ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

DATOS DE ENTRADA Y COMBINACIONES DE CARGA

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

Listado de datos de la obra

CONCRETO TARIMA MELGAR

1. NORMAS CONSIDERADAS

Hormigón: NSR-10

Aceros conformados: AISI S100-2016 (LRFD)

Aceros laminados y armados: ANSI/AISC 360-16 (LRFD)

Categoría de uso: General

2. ACCIONES CONSIDERADAS

2.1. Gravitatorias

Planta	S.C.U (kN/m²)	Cargas permanentes (kN/m²)
Losa 1	1.8	3.0
Fundación	0.0	0.0

2.2. Viento

Se ha tenido en cuenta la acción del viento mediante cargas aplicadas en las siguientes hipótesis: 'V 1' y 'V 2'.

2.4. Hipótesis de carga

Automáticas	Peso propio Cargas permanentes Sobrecarga de uso Sismo X Sismo Y	
Adicionales	Referencia	Naturaleza
	CM 1	Peso propio
	Q 1	Sobrecarga de uso
	V 1	Viento
	V 2	Viento

3. ESTADOS LÍMITE

E.L.U. de rotura. Hormigón E.L.U. de rotura. Hormigón en cimentaciones E.L.S. Fisuración. Hormigón en cimentaciones Tensiones sobre el terreno	NSR-10
E.L.U. de rotura. Acero conformado	AISI/NASPEC-2016 (LRFD) ASCE 7
Desplazamientos	Derivas

4. SITUACIONES DE PROYECTO

Para las distintas situaciones de proyecto, las combinaciones de acciones se definirán de acuerdo con los siguientes criterios:

- Situaciones persistentes o transitorias

- Situaciones sísmicas

- Donde:

G_k Acción permanente
P_k Acción de pretensado
Q_k Acción variable
A_E Acción sísmica
γ_G Coeficiente parcial de seguridad de las acciones permanentes
γ_P Coeficiente parcial de seguridad de la acción de pretensado
$\gamma_{Q,1}$ Coeficiente parcial de seguridad de la acción variable principal
$\gamma_{Q,i}$ Coeficiente parcial de seguridad de las acciones variables de acompañamiento
γ_{AE} Coeficiente parcial de seguridad de la acción sísmica

4.1. Coeficientes parciales de seguridad (γ) y coeficientes de combinación (ψ)

Para cada situación de proyecto y estado límite los coeficientes a utilizar serán:

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(C.9-1)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.400	1.400
Sobrecarga (Q)		
Viento (Q)		

(C.9-2 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

(C.9-2 S)	
	Coeficientes parciales de seguridad (γ)

	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

(C.9-3 Lr, L)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

(C.9-3 S, L)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

(C.9-3 Lr, W)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	0.000	0.500

(C.9-3 S, W)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	0.000	0.500

(C.9-4 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.000	1.000

(C.9-4 S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable

(C.9-4 S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.000	1.000

(C.9-5)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		
Sismo (E)	-1.000	1.000

Notas:

Las solicitaciones obtenidas de los resultados del análisis en cada una de las direcciones ortogonales se combinarán con el 30 % de los de la otra.

(C.9-6)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (Q)	0.000	1.000

(C.9-7)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (Q)		
Sismo (E)	-1.000	1.000

Notas:

Las solicitaciones obtenidas de los resultados del análisis en cada una de las direcciones ortogonales se combinarán con el 30 % de los de la otra.

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CC-2 (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

E.L.U. de rotura. Acero conformado: AISI S100-2016 (LRFD)

2.3.2 - [1] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.400	1.400
Sobrecarga (Q)		
Viento (Q)		

2.3.2 - [2 Lr] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

2.3.2 - [2 S] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

2.3.2 - [3 Lr, L] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

2.3.2 - [3 S, L] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

2.3.2 - [3 Lr, W] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		

2.3.2 - [3 Lr, W] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Viento (Q)	0.000	0.800

2.3.2 - [3 S, W] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	0.000	0.800

2.3.2 - [4 Lr] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.600	1.600

2.3.2 - [4 S] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.600	1.600

2.3.2 - [5] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		
Sismo (E)	-1.000	1.000

Notas:

Las solicitaciones obtenidas de los resultados del análisis en cada una de las direcciones ortogonales se combinarán con el 30 % de los de la otra.

2.3.2 - [6] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (Q)	0.000	1.600

2.3.2 - [7] (ASCE/SEI 7-05)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (Q)		
Sismo (E)	-1.000	1.000

Notas:

Las solicitaciones obtenidas de los resultados del análisis en cada una de las direcciones ortogonales se combinarán con el 30 % de los de la otra.

Tensiones sobre el terreno

B.2.3-1, B.2.3-2		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	1.000
Viento (Q)		

B.2.3-3 (Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)		
Viento (Q)		

B.2.3-3 (S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)		
Viento (Q)		

B.2.3-4 (Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	0.750
Viento (Q)		

B.2.3-4 (S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	0.750
Viento (Q)		

B.2.3-5, B.2.3-9		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.600	1.000
Sobrecarga (Q)		
Viento (Q)	1.000	1.000

B.2.3-6, B.2.3-10		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.600	1.000
Sobrecarga (Q)		
Viento (Q)		
Sismo (E)	-0.700	0.700

B.2.3-7 (Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	0.750
Viento (Q)	0.750	0.750

B.2.3-7 (S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	0.750
Viento (Q)	0.750	0.750

B.2.3-8 (Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	0.750
Viento (Q)		

B.2.3-8 (Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Sismo (E)	-0.525	0.525

B.2.3-8 (S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.000	1.000
Sobrecarga (Q)	0.000	0.750
Viento (Q)	0.750	0.750

Desplazamientos

(C.9-1)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.400	1.400
Sobrecarga (Q)		
Viento (Q)		

(C.9-2 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

(C.9-2 S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	1.600
Viento (Q)		

(C.9-3 Lr, L)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

(C.9-3 S, L)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

C.9-3 Lr, W)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	0.000	0.500

(C.9-3 S, W)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)		
Viento (Q)	0.000	0.500

(C.9-4 Lr)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.000	1.000

(C.9-4 S)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)	1.000	1.000

(C.9-5)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	1.200	1.200
Sobrecarga (Q)	0.000	0.500
Viento (Q)		

(C.9-5)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Sismo (E)	-1.000	1.000

(C.9-6)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (Q)	0.000	1.000

(C.9-7)		
	Coeficientes parciales de seguridad (γ)	
	Favorable	Desfavorable
Carga permanente (G)	0.900	0.900
Sobrecarga (Q)		
Viento (Q)		
Sismo (E)	-1.000	1.000

4.2. Combinaciones

- **Nombres de las hipótesis**

PP	Peso propio
CM	Cargas permanentes
CM 1	CM 1
Qa	Sobrecarga de uso
Q 1	Q 1
V 1	V 1
V 2	V 2
SX	Sismo X
SY	Sismo Y

- **E.L.U. de rotura. Hormigón**
- **E.L.U. de rotura. Hormigón en cimentaciones**

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
1	1.400	1.400	1.400						
2	1.200	1.200	1.200						
3	1.200	1.200	1.200	1.600					
4	1.200	1.200	1.200		1.600				
5	1.200	1.200	1.200	1.600	1.600				
6	1.200	1.200	1.200	0.500	0.500				

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
7	1.200	1.200	1.200			1.000			
8	1.200	1.200	1.200	0.500		1.000			
9	1.200	1.200	1.200		0.500	1.000			
10	1.200	1.200	1.200	0.500	0.500	1.000			
11	1.200	1.200	1.200				1.000		
12	1.200	1.200	1.200	0.500			1.000		
13	1.200	1.200	1.200		0.500		1.000		
14	1.200	1.200	1.200	0.500	0.500		1.000		
15	1.200	1.200	1.200					-0.300	-1.000
16	1.200	1.200	1.200	0.500				-0.300	-1.000
17	1.200	1.200	1.200		0.500			-0.300	-1.000
18	1.200	1.200	1.200	0.500	0.500			-0.300	-1.000
19	1.200	1.200	1.200					0.300	-1.000
20	1.200	1.200	1.200	0.500				0.300	-1.000
21	1.200	1.200	1.200		0.500			0.300	-1.000
22	1.200	1.200	1.200	0.500	0.500			0.300	-1.000
23	1.200	1.200	1.200					-1.000	-0.300
24	1.200	1.200	1.200	0.500				-1.000	-0.300
25	1.200	1.200	1.200		0.500			-1.000	-0.300
26	1.200	1.200	1.200	0.500	0.500			-1.000	-0.300
27	1.200	1.200	1.200					-1.000	0.300
28	1.200	1.200	1.200	0.500				-1.000	0.300
29	1.200	1.200	1.200		0.500			-1.000	0.300
30	1.200	1.200	1.200	0.500	0.500			-1.000	0.300
31	1.200	1.200	1.200					0.300	1.000
32	1.200	1.200	1.200	0.500				0.300	1.000
33	1.200	1.200	1.200		0.500			0.300	1.000
34	1.200	1.200	1.200	0.500	0.500			0.300	1.000
35	1.200	1.200	1.200					-0.300	1.000
36	1.200	1.200	1.200	0.500				-0.300	1.000
37	1.200	1.200	1.200		0.500			-0.300	1.000
38	1.200	1.200	1.200	0.500	0.500			-0.300	1.000
39	1.200	1.200	1.200					1.000	0.300
40	1.200	1.200	1.200	0.500				1.000	0.300
41	1.200	1.200	1.200		0.500			1.000	0.300
42	1.200	1.200	1.200	0.500	0.500			1.000	0.300
43	1.200	1.200	1.200					1.000	-0.300
44	1.200	1.200	1.200	0.500				1.000	-0.300
45	1.200	1.200	1.200		0.500			1.000	-0.300
46	1.200	1.200	1.200	0.500	0.500			1.000	-0.300
47	0.900	0.900	0.900						
48	0.900	0.900	0.900			1.000			
49	0.900	0.900	0.900				1.000		
50	0.900	0.900	0.900					-0.300	-1.000

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
51	0.900	0.900	0.900					0.300	-1.000
52	0.900	0.900	0.900					-1.000	-0.300
53	0.900	0.900	0.900					-1.000	0.300
54	0.900	0.900	0.900					0.300	1.000
55	0.900	0.900	0.900					-0.300	1.000
56	0.900	0.900	0.900					1.000	0.300
57	0.900	0.900	0.900					1.000	-0.300

- **E.L.S. Fisuración. Hormigón en cimentaciones**

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
1	1.000	1.000	1.000						
2	1.000	1.000	1.000	0.500					
3	1.000	1.000	1.000		0.500				
4	1.000	1.000	1.000	0.500	0.500				

- **E.L.U. de rotura. Acero conformado**

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
1	1.400	1.400	1.400						
2	1.200	1.200	1.200						
3	1.200	1.200	1.200	1.600					
4	1.200	1.200	1.200		1.600				
5	1.200	1.200	1.200	1.600	1.600				
6	1.200	1.200	1.200	0.500	0.500				
7	1.200	1.200	1.200			1.600			
8	1.200	1.200	1.200	0.500		1.600			
9	1.200	1.200	1.200		0.500	1.600			
10	1.200	1.200	1.200	0.500	0.500	1.600			
11	1.200	1.200	1.200				1.600		
12	1.200	1.200	1.200	0.500			1.600		
13	1.200	1.200	1.200		0.500		1.600		
14	1.200	1.200	1.200	0.500	0.500		1.600		
15	1.200	1.200	1.200					-0.300	-1.000
16	1.200	1.200	1.200	0.500				-0.300	-1.000
17	1.200	1.200	1.200		0.500			-0.300	-1.000
18	1.200	1.200	1.200	0.500	0.500			-0.300	-1.000
19	1.200	1.200	1.200					0.300	-1.000
20	1.200	1.200	1.200	0.500				0.300	-1.000
21	1.200	1.200	1.200		0.500			0.300	-1.000
22	1.200	1.200	1.200	0.500	0.500			0.300	-1.000
23	1.200	1.200	1.200					-1.000	-0.300

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
24	1.200	1.200	1.200	0.500				-1.000	-0.300
25	1.200	1.200	1.200		0.500			-1.000	-0.300
26	1.200	1.200	1.200	0.500	0.500			-1.000	-0.300
27	1.200	1.200	1.200					-1.000	0.300
28	1.200	1.200	1.200	0.500				-1.000	0.300
29	1.200	1.200	1.200		0.500			-1.000	0.300
30	1.200	1.200	1.200	0.500	0.500			-1.000	0.300
31	1.200	1.200	1.200					0.300	1.000
32	1.200	1.200	1.200	0.500				0.300	1.000
33	1.200	1.200	1.200		0.500			0.300	1.000
34	1.200	1.200	1.200	0.500	0.500			0.300	1.000
35	1.200	1.200	1.200					-0.300	1.000
36	1.200	1.200	1.200	0.500				-0.300	1.000
37	1.200	1.200	1.200		0.500			-0.300	1.000
38	1.200	1.200	1.200	0.500	0.500			-0.300	1.000
39	1.200	1.200	1.200					1.000	0.300
40	1.200	1.200	1.200	0.500				1.000	0.300
41	1.200	1.200	1.200		0.500			1.000	0.300
42	1.200	1.200	1.200	0.500	0.500			1.000	0.300
43	1.200	1.200	1.200					1.000	-0.300
44	1.200	1.200	1.200	0.500				1.000	-0.300
45	1.200	1.200	1.200		0.500			1.000	-0.300
46	1.200	1.200	1.200	0.500	0.500			1.000	-0.300
47	0.900	0.900	0.900						
48	0.900	0.900	0.900			1.600			
49	0.900	0.900	0.900				1.600		
50	0.900	0.900	0.900					-0.300	-1.000
51	0.900	0.900	0.900					0.300	-1.000
52	0.900	0.900	0.900					-1.000	-0.300
53	0.900	0.900	0.900					-1.000	0.300
54	0.900	0.900	0.900					0.300	1.000
55	0.900	0.900	0.900					-0.300	1.000
56	0.900	0.900	0.900					1.000	0.300
57	0.900	0.900	0.900					1.000	-0.300

■ **Tensiones sobre el terreno**

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
1	1.000	1.000	1.000						
2	1.000	1.000	1.000	1.000					
3	1.000	1.000	1.000		1.000				
4	1.000	1.000	1.000	1.000	1.000				
5	1.000	1.000	1.000	0.750	0.750				

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
6	0.600	0.600	0.600						
7	1.000	1.000	0.600						
8	0.600	0.600	1.000						
9	0.600	0.600	0.600			1.000			
10	1.000	1.000	0.600			1.000			
11	0.600	0.600	1.000			1.000			
12	1.000	1.000	1.000			1.000			
13	0.600	0.600	0.600				1.000		
14	1.000	1.000	0.600				1.000		
15	0.600	0.600	1.000				1.000		
16	1.000	1.000	1.000				1.000		
17	0.600	0.600	0.600					-0.700	
18	1.000	1.000	0.600					-0.700	
19	0.600	0.600	1.000					-0.700	
20	1.000	1.000	1.000					-0.700	
21	0.600	0.600	0.600					0.700	
22	1.000	1.000	0.600					0.700	
23	0.600	0.600	1.000					0.700	
24	1.000	1.000	1.000					0.700	
25	0.600	0.600	0.600						-0.700
26	1.000	1.000	0.600						-0.700
27	0.600	0.600	1.000						-0.700
28	1.000	1.000	1.000						-0.700
29	0.600	0.600	0.600						0.700
30	1.000	1.000	0.600						0.700
31	0.600	0.600	1.000						0.700
32	1.000	1.000	1.000						0.700
33	1.000	1.000	1.000	0.750		0.750			
34	1.000	1.000	1.000		0.750	0.750			
35	1.000	1.000	1.000	0.750	0.750	0.750			
36	1.000	1.000	1.000	0.750			0.750		
37	1.000	1.000	1.000		0.750		0.750		
38	1.000	1.000	1.000	0.750	0.750		0.750		
39	1.000	1.000	1.000	0.750				-0.525	
40	1.000	1.000	1.000		0.750			-0.525	
41	1.000	1.000	1.000	0.750	0.750			-0.525	
42	1.000	1.000	1.000	0.750				0.525	
43	1.000	1.000	1.000		0.750			0.525	
44	1.000	1.000	1.000	0.750	0.750			0.525	
45	1.000	1.000	1.000	0.750					-0.525
46	1.000	1.000	1.000		0.750				-0.525
47	1.000	1.000	1.000	0.750	0.750				-0.525
48	1.000	1.000	1.000	0.750					0.525

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
49	1.000	1.000	1.000		0.750				0.525
50	1.000	1.000	1.000	0.750	0.750				0.525
51	1.000	1.000	1.000			0.750		-0.525	
52	1.000	1.000	1.000	0.750		0.750		-0.525	
53	1.000	1.000	1.000		0.750	0.750		-0.525	
54	1.000	1.000	1.000	0.750	0.750	0.750		-0.525	
55	1.000	1.000	1.000				0.750	-0.525	
56	1.000	1.000	1.000	0.750			0.750	-0.525	
57	1.000	1.000	1.000		0.750		0.750	-0.525	
58	1.000	1.000	1.000	0.750	0.750		0.750	-0.525	
59	1.000	1.000	1.000			0.750		0.525	
60	1.000	1.000	1.000	0.750		0.750		0.525	
61	1.000	1.000	1.000		0.750	0.750		0.525	
62	1.000	1.000	1.000	0.750	0.750	0.750		0.525	
63	1.000	1.000	1.000				0.750	0.525	
64	1.000	1.000	1.000	0.750			0.750	0.525	
65	1.000	1.000	1.000		0.750		0.750	0.525	
66	1.000	1.000	1.000	0.750	0.750		0.750	0.525	
67	1.000	1.000	1.000			0.750			-0.525
68	1.000	1.000	1.000	0.750		0.750			-0.525
69	1.000	1.000	1.000		0.750	0.750			-0.525
70	1.000	1.000	1.000	0.750	0.750	0.750			-0.525
71	1.000	1.000	1.000				0.750		-0.525
72	1.000	1.000	1.000	0.750			0.750		-0.525
73	1.000	1.000	1.000		0.750		0.750		-0.525
74	1.000	1.000	1.000	0.750	0.750		0.750		-0.525
75	1.000	1.000	1.000			0.750			0.525
76	1.000	1.000	1.000	0.750		0.750			0.525
77	1.000	1.000	1.000		0.750	0.750			0.525
78	1.000	1.000	1.000	0.750	0.750	0.750			0.525
79	1.000	1.000	1.000				0.750		0.525
80	1.000	1.000	1.000	0.750			0.750		0.525
81	1.000	1.000	1.000		0.750		0.750		0.525
82	1.000	1.000	1.000	0.750	0.750		0.750		0.525

■ **Desplazamientos**

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
1	1.400	1.400	1.400						
2	1.200	1.200	1.200						
3	1.200	1.200	1.200	1.600					
4	1.200	1.200	1.200		1.600				
5	1.200	1.200	1.200	1.600	1.600				

Comb.	PP	CM	CM 1	Qa	Q 1	V 1	V 2	SX	SY
6	1.200	1.200	1.200	0.500	0.500				
7	1.200	1.200	1.200			1.000			
8	1.200	1.200	1.200	0.500		1.000			
9	1.200	1.200	1.200		0.500	1.000			
10	1.200	1.200	1.200	0.500	0.500	1.000			
11	1.200	1.200	1.200				1.000		
12	1.200	1.200	1.200	0.500			1.000		
13	1.200	1.200	1.200		0.500		1.000		
14	1.200	1.200	1.200	0.500	0.500		1.000		
15	1.200	1.200	1.200					-1.000	
16	1.200	1.200	1.200	0.500				-1.000	
17	1.200	1.200	1.200		0.500			-1.000	
18	1.200	1.200	1.200	0.500	0.500			-1.000	
19	1.200	1.200	1.200					1.000	
20	1.200	1.200	1.200	0.500				1.000	
21	1.200	1.200	1.200		0.500			1.000	
22	1.200	1.200	1.200	0.500	0.500			1.000	
23	1.200	1.200	1.200						-1.000
24	1.200	1.200	1.200	0.500					-1.000
25	1.200	1.200	1.200		0.500				-1.000
26	1.200	1.200	1.200	0.500	0.500				-1.000
27	1.200	1.200	1.200						1.000
28	1.200	1.200	1.200	0.500					1.000
29	1.200	1.200	1.200		0.500				1.000
30	1.200	1.200	1.200	0.500	0.500				1.000
31	0.900	0.900	0.900						
32	0.900	0.900	0.900			1.000			
33	0.900	0.900	0.900				1.000		
34	0.900	0.900	0.900					-1.000	
35	0.900	0.900	0.900					1.000	
36	0.900	0.900	0.900						-1.000
37	0.900	0.900	0.900						1.000

5. DATOS GEOMÉTRICOS DE GRUPOS Y PLANTAS

Grupo	Nombre del grupo	Planta	Nombre planta	Altura	Cota
1	Losa 1	1	Losa 1	1.40	0.20
0	Fundación				-1.20

6. DATOS GEOMÉTRICOS DE COLUMNAS, TABIQUES Y MUROS

6.1. Columnas

GI: grupo inicial

GF: grupo final

Ang: ángulo de la columna en grados sexagesimales

Datos de las columnas

Referencia	Coord(P.Fijo)	GI- GF	Vinculación exterior	Ang.	Punto fijo	Altura de apoyo
A-1	(-2.52,-11.55)	0-1	Con vinculación exterior	0.0	Centro	0.30
A-2	(-0.33,-11.55)	0-1	Con vinculación exterior	0.0	Centro	0.30
A-3	(9.67,-11.55)	0-1	Con vinculación exterior	0.0	Centro	0.30
A-4	(11.87,-11.55)	0-1	Con vinculación exterior	0.0	Centro	0.30
B-2	(-0.33, -6.39)	0-1	Con vinculación exterior	0.0	Centro	0.30
B-4	(9.67, -6.39)	0-1	Con vinculación exterior	0.0	Centro	0.30

7. DIMENSIONES, COEFICIENTES DE EMPOTRAMIENTO Y COEFICIENTES DE PANDEO PARA CADA PLANTA

Para todos las columnas						
Planta	Dimensiones (cm)	Coeficiente de empotramiento		Coeficiente de pandeo		Coeficiente de rigidez axil
		Cabeza	Pie	X	Y	
1	75x75	0.30	1.00	1.00	1.00	2.00

8. INTERACCIÓN TERRENO-ESTRUCTURA (ZAPATAS Y ENCEPADOS)

Referencias	Datos de cálculo
A-1	Zapata cuadrada Ancho zapata X: 150 cm Ancho zapata Y: 150 cm No se considera la interacción
A-2	Zapata cuadrada Ancho zapata X: 150 cm Ancho zapata Y: 150 cm No se considera la interacción
A-3	Zapata cuadrada Ancho zapata X: 150 cm Ancho zapata Y: 150 cm No se considera la interacción

Referencias	Datos de cálculo
A-4	Zapata cuadrada Ancho zapata X: 150 cm Ancho zapata Y: 150 cm No se considera la interacción
B-2	Zapata cuadrada Ancho zapata X: 150 cm Ancho zapata Y: 150 cm No se considera la interacción
B-4	Zapata cuadrada Ancho zapata X: 150 cm Ancho zapata Y: 150 cm No se considera la interacción

9. LOSAS Y ELEMENTOS DE FUNDACIÓN

9.1. Zapatas

-Tensión admisible en situaciones persistentes: 0.150 MPa

-Tensión admisible en situaciones accidentales: 0.200 MPa

10. MATERIALES UTILIZADOS

10.1. Hormigones

Elemento	Hormigón	f'_c (MPa)	Árido		E_c (MPa)
			Naturaleza	Tamaño máximo (mm)	
Todos	f'c=210	21	Origen metamórfico	15	21551

10.2. Aceros por elemento y posición

10.2.1. Aceros en barras

Elemento	Acero	f_{yk} (MPa)	γ_s
Todos	Grado 60 (Latinoamérica)	412	1.00

10.2.2. Aceros en perfiles

Tipo de acero para perfiles	Acero	Límite elástico (MPa)	Módulo de elasticidad (GPa)
Acero conformado	ASTM A 572 50 ksi	345	203
Acero laminado	ASTM A 572 50 ksi	345	200

ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

COMPROBACIÓN DE ELEMENTOS COLUMNAS

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

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1. NOTACIÓN

En las tablas de comprobación de pilares de acero no se muestran las comprobaciones con coeficiente de aprovechamiento inferior al 10%.

Disp.: Disposiciones relativas a las armaduras

Arm.: Armadura mínima y máxima

Q: Estado límite de agotamiento frente a cortante

N,M: Estado límite de agotamiento frente a solicitaciones normales

Disp. S.: Criterios de diseño por sismo

Cap.: Diseño por capacidad

2. COLUMNAS

2.1. A-1

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Losa 1 (-1.2 - 0.2 m)	70x70	Cabeza	Cumple	Cumple	35.3	14.8	Cumple	Cumple	35.3	G, S[3]	Q S.	-49.2	-19.1	76.4	71.6	-11.0	Cumple
										G, S[3]	N,M S.	-42.0	-53.1	65.7	61.3	-30.8	
		Pie	Cumple	Cumple	35.0	19.2	Cumple	Cumple	35.0	G, S[3]	Q S.	-34.1	-24.3	109.3	71.6	-11.0	Cumple
										G, S[3]	N,M S.	-26.8	-68.2	93.9	61.3	-32.7	
Fundación	70x70	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	19.2	N.P.[1]	Cumple	19.2	G, S[3]	N,M S.	-26.8	-68.2	93.9	61.3	-32.7	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 0.9·PP+0.9·CM+0.9·CM1-SX-0.3·SY

2.2. A-2

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Losa 1 (-1.2 - 0.2 m)	70x70	Cabeza	Cumple	Cumple	38.8	14.0	Cumple	Cumple	38.8	G, Q, S[3]	Q S.	32.5	13.6	-86.8	-86.5	13.7	Cumple
										G, S[4]	N,M S.	24.8	95.2	-9.5	-7.0	79.6	
		Pie	Cumple	Cumple	40.3	19.4	Cumple	Cumple	40.3	G, Q, S[3]	Q S.	52.7	20.0	-130.1	-86.5	13.7	Cumple
										G, S[5]	N,M S.	25.4	20.1	-127.2	-85.6	13.7	
Fundación	70x70	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	19.4	N.P.[1]	Cumple	19.4	G, S[5]	N,M S.	25.4	20.1	-127.2	-85.6	13.7	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+0.5·Q1+SX+0.3·SY
[4] 0.9·PP+0.9·CM+0.9·CM1-0.3·SX-SY
[5] 0.9·PP+0.9·CM+0.9·CM1+SX+0.3·SY

2.3. A-3

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Losa 1 (-1.2 - 0.2 m)	70x70	Cabeza	Cumple	Cumple	38.2	14.2	Cumple	Cumple	38.2	G, Q, S[3]	Q S.	34.2	13.1	86.7	85.5	9.9	Cumple
										G, S[4]	N,M S.	25.3	96.0	10.1	7.7	82.0	
		Pie	Cumple	Cumple	39.7	19.7	Cumple	Cumple	39.7	G, Q, S[3]	Q S.	54.4	17.7	129.5	85.5	9.9	Cumple
										G, S[4]	N,M S.	40.5	134.2	15.8	7.7	82.0	
Fundación	70x70	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	19.7	N.P.[1]	Cumple	19.7	G, S[4]	N,M S.	40.5	134.2	15.8	7.7	82.0	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 1.2·PP+1.2·CM+1.2·CM1+0.5·Q1-SX-0.3·SY
[4] 0.9·PP+0.9·CM+0.9·CM1-0.3·SX-SY

2.4. A-4

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Losa 1 (-1.2 - 0.2 m)	70x70	Cabeza	Cumple	Cumple	37.7	14.6	Cumple	Cumple	37.7	G, S[3]	Q S.	-49.7	-18.9	-75.7	-76.6	-9.4	Cumple
										G, S[3]	N,M S.	-42.3	-51.7	-65.3	-62.4	-32.4	
		Pie	Cumple	Cumple	37.3	19.3	Cumple	Cumple	37.3	G, S[3]	Q S.,N,M S.	-34.5	-23.4	-110.9	-76.6	-9.4	Cumple
Fundación	70x70	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	19.3	N.P.[1]	Cumple	19.3	G, S[3]	N,M S.	-34.5	-23.4	-110.9	-76.6	-9.4	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 0.9·PP+0.9·CM+0.9·CM1+SX+0.3·SY

2.5. B-2

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Losa 1 (-1.2 - 0.2 m)	70x70	Cabeza	Cumple	Cumple	34.8	15.0	Cumple	Cumple	34.8	G, S[3]	Q S.,N,M S.	-14.1	-92.9	-0.1	0.4	-76.0	Cumple
		Pie	Cumple	Cumple	34.3	19.9	Cumple	Cumple	34.3	G, S[3]	Q S.,N,M S.	1.0	-128.3	-0.5	0.4	-76.0	Cumple
Fundación	70x70	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	19.9	N.P.[1]	Cumple	19.9	G, S[3]	N,M S.	1.0	-128.3	-0.5	0.4	-76.0	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 0.9·PP+0.9·CM+0.9·CM1+0.3·SX+SY

2.6. B-4

Sección de hormigón																	
Tramo	Dimensión (cm)	Posición	Comprobaciones							Esfuerzos pésimos							Estado
			Disp.	Arm.	Q (%)	N,M (%)	Disp. S.	Cap.	Aprov. (%)	Naturaleza	Comp.	N (kN)	Mxx (kN·m)	Myy (kN·m)	Qx (kN)	Qy (kN)	
Losa 1 (-1.2 - 0.2 m)	70x70	Cabeza	Cumple	Cumple	36.5	15.2	Cumple	Cumple	36.5	G, S[3]	Q S.	-14.5	-94.0	1.0	2.2	-79.8	Cumple
										G, S[3]	N,M S.	-14.5	-94.1	0.8	0.2	-77.7	
		Pie	Cumple	Cumple	36.0	20.3	Cumple	Cumple	36.0	G, S[3]	Q S.,N,M S.	0.7	-131.2	2.6	2.2	-79.8	Cumple
Fundación	70x70	Arranque	N.P.[1]	N.P.[1]	N.P.[2]	20.3	N.P.[1]	Cumple	20.3	G, S[3]	N,M S.	0.7	-131.2	2.6	2.2	-79.8	Cumple

Notas:
[1] La comprobación no procede
[2] La comprobación no procede, ya que no hay esfuerzo cortante.
[3] 0.9·PP+0.9·CM+0.9·CM1+0.3·SX+SY

ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

VERIFICACIÓN ELEMENTOS CUBIERTA

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

1. DATOS DE OBRA

1.1. Normas consideradas

Acero conformado: AISI S100-2016 (LRFD)

Categoría de uso: General

2. ESTRUCTURA

2.1. Geometría

2.1.1. Barras

2.1.1.1. Materiales utilizados

Materiales utilizados							
Material		E (MPa)	ν	G (MPa)	f_y (MPa)	$\alpha_{,t}$ (m/m°C)	γ (kN/m³)
Tipo	Designación						
Acero conformado	A572 50ksi	203000.00	0.300	78076.92	345.00	0.000012	77.01

Notación:
E: Módulo de elasticidad
n: Módulo de poisson
G: Módulo de elasticidad transversal
f_y: Límite elástico
a_t: Coeficiente de dilatación
g: Peso específico

2.1.1.2. Resumen de cómputo

Resumen de cómputo													
Material		Serie	Perfil	Longitud			Volumen			Peso			
Tipo	Designación			Perfil (m)	Serie (m)	Material (m)	Perfil (m³)	Serie (m³)	Material (m³)	Perfil (kg)	Serie (kg)	Material (kg)
Acero conformado	A572 50ksi	Perfil estructural redondo	ESTRUC RED 3" x 4.0mm	379.721	849.328	923.366	0.405	0.809	0.872	3180.18	6347.20	6846.96
			ESTRUC RED 2 1/2" x 4.0mm	468.306			0.403			3159.84		
			ESTRUC RED 2" x 4.0mm	1.301			0.001			7.17		
		Perfil C Negro Grado 50	C 100x50x15x2.0mm, Doble en cajón soldado	74.038	74.038		0.064	0.064		499.76	499.76	

2.2. Cargas

2.2.1. Barras

Referencias:

'P1', 'P2':

- Cargas puntuales, uniformes, en faja y momentos puntuales: 'P1' es el valor de la carga. 'P2' no se utiliza.
- Cargas trapeciales: 'P1' es el valor de la carga en el punto donde comienza (L1) y 'P2' es el valor de la carga en el punto donde termina (L2).
- Cargas triangulares: 'P1' es el valor máximo de la carga. 'P2' no se utiliza.
- Incrementos de temperatura: 'P1' y 'P2' son los valores de la temperatura en las caras exteriores o paramentos de la pieza. La orientación de la variación del incremento de temperatura sobre la sección transversal dependerá de la dirección seleccionada.

'L1', 'L2':

- Cargas y momentos puntuales: 'L1' es la distancia entre el nudo inicial de la barra y la posición donde se aplica la carga. 'L2' no se utiliza.

- Cargas trapeciales, en faja, y triangulares: 'L1' es la distancia entre el nudo inicial de la barra y la posición donde comienza la carga, 'L2' es la distancia entre el nudo inicial de la barra y la posición donde termina la carga.

Unidades:

- Cargas puntuales: kN
- Momentos puntuales: kN·m.
- Cargas uniformes, en faja, triangulares y trapeciales: kN/m.
- Incrementos de temperatura: °C.

Cargas en barras

Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N1/N2	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N2/N3	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N3/N4	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N4/N5	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N5/N6	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N6/N7	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N7/N8	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N8/N9	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N9/N10	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N10/N11	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N11/N12	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N12/N13	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N13/N14	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N13/N14	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N14/N15	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N14/N15	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N15/N16	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N15/N16	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N16/N17	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N17/N18	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N17/N18	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N18/N19	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N18/N19	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N19/N20	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N19/N20	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N20/N21	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N20/N21	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N21/N22	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N21/N22	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N22/N23	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N22/N23	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N23/N24	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N23/N24	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N24/N25	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N24/N25	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N25/N26	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N25/N26	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N26/N27	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N26/N27	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N27/N28	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N27/N28	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N28/N29	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N28/N29	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N29/N30	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N29/N30	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N30/N31	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N30/N31	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N31/N32	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N31/N32	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N32/N33	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N32/N33	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N33/N34	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N34/N35	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N34/N35	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N35/N36	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N35/N36	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N36/N37	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N36/N37	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N37/N38	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N39/N40	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N40/N41	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N41/N42	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N42/N43	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N43/N44	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N44/N45	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N45/N46	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N46/N47	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N47/N48	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N48/N49	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N49/N38	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N50/N51	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N51/N52	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N52/N53	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N53/N54	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N54/N55	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N55/N56	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N56/N57	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N57/N58	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N58/N59	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N59/N60	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N60/N37	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N11/N61	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N61/N62	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N61/N62	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N62/N63	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N62/N63	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N63/N64	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N63/N64	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N64/N65	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N65/N66	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N65/N66	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N66/N67	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N66/N67	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N67/N68	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N67/N68	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N68/N69	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N68/N69	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N69/N70	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N69/N70	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N70/N71	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N70/N71	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N71/N72	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N71/N72	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N72/N73	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N72/N73	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N73/N74	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N73/N74	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N74/N75	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N74/N75	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N75/N76	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N75/N76	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N76/N77	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N76/N77	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N77/N78	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N77/N78	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N78/N79	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N78/N79	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N79/N80	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N79/N80	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N80/N81	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N80/N81	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N81/N82	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N82/N83	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N82/N83	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N83/N84	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N83/N84	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N84/N60	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N84/N60	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N60/N49	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N85/N86	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N86/N87	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N87/N88	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N88/N89	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N89/N90	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N90/N91	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N91/N92	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N92/N93	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N93/N94	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N94/N61	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N61/N13	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N95/N96	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N96/N97	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N97/N98	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N98/N99	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N99/N100	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N100/N101	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N101/N102	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N102/N103	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N103/N104	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N104/N64	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N64/N16	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N105/N106	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N106/N107	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N107/N108	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N108/N109	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N109/N110	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N110/N111	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N111/N112	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N112/N113	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N113/N114	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N114/N65	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N65/N17	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N115/N116	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N116/N117	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N117/N118	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N118/N119	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N119/N120	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N120/N121	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N121/N122	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N122/N123	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N123/N124	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N124/N82	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N82/N34	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N125/N126	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N126/N127	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N127/N128	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N128/N129	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N129/N130	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N130/N131	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N131/N132	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N132/N133	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N133/N134	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N134/N81	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N81/N33	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N16/N135	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N135/N136	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N136/N137	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N137/N138	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N138/N139	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N139/N140	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N140/N141	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N141/N142	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N142/N143	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N143/N144	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N144/N145	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N146/N147	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N147/N148	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N148/N149	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N149/N150	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N150/N151	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N151/N152	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N152/N153	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N153/N154	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N154/N155	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N155/N145	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N33/N156	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N156/N157	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N157/N158	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N158/N159	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N159/N160	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N160/N161	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N161/N162	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N162/N163	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N163/N164	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N17/N165	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N165/N166	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N166/N167	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N167/N168	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N168/N169	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N169/N170	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N170/N171	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N171/N172	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N172/N164	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N2/N87	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N3/N87	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N87/N4	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N4/N89	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N89/N6	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N6/N91	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N91/N8	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N8/N93	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N93/N10	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N10/N61	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N61/N12	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N4/N88	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N5/N89	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N6/N90	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N7/N91	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N8/N92	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N9/N93	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N10/N94	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N2/N86	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N96/N107	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N97/N107	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N107/N98	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N98/N109	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N109/N100	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N100/N111	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N111/N102	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N102/N113	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N113/N104	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N104/N65	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N98/N108	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N99/N109	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N100/N110	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N101/N111	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N102/N112	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N103/N113	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N104/N114	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N96/N106	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N126/N116	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N116/N127	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N127/N118	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N118/N129	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N129/N120	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N120/N131	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N131/N122	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N122/N133	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N133/N124	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N124/N81	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N81/N34	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N34/N146	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N51/N40	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N40/N52	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N52/N42	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N42/N54	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N54/N44	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N44/N56	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N56/N46	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N46/N58	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N58/N48	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N48/N60	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N60/N38	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N52/N41	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N127/N117	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N128/N118	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N53/N42	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N54/N43	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N129/N119	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N130/N120	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N55/N44	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N131/N121	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N56/N45	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N57/N46	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N132/N122	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N133/N123	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N134/N124	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N59/N48	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N58/N47	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N61/N14	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N63/N14	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N63/N16	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N66/N17	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N66/N19	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N166/N137	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N166/N139	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N62/N14	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N63/N15	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N65/N16	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N17/N135	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N17/N136	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N165/N137	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N17/N137	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N168/N139	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N168/N141	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N170/N141	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N170/N143	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N172/N143	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N172/N145	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N163/N145	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N163/N154	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N161/N154	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N161/N152	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N159/N152	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N159/N150	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N157/N150	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N157/N148	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N33/N148	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N33/N146	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N68/N19	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N68/N21	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N70/N21	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N70/N23	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N72/N23	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N72/N25	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N74/N25	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N74/N27	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N76/N27	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N76/N29	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N78/N29	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N78/N31	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N80/N31	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N80/N33	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N83/N34	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N83/N36	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N60/N36	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N66/N18	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N67/N19	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N68/N20	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N69/N21	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N70/N22	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N71/N23	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N72/N24	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N73/N25	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N74/N26	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N75/N27	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N76/N28	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N77/N29	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N78/N30	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N79/N31	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N80/N32	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N83/N35	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N84/N36	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N166/N138	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N167/N139	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N168/N140	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N169/N141	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N170/N142	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N171/N143	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N172/N144	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N164/N145	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N163/N155	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N162/N154	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N161/N153	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N160/N152	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N159/N151	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N157/N149	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N156/N148	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N33/N147	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N173/N174	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N174/N175	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N175/N176	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N176/N177	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N177/N178	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N178/N179	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N179/N180	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N180/N181	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N181/N182	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N182/N183	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N183/N184	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N184/N185	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N185/N186	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N185/N186	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N186/N187	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N186/N187	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N187/N188	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N187/N188	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N188/N189	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N189/N190	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N189/N190	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N190/N191	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N190/N191	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N191/N192	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N191/N192	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N192/N193	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N192/N193	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N193/N194	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N193/N194	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N194/N195	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N194/N195	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N195/N196	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N195/N196	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N196/N197	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N196/N197	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N197/N198	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N197/N198	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N198/N199	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N198/N199	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N199/N200	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N199/N200	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N200/N201	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N200/N201	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N201/N202	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N201/N202	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N202/N203	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N202/N203	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N203/N204	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N203/N204	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N204/N205	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N204/N205	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N205/N206	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N206/N207	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N206/N207	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N207/N208	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N207/N208	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N208/N209	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N208/N209	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N209/N210	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N211/N212	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N212/N213	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N213/N214	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N214/N215	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N215/N216	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N216/N217	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N217/N218	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N218/N219	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N219/N220	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N220/N221	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N221/N210	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N222/N223	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N223/N224	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N224/N225	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N225/N226	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N226/N227	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N227/N228	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N228/N229	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N229/N230	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N230/N231	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N231/N232	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N232/N209	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N183/N233	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N233/N234	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N233/N234	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N234/N235	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N234/N235	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N235/N236	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N235/N236	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N236/N237	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N237/N238	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N237/N238	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N238/N239	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N238/N239	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N239/N240	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N239/N240	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N240/N241	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N241/N242	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N242/N243	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N242/N243	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N243/N244	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N243/N244	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N244/N245	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N244/N245	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N245/N246	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N245/N246	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N246/N247	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N246/N247	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N247/N248	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N247/N248	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N248/N249	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N248/N249	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N249/N250	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N249/N250	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N250/N251	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N250/N251	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N251/N252	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N251/N252	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N252/N253	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N252/N253	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N253/N254	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N254/N255	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N254/N255	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N255/N256	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N255/N256	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N256/N232	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N256/N232	CM 1	Uniforme	1.600	-	-	-	Globales	0.000	0.000	-1.000
N232/N221	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N257/N258	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N258/N259	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N259/N260	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N260/N261	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N261/N262	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N262/N263	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N263/N264	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N264/N265	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N265/N266	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N266/N233	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N233/N185	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N267/N268	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N268/N269	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N269/N270	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N270/N271	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N271/N272	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N272/N273	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N273/N274	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N274/N275	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N275/N276	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N276/N236	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N236/N188	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N277/N278	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N278/N279	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N279/N280	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N280/N281	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N281/N282	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N282/N283	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N283/N284	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N284/N285	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N285/N286	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N286/N237	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N237/N189	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N287/N288	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N288/N289	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N289/N290	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N290/N291	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N291/N292	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N292/N293	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N293/N294	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N294/N295	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N295/N296	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N296/N254	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N254/N206	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N297/N298	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N298/N299	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N299/N300	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N300/N301	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N301/N302	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N302/N303	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N303/N304	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N304/N305	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N305/N306	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N306/N253	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N253/N205	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N188/N307	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N307/N308	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N308/N309	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N309/N310	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N310/N311	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N311/N312	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N312/N313	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N313/N314	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N314/N315	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N315/N316	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N316/N317	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N318/N319	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N319/N320	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N320/N321	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N321/N322	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N322/N323	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N323/N324	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N324/N325	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N325/N326	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N326/N327	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N327/N317	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N205/N328	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N328/N329	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N329/N330	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N330/N331	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N331/N332	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N332/N333	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N333/N334	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N334/N335	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N335/N336	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N189/N337	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N337/N338	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N338/N339	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N339/N340	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N340/N341	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N341/N342	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N342/N343	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N343/N344	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N344/N336	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N174/N259	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N175/N259	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N259/N176	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N176/N261	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N261/N178	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N178/N263	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N263/N180	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N180/N265	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N265/N182	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N182/N233	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N233/N184	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N176/N260	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N177/N261	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N178/N262	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N179/N263	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N180/N264	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N181/N265	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N182/N266	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N174/N258	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N268/N279	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N269/N279	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N279/N270	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N270/N281	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N281/N272	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N272/N283	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N283/N274	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N274/N285	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N285/N276	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N276/N237	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N270/N280	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N271/N281	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N272/N282	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N273/N283	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N274/N284	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N275/N285	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N276/N286	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N268/N278	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N298/N288	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N288/N299	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N299/N290	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N290/N301	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N301/N292	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N292/N303	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N303/N294	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N294/N305	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N305/N296	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N296/N253	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N253/N206	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N206/N318	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N223/N212	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N212/N224	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N224/N214	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N214/N226	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N226/N216	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N216/N228	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N228/N218	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N218/N230	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N230/N220	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N220/N232	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N232/N210	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N224/N213	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N299/N289	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N300/N290	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N225/N214	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N226/N215	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N301/N291	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N302/N292	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N227/N216	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N303/N293	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N228/N217	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N229/N218	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N304/N294	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N305/N295	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N306/N296	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N231/N220	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N230/N219	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N233/N186	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N235/N186	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N235/N188	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N238/N189	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N238/N191	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N338/N309	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N338/N311	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N234/N186	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N235/N187	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N237/N188	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N189/N307	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N189/N308	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N337/N309	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N189/N309	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N340/N311	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N340/N313	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N342/N313	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N342/N315	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N344/N315	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N344/N317	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N335/N317	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N335/N326	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N333/N326	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N333/N324	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N331/N324	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N331/N322	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N329/N322	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N329/N320	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N205/N320	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N205/N318	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N240/N191	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N240/N193	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N242/N193	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N242/N195	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N244/N195	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N244/N197	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N246/N197	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N246/N199	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N248/N199	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N248/N201	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N250/N201	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N250/N203	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N252/N203	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N252/N205	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N255/N206	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N255/N208	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N232/N208	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N238/N190	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N239/N191	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N240/N192	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N241/N193	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N242/N194	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N243/N195	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N244/N196	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N245/N197	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N246/N198	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N247/N199	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N248/N200	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N249/N201	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N250/N202	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N251/N203	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N252/N204	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N255/N207	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N256/N208	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N338/N310	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N339/N311	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N340/N312	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N341/N313	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N342/N314	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N343/N315	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N344/N316	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N336/N317	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N335/N327	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N334/N326	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N333/N325	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N332/N324	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N331/N323	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N329/N321	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N328/N320	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N205/N319	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N12/N184	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N51/N223	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N40/N212	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N41/N213	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N52/N224	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N42/N214	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N53/N225	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N43/N215	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N54/N226	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N44/N216	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N55/N227	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N45/N217	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N56/N228	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N46/N218	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N57/N229	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N47/N219	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N58/N230	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N48/N220	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N59/N231	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N49/N221	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N116/N288	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N126/N298	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N117/N289	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N127/N299	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N118/N290	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N128/N300	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N119/N291	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N129/N301	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N120/N292	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N130/N302	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N121/N293	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N131/N303	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N122/N294	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N132/N304	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N123/N295	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N133/N305	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N124/N296	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N134/N306	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N106/N278	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N96/N268	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N107/N279	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N97/N269	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N108/N280	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N98/N270	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N109/N281	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N99/N271	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N110/N282	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N100/N272	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N111/N283	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N101/N273	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N102/N274	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N112/N284	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N103/N275	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N113/N285	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N104/N276	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N114/N286	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N10/N182	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N94/N266	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N9/N181	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N93/N265	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N8/N180	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N92/N264	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N7/N179	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N91/N263	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N6/N178	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N90/N262	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N5/N177	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N89/N261	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N4/N176	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N88/N260	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N3/N175	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N87/N259	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N2/N174	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N86/N258	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N13/N185	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N14/N186	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N15/N187	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N23/N195	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N22/N194	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N21/N193	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N24/N196	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N20/N192	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N19/N191	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N18/N190	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N63/N235	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N62/N234	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N61/N233	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N11/N183	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N66/N238	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N67/N239	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N68/N240	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N69/N241	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N70/N242	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N71/N243	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N72/N244	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N73/N245	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N74/N246	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N75/N247	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N76/N248	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N77/N249	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N78/N250	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N79/N251	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N80/N252	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N83/N255	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N84/N256	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N60/N232	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N38/N210	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N37/N209	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N36/N208	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N35/N207	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N32/N204	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N31/N203	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N30/N202	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N29/N201	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N28/N200	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N27/N199	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N26/N198	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N25/N197	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N135/N307	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N135/N307	CM 1	Uniforme	0.020	-	-	-	Globales	0.000	0.000	-1.000
N135/N307	Q 1	Uniforme	0.057	-	-	-	Globales	0.000	0.000	-1.000
N135/N307	V 1	Uniforme	0.081	-	-	-	Globales	-0.204	-0.000	0.979
N135/N307	V 2	Uniforme	0.081	-	-	-	Globales	0.204	0.000	-0.979
N136/N308	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N136/N308	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N136/N308	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N136/N308	V 1	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	0.979
N136/N308	V 2	Uniforme	0.219	-	-	-	Globales	0.204	0.000	-0.979
N137/N309	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N137/N309	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N137/N309	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N137/N309	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N137/N309	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N138/N310	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N138/N310	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N138/N310	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N138/N310	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N138/N310	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N139/N311	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N139/N311	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N139/N311	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N139/N311	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N139/N311	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N140/N312	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N140/N312	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N140/N312	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N140/N312	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N140/N312	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N141/N313	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N141/N313	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N141/N313	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N141/N313	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N141/N313	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N142/N314	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N142/N314	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N142/N314	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N142/N314	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N142/N314	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N143/N315	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N143/N315	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N143/N315	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N143/N315	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N143/N315	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N144/N316	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N144/N316	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N144/N316	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N144/N316	V 1	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	0.979
N144/N316	V 2	Uniforme	0.284	-	-	-	Globales	0.204	0.000	-0.979
N145/N317	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N145/N317	CM 1	Uniforme	0.035	-	-	-	Globales	0.000	0.000	-1.000
N145/N317	CM 1	Uniforme	0.035	-	-	-	Globales	0.000	0.000	-1.000
N145/N317	Q 1	Uniforme	0.102	-	-	-	Globales	0.000	0.000	-1.000
N145/N317	Q 1	Uniforme	0.102	-	-	-	Globales	0.000	0.000	-1.000
N145/N317	V 1	Uniforme	0.146	-	-	-	Globales	0.204	0.000	0.979
N145/N317	V 1	Uniforme	0.146	-	-	-	Globales	-0.204	-0.000	0.979
N145/N317	V 2	Uniforme	0.146	-	-	-	Globales	-0.204	-0.000	-0.979
N145/N317	V 2	Uniforme	0.146	-	-	-	Globales	0.204	0.000	-0.979
N155/N327	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N155/N327	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N155/N327	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N155/N327	V 1	Uniforme	0.284	-	-	-	Globales	0.204	0.000	0.979
N155/N327	V 2	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	-0.979
N154/N326	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N154/N326	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N154/N326	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N154/N326	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N154/N326	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N153/N325	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N153/N325	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N153/N325	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N153/N325	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N153/N325	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N152/N324	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N152/N324	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N152/N324	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N152/N324	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N152/N324	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N151/N323	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N151/N323	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N151/N323	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N151/N323	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N151/N323	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N150/N322	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N150/N322	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N150/N322	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N150/N322	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N150/N322	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N149/N321	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N149/N321	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N149/N321	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N149/N321	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N149/N321	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N148/N320	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N148/N320	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N148/N320	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N148/N320	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N148/N320	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N147/N319	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N147/N319	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N147/N319	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N147/N319	V 1	Uniforme	0.219	-	-	-	Globales	0.204	0.000	0.979
N147/N319	V 2	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	-0.979
N146/N318	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N146/N318	CM 1	Uniforme	0.020	-	-	-	Globales	0.000	0.000	-1.000
N146/N318	Q 1	Uniforme	0.057	-	-	-	Globales	0.000	0.000	-1.000
N146/N318	V 1	Uniforme	0.081	-	-	-	Globales	0.204	0.000	0.979
N146/N318	V 2	Uniforme	0.081	-	-	-	Globales	-0.204	-0.000	-0.979
N164/N336	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N163/N335	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N162/N334	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N160/N332	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N159/N331	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N158/N330	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N157/N329	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N156/N328	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N172/N344	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N171/N343	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N170/N342	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N169/N341	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N168/N340	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N167/N339	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N166/N338	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N165/N337	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N161/N333	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N158/N150	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N330/N322	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N383/N384	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N384/N385	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N385/N386	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N386/N387	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N387/N388	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N388/N389	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N389/N390	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N390/N391	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N391/N392	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N392/N364	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N364/N345	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N393/N394	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N394/N395	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N395/N396	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N396/N397	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N397/N398	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N398/N399	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N399/N400	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N400/N401	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N401/N402	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N402/N365	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N365/N346	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N403/N404	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N404/N405	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N405/N406	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N406/N407	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N407/N408	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N408/N409	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N409/N410	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N410/N411	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N411/N412	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N412/N382	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N382/N363	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N413/N414	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N414/N415	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N415/N416	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N416/N417	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N417/N418	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N418/N419	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N419/N420	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N420/N421	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N421/N422	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N422/N381	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N381/N362	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N345/N423	Peso propio	Uniforme	0.054	-	-	-	Globales	0.000	0.000	-1.000
N423/N424	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N424/N425	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N425/N426	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N426/N427	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N427/N428	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N428/N429	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N429/N430	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N430/N431	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N431/N432	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N432/N433	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N434/N435	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N435/N436	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N436/N437	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N437/N438	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N438/N439	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N439/N440	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N440/N441	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N441/N442	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N442/N443	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N443/N433	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N362/N444	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N444/N445	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N445/N446	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N446/N447	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N447/N448	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N448/N449	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N449/N450	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N450/N451	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N451/N452	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N346/N453	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N453/N454	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N454/N455	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N455/N456	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N456/N457	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N457/N458	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N458/N459	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N459/N460	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N460/N452	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N384/N395	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N385/N395	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N395/N386	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N386/N397	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N397/N388	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N388/N399	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N399/N390	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N390/N401	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N401/N392	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N392/N365	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N386/N396	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N387/N397	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N388/N398	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N389/N399	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N390/N400	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N391/N401	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N392/N402	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N384/N394	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N414/N404	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N404/N415	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N415/N406	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N406/N417	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N417/N408	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N408/N419	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N419/N410	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N410/N421	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N421/N412	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N412/N381	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N381/N363	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N363/N434	Peso propio	Uniforme	0.054	-	-	-	Globales	0.000	0.000	-1.000
N415/N405	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N416/N406	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N417/N407	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N418/N408	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N419/N409	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N420/N410	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N421/N411	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N422/N412	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N366/N346	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N366/N348	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N454/N425	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N454/N427	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N365/N345	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N346/N423	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N346/N424	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N453/N425	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N346/N425	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N456/N427	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N456/N429	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N458/N429	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N458/N431	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N460/N431	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N460/N433	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N451/N433	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N451/N442	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N449/N442	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N449/N440	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N447/N440	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N447/N438	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N445/N438	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N445/N436	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N362/N436	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N362/N434	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N368/N348	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N368/N350	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N370/N350	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N370/N352	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N372/N352	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N372/N354	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N374/N354	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N374/N356	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N376/N356	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N376/N358	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N378/N358	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N378/N360	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N380/N360	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N380/N362	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N366/N347	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N367/N348	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N368/N349	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N369/N350	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N370/N351	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N371/N352	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N372/N353	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N373/N354	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N374/N355	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N375/N356	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N376/N357	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N377/N358	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N378/N359	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N379/N360	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N380/N361	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N454/N426	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N455/N427	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N456/N428	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N457/N429	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N458/N430	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N459/N431	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N460/N432	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N452/N433	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N451/N443	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N450/N442	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N449/N441	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N448/N440	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N447/N439	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N445/N437	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N444/N436	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N362/N435	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N499/N500	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N500/N501	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N501/N502	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N502/N503	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N503/N504	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N504/N505	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N505/N506	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N506/N507	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N507/N508	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N508/N480	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N480/N461	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N509/N510	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N510/N511	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N511/N512	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N512/N513	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N513/N514	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N514/N515	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N515/N516	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N516/N517	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N517/N518	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N518/N481	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N481/N462	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N519/N520	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N520/N521	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N521/N522	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N522/N523	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N523/N524	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N524/N525	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N525/N526	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N526/N527	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N527/N528	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N528/N498	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N498/N479	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N529/N530	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N530/N531	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N531/N532	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N532/N533	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N533/N534	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N534/N535	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N535/N536	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N536/N537	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N537/N538	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N538/N497	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N497/N478	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N461/N539	Peso propio	Uniforme	0.054	-	-	-	Globales	0.000	0.000	-1.000
N539/N540	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N540/N541	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N541/N542	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N542/N543	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N543/N544	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N544/N545	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N545/N546	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N546/N547	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N547/N548	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N548/N549	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N550/N551	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N551/N552	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N552/N553	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N553/N554	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N554/N555	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N555/N556	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N556/N557	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N557/N558	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N558/N559	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N559/N549	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N478/N560	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N560/N561	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N561/N562	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N562/N563	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N563/N564	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N564/N565	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N565/N566	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N566/N567	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N567/N568	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N462/N569	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N569/N570	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N570/N571	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N571/N572	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N572/N573	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N573/N574	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N574/N575	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N575/N576	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N576/N568	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N500/N511	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N501/N511	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N511/N502	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N502/N513	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N513/N504	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N504/N515	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N515/N506	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N506/N517	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N517/N508	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N508/N481	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N502/N512	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N503/N513	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N504/N514	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N505/N515	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N506/N516	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N507/N517	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N508/N518	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N500/N510	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N530/N520	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N520/N531	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N531/N522	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N522/N533	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N533/N524	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N524/N535	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N535/N526	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N526/N537	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N537/N528	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N528/N497	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N497/N479	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N479/N550	Peso propio	Uniforme	0.054	-	-	-	Globales	0.000	0.000	-1.000
N531/N521	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N532/N522	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N533/N523	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N534/N524	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N535/N525	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N536/N526	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N537/N527	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N538/N528	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N482/N462	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N482/N464	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N570/N541	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N570/N543	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N481/N461	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N462/N539	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N462/N540	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N569/N541	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N462/N541	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N572/N543	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N572/N545	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N574/N545	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N574/N547	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N576/N547	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N576/N549	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N567/N549	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N567/N558	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N565/N558	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N565/N556	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N563/N556	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N563/N554	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N561/N554	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N561/N552	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N478/N552	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N478/N550	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N484/N464	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N484/N466	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N486/N466	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N486/N468	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N488/N468	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N488/N470	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N490/N470	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N490/N472	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N492/N472	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N492/N474	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N494/N474	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N494/N476	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N496/N476	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N496/N478	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N482/N463	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N483/N464	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N484/N465	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N485/N466	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N486/N467	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N487/N468	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N488/N469	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N489/N470	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N490/N471	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N491/N472	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N492/N473	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N493/N474	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N494/N475	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N495/N476	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N496/N477	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N570/N542	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N571/N543	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N572/N544	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N573/N545	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N574/N546	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N575/N547	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N576/N548	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N568/N549	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N567/N559	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N566/N558	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N565/N557	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N564/N556	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N563/N555	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N561/N553	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N560/N552	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N478/N551	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N404/N520	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N414/N530	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N405/N521	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N415/N531	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N406/N522	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N416/N532	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N407/N523	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N417/N533	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N408/N524	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N418/N534	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N409/N525	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N419/N535	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N410/N526	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N420/N536	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N411/N527	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N421/N537	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N412/N528	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N422/N538	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N394/N510	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N384/N500	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N395/N511	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N385/N501	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N396/N512	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N386/N502	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N397/N513	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N387/N503	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N398/N514	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N388/N504	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N399/N515	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N389/N505	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N390/N506	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N400/N516	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N391/N507	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N401/N517	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N392/N508	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N402/N518	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N352/N468	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N351/N467	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N350/N466	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N353/N469	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N349/N465	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N348/N464	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N347/N463	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N366/N482	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N367/N483	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N368/N484	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N369/N485	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N370/N486	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N371/N487	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N372/N488	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N373/N489	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N374/N490	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N375/N491	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N376/N492	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N377/N493	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N378/N494	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N379/N495	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N380/N496	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N361/N477	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N360/N476	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N359/N475	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N358/N474	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N357/N473	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N356/N472	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N355/N471	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N354/N470	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N423/N539	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N423/N539	CM 1	Uniforme	0.020	-	-	-	Globales	0.000	0.000	-1.000
N423/N539	Q 1	Uniforme	0.057	-	-	-	Globales	0.000	0.000	-1.000
N423/N539	V 1	Uniforme	0.081	-	-	-	Globales	-0.204	-0.000	0.979
N423/N539	V 2	Uniforme	0.081	-	-	-	Globales	0.204	0.000	-0.979
N424/N540	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N424/N540	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N424/N540	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N424/N540	V 1	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	0.979
N424/N540	V 2	Uniforme	0.219	-	-	-	Globales	0.204	0.000	-0.979
N425/N541	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N425/N541	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N425/N541	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N425/N541	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N425/N541	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N426/N542	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N426/N542	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N426/N542	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N426/N542	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N426/N542	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N427/N543	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N427/N543	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N427/N543	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N427/N543	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N427/N543	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N428/N544	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N428/N544	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N428/N544	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N428/N544	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N428/N544	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N429/N545	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N429/N545	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N429/N545	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N429/N545	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N429/N545	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N430/N546	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N430/N546	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N430/N546	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N430/N546	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N430/N546	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N431/N547	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N431/N547	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N431/N547	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N431/N547	V 1	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	0.979
N431/N547	V 2	Uniforme	0.275	-	-	-	Globales	0.204	0.000	-0.979
N432/N548	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N432/N548	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N432/N548	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N432/N548	V 1	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	0.979
N432/N548	V 2	Uniforme	0.284	-	-	-	Globales	0.204	0.000	-0.979
N433/N549	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N433/N549	CM 1	Uniforme	0.035	-	-	-	Globales	0.000	0.000	-1.000
N433/N549	CM 1	Uniforme	0.035	-	-	-	Globales	0.000	0.000	-1.000
N433/N549	Q 1	Uniforme	0.102	-	-	-	Globales	0.000	0.000	-1.000
N433/N549	Q 1	Uniforme	0.102	-	-	-	Globales	0.000	0.000	-1.000
N433/N549	V 1	Uniforme	0.146	-	-	-	Globales	0.204	0.000	0.979
N433/N549	V 1	Uniforme	0.146	-	-	-	Globales	-0.204	-0.000	0.979
N433/N549	V 2	Uniforme	0.146	-	-	-	Globales	-0.204	-0.000	-0.979

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N433/N549	V 2	Uniforme	0.146	-	-	-	Globales	0.204	0.000	-0.979
N443/N559	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N443/N559	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N443/N559	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N443/N559	V 1	Uniforme	0.284	-	-	-	Globales	0.204	0.000	0.979
N443/N559	V 2	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	-0.979
N442/N558	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N442/N558	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N442/N558	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N442/N558	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N442/N558	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N441/N557	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N441/N557	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N441/N557	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N441/N557	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N441/N557	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N440/N556	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N440/N556	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N440/N556	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N440/N556	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N440/N556	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N439/N555	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N439/N555	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N439/N555	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N439/N555	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N439/N555	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N438/N554	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N438/N554	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N438/N554	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N438/N554	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N438/N554	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N437/N553	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N437/N553	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N437/N553	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N437/N553	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N437/N553	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979
N436/N552	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N436/N552	CM 1	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N436/N552	Q 1	Uniforme	0.192	-	-	-	Globales	0.000	0.000	-1.000
N436/N552	V 1	Uniforme	0.275	-	-	-	Globales	0.204	0.000	0.979
N436/N552	V 2	Uniforme	0.275	-	-	-	Globales	-0.204	-0.000	-0.979

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N435/N551	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N435/N551	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N435/N551	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N435/N551	V 1	Uniforme	0.219	-	-	-	Globales	0.204	0.000	0.979
N435/N551	V 2	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	-0.979
N434/N550	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N434/N550	CM 1	Uniforme	0.020	-	-	-	Globales	0.000	0.000	-1.000
N434/N550	Q 1	Uniforme	0.057	-	-	-	Globales	0.000	0.000	-1.000
N434/N550	V 1	Uniforme	0.081	-	-	-	Globales	0.204	0.000	0.979
N434/N550	V 2	Uniforme	0.081	-	-	-	Globales	-0.204	-0.000	-0.979
N452/N568	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N451/N567	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N450/N566	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N448/N564	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N447/N563	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N446/N562	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N445/N561	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N444/N560	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N460/N576	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N459/N575	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N458/N574	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N457/N573	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N456/N572	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N455/N571	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N454/N570	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N453/N569	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N449/N565	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N446/N438	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N562/N554	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N345/N346	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N362/N363	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N364/N365	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N381/N382	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N461/N462	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N478/N479	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N480/N481	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N497/N498	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N382/N584	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N578/N584	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N578/N586	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N580/N586	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N580/N588	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N582/N588	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N582/N590	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N254/N590	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N577/N584	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N578/N585	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N579/N586	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N580/N587	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N581/N588	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N582/N589	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N583/N590	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N381/N591	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N599/N591	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N599/N593	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N601/N593	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N601/N595	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N603/N595	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N603/N597	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N253/N597	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N598/N591	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N599/N592	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N600/N593	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N601/N594	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N602/N595	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N603/N596	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N604/N597	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N597/N590	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N604/N583	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N603/N582	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N596/N589	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N602/N581	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N595/N588	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N601/N580	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N594/N587	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N598/N577	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N591/N584	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N599/N578	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N592/N585	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N600/N579	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N593/N586	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N365/N605	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N613/N605	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N613/N607	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N615/N607	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N615/N609	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N617/N609	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N617/N611	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N237/N611	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N612/N605	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N613/N606	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N614/N607	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N615/N608	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N616/N609	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N617/N610	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N618/N611	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N364/N619	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N627/N619	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N627/N621	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N629/N621	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N629/N623	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N631/N623	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N631/N625	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N236/N625	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N626/N619	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N627/N620	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N628/N621	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N629/N622	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N630/N623	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N631/N624	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N632/N625	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N625/N611	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N632/N618	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N631/N617	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N624/N610	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N630/N616	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N623/N609	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N629/N615	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N622/N608	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N626/N612	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N619/N605	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N627/N613	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N620/N606	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N628/N614	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N621/N607	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N307/N423	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N307/N423	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N307/N423	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N307/N423	V 1	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	0.979
N307/N423	V 2	Uniforme	0.219	-	-	-	Globales	0.204	0.000	-0.979
N320/N436	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N320/N436	CM 1	Uniforme	0.118	-	-	-	Globales	0.000	0.000	-1.000
N320/N436	Q 1	Uniforme	0.346	-	-	-	Globales	0.000	0.000	-1.000
N320/N436	V 1	Uniforme	0.494	-	-	-	Globales	0.204	0.000	0.979
N320/N436	V 2	Uniforme	0.494	-	-	-	Globales	-0.204	-0.000	-0.979
N318/N434	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N318/N434	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N318/N434	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N318/N434	V 1	Uniforme	0.219	-	-	-	Globales	0.204	0.000	0.979
N318/N434	V 2	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	-0.979
N539/N633	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N539/N633	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N539/N633	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N539/N633	V 1	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	0.979
N539/N633	V 2	Uniforme	0.219	-	-	-	Globales	0.204	0.000	-0.979
N634/N135	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N634/N135	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N634/N135	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N634/N135	V 1	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	0.979
N634/N135	V 2	Uniforme	0.219	-	-	-	Globales	0.204	0.000	-0.979
N645/N137	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N645/N137	CM 1	Uniforme	0.118	-	-	-	Globales	0.000	0.000	-1.000
N645/N137	Q 1	Uniforme	0.346	-	-	-	Globales	0.000	0.000	-1.000
N645/N137	V 1	Uniforme	0.494	-	-	-	Globales	-0.204	-0.000	0.979
N645/N137	V 2	Uniforme	0.494	-	-	-	Globales	0.204	0.000	-0.979
N309/N425	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N309/N425	CM 1	Uniforme	0.118	-	-	-	Globales	0.000	0.000	-1.000
N309/N425	Q 1	Uniforme	0.346	-	-	-	Globales	0.000	0.000	-1.000
N309/N425	V 1	Uniforme	0.494	-	-	-	Globales	-0.204	-0.000	0.979
N309/N425	V 2	Uniforme	0.494	-	-	-	Globales	0.204	0.000	-0.979
N541/N635	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N541/N635	CM 1	Uniforme	0.118	-	-	-	Globales	0.000	0.000	-1.000
N541/N635	Q 1	Uniforme	0.346	-	-	-	Globales	0.000	0.000	-1.000
N541/N635	V 1	Uniforme	0.494	-	-	-	Globales	-0.204	-0.000	0.979

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N541/N635	V 2	Uniforme	0.494	-	-	-	Globales	0.204	0.000	-0.979
N646/N139	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N646/N139	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N646/N139	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N646/N139	V 1	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	0.979
N646/N139	V 2	Uniforme	0.550	-	-	-	Globales	0.204	0.000	-0.979
N311/N427	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N311/N427	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N311/N427	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N311/N427	V 1	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	0.979
N311/N427	V 2	Uniforme	0.550	-	-	-	Globales	0.204	0.000	-0.979
N543/N636	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N543/N636	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N543/N636	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N543/N636	V 1	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	0.979
N543/N636	V 2	Uniforme	0.550	-	-	-	Globales	0.204	0.000	-0.979
N647/N141	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N647/N141	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N647/N141	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N647/N141	V 1	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	0.979
N647/N141	V 2	Uniforme	0.550	-	-	-	Globales	0.204	0.000	-0.979
N313/N429	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N313/N429	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N313/N429	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N313/N429	V 1	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	0.979
N313/N429	V 2	Uniforme	0.550	-	-	-	Globales	0.204	0.000	-0.979
N545/N637	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N545/N637	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N545/N637	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N545/N637	V 1	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	0.979
N545/N637	V 2	Uniforme	0.550	-	-	-	Globales	0.204	0.000	-0.979
N648/N143	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N648/N143	CM 1	Uniforme	0.134	-	-	-	Globales	0.000	0.000	-1.000
N648/N143	Q 1	Uniforme	0.391	-	-	-	Globales	0.000	0.000	-1.000
N648/N143	V 1	Uniforme	0.559	-	-	-	Globales	-0.204	-0.000	0.979
N648/N143	V 2	Uniforme	0.559	-	-	-	Globales	0.204	0.000	-0.979
N315/N431	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N315/N431	CM 1	Uniforme	0.134	-	-	-	Globales	0.000	0.000	-1.000
N315/N431	Q 1	Uniforme	0.391	-	-	-	Globales	0.000	0.000	-1.000
N315/N431	V 1	Uniforme	0.559	-	-	-	Globales	-0.204	-0.000	0.979
N315/N431	V 2	Uniforme	0.559	-	-	-	Globales	0.204	0.000	-0.979

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N547/N638	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N547/N638	CM 1	Uniforme	0.134	-	-	-	Globales	0.000	0.000	-1.000
N547/N638	Q 1	Uniforme	0.391	-	-	-	Globales	0.000	0.000	-1.000
N547/N638	V 1	Uniforme	0.559	-	-	-	Globales	-0.204	-0.000	0.979
N547/N638	V 2	Uniforme	0.559	-	-	-	Globales	0.204	0.000	-0.979
N649/N145	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N649/N145	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N649/N145	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N649/N145	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N649/N145	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N649/N145	V 1	Uniforme	0.284	-	-	-	Globales	0.204	0.000	0.979
N649/N145	V 1	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	0.979
N649/N145	V 2	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	-0.979
N649/N145	V 2	Uniforme	0.284	-	-	-	Globales	0.204	0.000	-0.979
N317/N433	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N317/N433	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N317/N433	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N317/N433	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N317/N433	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N317/N433	V 1	Uniforme	0.284	-	-	-	Globales	0.204	0.000	0.979
N317/N433	V 1	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	0.979
N317/N433	V 2	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	-0.979
N317/N433	V 2	Uniforme	0.284	-	-	-	Globales	0.204	0.000	-0.979
N549/N639	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N549/N639	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N549/N639	CM 1	Uniforme	0.068	-	-	-	Globales	0.000	0.000	-1.000
N549/N639	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N549/N639	Q 1	Uniforme	0.199	-	-	-	Globales	0.000	0.000	-1.000
N549/N639	V 1	Uniforme	0.284	-	-	-	Globales	0.204	0.000	0.979
N549/N639	V 1	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	0.979
N549/N639	V 2	Uniforme	0.284	-	-	-	Globales	-0.204	-0.000	-0.979
N549/N639	V 2	Uniforme	0.284	-	-	-	Globales	0.204	0.000	-0.979
N650/N154	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N650/N154	CM 1	Uniforme	0.134	-	-	-	Globales	0.000	0.000	-1.000
N650/N154	Q 1	Uniforme	0.391	-	-	-	Globales	0.000	0.000	-1.000
N650/N154	V 1	Uniforme	0.559	-	-	-	Globales	0.204	0.000	0.979
N650/N154	V 2	Uniforme	0.559	-	-	-	Globales	-0.204	-0.000	-0.979
N326/N442	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N326/N442	CM 1	Uniforme	0.134	-	-	-	Globales	0.000	0.000	-1.000
N326/N442	Q 1	Uniforme	0.391	-	-	-	Globales	0.000	0.000	-1.000
N326/N442	V 1	Uniforme	0.559	-	-	-	Globales	0.204	0.000	0.979

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N326/N442	V 2	Uniforme	0.559	-	-	-	Globales	-0.204	-0.000	-0.979
N558/N640	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N558/N640	CM 1	Uniforme	0.134	-	-	-	Globales	0.000	0.000	-1.000
N558/N640	Q 1	Uniforme	0.391	-	-	-	Globales	0.000	0.000	-1.000
N558/N640	V 1	Uniforme	0.559	-	-	-	Globales	0.204	0.000	0.979
N558/N640	V 2	Uniforme	0.559	-	-	-	Globales	-0.204	-0.000	-0.979
N651/N152	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N651/N152	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N651/N152	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N651/N152	V 1	Uniforme	0.550	-	-	-	Globales	0.204	0.000	0.979
N651/N152	V 2	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	-0.979
N324/N440	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N324/N440	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N324/N440	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N324/N440	V 1	Uniforme	0.550	-	-	-	Globales	0.204	0.000	0.979
N324/N440	V 2	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	-0.979
N556/N641	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N556/N641	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N556/N641	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N556/N641	V 1	Uniforme	0.550	-	-	-	Globales	0.204	0.000	0.979
N556/N641	V 2	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	-0.979
N652/N150	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N652/N150	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N652/N150	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N652/N150	V 1	Uniforme	0.550	-	-	-	Globales	0.204	0.000	0.979
N652/N150	V 2	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	-0.979
N322/N438	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N322/N438	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N322/N438	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N322/N438	V 1	Uniforme	0.550	-	-	-	Globales	0.204	0.000	0.979
N322/N438	V 2	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	-0.979
N554/N642	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N554/N642	CM 1	Uniforme	0.132	-	-	-	Globales	0.000	0.000	-1.000
N554/N642	Q 1	Uniforme	0.385	-	-	-	Globales	0.000	0.000	-1.000
N554/N642	V 1	Uniforme	0.550	-	-	-	Globales	0.204	0.000	0.979
N554/N642	V 2	Uniforme	0.550	-	-	-	Globales	-0.204	-0.000	-0.979
N653/N148	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N653/N148	CM 1	Uniforme	0.118	-	-	-	Globales	0.000	0.000	-1.000
N653/N148	Q 1	Uniforme	0.346	-	-	-	Globales	0.000	0.000	-1.000
N653/N148	V 1	Uniforme	0.494	-	-	-	Globales	0.204	0.000	0.979
N653/N148	V 2	Uniforme	0.494	-	-	-	Globales	-0.204	-0.000	-0.979

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N552/N643	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N552/N643	CM 1	Uniforme	0.118	-	-	-	Globales	0.000	0.000	-1.000
N552/N643	Q 1	Uniforme	0.346	-	-	-	Globales	0.000	0.000	-1.000
N552/N643	V 1	Uniforme	0.494	-	-	-	Globales	0.204	0.000	0.979
N552/N643	V 2	Uniforme	0.494	-	-	-	Globales	-0.204	-0.000	-0.979
N654/N146	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N654/N146	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N654/N146	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N654/N146	V 1	Uniforme	0.219	-	-	-	Globales	0.204	0.000	0.979
N654/N146	V 2	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	-0.979
N550/N644	Peso propio	Uniforme	0.066	-	-	-	Globales	0.000	0.000	-1.000
N550/N644	CM 1	Uniforme	0.053	-	-	-	Globales	0.000	0.000	-1.000
N550/N644	Q 1	Uniforme	0.153	-	-	-	Globales	0.000	0.000	-1.000
N550/N644	V 1	Uniforme	0.219	-	-	-	Globales	0.204	0.000	0.979
N550/N644	V 2	Uniforme	0.219	-	-	-	Globales	-0.204	-0.000	-0.979
N346/N347	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N347/N348	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N348/N349	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N349/N350	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N350/N351	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N351/N352	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N352/N353	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N353/N354	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N354/N355	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N355/N356	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N356/N357	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N357/N358	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N358/N359	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N359/N360	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N360/N361	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N361/N362	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N365/N366	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N366/N367	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N367/N368	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N368/N369	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N369/N370	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N370/N371	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N371/N372	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N372/N373	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N373/N374	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N374/N375	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N375/N376	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N376/N377	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N377/N378	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N378/N379	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N379/N380	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N380/N381	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N481/N482	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N482/N483	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N483/N484	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N484/N485	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N485/N486	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N486/N487	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N487/N488	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N488/N489	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N489/N490	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N490/N491	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N491/N492	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N492/N493	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N493/N494	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N494/N495	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N495/N496	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N496/N497	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N462/N463	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N463/N464	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N464/N465	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N465/N466	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N466/N467	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N467/N468	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N468/N469	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N469/N470	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N470/N471	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N471/N472	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N472/N473	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N473/N474	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N474/N475	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N475/N476	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N476/N477	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N477/N478	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N16/N188	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N188/N625	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N625/N624	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N624/N623	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N623/N622	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N622/N621	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N621/N620	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N620/N619	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N619/N345	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N345/N461	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N64/N236	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N236/N632	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N632/N631	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N631/N630	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N630/N629	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N629/N628	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N628/N627	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N627/N626	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N626/N364	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N364/N480	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N34/N206	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N206/N590	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N590/N589	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N589/N588	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N588/N587	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N587/N586	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N586/N585	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N585/N584	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N584/N363	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N363/N479	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N82/N254	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N254/N583	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N583/N582	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N582/N581	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N581/N580	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N580/N579	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N579/N578	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N578/N577	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N577/N382	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N382/N498	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N33/N205	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N205/N597	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N597/N596	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N596/N595	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

Cargas en barras										
Barra	Hipótesis	Tipo	Valores		Posición		Dirección			
			P1	P2	L1 (m)	L2 (m)	Ejes	X	Y	Z
N595/N594	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N594/N593	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N593/N592	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N592/N591	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N591/N362	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N362/N478	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N81/N253	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N253/N604	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N604/N603	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N603/N602	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N602/N601	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N601/N600	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N600/N599	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N599/N598	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N598/N381	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N381/N497	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N17/N189	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N189/N611	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N611/N610	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N610/N609	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N609/N608	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N608/N607	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N607/N606	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N606/N605	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N605/N346	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N346/N462	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N65/N237	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N237/N618	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N618/N617	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N617/N616	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N616/N615	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N615/N614	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N614/N613	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N613/N612	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N612/N365	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000
N365/N481	Peso propio	Uniforme	0.082	-	-	-	Globales	0.000	0.000	-1.000

2.3. Resultados

2.3.1. Nudos

2.3.1.1. Desplazamientos

Referencias:

Dx, Dy, Dz: Desplazamientos de los nudos en ejes globales.
Gx, Gy, Gz: Giros de los nudos en ejes globales.

2.3.1.1.1. Envolventes

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N1	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N2	Desplazamientos	Valor mínimo de la envolvente	-0.886	-0.633	-0.189	-1.426	-1.437	-0.306
		Valor máximo de la envolvente	0.836	0.629	0.179	1.437	1.367	0.303
N3	Desplazamientos	Valor mínimo de la envolvente	-1.852	-1.793	-0.320	-1.954	-1.754	-0.712
		Valor máximo de la envolvente	1.759	1.779	0.305	1.970	1.681	0.710
N4	Desplazamientos	Valor mínimo de la envolvente	-3.159	-3.257	-0.437	-2.602	-2.335	-0.713
		Valor máximo de la envolvente	3.013	3.232	0.418	2.623	2.243	0.706
N5	Desplazamientos	Valor mínimo de la envolvente	-4.748	-5.062	-0.529	-2.963	-2.682	-1.013
		Valor máximo de la envolvente	4.543	5.021	0.511	2.987	2.589	1.005
N6	Desplazamientos	Valor mínimo de la envolvente	-6.512	-7.092	-0.608	-3.450	-2.872	-1.079
		Valor máximo de la envolvente	6.252	7.036	0.591	3.478	2.786	1.066
N7	Desplazamientos	Valor mínimo de la envolvente	-8.105	-9.351	-0.663	-3.644	-2.885	-1.319
		Valor máximo de la envolvente	7.794	9.275	0.652	3.675	2.820	1.304
N8	Desplazamientos	Valor mínimo de la envolvente	-9.841	-11.746	-0.705	-3.969	-2.737	-1.539
		Valor máximo de la envolvente	9.500	11.651	0.702	4.003	2.703	1.522
N9	Desplazamientos	Valor mínimo de la envolvente	-11.414	-14.265	-0.724	-4.007	-2.415	-1.735
		Valor máximo de la envolvente	11.060	14.149	0.734	4.041	2.427	1.716
N10	Desplazamientos	Valor mínimo de la envolvente	-12.784	-16.817	-0.733	-4.110	-1.985	-2.054
		Valor máximo de la envolvente	12.451	16.678	0.756	4.146	2.046	2.031
N11	Desplazamientos	Valor mínimo de la envolvente	-13.737	-19.291	-0.728	-3.870	-1.106	-2.321
		Valor máximo de la envolvente	13.460	19.130	0.767	3.904	1.259	2.296
N12	Desplazamientos	Valor mínimo de la envolvente	-14.009	-21.215	-0.722	-3.751	-0.756	-2.425
		Valor máximo de la envolvente	13.849	21.038	0.773	3.784	0.969	2.400
N13	Desplazamientos	Valor mínimo de la envolvente	-13.957	-22.192	-0.734	-3.603	-0.573	-2.456
		Valor máximo de la envolvente	13.805	22.004	0.715	3.636	0.789	2.430
N14	Desplazamientos	Valor mínimo de la envolvente	-13.864	-23.678	-0.730	-3.041	-0.024	-2.464
		Valor máximo de la envolvente	13.727	23.473	0.595	3.075	0.280	2.436
N15	Desplazamientos	Valor mínimo de la envolvente	-13.853	-24.984	-0.734	-2.226	0.025	-2.135
		Valor máximo de la envolvente	13.777	24.762	0.434	2.261	0.367	2.109
N16	Desplazamientos	Valor mínimo de la envolvente	-13.842	-25.932	-0.908	-1.420	-0.081	-2.062
		Valor máximo de la envolvente	13.833	25.694	0.330	1.466	0.783	2.042
N17	Desplazamientos	Valor mínimo de la envolvente	-13.822	-26.584	-1.107	-1.551	-0.080	-1.943
		Valor máximo de la envolvente	13.857	26.337	0.198	1.601	0.998	1.922
N18	Desplazamientos	Valor mínimo de la envolvente	-13.740	-28.170	-1.730	-1.533	0.880	-3.291
		Valor máximo de la envolvente	13.909	27.902	-0.203	1.638	1.555	3.255
N19	Desplazamientos	Valor mínimo de la envolvente	-13.651	-30.635	-2.603	-1.633	0.886	-3.575
		Valor máximo de la envolvente	13.983	30.337	-0.761	1.823	1.520	3.547
N20	Desplazamientos	Valor mínimo de la envolvente	-13.619	-32.926	-3.434	-1.643	0.969	-3.139
		Valor máximo de la envolvente	13.975	32.601	-1.389	1.911	1.599	3.113
N21	Desplazamientos	Valor mínimo de la envolvente	-13.590	-34.974	-4.217	-1.730	0.816	-2.869
		Valor máximo de la envolvente	13.967	34.629	-2.063	2.051	1.465	2.855
N22	Desplazamientos	Valor mínimo de la envolvente	-13.607	-36.687	-4.991	-1.604	0.592	-2.245
		Valor máximo de la envolvente	13.912	36.335	-2.656	1.937	1.253	2.240
N23	Desplazamientos	Valor mínimo de la envolvente	-13.627	-38.000	-5.658	-1.757	0.308	-2.353

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	13.857	37.648	-3.005	2.076	1.009	2.352
N24	Desplazamientos	Valor mínimo de la envolvente	-13.676	-38.799	-6.063	-1.540	0.001	-2.400
		Valor máximo de la envolvente	13.783	38.451	-3.344	1.835	0.703	2.405
N25	Desplazamientos	Valor mínimo de la envolvente	-13.728	-39.146	-6.227	-1.784	-0.284	-2.437
		Valor máximo de la envolvente	13.712	38.804	-3.359	2.054	0.313	2.444
N26	Desplazamientos	Valor mínimo de la envolvente	-13.803	-38.905	-6.086	-1.541	-0.658	-2.398
		Valor máximo de la envolvente	13.661	38.572	-3.361	1.782	0.009	2.407
N27	Desplazamientos	Valor mínimo de la envolvente	-13.878	-38.200	-5.701	-1.766	-0.987	-2.343
		Valor máximo de la envolvente	13.611	37.877	-3.037	1.980	-0.288	2.354
N28	Desplazamientos	Valor mínimo de la envolvente	-13.936	-36.951	-5.048	-1.560	-1.259	-2.233
		Valor máximo de la envolvente	13.590	36.640	-2.705	1.745	-0.562	2.246
N29	Desplazamientos	Valor mínimo de la envolvente	-13.994	-35.321	-4.258	-1.734	-1.466	-2.766
		Valor máximo de la envolvente	13.570	35.023	-2.114	1.891	-0.804	2.781
N30	Desplazamientos	Valor mínimo de la envolvente	-14.005	-33.294	-3.474	-1.617	-1.615	-3.076
		Valor máximo de la envolvente	13.598	33.009	-1.432	1.745	-0.977	3.093
N31	Desplazamientos	Valor mínimo de la envolvente	-14.015	-31.043	-2.636	-1.652	-1.545	-3.553
		Valor máximo de la envolvente	13.628	30.773	-0.799	1.753	-0.905	3.572
N32	Desplazamientos	Valor mínimo de la envolvente	-13.942	-28.566	-1.754	-1.593	-1.584	-3.258
		Valor máximo de la envolvente	13.718	28.314	-0.225	1.665	-0.904	3.279
N33	Desplazamientos	Valor mínimo de la envolvente	-13.890	-27.006	-1.138	-1.600	-1.018	-1.952
		Valor máximo de la envolvente	13.792	26.763	0.206	1.656	0.068	1.952
N34	Desplazamientos	Valor mínimo de la envolvente	-13.866	-26.383	-0.931	-1.469	-0.796	-2.051
		Valor máximo de la envolvente	13.813	26.142	0.340	1.517	0.072	2.063
N35	Desplazamientos	Valor mínimo de la envolvente	-13.801	-25.464	-0.753	-2.301	-0.373	-2.105
		Valor máximo de la envolvente	13.824	25.236	0.449	2.340	-0.030	2.126
N36	Desplazamientos	Valor mínimo de la envolvente	-13.750	-24.184	-0.749	-3.117	-0.280	-2.427
		Valor máximo de la envolvente	13.836	23.970	0.615	3.155	0.018	2.451
N37	Desplazamientos	Valor mínimo de la envolvente	-13.828	-22.685	-0.753	-3.706	-0.801	-2.446
		Valor máximo de la envolvente	13.929	22.484	0.736	3.743	0.580	2.467
N38	Desplazamientos	Valor mínimo de la envolvente	-13.872	-21.705	-0.737	-3.861	-0.983	-2.400
		Valor máximo de la envolvente	13.981	21.513	0.792	3.897	0.763	2.420
N39	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N40	Desplazamientos	Valor mínimo de la envolvente	-0.837	-0.649	-0.190	-1.457	-1.358	-0.288
		Valor máximo de la envolvente	0.885	0.644	0.181	1.469	1.425	0.290
N41	Desplazamientos	Valor mínimo de la envolvente	-1.750	-1.831	-0.322	-1.987	-1.666	-0.670
		Valor máximo de la envolvente	1.837	1.816	0.309	2.003	1.734	0.671
N42	Desplazamientos	Valor mínimo de la envolvente	-2.993	-3.317	-0.439	-2.638	-2.229	-0.666
		Valor máximo de la envolvente	3.130	3.289	0.423	2.660	2.313	0.672
N43	Desplazamientos	Valor mínimo de la envolvente	-4.512	-5.146	-0.533	-3.009	-2.578	-0.956
		Valor máximo de la envolvente	4.703	5.103	0.517	3.035	2.662	0.962
N44	Desplazamientos	Valor mínimo de la envolvente	-6.214	-7.210	-0.613	-3.512	-2.782	-1.042
		Valor máximo de la envolvente	6.455	7.149	0.599	3.542	2.859	1.052
N45	Desplazamientos	Valor mínimo de la envolvente	-7.990	-9.515	-0.670	-3.725	-2.825	-1.269
		Valor máximo de la envolvente	8.276	9.434	0.663	3.758	2.880	1.280
N46	Desplazamientos	Valor mínimo de la envolvente	-9.475	-11.969	-0.714	-4.067	-2.718	-1.516
		Valor máximo de la envolvente	9.786	11.867	0.715	4.103	2.743	1.531
N47	Desplazamientos	Valor mínimo de la envolvente	-11.048	-14.555	-0.735	-4.110	-2.451	-1.707
		Valor máximo de la envolvente	11.365	14.429	0.750	4.147	2.429	1.723

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N48	Desplazamientos	Valor mínimo de la envolvente	-12.454	-17.176	-0.746	-4.219	-2.072	-2.025
		Valor máximo de la envolvente	12.744	17.026	0.773	4.258	2.003	2.045
N49	Desplazamientos	Valor mínimo de la envolvente	-13.477	-19.721	-0.742	-3.981	-1.278	-2.289
		Valor máximo de la envolvente	13.707	19.547	0.786	4.019	1.117	2.310
N50	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N51	Desplazamientos	Valor mínimo de la envolvente	-0.811	-0.703	-0.253	-1.362	-1.316	-0.311
		Valor máximo de la envolvente	0.859	0.698	0.259	1.372	1.383	0.312
N52	Desplazamientos	Valor mínimo de la envolvente	-1.714	-1.903	-0.453	-2.135	-1.681	-0.680
		Valor máximo de la envolvente	1.801	1.888	0.465	2.153	1.752	0.680
N53	Desplazamientos	Valor mínimo de la envolvente	-2.922	-3.519	-0.584	-2.601	-2.216	-0.677
		Valor máximo de la envolvente	3.059	3.490	0.597	2.623	2.301	0.682
N54	Desplazamientos	Valor mínimo de la envolvente	-4.401	-5.416	-0.702	-3.177	-2.590	-0.966
		Valor máximo de la envolvente	4.592	5.371	0.717	3.204	2.677	0.973
N55	Desplazamientos	Valor mínimo de la envolvente	-6.051	-7.610	-0.757	-3.481	-2.770	-1.030
		Valor máximo de la envolvente	6.292	7.545	0.771	3.511	2.847	1.040
N56	Desplazamientos	Valor mínimo de la envolvente	-7.762	-9.996	-0.800	-3.894	-2.837	-1.275
		Valor máximo de la envolvente	8.048	9.911	0.812	3.928	2.895	1.286
N57	Desplazamientos	Valor mínimo de la envolvente	-9.475	-12.570	-0.781	-4.037	-2.707	-1.509
		Valor máximo de la envolvente	9.785	12.462	0.788	4.073	2.732	1.524
N58	Desplazamientos	Valor mínimo de la envolvente	-11.047	-15.249	-0.749	-4.288	-2.458	-1.704
		Valor máximo de la envolvente	11.364	15.117	0.752	4.327	2.438	1.721
N59	Desplazamientos	Valor mínimo de la envolvente	-12.455	-18.011	-0.746	-4.279	-2.098	-2.038
		Valor máximo de la envolvente	12.747	17.854	0.740	4.318	2.035	2.057
N60	Desplazamientos	Valor mínimo de la envolvente	-13.485	-20.722	-0.751	-4.028	-1.039	-2.606
		Valor máximo de la envolvente	13.716	20.541	0.737	4.067	0.850	2.628
N61	Desplazamientos	Valor mínimo de la envolvente	-13.746	-20.288	-0.732	-3.912	-0.840	-2.595
		Valor máximo de la envolvente	13.467	20.118	0.716	3.948	1.023	2.569
N62	Desplazamientos	Valor mínimo de la envolvente	-13.834	-22.121	-0.731	-3.055	-0.043	-2.824
		Valor máximo de la envolvente	13.522	21.935	0.593	3.088	0.301	2.797
N63	Desplazamientos	Valor mínimo de la envolvente	-13.922	-23.961	-0.735	-2.200	-0.098	-2.632
		Valor máximo de la envolvente	13.576	23.759	0.438	2.237	0.478	2.606
N64	Desplazamientos	Valor mínimo de la envolvente	-13.947	-25.563	-0.952	-2.140	-0.309	-1.965
		Valor máximo de la envolvente	13.499	25.346	0.384	2.183	1.037	1.939
N65	Desplazamientos	Valor mínimo de la envolvente	-13.967	-26.089	-1.113	-2.066	-0.279	-1.941
		Valor máximo de la envolvente	13.455	25.865	0.252	2.115	1.326	1.930
N66	Desplazamientos	Valor mínimo de la envolvente	-14.108	-27.601	-1.735	-1.562	0.791	-2.971
		Valor máximo de la envolvente	13.431	27.384	-0.211	1.672	1.370	2.969
N67	Desplazamientos	Valor mínimo de la envolvente	-14.156	-29.750	-2.602	-1.635	0.904	-3.220
		Valor máximo de la envolvente	13.451	29.546	-0.765	1.826	1.557	3.225
N68	Desplazamientos	Valor mínimo de la envolvente	-14.205	-31.949	-3.431	-1.632	0.953	-3.239
		Valor máximo de la envolvente	13.475	31.755	-1.387	1.901	1.582	3.237
N69	Desplazamientos	Valor mínimo de la envolvente	-14.175	-33.980	-4.218	-1.693	0.823	-2.733
		Valor máximo de la envolvente	13.534	33.792	-2.064	2.023	1.475	2.730
N70	Desplazamientos	Valor mínimo de la envolvente	-14.145	-35.682	-4.987	-1.577	0.588	-2.320
		Valor máximo de la envolvente	13.597	35.493	-2.661	1.910	1.246	2.314
N71	Desplazamientos	Valor mínimo de la envolvente	-14.066	-37.013	-5.660	-1.715	0.311	-2.304
		Valor máximo de la envolvente	13.681	36.819	-3.015	2.033	1.014	2.296
N72	Desplazamientos	Valor mínimo de la envolvente	-13.988	-37.863	-6.059	-1.500	0.000	-2.396

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	13.768	37.662	-3.350	1.795	0.700	2.391
N73	Desplazamientos	Valor mínimo de la envolvente	-13.875	-38.159	-6.228	-1.743	-0.284	-2.391
		Valor máximo de la envolvente	13.845	37.951	-3.369	2.012	0.314	2.387
N74	Desplazamientos	Valor mínimo de la envolvente	-13.788	-37.994	-6.082	-1.502	-0.655	-2.386
		Valor máximo de la envolvente	13.949	37.781	-3.368	1.743	0.010	2.386
N75	Desplazamientos	Valor mínimo de la envolvente	-13.707	-37.246	-5.703	-1.729	-0.992	-2.303
		Valor máximo de la envolvente	14.036	37.030	-3.046	1.942	-0.290	2.303
N76	Desplazamientos	Valor mínimo de la envolvente	-13.627	-36.065	-5.044	-1.527	-1.251	-2.209
		Valor máximo de la envolvente	14.123	35.845	-2.710	1.712	-0.558	2.213
N77	Desplazamientos	Valor mínimo de la envolvente	-13.560	-34.395	-4.259	-1.706	-1.477	-2.653
		Valor máximo de la envolvente	14.154	34.175	-2.115	1.862	-0.811	2.657
N78	Desplazamientos	Valor mínimo de la envolvente	-13.496	-32.419	-3.470	-1.601	-1.598	-3.189
		Valor máximo de la envolvente	14.184	32.198	-1.430	1.729	-0.966	3.197
N79	Desplazamientos	Valor mínimo de la envolvente	-13.471	-30.202	-2.636	-1.650	-1.582	-3.272
		Valor máximo de la envolvente	14.136	29.981	-0.802	1.751	-0.923	3.277
N80	Desplazamientos	Valor mínimo de la envolvente	-13.451	-27.976	-1.759	-1.634	-1.397	-2.977
		Valor máximo de la envolvente	14.089	27.754	-0.234	1.706	-0.812	2.983
N81	Desplazamientos	Valor mínimo de la envolvente	-13.476	-26.495	-1.145	-2.130	-1.343	-1.947
		Valor máximo de la envolvente	13.946	26.272	0.262	2.176	0.268	1.951
N82	Desplazamientos	Valor mínimo de la envolvente	-13.519	-25.991	-0.975	-2.208	-1.052	-1.931
		Valor máximo de la envolvente	13.925	25.772	0.395	2.253	0.300	1.950
N83	Desplazamientos	Valor mínimo de la envolvente	-13.596	-24.392	-0.754	-2.285	-0.483	-2.555
		Valor máximo de la envolvente	13.897	24.185	0.453	2.325	0.094	2.576
N84	Desplazamientos	Valor mínimo de la envolvente	-13.541	-22.607	-0.751	-3.120	-0.300	-2.790
		Valor máximo de la envolvente	13.806	22.412	0.612	3.158	0.037	2.813
N85	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N86	Desplazamientos	Valor mínimo de la envolvente	-0.859	-0.685	-0.258	-1.330	-1.393	-0.326
		Valor máximo de la envolvente	0.809	0.680	0.265	1.341	1.323	0.323
N87	Desplazamientos	Valor mínimo de la envolvente	-1.815	-1.862	-0.463	-2.101	-1.774	-0.725
		Valor máximo de la envolvente	1.722	1.847	0.476	2.118	1.698	0.722
N88	Desplazamientos	Valor mínimo de la envolvente	-3.086	-3.457	-0.596	-2.568	-2.323	-0.724
		Valor máximo de la envolvente	2.940	3.429	0.610	2.589	2.230	0.717
N89	Desplazamientos	Valor mínimo de la envolvente	-4.633	-5.332	-0.716	-3.132	-2.698	-1.024
		Valor máximo de la envolvente	4.428	5.288	0.732	3.158	2.602	1.016
N90	Desplazamientos	Valor mínimo de la envolvente	-6.343	-7.493	-0.770	-3.421	-2.860	-1.084
		Valor máximo de la envolvente	6.082	7.432	0.784	3.449	2.773	1.072
N91	Desplazamientos	Valor mínimo de la envolvente	-8.104	-9.837	-0.812	-3.812	-2.899	-1.324
		Valor máximo de la envolvente	7.794	9.756	0.825	3.844	2.832	1.310
N92	Desplazamientos	Valor mínimo de la envolvente	-9.841	-12.351	-0.791	-3.941	-2.727	-1.533
		Valor máximo de la envolvente	9.500	12.249	0.798	3.974	2.691	1.515
N93	Desplazamientos	Valor mínimo de la envolvente	-11.414	-14.964	-0.758	-4.181	-2.424	-1.733
		Valor máximo de la envolvente	11.059	14.840	0.760	4.217	2.434	1.713
N94	Desplazamientos	Valor mínimo de la envolvente	-12.786	-17.654	-0.726	-4.166	-2.016	-2.064
		Valor máximo de la envolvente	12.452	17.507	0.719	4.202	2.072	2.041
N95	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N96	Desplazamientos	Valor mínimo de la envolvente	-1.051	-1.219	-0.336	-2.478	-1.642	-0.321
		Valor máximo de la envolvente	0.884	1.213	0.220	2.493	1.488	0.316

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N97	Desplazamientos	Valor mínimo de la envolvente	-2.133	-3.222	-0.567	-3.126	-1.955	-0.705
		Valor máximo de la envolvente	1.891	3.203	0.364	3.147	1.676	0.700
N98	Desplazamientos	Valor mínimo de la envolvente	-3.592	-5.622	-0.764	-3.998	-2.570	-0.783
		Valor máximo de la envolvente	3.087	5.587	0.476	4.027	2.248	0.771
N99	Desplazamientos	Valor mínimo de la envolvente	-5.326	-8.402	-0.910	-4.254	-2.902	-1.055
		Valor máximo de la envolvente	4.689	8.348	0.555	4.287	2.586	1.040
N100	Desplazamientos	Valor mínimo de la envolvente	-7.041	-11.392	-1.023	-4.781	-3.046	-1.204
		Valor máximo de la envolvente	6.145	11.315	0.603	4.819	2.775	1.183
N101	Desplazamientos	Valor mínimo de la envolvente	-8.879	-14.527	-1.086	-4.683	-2.969	-1.427
		Valor máximo de la envolvente	7.910	14.426	0.620	4.723	2.800	1.403
N102	Desplazamientos	Valor mínimo de la envolvente	-10.651	-17.674	-1.116	-4.827	-2.698	-1.644
		Valor máximo de la envolvente	9.542	17.546	0.606	4.872	2.672	1.615
N103	Desplazamientos	Valor mínimo de la envolvente	-12.148	-20.712	-1.097	-4.395	-2.226	-1.790
		Valor máximo de la envolvente	11.138	20.555	0.561	4.441	2.387	1.758
N104	Desplazamientos	Valor mínimo de la envolvente	-13.351	-23.521	-1.048	-3.900	-1.642	-2.011
		Valor máximo de la envolvente	12.435	23.334	0.487	3.948	2.085	1.979
N105	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N106	Desplazamientos	Valor mínimo de la envolvente	-1.018	-1.220	-0.325	-2.230	-1.598	-0.345
		Valor máximo de la envolvente	0.855	1.212	0.269	2.244	1.416	0.340
N107	Desplazamientos	Valor mínimo de la envolvente	-2.087	-3.197	-0.585	-3.369	-1.977	-0.715
		Valor máximo de la envolvente	1.849	3.176	0.478	3.392	1.698	0.710
N108	Desplazamientos	Valor mínimo de la envolvente	-3.509	-5.717	-0.771	-3.832	-2.555	-0.790
		Valor máximo de la envolvente	3.009	5.678	0.597	3.861	2.234	0.778
N109	Desplazamientos	Valor mínimo de la envolvente	-5.192	-8.551	-0.941	-4.531	-2.921	-1.061
		Valor máximo de la envolvente	4.559	8.491	0.700	4.566	2.599	1.046
N110	Desplazamientos	Valor mínimo de la envolvente	-7.040	-11.649	-1.048	-4.620	-3.031	-1.208
		Valor máximo de la envolvente	6.149	11.565	0.722	4.658	2.762	1.187
N111	Desplazamientos	Valor mínimo de la envolvente	-8.878	-14.863	-1.139	-4.954	-2.988	-1.428
		Valor máximo de la envolvente	7.913	14.752	0.728	4.998	2.814	1.404
N112	Desplazamientos	Valor mínimo de la envolvente	-10.650	-18.091	-1.167	-4.669	-2.683	-1.641
		Valor máximo de la envolvente	9.545	17.951	0.653	4.714	2.657	1.612
N113	Desplazamientos	Valor mínimo de la envolvente	-12.146	-21.228	-1.181	-4.643	-2.244	-1.790
		Valor máximo de la envolvente	11.141	21.058	0.563	4.691	2.416	1.759
N114	Desplazamientos	Valor mínimo de la envolvente	-13.353	-24.086	-1.131	-3.750	-1.630	-1.999
		Valor máximo de la envolvente	12.438	23.887	0.392	3.793	1.967	1.968
N115	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N116	Desplazamientos	Valor mínimo de la envolvente	-0.882	-1.233	-0.338	-2.501	-1.483	-0.304
		Valor máximo de la envolvente	1.051	1.227	0.221	2.516	1.635	0.307
N117	Desplazamientos	Valor mínimo de la envolvente	-1.883	-3.250	-0.572	-3.149	-1.669	-0.678
		Valor máximo de la envolvente	2.125	3.231	0.365	3.170	1.948	0.681
N118	Desplazamientos	Valor mínimo de la envolvente	-3.073	-5.666	-0.771	-4.031	-2.243	-0.752
		Valor máximo de la envolvente	3.580	5.631	0.478	4.060	2.564	0.761
N119	Desplazamientos	Valor mínimo de la envolvente	-4.671	-8.473	-0.920	-4.301	-2.582	-1.023
		Valor máximo de la envolvente	5.308	8.419	0.559	4.334	2.897	1.034
N120	Desplazamientos	Valor mínimo de la envolvente	-6.317	-11.495	-1.036	-4.840	-2.776	-1.169
		Valor máximo de la envolvente	7.212	11.418	0.609	4.879	3.042	1.186
N121	Desplazamientos	Valor mínimo de la envolvente	-7.898	-14.673	-1.102	-4.758	-2.805	-1.393

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	8.862	14.571	0.627	4.800	2.968	1.411
N122	Desplazamientos	Valor mínimo de la envolvente	-9.534	-17.879	-1.135	-4.933	-2.683	-1.594
		Valor máximo de la envolvente	10.634	17.750	0.615	4.978	2.699	1.617
N123	Desplazamientos	Valor mínimo de la envolvente	-11.140	-20.996	-1.118	-4.512	-2.404	-1.748
		Valor máximo de la envolvente	12.131	20.838	0.571	4.559	2.228	1.772
N124	Desplazamientos	Valor mínimo de la envolvente	-12.445	-23.887	-1.069	-4.012	-2.104	-1.973
		Valor máximo de la envolvente	13.334	23.698	0.498	4.061	1.640	1.997
N125	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N126	Desplazamientos	Valor mínimo de la envolvente	-0.854	-1.239	-0.322	-2.252	-1.411	-0.326
		Valor máximo de la envolvente	1.019	1.231	0.263	2.266	1.593	0.329
N127	Desplazamientos	Valor mínimo de la envolvente	-1.843	-3.225	-0.579	-3.388	-1.690	-0.688
		Valor máximo de la envolvente	2.081	3.204	0.469	3.412	1.969	0.691
N128	Desplazamientos	Valor mínimo de la envolvente	-2.998	-5.760	-0.765	-3.864	-2.229	-0.759
		Valor máximo de la envolvente	3.501	5.722	0.586	3.892	2.549	0.768
N129	Desplazamientos	Valor mínimo de la envolvente	-4.546	-8.617	-0.936	-4.576	-2.596	-1.029
		Valor máximo de la envolvente	5.178	8.558	0.688	4.611	2.916	1.040
N130	Desplazamientos	Valor mínimo de la envolvente	-6.135	-11.744	-1.044	-4.676	-2.763	-1.173
		Valor máximo de la envolvente	7.025	11.661	0.709	4.714	3.027	1.189
N131	Desplazamientos	Valor mínimo de la envolvente	-7.901	-14.998	-1.139	-5.034	-2.819	-1.394
		Valor máximo de la envolvente	8.860	14.888	0.716	5.077	2.986	1.413
N132	Desplazamientos	Valor mínimo de la envolvente	-9.537	-18.286	-1.170	-4.770	-2.668	-1.594
		Valor máximo de la envolvente	10.633	18.147	0.642	4.815	2.684	1.616
N133	Desplazamientos	Valor mínimo de la envolvente	-11.143	-21.497	-1.188	-4.764	-2.433	-1.749
		Valor máximo de la envolvente	12.129	21.330	0.554	4.813	2.246	1.773
N134	Desplazamientos	Valor mínimo de la envolvente	-12.449	-24.433	-1.161	-3.853	-1.984	-1.964
		Valor máximo de la envolvente	13.337	24.236	0.403	3.897	1.630	1.987
N135	Desplazamientos	Valor mínimo de la envolvente	-13.853	-26.500	-0.907	-1.962	-0.158	-1.994
		Valor máximo de la envolvente	14.090	26.233	0.306	2.090	0.923	1.990
N136	Desplazamientos	Valor mínimo de la envolvente	-13.861	-27.193	-1.068	-2.078	-0.158	-1.980
		Valor máximo de la envolvente	14.128	26.919	0.211	2.174	0.816	1.984
N137	Desplazamientos	Valor mínimo de la envolvente	-13.862	-28.429	-1.338	-2.323	-0.042	-2.031
		Valor máximo de la envolvente	14.149	28.135	0.148	2.557	0.582	2.041
N138	Desplazamientos	Valor mínimo de la envolvente	-13.860	-29.751	-1.595	-2.768	-0.088	-2.063
		Valor máximo de la envolvente	14.144	29.442	0.125	2.944	0.453	2.087
N139	Desplazamientos	Valor mínimo de la envolvente	-13.856	-31.057	-1.818	-3.222	-0.140	-2.168
		Valor máximo de la envolvente	14.112	30.731	0.198	3.540	0.367	2.206
N140	Desplazamientos	Valor mínimo de la envolvente	-13.849	-32.316	-1.993	-3.676	-0.177	-2.185
		Valor máximo de la envolvente	14.071	31.981	0.255	3.964	0.256	2.236
N141	Desplazamientos	Valor mínimo de la envolvente	-13.841	-33.521	-2.125	-4.156	-0.235	-2.267
		Valor máximo de la envolvente	14.004	33.173	0.397	4.568	0.178	2.324
N142	Desplazamientos	Valor mínimo de la envolvente	-13.827	-34.635	-2.205	-4.583	-0.330	-2.262
		Valor máximo de la envolvente	13.941	34.279	0.499	4.936	0.172	2.321
N143	Desplazamientos	Valor mínimo de la envolvente	-13.814	-35.669	-2.260	-5.023	-0.389	-2.319
		Valor máximo de la envolvente	13.861	35.301	0.667	5.469	0.199	2.375
N144	Desplazamientos	Valor mínimo de la envolvente	-13.790	-36.583	-2.279	-5.351	-0.392	-2.285
		Valor máximo de la envolvente	13.803	36.205	0.763	5.706	0.242	2.335
N145	Desplazamientos	Valor mínimo de la envolvente	-13.766	-37.429	-2.303	-5.584	-0.311	-2.328
		Valor máximo de la envolvente	13.741	37.029	0.882	6.008	0.321	2.329

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N146	Desplazamientos	Valor mínimo de la envolvente	-14.127	-26.964	-0.930	-2.008	-0.940	-2.003
		Valor máximo de la envolvente	13.829	26.696	0.316	2.137	0.148	1.999
N147	Desplazamientos	Valor mínimo de la envolvente	-14.166	-27.643	-1.098	-2.130	-0.835	-1.991
		Valor máximo de la envolvente	13.836	27.367	0.219	2.233	0.148	1.987
N148	Desplazamientos	Valor mínimo de la envolvente	-14.189	-28.861	-1.384	-2.383	-0.596	-2.060
		Valor máximo de la envolvente	13.836	28.563	0.154	2.622	0.033	2.042
N149	Desplazamientos	Valor mínimo de la envolvente	-14.184	-30.150	-1.646	-2.824	-0.456	-2.115
		Valor máximo de la envolvente	13.834	29.839	0.127	3.056	0.085	2.075
N150	Desplazamientos	Valor mínimo de la envolvente	-14.150	-31.409	-1.868	-3.272	-0.363	-2.234
		Valor máximo de la envolvente	13.830	31.084	0.199	3.650	0.139	2.181
N151	Desplazamientos	Valor mínimo de la envolvente	-14.108	-32.617	-2.038	-3.715	-0.247	-2.259
		Valor máximo de la envolvente	13.823	32.283	0.254	4.057	0.175	2.197
N152	Desplazamientos	Valor mínimo de la envolvente	-14.039	-33.768	-2.164	-4.189	-0.165	-2.342
		Valor máximo de la envolvente	13.816	33.422	0.396	4.645	0.237	2.279
N153	Desplazamientos	Valor mínimo de la envolvente	-13.975	-34.826	-2.235	-4.606	-0.164	-2.336
		Valor máximo de la envolvente	13.803	34.471	0.497	4.993	0.341	2.271
N154	Desplazamientos	Valor mínimo de la envolvente	-13.893	-35.794	-2.282	-5.039	-0.193	-2.384
		Valor máximo de la envolvente	13.791	35.427	0.666	5.507	0.400	2.326
N155	Desplazamientos	Valor mínimo de la envolvente	-13.833	-36.647	-2.290	-5.358	-0.235	-2.340
		Valor máximo de la envolvente	13.768	36.270	0.762	5.724	0.405	2.290
N156	Desplazamientos	Valor mínimo de la envolvente	-13.985	-28.044	-1.421	-2.322	-0.483	-2.069
		Valor máximo de la envolvente	13.810	27.797	0.139	2.422	0.081	2.041
N157	Desplazamientos	Valor mínimo de la envolvente	-14.058	-29.110	-1.677	-2.794	-0.466	-2.131
		Valor máximo de la envolvente	13.835	28.867	0.127	2.983	0.073	2.078
N158	Desplazamientos	Valor mínimo de la envolvente	-14.096	-30.153	-1.893	-3.280	-0.360	-2.187
		Valor máximo de la envolvente	13.851	29.917	0.204	3.515	0.140	2.134
N159	Desplazamientos	Valor mínimo de la envolvente	-14.117	-31.159	-2.056	-3.692	-0.256	-2.248
		Valor máximo de la envolvente	13.860	30.924	0.263	3.992	0.185	2.185
N160	Desplazamientos	Valor mínimo de la envolvente	-14.102	-32.096	-2.176	-4.191	-0.163	-2.276
		Valor máximo de la envolvente	13.866	31.863	0.408	4.506	0.235	2.224
N161	Desplazamientos	Valor mínimo de la envolvente	-14.081	-32.966	-2.241	-4.582	-0.164	-2.314
		Valor máximo de la envolvente	13.866	32.727	0.511	4.930	0.343	2.259
N162	Desplazamientos	Valor mínimo de la envolvente	-14.026	-33.753	-2.283	-5.045	-0.195	-2.304
		Valor máximo de la envolvente	13.868	33.502	0.677	5.374	0.394	2.270
N163	Desplazamientos	Valor mínimo de la envolvente	-13.970	-34.467	-2.290	-5.341	-0.220	-2.313
		Valor máximo de la envolvente	13.862	34.196	0.769	5.672	0.438	2.286
N164	Desplazamientos	Valor mínimo de la envolvente	-13.890	-35.063	-2.303	-5.616	-0.316	-2.269
		Valor máximo de la envolvente	13.861	34.771	0.896	5.908	0.326	2.272
N165	Desplazamientos	Valor mínimo de la envolvente	-13.839	-27.659	-1.374	-2.273	-0.077	-2.041
		Valor máximo de la envolvente	13.950	27.397	0.133	2.297	0.455	2.032
N166	Desplazamientos	Valor mínimo de la envolvente	-13.860	-28.760	-1.626	-2.740	-0.076	-2.069
		Valor máximo de la envolvente	14.021	28.500	0.125	2.851	0.463	2.097
N167	Desplazamientos	Valor mínimo de la envolvente	-13.877	-29.846	-1.843	-3.230	-0.141	-2.124
		Valor máximo de la envolvente	14.058	29.592	0.202	3.400	0.363	2.166
N168	Desplazamientos	Valor mínimo de la envolvente	-13.886	-30.897	-2.012	-3.653	-0.186	-2.174
		Valor máximo de la envolvente	14.079	30.646	0.265	3.898	0.266	2.228
N169	Desplazamientos	Valor mínimo de la envolvente	-13.892	-31.883	-2.137	-4.158	-0.227	-2.214
		Valor máximo de la envolvente	14.064	31.634	0.409	4.428	0.169	2.263
N170	Desplazamientos	Valor mínimo de la envolvente	-13.892	-32.805	-2.212	-4.559	-0.333	-2.250

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	14.044	32.551	0.512	4.872	0.172	2.304
N171	Desplazamientos	Valor mínimo de la envolvente	-13.893	-33.645	-2.263	-5.029	-0.383	-2.264
		Valor máximo de la envolvente	13.990	33.384	0.678	5.334	0.201	2.300
N172	Desplazamientos	Valor mínimo de la envolvente	-13.887	-34.417	-2.280	-5.334	-0.425	-2.282
		Valor máximo de la envolvente	13.936	34.143	0.770	5.654	0.227	2.312
N173	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N174	Desplazamientos	Valor mínimo de la envolvente	-0.822	-0.633	-0.295	-1.426	-1.328	-0.306
		Valor máximo de la envolvente	0.773	0.629	0.288	1.437	1.257	0.303
N175	Desplazamientos	Valor mínimo de la envolvente	-1.688	-1.793	-0.500	-1.954	-1.729	-0.712
		Valor máximo de la envolvente	1.596	1.779	0.490	1.970	1.657	0.710
N176	Desplazamientos	Valor mínimo de la envolvente	-2.983	-3.257	-0.689	-2.602	-2.303	-0.713
		Valor máximo de la envolvente	2.840	3.232	0.677	2.624	2.213	0.706
N177	Desplazamientos	Valor mínimo de la envolvente	-4.459	-5.062	-0.816	-2.962	-2.632	-1.013
		Valor máximo de la envolvente	4.257	5.021	0.806	2.987	2.540	1.005
N178	Desplazamientos	Valor mínimo de la envolvente	-6.174	-7.092	-0.926	-3.450	-2.841	-1.080
		Valor máximo de la envolvente	5.919	7.036	0.919	3.478	2.758	1.067
N179	Desplazamientos	Valor mínimo de la envolvente	-7.884	-9.351	-0.973	-3.644	-2.841	-1.318
		Valor máximo de la envolvente	7.579	9.275	0.974	3.675	2.778	1.304
N180	Desplazamientos	Valor mínimo de la envolvente	-9.616	-11.746	-1.004	-3.969	-2.704	-1.540
		Valor máximo de la envolvente	9.281	11.651	1.014	4.003	2.671	1.522
N181	Desplazamientos	Valor mínimo de la envolvente	-11.143	-14.265	-0.976	-4.006	-2.361	-1.736
		Valor máximo de la envolvente	10.796	14.149	0.998	4.041	2.374	1.716
N182	Desplazamientos	Valor mínimo de la envolvente	-12.484	-16.817	-0.933	-4.111	-1.944	-2.054
		Valor máximo de la envolvente	12.159	16.678	0.969	4.147	2.006	2.031
N183	Desplazamientos	Valor mínimo de la envolvente	-13.413	-19.291	-0.849	-3.870	-1.111	-2.323
		Valor máximo de la envolvente	13.145	19.130	0.901	3.905	1.265	2.299
N184	Desplazamientos	Valor mínimo de la envolvente	-13.704	-21.215	-0.787	-3.750	-0.787	-2.425
		Valor máximo de la envolvente	13.553	21.038	0.850	3.784	1.000	2.401
N185	Desplazamientos	Valor mínimo de la envolvente	-13.654	-22.192	-0.702	-3.600	-0.628	-2.457
		Valor máximo de la envolvente	13.511	22.004	0.696	3.634	0.844	2.431
N186	Desplazamientos	Valor mínimo de la envolvente	-13.564	-23.675	-0.630	-3.047	-0.138	-2.449
		Valor máximo de la envolvente	13.436	23.471	0.508	3.082	0.394	2.422
N187	Desplazamientos	Valor mínimo de la envolvente	-13.534	-24.985	-0.558	-2.216	-0.007	-2.157
		Valor máximo de la envolvente	13.465	24.762	0.271	2.256	0.396	2.130
N188	Desplazamientos	Valor mínimo de la envolvente	-13.510	-25.914	-0.661	-1.302	-0.118	-2.025
		Valor máximo de la envolvente	13.506	25.675	0.099	1.364	0.810	2.014
N189	Desplazamientos	Valor mínimo de la envolvente	-13.723	-26.524	-0.828	-1.444	-0.111	-1.923
		Valor máximo de la envolvente	13.762	26.278	-0.059	1.529	1.011	1.904
N190	Desplazamientos	Valor mínimo de la envolvente	-13.506	-28.167	-1.561	-1.531	0.809	-3.425
		Valor máximo de la envolvente	13.677	27.900	-0.328	1.645	1.524	3.388
N191	Desplazamientos	Valor mínimo de la envolvente	-13.408	-30.633	-2.463	-1.628	0.840	-3.553
		Valor máximo de la envolvente	13.737	30.335	-0.824	1.822	1.490	3.525
N192	Desplazamientos	Valor mínimo de la envolvente	-13.357	-32.927	-3.287	-1.645	0.989	-3.149
		Valor máximo de la envolvente	13.712	32.602	-1.426	1.915	1.573	3.123
N193	Desplazamientos	Valor mínimo de la envolvente	-13.342	-34.975	-4.077	-1.730	0.837	-2.863
		Valor máximo de la envolvente	13.718	34.630	-2.071	2.053	1.452	2.849
N194	Desplazamientos	Valor mínimo de la envolvente	-13.343	-36.688	-4.901	-1.605	0.612	-2.245
		Valor máximo de la envolvente	13.650	36.336	-2.694	1.941	1.235	2.240

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N195	Desplazamientos	Valor mínimo de la envolvente	-13.381	-38.002	-5.573	-1.758	0.340	-2.353
		Valor máximo de la envolvente	13.615	37.649	-3.249	2.078	0.990	2.353
N196	Desplazamientos	Valor mínimo de la envolvente	-13.432	-38.799	-5.985	-1.536	0.038	-2.401
		Valor máximo de la envolvente	13.543	38.451	-3.671	1.833	0.680	2.405
N197	Desplazamientos	Valor mínimo de la envolvente	-13.437	-39.149	-6.155	-1.787	-0.255	-2.437
		Valor máximo de la envolvente	13.423	38.808	-3.810	2.058	0.300	2.443
N198	Desplazamientos	Valor mínimo de la envolvente	-13.515	-38.903	-6.022	-1.537	-0.629	-2.399
		Valor máximo de la envolvente	13.375	38.570	-3.713	1.779	-0.004	2.408
N199	Desplazamientos	Valor mínimo de la envolvente	-13.593	-38.202	-5.645	-1.769	-0.949	-2.343
		Valor máximo de la envolvente	13.328	37.879	-3.317	1.984	-0.309	2.354
N200	Desplazamientos	Valor mínimo de la envolvente	-13.648	-36.950	-5.000	-1.556	-1.232	-2.234
		Valor máximo de la envolvente	13.301	36.639	-2.771	1.742	-0.573	2.247
N201	Desplazamientos	Valor mínimo de la envolvente	-13.722	-35.323	-4.186	-1.736	-1.455	-2.765
		Valor máximo de la envolvente	13.298	35.025	-2.143	1.894	-0.824	2.780
N202	Desplazamientos	Valor mínimo de la envolvente	-13.725	-33.293	-3.369	-1.615	-1.605	-3.081
		Valor máximo de la envolvente	13.316	33.008	-1.486	1.744	-1.009	3.099
N203	Desplazamientos	Valor mínimo de la envolvente	-13.762	-31.046	-2.523	-1.654	-1.534	-3.529
		Valor máximo de la envolvente	13.373	30.776	-0.872	1.757	-0.866	3.548
N204	Desplazamientos	Valor mínimo de la envolvente	-13.707	-28.563	-1.594	-1.588	-1.581	-3.396
		Valor máximo de la envolvente	13.480	28.311	-0.354	1.666	-0.843	3.420
N205	Desplazamientos	Valor mínimo de la envolvente	-13.790	-26.944	-0.846	-1.486	-1.022	-1.933
		Valor máximo de la envolvente	13.688	26.701	-0.061	1.565	0.098	1.928
N206	Desplazamientos	Valor mínimo de la envolvente	-13.538	-26.360	-0.675	-1.347	-0.822	-2.023
		Valor máximo de la envolvente	13.481	26.119	0.103	1.410	0.108	2.028
N207	Desplazamientos	Valor mínimo de la envolvente	-13.489	-25.464	-0.570	-2.294	-0.408	-2.127
		Valor máximo de la envolvente	13.506	25.235	0.280	2.338	0.007	2.150
N208	Desplazamientos	Valor mínimo de la envolvente	-13.459	-24.181	-0.643	-3.127	-0.402	-2.414
		Valor máximo de la envolvente	13.539	23.967	0.523	3.166	0.142	2.437
N209	Desplazamientos	Valor mínimo de la envolvente	-13.535	-22.685	-0.719	-3.707	-0.856	-2.446
		Valor máximo de la envolvente	13.630	22.484	0.716	3.744	0.635	2.468
N210	Desplazamientos	Valor mínimo de la envolvente	-13.577	-21.705	-0.779	-3.861	-1.016	-2.399
		Valor máximo de la envolvente	13.680	21.512	0.849	3.898	0.796	2.420
N211	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N212	Desplazamientos	Valor mínimo de la envolvente	-0.768	-0.649	-0.289	-1.456	-1.247	-0.288
		Valor máximo de la envolvente	0.815	0.644	0.284	1.469	1.315	0.290
N213	Desplazamientos	Valor mínimo de la envolvente	-1.584	-1.832	-0.490	-1.987	-1.644	-0.671
		Valor máximo de la envolvente	1.672	1.817	0.482	2.004	1.710	0.672
N214	Desplazamientos	Valor mínimo de la envolvente	-2.818	-3.317	-0.676	-2.637	-2.199	-0.666
		Valor máximo de la envolvente	2.953	3.289	0.667	2.660	2.282	0.672
N215	Desplazamientos	Valor mínimo de la envolvente	-4.228	-5.146	-0.801	-3.008	-2.530	-0.956
		Valor máximo de la envolvente	4.417	5.103	0.795	3.035	2.613	0.963
N216	Desplazamientos	Valor mínimo de la envolvente	-5.884	-7.210	-0.911	-3.512	-2.749	-1.042
		Valor máximo de la envolvente	6.121	7.149	0.908	3.543	2.824	1.052
N217	Desplazamientos	Valor mínimo de la envolvente	-7.540	-9.515	-0.960	-3.725	-2.776	-1.269
		Valor máximo de la envolvente	7.821	9.434	0.966	3.758	2.830	1.280
N218	Desplazamientos	Valor mínimo de la envolvente	-9.243	-11.969	-0.993	-4.067	-2.686	-1.516
		Valor máximo de la envolvente	9.548	11.867	1.008	4.103	2.709	1.531
N219	Desplazamientos	Valor mínimo de la envolvente	-10.775	-14.555	-0.967	-4.109	-2.406	-1.707

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	11.087	14.429	0.995	4.147	2.383	1.723
N220	Desplazamientos	Valor mínimo de la envolvente	-12.160	-17.176	-0.926	-4.219	-2.040	-2.025
		Valor máximo de la envolvente	12.443	17.026	0.967	4.258	1.970	2.045
N221	Desplazamientos	Valor mínimo de la envolvente	-13.164	-19.720	-0.842	-3.980	-1.286	-2.289
		Valor máximo de la envolvente	13.387	19.547	0.900	4.019	1.126	2.309
N222	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N223	Desplazamientos	Valor mínimo de la envolvente	-0.758	-0.703	-0.160	-1.361	-1.232	-0.311
		Valor máximo de la envolvente	0.805	0.698	0.169	1.373	1.299	0.313
N224	Desplazamientos	Valor mínimo de la envolvente	-1.579	-1.904	-0.281	-2.135	-1.652	-0.681
		Valor máximo de la envolvente	1.667	1.888	0.299	2.154	1.721	0.682
N225	Desplazamientos	Valor mínimo de la envolvente	-2.814	-3.519	-0.391	-2.601	-2.188	-0.677
		Valor máximo de la envolvente	2.949	3.490	0.412	2.624	2.272	0.682
N226	Desplazamientos	Valor mínimo de la envolvente	-4.225	-5.416	-0.483	-3.176	-2.538	-0.966
		Valor máximo de la envolvente	4.414	5.371	0.507	3.204	2.624	0.973
N227	Desplazamientos	Valor mínimo de la envolvente	-5.881	-7.610	-0.562	-3.480	-2.738	-1.030
		Valor máximo de la envolvente	6.118	7.545	0.586	3.511	2.814	1.040
N228	Desplazamientos	Valor mínimo de la envolvente	-7.537	-9.996	-0.623	-3.893	-2.784	-1.275
		Valor máximo de la envolvente	7.819	9.911	0.647	3.928	2.840	1.286
N229	Desplazamientos	Valor mínimo de la envolvente	-9.242	-12.570	-0.671	-4.036	-2.676	-1.509
		Valor máximo de la envolvente	9.546	12.462	0.691	4.073	2.700	1.524
N230	Desplazamientos	Valor mínimo de la envolvente	-10.773	-15.249	-0.701	-4.287	-2.410	-1.704
		Valor máximo de la envolvente	11.085	15.117	0.717	4.326	2.388	1.721
N231	Desplazamientos	Valor mínimo de la envolvente	-12.162	-18.010	-0.718	-4.278	-2.064	-2.038
		Valor máximo de la envolvente	12.446	17.854	0.727	4.318	1.999	2.057
N232	Desplazamientos	Valor mínimo de la envolvente	-13.169	-20.722	-0.717	-4.027	-1.069	-2.607
		Valor máximo de la envolvente	13.393	20.540	0.717	4.066	0.880	2.629
N233	Desplazamientos	Valor mínimo de la envolvente	-13.420	-20.290	-0.701	-3.911	-0.869	-2.599
		Valor máximo de la envolvente	13.151	20.120	0.697	3.947	1.052	2.573
N234	Desplazamientos	Valor mínimo de la envolvente	-13.499	-22.121	-0.632	-3.045	-0.138	-2.801
		Valor máximo de la envolvente	13.197	21.934	0.506	3.080	0.396	2.773
N235	Desplazamientos	Valor mínimo de la envolvente	-13.570	-23.965	-0.559	-2.167	0.021	-2.727
		Valor máximo de la envolvente	13.233	23.763	0.276	2.204	0.354	2.702
N236	Desplazamientos	Valor mínimo de la envolvente	-13.586	-25.614	-0.703	-1.649	-0.325	-2.005
		Valor máximo de la envolvente	13.150	25.397	0.149	1.683	1.056	1.977
N237	Desplazamientos	Valor mínimo de la envolvente	-13.858	-26.102	-0.843	-1.615	-0.307	-2.002
		Valor máximo de la envolvente	13.359	25.878	0.000	1.646	1.331	1.953
N238	Desplazamientos	Valor mínimo de la envolvente	-13.852	-27.598	-1.561	-1.506	0.709	-3.015
		Valor máximo de la envolvente	13.190	27.381	-0.340	1.612	1.341	3.020
N239	Desplazamientos	Valor mínimo de la envolvente	-13.888	-29.752	-2.462	-1.622	0.860	-3.211
		Valor máximo de la envolvente	13.196	29.548	-0.828	1.814	1.530	3.214
N240	Desplazamientos	Valor mínimo de la envolvente	-13.922	-31.949	-3.283	-1.630	0.968	-3.243
		Valor máximo de la envolvente	13.205	31.755	-1.425	1.900	1.540	3.241
N241	Desplazamientos	Valor mínimo de la envolvente	-13.910	-33.981	-4.076	-1.692	0.842	-2.731
		Valor máximo de la envolvente	13.276	33.794	-2.071	2.023	1.463	2.728
N242	Desplazamientos	Valor mínimo de la envolvente	-13.867	-35.681	-4.897	-1.579	0.619	-2.323
		Valor máximo de la envolvente	13.322	35.493	-2.691	1.914	1.240	2.318
N243	Desplazamientos	Valor mínimo de la envolvente	-13.809	-37.015	-5.575	-1.715	0.339	-2.303
		Valor máximo de la envolvente	13.424	36.820	-3.251	2.035	0.995	2.295

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N244	Desplazamientos	Valor mínimo de la envolvente	-13.729	-37.865	-5.981	-1.497	0.039	-2.396
		Valor máximo de la envolvente	13.507	37.664	-3.669	1.793	0.676	2.391
N245	Desplazamientos	Valor mínimo de la envolvente	-13.576	-38.159	-6.157	-1.746	-0.257	-2.392
		Valor máximo de la envolvente	13.543	37.951	-3.820	2.017	0.302	2.388
N246	Desplazamientos	Valor mínimo de la envolvente	-13.493	-37.995	-6.018	-1.498	-0.625	-2.386
		Valor máximo de la envolvente	13.649	37.782	-3.710	1.741	-0.004	2.386
N247	Desplazamientos	Valor mínimo de la envolvente	-13.413	-37.245	-5.647	-1.732	-0.956	-2.303
		Valor máximo de la envolvente	13.737	37.028	-3.318	1.947	-0.310	2.304
N248	Desplazamientos	Valor mínimo de la envolvente	-13.332	-36.067	-4.996	-1.524	-1.223	-2.209
		Valor máximo de la envolvente	13.822	35.847	-2.769	1.710	-0.569	2.213
N249	Desplazamientos	Valor mínimo de la envolvente	-13.280	-34.395	-4.187	-1.708	-1.466	-2.654
		Valor máximo de la envolvente	13.867	34.174	-2.145	1.866	-0.829	2.658
N250	Desplazamientos	Valor mínimo de la envolvente	-13.204	-32.421	-3.365	-1.596	-1.588	-3.190
		Valor máximo de la envolvente	13.884	32.200	-1.485	1.726	-0.999	3.197
N251	Desplazamientos	Valor mínimo de la envolvente	-13.202	-30.204	-2.523	-1.643	-1.573	-3.261
		Valor máximo de la envolvente	13.860	29.983	-0.874	1.745	-0.886	3.268
N252	Desplazamientos	Valor mínimo de la envolvente	-13.203	-27.974	-1.595	-1.576	-1.388	-3.028
		Valor máximo de la envolvente	13.833	27.753	-0.366	1.645	-0.738	3.026
N253	Desplazamientos	Valor mínimo de la envolvente	-13.371	-26.508	-0.861	-1.667	-1.352	-1.968
		Valor máximo de la envolvente	13.834	26.285	-0.002	1.698	0.292	2.012
N254	Desplazamientos	Valor mínimo de la envolvente	-13.168	-26.042	-0.718	-1.701	-1.070	-1.978
		Valor máximo de la envolvente	13.565	25.824	0.154	1.736	0.314	1.998
N255	Desplazamientos	Valor mínimo de la envolvente	-13.253	-24.394	-0.570	-2.250	-0.363	-2.659
		Valor máximo de la envolvente	13.547	24.187	0.285	2.290	-0.024	2.680
N256	Desplazamientos	Valor mínimo de la envolvente	-13.216	-22.603	-0.645	-3.113	-0.405	-2.766
		Valor máximo de la envolvente	13.475	22.409	0.521	3.152	0.142	2.789
N257	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N258	Desplazamientos	Valor mínimo de la envolvente	-0.812	-0.685	-0.158	-1.330	-1.312	-0.326
		Valor máximo de la envolvente	0.763	0.680	0.167	1.341	1.242	0.323
N259	Desplazamientos	Valor mínimo de la envolvente	-1.684	-1.861	-0.278	-2.101	-1.740	-0.725
		Valor máximo de la envolvente	1.591	1.845	0.296	2.119	1.665	0.722
N260	Desplazamientos	Valor mínimo de la envolvente	-2.979	-3.457	-0.387	-2.568	-2.293	-0.724
		Valor máximo de la envolvente	2.836	3.429	0.407	2.590	2.202	0.717
N261	Desplazamientos	Valor mínimo de la envolvente	-4.456	-5.332	-0.477	-3.132	-2.643	-1.024
		Valor máximo de la envolvente	4.254	5.288	0.501	3.158	2.549	1.016
N262	Desplazamientos	Valor mínimo de la envolvente	-6.172	-7.493	-0.554	-3.421	-2.831	-1.085
		Valor máximo de la envolvente	5.916	7.432	0.577	3.450	2.746	1.073
N263	Desplazamientos	Valor mínimo de la envolvente	-7.882	-9.837	-0.613	-3.812	-2.852	-1.324
		Valor máximo de la envolvente	7.577	9.756	0.636	3.844	2.786	1.310
N264	Desplazamientos	Valor mínimo de la envolvente	-9.614	-12.351	-0.659	-3.940	-2.695	-1.533
		Valor máximo de la envolvente	9.279	12.249	0.677	3.975	2.661	1.515
N265	Desplazamientos	Valor mínimo de la envolvente	-11.142	-14.964	-0.687	-4.180	-2.366	-1.733
		Valor máximo de la envolvente	10.794	14.840	0.701	4.217	2.377	1.713
N266	Desplazamientos	Valor mínimo de la envolvente	-12.486	-17.654	-0.702	-4.168	-1.973	-2.064
		Valor máximo de la envolvente	12.161	17.507	0.708	4.204	2.030	2.041
N267	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N268	Desplazamientos	Valor mínimo de la envolvente	-0.972	-1.219	-0.299	-2.478	-1.536	-0.321

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	0.807	1.213	0.188	2.494	1.383	0.316
N269	Desplazamientos	Valor mínimo de la envolvente	-1.957	-3.222	-0.501	-3.125	-1.914	-0.705
		Valor máximo de la envolvente	1.717	3.203	0.305	3.147	1.637	0.700
N270	Desplazamientos	Valor mínimo de la envolvente	-3.377	-5.622	-0.675	-3.998	-2.526	-0.784
		Valor máximo de la envolvente	2.877	5.587	0.396	4.027	2.207	0.771
N271	Desplazamientos	Valor mínimo de la envolvente	-4.998	-8.402	-0.788	-4.256	-2.840	-1.055
		Valor máximo de la envolvente	4.366	8.347	0.445	4.290	2.525	1.040
N272	Desplazamientos	Valor mínimo de la envolvente	-6.825	-11.392	-0.876	-4.781	-3.000	-1.204
		Valor máximo de la envolvente	5.938	11.315	0.469	4.820	2.733	1.183
N273	Desplazamientos	Valor mínimo de la envolvente	-8.617	-14.527	-0.915	-4.679	-2.904	-1.427
		Valor máximo de la envolvente	7.657	14.425	0.464	4.721	2.737	1.403
N274	Desplazamientos	Valor mínimo de la envolvente	-10.348	-17.675	-0.922	-4.838	-2.651	-1.644
		Valor máximo de la envolvente	9.250	17.547	0.428	4.883	2.628	1.615
N275	Desplazamientos	Valor mínimo de la envolvente	-11.816	-20.711	-0.883	-4.341	-2.172	-1.790
		Valor máximo de la envolvente	10.820	20.554	0.363	4.387	2.334	1.759
N276	Desplazamientos	Valor mínimo de la envolvente	-12.975	-23.524	-0.814	-4.102	-1.622	-1.994
		Valor máximo de la envolvente	12.073	23.337	0.270	4.151	2.065	1.962
N277	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N278	Desplazamientos	Valor mínimo de la envolvente	-0.979	-1.220	-0.250	-2.229	-1.514	-0.345
		Valor máximo de la envolvente	0.817	1.212	0.197	2.245	1.333	0.340
N279	Desplazamientos	Valor mínimo de la envolvente	-1.990	-3.197	-0.433	-3.369	-1.927	-0.715
		Valor máximo de la envolvente	1.753	3.176	0.332	3.393	1.650	0.710
N280	Desplazamientos	Valor mínimo de la envolvente	-3.436	-5.717	-0.591	-3.832	-2.514	-0.790
		Valor máximo de la envolvente	2.941	5.678	0.426	3.861	2.196	0.778
N281	Desplazamientos	Valor mínimo de la envolvente	-5.087	-8.550	-0.713	-4.533	-2.853	-1.061
		Valor máximo de la envolvente	4.459	8.490	0.482	4.569	2.533	1.047
N282	Desplazamientos	Valor mínimo de la envolvente	-6.947	-11.649	-0.810	-4.621	-2.987	-1.208
		Valor máximo de la envolvente	6.064	11.565	0.497	4.660	2.722	1.187
N283	Desplazamientos	Valor mínimo de la envolvente	-8.770	-14.863	-0.872	-4.951	-2.917	-1.428
		Valor máximo de la envolvente	7.814	14.752	0.474	4.995	2.745	1.404
N284	Desplazamientos	Valor mínimo de la envolvente	-10.536	-18.091	-0.908	-4.679	-2.639	-1.642
		Valor máximo de la envolvente	9.442	17.951	0.409	4.725	2.615	1.612
N285	Desplazamientos	Valor mínimo de la envolvente	-12.027	-21.227	-0.910	-4.604	-2.185	-1.785
		Valor máximo de la envolvente	11.035	21.057	0.309	4.651	2.358	1.753
N286	Desplazamientos	Valor mínimo de la envolvente	-13.218	-24.087	-0.890	-3.899	-1.609	-2.014
		Valor máximo de la envolvente	12.317	23.888	0.169	3.948	1.949	1.979
N287	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N288	Desplazamientos	Valor mínimo de la envolvente	-0.802	-1.233	-0.304	-2.500	-1.378	-0.304
		Valor máximo de la envolvente	0.969	1.227	0.190	2.516	1.531	0.308
N289	Desplazamientos	Valor mínimo de la envolvente	-1.709	-3.250	-0.509	-3.148	-1.630	-0.678
		Valor máximo de la envolvente	1.951	3.231	0.310	3.170	1.907	0.682
N290	Desplazamientos	Valor mínimo de la envolvente	-2.864	-5.666	-0.680	-4.031	-2.200	-0.752
		Valor máximo de la envolvente	3.366	5.631	0.397	4.060	2.519	0.761
N291	Desplazamientos	Valor mínimo de la envolvente	-4.350	-8.471	-0.802	-4.300	-2.520	-1.023
		Valor máximo de la envolvente	4.983	8.417	0.453	4.334	2.833	1.034
N292	Desplazamientos	Valor mínimo de la envolvente	-5.918	-11.494	-0.892	-4.840	-2.731	-1.169
		Valor máximo de la envolvente	6.806	11.417	0.479	4.879	2.994	1.186

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N293	Desplazamientos	Valor mínimo de la envolvente	-7.639	-14.672	-0.933	-4.754	-2.743	-1.393
		Valor máximo de la envolvente	8.595	14.570	0.474	4.796	2.904	1.411
N294	Desplazamientos	Valor mínimo de la envolvente	-9.239	-17.878	-0.942	-4.944	-2.641	-1.593
		Valor máximo de la envolvente	10.329	17.749	0.438	4.990	2.655	1.616
N295	Desplazamientos	Valor mínimo de la envolvente	-10.817	-20.994	-0.903	-4.457	-2.351	-1.749
		Valor máximo de la envolvente	11.799	20.836	0.373	4.504	2.175	1.772
N296	Desplazamientos	Valor mínimo de la envolvente	-12.080	-23.889	-0.832	-4.219	-2.085	-1.957
		Valor máximo de la envolvente	12.959	23.700	0.277	4.270	1.623	1.981
N297	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N298	Desplazamientos	Valor mínimo de la envolvente	-0.812	-1.238	-0.251	-2.252	-1.327	-0.327
		Valor máximo de la envolvente	0.975	1.231	0.196	2.267	1.509	0.330
N299	Desplazamientos	Valor mínimo de la envolvente	-1.743	-3.225	-0.436	-3.389	-1.643	-0.688
		Valor máximo de la envolvente	1.981	3.205	0.332	3.412	1.921	0.691
N300	Desplazamientos	Valor mínimo de la envolvente	-2.924	-5.760	-0.595	-3.864	-2.189	-0.759
		Valor máximo de la envolvente	3.422	5.721	0.425	3.893	2.507	0.768
N301	Desplazamientos	Valor mínimo de la envolvente	-4.438	-8.614	-0.720	-4.575	-2.529	-1.029
		Valor máximo de la envolvente	5.067	8.555	0.482	4.611	2.847	1.040
N302	Desplazamientos	Valor mínimo de la envolvente	-6.039	-11.744	-0.820	-4.676	-2.720	-1.173
		Valor máximo de la envolvente	6.923	11.661	0.497	4.715	2.982	1.189
N303	Desplazamientos	Valor mínimo de la envolvente	-7.789	-14.996	-0.884	-5.030	-2.751	-1.394
		Valor máximo de la envolvente	8.742	14.887	0.475	5.073	2.917	1.412
N304	Desplazamientos	Valor mínimo de la envolvente	-9.424	-18.285	-0.923	-4.780	-2.628	-1.593
		Valor máximo de la envolvente	10.511	18.146	0.411	4.826	2.643	1.616
N305	Desplazamientos	Valor mínimo de la envolvente	-11.027	-21.496	-0.927	-4.723	-2.375	-1.743
		Valor máximo de la envolvente	12.004	21.328	0.311	4.771	2.188	1.767
N306	Desplazamientos	Valor mínimo de la envolvente	-12.319	-24.433	-0.908	-4.007	-1.966	-1.974
		Valor máximo de la envolvente	13.197	24.236	0.169	4.057	1.611	2.001
N307	Desplazamientos	Valor mínimo de la envolvente	-13.522	-26.502	-0.659	-	-	-
		Valor máximo de la envolvente	13.758	26.235	0.075	-	-	-
N308	Desplazamientos	Valor mínimo de la envolvente	-13.797	-27.191	-0.795	-2.282	-0.175	-2.010
		Valor máximo de la envolvente	14.063	26.916	-0.040	2.324	0.821	1.988
N309	Desplazamientos	Valor mínimo de la envolvente	-13.668	-28.423	-1.127	-2.505	-0.062	-2.025
		Valor máximo de la envolvente	13.952	28.130	-0.035	2.324	0.574	1.998
N310	Desplazamientos	Valor mínimo de la envolvente	-13.612	-29.749	-1.391	-2.786	-0.065	-2.084
		Valor máximo de la envolvente	13.885	29.440	-0.026	2.890	0.389	2.073
N311	Desplazamientos	Valor mínimo de la envolvente	-13.614	-31.054	-1.521	-	-	-
		Valor máximo de la envolvente	13.852	30.729	-0.020	-	-	-
N312	Desplazamientos	Valor mínimo de la envolvente	-13.588	-32.315	-1.576	-3.688	-0.151	-2.200
		Valor máximo de la envolvente	13.791	31.979	-0.059	3.939	0.200	2.233
N313	Desplazamientos	Valor mínimo de la envolvente	-13.593	-33.519	-1.635	-	-	-
		Valor máximo de la envolvente	13.737	33.172	0.026	-	-	-
N314	Desplazamientos	Valor mínimo de la envolvente	-13.570	-34.633	-1.688	-4.595	-0.303	-2.277
		Valor máximo de la envolvente	13.666	34.277	0.113	4.912	0.134	2.318
N315	Desplazamientos	Valor mínimo de la envolvente	-13.573	-35.667	-1.728	-	-	-
		Valor máximo de la envolvente	13.607	35.300	0.267	-	-	-
N316	Desplazamientos	Valor mínimo de la envolvente	-13.551	-36.581	-1.736	-5.362	-0.356	-2.302
		Valor máximo de la envolvente	13.555	36.204	0.353	5.683	0.210	2.332
N317	Desplazamientos	Valor mínimo de la envolvente	-13.482	-37.429	-1.761	-	-	-

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	13.456	37.030	0.465	-	-	-
N318	Desplazamientos	Valor mínimo de la envolvente	-13.793	-26.965	-0.673	-	-	-
		Valor máximo de la envolvente	13.497	26.696	0.077	-	-	-
N319	Desplazamientos	Valor mínimo de la envolvente	-14.093	-27.639	-0.812	-2.338	-0.825	-2.002
		Valor máximo de la envolvente	13.766	27.364	-0.042	2.412	0.167	2.012
N320	Desplazamientos	Valor mínimo de la envolvente	-13.986	-28.855	-1.137	-	-	-
		Valor máximo de la envolvente	13.643	28.557	-0.044	-	-	-
N321	Desplazamientos	Valor mínimo de la envolvente	-13.916	-30.147	-1.401	-2.841	-0.391	-2.113
		Valor máximo de la envolvente	13.585	29.836	-0.038	3.038	0.063	2.089
N322	Desplazamientos	Valor mínimo de la envolvente	-13.883	-31.404	-1.532	-	-	-
		Valor máximo de la envolvente	13.585	31.080	-0.033	-	-	-
N323	Desplazamientos	Valor mínimo de la envolvente	-13.820	-32.613	-1.587	-3.727	-0.202	-2.256
		Valor máximo de la envolvente	13.558	32.279	-0.072	4.033	0.155	2.212
N324	Desplazamientos	Valor mínimo de la envolvente	-13.762	-33.763	-1.652	-	-	-
		Valor máximo de la envolvente	13.561	33.417	0.020	-	-	-
N325	Desplazamientos	Valor mínimo de la envolvente	-13.688	-34.820	-1.700	-4.618	-0.130	-2.333
		Valor máximo de la envolvente	13.535	34.465	0.107	4.969	0.309	2.286
N326	Desplazamientos	Valor mínimo de la envolvente	-13.622	-35.794	-1.737	-	-	-
		Valor máximo de la envolvente	13.532	35.427	0.263	-	-	-
N327	Desplazamientos	Valor mínimo de la envolvente	-13.551	-36.647	-1.741	-5.369	-0.204	-2.337
		Valor máximo de la envolvente	13.493	36.270	0.350	5.701	0.364	2.306
N328	Desplazamientos	Valor mínimo de la envolvente	-13.773	-28.039	-1.192	-2.309	-0.420	-2.056
		Valor máximo de la envolvente	13.597	27.792	-0.039	2.457	0.075	2.017
N329	Desplazamientos	Valor mínimo de la envolvente	-13.792	-29.109	-1.431	-2.773	-0.399	-2.137
		Valor máximo de la envolvente	13.572	28.866	-0.037	2.991	0.050	2.082
N330	Desplazamientos	Valor mínimo de la envolvente	-13.830	-30.151	-1.547	-3.262	-0.305	-2.194
		Valor máximo de la envolvente	13.592	29.915	-0.036	3.551	0.121	2.127
N331	Desplazamientos	Valor mínimo de la envolvente	-13.829	-31.157	-1.588	-3.682	-0.201	-2.254
		Valor máximo de la envolvente	13.581	30.922	-0.078	4.012	0.156	2.189
N332	Desplazamientos	Valor mínimo de la envolvente	-13.823	-32.093	-1.660	-4.175	-0.123	-2.284
		Valor máximo de la envolvente	13.598	31.860	0.029	4.544	0.211	2.217
N333	Desplazamientos	Valor mínimo de la envolvente	-13.786	-32.963	-1.704	-4.573	-0.129	-2.320
		Valor máximo de la envolvente	13.585	32.724	0.118	4.951	0.310	2.262
N334	Desplazamientos	Valor mínimo de la envolvente	-13.743	-33.750	-1.737	-5.030	-0.162	-2.311
		Valor máximo de la envolvente	13.598	33.498	0.272	5.413	0.359	2.263
N335	Desplazamientos	Valor mínimo de la envolvente	-13.672	-34.467	-1.740	-5.333	-0.188	-2.320
		Valor máximo de la envolvente	13.574	34.196	0.357	5.692	0.388	2.289
N336	Desplazamientos	Valor mínimo de la envolvente	-13.593	-35.064	-1.761	-5.602	-0.280	-2.266
		Valor máximo de la envolvente	13.565	34.771	0.478	5.944	0.287	2.269
N337	Desplazamientos	Valor mínimo de la envolvente	-13.626	-27.656	-1.181	-2.251	-0.076	-2.011
		Valor máximo de la envolvente	13.739	27.393	-0.029	2.408	0.430	2.034
N338	Desplazamientos	Valor mínimo de la envolvente	-13.598	-28.761	-1.420	-2.717	-0.053	-2.070
		Valor máximo de la envolvente	13.760	28.500	-0.025	2.877	0.396	2.120
N339	Desplazamientos	Valor mínimo de la envolvente	-13.620	-29.845	-1.536	-3.211	-0.119	-2.117
		Valor máximo de la envolvente	13.798	29.590	-0.023	3.441	0.302	2.171
N340	Desplazamientos	Valor mínimo de la envolvente	-13.612	-30.896	-1.577	-3.643	-0.151	-2.177
		Valor máximo de la envolvente	13.799	30.645	-0.065	3.918	0.198	2.235
N341	Desplazamientos	Valor mínimo de la envolvente	-13.631	-31.882	-1.644	-4.142	-0.206	-2.208
		Valor máximo de la envolvente	13.796	31.632	0.035	4.466	0.125	2.270

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N342	Desplazamientos	Valor mínimo de la envolvente	-13.622	-32.804	-1.692	-4.551	-0.304	-2.253
		Valor máximo de la envolvente	13.762	32.550	0.124	4.893	0.132	2.310
N343	Desplazamientos	Valor mínimo de la envolvente	-13.642	-33.644	-1.728	-5.014	-0.351	-2.257
		Valor máximo de la envolvente	13.728	33.383	0.276	5.374	0.167	2.307
N344	Desplazamientos	Valor mínimo de la envolvente	-13.640	-34.416	-1.736	-5.326	-0.380	-2.285
		Valor máximo de la envolvente	13.680	34.142	0.359	5.674	0.194	2.320
N345	Desplazamientos	Valor mínimo de la envolvente	-7.720	-26.074	-0.484	-1.258	-0.316	-2.108
		Valor máximo de la envolvente	7.616	25.815	0.311	1.382	0.536	2.109
N346	Desplazamientos	Valor mínimo de la envolvente	-7.694	-26.293	-0.531	-1.712	-0.271	-1.994
		Valor máximo de la envolvente	7.591	26.027	0.260	1.827	0.528	2.000
N347	Desplazamientos	Valor mínimo de la envolvente	-7.651	-26.979	-0.564	-1.793	-0.139	-2.009
		Valor máximo de la envolvente	7.569	26.716	0.141	1.918	0.425	2.008
N348	Desplazamientos	Valor mínimo de la envolvente	-7.590	-27.540	-0.775	-1.731	-0.001	-2.061
		Valor máximo de la envolvente	7.537	27.277	0.155	1.859	0.301	2.059
N349	Desplazamientos	Valor mínimo de la envolvente	-7.662	-27.994	-0.912	-1.601	0.097	-2.073
		Valor máximo de la envolvente	7.626	27.729	0.123	1.730	0.200	2.069
N350	Desplazamientos	Valor mínimo de la envolvente	-7.585	-28.411	-0.994	-1.573	0.037	-2.074
		Valor máximo de la envolvente	7.563	28.143	0.016	1.704	0.228	2.071
N351	Desplazamientos	Valor mínimo de la envolvente	-7.538	-28.753	-0.999	-1.497	-0.052	-2.092
		Valor máximo de la envolvente	7.522	28.483	-0.111	1.628	0.269	2.089
N352	Desplazamientos	Valor mínimo de la envolvente	-7.506	-29.011	-0.964	-1.549	-0.132	-2.104
		Valor máximo de la envolvente	7.495	28.739	-0.275	1.680	0.284	2.101
N353	Desplazamientos	Valor mínimo de la envolvente	-7.494	-29.179	-0.894	-1.525	-0.191	-2.111
		Valor máximo de la envolvente	7.485	28.906	-0.399	1.655	0.270	2.109
N354	Desplazamientos	Valor mínimo de la envolvente	-7.464	-29.274	-0.936	-1.599	-0.236	-2.112
		Valor máximo de la envolvente	7.456	29.000	-0.397	1.729	0.236	2.110
N355	Desplazamientos	Valor mínimo de la envolvente	-7.487	-29.280	-0.919	-1.575	-0.267	-2.111
		Valor máximo de la envolvente	7.478	29.004	-0.375	1.705	0.189	2.110
N356	Desplazamientos	Valor mínimo de la envolvente	-7.507	-29.159	-1.015	-1.620	-0.278	-2.106
		Valor máximo de la envolvente	7.499	28.883	-0.223	1.750	0.126	2.106
N357	Desplazamientos	Valor mínimo de la envolvente	-7.535	-28.950	-1.049	-1.574	-0.260	-2.104
		Valor máximo de la envolvente	7.533	28.674	-0.060	1.702	0.043	2.105
N358	Desplazamientos	Valor mínimo de la envolvente	-7.577	-28.675	-1.035	-1.631	-0.216	-2.095
		Valor máximo de la envolvente	7.581	28.400	0.058	1.758	-0.050	2.097
N359	Desplazamientos	Valor mínimo de la envolvente	-7.634	-28.324	-0.948	-1.635	-0.207	-2.079
		Valor máximo de la envolvente	7.655	28.049	0.160	1.760	-0.091	2.082
N360	Desplazamientos	Valor mínimo de la envolvente	-7.572	-27.900	-0.798	-1.767	-0.320	-2.051
		Valor máximo de la envolvente	7.608	27.628	0.178	1.891	0.020	2.053
N361	Desplazamientos	Valor mínimo de la envolvente	-7.606	-27.367	-0.574	-1.831	-0.457	-2.004
		Valor máximo de la envolvente	7.672	27.094	0.152	1.953	0.167	2.002
N362	Desplazamientos	Valor mínimo de la envolvente	-7.629	-26.705	-0.535	-1.741	-0.528	-1.994
		Valor máximo de la envolvente	7.716	26.435	0.268	1.859	0.278	2.008
N363	Desplazamientos	Valor mínimo de la envolvente	-7.654	-26.503	-0.492	-1.288	-0.546	-2.099
		Valor máximo de la envolvente	7.741	26.242	0.321	1.410	0.327	2.101
N364	Desplazamientos	Valor mínimo de la envolvente	-7.558	-25.764	-0.518	-1.659	-0.587	-2.099
		Valor máximo de la envolvente	7.355	25.576	0.346	1.792	0.784	2.087
N365	Desplazamientos	Valor mínimo de la envolvente	-7.555	-25.840	-0.537	-1.655	-0.504	-2.108
		Valor máximo de la envolvente	7.353	25.655	0.290	1.805	0.707	2.097
N366	Desplazamientos	Valor mínimo de la envolvente	-7.581	-26.108	-0.563	-1.720	-0.077	-2.120

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	7.378	25.914	0.142	1.853	0.381	2.112
N367	Desplazamientos	Valor mínimo de la envolvente	-7.592	-26.604	-0.775	-1.718	-0.010	-2.054
		Valor máximo de la envolvente	7.405	26.406	0.156	1.847	0.309	2.050
N368	Desplazamientos	Valor mínimo de la envolvente	-7.719	-27.116	-0.912	-1.598	0.096	-2.038
		Valor máximo de la envolvente	7.547	26.916	0.124	1.728	0.200	2.034
N369	Desplazamientos	Valor mínimo de la envolvente	-7.680	-27.565	-0.994	-1.567	0.037	-2.038
		Valor máximo de la envolvente	7.536	27.363	0.017	1.697	0.230	2.034
N370	Desplazamientos	Valor mínimo de la envolvente	-7.657	-27.938	-0.998	-1.487	-0.051	-2.059
		Valor máximo de la envolvente	7.541	27.733	-0.110	1.618	0.266	2.055
N371	Desplazamientos	Valor mínimo de la envolvente	-7.633	-28.182	-0.963	-1.544	-0.133	-2.075
		Valor máximo de la envolvente	7.552	27.975	-0.274	1.674	0.286	2.072
N372	Desplazamientos	Valor mínimo de la envolvente	-7.618	-28.344	-0.891	-1.519	-0.190	-2.083
		Valor máximo de la envolvente	7.572	28.136	-0.400	1.649	0.268	2.081
N373	Desplazamientos	Valor mínimo de la envolvente	-7.571	-28.419	-0.934	-1.591	-0.237	-2.080
		Valor máximo de la envolvente	7.562	28.209	-0.399	1.721	0.237	2.078
N374	Desplazamientos	Valor mínimo de la envolvente	-7.571	-28.411	-0.918	-1.566	-0.265	-2.083
		Valor máximo de la envolvente	7.600	28.199	-0.374	1.696	0.187	2.082
N375	Desplazamientos	Valor mínimo de la envolvente	-7.559	-28.293	-1.015	-1.612	-0.280	-2.076
		Valor máximo de la envolvente	7.624	28.081	-0.223	1.741	0.128	2.076
N376	Desplazamientos	Valor mínimo de la envolvente	-7.548	-28.091	-1.049	-1.569	-0.258	-2.077
		Valor máximo de la envolvente	7.647	27.878	-0.059	1.698	0.042	2.077
N377	Desplazamientos	Valor mínimo de la envolvente	-7.542	-27.804	-1.035	-1.624	-0.217	-2.069
		Valor máximo de la envolvente	7.670	27.591	0.059	1.751	-0.049	2.070
N378	Desplazamientos	Valor mínimo de la envolvente	-7.548	-27.439	-0.948	-1.626	-0.206	-2.049
		Valor máximo de la envolvente	7.703	27.226	0.161	1.752	-0.090	2.051
N379	Desplazamientos	Valor mínimo de la envolvente	-7.430	-26.967	-0.798	-1.754	-0.330	-2.040
		Valor máximo de la envolvente	7.602	26.756	0.178	1.879	0.030	2.045
N380	Desplazamientos	Valor mínimo de la envolvente	-7.405	-26.497	-0.573	-1.757	-0.401	-2.101
		Valor máximo de la envolvente	7.592	26.292	0.154	1.886	0.096	2.117
N381	Desplazamientos	Valor mínimo de la envolvente	-7.381	-26.256	-0.543	-1.697	-0.724	-2.087
		Valor máximo de la envolvente	7.567	26.070	0.297	1.845	0.519	2.102
N382	Desplazamientos	Valor mínimo de la envolvente	-7.383	-26.204	-0.529	-1.697	-0.798	-2.072
		Valor máximo de la envolvente	7.570	26.015	0.357	1.827	0.600	2.087
N383	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N384	Desplazamientos	Valor mínimo de la envolvente	-0.482	-1.218	-0.250	-2.474	-0.776	-0.332
		Valor máximo de la envolvente	0.435	1.224	0.216	2.469	0.733	0.331
N385	Desplazamientos	Valor mínimo de la envolvente	-0.988	-3.206	-0.416	-3.117	-0.974	-0.724
		Valor máximo de la envolvente	0.919	3.216	0.357	3.118	0.892	0.725
N386	Desplazamientos	Valor mínimo de la envolvente	-1.708	-5.589	-0.550	-3.987	-1.295	-0.812
		Valor máximo de la envolvente	1.562	5.600	0.465	3.993	1.200	0.808
N387	Desplazamientos	Valor mínimo de la envolvente	-2.549	-8.361	-0.645	-4.259	-1.482	-1.094
		Valor máximo de la envolvente	2.363	8.368	0.541	4.275	1.385	1.092
N388	Desplazamientos	Valor mínimo de la envolvente	-3.508	-11.348	-0.709	-4.788	-1.591	-1.265
		Valor máximo de la envolvente	3.244	11.345	0.585	4.813	1.507	1.256
N389	Desplazamientos	Valor mínimo de la envolvente	-4.472	-14.497	-0.736	-4.720	-1.592	-1.501
		Valor máximo de la envolvente	4.181	14.477	0.597	4.758	1.534	1.496
N390	Desplazamientos	Valor mínimo de la envolvente	-5.441	-17.680	-0.731	-4.895	-1.513	-1.729
		Valor máximo de la envolvente	5.103	17.636	0.578	4.945	1.493	1.717

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N391	Desplazamientos	Valor mínimo de la envolvente	-6.301	-20.771	-0.689	-4.426	-1.326	-1.875
		Valor máximo de la envolvente	5.983	20.694	0.528	4.494	1.359	1.868
N392	Desplazamientos	Valor mínimo de la envolvente	-7.052	-23.646	-0.618	-4.162	-1.084	-2.094
		Valor máximo de la envolvente	6.749	23.525	0.448	4.248	1.179	2.083
N393	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N394	Desplazamientos	Valor mínimo de la envolvente	-0.477	-1.150	-0.230	-2.169	-0.760	-0.356
		Valor máximo de la envolvente	0.430	1.155	0.213	2.164	0.708	0.355
N395	Desplazamientos	Valor mínimo de la envolvente	-0.987	-3.058	-0.396	-3.320	-0.983	-0.735
		Valor máximo de la envolvente	0.919	3.067	0.365	3.319	0.900	0.735
N396	Desplazamientos	Valor mínimo de la envolvente	-1.707	-5.512	-0.529	-3.792	-1.288	-0.819
		Valor máximo de la envolvente	1.562	5.521	0.479	3.801	1.193	0.815
N397	Desplazamientos	Valor mínimo de la envolvente	-2.548	-8.281	-0.628	-4.491	-1.490	-1.100
		Valor máximo de la envolvente	2.363	8.286	0.558	4.506	1.391	1.098
N398	Desplazamientos	Valor mínimo de la envolvente	-3.508	-11.319	-0.694	-4.593	-1.585	-1.268
		Valor máximo de la envolvente	3.244	11.313	0.600	4.620	1.500	1.260
N399	Desplazamientos	Valor mínimo de la envolvente	-4.471	-14.484	-0.727	-4.948	-1.601	-1.502
		Valor máximo de la envolvente	4.182	14.461	0.608	4.985	1.540	1.497
N400	Desplazamientos	Valor mínimo de la envolvente	-5.441	-17.694	-0.726	-4.708	-1.507	-1.726
		Valor máximo de la envolvente	5.104	17.647	0.578	4.760	1.486	1.714
N401	Desplazamientos	Valor mínimo de la envolvente	-6.300	-20.834	-0.693	-4.655	-1.334	-1.870
		Valor máximo de la envolvente	5.983	20.754	0.515	4.722	1.364	1.863
N402	Desplazamientos	Valor mínimo de la envolvente	-7.053	-23.736	-0.629	-4.011	-1.086	-2.110
		Valor máximo de la envolvente	6.751	23.612	0.416	4.092	1.178	2.097
N403	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N404	Desplazamientos	Valor mínimo de la envolvente	-0.440	-1.233	-0.254	-2.497	-0.735	-0.313
		Valor máximo de la envolvente	0.486	1.237	0.221	2.493	0.776	0.313
N405	Desplazamientos	Valor mínimo de la envolvente	-0.923	-3.237	-0.424	-3.144	-0.891	-0.697
		Valor máximo de la envolvente	0.990	3.244	0.364	3.146	0.971	0.695
N406	Desplazamientos	Valor mínimo de la envolvente	-1.566	-5.639	-0.560	-4.021	-1.200	-0.781
		Valor máximo de la envolvente	1.708	5.646	0.476	4.029	1.292	0.783
N407	Desplazamientos	Valor mínimo de la envolvente	-2.367	-8.438	-0.658	-4.309	-1.388	-1.062
		Valor máximo de la envolvente	2.548	8.439	0.554	4.326	1.481	1.063
N408	Desplazamientos	Valor mínimo de la envolvente	-3.250	-11.464	-0.724	-4.855	-1.511	-1.221
		Valor máximo de la envolvente	3.507	11.455	0.600	4.881	1.592	1.227
N409	Desplazamientos	Valor mínimo de la envolvente	-4.189	-14.660	-0.751	-4.795	-1.539	-1.455
		Valor máximo de la envolvente	4.471	14.634	0.614	4.834	1.594	1.458
N410	Desplazamientos	Valor mínimo de la envolvente	-5.115	-17.898	-0.747	-4.998	-1.500	-1.669
		Valor máximo de la envolvente	5.442	17.849	0.595	5.047	1.517	1.679
N411	Desplazamientos	Valor mínimo de la envolvente	-5.999	-21.081	-0.706	-4.540	-1.368	-1.836
		Valor máximo de la envolvente	6.304	21.000	0.545	4.607	1.332	1.842
N412	Desplazamientos	Valor mínimo de la envolvente	-6.771	-24.022	-0.631	-4.276	-1.188	-2.063
		Valor máximo de la envolvente	7.059	23.898	0.462	4.359	1.092	2.073
N413	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N414	Desplazamientos	Valor mínimo de la envolvente	-0.436	-1.167	-0.230	-2.190	-0.710	-0.335
		Valor máximo de la envolvente	0.481	1.172	0.214	2.187	0.761	0.336
N415	Desplazamientos	Valor mínimo de la envolvente	-0.923	-3.086	-0.398	-3.341	-0.898	-0.706

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	0.989	3.094	0.366	3.342	0.979	0.705
N416	Desplazamientos	Valor mínimo de la envolvente	-1.566	-5.556	-0.531	-3.824	-1.193	-0.788
		Valor máximo de la envolvente	1.707	5.563	0.480	3.833	1.286	0.790
N417	Desplazamientos	Valor mínimo de la envolvente	-2.367	-8.350	-0.631	-4.542	-1.393	-1.069
		Valor máximo de la envolvente	2.547	8.351	0.561	4.558	1.489	1.069
N418	Desplazamientos	Valor mínimo de la envolvente	-3.250	-11.428	-0.698	-4.659	-1.504	-1.225
		Valor máximo de la envolvente	3.506	11.417	0.603	4.686	1.585	1.230
N419	Desplazamientos	Valor mínimo de la envolvente	-4.190	-14.640	-0.732	-5.028	-1.545	-1.457
		Valor máximo de la envolvente	4.470	14.613	0.613	5.065	1.603	1.459
N420	Desplazamientos	Valor mínimo de la envolvente	-5.116	-17.908	-0.733	-4.803	-1.493	-1.669
		Valor máximo de la envolvente	5.441	17.856	0.585	4.854	1.511	1.678
N421	Desplazamientos	Valor mínimo de la envolvente	-5.999	-21.131	-0.701	-4.770	-1.373	-1.832
		Valor máximo de la envolvente	6.303	21.046	0.523	4.835	1.340	1.836
N422	Desplazamientos	Valor mínimo de la envolvente	-6.773	-24.092	-0.635	-4.114	-1.187	-2.077
		Valor máximo de la envolvente	7.060	23.966	0.424	4.192	1.093	2.090
N423	Desplazamientos	Valor mínimo de la envolvente	-7.775	-26.637	-0.482	-	-	-
		Valor máximo de la envolvente	7.751	26.348	0.309	-	-	-
N424	Desplazamientos	Valor mínimo de la envolvente	-7.785	-27.171	-0.523	-2.669	-0.362	-2.048
		Valor máximo de la envolvente	7.778	26.869	0.272	2.796	0.617	2.048
N425	Desplazamientos	Valor mínimo de la envolvente	-7.771	-28.340	-0.656	-2.849	-0.149	-2.012
		Valor máximo de la envolvente	7.803	28.026	0.238	3.208	0.491	2.032
N426	Desplazamientos	Valor mínimo de la envolvente	-7.761	-29.671	-0.890	-3.448	-0.062	-2.091
		Valor máximo de la envolvente	7.813	29.350	0.265	3.530	0.400	2.097
N427	Desplazamientos	Valor mínimo de la envolvente	-7.742	-31.042	-1.085	-	-	-
		Valor máximo de la envolvente	7.810	30.715	0.291	-	-	-
N428	Desplazamientos	Valor mínimo de la envolvente	-7.724	-32.321	-1.281	-4.512	-0.068	-2.266
		Valor máximo de la envolvente	7.799	31.983	0.315	4.441	0.318	2.231
N429	Desplazamientos	Valor mínimo de la envolvente	-7.702	-33.527	-1.439	-	-	-
		Valor máximo de la envolvente	7.771	33.180	0.364	-	-	-
N430	Desplazamientos	Valor mínimo de la envolvente	-7.806	-34.648	-1.560	-5.400	-0.104	-2.337
		Valor máximo de la envolvente	7.863	34.289	0.395	5.264	0.203	2.295
N431	Desplazamientos	Valor mínimo de la envolvente	-7.776	-35.685	-1.655	-	-	-
		Valor máximo de la envolvente	7.809	35.316	0.465	-	-	-
N432	Desplazamientos	Valor mínimo de la envolvente	-7.699	-36.596	-1.702	-6.017	-0.213	-2.341
		Valor máximo de la envolvente	7.716	36.216	0.500	5.878	0.194	2.310
N433	Desplazamientos	Valor mínimo de la envolvente	-7.622	-37.446	-1.740	-	-	-
		Valor máximo de la envolvente	7.613	37.064	0.565	-	-	-
N434	Desplazamientos	Valor mínimo de la envolvente	-7.789	-27.088	-0.489	-	-	-
		Valor máximo de la envolvente	7.797	26.799	0.318	-	-	-
N435	Desplazamientos	Valor mínimo de la envolvente	-7.817	-27.605	-0.527	-2.754	-0.608	-2.052
		Valor máximo de la envolvente	7.807	27.305	0.280	2.839	0.362	2.061
N436	Desplazamientos	Valor mínimo de la envolvente	-7.836	-28.755	-0.656	-	-	-
		Valor máximo de la envolvente	7.790	28.450	0.250	-	-	-
N437	Desplazamientos	Valor mínimo de la envolvente	-7.842	-30.056	-0.887	-3.602	-0.400	-2.104
		Valor máximo de la envolvente	7.776	29.741	0.276	3.575	0.062	2.134
N438	Desplazamientos	Valor mínimo de la envolvente	-7.833	-31.383	-1.082	-	-	-
		Valor máximo de la envolvente	7.752	31.059	0.301	-	-	-
N439	Desplazamientos	Valor mínimo de la envolvente	-7.818	-32.611	-1.277	-4.615	-0.323	-2.242
		Valor máximo de la envolvente	7.729	32.275	0.321	4.483	0.070	2.291

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N440	Desplazamientos	Valor mínimo de la envolvente	-7.786	-33.775	-1.436	-	-	-
		Valor máximo de la envolvente	7.702	33.428	0.370	-	-	-
N441	Desplazamientos	Valor mínimo de la envolvente	-7.752	-34.837	-1.556	-5.462	-0.239	-2.303
		Valor máximo de la envolvente	7.678	34.479	0.398	5.289	0.137	2.352
N442	Desplazamientos	Valor mínimo de la envolvente	-7.705	-35.815	-1.653	-	-	-
		Valor máximo de la envolvente	7.655	35.447	0.467	-	-	-
N443	Desplazamientos	Valor mínimo de la envolvente	-7.667	-36.663	-1.701	-6.037	-0.212	-2.313
		Valor máximo de la envolvente	7.634	36.284	0.501	5.885	0.227	2.346
N444	Desplazamientos	Valor mínimo de la envolvente	-7.684	-27.630	-0.672	-2.923	-0.468	-2.033
		Valor máximo de la envolvente	7.756	27.334	0.242	2.951	0.124	2.080
N445	Desplazamientos	Valor mínimo de la envolvente	-7.732	-28.783	-0.911	-3.590	-0.394	-2.080
		Valor máximo de la envolvente	7.787	28.450	0.274	3.542	0.058	2.140
N446	Desplazamientos	Valor mínimo de la envolvente	-7.761	-29.917	-1.107	-4.118	-0.380	-2.144
		Valor máximo de la envolvente	7.791	29.549	0.301	4.001	0.071	2.216
N447	Desplazamientos	Valor mínimo de la envolvente	-7.783	-30.973	-1.298	-4.609	-0.322	-2.207
		Valor máximo de la envolvente	7.786	30.576	0.322	4.453	0.070	2.277
N448	Desplazamientos	Valor mínimo de la envolvente	-7.788	-31.956	-1.453	-5.080	-0.240	-2.236
		Valor máximo de la envolvente	7.770	31.534	0.372	4.886	0.062	2.306
N449	Desplazamientos	Valor mínimo de la envolvente	-7.786	-32.859	-1.569	-5.454	-0.239	-2.272
		Valor máximo de la envolvente	7.752	32.422	0.401	5.254	0.138	2.332
N450	Desplazamientos	Valor mínimo de la envolvente	-7.765	-33.680	-1.660	-5.827	-0.230	-2.270
		Valor máximo de la envolvente	7.734	33.233	0.470	5.622	0.194	2.320
N451	Desplazamientos	Valor mínimo de la envolvente	-7.743	-34.416	-1.705	-6.036	-0.207	-2.289
		Valor máximo de la envolvente	7.715	33.969	0.503	5.858	0.238	2.321
N452	Desplazamientos	Valor mínimo de la envolvente	-7.706	-35.026	-1.744	-6.214	-0.223	-2.269
		Valor máximo de la envolvente	7.697	34.587	0.571	6.053	0.222	2.266
N453	Desplazamientos	Valor mínimo de la envolvente	-7.731	-27.233	-0.672	-2.871	-0.148	-2.055
		Valor máximo de la envolvente	7.645	26.958	0.231	2.896	0.507	2.025
N454	Desplazamientos	Valor mínimo de la envolvente	-7.761	-28.414	-0.914	-3.467	-0.058	-2.121
		Valor máximo de la envolvente	7.693	28.106	0.263	3.490	0.394	2.067
N455	Desplazamientos	Valor mínimo de la envolvente	-7.769	-29.590	-1.111	-3.999	-0.070	-2.190
		Valor máximo de la envolvente	7.725	29.246	0.292	3.948	0.376	2.134
N456	Desplazamientos	Valor mínimo de la envolvente	-7.768	-30.695	-1.303	-4.507	-0.068	-2.257
		Valor máximo de la envolvente	7.750	30.319	0.316	4.411	0.317	2.197
N457	Desplazamientos	Valor mínimo de la envolvente	-7.757	-31.731	-1.457	-4.994	-0.060	-2.291
		Valor máximo de la envolvente	7.759	31.329	0.367	4.851	0.233	2.227
N458	Desplazamientos	Valor mínimo de la envolvente	-7.864	-32.683	-1.572	-5.390	-0.106	-2.321
		Valor máximo de la envolvente	7.882	32.260	0.398	5.229	0.203	2.264
N459	Desplazamientos	Valor mínimo de la envolvente	-7.843	-33.563	-1.663	-5.783	-0.170	-2.315
		Valor máximo de la envolvente	7.858	33.125	0.468	5.605	0.201	2.265
N460	Desplazamientos	Valor mínimo de la envolvente	-7.768	-34.360	-1.706	-6.015	-0.223	-2.321
		Valor máximo de la envolvente	7.781	33.916	0.502	5.850	0.189	2.285
N461	Desplazamientos	Valor mínimo de la envolvente	-7.632	-26.078	-0.720	-1.418	-0.340	-2.054
		Valor máximo de la envolvente	7.529	25.820	0.592	1.551	0.561	2.047
N462	Desplazamientos	Valor mínimo de la envolvente	-7.623	-26.327	-0.783	-1.876	-0.277	-2.011
		Valor máximo de la envolvente	7.520	26.063	0.557	2.011	0.535	2.008
N463	Desplazamientos	Valor mínimo de la envolvente	-7.592	-26.969	-0.764	-1.809	-0.168	-2.018
		Valor máximo de la envolvente	7.510	26.707	0.390	1.940	0.444	2.021
N464	Desplazamientos	Valor mínimo de la envolvente	-7.548	-27.527	-0.842	-1.728	-0.013	-2.059

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	7.496	27.264	0.273	1.858	0.312	2.056
N465	Desplazamientos	Valor mínimo de la envolvente	-7.522	-27.994	-0.902	-1.599	0.084	-2.073
		Valor máximo de la envolvente	7.486	27.729	0.164	1.731	0.212	2.070
N466	Desplazamientos	Valor mínimo de la envolvente	-7.496	-28.411	-1.021	-1.572	0.038	-2.074
		Valor máximo de la envolvente	7.475	28.143	0.095	1.704	0.227	2.071
N467	Desplazamientos	Valor mínimo de la envolvente	-7.484	-28.753	-1.073	-1.495	-0.056	-2.092
		Valor máximo de la envolvente	7.469	28.483	0.014	1.627	0.273	2.089
N468	Desplazamientos	Valor mínimo de la envolvente	-7.471	-29.011	-1.173	-1.548	-0.129	-2.104
		Valor máximo de la envolvente	7.462	28.739	-0.014	1.680	0.281	2.101
N469	Desplazamientos	Valor mínimo de la envolvente	-7.469	-29.179	-1.187	-1.524	-0.195	-2.111
		Valor máximo de la envolvente	7.461	28.906	-0.055	1.656	0.274	2.109
N470	Desplazamientos	Valor mínimo de la envolvente	-7.466	-29.274	-1.240	-1.598	-0.232	-2.112
		Valor máximo de la envolvente	7.458	29.000	-0.042	1.730	0.232	2.110
N471	Desplazamientos	Valor mínimo de la envolvente	-7.475	-29.279	-1.198	-1.576	-0.270	-2.111
		Valor máximo de la envolvente	7.466	29.003	-0.044	1.707	0.191	2.110
N472	Desplazamientos	Valor mínimo de la envolvente	-7.482	-29.157	-1.192	-1.620	-0.274	-2.106
		Valor máximo de la envolvente	7.474	28.880	0.004	1.751	0.122	2.106
N473	Desplazamientos	Valor mínimo de la envolvente	-7.496	-28.947	-1.095	-1.573	-0.262	-2.104
		Valor máximo de la envolvente	7.493	28.671	0.036	1.703	0.046	2.105
N474	Desplazamientos	Valor mínimo de la envolvente	-7.508	-28.672	-1.042	-1.629	-0.213	-2.096
		Valor máximo de la envolvente	7.512	28.396	0.115	1.758	-0.051	2.097
N475	Desplazamientos	Valor mínimo de la envolvente	-7.524	-28.320	-0.926	-1.632	-0.212	-2.080
		Valor máximo de la envolvente	7.544	28.045	0.186	1.759	-0.084	2.082
N476	Desplazamientos	Valor mínimo de la envolvente	-7.541	-27.896	-0.861	-1.764	-0.326	-2.048
		Valor máximo de la envolvente	7.576	27.624	0.290	1.890	0.028	2.051
N477	Desplazamientos	Valor mínimo de la envolvente	-7.563	-27.365	-0.783	-1.850	-0.470	-2.017
		Valor máximo de la envolvente	7.628	27.092	0.405	1.974	0.198	2.014
N478	Desplazamientos	Valor mínimo de la envolvente	-7.578	-26.747	-0.802	-1.924	-0.544	-2.005
		Valor máximo de la envolvente	7.665	26.478	0.572	2.043	0.278	2.024
N479	Desplazamientos	Valor mínimo de la envolvente	-7.602	-26.518	-0.733	-1.453	-0.577	-2.045
		Valor máximo de la envolvente	7.688	26.258	0.603	1.580	0.353	2.055
N480	Desplazamientos	Valor mínimo de la envolvente	-7.448	-25.727	-0.753	-2.188	-0.625	-2.117
		Valor máximo de la envolvente	7.247	25.540	0.623	2.307	0.810	2.116
N481	Desplazamientos	Valor mínimo de la envolvente	-7.455	-25.808	-0.781	-2.079	-0.536	-2.082
		Valor máximo de la envolvente	7.255	25.622	0.578	2.204	0.730	2.080
N482	Desplazamientos	Valor mínimo de la envolvente	-7.510	-26.108	-0.760	-1.764	-0.098	-2.109
		Valor máximo de la envolvente	7.309	25.914	0.389	1.895	0.398	2.099
N483	Desplazamientos	Valor mínimo de la envolvente	-7.545	-26.604	-0.839	-1.723	-0.023	-2.056
		Valor máximo de la envolvente	7.359	26.406	0.271	1.853	0.319	2.051
N484	Desplazamientos	Valor mínimo de la envolvente	-7.577	-27.116	-0.898	-1.599	0.083	-2.038
		Valor máximo de la envolvente	7.407	26.916	0.162	1.730	0.211	2.034
N485	Desplazamientos	Valor mínimo de la envolvente	-7.591	-27.565	-1.018	-1.566	0.037	-2.037
		Valor máximo de la envolvente	7.448	27.363	0.093	1.698	0.229	2.034
N486	Desplazamientos	Valor mínimo de la envolvente	-7.603	-27.939	-1.069	-1.485	-0.055	-2.059
		Valor máximo de la envolvente	7.488	27.734	0.013	1.617	0.271	2.055
N487	Desplazamientos	Valor mínimo de la envolvente	-7.598	-28.182	-1.170	-1.543	-0.130	-2.075
		Valor máximo de la envolvente	7.518	27.975	-0.016	1.675	0.283	2.072
N488	Desplazamientos	Valor mínimo de la envolvente	-7.592	-28.344	-1.184	-1.518	-0.193	-2.083
		Valor máximo de la envolvente	7.547	28.136	-0.057	1.650	0.272	2.080

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N489	Desplazamientos	Valor mínimo de la envolvente	-7.573	-28.419	-1.237	-1.590	-0.234	-2.080
		Valor máximo de la envolvente	7.565	28.209	-0.044	1.722	0.234	2.078
N490	Desplazamientos	Valor mínimo de la envolvente	-7.558	-28.409	-1.195	-1.567	-0.268	-2.083
		Valor máximo de la envolvente	7.587	28.197	-0.047	1.698	0.190	2.082
N491	Desplazamientos	Valor mínimo de la envolvente	-7.534	-28.290	-1.189	-1.612	-0.276	-2.076
		Valor máximo de la envolvente	7.598	28.078	0.002	1.742	0.124	2.076
N492	Desplazamientos	Valor mínimo de la envolvente	-7.508	-28.087	-1.092	-1.568	-0.260	-2.077
		Valor máximo de la envolvente	7.607	27.875	0.034	1.698	0.045	2.077
N493	Desplazamientos	Valor mínimo de la envolvente	-7.474	-27.800	-1.040	-1.623	-0.216	-2.070
		Valor máximo de la envolvente	7.600	27.587	0.113	1.753	-0.050	2.071
N494	Desplazamientos	Valor mínimo de la envolvente	-7.438	-27.435	-0.924	-1.626	-0.211	-2.048
		Valor máximo de la envolvente	7.591	27.223	0.186	1.753	-0.083	2.050
N495	Desplazamientos	Valor mínimo de la envolvente	-7.395	-26.962	-0.859	-1.759	-0.336	-2.041
		Valor máximo de la envolvente	7.564	26.751	0.288	1.885	0.040	2.047
N496	Desplazamientos	Valor mínimo de la envolvente	-7.351	-26.491	-0.780	-1.801	-0.410	-2.088
		Valor máximo de la envolvente	7.535	26.286	0.404	1.929	0.111	2.104
N497	Desplazamientos	Valor mínimo de la envolvente	-7.303	-26.217	-0.801	-2.128	-0.757	-2.073
		Valor máximo de la envolvente	7.486	26.029	0.595	2.254	0.562	2.081
N498	Desplazamientos	Valor mínimo de la envolvente	-7.295	-26.160	-0.765	-2.241	-0.850	-2.111
		Valor máximo de la envolvente	7.479	25.970	0.634	2.357	0.662	2.114
N499	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N500	Desplazamientos	Valor mínimo de la envolvente	-0.467	-1.218	-0.284	-2.474	-0.758	-0.332
		Valor máximo de la envolvente	0.420	1.224	0.252	2.469	0.713	0.331
N501	Desplazamientos	Valor mínimo de la envolvente	-0.961	-3.206	-0.478	-3.117	-0.954	-0.724
		Valor máximo de la envolvente	0.892	3.216	0.423	3.118	0.874	0.725
N502	Desplazamientos	Valor mínimo de la envolvente	-1.664	-5.589	-0.639	-3.987	-1.271	-0.812
		Valor máximo de la envolvente	1.520	5.600	0.562	3.993	1.177	0.808
N503	Desplazamientos	Valor mínimo de la envolvente	-2.491	-8.366	-0.759	-4.259	-1.460	-1.094
		Valor máximo de la envolvente	2.304	8.373	0.665	4.276	1.366	1.092
N504	Desplazamientos	Valor mínimo de la envolvente	-3.434	-11.348	-0.848	-4.787	-1.569	-1.265
		Valor máximo de la envolvente	3.174	11.345	0.738	4.812	1.485	1.256
N505	Desplazamientos	Valor mínimo de la envolvente	-4.384	-14.497	-0.896	-4.723	-1.573	-1.501
		Valor máximo de la envolvente	4.094	14.477	0.777	4.762	1.516	1.496
N506	Desplazamientos	Valor mínimo de la envolvente	-5.339	-17.680	-0.912	-4.883	-1.494	-1.731
		Valor máximo de la envolvente	5.007	17.636	0.784	4.934	1.475	1.719
N507	Desplazamientos	Valor mínimo de la envolvente	-6.187	-20.772	-0.889	-4.476	-1.317	-1.876
		Valor máximo de la envolvente	5.871	20.695	0.759	4.543	1.350	1.869
N508	Desplazamientos	Valor mínimo de la envolvente	-6.934	-23.643	-0.836	-3.967	-1.087	-2.115
		Valor máximo de la envolvente	6.639	23.521	0.704	4.059	1.184	2.102
N509	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N510	Desplazamientos	Valor mínimo de la envolvente	-0.462	-1.150	-0.255	-2.169	-0.743	-0.356
		Valor máximo de la envolvente	0.417	1.155	0.240	2.165	0.689	0.355
N511	Desplazamientos	Valor mínimo de la envolvente	-0.960	-3.058	-0.443	-3.320	-0.962	-0.735
		Valor máximo de la envolvente	0.892	3.067	0.416	3.319	0.880	0.735
N512	Desplazamientos	Valor mínimo de la envolvente	-1.663	-5.512	-0.598	-3.792	-1.266	-0.819
		Valor máximo de la envolvente	1.520	5.521	0.555	3.801	1.171	0.815
N513	Desplazamientos	Valor mínimo de la envolvente	-2.490	-8.285	-0.721	-4.491	-1.467	-1.100

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	2.305	8.290	0.661	4.507	1.370	1.098
N514	Desplazamientos	Valor mínimo de la envolvente	-3.433	-11.319	-0.809	-4.591	-1.564	-1.268
		Valor máximo de la envolvente	3.174	11.313	0.730	4.619	1.479	1.260
N515	Desplazamientos	Valor mínimo de la envolvente	-4.383	-14.484	-0.866	-4.950	-1.580	-1.502
		Valor máximo de la envolvente	4.094	14.461	0.766	4.987	1.520	1.498
N516	Desplazamientos	Valor mínimo de la envolvente	-5.338	-17.694	-0.891	-4.696	-1.490	-1.727
		Valor máximo de la envolvente	5.007	17.646	0.767	4.750	1.469	1.715
N517	Desplazamientos	Valor mínimo de la envolvente	-6.186	-20.835	-0.883	-4.695	-1.321	-1.875
		Valor máximo de la envolvente	5.871	20.755	0.736	4.760	1.352	1.868
N518	Desplazamientos	Valor mínimo de la envolvente	-6.934	-23.733	-0.846	-3.845	-1.099	-2.101
		Valor máximo de la envolvente	6.640	23.610	0.670	3.935	1.193	2.089
N519	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N520	Desplazamientos	Valor mínimo de la envolvente	-0.415	-1.232	-0.285	-2.497	-0.712	-0.314
		Valor máximo de la envolvente	0.461	1.237	0.254	2.493	0.755	0.314
N521	Desplazamientos	Valor mínimo de la envolvente	-0.888	-3.237	-0.480	-3.142	-0.878	-0.697
		Valor máximo de la envolvente	0.956	3.244	0.425	3.145	0.956	0.695
N522	Desplazamientos	Valor mínimo de la envolvente	-1.520	-5.639	-0.642	-4.021	-1.181	-0.781
		Valor máximo de la envolvente	1.661	5.646	0.565	4.029	1.274	0.783
N523	Desplazamientos	Valor mínimo de la envolvente	-2.307	-8.440	-0.764	-4.311	-1.371	-1.062
		Valor máximo de la envolvente	2.489	8.441	0.671	4.329	1.463	1.063
N524	Desplazamientos	Valor mínimo de la envolvente	-3.180	-11.464	-0.854	-4.854	-1.492	-1.221
		Valor máximo de la envolvente	3.434	11.455	0.745	4.880	1.573	1.227
N525	Desplazamientos	Valor mínimo de la envolvente	-4.105	-14.660	-0.904	-4.799	-1.524	-1.455
		Valor máximo de la envolvente	4.387	14.634	0.785	4.838	1.578	1.458
N526	Desplazamientos	Valor mínimo de la envolvente	-5.024	-17.898	-0.922	-4.986	-1.486	-1.670
		Valor máximo de la envolvente	5.346	17.848	0.794	5.036	1.502	1.680
N527	Desplazamientos	Valor mínimo de la envolvente	-5.896	-21.068	-0.901	-4.594	-1.365	-1.837
		Valor máximo de la envolvente	6.200	20.987	0.769	4.659	1.328	1.842
N528	Desplazamientos	Valor mínimo de la envolvente	-6.674	-24.018	-0.848	-4.075	-1.200	-2.082
		Valor máximo de la envolvente	6.954	23.895	0.714	4.165	1.100	2.094
N529	Desplazamientos	Valor mínimo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
		Valor máximo de la envolvente	0.000	0.000	0.000	0.000	0.000	0.000
N530	Desplazamientos	Valor mínimo de la envolvente	-0.411	-1.167	-0.260	-2.190	-0.688	-0.336
		Valor máximo de la envolvente	0.456	1.172	0.245	2.187	0.739	0.336
N531	Desplazamientos	Valor mínimo de la envolvente	-0.888	-3.086	-0.452	-3.341	-0.885	-0.706
		Valor máximo de la envolvente	0.955	3.094	0.425	3.342	0.964	0.705
N532	Desplazamientos	Valor mínimo de la envolvente	-1.520	-5.556	-0.611	-3.823	-1.176	-0.788
		Valor máximo de la envolvente	1.660	5.563	0.567	3.833	1.269	0.790
N533	Desplazamientos	Valor mínimo de la envolvente	-2.308	-8.351	-0.736	-4.544	-1.376	-1.069
		Valor máximo de la envolvente	2.488	8.352	0.676	4.560	1.470	1.069
N534	Desplazamientos	Valor mínimo de la envolvente	-3.180	-11.428	-0.828	-4.658	-1.486	-1.225
		Valor máximo de la envolvente	3.433	11.417	0.747	4.686	1.567	1.230
N535	Desplazamientos	Valor mínimo de la envolvente	-4.105	-14.641	-0.887	-5.032	-1.529	-1.457
		Valor máximo de la envolvente	4.386	14.613	0.786	5.069	1.585	1.459
N536	Desplazamientos	Valor mínimo de la envolvente	-5.024	-17.908	-0.914	-4.792	-1.480	-1.669
		Valor máximo de la envolvente	5.345	17.856	0.788	4.844	1.497	1.678
N537	Desplazamientos	Valor mínimo de la envolvente	-5.896	-21.119	-0.907	-4.813	-1.367	-1.836
		Valor máximo de la envolvente	6.199	21.035	0.757	4.876	1.332	1.841

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N538	Desplazamientos	Valor mínimo de la envolvente	-6.674	-24.090	-0.867	-3.944	-1.211	-2.069
		Valor máximo de la envolvente	6.954	23.964	0.690	4.031	1.113	2.081
N539	Desplazamientos	Valor mínimo de la envolvente	-7.700	-26.632	-0.717	-2.266	-0.387	-2.094
		Valor máximo de la envolvente	7.679	26.343	0.589	2.308	0.635	2.075
N540	Desplazamientos	Valor mínimo de la envolvente	-7.713	-27.163	-0.771	-2.506	-0.357	-2.057
		Valor máximo de la envolvente	7.710	26.862	0.565	2.586	0.616	2.031
N541	Desplazamientos	Valor mínimo de la envolvente	-7.711	-28.328	-0.934	-3.064	-0.141	-2.051
		Valor máximo de la envolvente	7.748	28.015	0.557	3.004	0.506	2.030
N542	Desplazamientos	Valor mínimo de la envolvente	-7.713	-29.662	-1.215	-3.502	-0.085	-2.104
		Valor máximo de la envolvente	7.778	29.341	0.607	3.507	0.463	2.076
N543	Desplazamientos	Valor mínimo de la envolvente	-7.711	-31.033	-1.461	-4.127	-0.092	-2.211
		Valor máximo de la envolvente	7.797	30.707	0.658	3.987	0.439	2.171
N544	Desplazamientos	Valor mínimo de la envolvente	-7.703	-32.310	-1.705	-4.538	-0.101	-2.292
		Valor máximo de la envolvente	7.798	31.973	0.706	4.431	0.380	2.239
N545	Desplazamientos	Valor mínimo de la envolvente	-7.694	-33.530	-1.904	-5.106	-0.110	-2.337
		Valor máximo de la envolvente	7.782	33.183	0.782	4.875	0.305	2.279
N546	Desplazamientos	Valor mínimo de la envolvente	-7.681	-34.648	-2.060	-5.425	-0.125	-2.346
		Valor máximo de la envolvente	7.756	34.289	0.836	5.253	0.232	2.285
N547	Desplazamientos	Valor mínimo de la envolvente	-7.670	-35.688	-2.179	-5.884	-0.163	-2.377
		Valor máximo de la envolvente	7.716	35.319	0.929	5.620	0.193	2.321
N548	Desplazamientos	Valor mínimo de la envolvente	-7.653	-36.596	-2.243	-6.041	-0.216	-2.350
		Valor máximo de la envolvente	7.678	36.216	0.980	5.868	0.193	2.300
N549	Desplazamientos	Valor mínimo de la envolvente	-7.638	-37.448	-2.283	-6.283	-0.215	-2.324
		Valor máximo de la envolvente	7.630	37.067	1.056	6.041	0.218	2.324
N550	Desplazamientos	Valor mínimo de la envolvente	-7.737	-27.089	-0.729	-2.327	-0.622	-2.080
		Valor máximo de la envolvente	7.737	26.800	0.600	2.361	0.369	2.103
N551	Desplazamientos	Valor mínimo de la envolvente	-7.767	-27.604	-0.789	-2.568	-0.623	-2.037
		Valor máximo de la envolvente	7.747	27.304	0.579	2.638	0.354	2.059
N552	Desplazamientos	Valor mínimo de la envolvente	-7.800	-28.749	-0.965	-3.136	-0.491	-2.040
		Valor máximo de la envolvente	7.742	28.444	0.575	3.063	0.116	2.067
N553	Desplazamientos	Valor mínimo de la envolvente	-7.823	-30.052	-1.250	-3.622	-0.464	-2.089
		Valor máximo de la envolvente	7.738	29.738	0.625	3.560	0.085	2.135
N554	Desplazamientos	Valor mínimo de la envolvente	-7.833	-31.381	-1.495	-4.245	-0.435	-2.183
		Valor máximo de la envolvente	7.727	31.058	0.677	4.039	0.091	2.242
N555	Desplazamientos	Valor mínimo de la envolvente	-7.827	-32.608	-1.735	-4.641	-0.373	-2.234
		Valor máximo de la envolvente	7.713	32.272	0.723	4.472	0.098	2.300
N556	Desplazamientos	Valor mínimo de la envolvente	-7.803	-33.773	-1.930	-5.190	-0.297	-2.289
		Valor máximo de la envolvente	7.698	33.428	0.797	4.910	0.106	2.357
N557	Desplazamientos	Valor mínimo de la envolvente	-7.773	-34.834	-2.080	-5.488	-0.238	-2.294
		Valor máximo de la envolvente	7.680	34.476	0.847	5.278	0.136	2.361
N558	Desplazamientos	Valor mínimo de la envolvente	-7.727	-35.815	-2.193	-5.927	-0.219	-2.327
		Valor máximo de la envolvente	7.664	35.447	0.937	5.637	0.194	2.387
N559	Desplazamientos	Valor mínimo de la envolvente	-7.688	-36.662	-2.250	-6.061	-0.208	-2.304
		Valor máximo de la envolvente	7.647	36.283	0.984	5.876	0.236	2.355
N560	Desplazamientos	Valor mínimo de la envolvente	-7.641	-27.631	-0.986	-2.904	-0.500	-2.059
		Valor máximo de la envolvente	7.708	27.334	0.571	2.981	0.101	2.095
N561	Desplazamientos	Valor mínimo de la envolvente	-7.699	-28.780	-1.280	-3.580	-0.460	-2.075
		Valor máximo de la envolvente	7.746	28.447	0.627	3.562	0.082	2.134
N562	Desplazamientos	Valor mínimo de la envolvente	-7.744	-29.916	-1.526	-4.085	-0.433	-2.151

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	7.761	29.546	0.682	4.021	0.091	2.208
N563	Desplazamientos	Valor mínimo de la envolvente	-7.778	-30.971	-1.762	-4.590	-0.383	-2.207
		Valor máximo de la envolvente	7.763	30.573	0.727	4.464	0.106	2.274
N564	Desplazamientos	Valor mínimo de la envolvente	-7.794	-31.954	-1.952	-5.047	-0.289	-2.242
		Valor máximo de la envolvente	7.759	31.532	0.803	4.907	0.099	2.297
N565	Desplazamientos	Valor mínimo de la envolvente	-7.802	-32.857	-2.095	-5.436	-0.238	-2.271
		Valor máximo de la envolvente	7.752	32.420	0.853	5.266	0.137	2.329
N566	Desplazamientos	Valor mínimo de la envolvente	-7.787	-33.678	-2.202	-5.793	-0.221	-2.276
		Valor máximo de la envolvente	7.741	33.231	0.942	5.644	0.191	2.311
N567	Desplazamientos	Valor mínimo de la envolvente	-7.765	-34.415	-2.254	-6.019	-0.205	-2.289
		Valor máximo de la envolvente	7.726	33.967	0.987	5.869	0.254	2.316
N568	Desplazamientos	Valor mínimo de la envolvente	-7.721	-35.027	-2.287	-6.183	-0.219	-2.270
		Valor máximo de la envolvente	7.712	34.587	1.064	6.072	0.221	2.268
N569	Desplazamientos	Valor mínimo de la envolvente	-7.671	-27.229	-0.955	-2.793	-0.137	-2.053
		Valor máximo de la envolvente	7.584	26.952	0.553	2.948	0.521	2.057
N570	Desplazamientos	Valor mínimo de la envolvente	-7.714	-28.408	-1.246	-3.439	-0.082	-2.098
		Valor máximo de la envolvente	7.646	28.099	0.609	3.516	0.460	2.066
N571	Desplazamientos	Valor mínimo de la envolvente	-7.734	-29.585	-1.493	-3.961	-0.092	-2.185
		Valor máximo de la envolvente	7.697	29.240	0.663	3.975	0.437	2.140
N572	Desplazamientos	Valor mínimo de la envolvente	-7.742	-30.689	-1.732	-4.488	-0.110	-2.267
		Valor máximo de la envolvente	7.734	30.313	0.711	4.423	0.389	2.211
N573	Desplazamientos	Valor mínimo de la envolvente	-7.742	-31.724	-1.927	-4.961	-0.103	-2.282
		Valor máximo de la envolvente	7.757	31.321	0.788	4.872	0.298	2.233
N574	Desplazamientos	Valor mínimo de la envolvente	-7.741	-32.684	-2.076	-5.372	-0.134	-2.318
		Valor máximo de la envolvente	7.771	32.260	0.842	5.241	0.240	2.263
N575	Desplazamientos	Valor mínimo de la envolvente	-7.737	-33.563	-2.189	-5.749	-0.162	-2.307
		Valor máximo de la envolvente	7.764	33.125	0.934	5.626	0.195	2.270
N576	Desplazamientos	Valor mínimo de la envolvente	-7.728	-34.360	-2.248	-5.998	-0.230	-2.315
		Valor máximo de la envolvente	7.749	33.916	0.983	5.861	0.186	2.285
N577	Desplazamientos	Valor mínimo de la envolvente	-7.795	-26.323	-0.816	-0.083	-0.740	-2.047
		Valor máximo de la envolvente	8.007	26.133	0.552	0.240	0.471	2.078
N578	Desplazamientos	Valor mínimo de la envolvente	-8.435	-26.424	-0.736	-0.187	-0.802	-2.062
		Valor máximo de la envolvente	8.677	26.231	0.385	0.323	0.446	2.088
N579	Desplazamientos	Valor mínimo de la envolvente	-9.183	-26.459	-0.541	-0.388	-0.840	-2.050
		Valor máximo de la envolvente	9.454	26.261	0.114	0.502	0.395	2.078
N580	Desplazamientos	Valor mínimo de la envolvente	-9.985	-26.479	-0.330	-0.471	-0.897	-2.048
		Valor máximo de la envolvente	10.284	26.273	-0.153	0.554	0.363	2.071
N581	Desplazamientos	Valor mínimo de la envolvente	-10.811	-26.421	-0.651	-0.390	-0.970	-2.027
		Valor máximo de la envolvente	11.137	26.210	0.129	0.444	0.350	2.052
N582	Desplazamientos	Valor mínimo de la envolvente	-11.640	-26.348	-0.852	-0.187	-1.029	-2.018
		Valor máximo de la envolvente	11.991	26.130	0.311	0.217	0.325	2.048
N583	Desplazamientos	Valor mínimo de la envolvente	-12.453	-26.196	-0.981	-0.070	-1.126	-2.039
		Valor máximo de la envolvente	12.837	25.979	0.429	0.092	0.354	2.058
N584	Desplazamientos	Valor mínimo de la envolvente	-8.122	-26.442	-0.806	-0.003	-0.699	-2.085
		Valor máximo de la envolvente	8.199	26.180	0.542	0.161	0.429	2.085
N585	Desplazamientos	Valor mínimo de la envolvente	-8.801	-26.393	-0.737	-0.200	-0.800	-2.099
		Valor máximo de la envolvente	8.864	26.135	0.385	0.337	0.445	2.093
N586	Desplazamientos	Valor mínimo de la envolvente	-9.569	-26.335	-0.539	-0.377	-0.839	-2.091
		Valor máximo de la envolvente	9.618	26.080	0.113	0.489	0.395	2.087

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N587	Desplazamientos	Valor mínimo de la envolvente	-10.394	-26.321	-0.330	-0.480	-0.897	-2.080
		Valor máximo de la envolvente	10.427	26.072	-0.153	0.564	0.363	2.072
N588	Desplazamientos	Valor mínimo de la envolvente	-11.249	-26.295	-0.653	-0.378	-0.971	-2.066
		Valor máximo de la envolvente	11.265	26.052	0.132	0.431	0.353	2.060
N589	Desplazamientos	Valor mínimo de la envolvente	-12.107	-26.316	-0.856	-0.204	-1.027	-2.043
		Valor máximo de la envolvente	12.103	26.076	0.315	0.234	0.326	2.022
N590	Desplazamientos	Valor mínimo de la envolvente	-12.925	-26.325	-0.975	-0.080	-1.088	-1.967
		Valor máximo de la envolvente	12.891	26.087	0.423	0.108	0.307	1.950
N591	Desplazamientos	Valor mínimo de la envolvente	-8.121	-26.554	-0.856	0.006	-0.703	-2.102
		Valor máximo de la envolvente	8.198	26.279	0.485	0.195	0.432	2.101
N592	Desplazamientos	Valor mínimo de la envolvente	-8.801	-26.471	-0.834	-0.129	-0.799	-2.094
		Valor máximo de la envolvente	8.865	26.199	0.340	0.318	0.445	2.089
N593	Desplazamientos	Valor mínimo de la envolvente	-9.569	-26.410	-0.661	-0.392	-0.839	-2.091
		Valor máximo de la envolvente	9.618	26.141	0.057	0.557	0.396	2.088
N594	Desplazamientos	Valor mínimo de la envolvente	-10.548	-26.433	-0.598	-0.442	-0.896	-2.080
		Valor máximo de la envolvente	10.581	26.171	-0.100	0.575	0.363	2.072
N595	Desplazamientos	Valor mínimo de la envolvente	-11.249	-26.473	-0.775	-0.392	-0.972	-2.067
		Valor máximo de la envolvente	11.265	26.217	0.005	0.493	0.353	2.060
N596	Desplazamientos	Valor mínimo de la envolvente	-12.107	-26.599	-1.067	-0.142	-1.029	-2.035
		Valor máximo de la envolvente	12.103	26.350	0.245	0.205	0.326	2.022
N597	Desplazamientos	Valor mínimo de la envolvente	-12.926	-26.743	-1.082	-0.083	-1.105	-2.004
		Valor máximo de la envolvente	12.891	26.500	0.228	0.145	0.304	1.949
N598	Desplazamientos	Valor mínimo de la envolvente	-7.794	-26.364	-0.864	0.019	-0.728	-2.054
		Valor máximo de la envolvente	8.007	26.178	0.494	0.190	0.461	2.085
N599	Desplazamientos	Valor mínimo de la envolvente	-8.435	-26.467	-0.836	-0.121	-0.805	-2.060
		Valor máximo de la envolvente	8.677	26.281	0.342	0.309	0.450	2.086
N600	Desplazamientos	Valor mínimo de la envolvente	-9.183	-26.516	-0.660	-0.404	-0.839	-2.051
		Valor máximo de la envolvente	9.454	26.324	0.055	0.569	0.397	2.079
N601	Desplazamientos	Valor mínimo de la envolvente	-10.138	-26.576	-0.597	-0.428	-0.896	-2.047
		Valor máximo de la envolvente	10.437	26.378	-0.100	0.562	0.364	2.070
N602	Desplazamientos	Valor mínimo de la envolvente	-10.811	-26.581	-0.779	-0.405	-0.968	-2.026
		Valor máximo de la envolvente	11.137	26.375	0.009	0.505	0.351	2.053
N603	Desplazamientos	Valor mínimo de la envolvente	-11.640	-26.597	-1.073	-0.123	-1.050	-2.023
		Valor máximo de la envolvente	11.991	26.383	0.251	0.193	0.350	2.043
N604	Desplazamientos	Valor mínimo de la envolvente	-12.453	-26.550	-1.097	-0.098	-1.152	-1.995
		Valor máximo de la envolvente	12.838	26.331	0.243	0.126	0.347	2.088
N605	Desplazamientos	Valor mínimo de la envolvente	-8.230	-26.144	-0.844	0.007	-0.432	-2.129
		Valor máximo de la envolvente	8.138	25.872	0.475	0.187	0.701	2.129
N606	Desplazamientos	Valor mínimo de la envolvente	-8.958	-26.057	-0.824	-0.123	-0.455	-2.113
		Valor máximo de la envolvente	8.878	25.788	0.336	0.306	0.800	2.116
N607	Desplazamientos	Valor mínimo de la envolvente	-9.760	-25.997	-0.657	-0.382	-0.422	-2.104
		Valor máximo de la envolvente	9.692	25.730	0.062	0.541	0.851	2.102
N608	Desplazamientos	Valor mínimo de la envolvente	-10.703	-26.020	-0.594	-0.431	-0.369	-2.068
		Valor máximo de la envolvente	10.646	25.759	-0.090	0.559	0.883	2.068
N609	Desplazamientos	Valor mínimo de la envolvente	-11.384	-26.060	-0.749	-0.385	-0.361	-2.044
		Valor máximo de la envolvente	11.337	25.804	-0.004	0.482	0.958	2.040
N610	Desplazamientos	Valor mínimo de la envolvente	-12.187	-26.184	-1.035	-0.143	-0.334	-2.004
		Valor máximo de la envolvente	12.150	25.935	0.233	0.203	1.011	2.005
N611	Desplazamientos	Valor mínimo de la envolvente	-12.940	-26.326	-1.053	-0.078	-0.313	-1.934

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
		Valor máximo de la envolvente	12.923	26.081	0.219	0.139	1.088	1.977
N612	Desplazamientos	Valor mínimo de la envolvente	-8.040	-25.945	-0.853	0.021	-0.460	-2.106
		Valor máximo de la envolvente	7.815	25.759	0.483	0.181	0.724	2.078
N613	Desplazamientos	Valor mínimo de la envolvente	-8.763	-26.051	-0.826	-0.116	-0.461	-2.112
		Valor máximo de la envolvente	8.510	25.865	0.338	0.298	0.806	2.085
N614	Desplazamientos	Valor mínimo de la envolvente	-9.581	-26.100	-0.656	-0.393	-0.418	-2.096
		Valor máximo de la envolvente	9.298	25.907	0.060	0.552	0.847	2.065
N615	Desplazamientos	Valor mínimo de la envolvente	-10.557	-26.160	-0.593	-0.418	-0.366	-2.068
		Valor máximo de la envolvente	10.243	25.960	-0.090	0.546	0.880	2.039
N616	Desplazamientos	Valor mínimo de la envolvente	-11.252	-26.167	-0.753	-0.398	-0.359	-2.036
		Valor máximo de la envolvente	10.907	25.959	-0.001	0.493	0.955	2.001
N617	Desplazamientos	Valor mínimo de la envolvente	-12.070	-26.184	-1.041	-0.124	-0.334	-2.021
		Valor máximo de la envolvente	11.694	25.969	0.239	0.191	1.009	1.991
N618	Desplazamientos	Valor mínimo de la envolvente	-12.880	-26.141	-1.067	-0.094	-0.357	-2.071
		Valor máximo de la envolvente	12.463	25.920	0.233	0.122	1.134	1.971
N619	Desplazamientos	Valor mínimo de la envolvente	-8.231	-26.012	-0.795	0.002	-0.428	-2.107
		Valor máximo de la envolvente	8.139	25.753	0.530	0.152	0.695	2.110
N620	Desplazamientos	Valor mínimo de la envolvente	-8.958	-25.959	-0.731	-0.190	-0.455	-2.118
		Valor máximo de la envolvente	8.878	25.703	0.381	0.324	0.801	2.120
N621	Desplazamientos	Valor mínimo de la envolvente	-9.759	-25.901	-0.541	-0.363	-0.420	-2.103
		Valor máximo de la envolvente	9.691	25.650	0.118	0.472	0.850	2.101
N622	Desplazamientos	Valor mínimo de la envolvente	-10.570	-25.887	-0.331	-0.468	-0.369	-2.068
		Valor máximo de la envolvente	10.513	25.640	-0.147	0.548	0.884	2.069
N623	Desplazamientos	Valor mínimo de la envolvente	-11.384	-25.859	-0.628	-0.370	-0.361	-2.044
		Valor máximo de la envolvente	11.337	25.619	0.114	0.421	0.958	2.039
N624	Desplazamientos	Valor mínimo de la envolvente	-12.187	-25.878	-0.827	-0.206	-0.334	-2.005
		Valor máximo de la envolvente	12.150	25.640	0.294	0.233	1.010	2.014
N625	Desplazamientos	Valor mínimo de la envolvente	-12.941	-25.884	-0.948	-0.071	-0.316	-1.932
		Valor máximo de la envolvente	12.922	25.648	0.406	0.096	1.072	1.934
N626	Desplazamientos	Valor mínimo de la envolvente	-8.040	-25.882	-0.805	-0.075	-0.471	-2.097
		Valor máximo de la envolvente	7.815	25.693	0.540	0.229	0.737	2.070
N627	Desplazamientos	Valor mínimo de la envolvente	-8.762	-25.986	-0.730	-0.178	-0.456	-2.115
		Valor máximo de la envolvente	8.509	25.795	0.380	0.311	0.802	2.088
N628	Desplazamientos	Valor mínimo de la envolvente	-9.581	-26.021	-0.543	-0.374	-0.416	-2.095
		Valor máximo de la envolvente	9.298	25.824	0.119	0.484	0.847	2.064
N629	Desplazamientos	Valor mínimo de la envolvente	-10.424	-26.041	-0.331	-0.459	-0.366	-2.069
		Valor máximo de la envolvente	10.111	25.836	-0.147	0.539	0.881	2.039
N630	Desplazamientos	Valor mínimo de la envolvente	-11.252	-25.984	-0.626	-0.382	-0.358	-2.035
		Valor máximo de la envolvente	10.907	25.775	0.112	0.433	0.956	2.002
N631	Desplazamientos	Valor mínimo de la envolvente	-12.070	-25.912	-0.823	-0.189	-0.332	-2.027
		Valor máximo de la envolvente	11.694	25.697	0.290	0.217	1.011	1.987
N632	Desplazamientos	Valor mínimo de la envolvente	-12.880	-25.764	-0.953	-0.080	-0.357	-2.038
		Valor máximo de la envolvente	12.464	25.549	0.412	0.101	1.104	2.008
N633	Desplazamientos	Valor mínimo de la envolvente	-7.737	-26.632	-3.616	-2.469	-0.387	-2.129
		Valor máximo de la envolvente	7.740	26.343	3.262	2.202	0.635	2.110
N634	Desplazamientos	Valor mínimo de la envolvente	-15.155	-26.499	-3.595	-1.863	-0.158	-2.146
		Valor máximo de la envolvente	15.384	26.233	2.572	2.293	0.923	2.142
N635	Desplazamientos	Valor mínimo de la envolvente	-7.937	-28.328	-4.936	-3.430	-0.141	-2.165
		Valor máximo de la envolvente	7.995	28.015	4.025	2.850	0.506	2.144

Envolvente de los desplazamientos en nudos								
Referencia	Combinación		Desplazamientos en ejes globales					
	Tipo	Descripción	Dx (mm)	Dy (mm)	Dz (mm)	Gx (mRad)	Gy (mRad)	Gz (mRad)
N636	Desplazamientos	Valor mínimo de la envolvente	-8.115	-31.033	-6.767	-4.525	-0.092	-2.341
		Valor máximo de la envolvente	8.250	30.707	5.296	3.822	0.439	2.301
N637	Desplazamientos	Valor mínimo de la envolvente	-8.184	-33.530	-8.385	-5.504	-0.110	-2.453
		Valor máximo de la envolvente	8.341	33.183	6.486	4.710	0.305	2.395
N638	Desplazamientos	Valor mínimo de la envolvente	-8.213	-35.688	-9.599	-6.288	-0.163	-2.501
		Valor máximo de la envolvente	8.326	35.319	7.525	5.453	0.193	2.446
N639	Desplazamientos	Valor mínimo de la envolvente	-8.211	-37.448	-10.186	-6.692	-0.215	-2.457
		Valor máximo de la envolvente	8.204	37.067	8.155	5.872	0.218	2.457
N640	Desplazamientos	Valor mínimo de la envolvente	-8.342	-35.815	-9.663	-6.331	-0.219	-2.452
		Valor máximo de la envolvente	8.208	35.447	7.554	5.470	0.194	2.511
N641	Desplazamientos	Valor mínimo de la envolvente	-8.366	-33.773	-8.513	-5.589	-0.297	-2.403
		Valor máximo de la envolvente	8.179	33.428	6.543	4.745	0.106	2.470
N642	Desplazamientos	Valor mínimo de la envolvente	-8.285	-31.381	-6.943	-4.644	-0.435	-2.306
		Valor máximo de la envolvente	8.108	31.058	5.377	3.874	0.091	2.365
N643	Desplazamientos	Valor mínimo de la envolvente	-8.024	-28.749	-5.053	-3.501	-0.491	-2.149
		Valor máximo de la envolvente	7.935	28.444	4.113	2.909	0.116	2.176
N644	Desplazamientos	Valor mínimo de la envolvente	-7.758	-27.089	-3.701	-2.529	-0.622	-2.124
		Valor máximo de la envolvente	7.727	26.800	3.336	2.255	0.369	2.147
N645	Desplazamientos	Valor mínimo de la envolvente	-15.207	-28.428	-4.730	-2.169	-0.042	-2.272
		Valor máximo de la envolvente	15.505	28.134	2.799	2.922	0.582	2.282
N646	Desplazamientos	Valor mínimo de la envolvente	-15.156	-31.055	-6.420	-3.057	-0.140	-2.430
		Valor máximo de la envolvente	15.456	30.730	3.917	3.939	0.367	2.467
N647	Desplazamientos	Valor mínimo de la envolvente	-15.119	-33.519	-7.960	-3.991	-0.235	-2.523
		Valor máximo de la envolvente	15.350	33.171	5.238	4.966	0.178	2.579
N648	Desplazamientos	Valor mínimo de la envolvente	-15.075	-35.667	-9.182	-4.856	-0.389	-2.577
		Valor máximo de la envolvente	15.188	35.299	6.547	5.873	0.199	2.632
N649	Desplazamientos	Valor mínimo de la envolvente	-15.025	-37.429	-9.876	-5.415	-0.311	-2.588
		Valor máximo de la envolvente	15.001	37.029	7.433	6.417	0.321	2.589
N650	Desplazamientos	Valor mínimo de la envolvente	-15.223	-35.794	-9.249	-4.872	-0.193	-2.638
		Valor máximo de la envolvente	15.053	35.427	6.564	5.911	0.400	2.581
N651	Desplazamientos	Valor mínimo de la envolvente	-15.394	-33.763	-8.092	-4.024	-0.165	-2.594
		Valor máximo de la envolvente	15.095	33.417	5.276	5.044	0.237	2.530
N652	Desplazamientos	Valor mínimo de la envolvente	-15.512	-31.405	-6.602	-3.107	-0.363	-2.490
		Valor máximo de la envolvente	15.128	31.081	3.979	4.048	0.139	2.436
N653	Desplazamientos	Valor mínimo de la envolvente	-15.553	-28.858	-4.856	-2.229	-0.596	-2.288
		Valor máximo de la envolvente	15.179	28.561	2.876	2.988	0.033	2.270
N654	Desplazamientos	Valor mínimo de la envolvente	-15.426	-26.962	-3.674	-1.909	-0.940	-2.148
		Valor máximo de la envolvente	15.128	26.694	2.637	2.340	0.148	2.144

2.3.1.2. Reacciones

Referencias:

Rx, Ry, Rz: Reacciones en nudos con desplazamientos coaccionados (fuerzas).
Mx, My, Mz: Reacciones en nudos con giros coaccionados (momentos).

2.3.1.2.1. Hipótesis

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
N1	Peso propio	0.045	0.002	1.430	0.00	0.01	0.00
	CM 1	0.126	0.005	0.389	0.00	0.04	0.00
	Q 1	0.035	0.001	0.505	0.00	0.01	0.00
	V 1	-0.048	-0.001	-0.670	0.00	-0.02	0.00
	V 2	0.048	0.001	0.670	0.00	0.02	0.00
	Sismo X: Modo 1	-0.004	-0.008	-0.287	0.00	0.00	0.00
	Sismo X: Modo 2	-4.836	1.589	-46.116	-0.69	-1.78	-0.06
	Sismo X: Modo 3	0.750	1.295	38.673	-0.57	0.25	-0.04
	Sismo Y: Modo 1	-1.152	-2.140	-74.081	1.10	-0.30	-0.06
	Sismo Y: Modo 2	-0.015	0.005	-0.141	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.009	0.015	0.459	-0.01	0.00	0.00
N39	Peso propio	-0.045	0.002	1.432	0.00	-0.01	0.00
	CM 1	-0.119	0.006	0.204	0.00	-0.04	0.00
	Q 1	-0.035	0.002	0.516	0.00	-0.01	0.00
	V 1	0.047	-0.002	-0.688	0.00	0.02	0.00
	V 2	-0.047	0.002	0.688	0.00	-0.02	0.00
	Sismo X: Modo 1	0.004	-0.009	-0.290	0.00	0.00	0.00
	Sismo X: Modo 2	-4.898	-1.591	46.576	0.69	-1.79	-0.06
	Sismo X: Modo 3	0.741	-1.248	-37.664	0.55	0.25	-0.04
	Sismo Y: Modo 1	1.106	-2.210	-74.785	1.13	0.28	0.07
	Sismo Y: Modo 2	-0.015	-0.005	0.142	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.009	-0.015	-0.447	0.01	0.00	0.00
N50	Peso propio	-0.032	0.003	0.608	0.00	-0.01	0.00
	CM 1	-0.110	0.010	-1.735	0.00	-0.04	0.00
	Q 1	-0.031	0.000	-0.260	0.00	-0.01	0.00
	V 1	0.042	0.000	0.366	0.00	0.02	0.00
	V 2	-0.042	0.000	-0.366	0.00	-0.02	0.00
	Sismo X: Modo 1	0.003	-0.012	-0.243	0.01	0.00	0.00
	Sismo X: Modo 2	-4.569	-0.951	-88.811	0.46	-1.73	-0.06
	Sismo X: Modo 3	0.570	-0.850	-14.642	0.40	0.21	-0.04
	Sismo Y: Modo 1	0.693	-3.172	-62.614	1.37	0.20	0.05
	Sismo Y: Modo 2	-0.014	-0.003	-0.272	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.007	-0.010	-0.174	0.00	0.00	0.00
N85	Peso propio	0.032	0.003	0.606	0.00	0.01	0.00
	CM 1	0.116	0.010	-1.774	0.00	0.04	0.00
	Q 1	0.031	0.000	-0.272	0.00	0.01	0.00
	V 1	-0.042	0.000	0.386	0.00	-0.02	0.00
	V 2	0.042	0.000	-0.386	0.00	0.02	0.00
	Sismo X: Modo 1	-0.003	-0.012	-0.236	0.01	0.00	0.00
	Sismo X: Modo 2	-4.517	0.958	90.452	-0.47	-1.72	-0.06
	Sismo X: Modo 3	0.575	0.827	15.401	-0.40	0.21	-0.04

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	Sismo Y: Modo 1	-0.741	-3.078	-60.865	1.33	-0.21	-0.05
	Sismo Y: Modo 2	-0.014	0.003	0.277	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.007	0.010	0.183	0.00	0.00	0.00
N95	Peso propio	0.128	0.020	4.967	-0.01	0.04	0.00
	CM 1	0.625	-0.010	16.848	0.00	0.19	0.00
	Q 1	0.074	0.001	2.393	0.00	0.02	0.00
	V 1	-0.107	-0.002	-3.386	0.00	-0.03	0.00
	V 2	0.107	0.002	3.386	0.00	0.03	0.00
	Sismo X: Modo 1	-0.005	-0.021	-0.422	0.01	0.00	0.00
	Sismo X: Modo 2	-5.418	1.856	-38.201	-0.75	-1.99	-0.06
	Sismo X: Modo 3	0.770	1.579	33.373	-0.64	0.26	-0.04
	Sismo Y: Modo 1	-1.219	-5.391	-108.794	2.35	-0.29	-0.04
	Sismo Y: Modo 2	-0.017	0.006	-0.117	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.009	0.019	0.396	-0.01	0.00	0.00
N105	Peso propio	0.092	0.020	2.918	-0.01	0.03	0.00
	CM 1	0.495	-0.002	7.206	0.00	0.16	0.00
	Q 1	0.058	0.001	1.079	0.00	0.02	0.00
	V 1	-0.083	-0.001	-1.514	0.00	-0.03	0.00
	V 2	0.083	0.001	1.514	0.00	0.03	0.00
	Sismo X: Modo 1	-0.003	-0.023	-0.362	0.01	0.00	0.00
	Sismo X: Modo 2	-5.092	1.119	105.973	-0.50	-1.93	-0.06
	Sismo X: Modo 3	0.621	1.101	9.756	-0.48	0.23	-0.04
	Sismo Y: Modo 1	-0.677	-6.017	-93.442	2.47	-0.18	-0.02
	Sismo Y: Modo 2	-0.016	0.003	0.324	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.007	0.013	0.116	-0.01	0.00	0.00
N115	Peso propio	-0.128	0.019	4.964	-0.01	-0.04	0.00
	CM 1	-0.634	-0.009	17.221	0.00	-0.19	0.00
	Q 1	-0.075	-0.005	2.373	0.00	-0.02	0.00
	V 1	0.107	0.007	-3.353	0.00	0.03	0.00
	V 2	-0.107	-0.007	3.353	0.00	-0.03	0.00
	Sismo X: Modo 1	0.005	-0.021	-0.424	0.01	0.00	0.00
	Sismo X: Modo 2	-5.438	-1.817	38.918	0.73	-1.99	-0.06
	Sismo X: Modo 3	0.766	-1.518	-32.405	0.62	0.26	-0.04
	Sismo Y: Modo 1	1.173	-5.478	-109.425	2.38	0.27	0.05
	Sismo Y: Modo 2	-0.017	-0.006	0.119	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.009	-0.018	-0.384	0.01	0.00	0.00
N125	Peso propio	-0.092	0.019	2.915	-0.01	-0.03	0.00
	CM 1	-0.501	-0.002	7.548	0.00	-0.17	0.00
	Q 1	-0.058	-0.005	1.059	0.00	-0.02	0.00
	V 1	0.084	0.007	-1.483	0.00	0.03	0.00
	V 2	-0.084	-0.007	1.483	0.00	-0.03	0.00

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	Sismo X: Modo 1	0.002	-0.024	-0.370	0.01	0.00	0.00
	Sismo X: Modo 2	-5.108	-1.110	-104.799	0.49	-1.93	-0.06
	Sismo X: Modo 3	0.621	-1.105	-8.961	0.47	0.23	-0.04
	Sismo Y: Modo 1	0.629	-6.167	-95.308	2.52	0.16	0.02
	Sismo Y: Modo 2	-0.016	-0.003	-0.321	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.007	-0.013	-0.106	0.01	0.00	0.00
N173	Peso propio	0.044	0.001	1.442	0.00	0.01	0.00
	CM 1	0.116	0.005	-0.200	0.00	0.04	0.00
	Q 1	0.036	0.001	0.494	0.00	0.01	0.00
	V 1	-0.049	-0.001	-0.658	0.00	-0.02	0.00
	V 2	0.049	0.001	0.658	0.00	0.02	0.00
	Sismo X: Modo 1	0.004	-0.008	0.277	0.00	0.00	0.00
	Sismo X: Modo 2	-4.690	1.589	-109.387	-0.69	-1.67	-0.06
	Sismo X: Modo 3	0.819	1.295	-13.294	-0.57	0.32	-0.04
	Sismo Y: Modo 1	0.947	-2.140	71.441	1.10	0.23	-0.06
	Sismo Y: Modo 2	-0.014	0.005	-0.335	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.010	0.015	-0.158	-0.01	0.00	0.00
N211	Peso propio	-0.045	0.001	1.440	0.00	-0.01	0.00
	CM 1	-0.110	0.006	-0.410	0.00	-0.04	0.00
	Q 1	-0.036	0.002	0.484	0.00	-0.01	0.00
	V 1	0.049	-0.002	-0.641	0.00	0.02	0.00
	V 2	-0.049	0.002	0.641	0.00	-0.02	0.00
	Sismo X: Modo 1	-0.004	-0.009	0.285	0.00	0.00	0.00
	Sismo X: Modo 2	-4.696	-1.591	107.958	0.69	-1.67	-0.06
	Sismo X: Modo 3	0.746	-1.249	12.553	0.55	0.30	-0.04
	Sismo Y: Modo 1	-1.041	-2.210	73.481	1.13	-0.26	0.07
	Sismo Y: Modo 2	-0.014	-0.005	0.330	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.009	-0.015	0.149	0.01	0.00	0.00
N222	Peso propio	-0.032	0.001	0.616	0.00	-0.01	0.00
	CM 1	-0.104	0.010	-2.252	0.00	-0.04	0.00
	Q 1	-0.032	0.000	-0.302	0.00	-0.01	0.00
	V 1	0.044	0.000	0.428	0.00	0.02	0.00
	V 2	-0.044	0.000	-0.428	0.00	-0.02	0.00
	Sismo X: Modo 1	-0.002	-0.012	0.244	0.01	0.00	0.00
	Sismo X: Modo 2	-4.137	-0.952	-29.475	0.47	-1.56	-0.06
	Sismo X: Modo 3	0.778	-0.851	33.467	0.40	0.30	-0.04
	Sismo Y: Modo 1	-0.639	-3.173	62.928	1.37	-0.18	0.05
	Sismo Y: Modo 2	-0.013	-0.003	-0.090	0.00	0.00	0.00
	Sismo Y: Modo 3	0.009	-0.010	0.397	0.00	0.00	0.00
N257	Peso propio	0.032	0.001	0.619	0.00	0.01	0.00
	CM 1	0.110	0.010	-2.263	0.00	0.04	0.00

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	Q 1	0.032	0.000	-0.289	0.00	0.01	0.00
	V 1	-0.043	0.000	0.407	0.00	-0.02	0.00
	V 2	0.043	0.000	-0.407	0.00	0.02	0.00
	Sismo X: Modo 1	0.002	-0.012	0.241	0.01	0.00	0.00
	Sismo X: Modo 2	-4.129	0.958	29.129	-0.47	-1.56	-0.06
	Sismo X: Modo 3	0.847	0.827	-34.596	-0.40	0.33	-0.04
	Sismo Y: Modo 1	0.560	-3.078	62.259	1.33	0.15	-0.05
	Sismo Y: Modo 2	-0.013	0.003	0.089	0.00	0.00	0.00
	Sismo Y: Modo 3	0.010	0.010	-0.410	0.00	0.00	0.00
N267	Peso propio	0.127	0.018	4.781	-0.01	0.04	0.00
	CM 1	0.611	-0.010	16.242	0.00	0.19	0.00
	Q 1	0.075	0.001	2.402	0.00	0.02	0.00
	V 1	-0.108	-0.002	-3.393	0.00	-0.03	0.00
	V 2	0.108	0.002	3.393	0.00	0.03	0.00
	Sismo X: Modo 1	0.004	-0.021	0.368	0.01	0.00	0.00
	Sismo X: Modo 2	-5.044	1.856	-87.750	-0.75	-1.83	-0.06
	Sismo X: Modo 3	0.923	1.579	-10.425	-0.64	0.35	-0.04
	Sismo Y: Modo 1	0.975	-5.391	94.952	2.35	0.22	-0.04
	Sismo Y: Modo 2	-0.015	0.006	-0.268	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.011	0.019	-0.124	-0.01	0.00	0.00
N277	Peso propio	0.091	0.019	2.755	-0.01	0.03	0.00
	CM 1	0.485	-0.002	6.728	0.00	0.16	0.00
	Q 1	0.058	0.001	1.082	0.00	0.02	0.00
	V 1	-0.084	-0.001	-1.514	0.00	-0.03	0.00
	V 2	0.084	0.001	1.514	0.00	0.03	0.00
	Sismo X: Modo 1	0.002	-0.023	0.326	0.01	0.00	0.00
	Sismo X: Modo 2	-4.565	1.119	56.185	-0.50	-1.73	-0.06
	Sismo X: Modo 3	0.926	1.101	-33.015	-0.48	0.35	-0.04
	Sismo Y: Modo 1	0.517	-6.017	84.113	2.47	0.13	-0.02
	Sismo Y: Modo 2	-0.014	0.003	0.172	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.011	0.013	-0.392	-0.01	0.00	0.00
N287	Peso propio	-0.127	0.017	4.784	-0.01	-0.04	0.00
	CM 1	-0.622	-0.009	16.616	0.00	-0.19	0.00
	Q 1	-0.075	-0.005	2.421	0.00	-0.02	0.00
	V 1	0.108	0.007	-3.423	0.00	0.03	0.00
	V 2	-0.108	-0.007	3.423	0.00	-0.03	0.00
	Sismo X: Modo 1	-0.004	-0.021	0.374	0.01	0.00	0.00
	Sismo X: Modo 2	-5.040	-1.817	86.367	0.73	-1.83	-0.06
	Sismo X: Modo 3	0.879	-1.518	9.623	0.62	0.34	-0.04
	Sismo Y: Modo 1	-1.071	-5.478	96.461	2.38	-0.25	0.04
	Sismo Y: Modo 2	-0.015	-0.006	0.264	0.00	-0.01	0.00

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	Sismo Y: Modo 3	0.010	-0.018	0.114	0.01	0.00	0.00
N297	Peso propio	-0.091	0.017	2.759	-0.01	-0.03	0.00
	CM 1	-0.493	-0.002	7.055	0.00	-0.16	0.00
	Q 1	-0.058	-0.005	1.102	0.00	-0.02	0.00
	V 1	0.084	0.007	-1.546	0.00	0.03	0.00
	V 2	-0.084	-0.007	1.546	0.00	-0.03	0.00
	Sismo X: Modo 1	-0.002	-0.024	0.327	0.01	0.00	0.00
	Sismo X: Modo 2	-4.565	-1.106	-56.974	0.49	-1.73	-0.06
	Sismo X: Modo 3	0.885	-1.102	32.117	0.47	0.34	-0.04
	Sismo Y: Modo 1	-0.599	-6.161	84.332	2.52	-0.16	0.02
	Sismo Y: Modo 2	-0.014	-0.003	-0.174	0.00	-0.01	0.00
	Sismo Y: Modo 3	0.010	-0.013	0.381	0.01	0.00	0.00
N383	Peso propio	0.165	-0.019	4.743	0.01	0.05	0.00
	CM 1	0.036	-0.005	1.236	0.00	0.01	0.00
	Q 1	0.068	-0.002	2.438	0.00	0.02	0.00
	V 1	-0.101	0.003	-3.446	0.00	-0.03	0.00
	V 2	0.101	-0.003	3.446	0.00	0.03	0.00
	Sismo X: Modo 1	-0.003	-0.021	-0.360	0.01	0.00	0.00
	Sismo X: Modo 2	-1.570	1.888	2.604	-0.76	-0.58	-0.07
	Sismo X: Modo 3	1.821	1.615	49.282	-0.66	0.65	-0.04
	Sismo Y: Modo 1	-0.664	-5.518	-92.921	2.38	-0.13	0.01
	Sismo Y: Modo 2	-0.005	0.006	0.008	0.00	0.00	0.00
	Sismo Y: Modo 3	0.022	0.019	0.584	-0.01	0.01	0.00
N393	Peso propio	0.127	-0.021	2.107	0.01	0.04	0.00
	CM 1	0.028	-0.001	0.633	0.00	0.01	0.00
	Q 1	0.051	-0.001	1.238	0.00	0.02	0.00
	V 1	-0.077	0.002	-1.695	0.00	-0.03	0.00
	V 2	0.077	-0.002	1.695	0.00	0.03	0.00
	Sismo X: Modo 1	-0.001	-0.021	-0.327	0.01	0.00	0.00
	Sismo X: Modo 2	-1.521	1.125	42.712	-0.51	-0.57	-0.07
	Sismo X: Modo 3	1.589	1.104	-6.356	-0.48	0.60	-0.05
	Sismo Y: Modo 1	-0.244	-5.527	-84.446	2.31	-0.04	0.03
	Sismo Y: Modo 2	-0.005	0.003	0.131	0.00	0.00	0.00
	Sismo Y: Modo 3	0.019	0.013	-0.075	-0.01	0.01	0.00
N403	Peso propio	-0.165	-0.018	4.746	0.01	-0.05	0.00
	CM 1	-0.033	-0.003	1.204	0.00	-0.01	0.00
	Q 1	-0.068	0.004	2.453	0.00	-0.02	0.00
	V 1	0.100	-0.006	-3.469	0.00	0.03	0.00
	V 2	-0.100	0.006	3.469	0.00	-0.03	0.00
	Sismo X: Modo 1	0.003	-0.022	-0.367	0.01	0.00	0.00
	Sismo X: Modo 2	-1.605	-1.839	-1.623	0.74	-0.59	-0.06

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	Sismo X: Modo 3	1.853	-1.529	-48.365	0.62	0.66	-0.04
	Sismo Y: Modo 1	0.706	-5.604	-94.670	2.41	0.14	-0.01
	Sismo Y: Modo 2	-0.005	-0.006	-0.005	0.00	0.00	0.00
	Sismo Y: Modo 3	0.022	-0.018	-0.574	0.01	0.01	0.00
N413	Peso propio	-0.127	-0.020	2.110	0.01	-0.04	0.00
	CM 1	-0.025	0.000	0.684	0.00	-0.01	0.00
	Q 1	-0.051	0.004	1.251	0.00	-0.02	0.00
	V 1	0.077	-0.006	-1.713	0.00	0.03	0.00
	V 2	-0.077	0.006	1.713	0.00	-0.03	0.00
	Sismo X: Modo 1	0.001	-0.022	-0.328	0.01	0.00	0.00
	Sismo X: Modo 2	-1.550	-1.098	-41.730	0.49	-0.58	-0.06
	Sismo X: Modo 3	1.622	-1.113	7.171	0.48	0.61	-0.04
	Sismo Y: Modo 1	0.277	-5.654	-84.660	2.35	0.05	-0.03
	Sismo Y: Modo 2	-0.005	-0.003	-0.128	0.00	0.00	0.00
	Sismo Y: Modo 3	0.019	-0.013	0.085	0.01	0.01	0.00
N499	Peso propio	0.168	-0.021	4.942	0.01	0.05	0.00
	CM 1	0.027	-0.005	0.627	0.00	0.01	0.00
	Q 1	0.067	-0.002	2.456	0.00	0.02	0.00
	V 1	-0.100	0.003	-3.471	0.00	-0.03	0.00
	V 2	0.100	-0.003	3.471	0.00	0.03	0.00
	Sismo X: Modo 1	0.003	-0.021	0.416	0.01	0.00	0.00
	Sismo X: Modo 2	-1.183	1.888	-46.853	-0.76	-0.42	-0.07
	Sismo X: Modo 3	2.025	1.615	5.378	-0.66	0.75	-0.04
	Sismo Y: Modo 1	0.880	-5.518	107.241	2.38	0.18	0.01
	Sismo Y: Modo 2	-0.004	0.006	-0.143	0.00	0.00	0.00
	Sismo Y: Modo 3	0.024	0.019	0.064	-0.01	0.01	0.00
N509	Peso propio	0.129	-0.022	2.275	0.01	0.04	0.00
	CM 1	0.022	-0.001	0.120	0.00	0.01	0.00
	Q 1	0.051	-0.001	1.261	0.00	0.02	0.00
	V 1	-0.076	0.002	-1.726	0.00	-0.03	0.00
	V 2	0.076	-0.002	1.726	0.00	0.03	0.00
	Sismo X: Modo 1	0.001	-0.021	0.367	0.01	0.00	0.00
	Sismo X: Modo 2	-0.983	1.125	-7.404	-0.51	-0.38	-0.07
	Sismo X: Modo 3	1.941	1.104	-49.204	-0.48	0.74	-0.05
	Sismo Y: Modo 1	0.375	-5.527	94.558	2.31	0.08	0.03
	Sismo Y: Modo 2	-0.003	0.003	-0.023	0.00	0.00	0.00
	Sismo Y: Modo 3	0.023	0.013	-0.583	-0.01	0.01	0.00
N519	Peso propio	-0.168	-0.020	4.939	0.01	-0.05	0.00
	CM 1	-0.024	-0.003	0.591	0.00	-0.01	0.00
	Q 1	-0.067	0.004	2.444	0.00	-0.02	0.00
	V 1	0.100	-0.006	-3.454	0.00	0.03	0.00

Reacciones en los nudos, por hipótesis							
Referencia	Descripción	Reacciones en ejes globales					
		Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	V 2	-0.100	0.006	3.454	0.00	-0.03	0.00
	Sismo X: Modo 1	-0.003	-0.022	0.418	0.01	0.00	0.00
	Sismo X: Modo 2	-1.185	-1.839	45.870	0.74	-0.42	-0.06
	Sismo X: Modo 3	1.950	-1.528	-6.320	0.62	0.73	-0.04
	Sismo Y: Modo 1	-0.867	-5.604	107.730	2.41	-0.17	-0.01
	Sismo Y: Modo 2	-0.004	-0.006	0.140	0.00	0.00	0.00
	Sismo Y: Modo 3	0.023	-0.018	-0.075	0.01	0.01	0.00
N529	Peso propio	-0.129	-0.021	2.273	0.01	-0.04	0.00
	CM 1	-0.020	0.000	0.162	0.00	-0.01	0.00
	Q 1	-0.051	0.004	1.246	0.00	-0.02	0.00
	V 1	0.076	-0.006	-1.704	0.00	0.03	0.00
	V 2	-0.076	0.006	1.704	0.00	-0.03	0.00
	Sismo X: Modo 1	-0.001	-0.022	0.374	0.01	0.00	0.00
	Sismo X: Modo 2	-0.987	-1.095	6.379	0.49	-0.38	-0.06
	Sismo X: Modo 3	1.871	-1.110	48.453	0.48	0.72	-0.04
	Sismo Y: Modo 1	-0.356	-5.649	96.515	2.35	-0.07	-0.03
	Sismo Y: Modo 2	-0.003	-0.003	0.020	0.00	0.00	0.00
	Sismo Y: Modo 3	0.022	-0.013	0.575	0.01	0.01	0.00

2.3.1.2.2. Envolventes

Envolventes de las reacciones en nudos									
Referencia	Combinación		Reacciones en ejes globales					
	Tipo	Descripción	Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
N1	Hormigón en cimentaciones	Valor mínimo de la envolvente	-5.242	-2.547	-76.904	-1.17	-1.91	-0.09
		Valor máximo de la envolvente	5.618	2.563	80.976	1.17	2.04	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.618	-1.684	-50.788	-0.77	-1.32	-0.06
		Valor máximo de la envolvente	3.892	1.696	53.698	0.76	1.42	0.06
N39	Hormigón en cimentaciones	Valor mínimo de la envolvente	-5.659	-2.522	-77.708	-1.20	-2.04	-0.08
		Valor máximo de la envolvente	5.298	2.540	81.401	1.19	1.92	0.08
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.921	-1.660	-51.391	-0.79	-1.42	-0.06
		Valor máximo de la envolvente	3.659	1.673	54.007	0.79	1.33	0.06
N50	Hormigón en cimentaciones	Valor mínimo de la envolvente	-5.030	-3.296	-106.327	-1.44	-1.90	-0.08
		Valor máximo de la envolvente	4.716	3.323	103.831	1.43	1.79	0.08
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.517	-2.213	-70.206	-0.96	-1.33	-0.06
		Valor máximo de la envolvente	3.289	2.233	68.403	0.95	1.25	0.06
N85	Hormigón en cimentaciones	Valor mínimo de la envolvente	-4.662	-3.206	-108.402	-1.40	-1.77	-0.09
		Valor máximo de la envolvente	4.990	3.234	105.813	1.39	1.89	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.250	-2.147	-71.679	-0.94	-1.24	-0.06
		Valor máximo de la envolvente	3.488	2.168	69.810	0.93	1.32	0.06
N95	Hormigón en cimentaciones	Valor mínimo de la envolvente	-5.360	-5.513	-91.906	-2.41	-1.99	-0.09
		Valor máximo de la envolvente	6.978	5.533	138.914	2.40	2.47	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.689	-3.773	-63.086	-1.65	-1.38	-0.06
		Valor máximo de la envolvente	4.894	3.788	97.991	1.64	1.74	0.06
N105	Hormigón en cimentaciones	Valor mínimo de la envolvente	-4.860	-6.143	-106.499	-2.54	-1.86	-0.09
		Valor máximo de la envolvente	6.121	6.183	128.299	2.53	2.28	0.09

Envolventes de las reacciones en nudos								
Referencia	Combinación		Reacciones en ejes globales					
	Tipo	Descripción	Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.403	-4.202	-72.667	-1.74	-1.30	-0.06
		Valor máximo de la envolvente	4.343	4.232	88.865	1.72	1.61	0.06
N115	Hormigón en cimentaciones	Valor mínimo de la envolvente	-6.953	-5.592	-92.190	-2.44	-2.46	-0.09
		Valor máximo de la envolvente	5.315	5.614	139.965	2.43	1.96	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-4.912	-3.833	-63.307	-1.67	-1.74	-0.06
		Valor máximo de la envolvente	3.692	3.849	98.802	1.66	1.37	0.06
N125	Hormigón en cimentaciones	Valor mínimo de la envolvente	-6.144	-6.291	-104.878	-2.59	-2.28	-0.09
		Valor máximo de la envolvente	4.869	6.327	127.379	2.57	1.86	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-4.361	-4.308	-71.286	-1.77	-1.62	-0.06
		Valor máximo de la envolvente	3.411	4.335	88.026	1.76	1.30	0.06
N173	Hormigón en cimentaciones	Valor mínimo de la envolvente	-4.957	-2.549	-121.446	-1.20	-1.78	-0.09
		Valor máximo de la envolvente	5.313	2.562	124.301	1.19	1.90	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.454	-1.685	-81.828	-0.77	-1.24	-0.06
		Valor máximo de la envolvente	3.711	1.694	83.815	0.76	1.33	0.06
N211	Hormigón en cimentaciones	Valor mínimo de la envolvente	-5.276	-2.524	-119.965	-1.22	-1.89	-0.08
		Valor máximo de la envolvente	4.934	2.539	122.369	1.21	1.77	0.08
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.682	-1.661	-80.671	-0.79	-1.32	-0.06
		Valor máximo de la envolvente	3.436	1.672	82.318	0.79	1.24	0.06
N222	Hormigón en cimentaciones	Valor mínimo de la envolvente	-4.701	-3.232	-68.063	-1.41	-1.77	-0.08
		Valor máximo de la envolvente	4.398	3.255	64.477	1.40	1.67	0.08
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.287	-2.215	-45.947	-0.96	-1.24	-0.06
		Valor máximo de la envolvente	3.069	2.232	43.330	0.95	1.16	0.06
N257	Hormigón en cimentaciones	Valor mínimo de la envolvente	-4.420	-3.137	-67.478	-1.37	-1.68	-0.09
		Valor máximo de la envolvente	4.734	3.160	63.881	1.36	1.79	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.085	-2.149	-45.489	-0.94	-1.17	-0.06
		Valor máximo de la envolvente	3.313	2.166	42.858	0.93	1.25	0.06
N267	Hormigón en cimentaciones	Valor mínimo de la envolvente	-4.841	-5.577	-87.179	-2.43	-1.80	-0.09
		Valor máximo de la envolvente	6.427	5.595	132.528	2.42	2.28	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.390	-3.774	-53.868	-1.65	-1.26	-0.06
		Valor máximo de la envolvente	4.570	3.787	87.504	1.64	1.62	0.06
N277	Hormigón en cimentaciones	Valor mínimo de la envolvente	-4.559	-6.071	-80.168	-2.51	-1.76	-0.09
		Valor máximo de la envolvente	5.798	6.107	100.622	2.49	2.17	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-3.228	-4.203	-53.208	-1.74	-1.24	-0.06
		Valor máximo de la envolvente	4.150	4.230	68.380	1.73	1.55	0.06
N287	Hormigón en cimentaciones	Valor mínimo de la envolvente	-6.418	-5.654	-85.481	-2.46	-2.27	-0.09
		Valor máximo de la envolvente	4.807	5.672	131.633	2.45	1.79	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-4.563	-3.833	-54.697	-1.67	-1.61	-0.06
		Valor máximo de la envolvente	3.364	3.847	88.938	1.66	1.25	0.06
N297	Hormigón en cimentaciones	Valor mínimo de la envolvente	-5.773	-6.215	-80.090	-2.56	-2.16	-0.09
		Valor máximo de la envolvente	4.517	6.248	101.249	2.54	1.74	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-4.138	-4.305	-53.163	-1.77	-1.54	-0.06
		Valor máximo de la envolvente	3.203	4.330	68.864	1.76	1.23	0.06
N383	Hormigón en cimentaciones	Valor mínimo de la envolvente	-2.682	-5.688	-93.338	-2.43	-0.98	-0.09
		Valor máximo de la envolvente	3.139	5.636	107.115	2.44	1.12	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-1.868	-3.888	-61.484	-1.66	-0.68	-0.07
		Valor máximo de la envolvente	2.191	3.849	71.051	1.67	0.78	0.07
N393	Hormigón en cimentaciones	Valor mínimo de la envolvente	-2.466	-5.814	-85.795	-2.42	-0.94	-0.09
		Valor máximo de la envolvente	2.817	5.769	92.169	2.43	1.06	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-1.723	-3.891	-57.476	-1.61	-0.66	-0.07
		Valor máximo de la envolvente	1.971	3.857	61.860	1.62	0.74	0.07
N403	Hormigón en cimentaciones	Valor mínimo de la envolvente	-3.192	-5.761	-94.981	-2.46	-1.13	-0.09
		Valor máximo de la envolvente	2.742	5.716	108.703	2.47	1.00	0.09

Envolventes de las reacciones en nudos									
Referencia	Combinación		Reacciones en ejes globales					
	Tipo	Descripción	Rx (kN)	Ry (kN)	Rz (kN)	Mx (kN·m)	My (kN·m)	Mz (kN·m)
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-2.226	-3.946	-62.725	-1.68	-0.79	-0.06
		Valor máximo de la envolvente	1.909	3.911	72.245	1.69	0.70	0.06
N413	Hormigón en cimentaciones	Valor mínimo de la envolvente	-2.867	-5.933	-85.858	-2.46	-1.07	-0.09
		Valor máximo de la envolvente	2.521	5.893	92.351	2.47	0.96	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-2.004	-3.978	-57.594	-1.64	-0.75	-0.06
		Valor máximo de la envolvente	1.761	3.947	62.064	1.65	0.67	0.06
N499	Hormigón en cimentaciones	Valor mínimo de la envolvente	-2.575	-5.683	-108.762	-2.42	-0.95	-0.09
		Valor máximo de la envolvente	3.017	5.627	121.685	2.44	1.09	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-1.784	-3.890	-71.739	-1.66	-0.66	-0.07
		Valor máximo de la envolvente	2.095	3.848	80.649	1.67	0.76	0.07
N509	Hormigón en cimentaciones	Valor mínimo de la envolvente	-2.375	-5.817	-99.376	-2.42	-0.91	-0.09
		Valor máximo de la envolvente	2.718	5.767	105.036	2.43	1.02	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-1.657	-3.892	-64.773	-1.61	-0.63	-0.07
		Valor máximo de la envolvente	1.898	3.855	68.605	1.62	0.72	0.07
N519	Hormigón en cimentaciones	Valor mínimo de la envolvente	-2.948	-5.756	-109.260	-2.45	-1.07	-0.09
		Valor máximo de la envolvente	2.510	5.707	122.095	2.47	0.93	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-2.046	-3.947	-72.105	-1.68	-0.74	-0.06
		Valor máximo de la envolvente	1.739	3.910	80.953	1.69	0.65	0.06
N529	Hormigón en cimentaciones	Valor mínimo de la envolvente	-2.653	-5.930	-100.855	-2.46	-1.00	-0.09
		Valor máximo de la envolvente	2.314	5.885	106.591	2.47	0.89	0.09
	Tensiones sobre el terreno	Valor mínimo de la envolvente	-1.852	-3.976	-66.118	-1.64	-0.70	-0.06
		Valor máximo de la envolvente	1.614	3.943	70.013	1.65	0.62	0.06

Nota: Las combinaciones de hormigón indicadas son las mismas que se utilizan para comprobar el estado límite de equilibrio en la fundación.

2.3.2. Barras

2.3.2.1. Comprobaciones E.L.U. (Resumido)

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N1/N2	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.534 m η = 24.7	x: 0.534 m η = 28.2	η = 1.1	x: 0 m η = 13.2	x: 0 m η = 22.9	η = 6.1	x: 0.267 m η = 2.8	x: 0 m η = 13.5	x: 0 m η = 23.1	x: 0 m η = 1.9	x: 0 m η = 5.7	x: 0 m η = 53.4	x: 0 m η = 52.3	x: 0 m η = 54.5	**CUMPLE h = 54.5**
N2/N3	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.315 m η = 18.5	x: 0.315 m η = 20.9	x: 0.315 m η = 1.6	x: 0.066 m η = 10.3	x: 0.563 m η = 4.3	η = 1.5	η = 3.0	x: 0.066 m η = 10.6	x: 0.563 m η = 4.6	x: 0.066 m η = 1.2	x: 0.563 m η = 0.2	x: 0.066 m η = 34.4	x: 0.066 m η = 33.3	x: 0.066 m η = 32.5	**CUMPLE h = 34.4**
N3/N4	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.037 m η = 16.2	x: 0.037 m η = 18.3	x: 0.533 m η = 1.8	x: 0.037 m η = 7.1	x: 0.037 m η = 5.2	x: 0.533 m η = 1.9	x: 0.534 m η = 1.9	x: 0.037 m η = 7.8	x: 0.037 m η = 6.0	x: 0.037 m η = 0.6	x: 0.037 m η = 0.4	x: 0.037 m η = 32.1	x: 0.037 m η = 31.3	x: 0.037 m η = 28.3	**CUMPLE h = 32.1**
N4/N5	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.562 m η = 12.6	x: 0.066 m η = 13.7	η = 1.1	x: 0.066 m η = 8.2	x: 0.066 m η = 5.4	x: 0.315 m η = 1.6	x: 0.315 m η = 2.7	x: 0.066 m η = 8.5	x: 0.066 m η = 5.9	x: 0.066 m η = 0.8	x: 0.066 m η = 0.4	x: 0.066 m η = 28.0	x: 0.066 m η = 25.8	x: 0.066 m η = 24.8	**CUMPLE h = 28.0**
N5/N6	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.038 m η = 11.1	x: 0.038 m η = 11.8	η = 1.6	x: 0.037 m η = 7.0	x: 0.037 m η = 3.9	x: 0.037 m η = 1.4	x: 0.286 m η = 2.1	x: 0.037 m η = 7.4	x: 0.037 m η = 4.5	x: 0.037 m η = 0.6	x: 0.037 m η = 0.2	x: 0.037 m η = 25.2	x: 0.037 m η = 23.2	x: 0.037 m η = 20.9	**CUMPLE h = 25.2**
N6/N7	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.562 m η = 8.5	x: 0.562 m η = 8.4	η = 0.9	x: 0.066 m η = 6.8	x: 0.066 m η = 3.0	x: 0.315 m η = 1.1	x: 0.315 m η = 2.4	x: 0.066 m η = 7.1	x: 0.066 m η = 3.4	x: 0.066 m η = 0.6	x: 0.066 m η = 0.1	x: 0.066 m η = 20.9	x: 0.066 m η = 18.2	x: 0.066 m η = 17.6	**CUMPLE h = 20.9**
N7/N8	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.533 m η = 6.9	x: 0.533 m η = 6.5	η = 1.3	x: 0.037 m η = 6.2	x: 0.534 m η = 3.3	x: 0.038 m η = 1.1	x: 0.286 m η = 2.0	x: 0.037 m η = 6.6	x: 0.534 m η = 3.4	x: 0.037 m η = 0.5	x: 0.534 m η = 0.1	x: 0.037 m η = 18.6	x: 0.037 m η = 15.9	x: 0.037 m η = 14.9	**CUMPLE h = 18.6**
N8/N9	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.315 m η = 9.5	x: 0.315 m η = 8.6	η = 0.8	x: 0.066 m η = 5.9	x: 0.563 m η = 2.8	x: 0.066 m η = 0.6	x: 0.562 m η = 2.2	x: 0.066 m η = 6.2	x: 0.563 m η = 3.1	x: 0.066 m η = 0.4	x: 0.563 m η = 0.1	x: 0.563 m η = 20.6	x: 0.563 m η = 17.0	x: 0.563 m η = 17.1	**CUMPLE h = 20.6**
N9/N10	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.533 m η = 8.6	x: 0.037 m η = 7.5	η = 1.2	x: 0.037 m η = 5.5	x: 0.534 m η = 4.7	x: 0.038 m η = 1.1	x: 0.037 m η = 2.0	x: 0.037 m η = 5.8	x: 0.534 m η = 4.8	x: 0.037 m η = 0.4	x: 0.534 m η = 0.2	x: 0.534 m η = 19.6	x: 0.534 m η = 15.9	x: 0.534 m η = 16.0	**CUMPLE h = 19.6**
N10/N11	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.066 m η = 15.8	x: 0.066 m η = 14.8	η = 1.0	x: 0.555 m η = 4.4	x: 0.555 m η = 5.3	x: 0.311 m η = 0.6	x: 0.311 m η = 1.3	x: 0.555 m η = 4.6	x: 0.555 m η = 5.4	x: 0.555 m η = 0.2	x: 0.555 m η = 0.3	x: 0.555 m η = 26.1	x: 0.555 m η = 21.8	x: 0.555 m η = 22.9	**CUMPLE h = 26.1**
N11/N12	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.441 m η = 13.7	x: 0.045 m η = 12.6	x: 0.045 m η = 0.5	x: 0.442 m η = 0.9	x: 0.045 m η = 14.4	η = 6.0	x: 0.045 m η = 0.1	x: 0.442 m η = 1.2	x: 0.045 m η = 14.4	x: 0.441 m η < 0.1	x: 0.045 m η = 2.4	x: 0.045 m η = 31.8	x: 0.045 m η = 25.0	x: 0.045 m η = 31.6	**CUMPLE h = 31.8**
N12/N13	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 11.2	η = 10.1	η = 0.9	x: 0.355 m η = 14.2	x: 0.047 m η = 0.4	η = 0.1	x: 0.355 m η = 8.0	x: 0.355 m η = 14.3	x: 0.047 m η = 0.8	x: 0.355 m η = 2.7	x: 0.047 m η < 0.1	x: 0.355 m η = 29.3	x: 0.355 m η = 22.9	x: 0.355 m η = 28.9	**CUMPLE h = 29.3**
N13/N14	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 12.2	η = 11.2	x: 0.543 m η = 2.3	x: 0.045 m η = 7.4	x: 0.045 m η = 1.2	η = 0.3	x: 0.543 m η = 2.4	x: 0.045 m η = 8.0	x: 0.045 m η = 1.9	x: 0.045 m η = 0.7	x: 0.045 m η < 0.1	x: 0.045 m η = 22.8	x: 0.045 m η = 19.4	x: 0.045 m η = 21.0	**CUMPLE h = 22.8**
N14/N15	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 10.0	η = 2.2	η = 3.4	x: 0.563 m η = 5.8	x: 0.057 m η = 5.9	η = 1.7	x: 0.563 m η = 2.4	x: 0.563 m η = 7.0	x: 0.057 m η = 7.1	x: 0.563 m η = 0.6	x: 0.057 m η = 0.5	x: 0.057 m η = 25.3	x: 0.057 m η = 14.7	x: 0.057 m η = 18.6	**CUMPLE h = 25.3**
N15/N16	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.038 m η = 9.5	x: 0.038 m η = 1.2	η = 3.1	x: 0.543 m η = 9.2	x: 0.037 m η = 8.5	η = 2.8	x: 0.543 m η = 2.8	x: 0.543 m η = 10.0	x: 0.037 m η = 9.9	x: 0.543 m η = 1.1	x: 0.037 m η = 1.1	x: 0.543 m η = 31.2	x: 0.543 m η = 14.1	x: 0.543 m η = 23.1	**CUMPLE h = 31.2**
N16/N17	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 15.0	N.P.[1]	η = 2.0	x: 0.182 m η = 11.1	x: 0.182 m η = 14.3	x: 0.12 m η = 19.9	x: 0.12 m η = 16.3	x: 0.182 m η = 11.4	x: 0.182 m η = 15.2	x: 0.182 m η = 3.9	x: 0.182 m η = 6.2	x: 0.182 m η = 38.5	N.P.[2]	x: 0.182 m η = 30.8	**CUMPLE h = 38.5**
N17/N18	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.391 m η = 20.0	N.P.[1]	η = 0.3	x: 0.218 m η = 21.6	x: 0.218 m η = 28.4	η = 10.3	x: 0.218 m η = 8.0	x: 0.218 m η = 21.7	x: 0.218 m η = 28.5	x: 0.218 m η = 5.3	x: 0.218 m η = 9.2	x: 0.218 m η = 78.1	N.P.[2]	x: 0.218 m η = 61.5	**CUMPLE h = 78.1**
N18/N19	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 15.1	N.P.[1]	x: 0.29 m η = 0.7	x: 0.037 m η = 3.0	x: 0.037 m η = 20.1	x: 0.542 m η = 7.2	x: 0.037 m η = 1.5	x: 0.037 m η = 3.1	x: 0.037 m η = 20.4	x: 0.037 m η = 0.1	x: 0.037 m η = 4.7	x: 0.037 m η = 40.0	N.P.[2]	x: 0.037 m η = 38.5	**CUMPLE h = 40.0**
N19/N20	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.31 m η = 5.6	x: 0.31 m η = 2.2	η = 0.5	x: 0.057 m η = 3.7	x: 0.563 m η = 14.6	η = 4.8	x: 0.057 m η = 1.5	x: 0.057 m η = 3.9	x: 0.563 m η = 14.7	x: 0.057 m η = 0.2	x: 0.563 m η = 2.4	x: 0.563 m η = 24.1	x: 0.563 m η = 17.4	x: 0.563 m η = 23.5	**CUMPLE h = 24.1**
N20/N21	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 8.7	η = 6.2	η = 0.5	x: 0.543 m η = 4.4	x: 0.543 m η = 12.7	x: 0.29 m η = 4.4	x: 0.037 m η = 2.1	x: 0.543 m η = 4.6	x: 0.543 m η = 12.9	x: 0.543 m η = 0.2	x: 0.543 m η = 1.9	x: 0.543 m η = 30.6	x: 0.543 m η = 19.4	x: 0.543 m η = 25.5	**CUMPLE h = 30.6**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N21/N22	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.31 m η = 5.9	x: 0.31 m η = 16.5	η = 0.5	x: 0.563 m η = 3.6	x: 0.563 m η = 11.1	x: 0.057 m η = 3.2	x: 0.057 m η = 1.7	x: 0.563 m η = 3.8	x: 0.563 m η = 11.3	x: 0.563 m η = 0.1	x: 0.563 m η = 1.4	x: 0.563 m η = 22.4	x: 0.563 m η = 31.5	x: 0.563 m η = 30.8	**CUMPLE h = 31.5**
N22/N23	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 8.1	η = 19.3	η = 0.6	x: 0.543 m η = 5.9	x: 0.543 m η = 10.2	η = 2.9	x: 0.037 m η = 2.4	x: 0.543 m η = 6.1	x: 0.543 m η = 10.5	x: 0.543 m η = 0.4	x: 0.543 m η = 1.2	x: 0.543 m η = 27.8	x: 0.543 m η = 31.2	x: 0.543 m η = 32.0	**CUMPLE h = 32.0**
N23/N24	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.057 m η = 7.3	x: 0.057 m η = 25.2	x: 0.057 m η = 0.9	x: 0.057 m η = 5.0	x: 0.563 m η = 5.9	x: 0.562 m η = 1.1	x: 0.563 m η = 2.1	x: 0.057 m η = 5.4	x: 0.563 m η = 6.2	x: 0.057 m η = 0.3	x: 0.563 m η = 0.4	x: 0.563 m η = 19.2	x: 0.563 m η = 36.5	x: 0.563 m η = 34.5	**CUMPLE h = 36.5**
N24/N25	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 8.0	η = 26.2	η = 0.9	x: 0.543 m η = 6.3	x: 0.543 m η = 7.0	x: 0.29 m η = 1.4	x: 0.037 m η = 2.4	x: 0.543 m η = 6.6	x: 0.543 m η = 7.4	x: 0.543 m η = 0.5	x: 0.543 m η = 0.6	x: 0.543 m η = 24.6	x: 0.543 m η = 36.3	x: 0.543 m η = 35.4	**CUMPLE h = 36.3**
N25/N26	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 8.1	x: 0.562 m η = 26.5	η = 1.0	x: 0.057 m η = 6.3	x: 0.057 m η = 6.7	η = 1.3	x: 0.563 m η = 2.5	x: 0.057 m η = 6.7	x: 0.057 m η = 7.2	x: 0.057 m η = 0.5	x: 0.057 m η = 0.5	x: 0.057 m η = 24.6	x: 0.057 m η = 36.0	x: 0.057 m η = 35.0	**CUMPLE h = 36.0**
N26/N27	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.543 m η = 7.4	x: 0.543 m η = 25.7	x: 0.543 m η = 0.9	x: 0.543 m η = 5.1	x: 0.037 m η = 5.6	x: 0.037 m η = 1.1	x: 0.037 m η = 2.1	x: 0.543 m η = 5.5	x: 0.037 m η = 6.0	x: 0.543 m η = 0.3	x: 0.037 m η = 0.4	x: 0.037 m η = 18.9	x: 0.037 m η = 36.5	x: 0.037 m η = 34.5	**CUMPLE h = 36.5**
N27/N28	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 8.3	η = 20.2	x: 0.562 m η = 0.9	x: 0.057 m η = 6.1	x: 0.057 m η = 10.9	x: 0.562 m η = 3.1	x: 0.563 m η = 2.5	x: 0.057 m η = 6.5	x: 0.057 m η = 11.3	x: 0.057 m η = 0.4	x: 0.057 m η = 1.4	x: 0.057 m η = 29.6	x: 0.057 m η = 33.0	x: 0.057 m η = 33.6	**CUMPLE h = 33.6**
N28/N29	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.29 m η = 6.2	x: 0.29 m η = 17.6	η = 0.7	x: 0.037 m η = 3.9	x: 0.037 m η = 10.3	x: 0.542 m η = 2.8	x: 0.543 m η = 1.8	x: 0.037 m η = 4.2	x: 0.037 m η = 10.5	x: 0.037 m η = 0.2	x: 0.037 m η = 1.2	x: 0.037 m η = 22.0	x: 0.037 m η = 32.1	x: 0.037 m η = 30.9	**CUMPLE h = 32.1**
N29/N30	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 8.9	η = 7.0	η = 0.5	x: 0.057 m η = 4.6	x: 0.057 m η = 13.8	x: 0.31 m η = 4.7	x: 0.563 m η = 2.2	x: 0.057 m η = 4.8	x: 0.057 m η = 14.0	x: 0.057 m η = 0.2	x: 0.057 m η = 2.2	x: 0.057 m η = 32.4	x: 0.057 m η = 21.7	x: 0.057 m η = 27.0	**CUMPLE h = 32.4**
N30/N31	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.288 m η = 5.7	x: 0.288 m η = 2.9	η = 0.5	x: 0.54 m η = 3.8	x: 0.037 m η = 14.3	x: 0.539 m η = 4.6	x: 0.54 m η = 1.5	x: 0.54 m η = 4.0	x: 0.037 m η = 14.3	x: 0.54 m η = 0.2	x: 0.037 m η = 2.3	x: 0.037 m η = 24.0	x: 0.037 m η = 18.6	x: 0.037 m η = 23.3	**CUMPLE h = 24.0**
N31/N32	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 15.1	N.P.[1]	η = 0.3	x: 0.563 m η = 3.1	x: 0.563 m η = 20.9	x: 0.058 m η = 7.5	x: 0.563 m η = 1.5	x: 0.563 m η = 3.1	x: 0.563 m η = 21.0	x: 0.563 m η = 0.1	x: 0.563 m η = 5.0	x: 0.563 m η = 41.3	N.P.[2]	x: 0.563 m η = 39.9	**CUMPLE h = 41.3**
N32/N33	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.21 m η = 20.2	N.P.[1]	x: 0.21 m η = 0.2	x: 0.382 m η = 21.8	x: 0.382 m η = 29.3	η = 10.5	x: 0.382 m η = 8.1	x: 0.382 m η = 21.9	x: 0.382 m η = 29.3	x: 0.382 m η = 5.5	x: 0.382 m η = 9.7	x: 0.382 m η = 80.0	N.P.[2]	x: 0.382 m η = 63.1	**CUMPLE h = 80.0**
N33/N34	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 15.4	N.P.[1]	η = 2.1	x: 0.218 m η = 11.3	x: 0.218 m η = 14.7	x: 0.281 m η = 20.6	x: 0.281 m η = 16.4	x: 0.218 m η = 11.5	x: 0.218 m η = 15.5	x: 0.218 m η = 4.0	x: 0.218 m η = 6.6	x: 0.218 m η = 39.4	N.P.[2]	x: 0.218 m η = 31.6	**CUMPLE h = 39.4**
N34/N35	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 9.9	x: 0.562 m η = 1.4	η = 3.2	x: 0.057 m η = 9.3	x: 0.563 m η = 8.5	η = 2.8	x: 0.057 m η = 2.8	x: 0.057 m η = 10.1	x: 0.563 m η = 9.9	x: 0.057 m η = 1.1	x: 0.563 m η = 1.1	x: 0.057 m η = 31.5	x: 0.057 m η = 14.1	x: 0.057 m η = 23.5	**CUMPLE h = 31.5**
N35/N36	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 10.4	η = 2.4	η = 3.3	x: 0.037 m η = 5.8	x: 0.543 m η = 6.6	x: 0.542 m η = 1.9	x: 0.037 m η = 2.5	x: 0.037 m η = 7.0	x: 0.543 m η = 7.7	x: 0.037 m η = 0.6	x: 0.543 m η = 0.6	x: 0.543 m η = 26.5	x: 0.543 m η = 15.5	x: 0.543 m η = 19.8	**CUMPLE h = 26.5**
N36/N37	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 12.3	η = 11.2	x: 0.057 m η = 2.4	x: 0.555 m η = 7.4	x: 0.057 m η = 1.4	x: 0.057 m η = 0.5	x: 0.057 m η = 2.4	x: 0.555 m η = 8.1	x: 0.057 m η = 2.5	x: 0.555 m η = 0.7	x: 0.057 m η = 0.1	x: 0.555 m η = 22.0	x: 0.555 m η = 19.4	x: 0.555 m η = 21.0	**CUMPLE h = 22.0**
N37/N38	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 11.1	η = 10.0	η = 1.0	x: 0.045 m η = 14.0	x: 0.353 m η = 0.7	η = 0.3	x: 0.045 m η = 7.9	x: 0.045 m η = 14.2	x: 0.353 m η = 1.2	x: 0.045 m η = 2.6	x: 0.352 m η < 0.1	x: 0.045 m η = 29.0	x: 0.045 m η = 22.7	x: 0.045 m η = 28.6	**CUMPLE h = 29.0**
N39/N40	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.534 m η = 25.0	x: 0.534 m η = 28.4	η = 1.0	x: 0 m η = 13.5	x: 0 m η = 23.0	η = 6.1	x: 0.533 m η = 2.8	x: 0 m η = 13.8	x: 0 m η = 23.2	x: 0 m η = 2.0	x: 0 m η = 5.8	x: 0 m η = 53.7	x: 0 m η = 52.3	x: 0 m η = 54.5	**CUMPLE h = 54.5**
N40/N41	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 18.7	x: 0.315 m η = 21.0	x: 0.315 m η = 1.5	x: 0.066 m η = 10.4	x: 0.563 m η = 4.3	η = 1.5	η = 3.0	x: 0.066 m η = 10.7	x: 0.563 m η = 4.6	x: 0.066 m η = 1.2	x: 0.563 m η = 0.2	x: 0.066 m η = 34.6	x: 0.066 m η = 33.4	x: 0.066 m η = 32.6	**CUMPLE h = 34.6**
N41/N42	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 16.3	x: 0.037 m η = 18.3	x: 0.533 m η = 1.8	x: 0.037 m η = 7.0	x: 0.037 m η = 5.2	x: 0.533 m η = 1.9	x: 0.534 m η = 1.8	x: 0.037 m η = 7.8	x: 0.037 m η = 6.0	x: 0.037 m η = 0.6	x: 0.037 m η = 0.4	x: 0.037 m η = 32.3	x: 0.037 m η = 31.4	x: 0.037 m η = 28.4	**CUMPLE h = 32.3**
N42/N43	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 12.9	x: 0.066 m η = 13.8	η = 1.1	x: 0.066 m η = 8.2	x: 0.066 m η = 5.4	x: 0.066 m η = 1.6	x: 0.067 m η = 2.5	x: 0.066 m η = 8.2	x: 0.066 m η = 5.8	x: 0.066 m η = 0.7	x: 0.066 m η = 0.4	x: 0.066 m η = 28.3	x: 0.066 m η = 26.0	x: 0.066 m η = 25.0	**CUMPLE h = 28.3**
N43/N44	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.038 m η = 11.3	x: 0.038 m η = 12.0	η = 1.6	x: 0.037 m η = 6.6	x: 0.037 m η = 3.9	x: 0.037 m η = 1.4	x: 0.286 m η = 1.9	x: 0.037 m η = 7.3	x: 0.037 m η = 4.6	x: 0.037 m η = 0.6	x: 0.037 m η = 0.2	x: 0.037 m η = 25.5	x: 0.037 m η = 23.5	x: 0.037 m η = 21.2	**CUMPLE h = 25.5**
N44/N45	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 8.8	x: 0.562 m η = 8.6	η = 1.0	x: 0.066 m η = 7.0	x: 0.066 m η = 3.0	x: 0.315 m η = 1.1	x: 0.315 m η = 2.4	x: 0.066 m η = 7.2	x: 0.066 m η = 3.4	x: 0.066 m η = 0.6	x: 0.066 m η = 0.1	x: 0.066 m η = 21.5	x: 0.066 m η = 18.7	x: 0.066 m η = 18.2	**CUMPLE h = 21.5**
N45/N46	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 7.2	x: 0.533 m η = 6.7	η = 1.3	x: 0.037 m η = 6.3	x: 0.534 m η = 3.3	x: 0.038 m η = 1.1	x: 0.286 m η = 2.0	x: 0.037 m η = 6.8	x: 0.534 m η = 3.4	x: 0.037 m η = 0.5	x: 0.534 m η = 0.1	x: 0.037 m η = 19.3	x: 0.037 m η = 16.4	x: 0.037 m η = 15.4	**CUMPLE h = 19.3**
N46/N47	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 9.5	x: 0.315 m η = 8.6	η = 0.8	x: 0.066 m η = 6.1	x: 0.563 m η = 2.8	x: 0.315 m η = 0.7	x: 0.562 m η = 2.3	x: 0.066 m η = 6.4	x: 0.563 m η = 3.1	x: 0.066 m η = 0.5	x: 0.563 m η = 0.1	x: 0.563 m η = 20.6	x: 0.563 m η = 17.0	x: 0.563 m η = 17.1	**CUMPLE h = 20.6**
N47/N48	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 8.5	x: 0.037 m η = 7.4	η = 1.2	x: 0.037 m η = 5.5	x: 0.534 m η = 4.7	x: 0.038 m η = 1.1	x: 0.037 m η = 2.0	x: 0.037 m η = 6.0	x: 0.534 m η = 4.8	x: 0.037 m η = 0.4	x: 0.534 m η = 0.2	x: 0.534 m η = 19.4	x: 0.534 m η = 15.8	x: 0.534 m η = 15.9	**CUMPLE h = 19.4**
N48/N49	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.066 m η = 16.0	x: 0.066 m η = 15.0	η = 1.0	x: 0.555 m η = 4.3	x: 0.555 m η = 5.4	x: 0.311 m η = 0.6	x: 0.311 m η = 1.3	x: 0.555 m η = 4.7	x: 0.555 m η = 5.5	x: 0.555 m η = 0.2	x: 0.555 m η = 0.3	x: 0.555 m η = 26.3	x: 0.555 m η = 22.1	x: 0.555 m η = 23.1	**CUMPLE h = 26.3**
N49/N38	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.441 m η = 13.8	x: 0.045 m η = 12.7	η = 0.5	x: 0.442 m η = 1.2	x: 0.045 m η = 14.5	x: 0.441 m η = 6.0	x: 0.244 m η = 0.3	x: 0.442 m η = 1.4	x: 0.045 m η = 14.5	x: 0.441 m η < 0.1	x: 0.045 m η = 2.5	x: 0.045 m η = 32.0	x: 0.045 m η = 25.2	x: 0.045 m η = 31.9	**CUMPLE h = 32.0**
N50/N51	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0 m η = 32.1	x: 0 m η = 34.2	η = 1.0	x: 0 m η = 16.2	x: 0 m η = 21.4	x: 0.562 m η = 5.4	η = 3.6	x: 0 m η = 16.4	x: 0 m η = 21.6	x: 0 m η = 2.8	x: 0 m η = 5.0	x: 0 m η = 68.5	x: 0 m η = 62.7	x: 0 m η = 59.0	**CUMPLE h = 68.5**
N51/N52	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 28.9	x: 0.037 m η = 30.7	x: 0.037 m η = 1.4	x: 0.037 m η = 10.5	x: 0.534 m η = 5.0	η = 1.8	η = 2.6	x: 0.037 m η = 10.8	x: 0.534 m η = 5.2	x: 0.037 m η = 1.2	x: 0.534 m η = 0.3	x: 0.037 m η = 42.8	x: 0.037 m η = 42.1	x: 0.037 m η = 39.9	**CUMPLE h = 42.8**
N52/N53	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 18.9	x: 0.066 m η = 20.4	x: 0.066 m η = 1.8	x: 0.066 m η = 11.5	x: 0.066 m η = 5.5	x: 0.066 m η = 2.0	η = 3.6	x: 0.066 m η = 12.3	x: 0.066 m η = 6.2	x: 0.066 m η = 1.6	x: 0.066 m η = 0.4	x: 0.066 m η = 38.3	x: 0.066 m η = 35.5	x: 0.066 m η = 33.0	**CUMPLE h = 38.3**
N53/N54	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 17.1	x: 0.037 m η = 18.4	η = 1.1	x: 0.037 m η = 9.6	x: 0.037 m η = 5.1	η = 1.5	η = 2.7	x: 0.037 m η = 9.6	x: 0.037 m η = 5.5	x: 0.037 m η = 1.0	x: 0.037 m η = 0.3	x: 0.037 m η = 31.2	x: 0.037 m η = 29.7	x: 0.037 m η = 27.6	**CUMPLE h = 31.2**
N54/N55	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 11.0	x: 0.066 m η = 12.3	η = 1.6	x: 0.066 m η = 10.3	x: 0.066 m η = 4.0	x: 0.066 m η = 1.5	η = 3.4	x: 0.066 m η = 11.0	x: 0.066 m η = 4.7	x: 0.066 m η = 1.3	x: 0.066 m η = 0.2	x: 0.066 m η = 30.3	x: 0.066 m η = 27.8	x: 0.066 m η = 26.0	**CUMPLE h = 30.3**
N55/N56	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.286 m η = 8.9	x: 0.286 m η = 9.9	η = 1.0	x: 0.037 m η = 9.2	x: 0.037 m η = 3.0	x: 0.037 m η = 1.0	x: 0.286 m η = 2.8	x: 0.037 m η = 9.4	x: 0.037 m η = 3.4	x: 0.037 m η = 1.0	x: 0.037 m η = 0.1	x: 0.037 m η = 23.8	x: 0.037 m η = 21.8	x: 0.037 m η = 21.6	**CUMPLE h = 23.8**
N56/N57	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.067 m η = 7.2	x: 0.067 m η = 8.5	η = 1.3	x: 0.066 m η = 9.1	x: 0.563 m η = 3.2	x: 0.067 m η = 1.0	x: 0.315 m η = 3.3	x: 0.066 m η = 9.7	x: 0.563 m η = 3.3	x: 0.066 m η = 1.1	x: 0.563 m η = 0.1	x: 0.066 m η = 22.8	x: 0.066 m η = 20.9	x: 0.066 m η = 19.8	**CUMPLE h = 22.8**
N57/N58	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 7.4	x: 0.037 m η = 8.8	η = 0.8	x: 0.037 m η = 8.9	x: 0.534 m η = 3.0	x: 0.037 m η = 0.8	η = 3.0	x: 0.037 m η = 9.2	x: 0.534 m η = 3.3	x: 0.037 m η = 0.9	x: 0.534 m η = 0.1	x: 0.037 m η = 17.6	x: 0.037 m η = 16.1	x: 0.037 m η = 16.6	**CUMPLE h = 17.6**
N58/N59	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 16.0	x: 0.066 m η = 18.6	x: 0.562 m η = 1.3	x: 0.563 m η = 8.2	x: 0.563 m η = 3.7	η = 0.8	x: 0.315 m η = 3.3	x: 0.563 m η = 8.7	x: 0.563 m η = 3.8	x: 0.563 m η = 0.9	x: 0.563 m η = 0.1	x: 0.563 m η = 22.2	x: 0.563 m η = 23.5	x: 0.563 m η = 23.3	**CUMPLE h = 23.5**
N59/N60	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 17.0	x: 0.037 m η = 19.7	x: 0.037 m η = 2.2	x: 0.534 m η = 10.9	x: 0.534 m η = 11.8	x: 0.286 m η = 2.5	x: 0.037 m η = 3.9	x: 0.534 m η = 11.8	x: 0.534 m η = 11.9	x: 0.534 m η = 1.5	x: 0.534 m η = 1.5	x: 0.534 m η = 36.8	x: 0.534 m η = 36.5	x: 0.534 m η = 34.7	**CUMPLE h = 36.8**
N60/N37	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.454 m η = 2.3	x: 0.066 m η = 3.0	x: 0.261 m η = 0.8	x: 0.455 m η = 2.4	x: 0.066 m η = 11.0	x: 0.454 m η = 4.7	η = 0.3	x: 0.455 m η = 2.8	x: 0.066 m η = 11.1	x: 0.455 m η = 0.1	x: 0.066 m η = 1.5	x: 0.066 m η = 14.2	x: 0.066 m η = 14.8	x: 0.066 m η = 16.8	**CUMPLE h = 16.8**
N11/N61	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.194 m η = 1.9	x: 0.194 m η = 2.4	x: 0.343 m η = 0.3	x: 0.343 m η = 12.5	x: 0.045 m η = 3.7	x: 0.045 m η = 1.2	x: 0.343 m η = 6.7	x: 0.343 m η = 12.5	x: 0.045 m η = 3.9	x: 0.343 m η = 2.0	x: 0.045 m η = 0.2	x: 0.343 m η = 15.6	x: 0.343 m η = 15.0	x: 0.343 m η = 17.8	**CUMPLE h = 17.8**
N61/N62	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 7.1	η = 12.4	η = 3.3	x: 0.057 m η = 12.9	x: 0.057 m η = 11.0	η = 3.8	x: 0.563 m η = 3.8	x: 0.057 m η = 13.6	x: 0.057 m η = 12.5	x: 0.057 m η = 2.0	x: 0.057 m η = 1.7	x: 0.057 m η = 32.7	x: 0.057 m η = 33.4	x: 0.057 m η = 29.4	**CUMPLE h = 33.4**
N62/N63	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 7.2	x: 0.037 m η = 12.8	x: 0.038 m η = 3.4	x: 0.543 m η = 4.8	x: 0.543 m η = 10.8	x: 0.038 m η = 3.8	x: 0.543 m η = 1.9	x: 0.543 m η = 6.2	x: 0.543 m η = 12.2	x: 0.543 m η = 0.4	x: 0.543 m η = 1.6	x: 0.543 m η = 23.7	x: 0.037 m η = 23.6	x: 0.543 m η = 21.8	**CUMPLE h = 23.7**
N63/N64	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	η = 13.2	η = 1.2	x: 0.555 m η = 17.7	x: 0.555 m η = 15.7	x: 0.057 m η = 4.7	x: 0.555 m η = 5.4	x: 0.555 m η = 17.9	x: 0.555 m η = 15.8	x: 0.555 m η = 3.5	x: 0.555 m η = 2.7	N.P.[4]	x: 0.555 m η = 37.2	x: 0.555 m η = 35.7	**CUMPLE h = 37.2**
N64/N65	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	η = 12.1	η = 0.5	x: 0.353 m η = 14.8	x: 0.353 m η = 23.3	η = 14.3	x: 0.353 m η = 8.9	x: 0.353 m η = 14.9	x: 0.353 m η = 23.5	x: 0.353 m η = 3.0	x: 0.353 m η = 7.6	N.P.[4]	x: 0.353 m η = 38.2	x: 0.353 m η = 38.7	**CUMPLE h = 38.7**
N65/N66	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	η = 21.2	x: 0.543 m η = 2.0	x: 0.047 m η = 16.4	x: 0.047 m η = 8.3	x: 0.543 m η = 1.3	x: 0.047 m η = 4.7	x: 0.047 m η = 16.8	x: 0.047 m η = 9.2	x: 0.047 m η = 3.0	x: 0.047 m η = 0.9	N.P.[4]	x: 0.047 m η = 40.8	x: 0.047 m η = 41.6	**CUMPLE h = 41.6**
N66/N67	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 3.1	η = 7.8	η = 0.6	x: 0.057 m η = 5.2	x: 0.057 m η = 15.4	x: 0.31 m η = 5.5	x: 0.057 m η = 2.0	x: 0.057 m η = 5.3	x: 0.057 m η = 15.5	x: 0.057 m η = 0.3	x: 0.057 m η = 2.7	x: 0.057 m η = 24.7	x: 0.057 m η = 23.8	x: 0.057 m η = 23.7	**CUMPLE h = 24.7**
N67/N68	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 4.1	η = 8.3	η = 0.4	x: 0.037 m η = 3.0	x: 0.037 m η = 12.8	η = 4.8	x: 0.037 m η = 1.3	x: 0.037 m η = 3.2	x: 0.037 m η = 12.8	x: 0.037 m η = 0.1	x: 0.037 m η = 1.9	x: 0.037 m η = 18.1	x: 0.037 m η = 20.2	x: 0.037 m η = 21.5	**CUMPLE h = 21.5**
N68/N69	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.31 m η = 13.7	x: 0.31 m η = 2.3	η = 0.5	x: 0.563 m η = 4.2	x: 0.563 m η = 13.5	x: 0.31 m η = 4.3	x: 0.057 m η = 2.1	x: 0.563 m η = 4.4	x: 0.563 m η = 13.6	x: 0.057 m η = 0.2	x: 0.563 m η = 2.0	x: 0.563 m η = 35.8	x: 0.563 m η = 16.4	x: 0.563 m η = 30.8	**CUMPLE h = 35.8**
N69/N70	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 17.1	η = 5.6	η = 0.4	x: 0.543 m η = 3.8	x: 0.543 m η = 10.8	x: 0.037 m η = 3.4	x: 0.037 m η = 1.7	x: 0.543 m η = 4.0	x: 0.543 m η = 11.0	x: 0.543 m η = 0.2	x: 0.543 m η = 1.3	x: 0.543 m η = 33.3	x: 0.543 m η = 20.3	x: 0.543 m η = 30.6	**CUMPLE h = 33.3**
N70/N71	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.31 m η = 24.9	x: 0.31 m η = 4.2	η = 0.5	x: 0.563 m η = 5.7	x: 0.563 m η = 9.9	x: 0.31 m η = 2.6	x: 0.057 m η = 2.3	x: 0.563 m η = 5.9	x: 0.563 m η = 10.1	x: 0.563 m η = 0.4	x: 0.563 m η = 1.1	x: 0.563 m η = 44.9	x: 0.563 m η = 16.1	x: 0.563 m η = 39.2	**CUMPLE h = 44.9**
N71/N72	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 26.9	η = 6.0	η = 0.9	x: 0.037 m η = 5.0	x: 0.543 m η = 8.5	x: 0.29 m η = 2.0	x: 0.543 m η = 2.1	x: 0.037 m η = 5.4	x: 0.543 m η = 8.8	x: 0.037 m η = 0.3	x: 0.543 m η = 0.8	x: 0.543 m η = 42.1	x: 0.543 m η = 19.6	x: 0.543 m η = 38.0	**CUMPLE h = 42.1**
N72/N73	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 29.5	η = 5.4	x: 0.31 m η = 0.9	x: 0.563 m η = 6.1	x: 0.057 m η = 3.7	x: 0.057 m η = 0.6	x: 0.057 m η = 2.4	x: 0.563 m η = 6.5	x: 0.057 m η = 4.1	x: 0.563 m η = 0.4	x: 0.057 m η = 0.2	x: 0.563 m η = 42.3	x: 0.057 m η = 14.1	x: 0.563 m η = 38.3	**CUMPLE h = 42.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N73/N74	$w / t \leq (w / t)_{máx.}$ Cumple	η = 29.7	η = 5.6	x: 0.037 m η = 1.0	x: 0.037 m η = 6.2	x: 0.543 m η = 4.7	η = 0.6	x: 0.543 m η = 2.4	x: 0.037 m η = 6.6	x: 0.543 m η = 5.1	x: 0.037 m η = 0.5	x: 0.543 m η = 0.3	x: 0.037 m η = 41.5	x: 0.543 m η = 15.1	x: 0.037 m η = 38.0	**CUMPLE h = 41.5**
N74/N75	$w / t \leq (w / t)_{máx.}$ Cumple	η = 27.3	η = 6.0	η = 0.9	x: 0.563 m η = 5.1	x: 0.057 m η = 8.7	x: 0.31 m η = 2.1	x: 0.057 m η = 2.1	x: 0.563 m η = 5.5	x: 0.057 m η = 9.1	x: 0.563 m η = 0.3	x: 0.057 m η = 0.9	x: 0.057 m η = 42.5	x: 0.057 m η = 20.1	x: 0.057 m η = 38.5	**CUMPLE h = 42.5**
N75/N76	$w / t \leq (w / t)_{máx.}$ Cumple	η = 25.6	η = 4.4	x: 0.542 m η = 0.9	x: 0.037 m η = 6.0	x: 0.037 m η = 7.9	x: 0.542 m η = 1.7	x: 0.543 m η = 2.4	x: 0.037 m η = 6.3	x: 0.037 m η = 8.2	x: 0.037 m η = 0.4	x: 0.037 m η = 0.7	x: 0.037 m η = 43.5	x: 0.037 m η = 14.7	x: 0.037 m η = 37.7	**CUMPLE h = 43.5**
N76/N77	$w / t \leq (w / t)_{máx.}$ Cumple	η = 17.9	η = 5.8	η = 0.7	x: 0.057 m η = 4.1	x: 0.057 m η = 12.6	η = 4.0	x: 0.563 m η = 1.8	x: 0.057 m η = 4.4	x: 0.057 m η = 12.9	x: 0.057 m η = 0.2	x: 0.057 m η = 1.8	x: 0.057 m η = 36.7	x: 0.057 m η = 22.8	x: 0.057 m η = 33.6	**CUMPLE h = 36.7**
N77/N78	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.29 m η = 14.5	x: 0.29 m η = 2.5	η = 0.5	x: 0.037 m η = 4.5	x: 0.037 m η = 12.5	x: 0.29 m η = 3.9	x: 0.543 m η = 2.1	x: 0.037 m η = 4.7	x: 0.037 m η = 12.7	x: 0.037 m η = 0.2	x: 0.037 m η = 1.8	x: 0.037 m η = 35.9	x: 0.037 m η = 15.8	x: 0.037 m η = 30.8	**CUMPLE h = 35.9**
N78/N79	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.4	η = 8.3	η = 0.5	x: 0.56 m η = 3.1	x: 0.057 m η = 14.3	η = 5.3	x: 0.56 m η = 1.3	x: 0.56 m η = 3.3	x: 0.057 m η = 14.4	x: 0.56 m η = 0.1	x: 0.057 m η = 2.4	x: 0.057 m η = 20.9	x: 0.057 m η = 22.1	x: 0.057 m η = 23.7	**CUMPLE h = 23.7**
N79/N80	$w / t \leq (w / t)_{máx.}$ Cumple	η = 3.1	η = 7.6	η = 0.3	x: 0.543 m η = 5.1	x: 0.543 m η = 17.9	x: 0.29 m η = 6.3	x: 0.543 m η = 2.0	x: 0.543 m η = 5.2	x: 0.543 m η = 17.9	x: 0.543 m η = 0.3	x: 0.543 m η = 3.6	x: 0.543 m η = 27.3	x: 0.543 m η = 25.8	x: 0.543 m η = 26.8	**CUMPLE h = 27.3**
N80/N81	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	η = 21.5	x: 0.057 m η = 2.0	x: 0.553 m η = 16.6	x: 0.553 m η = 7.5	x: 0.057 m η = 0.9	x: 0.553 m η = 4.7	x: 0.553 m η = 17.0	x: 0.553 m η = 8.3	x: 0.553 m η = 3.1	x: 0.553 m η = 0.7	N.P.[4]	x: 0.553 m η = 40.5	x: 0.553 m η = 42.0	**CUMPLE h = 42.0**
N81/N82	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.201 m η = 12.2	η = 0.5	x: 0.047 m η = 14.9	x: 0.355 m η = 23.5	η = 14.5	x: 0.201 m η = 9.0	x: 0.047 m η = 15.0	x: 0.355 m η = 23.7	x: 0.047 m η = 3.0	x: 0.355 m η = 7.7	N.P.[4]	x: 0.047 m η = 38.7	x: 0.355 m η = 38.8	**CUMPLE h = 38.8**
N82/N83	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.542 m η = 13.3	η = 1.2	x: 0.045 m η = 17.9	x: 0.045 m η = 17.4	η = 5.4	x: 0.045 m η = 5.4	x: 0.045 m η = 18.1	x: 0.045 m η = 17.6	x: 0.045 m η = 3.6	x: 0.045 m η = 3.4	N.P.[4]	x: 0.045 m η = 37.8	x: 0.045 m η = 35.9	**CUMPLE h = 37.8**
N83/N84	$w / t \leq (w / t)_{máx.}$ Cumple	η = 7.7	η = 13.4	x: 0.562 m η = 3.3	x: 0.057 m η = 4.9	x: 0.057 m η = 9.3	x: 0.562 m η = 3.1	x: 0.057 m η = 1.9	x: 0.057 m η = 6.3	x: 0.057 m η = 10.7	x: 0.057 m η = 0.4	x: 0.057 m η = 1.2	x: 0.057 m η = 21.9	x: 0.563 m η = 21.5	x: 0.057 m η = 19.9	**CUMPLE h = 21.9**
N84/N60	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.29 m η = 7.3	x: 0.29 m η = 12.7	x: 0.037 m η = 3.5	x: 0.543 m η = 12.9	x: 0.543 m η = 13.0	x: 0.037 m η = 4.6	x: 0.037 m η = 3.8	x: 0.543 m η = 13.6	x: 0.543 m η = 14.6	x: 0.543 m η = 2.0	x: 0.543 m η = 2.3	x: 0.543 m η = 36.2	x: 0.543 m η = 36.3	x: 0.543 m η = 31.4	**CUMPLE h = 36.3**
N60/N49	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.206 m η = 2.0	x: 0.206 m η = 2.4	η = 0.3	x: 0.057 m η = 12.5	x: 0.355 m η = 4.0	x: 0.206 m η = 1.1	x: 0.057 m η = 6.8	x: 0.057 m η = 12.5	x: 0.355 m η = 4.1	x: 0.057 m η = 2.0	x: 0.355 m η = 0.2	x: 0.057 m η = 15.4	x: 0.057 m η = 14.8	x: 0.057 m η = 17.8	**CUMPLE h = 17.8**
N85/N86	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 32.7	x: 0 m η = 34.8	η = 1.1	x: 0 m η = 15.8	x: 0 m η = 21.3	x: 0.562 m η = 5.4	η = 3.5	x: 0 m η = 16.0	x: 0 m η = 21.5	x: 0 m η = 2.7	x: 0 m η = 4.9	x: 0 m η = 69.0	x: 0 m η = 63.2	x: 0 m η = 59.5	**CUMPLE h = 69.0**
N86/N87	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 29.4	x: 0.037 m η = 31.3	x: 0.037 m η = 1.5	x: 0.037 m η = 10.3	x: 0.534 m η = 5.0	η = 1.8	η = 2.5	x: 0.037 m η = 10.6	x: 0.534 m η = 5.3	x: 0.037 m η = 1.2	x: 0.534 m η = 0.3	x: 0.037 m η = 43.8	x: 0.037 m η = 43.1	x: 0.037 m η = 40.7	**CUMPLE h = 43.8**
N87/N88	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 19.2	x: 0.562 m η = 20.7	x: 0.066 m η = 1.8	x: 0.066 m η = 11.6	x: 0.066 m η = 5.5	x: 0.066 m η = 2.0	η = 3.6	x: 0.066 m η = 12.4	x: 0.066 m η = 6.2	x: 0.066 m η = 1.7	x: 0.066 m η = 0.4	x: 0.066 m η = 38.1	x: 0.066 m η = 35.3	x: 0.066 m η = 32.8	**CUMPLE h = 38.1**
N88/N89	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.037 m η = 17.2	x: 0.037 m η = 18.5	η = 1.1	x: 0.037 m η = 9.7	x: 0.037 m η = 5.1	η = 1.5	η = 2.7	x: 0.037 m η = 9.7	x: 0.037 m η = 5.6	x: 0.037 m η = 1.0	x: 0.037 m η = 0.3	x: 0.037 m η = 31.9	x: 0.037 m η = 30.3	x: 0.037 m η = 28.0	**CUMPLE h = 31.9**
N89/N90	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 10.7	x: 0.066 m η = 12.0	η = 1.6	x: 0.066 m η = 10.3	x: 0.066 m η = 4.0	x: 0.066 m η = 1.5	η = 3.5	x: 0.066 m η = 11.0	x: 0.066 m η = 4.7	x: 0.066 m η = 1.3	x: 0.066 m η = 0.2	x: 0.066 m η = 29.9	x: 0.066 m η = 27.4	x: 0.066 m η = 25.6	**CUMPLE h = 29.9**
N90/N91	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.286 m η = 8.5	x: 0.286 m η = 9.5	η = 0.9	x: 0.037 m η = 9.2	x: 0.037 m η = 3.0	x: 0.037 m η = 1.0	x: 0.286 m η = 2.9	x: 0.037 m η = 9.4	x: 0.037 m η = 3.3	x: 0.037 m η = 1.0	x: 0.037 m η = 0.1	x: 0.037 m η = 23.4	x: 0.037 m η = 21.3	x: 0.037 m η = 21.2	**CUMPLE h = 23.4**
N91/N92	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.067 m η = 7.3	x: 0.067 m η = 8.8	η = 1.3	x: 0.066 m η = 8.9	x: 0.563 m η = 3.2	x: 0.067 m η = 1.0	x: 0.315 m η = 3.2	x: 0.066 m η = 9.4	x: 0.563 m η = 3.3	x: 0.066 m η = 1.0	x: 0.563 m η = 0.1	x: 0.066 m η = 22.1	x: 0.066 m η = 20.3	x: 0.066 m η = 19.3	**CUMPLE h = 22.1**
N92/N93	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 7.6	x: 0.037 m η = 9.0	η = 0.8	x: 0.037 m η = 8.7	x: 0.534 m η = 3.0	x: 0.037 m η = 0.8	η = 2.9	x: 0.037 m η = 9.0	x: 0.534 m η = 3.3	x: 0.037 m η = 0.9	x: 0.534 m η = 0.1	x: 0.037 m η = 17.1	x: 0.037 m η = 15.8	x: 0.037 m η = 16.2	**CUMPLE h = 17.1**
N93/N94	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 15.9	x: 0.066 m η = 18.6	x: 0.562 m η = 1.3	x: 0.563 m η = 8.0	x: 0.563 m η = 3.7	η = 0.8	x: 0.315 m η = 3.2	x: 0.563 m η = 8.6	x: 0.563 m η = 3.8	x: 0.563 m η = 0.8	x: 0.563 m η = 0.1	x: 0.563 m η = 22.4	x: 0.563 m η = 23.6	x: 0.563 m η = 23.3	**CUMPLE h = 23.6**
N94/N61	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 16.9	x: 0.037 m η = 19.7	x: 0.037 m η = 2.0	x: 0.534 m η = 10.6	x: 0.534 m η = 11.6	x: 0.533 m η = 2.4	x: 0.037 m η = 3.8	x: 0.534 m η = 11.4	x: 0.534 m η = 11.7	x: 0.534 m η = 1.4	x: 0.534 m η = 1.4	x: 0.534 m η = 36.0	x: 0.534 m η = 35.9	x: 0.534 m η = 34.5	**CUMPLE h = 36.0**
N61/N13	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 2.3	x: 0.066 m η = 3.0	x: 0.261 m η = 0.7	x: 0.455 m η = 2.1	x: 0.066 m η = 10.9	x: 0.454 m η = 4.6	η = 0.3	x: 0.455 m η = 2.4	x: 0.066 m η = 11.0	x: 0.454 m η = 0.1	x: 0.066 m η = 1.4	x: 0.066 m η = 14.3	x: 0.066 m η = 14.8	x: 0.066 m η = 16.6	**CUMPLE h = 16.6**
N95/N96	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.534 m η = 29.3	x: 0.534 m η = 47.3	η = 1.1	x: 0 m η = 27.1	x: 0 m η = 27.9	η = 7.5	x: 0.533 m η = 6.0	x: 0 m η = 27.3	x: 0 m η = 28.1	x: 0 m η = 7.8	x: 0 m η = 8.4	x: 0 m η = 63.7	x: 0 m η = 81.0	x: 0 m η = 80.0	**CUMPLE h = 81.0**
N96/N97	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.315 m η = 19.9	x: 0.315 m η = 34.2	x: 0.562 m η = 1.5	x: 0.066 m η = 18.8	x: 0.563 m η = 7.7	η = 2.6	η = 6.1	x: 0.066 m η = 19.3	x: 0.563 m η = 8.3	x: 0.066 m η = 4.1	x: 0.563 m η = 0.8	x: 0.066 m η = 48.2	x: 0.066 m η = 59.1	x: 0.066 m η = 57.6	**CUMPLE h = 59.1**
N97/N98	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 15.3	x: 0.037 m η = 28.9	η = 1.8	x: 0.037 m η = 15.4	x: 0.037 m η = 8.6	x: 0.533 m η = 3.1	x: 0.533 m η = 4.4	x: 0.037 m η = 16.2	x: 0.037 m η = 9.4	x: 0.037 m η = 2.8	x: 0.037 m η = 1.0	x: 0.037 m η = 41.6	x: 0.037 m η = 54.5	x: 0.037 m η = 50.5	**CUMPLE h = 54.5**
N98/N99	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.066 m η = 10.6	x: 0.066 m η = 21.1	η = 1.0	x: 0.066 m η = 15.5	x: 0.066 m η = 8.2	x: 0.066 m η = 2.6	x: 0.066 m η = 5.5	x: 0.066 m η = 15.5	x: 0.066 m η = 8.6	x: 0.066 m η = 2.7	x: 0.066 m η = 0.8	x: 0.066 m η = 34.9	x: 0.066 m η = 43.8	x: 0.066 m η = 42.3	**CUMPLE h = 43.8**
N99/N100	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.286 m η = 6.7	x: 0.286 m η = 16.6	η = 1.3	x: 0.037 m η = 14.6	x: 0.037 m η = 5.8	x: 0.286 m η = 2.1	x: 0.533 m η = 4.7	x: 0.037 m η = 15.2	x: 0.037 m η = 6.4	x: 0.037 m η = 2.5	x: 0.037 m η = 0.4	x: 0.037 m η = 28.4	x: 0.037 m η = 38.0	x: 0.037 m η = 35.9	**CUMPLE h = 38.0**
N100/N101	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 4.1	x: 0.066 m η = 11.1	η = 0.8	x: 0.563 m η = 14.1	x: 0.066 m η = 5.5	x: 0.562 m η = 2.0	η = 5.2	x: 0.563 m η = 14.3	x: 0.066 m η = 5.8	x: 0.563 m η = 2.3	x: 0.066 m η = 0.4	x: 0.563 m η = 21.5	x: 0.066 m η = 27.5	x: 0.563 m η = 27.6	**CUMPLE h = 27.6**
N101/N102	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 3.0	x: 0.037 m η = 9.7	η = 0.8	x: 0.037 m η = 13.6	x: 0.534 m η = 4.8	x: 0.037 m η = 1.4	x: 0.533 m η = 5.0	x: 0.037 m η = 13.9	x: 0.534 m η = 5.1	x: 0.037 m η = 2.2	x: 0.534 m η = 0.3	x: 0.534 m η = 17.6	x: 0.037 m η = 21.3	x: 0.037 m η = 21.9	**CUMPLE h = 21.9**
N102/N103	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.067 m η = 12.7	x: 0.067 m η = 17.6	η = 1.2	x: 0.563 m η = 13.5	x: 0.563 m η = 5.7	x: 0.067 m η = 1.7	x: 0.066 m η = 4.4	x: 0.563 m η = 14.0	x: 0.563 m η = 5.8	x: 0.563 m η = 2.2	x: 0.563 m η = 0.4	x: 0.563 m η = 24.2	x: 0.563 m η = 26.6	x: 0.563 m η = 25.9	**CUMPLE h = 26.6**
N103/N104	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 12.8	x: 0.037 m η = 17.4	η = 0.8	x: 0.534 m η = 17.0	x: 0.534 m η = 7.3	x: 0.533 m η = 2.0	x: 0.533 m η = 5.7	x: 0.534 m η = 17.1	x: 0.534 m η = 7.7	x: 0.534 m η = 3.2	x: 0.534 m η = 0.6	x: 0.534 m η = 29.2	x: 0.534 m η = 34.6	x: 0.534 m η = 34.0	**CUMPLE h = 34.6**
N104/N64	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.554 m η = 21.3	x: 0.066 m η = 24.4	x: 0.311 m η = 2.0	x: 0.555 m η = 17.2	x: 0.555 m η = 14.2	η = 3.7	η = 3.6	x: 0.555 m η = 18.1	x: 0.555 m η = 14.3	x: 0.555 m η = 3.4	x: 0.555 m η = 2.2	x: 0.555 m η = 43.7	x: 0.555 m η = 45.2	x: 0.555 m η = 42.5	**CUMPLE h = 45.2**
N64/N16	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.441 m η = 18.4	x: 0.045 m η = 21.6	η = 0.8	x: 0.045 m η = 42.4	x: 0.045 m η = 11.7	η = 5.0	η = 18.5	x: 0.045 m η = 42.8	x: 0.045 m η = 11.7	x: 0.045 m η = 21.7	x: 0.045 m η = 1.6	x: 0.045 m η = 68.0	x: 0.045 m η = 55.6	x: 0.045 m η = 63.7	**CUMPLE h = 68.0**
N105/N106	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 32.2	x: 0 m η = 42.2	η = 1.1	x: 0 m η = 28.6	x: 0 m η = 25.7	x: 0.562 m η = 6.6	η = 6.7	x: 0 m η = 28.7	x: 0 m η = 25.9	x: 0 m η = 8.7	x: 0 m η = 7.1	x: 0 m η = 73.2	x: 0 m η = 71.2	x: 0 m η = 73.4	**CUMPLE h = 73.4**
N106/N107	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 30.3	x: 0.037 m η = 40.2	η = 1.4	x: 0.037 m η = 18.5	x: 0.534 m η = 8.8	η = 3.1	η = 5.1	x: 0.037 m η = 18.9	x: 0.534 m η = 9.3	x: 0.037 m η = 3.8	x: 0.534 m η = 1.0	x: 0.037 m η = 52.7	x: 0.037 m η = 59.2	x: 0.037 m η = 56.7	**CUMPLE h = 59.2**
N107/N108	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.563 m η = 17.8	x: 0.563 m η = 29.0	η = 1.8	x: 0.066 m η = 19.2	x: 0.066 m η = 9.1	x: 0.066 m η = 3.3	η = 6.6	x: 0.066 m η = 20.0	x: 0.066 m η = 9.9	x: 0.066 m η = 4.4	x: 0.066 m η = 1.1	x: 0.066 m η = 48.1	x: 0.066 m η = 57.6	x: 0.066 m η = 53.9	**CUMPLE h = 57.6**
N108/N109	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 14.7	x: 0.533 m η = 25.7	η = 1.0	x: 0.037 m η = 17.5	x: 0.037 m η = 7.4	x: 0.037 m η = 2.3	x: 0.037 m η = 5.5	x: 0.037 m η = 17.6	x: 0.037 m η = 7.8	x: 0.037 m η = 3.4	x: 0.037 m η = 0.7	x: 0.037 m η = 37.9	x: 0.037 m η = 46.7	x: 0.037 m η = 45.7	**CUMPLE h = 46.7**
N109/N110	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 5.5	x: 0.066 m η = 18.2	η = 1.3	x: 0.066 m η = 16.5	x: 0.066 m η = 6.1	x: 0.315 m η = 2.3	η = 6.2	x: 0.066 m η = 17.1	x: 0.066 m η = 6.7	x: 0.066 m η = 3.3	x: 0.066 m η = 0.5	x: 0.066 m η = 30.4	x: 0.066 m η = 42.1	x: 0.066 m η = 40.1	**CUMPLE h = 42.1**
N110/N111	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 1.0	x: 0.037 m η = 13.4	η = 0.8	x: 0.037 m η = 16.9	x: 0.037 m η = 5.2	η = 1.9	x: 0.037 m η = 5.9	x: 0.037 m η = 17.1	x: 0.037 m η = 5.5	x: 0.037 m η = 3.3	x: 0.037 m η = 0.3	x: 0.037 m η = 23.1	x: 0.037 m η = 34.3	x: 0.037 m η = 34.8	**CUMPLE h = 34.8**
N111/N112	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.066 m η = 13.8	η = 0.8	x: 0.563 m η = 16.2	x: 0.563 m η = 4.5	η = 1.2	x: 0.315 m η = 5.8	x: 0.563 m η = 16.5	x: 0.563 m η = 4.8	x: 0.563 m η = 3.0	x: 0.563 m η = 0.2	N.P.[4]	x: 0.563 m η = 29.5	x: 0.563 m η = 30.1	**CUMPLE h = 30.1**
N112/N113	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 0.5	x: 0.037 m η = 15.4	x: 0.533 m η = 1.2	x: 0.534 m η = 15.5	x: 0.534 m η = 5.6	x: 0.038 m η = 1.8	η = 5.9	x: 0.534 m η = 16.0	x: 0.534 m η = 5.8	x: 0.534 m η = 2.9	x: 0.534 m η = 0.4	x: 0.534 m η = 12.0	x: 0.037 m η = 32.8	x: 0.037 m η = 33.0	**CUMPLE h = 33.0**
N113/N114	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 9.8	x: 0.066 m η = 28.0	η = 0.8	x: 0.563 m η = 18.8	x: 0.563 m η = 6.1	η = 1.5	η = 5.7	x: 0.563 m η = 18.9	x: 0.563 m η = 6.4	x: 0.563 m η = 3.9	x: 0.563 m η = 0.4	x: 0.563 m η = 27.8	x: 0.563 m η = 44.1	x: 0.563 m η = 44.4	**CUMPLE h = 44.4**
N114/N65	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 11.3	x: 0.037 m η = 29.9	x: 0.533 m η = 1.8	x: 0.534 m η = 20.4	x: 0.534 m η = 12.7	η = 2.4	η = 4.9	x: 0.534 m η = 21.2	x: 0.534 m η = 12.8	x: 0.534 m η = 4.7	x: 0.534 m η = 1.7	x: 0.534 m η = 39.6	x: 0.534 m η = 48.4	x: 0.534 m η = 49.8	**CUMPLE h = 49.8**
N65/N17	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.445 m η = 6.9	x: 0.066 m η = 16.3	η = 0.5	x: 0.066 m η = 37.2	x: 0.066 m η = 13.7	x: 0.445 m η = 6.4	η = 17.2	x: 0.066 m η = 37.4	x: 0.066 m η = 13.7	x: 0.066 m η = 17.0	x: 0.066 m η = 2.3	x: 0.066 m η = 55.8	x: 0.066 m η = 51.6	x: 0.066 m η = 59.3	**CUMPLE h = 59.3**
N115/N116	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.534 m η = 29.4	x: 0.534 m η = 47.7	η = 1.1	x: 0 m η = 27.4	x: 0 m η = 27.7	η = 7.5	x: 0.533 m η = 6.1	x: 0 m η = 27.7	x: 0 m η = 27.9	x: 0 m η = 8.0	x: 0 m η = 8.4	x: 0 m η = 63.9	x: 0 m η = 81.5	x: 0 m η = 80.7	**CUMPLE h = 81.5**
N116/N117	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.315 m η = 20.0	x: 0.315 m η = 34.5	x: 0.562 m η = 1.5	x: 0.066 m η = 18.7	x: 0.563 m η = 7.8	η = 2.6	η = 6.1	x: 0.066 m η = 19.3	x: 0.563 m η = 8.4	x: 0.066 m η = 4.1	x: 0.563 m η = 0.8	x: 0.066 m η = 48.3	x: 0.066 m η = 59.5	x: 0.066 m η = 57.9	**CUMPLE h = 59.5**
N117/N118	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.533 m η = 15.4	x: 0.037 m η = 29.2	η = 1.8	x: 0.037 m η = 15.4	x: 0.037 m η = 8.7	x: 0.533 m η = 3.2	x: 0.533 m η = 4.4	x: 0.037 m η = 16.1	x: 0.037 m η = 9.5	x: 0.037 m η = 2.8	x: 0.037 m η = 1.0	x: 0.037 m η = 41.7	x: 0.037 m η = 54.9	x: 0.037 m η = 50.9	**CUMPLE h = 54.9**
N118/N119	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.066 m η = 10.8	x: 0.066 m η = 21.5	η = 1.0	x: 0.066 m η = 15.6	x: 0.066 m η = 8.2	x: 0.066 m η = 2.6	x: 0.066 m η = 5.5	x: 0.066 m η = 15.6	x: 0.066 m η = 8.7	x: 0.066 m η = 2.7	x: 0.066 m η = 0.8	x: 0.066 m η = 35.4	x: 0.066 m η = 44.5	x: 0.066 m η = 42.9	**CUMPLE h = 44.5**
N119/N120	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.286 m η = 6.9	x: 0.286 m η = 17.0	η = 1.3	x: 0.037 m η = 14.7	x: 0.037 m η = 5.9	x: 0.286 m η = 2.2	x: 0.533 m η = 4.7	x: 0.037 m η = 15.2	x: 0.037 m η = 6.5	x: 0.037 m η = 2.5	x: 0.037 m η = 0.5	x: 0.037 m η = 28.7	x: 0.037 m η = 38.5	x: 0.037 m η = 36.4	**CUMPLE h = 38.5**
N120/N121	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 4.1	x: 0.066 m η = 11.3	η = 0.9	x: 0.563 m η = 14.0	x: 0.066 m η = 5.6	x: 0.562 m η = 2.0	η = 5.3	x: 0.563 m η = 14.2	x: 0.066 m η = 5.9	x: 0.563 m η = 2.3	x: 0.066 m η = 0.4	x: 0.563 m η = 21.8	x: 0.066 m η = 28.2	x: 0.563 m η = 28.0	**CUMPLE h = 28.2**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_xTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N121/N122	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 2.9	x: 0.037 m η = 9.8	η = 0.8	x: 0.037 m η = 13.9	x: 0.534 m η = 4.8	x: 0.037 m η = 1.4	x: 0.533 m η = 5.0	x: 0.037 m η = 14.2	x: 0.534 m η = 5.1	x: 0.037 m η = 2.3	x: 0.534 m η = 0.3	x: 0.534 m η = 17.1	x: 0.037 m η = 22.1	x: 0.037 m η = 22.6	**CUMPLE h = 22.6**
N122/N123	w / t ≤(w / t)máx. Cumple	x: 0.067 m η = 12.7	x: 0.067 m η = 17.6	η = 1.1	x: 0.563 m η = 14.1	x: 0.563 m η = 5.7	x: 0.066 m η = 1.7	x: 0.066 m η = 4.7	x: 0.563 m η = 14.5	x: 0.563 m η = 5.9	x: 0.563 m η = 2.3	x: 0.563 m η = 0.4	x: 0.563 m η = 24.6	x: 0.563 m η = 27.0	x: 0.563 m η = 26.4	**CUMPLE h = 27.0**
N123/N124	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 12.9	x: 0.037 m η = 17.6	η = 0.8	x: 0.534 m η = 17.7	x: 0.534 m η = 7.4	x: 0.533 m η = 2.0	x: 0.533 m η = 5.9	x: 0.534 m η = 17.7	x: 0.534 m η = 7.8	x: 0.534 m η = 3.5	x: 0.534 m η = 0.6	x: 0.534 m η = 29.8	x: 0.534 m η = 35.3	x: 0.534 m η = 34.9	**CUMPLE h = 35.3**
N124/N82	w / t ≤(w / t)máx. Cumple	x: 0.554 m η = 21.4	x: 0.066 m η = 24.6	η = 2.1	x: 0.555 m η = 17.8	x: 0.555 m η = 14.4	η = 3.8	η = 3.7	x: 0.555 m η = 18.7	x: 0.555 m η = 14.4	x: 0.555 m η = 3.6	x: 0.555 m η = 2.2	x: 0.555 m η = 44.3	x: 0.555 m η = 46.0	x: 0.555 m η = 42.9	**CUMPLE h = 46.0**
N82/N34	w / t ≤(w / t)máx. Cumple	x: 0.441 m η = 18.5	x: 0.045 m η = 21.8	η = 0.9	x: 0.045 m η = 43.1	x: 0.045 m η = 11.7	η = 5.1	η = 18.8	x: 0.045 m η = 43.4	x: 0.045 m η = 11.8	x: 0.045 m η = 22.4	x: 0.045 m η = 1.6	x: 0.045 m η = 68.8	x: 0.045 m η = 56.4	x: 0.045 m η = 64.5	**CUMPLE h = 68.8**
N125/N126	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 31.7	x: 0 m η = 41.9	η = 1.1	x: 0 m η = 29.2	x: 0 m η = 25.7	x: 0.562 m η = 6.6	η = 6.8	x: 0 m η = 29.2	x: 0 m η = 26.0	x: 0 m η = 9.0	x: 0 m η = 7.2	x: 0 m η = 72.6	x: 0 m η = 71.4	x: 0 m η = 74.7	**CUMPLE h = 74.7**
N126/N127	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 30.0	x: 0.037 m η = 40.1	η = 1.4	x: 0.037 m η = 18.2	x: 0.534 m η = 8.9	η = 3.2	η = 5.0	x: 0.037 m η = 18.7	x: 0.534 m η = 9.4	x: 0.037 m η = 3.7	x: 0.534 m η = 1.0	x: 0.037 m η = 52.9	x: 0.037 m η = 59.7	x: 0.037 m η = 57.1	**CUMPLE h = 59.7**
N127/N128	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 17.7	x: 0.562 m η = 29.1	η = 1.8	x: 0.066 m η = 19.2	x: 0.066 m η = 9.2	x: 0.066 m η = 3.4	η = 6.5	x: 0.066 m η = 19.9	x: 0.066 m η = 10.0	x: 0.066 m η = 4.4	x: 0.066 m η = 1.1	x: 0.066 m η = 48.4	x: 0.066 m η = 58.2	x: 0.066 m η = 54.5	**CUMPLE h = 58.2**
N128/N129	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 14.6	x: 0.533 m η = 25.9	η = 1.0	x: 0.037 m η = 17.5	x: 0.037 m η = 7.5	x: 0.037 m η = 2.4	x: 0.037 m η = 5.5	x: 0.037 m η = 17.5	x: 0.037 m η = 7.9	x: 0.037 m η = 3.4	x: 0.037 m η = 0.7	x: 0.037 m η = 38.3	x: 0.037 m η = 47.5	x: 0.037 m η = 46.3	**CUMPLE h = 47.5**
N129/N130	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 5.7	x: 0.066 m η = 18.7	η = 1.3	x: 0.066 m η = 16.6	x: 0.066 m η = 6.2	x: 0.315 m η = 2.3	η = 6.2	x: 0.066 m η = 17.1	x: 0.066 m η = 6.8	x: 0.066 m η = 3.3	x: 0.066 m η = 0.5	x: 0.066 m η = 30.7	x: 0.066 m η = 42.8	x: 0.066 m η = 40.8	**CUMPLE h = 42.8**
N130/N131	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 1.5	x: 0.286 m η = 14.2	η = 0.8	x: 0.037 m η = 16.8	x: 0.037 m η = 5.3	x: 0.286 m η = 1.9	x: 0.037 m η = 5.8	x: 0.037 m η = 17.1	x: 0.037 m η = 5.6	x: 0.037 m η = 3.3	x: 0.037 m η = 0.4	x: 0.037 m η = 23.4	x: 0.037 m η = 35.0	x: 0.037 m η = 35.4	**CUMPLE h = 35.4**
N131/N132	w / t ≤(w / t)máx. Cumple	N.P.[3]	x: 0.066 m η = 13.9	η = 0.8	x: 0.563 m η = 16.4	x: 0.563 m η = 4.6	η = 1.2	x: 0.315 m η = 5.9	x: 0.563 m η = 16.7	x: 0.563 m η = 4.7	x: 0.563 m η = 3.1	x: 0.563 m η = 0.2	N.P.[4]	x: 0.563 m η = 30.2	x: 0.563 m η = 30.8	**CUMPLE h = 30.8**
N132/N133	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 0.1	x: 0.037 m η = 15.3	x: 0.286 m η = 1.1	x: 0.534 m η = 15.8	x: 0.534 m η = 5.7	x: 0.037 m η = 1.8	η = 6.1	x: 0.534 m η = 16.3	x: 0.534 m η = 5.9	x: 0.534 m η = 3.0	x: 0.534 m η = 0.4	x: 0.534 m η = 11.7	x: 0.037 m η = 33.3	x: 0.037 m η = 33.5	**CUMPLE h = 33.5**
N133/N134	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 9.5	x: 0.066 m η = 28.1	η = 0.8	x: 0.563 m η = 19.4	x: 0.563 m η = 6.1	η = 1.5	η = 5.8	x: 0.563 m η = 19.4	x: 0.563 m η = 6.4	x: 0.563 m η = 4.1	x: 0.563 m η = 0.4	x: 0.563 m η = 28.5	x: 0.563 m η = 45.1	x: 0.563 m η = 45.5	**CUMPLE h = 45.5**
N134/N81	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 11.1	x: 0.037 m η = 30.0	x: 0.533 m η = 1.8	x: 0.534 m η = 21.0	x: 0.534 m η = 12.8	η = 2.4	η = 5.1	x: 0.534 m η = 21.8	x: 0.534 m η = 12.9	x: 0.534 m η = 5.0	x: 0.534 m η = 1.7	x: 0.534 m η = 40.4	x: 0.534 m η = 48.6	x: 0.534 m η = 51.1	**CUMPLE h = 51.1**
N81/N33	w / t ≤(w / t)máx. Cumple	x: 0.445 m η = 6.7	x: 0.066 m η = 16.6	η = 0.6	x: 0.066 m η = 38.2	x: 0.066 m η = 13.7	x: 0.445 m η = 6.4	η = 17.7	x: 0.066 m η = 38.4	x: 0.066 m η = 13.7	x: 0.066 m η = 17.9	x: 0.066 m η = 2.3	x: 0.066 m η = 56.9	x: 0.066 m η = 52.8	x: 0.066 m η = 60.6	**CUMPLE h = 60.6**
N16/N135	w / t ≤(w / t)máx. Cumple	x: 0.274 m η = 1.3	x: 0.058 m η = 9.1	x: 0.167 m η = 0.8	x: 0.275 m η = 6.7	x: 0.275 m η = 4.0	η = 2.8	x: 0.274 m η = 1.6	x: 0.275 m η = 7.0	x: 0.275 m η = 4.3	x: 0.275 m η = 0.5	x: 0.275 m η = 0.3	x: 0.275 m η = 12.7	x: 0.275 m η = 19.5	x: 0.275 m η = 17.9	**CUMPLE h = 19.5**
N135/N136	w / t ≤(w / t)máx. Cumple	x: 0.053 m η = 1.4	x: 0.053 m η = 7.3	x: 0.17 m η = 1.0	x: 0.288 m η = 5.7	x: 0.288 m η = 2.3	x: 0.17 m η = 1.7	x: 0.052 m η = 3.9	x: 0.288 m η = 5.8	x: 0.288 m η = 2.8	x: 0.288 m η = 0.5	x: 0.288 m η = 0.1	x: 0.052 m η = 4.9	x: 0.288 m η = 14.6	x: 0.288 m η = 14.3	**CUMPLE h = 14.6**
N136/N137	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 1.5	x: 0.037 m η = 8.5	x: 0.262 m η = 1.5	x: 0.037 m η = 1.5	x: 0.488 m η = 1.3	η = 0.5	x: 0.037 m η = 0.3	x: 0.037 m η = 1.6	x: 0.037 m η = 1.6	x: 0.037 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 4.2	x: 0.488 m η = 10.8	x: 0.037 m η = 10.6	**CUMPLE h = 10.8**
N137/N138	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 0.6	x: 0.062 m η = 9.9	x: 0.062 m η = 2.0	x: 0.513 m η = 2.6	x: 0.062 m η = 3.6	x: 0.062 m η = 1.5	x: 0.062 m η = 1.0	x: 0.513 m η = 2.8	x: 0.062 m η = 4.5	x: 0.513 m η = 0.1	x: 0.062 m η = 0.2	N.P.[4]	x: 0.513 m η = 15.5	x: 0.513 m η = 13.4	**CUMPLE h = 15.5**
N138/N139	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 0.6	x: 0.037 m η = 9.8	η = 2.6	x: 0.037 m η = 2.7	x: 0.488 m η = 4.2	x: 0.037 m η = 1.7	x: 0.488 m η = 1.0	x: 0.037 m η = 3.6	x: 0.488 m η = 5.4	x: 0.037 m η = 0.1	x: 0.488 m η = 0.3	x: 0.488 m η = 9.9	x: 0.488 m η = 16.9	x: 0.488 m η = 15.0	**CUMPLE h = 16.9**
N139/N140	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 0.3	x: 0.062 m η = 9.3	x: 0.062 m η = 2.0	x: 0.513 m η = 2.5	x: 0.513 m η = 4.4	x: 0.062 m η = 1.7	x: 0.062 m η = 0.8	x: 0.513 m η = 2.6	x: 0.513 m η = 5.3	x: 0.513 m η = 0.1	x: 0.513 m η = 0.3	N.P.[4]	x: 0.513 m η = 16.5	x: 0.513 m η = 14.5	**CUMPLE h = 16.5**
N140/N141	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 0.9	x: 0.037 m η = 9.8	x: 0.037 m η = 2.7	x: 0.037 m η = 3.2	x: 0.488 m η = 5.0	x: 0.037 m η = 1.9	x: 0.488 m η = 1.2	x: 0.037 m η = 4.0	x: 0.488 m η = 6.2	x: 0.037 m η = 0.2	x: 0.488 m η = 0.4	x: 0.488 m η = 11.5	x: 0.488 m η = 19.0	x: 0.488 m η = 16.7	**CUMPLE h = 19.0**
N141/N142	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 1.9	x: 0.062 m η = 8.9	x: 0.062 m η = 2.0	x: 0.513 m η = 1.9	x: 0.513 m η = 4.4	x: 0.062 m η = 1.6	x: 0.062 m η = 0.6	x: 0.513 m η = 2.2	x: 0.513 m η = 5.3	x: 0.513 m η = 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 8.1	x: 0.513 m η = 15.1	x: 0.513 m η = 13.3	**CUMPLE h = 15.1**
N142/N143	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 2.0	x: 0.037 m η = 8.9	x: 0.037 m η = 2.4	x: 0.037 m η = 3.4	x: 0.488 m η = 4.9	x: 0.037 m η = 1.7	x: 0.488 m η = 1.4	x: 0.037 m η = 4.2	x: 0.488 m η = 5.7	x: 0.037 m η = 0.2	x: 0.488 m η = 0.4	x: 0.488 m η = 11.6	x: 0.488 m η = 18.4	x: 0.488 m η = 15.9	**CUMPLE h = 18.4**
N143/N144	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 2.5	x: 0.062 m η = 5.5	x: 0.062 m η = 1.7	x: 0.062 m η = 1.1	x: 0.513 m η = 3.5	x: 0.062 m η = 1.2	x: 0.062 m η = 0.4	x: 0.062 m η = 1.8	x: 0.513 m η = 4.3	x: 0.062 m η < 0.1	x: 0.513 m η = 0.2	x: 0.513 m η = 7.1	x: 0.513 m η = 9.9	x: 0.513 m η = 8.9	**CUMPLE h = 9.9**
N144/N145	w / t ≤(w / t)máx. Cumple	x: 0.52 m η = 2.6	x: 0.037 m η = 5.3	x: 0.038 m η = 1.4	x: 0.521 m η = 5.6	x: 0.521 m η = 4.0	x: 0.038 m η = 1.0	x: 0.521 m η = 1.9	x: 0.521 m η = 6.0	x: 0.521 m η = 4.5	x: 0.521 m η = 0.4	x: 0.521 m η = 0.2	x: 0.521 m η = 9.7	x: 0.521 m η = 15.2	x: 0.521 m η = 13.3	**CUMPLE h = 15.2**
N146/N147	w / t ≤(w / t)máx. Cumple	x: 0.053 m η = 1.4	x: 0.053 m η = 7.4	x: 0.17 m η = 1.0	x: 0.288 m η = 5.7	x: 0.288 m η = 2.4	x: 0.17 m η = 1.7	x: 0.052 m η = 4.0	x: 0.288 m η = 6.0	x: 0.288 m η = 2.8	x: 0.288 m η = 0.5	x: 0.288 m η = 0.1	x: 0.052 m η = 5.1	x: 0.288 m η = 15.1	x: 0.288 m η = 14.5	**CUMPLE h = 15.1**
N147/N148	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 1.5	x: 0.037 m η = 8.6	x: 0.262 m η = 1.6	x: 0.037 m η = 1.4	x: 0.037 m η = 1.4	η = 0.5	x: 0.037 m η = 0.4	x: 0.037 m η = 1.7	x: 0.037 m η = 2.1	x: 0.037 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 4.3	x: 0.488 m η = 10.8	x: 0.488 m η = 10.5	**CUMPLE h = 10.8**
N148/N149	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 0.6	x: 0.062 m η = 10.2	x: 0.062 m η = 1.9	x: 0.513 m η = 2.6	x: 0.513 m η = 3.6	x: 0.062 m η = 1.5	x: 0.062 m η = 1.0	x: 0.513 m η = 2.6	x: 0.513 m η = 4.4	x: 0.513 m η = 0.1	x: 0.513 m η = 0.2	N.P.[4]	x: 0.513 m η = 16.0	x: 0.513 m η = 14.0	**CUMPLE h = 16.0**
N149/N150	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 0.6	x: 0.037 m η = 10.1	η = 2.6	x: 0.037 m η = 2.8	x: 0.488 m η = 4.0	x: 0.037 m η = 1.5	x: 0.488 m η = 1.0	x: 0.037 m η = 3.7	x: 0.488 m η = 5.1	x: 0.037 m η = 0.1	x: 0.488 m η = 0.3	x: 0.488 m η = 9.8	x: 0.488 m η = 17.3	x: 0.488 m η = 15.4	**CUMPLE h = 17.3**
N150/N151	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 0.4	x: 0.062 m η = 9.6	x: 0.062 m η = 2.0	x: 0.513 m η = 2.5	x: 0.513 m η = 4.2	x: 0.062 m η = 1.6	x: 0.062 m η = 0.8	x: 0.513 m η = 2.6	x: 0.513 m η = 5.1	x: 0.513 m η = 0.1	x: 0.513 m η = 0.3	N.P.[4]	x: 0.513 m η = 16.7	x: 0.513 m η = 14.7	**CUMPLE h = 16.7**
N151/N152	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 1.0	x: 0.037 m η = 10.1	x: 0.037 m η = 2.6	x: 0.037 m η = 3.3	x: 0.488 m η = 4.9	x: 0.037 m η = 1.8	x: 0.488 m η = 1.2	x: 0.037 m η = 4.1	x: 0.488 m η = 6.0	x: 0.037 m η = 0.2	x: 0.488 m η = 0.4	x: 0.488 m η = 11.4	x: 0.488 m η = 19.2	x: 0.488 m η = 16.9	**CUMPLE h = 19.2**
N152/N153	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 1.9	x: 0.062 m η = 9.0	x: 0.062 m η = 2.0	x: 0.513 m η = 1.9	x: 0.513 m η = 4.2	x: 0.062 m η = 1.5	x: 0.062 m η = 0.6	x: 0.513 m η = 2.2	x: 0.513 m η = 5.1	x: 0.513 m η = 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 7.8	x: 0.513 m η = 15.2	x: 0.513 m η = 13.3	**CUMPLE h = 15.2**
N153/N154	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 2.0	x: 0.037 m η = 9.0	x: 0.037 m η = 2.3	x: 0.037 m η = 3.4	x: 0.488 m η = 4.8	x: 0.037 m η = 1.7	x: 0.488 m η = 1.4	x: 0.037 m η = 4.2	x: 0.488 m η = 5.6	x: 0.037 m η = 0.2	x: 0.488 m η = 0.3	x: 0.488 m η = 11.4	x: 0.488 m η = 18.4	x: 0.488 m η = 16.0	**CUMPLE h = 18.4**
N154/N155	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 2.5	x: 0.062 m η = 5.6	x: 0.062 m η = 1.7	x: 0.062 m η = 1.1	x: 0.513 m η = 3.4	x: 0.063 m η = 1.1	x: 0.062 m η = 0.4	x: 0.062 m η = 1.8	x: 0.513 m η = 4.1	x: 0.062 m η < 0.1	x: 0.513 m η = 0.2	x: 0.513 m η = 6.9	x: 0.513 m η = 9.9	x: 0.513 m η = 8.8	**CUMPLE h = 9.9**
N155/N145	w / t ≤(w / t)máx. Cumple	x: 0.52 m η = 2.6	x: 0.037 m η = 5.4	x: 0.038 m η = 1.3	x: 0.521 m η = 5.6	x: 0.521 m η = 3.9	x: 0.038 m η = 1.0	x: 0.521 m η = 1.9	x: 0.521 m η = 6.0	x: 0.521 m η = 4.3	x: 0.521 m η = 0.4	x: 0.521 m η = 0.2	x: 0.521 m η = 9.4	x: 0.521 m η = 15.1	x: 0.521 m η = 13.2	**CUMPLE h = 15.1**
N33/N156	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 6.7	x: 0.218 m η = 7.7	η = 5.1	x: 0.218 m η = 12.2	x: 0.218 m η = 7.0	η = 4.4	x: 0.365 m η = 5.1	x: 0.218 m η = 13.8	x: 0.218 m η = 9.2	x: 0.218 m η = 2.2	x: 0.218 m η = 1.0	x: 0.218 m η = 24.0	x: 0.218 m η = 26.1	x: 0.218 m η = 20.5	**CUMPLE h = 26.1**
N156/N157	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 6.0	x: 0.037 m η = 7.3	x: 0.487 m η = 2.3	x: 0.488 m η = 2.9	x: 0.488 m η = 3.1	x: 0.487 m η = 1.2	x: 0.037 m η = 1.2	x: 0.037 m η = 3.5	x: 0.488 m η = 4.1	x: 0.037 m η = 0.1	x: 0.488 m η = 0.2	x: 0.488 m η = 10.8	x: 0.488 m η = 11.1	x: 0.037 m η = 10.5	**CUMPLE h = 11.1**
N157/N158	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 4.7	x: 0.062 m η = 5.3	x: 0.062 m η = 2.3	x: 0.062 m η = 3.1	x: 0.062 m η = 4.0	η = 1.5	x: 0.513 m η = 1.1	x: 0.062 m η = 4.1	x: 0.062 m η = 5.0	x: 0.062 m η = 0.2	x: 0.062 m η = 0.3	x: 0.062 m η = 12.0	x: 0.062 m η = 12.8	x: 0.062 m η = 10.3	**CUMPLE h = 12.8**
N158/N159	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 4.4	x: 0.037 m η = 5.2	η = 2.1	x: 0.488 m η = 2.7	x: 0.037 m η = 2.9	x: 0.487 m η = 1.0	x: 0.037 m η = 0.9	x: 0.488 m η = 2.9	x: 0.037 m η = 3.8	x: 0.488 m η = 0.1	x: 0.037 m η = 0.2	x: 0.037 m η = 9.5	x: 0.037 m η = 9.3	x: 0.037 m η = 7.6	**CUMPLE h = 9.5**
N159/N160	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 4.0	x: 0.062 m η = 6.0	η = 2.3	x: 0.062 m η = 3.2	x: 0.062 m η = 3.6	x: 0.062 m η = 1.2	x: 0.513 m η = 1.3	x: 0.062 m η = 4.2	x: 0.062 m η = 4.6	x: 0.062 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 11.8	x: 0.062 m η = 14.4	x: 0.062 m η = 11.7	**CUMPLE h = 14.4**
N160/N161	w / t ≤(w / t)máx. Cumple	x: 0.038 m η = 3.5	x: 0.038 m η = 5.6	η = 1.9	x: 0.488 m η = 2.1	x: 0.037 m η = 2.9	x: 0.037 m η = 0.9	x: 0.037 m η = 0.6	x: 0.488 m η = 2.3	x: 0.037 m η = 3.7	x: 0.488 m η = 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 9.4	x: 0.037 m η = 10.7	x: 0.037 m η = 9.1	**CUMPLE h = 10.7**
N161/N162	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 3.7	x: 0.062 m η = 8.8	η = 2.2	x: 0.513 m η = 3.5	x: 0.062 m η = 3.5	x: 0.512 m η = 1.1	x: 0.512 m η = 1.5	x: 0.513 m η = 4.4	x: 0.062 m η = 4.3	x: 0.513 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 11.3	x: 0.062 m η = 17.3	x: 0.062 m η = 14.7	**CUMPLE h = 17.3**
N162/N163	w / t ≤(w / t)máx. Cumple	x: 0.037 m η = 3.2	x: 0.037 m η = 8.5	x: 0.261 m η = 1.4	x: 0.485 m η = 1.7	x: 0.037 m η = 2.4	x: 0.484 m η = 0.7	x: 0.037 m η = 0.7	x: 0.485 m η = 2.2	x: 0.037 m η = 3.0	x: 0.485 m η = 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 8.2	x: 0.037 m η = 13.4	x: 0.037 m η = 11.9	**CUMPLE h = 13.4**
N163/N164	w / t ≤(w / t)máx. Cumple	x: 0.464 m η = 4.0	x: 0.464 m η = 13.9	η = 1.6	x: 0.465 m η = 8.2	x: 0.065 m η = 2.4	x: 0.464 m η = 0.7	x: 0.464 m η = 3.2	x: 0.465 m η = 8.8	x: 0.065 m η = 3.0	x: 0.465 m η = 0.9	x: 0.065 m η = 0.1	x: 0.065 m η = 10.3	x: 0.465 m η = 23.9	x: 0.465 m η = 24.1	**CUMPLE h = 24.1**
N17/N165	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 6.3	x: 0.218 m η = 7.6	η = 4.8	x: 0.218 m η = 12.3	x: 0.218 m η = 6.3	η = 4.0	x: 0.512 m η = 5.1	x: 0.218 m η = 13.5	x: 0.218 m η = 8.3	x: 0.218 m η = 2.1	x: 0.218 m η = 0.9	x: 0.218 m η = 23.3	x: 0.218 m η = 25.7	x: 0.218 m η = 20.1	**CUMPLE h = 25.7**
N165/N166	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 5.7	x: 0.037 m η = 7.2	x: 0.487 m η = 2.3	x: 0.037 m η = 2.9	x: 0.488 m η = 3.1	x: 0.487 m η = 1.2	x: 0.037 m η = 1.2	x: 0.037 m η = 3.4	x: 0.488 m η = 4.2	x: 0.037 m η = 0.1	x: 0.488 m η = 0.2	x: 0.488 m η = 10.4	x: 0.037 m η = 10.8	x: 0.037 m η = 10.4	**CUMPLE h = 10.8**
N166/N167	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 4.5	x: 0.062 m η = 5.3	x: 0.062 m η = 2.4	x: 0.062 m η = 3.0	x: 0.062 m η = 3.9	η = 1.4	x: 0.513 m η = 1.1	x: 0.062 m η = 4.0	x: 0.062 m η = 5.0	x: 0.062 m η = 0.2	x: 0.062 m η = 0.3	x: 0.062 m η = 11.5	x: 0.062 m η = 12.2	x: 0.062 m η = 9.7	**CUMPLE h = 12.2**
N167/N168	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 4.2	x: 0.037 m η = 5.2	η = 2.2	x: 0.488 m η = 2.7	x: 0.037 m η = 2.8	x: 0.487 m η = 1.0	x: 0.037 m η = 0.9	x: 0.488 m η = 3.0	x: 0.037 m η = 3.7	x: 0.488 m η = 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 9.0	x: 0.037 m η = 9.0	x: 0.037 m η = 7.3	**CUMPLE h = 9.0**
N168/N169	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 3.8	x: 0.062 m η = 5.8	η = 2.4	x: 0.062 m η = 3.2	x: 0.062 m η = 3.6	x: 0.062 m η = 1.2	x: 0.513 m η = 1.2	x: 0.062 m η = 4.1	x: 0.062 m η = 4.7	x: 0.062 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 11.5	x: 0.062 m η = 14.0	x: 0.062 m η = 11.3	**CUMPLE h = 14.0**
N169/N170	w / t ≤(w / t)máx. Cumple	x: 0.038 m η = 3.3	x: 0.038 m η = 5.5	η = 2.0	x: 0.488 m η = 2.1	x: 0.037 m η = 2.8	x: 0.037 m η = 1.0	x: 0.037 m η = 0.6	x: 0.488 m η = 2.3	x: 0.037 m η = 3.7	x: 0.488 m η = 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 9.1	x: 0.037 m η = 10.4	x: 0.037 m η = 8.9	**CUMPLE h = 10.4**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_x	M_yV_x	MT	MP	TPTrMV	
N170/N171	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.512 m η = 3.6	x: 0.062 m η = 8.7	η = 2.2	x: 0.513 m η = 3.4	x: 0.062 m η = 3.5	x: 0.512 m η = 1.1	x: 0.512 m η = 1.4	x: 0.513 m η = 4.4	x: 0.062 m η = 4.4	x: 0.513 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 11.2	x: 0.062 m η = 17.1	x: 0.062 m η = 14.4	**CUMPLE h = 17.1**
N171/N172	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.037 m η = 3.1	x: 0.037 m η = 8.4	x: 0.261 m η = 1.5	x: 0.485 m η = 1.7	x: 0.037 m η = 2.3	x: 0.484 m η = 0.7	x: 0.037 m η = 0.7	x: 0.485 m η = 2.2	x: 0.037 m η = 3.0	x: 0.485 m η = 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 8.0	x: 0.037 m η = 13.2	x: 0.037 m η = 11.7	**CUMPLE h = 13.2**
N172/N164	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.464 m η = 4.0	x: 0.464 m η = 13.9	η = 1.6	x: 0.465 m η = 8.2	x: 0.065 m η = 2.2	x: 0.464 m η = 0.6	x: 0.464 m η = 3.2	x: 0.465 m η = 8.8	x: 0.065 m η = 2.9	x: 0.465 m η = 0.9	x: 0.065 m η = 0.1	x: 0.065 m η = 10.4	x: 0.465 m η = 23.8	x: 0.465 m η = 24.1	**CUMPLE h = 24.1**
N2/N87	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 6.9	x: 0.081 m η = 8.4	η = 1.6	x: 0.64 m η = 4.9	x: 0.081 m η = 4.9	x: 0.639 m η = 0.9	x: 0.361 m η = 1.2	x: 0.64 m η = 5.5	x: 0.081 m η = 5.6	x: 0.64 m η = 0.3	x: 0.081 m η = 0.3	x: 0.081 m η = 17.6	x: 0.081 m η = 16.7	x: 0.081 m η = 14.5	**CUMPLE h = 17.6**
N3/N87	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.2 m η = 1.9	x: 0.2 m η = 2.0	η = 0.7	x: 0.355 m η = 3.5	x: 0.355 m η = 3.3	x: 0.2 m η = 1.6	x: 0.045 m η = 1.7	x: 0.355 m η = 3.5	x: 0.355 m η = 3.6	x: 0.355 m η = 0.2	x: 0.355 m η = 0.2	x: 0.355 m η = 7.6	x: 0.355 m η = 6.5	x: 0.355 m η = 6.1	**CUMPLE h = 7.6**
N87/N4	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 7.9	x: 0.639 m η = 8.5	η = 1.9	x: 0.081 m η = 5.1	x: 0.081 m η = 4.2	η = 1.0	x: 0.081 m η = 1.4	x: 0.64 m η = 5.9	x: 0.081 m η = 5.1	x: 0.64 m η = 0.4	x: 0.081 m η = 0.3	x: 0.081 m η = 17.6	x: 0.081 m η = 15.1	x: 0.64 m η = 13.7	**CUMPLE h = 17.6**
N4/N89	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 5.8	x: 0.081 m η = 7.0	x: 0.081 m η = 1.2	x: 0.081 m η = 4.4	x: 0.081 m η = 5.1	η = 1.0	x: 0.639 m η = 1.2	x: 0.081 m η = 4.7	x: 0.081 m η = 5.4	x: 0.081 m η = 0.2	x: 0.081 m η = 0.3	x: 0.081 m η = 16.4	x: 0.081 m η = 14.9	x: 0.081 m η = 13.3	**CUMPLE h = 16.4**
N89/N6	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 7.0	x: 0.639 m η = 7.4	η = 1.5	x: 0.081 m η = 3.7	x: 0.081 m η = 3.9	η = 1.0	x: 0.639 m η = 1.0	x: 0.081 m η = 4.4	x: 0.081 m η = 4.5	x: 0.081 m η = 0.2	x: 0.081 m η = 0.2	x: 0.081 m η = 14.3	x: 0.081 m η = 12.4	x: 0.081 m η = 12.1	**CUMPLE h = 14.3**
N6/N91	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 5.8	x: 0.081 m η = 7.0	η = 0.8	x: 0.081 m η = 3.0	x: 0.081 m η = 4.8	η = 1.0	x: 0.639 m η = 0.8	x: 0.081 m η = 3.1	x: 0.081 m η = 4.9	x: 0.081 m η = 0.1	x: 0.081 m η = 0.3	x: 0.081 m η = 12.7	x: 0.081 m η = 11.7	x: 0.081 m η = 10.8	**CUMPLE h = 12.7**
N91/N8	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 6.0	x: 0.639 m η = 6.3	x: 0.081 m η = 1.1	x: 0.081 m η = 2.3	x: 0.64 m η = 3.5	x: 0.081 m η = 0.9	x: 0.639 m η = 0.6	x: 0.081 m η = 2.8	x: 0.64 m η = 3.9	x: 0.081 m η = 0.1	x: 0.64 m η = 0.2	x: 0.081 m η = 11.1	x: 0.081 m η = 10.2	x: 0.081 m η = 10.2	**CUMPLE h = 11.1**
N8/N93	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.081 m η = 6.1	x: 0.081 m η = 7.3	η = 0.5	x: 0.081 m η = 1.7	x: 0.081 m η = 4.2	x: 0.639 m η = 0.9	x: 0.639 m η = 0.4	x: 0.081 m η = 1.7	x: 0.081 m η = 4.2	x: 0.081 m η < 0.1	x: 0.081 m η = 0.2	x: 0.64 m η = 9.8	x: 0.64 m η = 10.0	x: 0.64 m η = 9.3	**CUMPLE h = 10.0**
N93/N10	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 5.8	x: 0.081 m η = 6.0	x: 0.639 m η = 0.6	x: 0.64 m η = 2.4	x: 0.64 m η = 4.1	x: 0.081 m η = 0.9	x: 0.639 m η = 0.3	x: 0.64 m η = 2.4	x: 0.64 m η = 4.4	x: 0.64 m η = 0.1	x: 0.64 m η = 0.2	x: 0.64 m η = 10.9	x: 0.64 m η = 10.0	x: 0.64 m η = 9.5	**CUMPLE h = 10.9**
N10/N61	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 5.3	x: 0.081 m η = 6.1	x: 0.639 m η = 1.6	x: 0.64 m η = 7.7	x: 0.081 m η = 4.2	x: 0.639 m η = 1.1	x: 0.639 m η = 1.1	x: 0.64 m η = 7.9	x: 0.081 m η = 4.9	x: 0.64 m η = 0.6	x: 0.081 m η = 0.3	x: 0.64 m η = 17.9	x: 0.64 m η = 17.3	x: 0.64 m η = 16.0	**CUMPLE h = 17.9**
N61/N12	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.32 m η = 15.5	x: 0.32 m η = 20.5	η = 0.8	x: 0.072 m η = 2.0	x: 0.568 m η = 0.3	η = 0.1	x: 0.567 m η = 0.5	x: 0.072 m η = 2.1	x: 0.072 m η = 0.5	x: 0.072 m η < 0.1	x: 0.072 m η < 0.1	N.P.[4]	x: 0.072 m η = 22.7	x: 0.072 m η = 22.9	**CUMPLE h = 22.9**
N4/N88	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.8	η = 1.9	x: 0.2 m η = 0.6	x: 0.045 m η = 4.9	x: 0.045 m η = 2.6	η = 1.2	x: 0.045 m η = 2.4	x: 0.045 m η = 5.0	x: 0.045 m η = 2.7	x: 0.045 m η = 0.3	x: 0.045 m η = 0.1	x: 0.045 m η = 8.5	x: 0.045 m η = 7.4	x: 0.045 m η = 6.5	**CUMPLE h = 8.5**
N5/N89	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.2 m η = 1.5	x: 0.2 m η = 1.6	x: 0.2 m η = 0.8	x: 0.355 m η = 5.0	x: 0.355 m η = 2.1	x: 0.2 m η = 1.0	x: 0.045 m η = 2.4	x: 0.355 m η = 5.0	x: 0.355 m η = 2.5	x: 0.355 m η = 0.3	x: 0.355 m η = 0.1	x: 0.355 m η = 8.4	x: 0.355 m η = 7.3	x: 0.355 m η = 7.1	**CUMPLE h = 8.4**
N6/N90	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.2	η = 1.4	η = 0.6	x: 0.045 m η = 4.6	x: 0.045 m η = 1.8	η = 0.9	x: 0.045 m η = 2.2	x: 0.045 m η = 4.7	x: 0.045 m η = 1.9	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 7.0	x: 0.045 m η = 6.1	x: 0.045 m η = 5.8	**CUMPLE h = 7.0**
N7/N91	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.2 m η = 0.9	x: 0.2 m η = 1.0	x: 0.2 m η = 0.8	x: 0.355 m η = 4.9	x: 0.355 m η = 1.3	x: 0.2 m η = 0.6	x: 0.045 m η = 2.4	x: 0.355 m η = 4.9	x: 0.355 m η = 1.7	x: 0.355 m η = 0.3	x: 0.355 m η < 0.1	x: 0.355 m η = 6.6	x: 0.355 m η = 5.0	x: 0.355 m η = 6.1	**CUMPLE h = 6.6**
N8/N92	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 0.7	η = 0.7	x: 0.2 m η = 0.6	x: 0.045 m η = 4.5	x: 0.045 m η = 1.0	η = 0.5	x: 0.045 m η = 2.2	x: 0.045 m η = 4.6	x: 0.045 m η = 1.1	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 6.3	x: 0.045 m η = 5.0	x: 0.045 m η = 5.7	**CUMPLE h = 6.3**
N9/N93	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 0.4	η = 0.5	x: 0.045 m η = 0.9	x: 0.355 m η = 4.6	x: 0.355 m η = 0.6	x: 0.045 m η = 0.3	x: 0.045 m η = 2.2	x: 0.355 m η = 4.6	x: 0.355 m η = 1.0	x: 0.355 m η = 0.3	x: 0.354 m η < 0.1	x: 0.355 m η = 6.2	x: 0.355 m η = 5.1	x: 0.355 m η = 5.9	**CUMPLE h = 6.2**
N10/N94	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 0.4	η = 0.5	η = 0.3	x: 0.355 m η = 6.8	x: 0.045 m η = 1.5	x: 0.045 m η = 0.7	x: 0.045 m η = 3.3	x: 0.355 m η = 6.9	x: 0.045 m η = 1.6	x: 0.355 m η = 0.6	x: 0.045 m η < 0.1	x: 0.355 m η = 9.3	x: 0.355 m η = 8.2	x: 0.355 m η = 9.1	**CUMPLE h = 9.3**
N2/N86	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.9	η = 1.9	η = 1.1	x: 0.045 m η = 17.5	x: 0.045 m η = 3.0	η = 1.3	x: 0.2 m η = 8.4	x: 0.045 m η = 18.0	x: 0.045 m η = 3.3	x: 0.045 m η = 3.9	x: 0.045 m η = 0.1	x: 0.045 m η = 25.9	x: 0.045 m η = 19.8	x: 0.045 m η = 23.2	**CUMPLE h = 25.9**
N96/N107	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 5.9	x: 0.081 m η = 10.8	η = 2.2	x: 0.64 m η = 8.3	x: 0.081 m η = 9.0	η = 2.0	x: 0.081 m η = 2.1	x: 0.64 m η = 9.3	x: 0.081 m η = 9.9	x: 0.64 m η = 0.9	x: 0.081 m η = 1.0	x: 0.081 m η = 23.8	x: 0.081 m η = 27.7	x: 0.081 m η = 24.1	**CUMPLE h = 27.7**
N97/N107	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.2 m η = 3.0	x: 0.2 m η = 2.3	x: 0.2 m η = 1.2	x: 0.355 m η = 4.3	x: 0.355 m η = 4.1	x: 0.2 m η = 2.0	x: 0.045 m η = 2.1	x: 0.355 m η = 4.3	x: 0.355 m η = 4.6	x: 0.355 m η = 0.2	x: 0.355 m η = 0.3	x: 0.355 m η = 10.2	x: 0.355 m η = 8.2	x: 0.355 m η = 8.1	**CUMPLE h = 10.2**
N107/N98	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.081 m η = 8.5	x: 0.081 m η = 10.0	η = 2.1	x: 0.081 m η = 8.6	x: 0.081 m η = 8.6	η = 2.1	x: 0.081 m η = 2.3	x: 0.081 m η = 9.5	x: 0.081 m η = 9.5	x: 0.081 m η = 1.0	x: 0.081 m η = 0.9	x: 0.081 m η = 24.1	x: 0.081 m η = 25.0	x: 0.081 m η = 21.1	**CUMPLE h = 25.0**
N98/N109	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 4.2	x: 0.081 m η = 8.9	x: 0.639 m η = 0.9	x: 0.081 m η = 7.0	x: 0.081 m η = 8.9	η = 2.0	x: 0.081 m η = 1.8	x: 0.081 m η = 7.4	x: 0.081 m η = 9.2	x: 0.081 m η = 0.6	x: 0.081 m η = 0.9	x: 0.081 m η = 19.3	x: 0.081 m η = 23.8	x: 0.081 m η = 21.5	**CUMPLE h = 23.8**
N109/N100	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 7.3	x: 0.081 m η = 8.6	x: 0.361 m η = 1.2	x: 0.081 m η = 5.5	x: 0.081 m η = 7.5	x: 0.639 m η = 2.0	x: 0.081 m η = 1.5	x: 0.081 m η = 6.0	x: 0.081 m η = 8.0	x: 0.081 m η = 0.4	x: 0.081 m η = 0.7	x: 0.081 m η = 15.4	x: 0.081 m η = 16.7	x: 0.081 m η = 15.7	**CUMPLE h = 16.7**
N100/N111	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 4.3	x: 0.081 m η = 9.0	η = 0.5	x: 0.081 m η = 4.1	x: 0.081 m η = 8.2	x: 0.639 m η = 2.0	x: 0.081 m η = 1.0	x: 0.081 m η = 4.1	x: 0.081 m η = 8.2	x: 0.081 m η = 0.2	x: 0.081 m η = 0.7	x: 0.64 m η = 12.3	x: 0.081 m η = 17.3	x: 0.081 m η = 16.4	**CUMPLE h = 17.3**
N111/N102	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 6.9	x: 0.081 m η = 8.1	η = 0.5	x: 0.081 m η = 2.9	x: 0.64 m η = 8.0	x: 0.081 m η = 2.0	x: 0.081 m η = 0.7	x: 0.081 m η = 3.0	x: 0.64 m η = 8.1	x: 0.081 m η = 0.1	x: 0.64 m η = 0.7	x: 0.64 m η = 13.4	x: 0.081 m η = 14.3	x: 0.081 m η = 13.2	**CUMPLE h = 14.3**
N102/N113	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 4.6	x: 0.081 m η = 9.2	x: 0.639 m η = 1.0	x: 0.64 m η = 3.8	x: 0.081 m η = 7.1	x: 0.639 m η = 1.9	x: 0.081 m η = 0.9	x: 0.64 m η = 3.8	x: 0.081 m η = 7.5	x: 0.64 m η = 0.2	x: 0.081 m η = 0.6	x: 0.64 m η = 12.2	x: 0.081 m η = 14.3	x: 0.64 m η = 14.0	**CUMPLE h = 14.3**
N113/N104	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.081 m η = 7.1	x: 0.081 m η = 8.3	η = 1.2	x: 0.64 m η = 5.7	x: 0.64 m η = 9.8	η = 2.1	x: 0.081 m η = 1.4	x: 0.64 m η = 6.2	x: 0.64 m η = 10.3	x: 0.64 m η = 0.4	x: 0.64 m η = 1.1	x: 0.64 m η = 18.0	x: 0.64 m η = 20.4	x: 0.64 m η = 18.2	**CUMPLE h = 20.4**
N104/N65	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.361 m η = 4.2	x: 0.361 m η = 8.2	η = 4.2	x: 0.64 m η = 8.2	x: 0.64 m η = 8.0	η = 1.1	x: 0.639 m η = 1.2	x: 0.64 m η = 8.2	x: 0.64 m η = 9.8	x: 0.64 m η = 0.7	x: 0.64 m η = 1.0	x: 0.64 m η = 21.3	x: 0.64 m η = 19.2	x: 0.64 m η = 17.1	**CUMPLE h = 21.3**
N98/N108	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.6	η = 1.8	η = 0.9	x: 0.045 m η = 6.0	x: 0.045 m η = 2.8	η = 1.3	x: 0.045 m η = 2.9	x: 0.045 m η = 6.1	x: 0.045 m η = 3.1	x: 0.045 m η = 0.5	x: 0.045 m η = 0.1	x: 0.045 m η = 10.7	x: 0.045 m η = 7.5	x: 0.045 m η = 7.7	**CUMPLE h = 10.7**
N99/N109	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.0	η = 1.2	η = 1.4	x: 0.355 m η = 6.1	x: 0.355 m η = 1.9	η = 0.9	x: 0.045 m η = 3.0	x: 0.355 m η = 6.1	x: 0.355 m η = 2.5	x: 0.355 m η = 0.5	x: 0.355 m η = 0.1	x: 0.355 m η = 8.5	x: 0.355 m η = 7.5	x: 0.355 m η = 7.9	**CUMPLE h = 8.5**
N100/N110	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.4	η = 0.6	η = 0.8	x: 0.045 m η = 5.7	x: 0.045 m η = 1.0	η = 0.5	x: 0.045 m η = 2.8	x: 0.045 m η = 5.8	x: 0.045 m η = 1.4	x: 0.045 m η = 0.4	x: 0.045 m η < 0.1	x: 0.045 m η = 7.8	x: 0.045 m η = 5.7	x: 0.045 m η = 7.3	**CUMPLE h = 7.8**
N101/N111	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 0.9	N.P.[1]	η = 1.3	x: 0.355 m η = 6.1	x: 0.355 m η = 0.3	η = 0.1	x: 0.2 m η = 3.0	x: 0.355 m η = 6.1	x: 0.355 m η = 0.9	x: 0.355 m η = 0.5	x: 0.355 m η < 0.1	x: 0.355 m η = 7.9	N.P.[2]	x: 0.355 m η = 7.8	**CUMPLE h = 7.9**
N102/N112	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.354 m η = 0.8	N.P.[1]	η = 0.8	x: 0.045 m η = 5.9	x: 0.045 m η = 0.6	η = 0.3	x: 0.045 m η = 2.9	x: 0.045 m η = 5.9	x: 0.045 m η = 1.0	x: 0.045 m η = 0.4	x: 0.045 m η < 0.1	x: 0.045 m η = 7.8	N.P.[2]	x: 0.045 m η = 7.5	**CUMPLE h = 7.8**
N103/N113	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.4	η = 0.5	η = 1.2	x: 0.355 m η = 5.8	x: 0.355 m η = 1.5	x: 0.2 m η = 0.7	x: 0.045 m η = 2.8	x: 0.355 m η = 5.8	x: 0.355 m η = 2.0	x: 0.355 m η = 0.4	x: 0.355 m η < 0.1	x: 0.355 m η = 8.0	x: 0.355 m η = 3.6	x: 0.355 m η = 7.7	**CUMPLE h = 8.0**
N104/N114	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.2 m η = 1.3	x: 0.2 m η = 1.2	x: 0.354 m η = 0.8	x: 0.045 m η = 7.8	x: 0.045 m η = 2.1	x: 0.045 m η = 0.9	x: 0.045 m η = 3.9	x: 0.045 m η = 8.0	x: 0.045 m η = 2.4	x: 0.045 m η = 0.8	x: 0.045 m η = 0.1	x: 0.045 m η = 11.2	x: 0.355 m η = 8.9	x: 0.355 m η = 10.3	**CUMPLE h = 11.2**
N96/N106	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.4	η = 1.7	x: 0.2 m η = 1.3	x: 0.045 m η = 20.7	x: 0.045 m η = 4.6	x: 0.2 m η = 2.0	x: 0.045 m η = 10.1	x: 0.045 m η = 20.9	x: 0.045 m η = 5.1	x: 0.045 m η = 5.4	x: 0.045 m η = 0.3	x: 0.045 m η = 30.0	x: 0.045 m η = 22.9	x: 0.045 m η = 28.0	**CUMPLE h = 30.0**
N126/N116	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.4	η = 1.6	x: 0.2 m η = 1.3	x: 0.355 m η = 20.6	x: 0.355 m η = 4.3	x: 0.2 m η = 1.9	x: 0.354 m η = 10.0	x: 0.355 m η = 20.8	x: 0.355 m η = 4.9	x: 0.355 m η = 5.3	x: 0.355 m η = 0.3	x: 0.355 m η = 29.3	x: 0.355 m η = 22.4	x: 0.355 m η = 27.8	**CUMPLE h = 29.3**
N116/N127	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 5.8	x: 0.081 m η = 10.8	η = 2.2	x: 0.64 m η = 8.4	x: 0.081 m η = 9.0	η = 2.0	x: 0.081 m η = 2.1	x: 0.64 m η = 9.4	x: 0.081 m η = 9.9	x: 0.64 m η = 0.9	x: 0.081 m η = 1.0	x: 0.081 m η = 23.8	x: 0.081 m η = 27.8	x: 0.081 m η = 24.2	**CUMPLE h = 27.8**
N127/N118	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.081 m η = 8.3	x: 0.081 m η = 9.9	η = 2.1	x: 0.081 m η = 8.7	x: 0.081 m η = 8.5	η = 2.1	x: 0.081 m η = 2.4	x: 0.081 m η = 9.6	x: 0.081 m η = 9.4	x: 0.081 m η = 1.0	x: 0.081 m η = 0.9	x: 0.081 m η = 24.2	x: 0.081 m η = 25.2	x: 0.081 m η = 21.3	**CUMPLE h = 25.2**
N118/N129	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 4.2	x: 0.081 m η = 9.0	η = 0.9	x: 0.081 m η = 7.2	x: 0.081 m η = 8.9	η = 2.0	x: 0.081 m η = 1.9	x: 0.081 m η = 7.6	x: 0.081 m η = 9.3	x: 0.081 m η = 0.6	x: 0.081 m η = 0.9	x: 0.081 m η = 19.5	x: 0.081 m η = 24.1	x: 0.081 m η = 21.7	**CUMPLE h = 24.1**
N129/N120	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 7.3	x: 0.081 m η = 8.7	x: 0.361 m η = 1.2	x: 0.081 m η = 5.6	x: 0.081 m η = 7.5	x: 0.639 m η = 2.0	x: 0.081 m η = 1.5	x: 0.081 m η = 6.2	x: 0.081 m η = 8.0	x: 0.081 m η = 0.4	x: 0.081 m η = 0.7	x: 0.081 m η = 15.7	x: 0.081 m η = 17.1	x: 0.081 m η = 15.7	**CUMPLE h = 17.1**
N120/N131	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 4.3	x: 0.081 m η = 9.0	η = 0.5	x: 0.081 m η = 4.3	x: 0.081 m η = 8.2	x: 0.639 m η = 2.0	x: 0.081 m η = 1.0	x: 0.081 m η = 4.3	x: 0.081 m η = 8.2	x: 0.081 m η = 0.2	x: 0.081 m η = 0.7	x: 0.64 m η = 12.1	x: 0.081 m η = 17.5	x: 0.081 m η = 16.6	**CUMPLE h = 17.5**
N131/N122	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 6.9	x: 0.081 m η = 8.2	x: 0.361 m η = 0.4	x: 0.081 m η = 3.0	x: 0.64 m η = 8.0	x: 0.081 m η = 2.0	x: 0.081 m η = 0.7	x: 0.081 m η = 3.1	x: 0.64 m η = 8.1	x: 0.081 m η = 0.1	x: 0.64 m η = 0.7	x: 0.64 m η = 13.5	x: 0.081 m η = 14.4	x: 0.081 m η = 13.4	**CUMPLE h = 14.4**
N122/N133	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.639 m η = 4.6	x: 0.081 m η = 9.4	x: 0.639 m η = 0.9	x: 0.64 m η = 3.8	x: 0.081 m η = 7.4	x: 0.639 m η = 2.0	x: 0.081 m η = 0.9	x: 0.64 m η = 3.9	x: 0.081 m η = 7.8	x: 0.64 m η = 0.2	x: 0.081 m η = 0.6	x: 0.64 m η = 12.5	x: 0.081 m η = 14.7	x: 0.64 m η = 14.2	**CUMPLE h = 14.7**
N133/N124	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.081 m η = 7.2	x: 0.081 m η = 8.4	η = 1.2	x: 0.64 m η = 5.7	x: 0.64 m η = 10.1	η = 2.2	x: 0.081 m η = 1.4	x: 0.64 m η = 6.3	x: 0.64 m η = 10.6	x: 0.64 m η = 0.4	x: 0.64 m η = 1.2	x: 0.64 m η = 18.4	x: 0.64 m η = 20.8	x: 0.64 m η = 18.5	**CUMPLE h = 20.8**
N124/N81	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.361 m η = 4.3	x: 0.361 m η = 8.3	η = 4.2	x: 0.64 m η = 8.3	x: 0.64 m η = 8.5	η = 1.1	x: 0.639 m η = 1.2	x: 0.64 m η = 8.3	x: 0.64 m η = 10.3	x: 0.64 m η = 0.7	x: 0.64 m η = 1.1	x: 0.64 m η = 22.0	x: 0.64 m η = 19.4	x: 0.64 m η = 17.4	**CUMPLE h = 22.0**
N81/N34	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.567 m η = 7.5	x: 0.072 m η = 22.4	x: 0.567 m η = 1.7	x: 0.072 m η = 4.8	x: 0.072 m η = 15.8	x: 0.567 m η = 4.4	x: 0.567 m η = 1.0	x: 0.072 m η = 4.8	x: 0.072 m η = 16.6	x: 0.072 m η = 0.2	x: 0.072 m η = 2.9	x: 0.072 m η = 15.8	x: 0.072 m η = 31.7	x: 0.072 m η = 31.6	**CUMPLE h = 31.7**
N34/N146	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.274 m η = 1.3	x: 0.058 m η = 9.4	x: 0.167 m η = 0.8	x: 0.275 m η = 6.9	x: 0.275 m η = 4.2	η = 2.9	x: 0.274 m η = 1.8	x: 0.275 m η = 7.2	x: 0.275 m η = 4.5	x: 0.275 m η = 0.5	x: 0.275 m η = 0.3	x: 0.275 m η = 13.3	x: 0.275 m η = 20.1	x: 0.275 m η = 18.5	**CUMPLE h = 20.1**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N51/N40	w / t ≤(w / t)máx. Cumple	η = 1.8	η = 1.8	η = 1.1	x: 0.355 m η = 17.3	x: 0.355 m η = 3.1	η = 1.4	x: 0.2 m η = 8.4	x: 0.355 m η = 17.8	x: 0.355 m η = 3.3	x: 0.355 m η = 3.9	x: 0.355 m η = 0.1	x: 0.355 m η = 25.3	x: 0.355 m η = 19.4	x: 0.355 m η = 23.1	**CUMPLE h = 25.3**
N40/N52	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 6.8	x: 0.081 m η = 8.3	η = 1.5	x: 0.64 m η = 4.9	x: 0.081 m η = 5.1	x: 0.639 m η = 1.0	x: 0.361 m η = 1.3	x: 0.64 m η = 5.5	x: 0.081 m η = 5.7	x: 0.64 m η = 0.3	x: 0.081 m η = 0.3	x: 0.081 m η = 17.9	x: 0.081 m η = 16.9	x: 0.081 m η = 14.7	**CUMPLE h = 17.9**
N52/N42	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 7.6	x: 0.081 m η = 8.1	η = 1.9	x: 0.64 m η = 5.1	x: 0.081 m η = 4.1	η = 1.0	x: 0.081 m η = 1.4	x: 0.64 m η = 6.0	x: 0.081 m η = 5.0	x: 0.64 m η = 0.4	x: 0.081 m η = 0.3	x: 0.081 m η = 17.5	x: 0.081 m η = 15.1	x: 0.64 m η = 13.0	**CUMPLE h = 17.5**
N42/N54	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 5.7	x: 0.081 m η = 6.9	η = 1.1	x: 0.081 m η = 4.5	x: 0.081 m η = 5.0	η = 1.0	x: 0.639 m η = 1.2	x: 0.081 m η = 4.8	x: 0.081 m η = 5.4	x: 0.081 m η = 0.2	x: 0.081 m η = 0.3	x: 0.081 m η = 16.5	x: 0.081 m η = 15.0	x: 0.081 m η = 13.3	**CUMPLE h = 16.5**
N54/N44	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 6.9	x: 0.081 m η = 7.3	η = 1.5	x: 0.081 m η = 3.8	x: 0.081 m η = 3.8	η = 1.0	x: 0.639 m η = 1.0	x: 0.081 m η = 4.5	x: 0.081 m η = 4.5	x: 0.081 m η = 0.2	x: 0.081 m η = 0.2	x: 0.081 m η = 14.4	x: 0.081 m η = 12.1	x: 0.081 m η = 11.7	**CUMPLE h = 14.4**
N44/N56	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 5.8	x: 0.081 m η = 7.0	η = 0.9	x: 0.081 m η = 3.1	x: 0.081 m η = 4.8	η = 1.0	x: 0.639 m η = 0.8	x: 0.081 m η = 3.2	x: 0.081 m η = 5.0	x: 0.081 m η = 0.1	x: 0.081 m η = 0.3	x: 0.081 m η = 13.0	x: 0.081 m η = 11.9	x: 0.081 m η = 10.9	**CUMPLE h = 13.0**
N56/N46	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 6.0	x: 0.081 m η = 6.3	x: 0.081 m η = 1.1	x: 0.081 m η = 2.4	x: 0.64 m η = 3.6	x: 0.081 m η = 0.9	x: 0.639 m η = 0.6	x: 0.081 m η = 2.9	x: 0.64 m η = 4.0	x: 0.081 m η = 0.1	x: 0.64 m η = 0.2	x: 0.081 m η = 11.3	x: 0.081 m η = 10.3	x: 0.081 m η = 10.4	**CUMPLE h = 11.3**
N46/N58	w / t ≤(w / t)máx. Cumple	x: 0.081 m η = 6.3	x: 0.081 m η = 7.5	η = 0.5	x: 0.081 m η = 1.7	x: 0.081 m η = 4.3	x: 0.639 m η = 0.9	x: 0.639 m η = 0.4	x: 0.081 m η = 1.8	x: 0.081 m η = 4.3	x: 0.081 m η < 0.1	x: 0.081 m η = 0.2	x: 0.081 m η = 10.0	x: 0.64 m η = 10.0	x: 0.64 m η = 9.3	**CUMPLE h = 10.0**
N58/N48	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 6.0	x: 0.081 m η = 6.1	x: 0.639 m η = 0.6	x: 0.64 m η = 2.4	x: 0.64 m η = 4.2	x: 0.081 m η = 1.0	x: 0.639 m η = 0.3	x: 0.64 m η = 2.4	x: 0.64 m η = 4.5	x: 0.64 m η = 0.1	x: 0.64 m η = 0.2	x: 0.64 m η = 11.0	x: 0.64 m η = 10.1	x: 0.64 m η = 9.6	**CUMPLE h = 11.0**
N48/N60	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 5.4	x: 0.081 m η = 6.2	x: 0.639 m η = 1.6	x: 0.64 m η = 7.8	x: 0.081 m η = 4.4	x: 0.639 m η = 1.1	x: 0.639 m η = 1.1	x: 0.64 m η = 8.0	x: 0.081 m η = 5.1	x: 0.64 m η = 0.6	x: 0.081 m η = 0.3	x: 0.64 m η = 17.8	x: 0.64 m η = 17.2	x: 0.64 m η = 16.0	**CUMPLE h = 17.8**
N60/N38	w / t ≤(w / t)máx. Cumple	x: 0.32 m η = 15.7	x: 0.32 m η = 20.7	η = 0.9	x: 0.072 m η = 2.0	x: 0.072 m η = 0.2	η < 0.1	x: 0.567 m η = 0.6	x: 0.072 m η = 2.2	x: 0.072 m η = 0.5	x: 0.072 m η < 0.1	x: 0.072 m η < 0.1	N.P.(4)	x: 0.072 m η = 23.0	x: 0.072 m η = 23.2	**CUMPLE h = 23.2**
N52/N41	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 1.9	x: 0.354 m η = 2.1	η = 0.7	x: 0.045 m η = 3.3	x: 0.045 m η = 3.4	x: 0.354 m η = 1.7	x: 0.355 m η = 1.6	x: 0.045 m η = 3.3	x: 0.045 m η = 3.8	x: 0.045 m η = 0.1	x: 0.045 m η = 0.2	x: 0.045 m η = 7.6	x: 0.045 m η = 6.4	x: 0.045 m η = 6.4	**CUMPLE h = 7.6**
N127/N117	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 3.1	x: 0.2 m η = 2.3	x: 0.2 m η = 1.2	x: 0.045 m η = 4.2	x: 0.045 m η = 4.2	x: 0.2 m η = 2.0	x: 0.355 m η = 2.0	x: 0.045 m η = 4.2	x: 0.045 m η = 4.7	x: 0.045 m η = 0.2	x: 0.045 m η = 0.3	x: 0.045 m η = 10.3	x: 0.045 m η = 8.3	x: 0.045 m η = 8.3	**CUMPLE h = 10.3**
N128/N118	w / t ≤(w / t)máx. Cumple	η = 2.6	η = 1.8	η = 0.9	x: 0.355 m η = 5.9	x: 0.355 m η = 2.8	η = 1.3	x: 0.355 m η = 2.9	x: 0.355 m η = 6.1	x: 0.355 m η = 3.2	x: 0.355 m η = 0.5	x: 0.355 m η = 0.1	x: 0.355 m η = 10.7	x: 0.355 m η = 7.3	x: 0.355 m η = 7.7	**CUMPLE h = 10.7**
N53/N42	w / t ≤(w / t)máx. Cumple	η = 1.8	η = 1.9	x: 0.2 m η = 0.6	x: 0.355 m η = 4.8	x: 0.355 m η = 2.6	η = 1.2	x: 0.355 m η = 2.3	x: 0.355 m η = 4.9	x: 0.355 m η = 2.7	x: 0.355 m η = 0.3	x: 0.355 m η = 0.1	x: 0.355 m η = 8.3	x: 0.355 m η = 7.2	x: 0.355 m η = 6.3	**CUMPLE h = 8.3**
N54/N43	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 1.5	x: 0.2 m η = 1.6	x: 0.2 m η = 0.8	x: 0.045 m η = 4.9	x: 0.045 m η = 2.1	x: 0.2 m η = 1.0	x: 0.355 m η = 2.4	x: 0.045 m η = 4.9	x: 0.045 m η = 2.5	x: 0.045 m η = 0.3	x: 0.045 m η = 0.1	x: 0.045 m η = 8.3	x: 0.045 m η = 7.2	x: 0.045 m η = 7.0	**CUMPLE h = 8.3**
N129/N119	w / t ≤(w / t)máx. Cumple	η = 2.1	η = 1.2	η = 1.4	x: 0.045 m η = 6.0	x: 0.045 m η = 1.9	η = 0.9	x: 0.355 m η = 2.9	x: 0.045 m η = 6.1	x: 0.045 m η = 2.5	x: 0.045 m η = 0.5	x: 0.045 m η = 0.1	x: 0.045 m η = 8.4	x: 0.045 m η = 7.4	x: 0.045 m η = 7.9	**CUMPLE h = 8.4**
N130/N120	w / t ≤(w / t)máx. Cumple	η = 1.5	η = 0.6	η = 0.8	x: 0.355 m η = 5.7	x: 0.355 m η = 1.1	η = 0.5	x: 0.355 m η = 2.8	x: 0.355 m η = 5.8	x: 0.355 m η = 1.5	x: 0.355 m η = 0.4	x: 0.355 m η < 0.1	x: 0.355 m η = 7.8	x: 0.355 m η = 5.8	x: 0.355 m η = 7.3	**CUMPLE h = 7.8**
N55/N44	w / t ≤(w / t)máx. Cumple	η = 1.3	η = 1.4	x: 0.2 m η = 0.6	x: 0.355 m η = 4.5	x: 0.355 m η = 1.8	η = 0.9	x: 0.355 m η = 2.2	x: 0.355 m η = 4.7	x: 0.355 m η = 2.0	x: 0.355 m η = 0.3	x: 0.355 m η < 0.1	x: 0.355 m η = 6.8	x: 0.355 m η = 6.0	x: 0.355 m η = 5.7	**CUMPLE h = 6.8**
N131/N121	w / t ≤(w / t)máx. Cumple	η = 0.9	N.P.(1)	η = 1.4	x: 0.045 m η = 6.1	x: 0.045 m η = 0.3	η = 0.1	x: 0.355 m η = 3.0	x: 0.045 m η = 6.1	x: 0.045 m η = 0.9	x: 0.045 m η = 0.5	x: 0.045 m η < 0.1	x: 0.045 m η = 8.1	N.P.(2)	x: 0.045 m η = 7.8	**CUMPLE h = 8.1**
N56/N45	w / t ≤(w / t)máx. Cumple	η = 0.9	η = 1.0	η = 0.8	x: 0.045 m η = 4.9	x: 0.045 m η = 1.3	η = 0.6	x: 0.355 m η = 2.4	x: 0.045 m η = 4.9	x: 0.045 m η = 1.7	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 7.2	x: 0.045 m η = 6.2	x: 0.045 m η = 6.3	**CUMPLE h = 7.2**
N57/N46	w / t ≤(w / t)máx. Cumple	η = 0.7	η = 0.8	x: 0.2 m η = 0.6	x: 0.355 m η = 4.6	x: 0.355 m η = 1.0	η = 0.5	x: 0.355 m η = 2.2	x: 0.355 m η = 4.7	x: 0.355 m η = 1.1	x: 0.355 m η = 0.3	x: 0.355 m η < 0.1	x: 0.355 m η = 6.3	x: 0.355 m η = 5.0	x: 0.355 m η = 5.8	**CUMPLE h = 6.3**
N132/N122	w / t ≤(w / t)máx. Cumple	η = 0.8	N.P.(1)	η = 0.8	x: 0.355 m η = 5.9	x: 0.355 m η = 0.7	η = 0.3	x: 0.355 m η = 2.9	x: 0.355 m η = 6.0	x: 0.355 m η = 1.0	x: 0.355 m η = 0.4	x: 0.354 m η < 0.1	x: 0.355 m η = 7.9	N.P.(2)	x: 0.355 m η = 7.6	**CUMPLE h = 7.9**
N133/N123	w / t ≤(w / t)máx. Cumple	η = 1.4	η = 0.5	η = 1.2	x: 0.045 m η = 5.9	x: 0.045 m η = 1.5	x: 0.2 m η = 0.7	x: 0.355 m η = 2.9	x: 0.045 m η = 5.9	x: 0.045 m η = 2.0	x: 0.045 m η = 0.4	x: 0.045 m η < 0.1	x: 0.045 m η = 8.1	x: 0.045 m η = 3.7	x: 0.045 m η = 7.8	**CUMPLE h = 8.1**
N134/N124	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 1.4	x: 0.2 m η = 1.2	x: 0.045 m η = 0.8	x: 0.045 m η = 7.9	x: 0.355 m η = 2.1	x: 0.354 m η = 0.9	x: 0.355 m η = 3.9	x: 0.045 m η = 8.0	x: 0.355 m η = 2.5	x: 0.045 m η = 0.8	x: 0.355 m η = 0.1	x: 0.355 m η = 11.2	x: 0.045 m η = 9.1	x: 0.045 m η = 10.4	**CUMPLE h = 11.2**
N59/N48	w / t ≤(w / t)máx. Cumple	η = 0.4	η = 0.5	η = 0.3	x: 0.045 m η = 7.0	x: 0.355 m η = 1.6	x: 0.2 m η = 0.8	x: 0.355 m η = 3.4	x: 0.045 m η = 7.0	x: 0.355 m η = 1.7	x: 0.045 m η = 0.6	x: 0.355 m η < 0.1	x: 0.045 m η = 9.4	x: 0.045 m η = 8.2	x: 0.045 m η = 9.3	**CUMPLE h = 9.4**
N58/N47	w / t ≤(w / t)máx. Cumple	η = 0.4	η = 0.5	x: 0.354 m η = 0.9	x: 0.045 m η = 4.7	x: 0.045 m η = 0.6	x: 0.354 m η = 0.3	x: 0.355 m η = 2.3	x: 0.045 m η = 4.7	x: 0.045 m η = 1.0	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 6.4	x: 0.045 m η = 5.3	x: 0.045 m η = 6.0	**CUMPLE h = 6.4**
N61/N14	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 13.2	x: 0.07 m η = 11.2	η = 1.5	x: 0.07 m η = 6.8	x: 0.711 m η = 5.2	η = 0.7	x: 0.07 m η = 1.0	x: 0.07 m η = 7.0	x: 0.711 m η = 5.9	x: 0.07 m η = 0.5	x: 0.711 m η = 0.4	x: 0.07 m η = 21.5	x: 0.07 m η = 18.3	x: 0.07 m η = 20.3	**CUMPLE h = 21.5**
N63/N14	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 10.2	x: 0.71 m η = 18.3	x: 0.23 m η = 1.4	x: 0.07 m η = 2.1	x: 0.711 m η = 4.1	x: 0.23 m η = 0.5	x: 0.551 m η = 0.4	x: 0.07 m η = 2.2	x: 0.711 m η = 4.7	x: 0.07 m η = 0.1	x: 0.711 m η = 0.2	x: 0.711 m η = 14.6	x: 0.711 m η = 22.6	x: 0.711 m η = 21.4	**CUMPLE h = 22.6**
N63/N16	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 14.5	x: 0.07 m η = 7.4	η = 0.7	x: 0.07 m η = 2.6	x: 0.07 m η = 10.2	η = 1.6	x: 0.07 m η = 0.2	x: 0.07 m η = 2.8	x: 0.07 m η = 10.3	x: 0.07 m η = 0.1	x: 0.07 m η = 1.1	x: 0.07 m η = 25.9	x: 0.07 m η = 15.3	x: 0.07 m η = 22.7	**CUMPLE h = 25.9**
N66/N17	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 12.3	N.P.(1)	x: 0.23 m η = 2.0	x: 0.711 m η = 4.9	x: 0.711 m η = 13.1	x: 0.23 m η = 2.5	x: 0.71 m η = 0.7	x: 0.711 m η = 4.9	x: 0.711 m η = 13.9	x: 0.711 m η = 0.2	x: 0.711 m η = 2.0	x: 0.711 m η = 34.6	N.P.(2)	x: 0.711 m η = 29.0	**CUMPLE h = 34.6**
N66/N19	w / t ≤(w / t)máx. Cumple	N.P.(3)	x: 0.07 m η = 11.7	η = 0.8	x: 0.07 m η = 2.1	x: 0.07 m η = 6.5	x: 0.391 m η = 1.2	x: 0.07 m η = 0.4	x: 0.07 m η = 2.1	x: 0.07 m η = 6.8	x: 0.07 m η < 0.1	x: 0.07 m η = 0.5	N.P.(4)	x: 0.07 m η = 17.8	x: 0.07 m η = 18.1	**CUMPLE h = 18.1**
N166/N137	w / t ≤(w / t)máx. Cumple	x: 0.34 m η = 2.0	x: 0.34 m η = 2.8	η = 1.0	x: 0.076 m η = 1.7	x: 0.076 m η = 2.4	η = 0.5	x: 0.603 m η = 0.4	x: 0.076 m η = 2.1	x: 0.076 m η = 2.6	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.604 m η = 7.0	x: 0.076 m η = 6.8	x: 0.076 m η = 5.7	**CUMPLE h = 7.0**
N166/N139	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 2.3	x: 0.076 m η = 4.1	x: 0.603 m η = 1.4	x: 0.076 m η = 2.4	x: 0.604 m η = 2.3	η = 0.4	x: 0.603 m η = 0.6	x: 0.076 m η = 2.8	x: 0.604 m η = 2.8	x: 0.076 m η = 0.1	x: 0.604 m η = 0.1	x: 0.076 m η = 6.0	x: 0.604 m η = 8.4	x: 0.604 m η = 7.3	**CUMPLE h = 8.4**
N62/N14	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.3	x: 0.045 m η = 0.7	η = 1.4	x: 0.452 m η = 1.0	x: 0.045 m η = 10.9	x: 0.249 m η = 4.1	η = 0.4	x: 0.452 m η = 1.6	x: 0.045 m η = 11.4	x: 0.452 m η < 0.1	x: 0.045 m η = 1.5	x: 0.045 m η = 16.6	x: 0.045 m η = 10.2	x: 0.045 m η = 14.7	**CUMPLE h = 16.6**
N63/N15	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 1.0	η = 2.5	x: 0.455 m η = 6.2	x: 0.048 m η = 12.5	η = 4.5	η = 2.3	x: 0.455 m η = 7.3	x: 0.048 m η = 13.0	x: 0.455 m η = 0.6	x: 0.048 m η = 1.9	x: 0.048 m η = 21.3	x: 0.048 m η = 17.0	x: 0.048 m η = 15.9	**CUMPLE h = 21.3**
N65/N16	w / t ≤(w / t)máx. Cumple	x: 0.567 m η = 7.5	x: 0.072 m η = 22.2	x: 0.567 m η = 1.7	x: 0.072 m η = 4.7	x: 0.072 m η = 15.5	x: 0.567 m η = 4.3	x: 0.567 m η = 1.0	x: 0.072 m η = 4.8	x: 0.072 m η = 16.3	x: 0.072 m η = 0.2	x: 0.072 m η = 2.8	x: 0.072 m η = 16.0	x: 0.072 m η = 31.1	x: 0.072 m η = 30.9	**CUMPLE h = 31.1**
N17/N135	w / t ≤(w / t)máx. Cumple	x: 0.072 m η = 8.9	x: 0.072 m η = 1.4	x: 0.261 m η = 1.6	x: 0.071 m η = 4.4	x: 0.071 m η = 3.2	x: 0.45 m η = 0.8	x: 0.071 m η = 1.5	x: 0.071 m η = 5.0	x: 0.071 m η = 3.8	x: 0.071 m η = 0.3	x: 0.071 m η = 0.2	x: 0.071 m η = 19.1	x: 0.071 m η = 6.4	x: 0.071 m η = 15.1	**CUMPLE h = 19.1**
N17/N136	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 1.4	x: 0.058 m η = 0.4	η = 0.7	x: 0.058 m η = 9.5	x: 0.058 m η = 5.2	η = 1.0	x: 0.058 m η = 4.2	x: 0.058 m η = 9.8	x: 0.058 m η = 5.5	x: 0.058 m η = 1.1	x: 0.058 m η = 0.3	x: 0.058 m η = 19.9	x: 0.058 m η = 8.0	x: 0.058 m η = 14.6	**CUMPLE h = 19.9**
N165/N137	w / t ≤(w / t)máx. Cumple	x: 0.197 m η = 2.8	x: 0.197 m η = 0.5	x: 0.197 m η = 1.3	x: 0.045 m η = 4.7	x: 0.348 m η = 6.7	η = 2.0	x: 0.347 m η = 2.0	x: 0.045 m η = 4.7	x: 0.348 m η = 6.8	x: 0.045 m η = 0.3	x: 0.348 m η = 0.5	x: 0.348 m η = 12.7	x: 0.348 m η = 7.0	x: 0.348 m η = 9.9	**CUMPLE h = 12.7**
N17/N137	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 0.2	x: 0.076 m η = 5.2	η = 1.8	x: 0.076 m η = 5.4	x: 0.604 m η = 3.2	η = 0.6	x: 0.603 m η = 1.2	x: 0.076 m η = 6.0	x: 0.604 m η = 4.0	x: 0.076 m η = 0.4	x: 0.604 m η = 0.2	x: 0.076 m η = 5.7	x: 0.076 m η = 14.0	x: 0.076 m η = 12.4	**CUMPLE h = 14.0**
N168/N139	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 3.8	η = 0.8	x: 0.076 m η = 2.2	x: 0.076 m η = 2.3	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.5	x: 0.076 m η = 2.5	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.4	x: 0.076 m η = 8.4	x: 0.076 m η = 7.3	**CUMPLE h = 8.4**
N168/N141	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 1.9	x: 0.603 m η = 1.5	x: 0.076 m η = 2.4	x: 0.604 m η = 2.1	η = 0.4	x: 0.603 m η = 0.7	x: 0.076 m η = 2.9	x: 0.604 m η = 2.5	x: 0.076 m η = 0.1	x: 0.604 m η = 0.1	x: 0.076 m η = 7.0	x: 0.604 m η = 5.7	x: 0.604 m η = 4.8	**CUMPLE h = 7.0**
N170/N141	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.5	x: 0.076 m η = 4.7	η = 0.7	x: 0.076 m η = 2.2	x: 0.076 m η = 2.1	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.5	x: 0.076 m η = 2.3	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.2	x: 0.076 m η = 9.4	x: 0.076 m η = 8.3	**CUMPLE h = 9.4**
N170/N143	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 0.7	η = 1.4	x: 0.604 m η = 2.4	x: 0.604 m η = 2.0	η = 0.4	x: 0.603 m η = 0.7	x: 0.604 m η = 2.9	x: 0.604 m η = 2.2	x: 0.604 m η = 0.1	x: 0.604 m η = 0.1	x: 0.076 m η = 7.5	x: 0.076 m η = 3.5	x: 0.076 m η = 4.9	**CUMPLE h = 7.5**
N172/N143	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 6.4	η = 0.6	x: 0.076 m η = 2.8	x: 0.076 m η = 1.7	η = 0.2	x: 0.603 m η = 0.8	x: 0.076 m η = 3.0	x: 0.076 m η = 2.0	x: 0.076 m η = 0.1	x: 0.076 m η < 0.1	x: 0.076 m η = 5.2	x: 0.076 m η = 11.4	x: 0.076 m η = 10.5	**CUMPLE h = 11.4**
N172/N145	w / t ≤(w / t)máx. Cumple	x: 0.629 m η = 2.2	x: 0.079 m η = 0.6	η = 1.1	x: 0.63 m η = 3.4	x: 0.63 m η = 2.2	η = 0.4	x: 0.629 m η = 0.7	x: 0.63 m η = 3.8	x: 0.63 m η = 2.4	x: 0.63 m η = 0.2	x: 0.63 m η = 0.1	x: 0.63 m η = 8.5	x: 0.63 m η = 2.8	x: 0.63 m η = 6.6	**CUMPLE h = 8.5**
N163/N145	w / t ≤(w / t)máx. Cumple	x: 0.629 m η = 2.2	x: 0.079 m η = 0.6	η = 1.1	x: 0.63 m η = 3.4	x: 0.63 m η = 2.2	η = 0.4	x: 0.629 m η = 0.7	x: 0.63 m η = 3.8	x: 0.63 m η = 2.3	x: 0.63 m η = 0.2	x: 0.63 m η = 0.1	x: 0.63 m η = 8.5	x: 0.63 m η = 2.8	x: 0.63 m η = 6.6	**CUMPLE h = 8.5**
N163/N154	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 6.5	η = 0.7	x: 0.076 m η = 2.8	x: 0.076 m η = 1.7	η = 0.2	x: 0.603 m η = 0.8	x: 0.076 m η = 3.0	x: 0.076 m η = 1.9	x: 0.076 m η = 0.1	x: 0.076 m η < 0.1	N.P.(4)	x: 0.076 m η = 11.4	x: 0.076 m η = 10.5	**CUMPLE h = 11.4**
N161/N154	w / t ≤(w / t)máx. Cumple	x: 0.34 m η = 1.8	x: 0.34 m η = 0.7	η = 1.4	x: 0.604 m η = 2.4	x: 0.604 m η = 1.9	η = 0.4	x: 0.603 m η = 0.7	x: 0.604 m η = 2.9	x: 0.604 m η = 2.1	x: 0.604 m η = 0.1	x: 0.604 m η < 0.1	x: 0.076 m η = 7.4	x: 0.604 m η = 3.3	x: 0.076 m η = 4.9	**CUMPLE h = 7.4**
N161/N152	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.5	x: 0.076 m η = 4.7	η = 0.7	x: 0.076 m η = 2.2	x: 0.076 m η = 2.0	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.6	x: 0.076 m η = 2.2	x: 0.076 m η = 0.1	x: 0.076 m η < 0.1	x: 0.076 m η = 5.1	x: 0.076 m η = 9.5	x: 0.076 m η = 8.4	**CUMPLE h = 9.5**
N159/N152	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.5	x: 0.076 m η = 1.8	x: 0.603 m η = 1.5	x: 0.076 m η = 2.5	x: 0.604 m η = 2.0	η = 0.4	x: 0.603 m η = 0.7	x: 0.076 m η = 2.9	x: 0.604 m η = 2.3	x: 0.076 m η = 0.1	x: 0.604 m η = 0.1	x: 0.076 m η = 7.0	x: 0.604 m η = 5.4	x: 0.604 m η = 4.6	**CUMPLE h = 7.0**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N159/N150	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 3.8	η = 0.8	x: 0.076 m η = 2.3	x: 0.076 m η = 2.2	η = 0.3	x: 0.603 m η = 0.6	x: 0.076 m η = 2.6	x: 0.076 m η = 2.4	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.3	x: 0.076 m η = 8.4	x: 0.076 m η = 7.3	**CUMPLE h = 8.4**
N157/N150	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 2.2	x: 0.076 m η = 3.9	x: 0.603 m η = 1.4	x: 0.076 m η = 2.5	x: 0.604 m η = 2.3	η = 0.4	x: 0.603 m η = 0.7	x: 0.076 m η = 2.9	x: 0.604 m η = 2.7	x: 0.076 m η = 0.1	x: 0.603 m η = 0.1	x: 0.076 m η = 5.9	x: 0.604 m η = 8.0	x: 0.604 m η = 7.1	**CUMPLE h = 8.0**
N157/N148	w / t ≤(w / t)máx. Cumple	x: 0.604 m η = 2.0	x: 0.604 m η = 2.8	η = 0.9	x: 0.076 m η = 1.8	x: 0.076 m η = 2.2	η = 0.2	x: 0.603 m η = 0.4	x: 0.076 m η = 2.2	x: 0.076 m η = 2.4	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.4	x: 0.076 m η = 7.0	x: 0.076 m η = 5.9	**CUMPLE h = 7.0**
N33/N148	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 0.5	x: 0.076 m η = 6.0	η = 1.8	x: 0.076 m η = 5.6	x: 0.604 m η = 2.6	η = 0.3	x: 0.603 m η = 1.3	x: 0.076 m η = 6.2	x: 0.604 m η = 3.4	x: 0.076 m η = 0.4	x: 0.603 m η = 0.1	x: 0.076 m η = 5.7	x: 0.076 m η = 14.5	x: 0.076 m η = 12.9	**CUMPLE h = 14.5**
N33/N146	w / t ≤(w / t)máx. Cumple	x: 0.072 m η = 9.0	x: 0.072 m η = 1.4	x: 0.261 m η = 1.6	x: 0.071 m η = 4.5	x: 0.071 m η = 3.1	x: 0.45 m η = 0.8	x: 0.071 m η = 1.5	x: 0.071 m η = 5.1	x: 0.071 m η = 3.8	x: 0.071 m η = 0.3	x: 0.071 m η = 0.1	x: 0.071 m η = 19.4	x: 0.071 m η = 6.4	x: 0.071 m η = 15.3	**CUMPLE h = 19.4**
N68/N19	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 8.7	N.P.[1]	x: 0.551 m η = 0.5	x: 0.07 m η = 1.7	x: 0.07 m η = 5.9	x: 0.551 m η = 1.2	x: 0.07 m η = 0.3	x: 0.07 m η = 1.9	x: 0.07 m η = 6.1	x: 0.07 m η < 0.1	x: 0.07 m η = 0.4	x: 0.07 m η = 18.5	N.P.[2]	x: 0.07 m η = 16.3	**CUMPLE h = 18.5**
N68/N21	w / t ≤(w / t)máx. Cumple	N.P.[3]	x: 0.71 m η = 7.9	η = 0.9	x: 0.711 m η = 2.7	x: 0.711 m η = 5.9	η = 1.2	x: 0.07 m η = 0.6	x: 0.711 m η = 3.0	x: 0.711 m η = 6.3	x: 0.711 m η = 0.1	x: 0.711 m η = 0.4	N.P.[4]	x: 0.711 m η = 15.1	x: 0.711 m η = 15.0	**CUMPLE h = 15.1**
N70/N21	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 7.1	N.P.[1]	x: 0.551 m η = 1.1	x: 0.711 m η = 3.5	x: 0.07 m η = 4.5	x: 0.551 m η = 0.9	x: 0.07 m η = 0.8	x: 0.711 m η = 4.0	x: 0.07 m η = 5.0	x: 0.711 m η = 0.2	x: 0.07 m η = 0.3	x: 0.07 m η = 17.2	N.P.[2]	x: 0.07 m η = 13.6	**CUMPLE h = 17.2**
N70/N23	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 0.1	x: 0.07 m η = 6.3	η = 1.4	x: 0.711 m η = 4.5	x: 0.711 m η = 4.6	x: 0.23 m η = 0.8	x: 0.07 m η = 0.9	x: 0.711 m η = 5.1	x: 0.711 m η = 5.2	x: 0.711 m η = 0.3	x: 0.711 m η = 0.3	x: 0.711 m η = 12.5	x: 0.711 m η = 13.9	x: 0.711 m η = 12.5	**CUMPLE h = 13.9**
N72/N23	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 5.0	x: 0.391 m η = 0.9	η = 1.6	x: 0.711 m η = 5.0	x: 0.07 m η = 3.2	x: 0.391 m η = 0.5	x: 0.07 m η = 1.0	x: 0.711 m η = 5.7	x: 0.07 m η = 3.9	x: 0.711 m η = 0.3	x: 0.07 m η = 0.2	x: 0.07 m η = 14.7	x: 0.07 m η = 9.3	x: 0.711 m η = 11.3	**CUMPLE h = 14.7**
N72/N25	w / t ≤(w / t)máx. Cumple	x: 0.07 m η = 2.5	x: 0.07 m η = 3.8	η = 1.7	x: 0.711 m η = 5.4	x: 0.711 m η = 2.1	x: 0.391 m η = 0.2	x: 0.07 m η = 1.1	x: 0.711 m η = 6.1	x: 0.711 m η = 2.8	x: 0.711 m η = 0.4	x: 0.711 m η = 0.1	x: 0.711 m η = 13.5	x: 0.07 m η = 9.8	x: 0.711 m η = 9.6	**CUMPLE h = 13.5**
N74/N25	w / t ≤(w / t)máx. Cumple	x: 0.07 m η = 2.5	x: 0.07 m η = 3.5	η = 1.8	x: 0.711 m η = 5.4	x: 0.711 m η = 1.8	η = 0.2	x: 0.07 m η = 1.1	x: 0.711 m η = 6.2	x: 0.711 m η = 2.5	x: 0.711 m η = 0.4	x: 0.71 m η = 0.1	x: 0.711 m η = 13.2	x: 0.07 m η = 10.1	x: 0.711 m η = 9.6	**CUMPLE h = 13.2**
N74/N27	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 5.1	x: 0.391 m η = 1.2	x: 0.551 m η = 1.6	x: 0.711 m η = 5.1	x: 0.07 m η = 2.9	x: 0.391 m η = 0.4	x: 0.07 m η = 1.0	x: 0.711 m η = 5.8	x: 0.07 m η = 3.6	x: 0.711 m η = 0.3	x: 0.07 m η = 0.1	x: 0.07 m η = 14.5	x: 0.07 m η = 9.3	x: 0.711 m η = 11.4	**CUMPLE h = 14.5**
N76/N27	w / t ≤(w / t)máx. Cumple	N.P.[3]	x: 0.07 m η = 6.0	η = 1.5	x: 0.711 m η = 4.7	x: 0.711 m η = 3.9	x: 0.23 m η = 0.7	x: 0.07 m η = 0.9	x: 0.711 m η = 5.4	x: 0.711 m η = 4.5	x: 0.711 m η = 0.3	x: 0.711 m η = 0.2	N.P.[4]	x: 0.711 m η = 13.1	x: 0.711 m η = 11.4	**CUMPLE h = 13.1**
N76/N29	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 7.1	N.P.[1]	x: 0.551 m η = 1.3	x: 0.711 m η = 3.7	x: 0.07 m η = 4.9	x: 0.551 m η = 0.9	x: 0.07 m η = 0.8	x: 0.711 m η = 4.2	x: 0.07 m η = 5.4	x: 0.711 m η = 0.2	x: 0.07 m η = 0.3	x: 0.07 m η = 17.9	N.P.[2]	x: 0.07 m η = 14.0	**CUMPLE h = 17.9**
N78/N29	w / t ≤(w / t)máx. Cumple	N.P.[3]	x: 0.71 m η = 8.2	η = 0.9	x: 0.711 m η = 2.8	x: 0.711 m η = 5.9	x: 0.391 m η = 1.2	x: 0.07 m η = 0.6	x: 0.711 m η = 3.2	x: 0.711 m η = 6.3	x: 0.711 m η = 0.1	x: 0.711 m η = 0.4	N.P.[4]	x: 0.711 m η = 15.6	x: 0.711 m η = 15.3	**CUMPLE h = 15.6**
N78/N31	w / t ≤(w / t)máx. Cumple	x: 0.708 m η = 8.9	N.P.[1]	x: 0.549 m η = 0.7	x: 0.07 m η = 1.8	x: 0.07 m η = 6.5	x: 0.549 m η = 1.4	x: 0.07 m η = 0.4	x: 0.07 m η = 2.1	x: 0.07 m η = 6.8	x: 0.07 m η < 0.1	x: 0.07 m η = 0.5	x: 0.07 m η = 19.5	N.P.[2]	x: 0.07 m η = 16.8	**CUMPLE h = 19.5**
N80/N31	w / t ≤(w / t)máx. Cumple	N.P.[3]	x: 0.391 m η = 12.4	η = 0.8	x: 0.07 m η = 2.1	x: 0.07 m η = 7.4	η = 1.5	x: 0.07 m η = 0.4	x: 0.07 m η = 2.2	x: 0.07 m η = 7.8	x: 0.07 m η < 0.1	x: 0.07 m η = 0.6	N.P.[4]	x: 0.07 m η = 19.8	x: 0.07 m η = 20.4	**CUMPLE h = 20.4**
N80/N33	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 12.6	N.P.[1]	x: 0.23 m η = 2.1	x: 0.711 m η = 5.0	x: 0.711 m η = 13.0	x: 0.23 m η = 2.5	x: 0.71 m η = 0.7	x: 0.711 m η = 5.0	x: 0.711 m η = 13.9	x: 0.711 m η = 0.3	x: 0.711 m η = 2.0	x: 0.711 m η = 35.0	N.P.[2]	x: 0.711 m η = 29.0	**CUMPLE h = 35.0**
N83/N34	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 14.7	x: 0.07 m η = 7.5	η = 0.7	x: 0.07 m η = 2.6	x: 0.07 m η = 9.8	η = 1.5	x: 0.07 m η = 0.2	x: 0.07 m η = 2.9	x: 0.07 m η = 9.8	x: 0.07 m η = 0.1	x: 0.07 m η = 1.0	x: 0.07 m η = 25.6	x: 0.07 m η = 14.9	x: 0.07 m η = 22.4	**CUMPLE h = 25.6**
N83/N36	w / t ≤(w / t)máx. Cumple	x: 0.551 m η = 10.0	x: 0.551 m η = 18.3	x: 0.23 m η = 1.4	x: 0.07 m η = 2.1	x: 0.711 m η = 3.6	η = 0.4	x: 0.71 m η = 0.4	x: 0.07 m η = 2.3	x: 0.711 m η = 4.2	x: 0.07 m η = 0.1	x: 0.711 m η = 0.2	x: 0.07 m η = 12.4	x: 0.07 m η = 21.7	x: 0.551 m η = 20.2	**CUMPLE h = 21.7**
N60/N36	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 13.4	x: 0.07 m η = 11.2	η = 1.5	x: 0.07 m η = 6.8	x: 0.711 m η = 5.9	η = 0.9	x: 0.07 m η = 1.0	x: 0.07 m η = 7.0	x: 0.711 m η = 6.6	x: 0.07 m η = 0.5	x: 0.711 m η = 0.4	x: 0.07 m η = 22.0	x: 0.07 m η = 18.5	x: 0.07 m η = 20.5	**CUMPLE h = 22.0**
N66/N18	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 2.5	x: 0.048 m η = 0.3	x: 0.048 m η = 1.2	x: 0.048 m η = 15.6	x: 0.455 m η = 12.7	x: 0.454 m η = 4.5	x: 0.048 m η = 5.8	x: 0.048 m η = 16.1	x: 0.455 m η = 12.8	x: 0.048 m η = 2.9	x: 0.455 m η = 1.8	x: 0.455 m η = 35.0	x: 0.455 m η = 27.8	x: 0.455 m η = 24.0	**CUMPLE h = 35.0**
N67/N19	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.6	x: 0.045 m η = 0.3	η = 1.3	x: 0.045 m η = 1.6	x: 0.045 m η = 5.4	η = 2.0	η = 0.6	x: 0.045 m η = 2.2	x: 0.045 m η = 5.6	x: 0.045 m η = 0.1	x: 0.045 m η = 0.3	x: 0.045 m η = 10.2	x: 0.045 m η = 7.1	x: 0.045 m η = 7.2	**CUMPLE h = 10.2**
N68/N20	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 1.2	x: 0.252 m η = 0.5	x: 0.048 m η = 1.7	x: 0.455 m η = 5.3	x: 0.454 m η = 2.0	x: 0.252 m η = 0.6	x: 0.048 m η = 1.9	x: 0.455 m η = 5.4	x: 0.048 m η < 0.1	x: 0.455 m η = 0.3	x: 0.455 m η = 6.3	x: 0.048 m η = 8.2	x: 0.455 m η = 8.0	**CUMPLE h = 8.2**
N69/N21	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.0	x: 0.045 m η = 0.8	η = 0.5	x: 0.452 m η = 1.5	x: 0.045 m η = 3.9	x: 0.045 m η = 1.4	x: 0.249 m η = 0.5	x: 0.452 m η = 1.7	x: 0.045 m η = 4.1	x: 0.452 m η < 0.1	x: 0.045 m η = 0.2	x: 0.452 m η = 7.8	x: 0.452 m η = 5.3	x: 0.452 m η = 6.0	**CUMPLE h = 7.8**
N70/N22	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.8	x: 0.048 m η = 2.0	x: 0.252 m η = 0.4	x: 0.048 m η = 2.9	x: 0.455 m η = 3.2	η = 1.2	η = 1.0	x: 0.048 m η = 3.0	x: 0.455 m η = 3.3	x: 0.048 m η = 0.1	x: 0.455 m η = 0.1	x: 0.048 m η = 7.0	x: 0.048 m η = 8.0	x: 0.048 m η = 7.0	**CUMPLE h = 8.0**
N71/N23	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.6	x: 0.045 m η = 1.3	η = 0.2	x: 0.452 m η = 2.6	x: 0.045 m η = 2.3	η = 0.8	η = 0.9	x: 0.452 m η = 2.6	x: 0.045 m η = 2.3	x: 0.452 m η = 0.1	x: 0.045 m η = 0.1	x: 0.452 m η = 7.6	x: 0.452 m η = 5.1	x: 0.452 m η = 5.8	**CUMPLE h = 7.6**
N72/N24	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 1.1	x: 0.048 m η = 2.3	x: 0.252 m η = 0.1	x: 0.048 m η = 1.9	x: 0.455 m η = 1.6	x: 0.048 m η = 0.6	η = 0.6	x: 0.048 m η = 1.9	x: 0.455 m η = 1.6	x: 0.048 m η < 0.1	x: 0.455 m η < 0.1	x: 0.048 m η = 4.1	x: 0.048 m η = 5.4	x: 0.048 m η = 5.0	**CUMPLE h = 5.4**
N73/N25	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.8	x: 0.045 m η = 1.5	η = 0.2	x: 0.452 m η = 1.9	x: 0.045 m η = 0.6	x: 0.249 m η = 0.2	η = 0.6	x: 0.452 m η = 1.9	x: 0.045 m η = 0.6	x: 0.452 m η < 0.1	x: 0.045 m η < 0.1	x: 0.452 m η = 4.2	x: 0.452 m η = 3.3	x: 0.452 m η = 4.1	**CUMPLE h = 4.2**
N74/N26	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 1.1	x: 0.048 m η = 2.3	x: 0.252 m η = 0.1	x: 0.048 m η = 2.0	x: 0.455 m η = 1.5	x: 0.048 m η = 0.6	η = 0.7	x: 0.048 m η = 2.0	x: 0.455 m η = 1.5	x: 0.048 m η < 0.1	x: 0.455 m η < 0.1	x: 0.048 m η = 4.2	x: 0.048 m η = 5.4	x: 0.048 m η = 5.1	**CUMPLE h = 5.4**
N75/N27	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.6	x: 0.045 m η = 1.3	η = 0.2	x: 0.452 m η = 1.7	x: 0.045 m η = 2.2	η = 0.8	η = 0.6	x: 0.452 m η = 1.8	x: 0.045 m η = 2.2	x: 0.452 m η < 0.1	x: 0.045 m η = 0.1	x: 0.452 m η = 6.5	x: 0.452 m η = 4.4	x: 0.452 m η = 4.9	**CUMPLE h = 6.5**
N76/N28	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.8	x: 0.048 m η = 2.0	η = 0.3	x: 0.048 m η = 1.5	x: 0.455 m η = 3.2	x: 0.048 m η = 1.2	η = 0.5	x: 0.048 m η = 1.6	x: 0.455 m η = 3.3	x: 0.048 m η < 0.1	x: 0.455 m η = 0.1	x: 0.048 m η = 5.0	x: 0.048 m η = 6.8	x: 0.048 m η = 6.2	**CUMPLE h = 6.8**
N77/N29	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.1	x: 0.045 m η = 0.7	η = 0.4	x: 0.452 m η = 0.8	x: 0.045 m η = 4.0	x: 0.045 m η = 1.5	x: 0.249 m η = 0.3	x: 0.452 m η = 1.0	x: 0.045 m η = 4.2	x: 0.451 m η < 0.1	x: 0.045 m η = 0.2	x: 0.452 m η = 7.4	x: 0.452 m η = 4.5	x: 0.045 m η = 6.1	**CUMPLE h = 7.4**
N78/N30	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.1	x: 0.048 m η = 1.2	x: 0.252 m η = 0.4	x: 0.048 m η = 0.5	x: 0.455 m η = 5.3	x: 0.454 m η = 2.0	η = 0.2	x: 0.048 m η = 0.6	x: 0.455 m η = 5.5	x: 0.048 m η < 0.1	x: 0.455 m η = 0.3	x: 0.455 m η = 4.9	x: 0.048 m η = 7.2	x: 0.455 m η = 7.8	**CUMPLE h = 7.8**
N79/N31	w / t ≤(w / t)máx. Cumple	x: 0.249 m η = 0.7	x: 0.249 m η = 0.3	x: 0.249 m η = 1.1	x: 0.452 m η = 2.0	x: 0.045 m η = 5.5	x: 0.249 m η = 2.0	x: 0.249 m η = 0.8	x: 0.452 m η = 2.5	x: 0.045 m η = 6.0	x: 0.452 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 11.2	x: 0.045 m η = 7.1	x: 0.045 m η = 8.0	**CUMPLE h = 11.2**
N80/N32	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 2.4	x: 0.048 m η = 0.2	x: 0.048 m η = 1.1	x: 0.048 m η = 15.1	x: 0.455 m η = 13.0	x: 0.454 m η = 4.7	x: 0.048 m η = 5.6	x: 0.048 m η = 15.6	x: 0.455 m η = 13.1	x: 0.048 m η = 2.8	x: 0.455 m η = 1.9	x: 0.455 m η = 34.8	x: 0.455 m η = 26.8	x: 0.455 m η = 23.8	**CUMPLE h = 34.8**
N83/N35	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 0.9	η = 2.5	x: 0.455 m η = 5.7	x: 0.048 m η = 12.7	η = 4.5	η = 2.1	x: 0.455 m η = 6.8	x: 0.048 m η = 13.1	x: 0.455 m η = 0.5	x: 0.048 m η = 1.9	x: 0.048 m η = 19.6	x: 0.048 m η = 16.5	x: 0.048 m η = 16.0	**CUMPLE h = 19.6**
N84/N36	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.2	x: 0.045 m η = 0.6	x: 0.451 m η = 1.5	x: 0.452 m η = 0.8	x: 0.045 m η = 10.9	η = 4.1	η = 0.3	x: 0.452 m η = 1.3	x: 0.045 m η = 11.4	x: 0.451 m η < 0.1	x: 0.045 m η = 1.5	x: 0.045 m η = 16.8	x: 0.045 m η = 10.2	x: 0.045 m η = 14.7	**CUMPLE h = 16.8**
N166/N138	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.5	x: 0.045 m η = 0.2	η = 0.9	x: 0.045 m η = 2.1	x: 0.355 m η = 1.1	η = 0.2	x: 0.045 m η = 1.0	x: 0.045 m η = 2.2	x: 0.355 m η = 1.2	x: 0.045 m η = 0.1	x: 0.354 m η < 0.1	x: 0.355 m η = 4.5	x: 0.355 m η = 2.6	x: 0.355 m η = 3.2	**CUMPLE h = 4.5**
N167/N139	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.7	x: 0.045 m η = 0.3	η = 1.0	x: 0.045 m η = 1.5	x: 0.348 m η = 4.0	η = 1.1	x: 0.347 m η = 0.8	x: 0.045 m η = 1.6	x: 0.348 m η = 4.1	x: 0.045 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 7.5	x: 0.348 m η = 4.0	x: 0.348 m η = 5.7	**CUMPLE h = 7.5**
N168/N140	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.6	x: 0.2 m η = 0.3	η = 0.8	x: 0.045 m η = 1.5	x: 0.045 m η = 0.7	x: 0.2 m η = 0.3	x: 0.354 m η = 0.7	x: 0.045 m η = 1.9	x: 0.045 m η = 1.1	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.[4]	x: 0.045 m η = 2.5	x: 0.045 m η = 2.5	**CUMPLE h = 2.5**
N169/N141	w / t ≤(w / t)máx. Cumple	x: 0.196 m η = 0.8	x: 0.196 m η = 0.3	η = 1.0	x: 0.348 m η = 1.6	x: 0.348 m η = 3.9	η = 1.1	x: 0.347 m η = 0.8	x: 0.348 m η = 2.0	x: 0.348 m η = 4.0	x: 0.348 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 5.7	x: 0.348 m η = 3.3	x: 0.348 m η = 5.4	**CUMPLE h = 5.7**
N170/N142	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.4	η = 0.7	x: 0.045 m η = 2.0	x: 0.045 m η = 0.7	x: 0.2 m η = 0.2	x: 0.354 m η = 1.0	x: 0.045 m η = 2.3	x: 0.045 m η = 1.0	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.355 m η = 4.6	x: 0.045 m η = 2.1	x: 0.045 m η = 3.2	**CUMPLE h = 4.6**
N171/N143	w / t ≤(w / t)máx. Cumple	x: 0.196 m η = 1.0	x: 0.196 m η = 0.5	η = 0.8	x: 0.348 m η = 2.2	x: 0.348 m η = 3.9	η = 1.0	x: 0.347 m η = 1.1	x: 0.348 m η = 2.5	x: 0.348 m η = 3.9	x: 0.348 m η = 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 7.4	x: 0.348 m η = 3.3	x: 0.348 m η = 5.8	**CUMPLE h = 7.4**
N172/N144	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.6	x: 0.045 m η = 0.2	x: 0.045 m η = 0.5	x: 0.045 m η = 4.5	x: 0.045 m η = 0.5	x: 0.045 m η = 0.1	x: 0.354 m η = 2.0	x: 0.045 m η = 4.7	x: 0.355 m η = 0.6	x: 0.045 m η = 0.3	x: 0.354 m η < 0.1	x: 0.045 m η = 7.3	x: 0.045 m η = 2.0	x: 0.045 m η = 6.2	**CUMPLE h = 7.3**
N164/N145	w / t ≤(w / t)máx. Cumple	x: 0.355 m η = 0.5	x: 0.046 m η = 3.7	η = 0.3	x: 0.356 m η = 4.3	x: 0.046 m η = 0.7	x: 0.201 m η = 0.4	η = 1.8	x: 0.356 m η = 4.3	x: 0.046 m η = 0.8	x: 0.356 m η = 0.2	x: 0.046 m η < 0.1	x: 0.356 m η = 5.4	x: 0.046 m η = 6.6	x: 0.046 m η = 7.4	**CUMPLE h = 7.4**
N163/N155	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.6	x: 0.045 m η = 0.3	x: 0.045 m η = 0.5	x: 0.045 m η = 4.5	x: 0.045 m η = 0.5	x: 0.045 m η = 0.1	x: 0.354 m η = 2.0	x: 0.045 m η = 4.7	x: 0.355 m η = 0.6	x: 0.045 m η = 0.3	x: 0.354 m η < 0.1	x: 0.045 m η = 7.3	x: 0.045 m η = 1.9	x: 0.045 m η = 6.2	**CUMPLE h = 7.3**
N162/N154	w / t ≤(w / t)máx. Cumple	x: 0.197 m η = 1.0	x: 0.197 m η = 0.5	η = 0.7	x: 0.348 m η = 2.2	x: 0.348 m η = 3.9	η = 1.0	x: 0.347 m η = 1.1	x: 0.348 m η = 2.6	x: 0.348 m η = 3.9	x: 0.348 m η = 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 7.5	x: 0.348 m η = 3.2	x: 0.348 m η = 5.8	**CUMPLE h = 7.5**
N161/N153	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.4	η = 0.7	x: 0.045 m η = 2.0	x: 0.045 m η = 0.7	x: 0.2 m η = 0.2	x: 0.354 m η = 1.0	x: 0.045 m η = 2.3	x: 0.045 m η = 1.0	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.355 m η = 4.6	x: 0.045 m η = 2.1	x: 0.045 m η = 3.3	**CUMPLE h = 4.6**
N160/N152	w / t ≤(w / t)máx. Cumple	x: 0.196 m η = 0.8	x: 0.196 m η = 0.4	η = 0.9	x: 0.348 m η = 1.6	x: 0.348 m η = 3.9	η = 1.1	x: 0.347 m η = 0.8	x: 0.348 m η = 2.0	x: 0.348 m η = 4.0	x: 0.348 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 5.8	x: 0.348 m η = 3.3	x: 0.348 m η = 5.4	**CUMPLE h = 5.8**
N159/N151	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.7	x: 0.2 m η = 0.4	η = 0.8	x: 0.045 m η = 1.5	x: 0.045 m η = 0.7	x: 0.2 m η = 0.3	x: 0.354 m η = 0.7	x: 0.045 m η = 1.8	x: 0.045 m η = 1.1	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.[4]	x: 0.045 m η = 2.4	x: 0.045 m η = 2.6	**CUMPLE h = 2.6**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N157/N149	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.5	x: 0.045 m η = 0.3	x: 0.354 m η = 0.9	x: 0.045 m η = 2.0	x: 0.045 m η = 0.5	η = 0.1	x: 0.045 m η = 0.9	x: 0.045 m η = 2.1	x: 0.045 m η = 0.7	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 3.7	x: 0.045 m η = 2.6	x: 0.045 m η = 2.8	**CUMPLE h = 3.7**
N156/N148	w / t ≤(w / t)máx. Cumple	x: 0.197 m η = 2.9	x: 0.197 m η = 0.7	x: 0.197 m η = 1.3	x: 0.045 m η = 5.0	x: 0.348 m η = 4.0	x: 0.045 m η = 1.6	x: 0.347 m η = 2.1	x: 0.045 m η = 5.1	x: 0.348 m η = 4.6	x: 0.045 m η = 0.3	x: 0.348 m η = 0.2	x: 0.045 m η = 10.0	x: 0.348 m η = 6.2	x: 0.045 m η = 8.2	**CUMPLE h = 10.0**
N33/N147	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 1.4	x: 0.058 m η = 0.5	η = 0.8	x: 0.058 m η = 9.8	x: 0.058 m η = 5.3	η = 1.0	x: 0.058 m η = 4.3	x: 0.058 m η = 10.1	x: 0.058 m η = 5.7	x: 0.058 m η = 1.2	x: 0.058 m η = 0.3	x: 0.058 m η = 20.1	x: 0.058 m η = 8.3	x: 0.058 m η = 14.9	**CUMPLE h = 20.1**
N173/N174	w / t ≤(w / t)máx. Cumple	x: 0.267 m η = 36.9	x: 0.267 m η = 41.1	η = 1.1	x: 0 m η = 13.5	x: 0 m η = 21.4	x: 0 m η = 5.7	x: 0.267 m η = 2.8	x: 0 m η = 13.8	x: 0 m η = 21.6	x: 0 m η = 2.0	x: 0 m η = 5.0	x: 0 m η = 73.9	x: 0 m η = 72.7	x: 0 m η = 67.9	**CUMPLE h = 73.9**
N174/N175	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 28.0	x: 0.315 m η = 30.9	x: 0.315 m η = 1.6	x: 0.066 m η = 10.3	x: 0.563 m η = 5.7	x: 0.315 m η = 1.5	η = 3.0	x: 0.066 m η = 10.6	x: 0.563 m η = 6.4	x: 0.066 m η = 1.2	x: 0.563 m η = 0.4	x: 0.563 m η = 43.2	x: 0.563 m η = 43.2	x: 0.066 m η = 41.9	**CUMPLE h = 43.2**
N175/N176	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 25.8	x: 0.533 m η = 28.5	x: 0.533 m η = 1.8	x: 0.037 m η = 7.2	x: 0.037 m η = 7.4	x: 0.533 m η = 2.1	x: 0.286 m η = 1.9	x: 0.037 m η = 8.0	x: 0.037 m η = 7.4	x: 0.037 m η = 0.7	x: 0.037 m η = 0.6	x: 0.037 m η = 43.4	x: 0.037 m η = 42.8	x: 0.037 m η = 40.8	**CUMPLE h = 43.4**
N176/N177	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 18.0	x: 0.315 m η = 19.3	η = 1.1	x: 0.066 m η = 8.2	x: 0.066 m η = 4.1	η = 1.5	x: 0.315 m η = 2.7	x: 0.066 m η = 8.5	x: 0.066 m η = 4.1	x: 0.066 m η = 0.8	x: 0.066 m η = 0.2	x: 0.066 m η = 30.7	x: 0.066 m η = 29.2	x: 0.066 m η = 29.1	**CUMPLE h = 30.7**
N177/N178	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 15.8	x: 0.286 m η = 16.8	η = 1.6	x: 0.037 m η = 7.0	x: 0.037 m η = 5.2	x: 0.286 m η = 1.7	x: 0.286 m η = 2.1	x: 0.037 m η = 7.4	x: 0.037 m η = 5.2	x: 0.037 m η = 0.6	x: 0.037 m η = 0.3	x: 0.037 m η = 30.9	x: 0.037 m η = 28.9	x: 0.037 m η = 27.3	**CUMPLE h = 30.9**
N178/N179	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 8.9	x: 0.562 m η = 8.6	η = 0.9	x: 0.066 m η = 6.7	x: 0.066 m η = 2.7	x: 0.562 m η = 1.0	x: 0.315 m η = 2.4	x: 0.066 m η = 7.0	x: 0.066 m η = 2.9	x: 0.066 m η = 0.6	x: 0.066 m η = 0.1	x: 0.066 m η = 21.1	x: 0.066 m η = 18.2	x: 0.066 m η = 17.9	**CUMPLE h = 21.1**
N179/N180	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 7.3	x: 0.037 m η = 6.8	η = 1.3	x: 0.037 m η = 6.2	x: 0.534 m η = 4.0	η = 1.4	x: 0.286 m η = 2.0	x: 0.037 m η = 6.7	x: 0.534 m η = 4.1	x: 0.037 m η = 0.5	x: 0.534 m η = 0.2	x: 0.037 m η = 19.6	x: 0.037 m η = 16.5	x: 0.037 m η = 15.6	**CUMPLE h = 19.6**
N180/N181	w / t ≤(w / t)máx. Cumple	x: 0.563 m η = 7.1	x: 0.563 m η = 5.9	η = 0.8	x: 0.066 m η = 5.8	x: 0.066 m η = 2.0	x: 0.066 m η = 0.5	x: 0.066 m η = 2.2	x: 0.066 m η = 6.2	x: 0.066 m η = 2.3	x: 0.066 m η = 0.4	x: 0.066 m η = 0.1	x: 0.066 m η = 14.3	x: 0.066 m η = 10.9	x: 0.066 m η = 12.0	**CUMPLE h = 14.3**
N181/N182	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 7.9	x: 0.037 m η = 6.7	η = 1.2	x: 0.037 m η = 5.5	x: 0.534 m η = 4.6	x: 0.037 m η = 1.1	x: 0.037 m η = 2.0	x: 0.037 m η = 5.8	x: 0.534 m η = 4.7	x: 0.037 m η = 0.4	x: 0.534 m η = 0.2	x: 0.534 m η = 17.2	x: 0.534 m η = 13.3	x: 0.534 m η = 14.1	**CUMPLE h = 17.2**
N182/N183	w / t ≤(w / t)máx. Cumple	x: 0.555 m η = 14.7	x: 0.555 m η = 13.6	η = 1.0	x: 0.555 m η = 4.4	x: 0.555 m η = 4.6	η = 0.3	x: 0.311 m η = 1.3	x: 0.555 m η = 4.6	x: 0.555 m η = 4.6	x: 0.555 m η = 0.2	x: 0.555 m η = 0.2	x: 0.555 m η = 22.6	x: 0.555 m η = 19.2	x: 0.555 m η = 20.8	**CUMPLE h = 22.6**
N183/N184	w / t ≤(w / t)máx. Cumple	x: 0.244 m η = 13.1	x: 0.244 m η = 11.9	x: 0.045 m η = 0.5	x: 0.442 m η = 0.9	x: 0.045 m η = 13.6	x: 0.244 m η = 5.6	x: 0.045 m η = 0.1	x: 0.442 m η = 1.1	x: 0.045 m η = 13.6	x: 0.441 m η < 0.1	x: 0.045 m η = 2.2	x: 0.045 m η = 30.1	x: 0.045 m η = 23.5	x: 0.045 m η = 30.0	**CUMPLE h = 30.1**
N184/N185	w / t ≤(w / t)máx. Cumple	x: 0.201 m η = 10.6	x: 0.201 m η = 9.6	η = 0.9	x: 0.355 m η = 13.2	x: 0.047 m η = 0.3	η = 0.1	x: 0.201 m η = 7.5	x: 0.355 m η = 13.3	x: 0.047 m η = 0.8	x: 0.355 m η = 2.3	x: 0.047 m η < 0.1	x: 0.355 m η = 27.5	x: 0.355 m η = 21.4	x: 0.355 m η = 27.0	**CUMPLE h = 27.5**
N185/N186	w / t ≤(w / t)máx. Cumple	η = 12.0	η = 10.9	η = 2.2	x: 0.045 m η = 6.4	x: 0.045 m η = 1.2	η = 0.3	x: 0.543 m η = 2.2	x: 0.045 m η = 6.6	x: 0.045 m η = 2.0	x: 0.045 m η = 0.5	x: 0.045 m η < 0.1	x: 0.045 m η = 20.5	x: 0.045 m η = 18.0	x: 0.045 m η = 19.6	**CUMPLE h = 20.5**
N186/N187	w / t ≤(w / t)máx. Cumple	η = 9.7	η = 2.1	η = 3.4	x: 0.563 m η = 4.0	x: 0.057 m η = 5.6	η = 1.6	x: 0.563 m η = 1.8	x: 0.563 m η = 5.3	x: 0.057 m η = 6.8	x: 0.563 m η = 0.3	x: 0.057 m η = 0.5	x: 0.057 m η = 20.4	x: 0.057 m η = 10.8	x: 0.057 m η = 15.2	**CUMPLE h = 20.4**
N187/N188	w / t ≤(w / t)máx. Cumple	x: 0.29 m η = 9.1	x: 0.29 m η = 1.1	x: 0.542 m η = 3.7	x: 0.543 m η = 8.6	x: 0.037 m η = 8.1	η = 2.7	x: 0.543 m η = 2.7	x: 0.543 m η = 8.9	x: 0.037 m η = 9.7	x: 0.543 m η = 0.9	x: 0.037 m η = 1.0	x: 0.037 m η = 23.9	x: 0.037 m η = 12.9	x: 0.037 m η = 19.0	**CUMPLE h = 23.9**
N188/N189	w / t ≤(w / t)máx. Cumple	η = 14.3	N.P.(1)	η = 2.5	x: 0.182 m η = 10.9	x: 0.182 m η = 19.3	x: 0.058 m η = 22.8	x: 0.181 m η = 15.7	x: 0.182 m η = 10.9	x: 0.182 m η = 20.2	x: 0.182 m η = 3.6	x: 0.182 m η = 9.3	x: 0.182 m η = 44.5	N.P.(2)	x: 0.182 m η = 36.0	**CUMPLE h = 44.5**
N189/N190	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 20.6	N.P.(1)	x: 0.391 m η = 0.7	x: 0.218 m η = 20.4	x: 0.218 m η = 33.0	x: 0.562 m η = 12.3	x: 0.218 m η = 7.5	x: 0.218 m η = 20.4	x: 0.218 m η = 33.3	x: 0.218 m η = 4.7	x: 0.218 m η = 12.6	x: 0.218 m η = 84.8	N.P.(2)	x: 0.218 m η = 66.9	**CUMPLE h = 84.8**
N190/N191	w / t ≤(w / t)máx. Cumple	x: 0.29 m η = 15.0	N.P.(1)	η = 0.7	x: 0.037 m η = 2.8	x: 0.037 m η = 17.8	x: 0.29 m η = 6.6	x: 0.037 m η = 1.4	x: 0.037 m η = 2.9	x: 0.037 m η = 18.1	x: 0.037 m η = 0.1	x: 0.037 m η = 3.7	x: 0.037 m η = 39.2	N.P.(2)	x: 0.037 m η = 37.1	**CUMPLE h = 39.2**
N191/N192	w / t ≤(w / t)máx. Cumple	η = 5.7	η = 2.1	η = 0.4	x: 0.057 m η = 3.7	x: 0.563 m η = 14.8	x: 0.31 m η = 4.9	x: 0.057 m η = 1.4	x: 0.057 m η = 3.8	x: 0.563 m η = 14.9	x: 0.057 m η = 0.2	x: 0.563 m η = 2.5	x: 0.563 m η = 22.6	x: 0.563 m η = 16.9	x: 0.563 m η = 22.5	**CUMPLE h = 22.6**
N192/N193	w / t ≤(w / t)máx. Cumple	η = 7.9	η = 5.2	x: 0.29 m η = 0.5	x: 0.543 m η = 3.7	x: 0.543 m η = 12.7	η = 4.3	x: 0.037 m η = 1.9	x: 0.543 m η = 3.8	x: 0.543 m η = 12.9	x: 0.037 m η = 0.2	x: 0.543 m η = 1.8	x: 0.543 m η = 28.1	x: 0.543 m η = 18.6	x: 0.543 m η = 23.8	**CUMPLE h = 28.1**
N193/N194	w / t ≤(w / t)máx. Cumple	η = 5.1	η = 15.4	η = 0.5	x: 0.563 m η = 3.3	x: 0.563 m η = 11.1	x: 0.31 m η = 3.2	x: 0.057 m η = 1.6	x: 0.563 m η = 3.5	x: 0.563 m η = 11.3	x: 0.563 m η = 0.1	x: 0.563 m η = 1.4	x: 0.563 m η = 21.2	x: 0.563 m η = 30.3	x: 0.563 m η = 29.8	**CUMPLE h = 30.3**
N194/N195	w / t ≤(w / t)máx. Cumple	η = 7.3	η = 18.2	η = 0.6	x: 0.543 m η = 5.5	x: 0.543 m η = 10.3	η = 2.9	x: 0.037 m η = 2.3	x: 0.543 m η = 5.8	x: 0.543 m η = 10.5	x: 0.543 m η = 0.3	x: 0.543 m η = 1.2	x: 0.543 m η = 26.7	x: 0.543 m η = 29.5	x: 0.543 m η = 30.9	**CUMPLE h = 30.9**
N195/N196	w / t ≤(w / t)máx. Cumple	x: 0.057 m η = 6.5	x: 0.057 m η = 24.4	x: 0.057 m η = 1.0	x: 0.057 m η = 4.4	x: 0.563 m η = 5.8	x: 0.562 m η = 1.0	x: 0.563 m η = 1.9	x: 0.563 m η = 4.9	x: 0.563 m η = 6.1	x: 0.563 m η = 0.2	x: 0.563 m η = 0.4	x: 0.563 m η = 17.7	x: 0.563 m η = 35.2	x: 0.563 m η = 33.1	**CUMPLE h = 35.2**
N196/N197	w / t ≤(w / t)máx. Cumple	x: 0.29 m η = 7.2	x: 0.29 m η = 25.3	x: 0.29 m η = 1.0	x: 0.543 m η = 5.8	x: 0.543 m η = 7.2	x: 0.29 m η = 1.6	x: 0.037 m η = 2.3	x: 0.543 m η = 6.3	x: 0.543 m η = 7.6	x: 0.543 m η = 0.4	x: 0.543 m η = 0.6	x: 0.543 m η = 23.6	x: 0.543 m η = 34.7	x: 0.543 m η = 34.2	**CUMPLE h = 34.7**
N197/N198	w / t ≤(w / t)máx. Cumple	η = 7.2	η = 25.7	η = 1.0	x: 0.057 m η = 5.8	x: 0.057 m η = 6.9	η = 1.3	x: 0.563 m η = 2.3	x: 0.057 m η = 6.2	x: 0.057 m η = 7.4	x: 0.057 m η = 0.4	x: 0.057 m η = 0.6	x: 0.057 m η = 23.0	x: 0.057 m η = 35.3	x: 0.057 m η = 34.5	**CUMPLE h = 35.3**
N198/N199	w / t ≤(w / t)máx. Cumple	x: 0.543 m η = 6.6	x: 0.543 m η = 24.9	x: 0.543 m η = 0.9	x: 0.543 m η = 4.6	x: 0.037 m η = 5.5	x: 0.037 m η = 1.1	x: 0.037 m η = 1.9	x: 0.543 m η = 5.0	x: 0.037 m η = 5.8	x: 0.543 m η = 0.3	x: 0.037 m η = 0.3	x: 0.037 m η = 17.4	x: 0.037 m η = 35.2	x: 0.037 m η = 33.3	**CUMPLE h = 35.2**
N199/N200	w / t ≤(w / t)máx. Cumple	x: 0.31 m η = 7.4	x: 0.31 m η = 19.4	x: 0.31 m η = 0.9	x: 0.057 m η = 5.7	x: 0.057 m η = 11.1	x: 0.31 m η = 3.2	x: 0.563 m η = 2.3	x: 0.057 m η = 6.0	x: 0.057 m η = 11.5	x: 0.057 m η = 0.4	x: 0.057 m η = 1.4	x: 0.057 m η = 27.9	x: 0.057 m η = 32.3	x: 0.057 m η = 33.2	**CUMPLE h = 33.2**
N200/N201	w / t ≤(w / t)máx. Cumple	η = 5.3	η = 16.7	η = 0.7	x: 0.037 m η = 3.5	x: 0.037 m η = 10.2	x: 0.542 m η = 2.7	x: 0.543 m η = 1.6	x: 0.037 m η = 3.8	x: 0.037 m η = 10.4	x: 0.037 m η = 0.1	x: 0.037 m η = 1.2	x: 0.037 m η = 20.6	x: 0.037 m η = 30.9	x: 0.037 m η = 30.0	**CUMPLE h = 30.9**
N201/N202	w / t ≤(w / t)máx. Cumple	η = 8.0	η = 6.2	x: 0.31 m η = 0.6	x: 0.057 m η = 4.1	x: 0.057 m η = 13.9	x: 0.31 m η = 4.7	x: 0.563 m η = 2.0	x: 0.057 m η = 4.3	x: 0.057 m η = 14.1	x: 0.057 m η = 0.2	x: 0.057 m η = 2.2	x: 0.057 m η = 30.6	x: 0.057 m η = 20.8	x: 0.057 m η = 25.7	**CUMPLE h = 30.6**
N202/N203	w / t ≤(w / t)máx. Cumple	η = 5.4	η = 2.7	η = 0.5	x: 0.54 m η = 3.8	x: 0.037 m η = 14.2	x: 0.288 m η = 4.6	x: 0.54 m η = 1.5	x: 0.54 m η = 3.9	x: 0.037 m η = 14.3	x: 0.54 m η = 0.2	x: 0.037 m η = 2.3	x: 0.037 m η = 23.0	x: 0.037 m η = 17.9	x: 0.037 m η = 22.5	**CUMPLE h = 23.0**
N203/N204	w / t ≤(w / t)máx. Cumple	x: 0.31 m η = 15.2	N.P.(1)	x: 0.562 m η = 0.4	x: 0.563 m η = 2.8	x: 0.563 m η = 18.7	x: 0.31 m η = 6.9	x: 0.563 m η = 1.4	x: 0.563 m η = 2.8	x: 0.563 m η = 18.9	x: 0.563 m η = 0.1	x: 0.563 m η = 4.0	x: 0.563 m η = 40.3	N.P.(2)	x: 0.563 m η = 38.4	**CUMPLE h = 40.3**
N204/N205	w / t ≤(w / t)máx. Cumple	x: 0.21 m η = 20.9	N.P.(1)	x: 0.21 m η = 0.6	x: 0.382 m η = 21.2	x: 0.382 m η = 33.8	x: 0.038 m η = 12.5	x: 0.382 m η = 7.9	x: 0.382 m η = 21.2	x: 0.382 m η = 34.0	x: 0.382 m η = 5.1	x: 0.382 m η = 13.1	x: 0.382 m η = 87.1	N.P.(2)	x: 0.382 m η = 68.2	**CUMPLE h = 87.1**
N205/N206	w / t ≤(w / t)máx. Cumple	η = 14.9	N.P.(1)	x: 0.218 m η = 2.3	x: 0.218 m η = 11.0	x: 0.218 m η = 20.0	x: 0.218 m η = 23.8	x: 0.219 m η = 15.8	x: 0.218 m η = 11.1	x: 0.218 m η = 20.9	x: 0.218 m η = 3.7	x: 0.218 m η = 10.1	x: 0.218 m η = 47.2	N.P.(2)	x: 0.218 m η = 37.7	**CUMPLE h = 47.2**
N206/N207	w / t ≤(w / t)máx. Cumple	x: 0.31 m η = 9.5	x: 0.31 m η = 1.2	x: 0.058 m η = 3.8	x: 0.057 m η = 8.7	x: 0.563 m η = 8.2	η = 2.7	x: 0.057 m η = 2.7	x: 0.057 m η = 9.0	x: 0.563 m η = 9.8	x: 0.057 m η = 0.9	x: 0.563 m η = 1.0	x: 0.563 m η = 24.6	x: 0.563 m η = 13.3	x: 0.563 m η = 19.6	**CUMPLE h = 24.6**
N207/N208	w / t ≤(w / t)máx. Cumple	η = 10.2	η = 2.4	η = 3.4	x: 0.037 m η = 4.1	x: 0.543 m η = 6.2	η = 1.7	x: 0.037 m η = 1.8	x: 0.037 m η = 5.4	x: 0.543 m η = 7.4	x: 0.037 m η = 0.3	x: 0.543 m η = 0.6	x: 0.543 m η = 21.6	x: 0.543 m η = 11.6	x: 0.543 m η = 16.3	**CUMPLE h = 21.6**
N208/N209	w / t ≤(w / t)máx. Cumple	η = 12.2	η = 11.1	x: 0.306 m η = 2.5	x: 0.555 m η = 6.5	x: 0.057 m η = 1.5	x: 0.306 m η = 0.5	x: 0.057 m η = 2.2	x: 0.555 m η = 6.8	x: 0.057 m η = 2.5	x: 0.555 m η = 0.5	x: 0.057 m η = 0.1	x: 0.555 m η = 20.5	x: 0.555 m η = 18.2	x: 0.555 m η = 19.8	**CUMPLE h = 20.5**
N209/N210	w / t ≤(w / t)máx. Cumple	x: 0.199 m η = 10.8	x: 0.199 m η = 9.7	η = 1.0	x: 0.045 m η = 13.3	x: 0.353 m η = 0.7	η = 0.3	x: 0.199 m η = 7.6	x: 0.045 m η = 13.4	x: 0.353 m η = 1.2	x: 0.045 m η = 2.4	x: 0.352 m η < 0.1	x: 0.045 m η = 27.7	x: 0.045 m η = 21.6	x: 0.045 m η = 27.4	**CUMPLE h = 27.7**
N211/N212	w / t ≤(w / t)máx. Cumple	x: 0.267 m η = 36.5	x: 0.267 m η = 40.5	η = 1.0	x: 0 m η = 13.8	x: 0 m η = 21.3	x: 0 m η = 5.7	x: 0.533 m η = 2.8	x: 0 m η = 14.1	x: 0 m η = 21.5	x: 0 m η = 2.1	x: 0 m η = 4.9	x: 0 m η = 73.4	x: 0 m η = 72.0	x: 0 m η = 67.3	**CUMPLE h = 73.4**
N212/N213	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 27.7	x: 0.315 m η = 30.4	x: 0.315 m η = 1.5	x: 0.066 m η = 10.4	x: 0.563 m η = 5.6	η = 1.5	η = 3.0	x: 0.066 m η = 10.7	x: 0.563 m η = 6.2	x: 0.066 m η = 1.2	x: 0.563 m η = 0.4	x: 0.563 m η = 42.5	x: 0.563 m η = 42.3	x: 0.066 m η = 41.0	**CUMPLE h = 42.5**
N213/N214	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 25.6	x: 0.533 m η = 28.1	x: 0.533 m η = 1.8	x: 0.037 m η = 7.1	x: 0.037 m η = 7.2	x: 0.533 m η = 2.0	x: 0.286 m η = 1.8	x: 0.037 m η = 7.9	x: 0.037 m η = 7.3	x: 0.037 m η = 0.7	x: 0.037 m η = 0.6	x: 0.037 m η = 42.4	x: 0.037 m η = 41.8	x: 0.037 m η = 39.9	**CUMPLE h = 42.4**
N214/N215	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 18.0	x: 0.315 m η = 19.2	η = 1.1	x: 0.066 m η = 8.2	x: 0.066 m η = 4.1	η = 1.6	η = 2.5	x: 0.066 m η = 8.3	x: 0.066 m η = 4.2	x: 0.066 m η = 0.7	x: 0.066 m η = 0.2	x: 0.066 m η = 30.0	x: 0.066 m η = 28.5	x: 0.066 m η = 28.4	**CUMPLE h = 30.0**
N215/N216	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 15.9	x: 0.286 m η = 16.8	η = 1.6	x: 0.037 m η = 6.7	x: 0.037 m η = 5.1	x: 0.286 m η = 1.7	x: 0.286 m η = 1.9	x: 0.037 m η = 7.4	x: 0.037 m η = 5.2	x: 0.037 m η = 0.6	x: 0.037 m η = 0.3	x: 0.037 m η = 30.3	x: 0.037 m η = 28.3	x: 0.037 m η = 26.8	**CUMPLE h = 30.3**
N216/N217	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 9.2	x: 0.562 m η = 8.9	η = 1.0	x: 0.066 m η = 7.0	x: 0.066 m η = 2.8	x: 0.562 m η = 1.0	x: 0.315 m η = 2.4	x: 0.066 m η = 7.2	x: 0.066 m η = 3.0	x: 0.066 m η = 0.6	x: 0.066 m η = 0.1	x: 0.066 m η = 21.8	x: 0.066 m η = 18.8	x: 0.066 m η = 18.6	**CUMPLE h = 21.8**
N217/N218	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 7.6	x: 0.037 m η = 7.1	η = 1.3	x: 0.037 m η = 6.4	x: 0.534 m η = 3.9	x: 0.286 m η = 1.3	x: 0.286 m η = 2.0	x: 0.037 m η = 6.9	x: 0.534 m η = 4.0	x: 0.037 m η = 0.5	x: 0.534 m η = 0.2	x: 0.037 m η = 20.3	x: 0.037 m η = 17.1	x: 0.037 m η = 16.2	**CUMPLE h = 20.3**
N218/N219	w / t ≤(w / t)máx. Cumple	x: 0.563 m η = 6.9	x: 0.563 m η = 5.7	η = 0.8	x: 0.066 m η = 5.9	x: 0.563 m η = 1.9	x: 0.066 m η = 0.5	x: 0.066 m η = 2.2	x: 0.066 m η = 6.2	x: 0.066 m η = 2.1	x: 0.066 m η = 0.4	x: 0.066 m η < 0.1	x: 0.066 m η = 14.8	x: 0.066 m η = 11.3	x: 0.066 m η = 12.5	**CUMPLE h = 14.8**
N219/N220	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 7.7	x: 0.037 m η = 6.4	η = 1.2	x: 0.037 m η = 5.5	x: 0.534 m η = 4.7	x: 0.037 m η = 1.1	x: 0.037 m η = 2.0	x: 0.037 m η = 6.0	x: 0.534 m η = 4.8	x: 0.037 m η = 0.4	x: 0.534 m η = 0.2	x: 0.534 m η = 16.9	x: 0.534 m η = 13.0	x: 0.534 m η = 13.9	**CUMPLE h = 16.9**
N220/N221	w / t ≤(w / t)máx. Cumple	x: 0.555 m η = 14.9	x: 0.555 m η = 13.8	η = 1.0	x: 0.555 m η = 4.3	x: 0.555 m η = 4.7	η = 0.4	x: 0.311 m η = 1.3	x: 0.555 m η = 4.7	x: 0.555 m η = 4.8	x: 0.555 m η = 0.2	x: 0.555 m η = 0.2	x: 0.555 m η = 22.8	x: 0.555 m η = 19.3	x: 0.555 m η = 21.1	**CUMPLE h = 22.8**
N221/N210	w / t ≤(w / t)máx. Cumple	x: 0.244 m η = 13.2	x: 0.244 m η = 12.1	η = 0.5	x: 0.442 m η = 1.2	x: 0.045 m η = 13.7	x: 0.244 m η = 5.7	x: 0.244 m η = 0.2	x: 0.442 m η = 1.4	x: 0.045 m η = 13.8	x: 0.441 m η < 0.1	x: 0.045 m η = 2.2	x: 0.045 m η = 30.4	x: 0.045 m η = 23.8	x: 0.045 m η = 30.4	**CUMPLE h = 30.4**
N222/N223	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 20.6	x: 0 m η = 21.2	η = 1.0	x: 0 m η = 15.8	x: 0 m η = 20.0	x: 0 m η = 5.1	x: 0.282 m η = 3.5	x: 0 m η = 16.1	x: 0 m η = 20.2	x: 0 m η = 2.7	x: 0 m η = 4.3	x: 0 m η = 43.6	x: 0 m η = 39.7	x: 0 m η = 40.3	**CUMPLE h = 43.6**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_y	M,V_x	MT	MP	TPTrMV	
N223/N224	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 17.9	x: 0.037 m η = 18.4	x: 0.037 m η = 1.4	x: 0.037 m η = 10.5	x: 0.534 m η = 6.4	η = 1.9	η = 2.6	x: 0.037 m η = 10.8	x: 0.534 m η = 7.0	x: 0.037 m η = 1.2	x: 0.534 m η = 0.5	x: 0.037 m η = 36.6	x: 0.037 m η = 33.2	x: 0.037 m η = 31.9	**CUMPLE h = 36.6**
N224/N225	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 15.3	x: 0.066 m η = 16.1	η = 1.8	x: 0.066 m η = 11.6	x: 0.066 m η = 8.2	η = 2.4	x: 0.067 m η = 3.6	x: 0.066 m η = 12.4	x: 0.066 m η = 8.3	x: 0.066 m η = 1.7	x: 0.066 m η = 0.8	x: 0.066 m η = 38.5	x: 0.066 m η = 34.9	x: 0.066 m η = 32.0	**CUMPLE h = 38.5**
N225/N226	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 12.9	x: 0.037 m η = 13.5	η = 1.1	x: 0.037 m η = 9.5	x: 0.037 m η = 3.9	x: 0.533 m η = 1.5	x: 0.533 m η = 2.6	x: 0.037 m η = 9.5	x: 0.534 m η = 4.2	x: 0.037 m η = 1.0	x: 0.534 m η = 0.2	x: 0.037 m η = 29.5	x: 0.037 m η = 26.5	x: 0.037 m η = 25.9	**CUMPLE h = 29.5**
N226/N227	w / t ≤ (w / t)máx. Cumple	x: 0.067 m η = 10.9	x: 0.067 m η = 11.9	η = 1.6	x: 0.066 m η = 10.5	x: 0.066 m η = 5.7	x: 0.066 m η = 1.9	x: 0.066 m η = 3.5	x: 0.066 m η = 11.2	x: 0.066 m η = 5.7	x: 0.066 m η = 1.4	x: 0.066 m η = 0.4	x: 0.066 m η = 31.0	x: 0.066 m η = 27.8	x: 0.066 m η = 25.9	**CUMPLE h = 31.0**
N227/N228	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 8.3	x: 0.037 m η = 9.1	η = 1.0	x: 0.037 m η = 9.1	x: 0.037 m η = 2.5	η = 0.9	η = 2.8	x: 0.037 m η = 9.3	x: 0.037 m η = 2.7	x: 0.037 m η = 0.9	x: 0.037 m η = 0.1	x: 0.037 m η = 23.3	x: 0.037 m η = 20.8	x: 0.037 m η = 20.7	**CUMPLE h = 23.3**
N228/N229	w / t ≤ (w / t)máx. Cumple	x: 0.315 m η = 10.6	x: 0.315 m η = 12.1	x: 0.315 m η = 1.3	x: 0.066 m η = 9.4	x: 0.563 m η = 3.8	x: 0.315 m η = 1.4	x: 0.562 m η = 3.3	x: 0.066 m η = 9.9	x: 0.563 m η = 3.9	x: 0.066 m η = 1.1	x: 0.563 m η = 0.2	x: 0.066 m η = 23.4	x: 0.066 m η = 21.0	x: 0.066 m η = 20.0	**CUMPLE h = 23.4**
N229/N230	w / t ≤ (w / t)máx. Cumple	x: 0.037 m η = 9.7	x: 0.037 m η = 11.1	η = 0.8	x: 0.037 m η = 8.8	x: 0.534 m η = 2.3	x: 0.533 m η = 0.5	x: 0.038 m η = 2.9	x: 0.037 m η = 9.1	x: 0.534 m η = 2.4	x: 0.037 m η = 0.9	x: 0.534 m η = 0.1	x: 0.037 m η = 18.1	x: 0.037 m η = 17.7	x: 0.037 m η = 17.3	**CUMPLE h = 18.1**
N230/N231	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 16.1	x: 0.066 m η = 18.7	η = 1.3	x: 0.563 m η = 8.2	x: 0.563 m η = 3.8	η = 0.9	x: 0.315 m η = 3.3	x: 0.563 m η = 8.7	x: 0.563 m η = 3.8	x: 0.563 m η = 0.9	x: 0.563 m η = 0.2	x: 0.563 m η = 24.3	x: 0.563 m η = 24.7	x: 0.563 m η = 23.9	**CUMPLE h = 24.7**
N231/N232	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 16.4	x: 0.037 m η = 19.0	x: 0.038 m η = 2.2	x: 0.534 m η = 10.9	x: 0.534 m η = 10.5	η = 2.1	x: 0.038 m η = 3.8	x: 0.534 m η = 11.8	x: 0.534 m η = 10.6	x: 0.534 m η = 1.5	x: 0.534 m η = 1.2	x: 0.534 m η = 30.6	x: 0.534 m η = 31.7	x: 0.534 m η = 32.4	**CUMPLE h = 32.4**
N232/N209	w / t ≤ (w / t)máx. Cumple	x: 0.454 m η = 2.1	x: 0.066 m η = 2.8	x: 0.261 m η = 0.8	x: 0.455 m η = 2.4	x: 0.066 m η = 10.7	x: 0.261 m η = 4.6	η = 0.2	x: 0.455 m η = 2.8	x: 0.066 m η = 10.8	x: 0.455 m η = 0.1	x: 0.066 m η = 1.4	x: 0.066 m η = 13.7	x: 0.066 m η = 14.3	x: 0.066 m η = 16.2	**CUMPLE h = 16.2**
N183/N233	w / t ≤ (w / t)máx. Cumple	η = 1.2	η = 1.6	x: 0.343 m η = 0.3	x: 0.343 m η = 12.4	x: 0.045 m η = 3.8	x: 0.045 m η = 1.3	x: 0.343 m η = 6.8	x: 0.343 m η = 12.4	x: 0.045 m η = 3.9	x: 0.343 m η = 2.0	x: 0.045 m η = 0.2	x: 0.343 m η = 15.0	x: 0.343 m η = 14.3	x: 0.343 m η = 17.1	**CUMPLE h = 17.1**
N233/N234	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 6.1	x: 0.562 m η = 11.3	η = 3.3	x: 0.057 m η = 11.3	x: 0.057 m η = 11.1	η = 3.9	x: 0.563 m η = 3.3	x: 0.057 m η = 11.7	x: 0.057 m η = 12.5	x: 0.057 m η = 1.5	x: 0.057 m η = 1.7	x: 0.057 m η = 25.2	x: 0.057 m η = 26.7	x: 0.057 m η = 25.7	**CUMPLE h = 26.7**
N234/N235	w / t ≤ (w / t)máx. Cumple	η = 4.8	η = 10.1	x: 0.29 m η = 3.6	x: 0.543 m η = 4.8	x: 0.543 m η = 9.3	x: 0.29 m η = 3.5	x: 0.543 m η = 1.9	x: 0.543 m η = 6.3	x: 0.543 m η = 10.8	x: 0.543 m η = 0.4	x: 0.543 m η = 1.3	x: 0.543 m η = 21.5	x: 0.543 m η = 20.6	x: 0.543 m η = 17.7	**CUMPLE h = 21.5**
N235/N236	w / t ≤ (w / t)máx. Cumple	N.P.[3]	η = 14.1	η = 2.1	x: 0.555 m η = 17.2	x: 0.555 m η = 20.8	η = 6.1	x: 0.555 m η = 5.3	x: 0.555 m η = 17.5	x: 0.555 m η = 21.7	x: 0.555 m η = 3.4	x: 0.555 m η = 5.1	N.P.[4]	x: 0.555 m η = 40.2	x: 0.555 m η = 38.0	**CUMPLE h = 40.2**
N236/N237	w / t ≤ (w / t)máx. Cumple	N.P.[3]	η = 11.0	η = 0.2	x: 0.353 m η = 14.0	x: 0.353 m η = 19.2	x: 0.199 m η = 12.1	x: 0.353 m η = 8.4	x: 0.353 m η = 14.1	x: 0.353 m η = 19.3	x: 0.353 m η = 2.7	x: 0.353 m η = 5.1	N.P.[4]	x: 0.353 m η = 32.4	x: 0.353 m η = 33.5	**CUMPLE h = 33.5**
N237/N238	w / t ≤ (w / t)máx. Cumple	N.P.[3]	η = 22.8	η = 0.6	x: 0.047 m η = 15.5	x: 0.047 m η = 11.4	η = 2.0	x: 0.047 m η = 4.3	x: 0.047 m η = 15.6	x: 0.047 m η = 11.6	x: 0.047 m η = 2.6	x: 0.047 m η = 1.4	N.P.[4]	x: 0.047 m η = 41.9	x: 0.047 m η = 42.3	**CUMPLE h = 42.3**
N238/N239	w / t ≤ (w / t)máx. Cumple	x: 0.058 m η = 4.7	x: 0.058 m η = 9.9	η = 0.7	x: 0.057 m η = 5.1	x: 0.057 m η = 14.9	x: 0.31 m η = 5.3	x: 0.057 m η = 2.1	x: 0.057 m η = 5.1	x: 0.057 m η = 15.0	x: 0.057 m η = 0.3	x: 0.057 m η = 2.5	x: 0.057 m η = 25.9	x: 0.057 m η = 25.9	x: 0.057 m η = 26.4	**CUMPLE h = 26.4**
N239/N240	w / t ≤ (w / t)máx. Cumple	η = 4.8	η = 9.1	η = 0.4	x: 0.037 m η = 3.0	x: 0.037 m η = 12.8	x: 0.542 m η = 4.8	x: 0.037 m η = 1.3	x: 0.037 m η = 3.1	x: 0.037 m η = 12.8	x: 0.037 m η = 0.1	x: 0.037 m η = 1.9	x: 0.037 m η = 6.4	x: 0.037 m η = 17.8	x: 0.037 m η = 19.0	**CUMPLE h = 19.0**
N240/N241	w / t ≤ (w / t)máx. Cumple	x: 0.31 m η = 11.8	x: 0.31 m η = 1.1	η = 0.5	x: 0.563 m η = 4.1	x: 0.563 m η = 13.6	x: 0.057 m η = 4.3	x: 0.057 m η = 1.4	x: 0.563 m η = 4.2	x: 0.563 m η = 13.7	x: 0.563 m η = 0.2	x: 0.563 m η = 2.0	x: 0.563 m η = 33.9	x: 0.563 m η = 14.7	x: 0.563 m η = 29.2	**CUMPLE h = 33.9**
N241/N242	w / t ≤ (w / t)máx. Cumple	η = 15.0	η = 4.1	η = 0.4	x: 0.543 m η = 3.8	x: 0.543 m η = 10.7	x: 0.29 m η = 3.4	x: 0.037 m η = 1.1	x: 0.543 m η = 4.0	x: 0.543 m η = 10.9	x: 0.543 m η = 0.2	x: 0.543 m η = 1.3	x: 0.543 m η = 30.4	x: 0.543 m η = 18.4	x: 0.543 m η = 28.4	**CUMPLE h = 30.4**
N242/N243	w / t ≤ (w / t)máx. Cumple	x: 0.31 m η = 23.2	x: 0.31 m η = 2.7	η = 0.5	x: 0.563 m η = 5.3	x: 0.563 m η = 10.0	x: 0.057 m η = 2.6	x: 0.057 m η = 2.2	x: 0.563 m η = 5.5	x: 0.563 m η = 10.2	x: 0.563 m η = 0.3	x: 0.563 m η = 1.1	x: 0.563 m η = 42.6	x: 0.563 m η = 14.1	x: 0.563 m η = 37.0	**CUMPLE h = 42.6**
N243/N244	w / t ≤ (w / t)máx. Cumple	x: 0.037 m η = 25.0	x: 0.037 m η = 4.4	η = 0.9	x: 0.543 m η = 4.6	x: 0.543 m η = 8.5	x: 0.29 m η = 2.0	x: 0.543 m η = 1.9	x: 0.543 m η = 5.0	x: 0.543 m η = 8.9	x: 0.543 m η = 0.3	x: 0.543 m η = 0.8	x: 0.543 m η = 39.5	x: 0.543 m η = 17.9	x: 0.543 m η = 35.8	**CUMPLE h = 39.5**
N244/N245	w / t ≤ (w / t)máx. Cumple	η = 27.8	η = 3.7	x: 0.562 m η = 0.9	x: 0.563 m η = 5.7	x: 0.057 m η = 3.8	x: 0.057 m η = 0.6	x: 0.057 m η = 2.3	x: 0.563 m η = 6.1	x: 0.057 m η = 4.2	x: 0.563 m η = 0.4	x: 0.057 m η = 0.2	x: 0.563 m η = 39.8	x: 0.057 m η = 11.9	x: 0.563 m η = 35.9	**CUMPLE h = 39.8**
N245/N246	w / t ≤ (w / t)máx. Cumple	η = 27.9	η = 3.8	x: 0.037 m η = 1.0	x: 0.037 m η = 5.7	x: 0.543 m η = 4.8	η = 0.6	x: 0.543 m η = 2.3	x: 0.037 m η = 6.1	x: 0.543 m η = 5.3	x: 0.037 m η = 0.4	x: 0.543 m η = 0.3	x: 0.037 m η = 39.1	x: 0.543 m η = 13.6	x: 0.037 m η = 35.6	**CUMPLE h = 39.1**
N246/N247	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 25.5	x: 0.562 m η = 4.2	η = 0.9	x: 0.563 m η = 4.7	x: 0.057 m η = 8.8	x: 0.31 m η = 2.2	x: 0.057 m η = 2.0	x: 0.563 m η = 5.1	x: 0.057 m η = 9.2	x: 0.563 m η = 0.3	x: 0.057 m η = 0.9	x: 0.057 m η = 40.9	x: 0.057 m η = 17.8	x: 0.057 m η = 37.0	**CUMPLE h = 40.9**
N247/N248	w / t ≤ (w / t)máx. Cumple	η = 23.8	η = 2.6	x: 0.542 m η = 0.9	x: 0.037 m η = 5.5	x: 0.037 m η = 7.7	x: 0.542 m η = 1.7	x: 0.543 m η = 2.3	x: 0.037 m η = 5.8	x: 0.037 m η = 8.1	x: 0.037 m η = 0.4	x: 0.037 m η = 0.7	x: 0.037 m η = 41.1	x: 0.037 m η = 12.3	x: 0.037 m η = 35.6	**CUMPLE h = 41.1**
N248/N249	w / t ≤ (w / t)máx. Cumple	η = 16.2	η = 4.0	η = 0.7	x: 0.057 m η = 3.7	x: 0.057 m η = 12.8	x: 0.31 m η = 4.0	x: 0.563 m η = 1.7	x: 0.057 m η = 4.0	x: 0.057 m η = 13.1	x: 0.057 m η = 0.2	x: 0.057 m η = 1.9	x: 0.057 m η = 35.0	x: 0.057 m η = 20.4	x: 0.057 m η = 32.2	**CUMPLE h = 35.0**
N249/N250	w / t ≤ (w / t)máx. Cumple	x: 0.29 m η = 13.0	x: 0.29 m η = 1.1	x: 0.29 m η = 0.5	x: 0.037 m η = 4.0	x: 0.037 m η = 12.4	x: 0.542 m η = 3.8	x: 0.543 m η = 2.0	x: 0.037 m η = 4.2	x: 0.037 m η = 12.5	x: 0.543 m η = 0.2	x: 0.037 m η = 1.7	x: 0.037 m η = 33.6	x: 0.037 m η = 13.5	x: 0.037 m η = 28.9	**CUMPLE h = 33.6**
N250/N251	w / t ≤ (w / t)máx. Cumple	x: 0.56 m η = 4.6	x: 0.56 m η = 8.6	η = 0.5	x: 0.56 m η = 3.0	x: 0.057 m η = 14.4	η = 5.3	x: 0.56 m η = 1.3	x: 0.56 m η = 3.1	x: 0.057 m η = 14.5	x: 0.56 m η = 0.1	x: 0.057 m η = 2.4	x: 0.56 m η = 18.5	x: 0.057 m η = 19.0	x: 0.057 m η = 21.0	**CUMPLE h = 21.0**
N251/N252	w / t ≤ (w / t)máx. Cumple	x: 0.542 m η = 4.7	x: 0.542 m η = 9.5	η = 0.4	x: 0.543 m η = 5.3	x: 0.543 m η = 17.2	x: 0.29 m η = 6.1	x: 0.543 m η = 2.1	x: 0.543 m η = 5.3	x: 0.543 m η = 17.3	x: 0.543 m η = 0.3	x: 0.543 m η = 3.4	x: 0.543 m η = 29.3	x: 0.543 m η = 27.7	x: 0.543 m η = 28.8	**CUMPLE h = 29.3**
N252/N253	w / t ≤ (w / t)máx. Cumple	N.P.[3]	η = 23.6	η = 0.6	x: 0.553 m η = 15.9	x: 0.553 m η = 10.7	η = 1.6	x: 0.553 m η = 4.4	x: 0.553 m η = 16.0	x: 0.553 m η = 10.8	x: 0.553 m η = 2.7	x: 0.553 m η = 1.2	N.P.[4]	x: 0.553 m η = 42.9	x: 0.553 m η = 43.6	**CUMPLE h = 43.6**
N253/N254	w / t ≤ (w / t)máx. Cumple	N.P.[3]	η = 11.2	η = 0.2	x: 0.047 m η = 14.2	x: 0.355 m η = 19.4	x: 0.201 m η = 12.2	x: 0.047 m η = 8.5	x: 0.047 m η = 14.3	x: 0.355 m η = 19.5	x: 0.047 m η = 2.8	x: 0.355 m η = 5.3	N.P.[4]	x: 0.047 m η = 33.2	x: 0.355 m η = 33.9	**CUMPLE h = 33.9**
N254/N255	w / t ≤ (w / t)máx. Cumple	N.P.[3]	η = 14.4	η = 2.2	x: 0.045 m η = 17.3	x: 0.045 m η = 22.0	x: 0.543 m η = 6.6	x: 0.045 m η = 5.4	x: 0.045 m η = 17.7	x: 0.045 m η = 22.9	x: 0.045 m η = 3.4	x: 0.045 m η = 5.7	N.P.[4]	x: 0.045 m η = 42.0	x: 0.045 m η = 39.8	**CUMPLE h = 42.0**
N255/N256	w / t ≤ (w / t)máx. Cumple	η = 4.9	η = 10.4	x: 0.31 m η = 3.5	x: 0.057 m η = 4.9	x: 0.057 m η = 7.7	x: 0.31 m η = 2.8	x: 0.057 m η = 1.9	x: 0.057 m η = 6.3	x: 0.057 m η = 9.2	x: 0.057 m η = 0.4	x: 0.057 m η = 0.9	x: 0.057 m η = 19.8	x: 0.057 m η = 18.4	x: 0.057 m η = 16.3	**CUMPLE h = 19.8**
N256/N232	w / t ≤ (w / t)máx. Cumple	x: 0.038 m η = 6.3	x: 0.038 m η = 11.6	x: 0.037 m η = 3.5	x: 0.543 m η = 11.5	x: 0.543 m η = 13.1	x: 0.037 m η = 4.7	x: 0.037 m η = 3.4	x: 0.543 m η = 11.8	x: 0.543 m η = 14.6	x: 0.543 m η = 1.5	x: 0.543 m η = 2.4	x: 0.543 m η = 28.0	x: 0.543 m η = 29.0	x: 0.543 m η = 26.3	**CUMPLE h = 29.0**
N232/N221	w / t ≤ (w / t)máx. Cumple	η = 1.3	η = 1.7	η = 0.3	x: 0.057 m η = 12.5	x: 0.355 m η = 4.0	x: 0.206 m η = 1.1	x: 0.057 m η = 6.8	x: 0.057 m η = 12.5	x: 0.355 m η = 4.1	x: 0.057 m η = 2.0	x: 0.355 m η = 0.2	x: 0.057 m η = 14.9	x: 0.057 m η = 14.2	x: 0.057 m η = 17.3	**CUMPLE h = 17.3**
N257/N258	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 20.4	x: 0 m η = 21.0	η = 1.1	x: 0 m η = 15.4	x: 0 m η = 20.1	x: 0 m η = 5.1	x: 0.282 m η = 3.4	x: 0 m η = 15.6	x: 0 m η = 20.3	x: 0 m η = 2.6	x: 0 m η = 4.4	x: 0 m η = 44.0	x: 0 m η = 38.8	x: 0 m η = 39.5	**CUMPLE h = 44.0**
N258/N259	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 17.7	x: 0.037 m η = 18.2	x: 0.037 m η = 1.5	x: 0.037 m η = 10.3	x: 0.534 m η = 6.5	η = 1.9	η = 2.5	x: 0.037 m η = 10.6	x: 0.534 m η = 7.1	x: 0.037 m η = 1.2	x: 0.534 m η = 0.5	x: 0.037 m η = 36.2	x: 0.037 m η = 32.9	x: 0.037 m η = 31.5	**CUMPLE h = 36.2**
N259/N260	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 15.0	x: 0.066 m η = 15.9	η = 1.8	x: 0.066 m η = 11.7	x: 0.066 m η = 8.4	x: 0.562 m η = 2.4	x: 0.067 m η = 3.7	x: 0.066 m η = 12.5	x: 0.066 m η = 8.5	x: 0.066 m η = 1.7	x: 0.066 m η = 0.8	x: 0.066 m η = 38.3	x: 0.066 m η = 34.7	x: 0.066 m η = 32.0	**CUMPLE h = 38.3**
N260/N261	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 12.6	x: 0.037 m η = 13.3	η = 1.1	x: 0.037 m η = 9.5	x: 0.037 m η = 3.8	x: 0.533 m η = 1.4	x: 0.533 m η = 2.7	x: 0.037 m η = 9.6	x: 0.534 m η = 4.2	x: 0.037 m η = 1.0	x: 0.534 m η = 0.2	x: 0.037 m η = 29.2	x: 0.037 m η = 26.3	x: 0.037 m η = 25.7	**CUMPLE h = 29.2**
N261/N262	w / t ≤ (w / t)máx. Cumple	x: 0.067 m η = 10.6	x: 0.067 m η = 11.7	η = 1.6	x: 0.066 m η = 10.5	x: 0.066 m η = 5.7	x: 0.562 m η = 1.9	x: 0.066 m η = 3.5	x: 0.066 m η = 11.1	x: 0.066 m η = 5.7	x: 0.066 m η = 1.4	x: 0.066 m η = 0.4	x: 0.066 m η = 30.5	x: 0.066 m η = 27.4	x: 0.066 m η = 25.6	**CUMPLE h = 30.5**
N262/N263	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 8.0	x: 0.037 m η = 8.8	η = 0.9	x: 0.037 m η = 9.1	x: 0.037 m η = 2.4	η = 0.9	η = 2.8	x: 0.037 m η = 9.3	x: 0.037 m η = 2.6	x: 0.037 m η = 0.9	x: 0.037 m η = 0.1	x: 0.037 m η = 22.8	x: 0.037 m η = 20.4	x: 0.037 m η = 20.4	**CUMPLE h = 22.8**
N263/N264	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 10.8	x: 0.066 m η = 12.4	η = 1.3	x: 0.066 m η = 9.1	x: 0.563 m η = 4.1	x: 0.562 m η = 1.4	η = 3.3	x: 0.066 m η = 9.6	x: 0.563 m η = 4.2	x: 0.066 m η = 1.0	x: 0.563 m η = 0.2	x: 0.066 m η = 22.7	x: 0.563 m η = 20.8	x: 0.563 m η = 19.7	**CUMPLE h = 22.7**
N264/N265	w / t ≤ (w / t)máx. Cumple	x: 0.037 m η = 9.7	x: 0.037 m η = 11.3	η = 0.8	x: 0.037 m η = 8.6	x: 0.534 m η = 2.2	x: 0.533 m η = 0.4	x: 0.038 m η = 2.9	x: 0.037 m η = 8.9	x: 0.534 m η = 2.4	x: 0.037 m η = 0.9	x: 0.534 m η = 0.1	x: 0.037 m η = 18.3	x: 0.037 m η = 17.9	x: 0.037 m η = 17.5	**CUMPLE h = 18.3**
N265/N266	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 15.9	x: 0.066 m η = 18.6	η = 1.2	x: 0.563 m η = 8.0	x: 0.563 m η = 3.7	η = 0.8	x: 0.315 m η = 3.2	x: 0.563 m η = 8.5	x: 0.563 m η = 3.7	x: 0.563 m η = 0.8	x: 0.563 m η = 0.1	x: 0.563 m η = 23.9	x: 0.563 m η = 24.4	x: 0.563 m η = 23.7	**CUMPLE h = 24.4**
N266/N233	w / t ≤ (w / t)máx. Cumple	x: 0.533 m η = 16.2	x: 0.037 m η = 18.9	x: 0.038 m η = 2.0	x: 0.534 m η = 10.6	x: 0.534 m η = 10.3	η = 2.0	x: 0.038 m η = 3.7	x: 0.534 m η = 11.5	x: 0.534 m η = 10.3	x: 0.534 m η = 1.5	x: 0.534 m η = 1.1	x: 0.534 m η = 29.9	x: 0.534 m η = 31.3	x: 0.534 m η = 32.0	**CUMPLE h = 32.0**
N233/N185	w / t ≤ (w / t)máx. Cumple	x: 0.454 m η = 2.1	x: 0.066 m η = 2.8	x: 0.261 m η = 0.8	x: 0.455 m η = 2.1	x: 0.066 m η = 10.5	η = 4.5	η = 0.3	x: 0.455 m η = 2.4	x: 0.066 m η = 10.7	x: 0.454 m η = 0.1	x: 0.066 m η = 1.3	x: 0.066 m η = 13.7	x: 0.066 m η = 14.2	x: 0.066 m η = 15.9	**CUMPLE h = 15.9**
N267/N268	w / t ≤ (w / t)máx. Cumple	x: 0 m η = 26.3	x: 0 m η = 43.6	η = 1.1	x: 0 m η = 27.4	x: 0 m η = 25.6	η = 6.9	η = 6.0	x: 0 m η = 27.6	x: 0 m η = 25.9	x: 0 m η = 8.0	x: 0 m η = 7.2	x: 0 m η = 68.0	x: 0 m η = 83.2	x: 0 m η = 77.4	**CUMPLE h = 83.2**
N268/N269	w / t ≤ (w / t)máx. Cumple	x: 0.067 m η = 17.4	x: 0.067 m η = 31.1	x: 0.562 m η = 1.5	x: 0.066 m η = 18.7	x: 0.563 m η = 6.7	η = 2.2	η = 6.1	x: 0.066 m η = 19.3	x: 0.563 m η = 7.3	x: 0.066 m η = 4.1	x: 0.563 m η = 0.6	x: 0.066 m η = 45.0	x: 0.066 m η = 55.1	x: 0.066 m η = 54.2	**CUMPLE h = 55.1**
N269/N270	w / t ≤ (w / t)máx. Cumple	x: 0.038 m η = 14.6	x: 0.038 m η = 27.8	η = 1.8	x: 0.037 m η = 15.6	x: 0.037 m η = 7.5	η = 2.7	η = 4.5	x: 0.037 m η = 16.4	x: 0.037 m η = 8.2	x: 0.037 m η = 2.9	x: 0.037 m η = 0.7	x: 0.037 m η = 38.1	x: 0.037 m η = 50.2	x: 0.037 m η = 46.8	**CUMPLE h = 50.2**
N270/N271	w / t ≤ (w / t)máx. Cumple	x: 0.562 m η = 7.7	x: 0.066 m η = 17.6	η = 1.0	x: 0.066 m η = 15.3	x: 0.066 m η = 5.9	x: 0.315 m η = 2.1	η = 5.5	x: 0.066 m η = 15.3	x: 0.066 m η = 6.0	x: 0.066 m η = 2.6	x: 0.066 m η = 0.4	x: 0.066 m η = 30.0	x: 0.066 m η = 38.3	x: 0.066 m η = 37.7	**CUMPLE h = 38.3**
N271/N272	w / t ≤ (w / t)máx. Cumple	x: 0.286 m η = 3.7	x: 0.286 m η = 13.1	η = 1.3	x: 0.037 m η = 14.7	x: 0.037 m η = 4.6	x: 0.286 m η = 1.7	x: 0.037 m η = 4.7	x: 0.037 m η = 15.3	x: 0.037 m η = 5.1	x: 0.037 m η = 2.6	x: 0.037 m η = 0.3	x: 0.037 m η = 24.4	x: 0.037 m η = 33.2	x: 0.037 m η = 32.0	**CUMPLE h = 33.2**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_x	M_yV_x	MT	MP	TPTrMV	
N272/N273	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.067 m η = 2.0	x: 0.067 m η = 8.6	η = 0.8	x: 0.563 m η = 13.6	x: 0.066 m η = 4.3	x: 0.066 m η = 1.6	x: 0.315 m η = 5.1	x: 0.563 m η = 13.9	x: 0.066 m η = 4.5	x: 0.563 m η = 2.2	x: 0.066 m η = 0.2	x: 0.563 m η = 13.1	x: 0.066 m η = 22.1	x: 0.563 m η = 22.8	**CUMPLE h = 22.8**
N273/N274	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 3.6	x: 0.037 m η = 10.1	η = 0.9	x: 0.037 m η = 13.6	x: 0.534 m η = 4.5	η = 1.3	x: 0.038 m η = 5.0	x: 0.037 m η = 13.9	x: 0.534 m η = 4.7	x: 0.037 m η = 2.2	x: 0.534 m η = 0.2	x: 0.037 m η = 19.2	x: 0.037 m η = 23.5	x: 0.037 m η = 24.1	**CUMPLE h = 24.1**
N274/N275	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 13.9	x: 0.562 m η = 18.8	η = 1.2	x: 0.563 m η = 14.5	x: 0.563 m η = 5.9	x: 0.562 m η = 1.9	η = 4.7	x: 0.563 m η = 15.0	x: 0.563 m η = 6.1	x: 0.563 m η = 2.5	x: 0.563 m η = 0.4	x: 0.563 m η = 29.5	x: 0.563 m η = 33.6	x: 0.563 m η = 31.6	**CUMPLE h = 33.6**
N275/N276	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 16.7	x: 0.533 m η = 21.6	η = 0.8	x: 0.534 m η = 13.7	x: 0.534 m η = 7.4	η = 2.4	η = 4.9	x: 0.534 m η = 13.8	x: 0.534 m η = 7.5	x: 0.534 m η = 2.1	x: 0.534 m η = 0.6	x: 0.534 m η = 31.0	x: 0.534 m η = 36.8	x: 0.534 m η = 34.8	**CUMPLE h = 36.8**
N276/N236	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.067 m η = 25.4	x: 0.067 m η = 29.1	η = 1.1	x: 0.551 m η = 27.5	x: 0.551 m η = 15.0	x: 0.067 m η = 4.2	x: 0.55 m η = 6.4	x: 0.551 m η = 28.0	x: 0.551 m η = 15.1	x: 0.551 m η = 8.2	x: 0.551 m η = 2.4	x: 0.551 m η = 59.1	x: 0.551 m η = 58.9	x: 0.551 m η = 56.9	**CUMPLE h = 59.1**
N236/N188	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.441 m η = 18.9	x: 0.049 m η = 21.9	η = 0.9	x: 0.049 m η = 35.1	x: 0.049 m η = 10.6	x: 0.246 m η = 4.6	η = 16.2	x: 0.049 m η = 35.5	x: 0.049 m η = 10.7	x: 0.049 m η = 15.2	x: 0.049 m η = 1.4	x: 0.049 m η = 58.9	x: 0.049 m η = 49.6	x: 0.049 m η = 55.5	**CUMPLE h = 58.9**
N277/N278	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 24.2	x: 0 m η = 33.1	η = 1.1	x: 0 m η = 28.3	x: 0 m η = 24.4	η = 6.3	x: 0.282 m η = 6.6	x: 0 m η = 28.3	x: 0 m η = 24.7	x: 0 m η = 8.5	x: 0 m η = 6.5	x: 0 m η = 61.4	x: 0 m η = 64.8	x: 0 m η = 67.9	**CUMPLE h = 67.9**
N278/N279	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 19.9	x: 0.037 m η = 28.4	η = 1.4	x: 0.037 m η = 18.4	x: 0.534 m η = 7.6	η = 2.7	η = 5.1	x: 0.037 m η = 18.9	x: 0.534 m η = 8.1	x: 0.037 m η = 3.8	x: 0.534 m η = 0.7	x: 0.037 m η = 47.4	x: 0.037 m η = 53.1	x: 0.037 m η = 51.4	**CUMPLE h = 53.1**
N279/N280	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 13.0	x: 0.066 m η = 23.4	η = 1.8	x: 0.066 m η = 19.2	x: 0.066 m η = 8.1	x: 0.066 m η = 2.9	x: 0.067 m η = 6.6	x: 0.066 m η = 20.0	x: 0.066 m η = 8.7	x: 0.066 m η = 4.4	x: 0.066 m η = 0.8	x: 0.066 m η = 42.8	x: 0.066 m η = 51.4	x: 0.066 m η = 48.4	**CUMPLE h = 51.4**
N280/N281	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 9.7	x: 0.037 m η = 19.9	η = 1.0	x: 0.037 m η = 17.3	x: 0.037 m η = 5.6	η = 1.8	x: 0.286 m η = 5.5	x: 0.037 m η = 17.3	x: 0.037 m η = 5.8	x: 0.037 m η = 3.3	x: 0.037 m η = 0.4	x: 0.037 m η = 32.7	x: 0.037 m η = 40.9	x: 0.037 m η = 40.6	**CUMPLE h = 40.9**
N281/N282	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 2.1	x: 0.066 m η = 14.2	η = 1.3	x: 0.066 m η = 16.5	x: 0.066 m η = 4.9	x: 0.315 m η = 1.8	x: 0.066 m η = 6.2	x: 0.066 m η = 17.1	x: 0.066 m η = 5.4	x: 0.066 m η = 3.3	x: 0.066 m η = 0.3	x: 0.066 m η = 25.6	x: 0.066 m η = 36.3	x: 0.066 m η = 35.2	**CUMPLE h = 36.3**
N282/N283	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	x: 0.037 m η = 11.0	η = 0.8	x: 0.037 m η = 16.5	x: 0.037 m η = 4.4	η = 1.6	x: 0.286 m η = 5.8	x: 0.037 m η = 16.8	x: 0.037 m η = 4.6	x: 0.037 m η = 3.1	x: 0.037 m η = 0.2	N.P.[4]	x: 0.037 m η = 28.6	x: 0.037 m η = 29.7	**CUMPLE h = 29.7**
N283/N284	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	x: 0.066 m η = 13.7	η = 0.8	x: 0.563 m η = 16.0	x: 0.563 m η = 4.2	η = 1.1	x: 0.067 m η = 5.8	x: 0.563 m η = 16.3	x: 0.563 m η = 4.4	x: 0.563 m η = 3.0	x: 0.563 m η = 0.2	N.P.[4]	x: 0.563 m η = 32.2	x: 0.563 m η = 32.4	**CUMPLE h = 32.4**
N284/N285	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 2.2	x: 0.037 m η = 17.1	η = 1.2	x: 0.534 m η = 16.1	x: 0.534 m η = 6.0	x: 0.038 m η = 1.9	η = 6.1	x: 0.534 m η = 16.6	x: 0.534 m η = 6.1	x: 0.534 m η = 3.1	x: 0.534 m η = 0.4	x: 0.534 m η = 26.4	x: 0.534 m η = 38.3	x: 0.534 m η = 37.5	**CUMPLE h = 38.3**
N285/N286	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.563 m η = 7.4	x: 0.563 m η = 25.2	η = 0.8	x: 0.563 m η = 16.1	x: 0.563 m η = 5.8	x: 0.066 m η = 1.9	x: 0.067 m η = 5.0	x: 0.563 m η = 16.2	x: 0.563 m η = 5.8	x: 0.563 m η = 2.9	x: 0.563 m η = 0.4	x: 0.563 m η = 28.9	x: 0.563 m η = 46.0	x: 0.563 m η = 45.0	**CUMPLE h = 46.0**
N286/N237	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 9.6	x: 0.037 m η = 27.8	η = 1.2	x: 0.534 m η = 28.2	x: 0.534 m η = 13.2	η = 2.7	x: 0.037 m η = 6.9	x: 0.534 m η = 28.7	x: 0.534 m η = 13.3	x: 0.534 m η = 8.7	x: 0.534 m η = 1.8	x: 0.534 m η = 52.9	x: 0.534 m η = 59.0	x: 0.534 m η = 62.7	**CUMPLE h = 62.7**
N237/N189	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.445 m η = 4.7	x: 0.066 m η = 13.3	x: 0.256 m η = 0.5	x: 0.066 m η = 29.2	x: 0.066 m η = 13.0	η = 6.0	x: 0.256 m η = 14.5	x: 0.066 m η = 29.3	x: 0.066 m η = 13.2	x: 0.066 m η = 10.6	x: 0.066 m η = 2.1	x: 0.066 m η = 46.2	x: 0.066 m η = 43.4	x: 0.066 m η = 49.3	**CUMPLE h = 49.3**
N287/N288	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.534 m η = 26.3	x: 0.534 m η = 43.8	η = 1.1	x: 0 m η = 27.7	x: 0 m η = 25.6	x: 0.533 m η = 6.9	η = 6.1	x: 0 m η = 27.9	x: 0 m η = 25.8	x: 0 m η = 8.2	x: 0 m η = 7.2	x: 0 m η = 67.2	x: 0 m η = 82.7	x: 0 m η = 78.0	**CUMPLE h = 82.7**
N288/N289	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 17.5	x: 0.315 m η = 31.3	x: 0.562 m η = 1.5	x: 0.066 m η = 18.7	x: 0.563 m η = 6.8	η = 2.2	η = 6.1	x: 0.066 m η = 19.3	x: 0.563 m η = 7.4	x: 0.066 m η = 4.1	x: 0.563 m η = 0.6	x: 0.066 m η = 45.2	x: 0.066 m η = 55.6	x: 0.066 m η = 54.6	**CUMPLE h = 55.6**
N289/N290	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.038 m η = 14.4	x: 0.038 m η = 27.8	η = 1.8	x: 0.037 m η = 15.5	x: 0.037 m η = 7.6	η = 2.7	η = 4.4	x: 0.037 m η = 16.3	x: 0.037 m η = 8.3	x: 0.037 m η = 2.9	x: 0.037 m η = 0.8	x: 0.037 m η = 38.3	x: 0.037 m η = 50.7	x: 0.037 m η = 47.3	**CUMPLE h = 50.7**
N290/N291	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 7.8	x: 0.066 m η = 18.0	η = 1.0	x: 0.066 m η = 15.4	x: 0.066 m η = 5.9	x: 0.066 m η = 2.0	η = 5.5	x: 0.066 m η = 15.5	x: 0.066 m η = 6.1	x: 0.066 m η = 2.7	x: 0.066 m η = 0.4	x: 0.066 m η = 30.4	x: 0.066 m η = 39.0	x: 0.066 m η = 38.3	**CUMPLE h = 39.0**
N291/N292	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.286 m η = 3.9	x: 0.286 m η = 13.4	η = 1.3	x: 0.037 m η = 14.8	x: 0.037 m η = 4.7	x: 0.286 m η = 1.7	x: 0.037 m η = 4.7	x: 0.037 m η = 15.3	x: 0.037 m η = 5.2	x: 0.037 m η = 2.6	x: 0.037 m η = 0.3	x: 0.037 m η = 24.7	x: 0.037 m η = 33.8	x: 0.037 m η = 32.5	**CUMPLE h = 33.8**
N292/N293	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 1.8	x: 0.067 m η = 8.5	η = 0.9	x: 0.563 m η = 13.7	x: 0.066 m η = 4.4	x: 0.066 m η = 1.6	x: 0.315 m η = 5.1	x: 0.563 m η = 13.9	x: 0.066 m η = 4.6	x: 0.563 m η = 2.2	x: 0.066 m η = 0.2	x: 0.563 m η = 12.4	x: 0.066 m η = 22.6	x: 0.563 m η = 23.1	**CUMPLE h = 23.1**
N293/N294	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 3.2	x: 0.037 m η = 9.9	η = 0.8	x: 0.037 m η = 13.8	x: 0.534 m η = 4.6	η = 1.3	x: 0.533 m η = 5.0	x: 0.037 m η = 14.1	x: 0.534 m η = 4.7	x: 0.037 m η = 2.3	x: 0.534 m η = 0.2	x: 0.037 m η = 19.5	x: 0.037 m η = 23.6	x: 0.037 m η = 24.3	**CUMPLE h = 24.3**
N294/N295	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 13.7	x: 0.562 m η = 18.7	η = 1.1	x: 0.563 m η = 14.9	x: 0.563 m η = 5.9	x: 0.562 m η = 1.9	x: 0.066 m η = 4.9	x: 0.563 m η = 15.3	x: 0.563 m η = 6.1	x: 0.563 m η = 2.6	x: 0.563 m η = 0.4	x: 0.563 m η = 29.6	x: 0.563 m η = 33.7	x: 0.563 m η = 31.7	**CUMPLE h = 33.7**
N295/N296	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 16.6	x: 0.533 m η = 21.6	η = 0.8	x: 0.534 m η = 14.3	x: 0.534 m η = 7.5	η = 2.4	η = 5.1	x: 0.534 m η = 14.3	x: 0.534 m η = 7.6	x: 0.534 m η = 2.3	x: 0.534 m η = 0.6	x: 0.534 m η = 31.2	x: 0.534 m η = 37.6	x: 0.534 m η = 35.7	**CUMPLE h = 37.6**
N296/N254	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.55 m η = 25.4	x: 0.066 m η = 29.1	η = 1.2	x: 0.551 m η = 28.4	x: 0.551 m η = 15.1	η = 4.2	x: 0.55 m η = 6.6	x: 0.551 m η = 28.8	x: 0.551 m η = 15.2	x: 0.551 m η = 8.8	x: 0.551 m η = 2.5	x: 0.551 m η = 60.6	x: 0.551 m η = 60.5	x: 0.551 m η = 58.5	**CUMPLE h = 60.6**
N254/N206	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.441 m η = 19.0	x: 0.049 m η = 22.1	η = 1.0	x: 0.049 m η = 35.6	x: 0.049 m η = 10.7	x: 0.246 m η = 4.7	η = 16.5	x: 0.049 m η = 36.0	x: 0.049 m η = 10.8	x: 0.049 m η = 15.7	x: 0.049 m η = 1.4	x: 0.049 m η = 60.0	x: 0.049 m η = 50.5	x: 0.049 m η = 56.5	**CUMPLE h = 60.0**
N297/N298	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 24.2	x: 0 m η = 33.3	η = 1.1	x: 0 m η = 28.8	x: 0 m η = 24.3	η = 6.2	x: 0.282 m η = 6.7	x: 0 m η = 28.9	x: 0 m η = 24.6	x: 0 m η = 8.8	x: 0 m η = 6.4	x: 0 m η = 61.7	x: 0 m η = 65.9	x: 0 m η = 68.8	**CUMPLE h = 68.8**
N298/N299	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 19.8	x: 0.037 m η = 28.6	η = 1.4	x: 0.037 m η = 18.2	x: 0.534 m η = 7.7	η = 2.7	η = 5.0	x: 0.037 m η = 18.7	x: 0.534 m η = 8.2	x: 0.037 m η = 3.7	x: 0.534 m η = 0.7	x: 0.037 m η = 47.2	x: 0.037 m η = 53.3	x: 0.037 m η = 51.4	**CUMPLE h = 53.3**
N299/N300	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 13.0	x: 0.066 m η = 23.7	η = 1.8	x: 0.066 m η = 19.1	x: 0.066 m η = 8.1	x: 0.066 m η = 2.9	x: 0.067 m η = 6.5	x: 0.066 m η = 19.9	x: 0.066 m η = 8.9	x: 0.066 m η = 4.4	x: 0.066 m η = 0.9	x: 0.066 m η = 42.9	x: 0.066 m η = 51.8	x: 0.066 m η = 48.8	**CUMPLE h = 51.8**
N300/N301	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 9.7	x: 0.037 m η = 20.2	η = 1.0	x: 0.037 m η = 17.3	x: 0.037 m η = 5.6	η = 1.9	x: 0.286 m η = 5.4	x: 0.037 m η = 17.3	x: 0.037 m η = 5.8	x: 0.037 m η = 3.3	x: 0.037 m η = 0.4	x: 0.037 m η = 32.8	x: 0.037 m η = 41.3	x: 0.037 m η = 40.9	**CUMPLE h = 41.3**
N301/N302	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 2.1	x: 0.066 m η = 14.5	η = 1.3	x: 0.066 m η = 16.6	x: 0.066 m η = 5.0	x: 0.315 m η = 1.8	x: 0.066 m η = 6.2	x: 0.066 m η = 17.1	x: 0.066 m η = 5.5	x: 0.066 m η = 3.3	x: 0.066 m η = 0.3	x: 0.066 m η = 25.7	x: 0.066 m η = 36.8	x: 0.066 m η = 35.6	**CUMPLE h = 36.8**
N302/N303	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	x: 0.037 m η = 11.3	η = 0.8	x: 0.037 m η = 16.5	x: 0.037 m η = 4.5	η = 1.6	x: 0.286 m η = 5.8	x: 0.037 m η = 16.8	x: 0.037 m η = 4.7	x: 0.037 m η = 3.1	x: 0.037 m η = 0.2	N.P.[4]	x: 0.037 m η = 29.0	x: 0.037 m η = 30.2	**CUMPLE h = 30.2**
N303/N304	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	x: 0.066 m η = 13.7	η = 0.8	x: 0.563 m η = 16.2	x: 0.563 m η = 4.3	η = 1.2	x: 0.067 m η = 5.9	x: 0.563 m η = 16.5	x: 0.563 m η = 4.5	x: 0.563 m η = 3.1	x: 0.563 m η = 0.2	N.P.[4]	x: 0.563 m η = 32.4	x: 0.563 m η = 32.7	**CUMPLE h = 32.7**
N304/N305	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 2.0	x: 0.037 m η = 17.1	η = 1.2	x: 0.534 m η = 16.2	x: 0.534 m η = 6.0	x: 0.038 m η = 1.9	x: 0.037 m η = 6.2	x: 0.534 m η = 16.7	x: 0.534 m η = 6.1	x: 0.534 m η = 3.2	x: 0.534 m η = 0.4	x: 0.534 m η = 26.1	x: 0.534 m η = 38.4	x: 0.534 m η = 37.7	**CUMPLE h = 38.4**
N305/N306	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.563 m η = 7.3	x: 0.563 m η = 25.5	η = 0.8	x: 0.563 m η = 16.6	x: 0.563 m η = 5.8	x: 0.066 m η = 1.9	x: 0.067 m η = 5.2	x: 0.563 m η = 16.6	x: 0.563 m η = 5.9	x: 0.563 m η = 3.0	x: 0.563 m η = 0.4	x: 0.563 m η = 29.4	x: 0.563 m η = 46.7	x: 0.563 m η = 45.8	**CUMPLE h = 46.7**
N306/N253	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 9.6	x: 0.037 m η = 28.2	η = 1.1	x: 0.534 m η = 29.0	x: 0.534 m η = 13.4	η = 2.8	x: 0.037 m η = 7.1	x: 0.534 m η = 29.5	x: 0.534 m η = 13.5	x: 0.534 m η = 9.2	x: 0.534 m η = 1.9	x: 0.534 m η = 54.1	x: 0.534 m η = 60.2	x: 0.534 m η = 64.1	**CUMPLE h = 64.1**
N253/N205	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.445 m η = 4.7	x: 0.066 m η = 13.3	η = 0.5	x: 0.066 m η = 29.9	x: 0.066 m η = 13.1	η = 6.1	x: 0.256 m η = 14.8	x: 0.066 m η = 30.0	x: 0.066 m η = 13.4	x: 0.066 m η = 11.2	x: 0.066 m η = 2.2	x: 0.066 m η = 47.2	x: 0.066 m η = 44.2	x: 0.066 m η = 50.3	**CUMPLE h = 50.3**
N188/N307	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.277 m η = 2.7	x: 0.277 m η = 10.3	η = 1.6	x: 0.058 m η = 9.1	x: 0.278 m η = 4.9	η = 3.2	η = 2.1	x: 0.058 m η = 9.8	x: 0.058 m η = 5.6	x: 0.058 m η = 1.0	x: 0.058 m η = 0.4	x: 0.058 m η = 17.9	x: 0.058 m η = 24.3	x: 0.058 m η = 21.8	**CUMPLE h = 24.3**
N307/N308	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.048 m η = 1.5	x: 0.048 m η = 7.4	x: 0.047 m η = 1.0	x: 0.288 m η = 6.1	x: 0.288 m η = 2.2	x: 0.048 m η = 1.3	x: 0.047 m η = 4.3	x: 0.288 m η = 6.2	x: 0.288 m η = 2.6	x: 0.288 m η = 0.6	x: 0.288 m η = 0.1	x: 0.047 m η = 4.8	x: 0.288 m η = 14.8	x: 0.288 m η = 15.0	**CUMPLE h = 15.0**
N308/N309	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 1.3	x: 0.037 m η = 8.5	η = 2.0	x: 0.487 m η = 1.4	x: 0.488 m η = 1.9	x: 0.487 m η = 0.6	x: 0.037 m η = 0.3	x: 0.037 m η = 1.8	x: 0.488 m η = 2.1	x: 0.037 m η < 0.1	x: 0.488 m η < 0.1	x: 0.488 m η = 3.4	x: 0.037 m η = 10.8	x: 0.037 m η = 10.0	**CUMPLE h = 10.8**
N309/N310	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.513 m η = 1.4	x: 0.513 m η = 10.7	x: 0.287 m η = 2.8	x: 0.513 m η = 2.1	x: 0.062 m η = 4.7	x: 0.287 m η = 1.9	x: 0.062 m η = 0.7	x: 0.513 m η = 3.1	x: 0.062 m η = 5.9	x: 0.513 m η = 0.1	x: 0.062 m η = 0.4	x: 0.513 m η = 6.4	x: 0.513 m η = 17.1	x: 0.062 m η = 14.7	**CUMPLE h = 17.1**
N310/N311	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 1.3	x: 0.037 m η = 10.6	x: 0.487 m η = 2.4	x: 0.037 m η = 2.9	x: 0.488 m η = 4.3	x: 0.037 m η = 1.6	x: 0.488 m η = 1.0	x: 0.037 m η = 3.9	x: 0.488 m η = 5.4	x: 0.037 m η = 0.2	x: 0.488 m η = 0.3	x: 0.488 m η = 9.3	x: 0.488 m η = 18.4	x: 0.488 m η = 15.9	**CUMPLE h = 18.4**
N311/N312	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 0.7	x: 0.062 m η = 9.2	x: 0.062 m η = 2.2	x: 0.513 m η = 1.9	x: 0.513 m η = 4.5	x: 0.062 m η = 1.7	x: 0.062 m η = 0.6	x: 0.513 m η = 2.4	x: 0.513 m η = 5.4	x: 0.513 m η = 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 7.9	x: 0.513 m η = 16.5	x: 0.513 m η = 14.5	**CUMPLE h = 16.5**
N312/N313	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 1.3	x: 0.037 m η = 9.8	x: 0.037 m η = 2.4	x: 0.037 m η = 3.2	x: 0.488 m η = 5.3	x: 0.037 m η = 1.9	x: 0.488 m η = 1.2	x: 0.037 m η = 4.2	x: 0.488 m η = 6.3	x: 0.037 m η = 0.2	x: 0.488 m η = 0.4	x: 0.488 m η = 11.5	x: 0.488 m η = 19.4	x: 0.488 m η = 16.9	**CUMPLE h = 19.4**
N313/N314	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 1.3	x: 0.512 m η = 7.5	x: 0.062 m η = 2.0	x: 0.513 m η = 1.4	x: 0.513 m η = 4.3	x: 0.062 m η = 1.5	x: 0.062 m η = 0.4	x: 0.513 m η = 2.0	x: 0.513 m η = 5.1	x: 0.513 m η < 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 8.4	x: 0.513 m η = 14.4	x: 0.513 m η = 12.7	**CUMPLE h = 14.4**
N314/N315	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 2.2	x: 0.037 m η = 8.3	x: 0.037 m η = 2.2	x: 0.037 m η = 3.2	x: 0.488 m η = 4.8	x: 0.037 m η = 1.7	x: 0.488 m η = 1.4	x: 0.037 m η = 4.2	x: 0.488 m η = 5.8	x: 0.037 m η = 0.2	x: 0.488 m η = 0.4	x: 0.488 m η = 12.0	x: 0.488 m η = 18.0	x: 0.488 m η = 15.4	**CUMPLE h = 18.0**
N315/N316	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 2.0	x: 0.512 m η = 4.3	x: 0.062 m η = 1.5	x: 0.062 m η = 1.0	x: 0.513 m η = 3.5	x: 0.063 m η = 1.1	x: 0.062 m η = 0.3	x: 0.062 m η = 1.6	x: 0.513 m η = 4.1	x: 0.062 m η < 0.1	x: 0.513 m η = 0.2	x: 0.513 m η = 7.9	x: 0.513 m η = 8.9	x: 0.513 m η = 7.9	**CUMPLE h = 8.9**
N316/N317	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.52 m η = 2.5	x: 0.037 m η = 4.4	x: 0.038 m η = 1.4	x: 0.521 m η = 5.1	x: 0.521 m η = 3.8	x: 0.038 m η = 1.0	x: 0.521 m η = 1.7	x: 0.521 m η = 5.6	x: 0.521 m η = 4.4	x: 0.521 m η = 0.3	x: 0.521 m η = 0.2	x: 0.521 m η = 10.6	x: 0.521 m η = 13.8	x: 0.521 m η = 12.0	**CUMPLE h = 13.8**
N318/N319	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.048 m η = 1.5	x: 0.048 m η = 7.6	x: 0.047 m η = 1.0	x: 0.288 m η = 6.3	x: 0.288 m η = 2.1	x: 0.048 m η = 1.3	x: 0.047 m η = 4.4	x: 0.288 m η = 6.4	x: 0.288 m η = 2.5	x: 0.288 m η = 0.6	x: 0.288 m η = 0.1	x: 0.288 m η = 4.8	x: 0.288 m η = 15.3	x: 0.288 m η = 15.5	**CUMPLE h = 15.5**
N319/N320	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 1.3	x: 0.037 m η = 8.7	x: 0.037 m η = 0.7	x: 0.037 m η = 1.4	x: 0.488 m η = 2.0	x: 0.487 m η = 0.7	x: 0.037 m η = 0.3	x: 0.037 m η = 1.6	x: 0.488 m η = 2.0	x: 0.037 m η < 0.1	x: 0.488 m η < 0.1	x: 0.037 m η = 3.6	x: 0.037 m η = 10.8	x: 0.037 m η = 10.5	**CUMPLE h = 10.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N320/N321	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.513 m η = 1.4	x: 0.513 m η = 10.8	x: 0.062 m η = 1.9	x: 0.513 m η = 2.1	x: 0.513 m η = 3.6	x: 0.062 m η = 1.5	x: 0.062 m η = 0.7	x: 0.513 m η = 2.5	x: 0.513 m η = 4.4	x: 0.513 m η = 0.1	x: 0.513 m η = 0.2	x: 0.513 m η = 6.3	x: 0.513 m η = 16.4	x: 0.513 m η = 14.4	**CUMPLE h = 16.4**
N321/N322	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.037 m η = 1.3	x: 0.037 m η = 10.7	x: 0.037 m η = 2.3	x: 0.037 m η = 2.9	x: 0.488 m η = 4.2	x: 0.037 m η = 1.6	x: 0.488 m η = 1.1	x: 0.037 m η = 3.9	x: 0.488 m η = 5.2	x: 0.037 m η = 0.2	x: 0.488 m η = 0.3	x: 0.488 m η = 9.5	x: 0.488 m η = 18.3	x: 0.488 m η = 16.0	**CUMPLE h = 18.3**
N322/N323	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 0.7	x: 0.062 m η = 9.2	x: 0.062 m η = 2.1	x: 0.513 m η = 1.9	x: 0.513 m η = 4.3	x: 0.062 m η = 1.7	x: 0.062 m η = 0.6	x: 0.513 m η = 2.4	x: 0.513 m η = 5.2	x: 0.513 m η = 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 7.8	x: 0.513 m η = 16.6	x: 0.513 m η = 14.6	**CUMPLE h = 16.6**
N323/N324	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.487 m η = 1.4	x: 0.037 m η = 10.0	x: 0.037 m η = 2.3	x: 0.037 m η = 3.2	x: 0.488 m η = 5.1	x: 0.037 m η = 1.9	x: 0.488 m η = 1.2	x: 0.037 m η = 4.2	x: 0.488 m η = 6.1	x: 0.037 m η = 0.2	x: 0.488 m η = 0.4	x: 0.488 m η = 11.5	x: 0.488 m η = 19.4	x: 0.488 m η = 16.9	**CUMPLE h = 19.4**
N324/N325	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 1.4	x: 0.512 m η = 7.7	x: 0.062 m η = 1.9	x: 0.513 m η = 1.4	x: 0.513 m η = 4.2	x: 0.062 m η = 1.5	x: 0.062 m η = 0.5	x: 0.513 m η = 2.1	x: 0.513 m η = 4.9	x: 0.513 m η < 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 8.4	x: 0.513 m η = 14.4	x: 0.513 m η = 12.7	**CUMPLE h = 14.4**
N325/N326	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.487 m η = 2.3	x: 0.037 m η = 8.5	x: 0.037 m η = 2.2	x: 0.037 m η = 3.3	x: 0.488 m η = 4.7	x: 0.037 m η = 1.6	x: 0.488 m η = 1.4	x: 0.037 m η = 4.1	x: 0.488 m η = 5.6	x: 0.037 m η = 0.2	x: 0.488 m η = 0.3	x: 0.488 m η = 11.9	x: 0.488 m η = 17.8	x: 0.488 m η = 15.3	**CUMPLE h = 17.8**
N326/N327	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 2.0	x: 0.512 m η = 4.4	x: 0.062 m η = 1.4	x: 0.062 m η = 1.0	x: 0.513 m η = 3.3	x: 0.063 m η = 1.1	x: 0.062 m η = 0.3	x: 0.062 m η = 1.6	x: 0.513 m η = 3.9	x: 0.062 m η < 0.1	x: 0.513 m η = 0.2	x: 0.513 m η = 7.8	x: 0.513 m η = 8.8	x: 0.513 m η = 7.8	**CUMPLE h = 8.8**
N327/N317	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.52 m η = 2.5	x: 0.037 m η = 4.4	x: 0.038 m η = 1.4	x: 0.521 m η = 5.1	x: 0.521 m η = 3.6	x: 0.038 m η = 1.0	x: 0.521 m η = 1.7	x: 0.521 m η = 5.6	x: 0.521 m η = 4.2	x: 0.521 m η = 0.3	x: 0.521 m η = 0.2	x: 0.521 m η = 10.4	x: 0.521 m η = 13.6	x: 0.521 m η = 11.9	**CUMPLE h = 13.6**
N205/N328	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 5.3	x: 0.218 m η = 6.0	x: 0.513 m η = 5.5	x: 0.218 m η = 13.0	x: 0.218 m η = 3.8	η = 1.3	x: 0.365 m η = 5.4	x: 0.218 m η = 14.7	x: 0.513 m η = 5.4	x: 0.218 m η = 2.4	x: 0.513 m η = 0.3	x: 0.218 m η = 23.2	x: 0.218 m η = 21.0	x: 0.218 m η = 20.3	**CUMPLE h = 23.2**
N328/N329	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.487 m η = 4.9	x: 0.037 m η = 5.6	η = 2.4	x: 0.488 m η = 3.0	x: 0.037 m η = 5.2	x: 0.487 m η = 2.0	x: 0.037 m η = 1.2	x: 0.037 m η = 3.6	x: 0.037 m η = 6.2	x: 0.037 m η = 0.1	x: 0.037 m η = 0.4	x: 0.037 m η = 12.2	x: 0.037 m η = 13.6	x: 0.037 m η = 11.1	**CUMPLE h = 13.6**
N329/N330	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 3.8	x: 0.062 m η = 4.5	η = 2.4	x: 0.062 m η = 3.2	x: 0.062 m η = 3.5	η = 1.3	x: 0.513 m η = 1.2	x: 0.062 m η = 4.3	x: 0.062 m η = 4.6	x: 0.062 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 10.5	x: 0.062 m η = 13.2	x: 0.062 m η = 10.3	**CUMPLE h = 13.2**
N330/N331	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.487 m η = 3.5	x: 0.037 m η = 4.1	η = 2.0	x: 0.488 m η = 2.1	x: 0.037 m η = 3.0	x: 0.037 m η = 1.1	x: 0.037 m η = 0.7	x: 0.488 m η = 2.6	x: 0.037 m η = 3.9	x: 0.488 m η = 0.1	x: 0.037 m η = 0.2	x: 0.037 m η = 8.9	x: 0.037 m η = 9.4	x: 0.037 m η = 7.6	**CUMPLE h = 9.4**
N331/N332	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 3.7	x: 0.062 m η = 5.6	η = 2.4	x: 0.062 m η = 3.2	x: 0.062 m η = 3.7	η = 1.2	x: 0.513 m η = 1.3	x: 0.062 m η = 4.2	x: 0.062 m η = 4.7	x: 0.062 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 11.3	x: 0.062 m η = 14.5	x: 0.062 m η = 11.6	**CUMPLE h = 14.5**
N332/N333	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.038 m η = 3.1	x: 0.038 m η = 5.1	η = 1.8	x: 0.488 m η = 1.6	x: 0.037 m η = 2.8	x: 0.037 m η = 1.0	x: 0.037 m η = 0.5	x: 0.488 m η = 2.2	x: 0.037 m η = 3.6	x: 0.488 m η = 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 8.9	x: 0.037 m η = 10.3	x: 0.037 m η = 8.7	**CUMPLE h = 10.3**
N333/N334	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.287 m η = 3.6	x: 0.287 m η = 8.3	x: 0.287 m η = 2.1	x: 0.513 m η = 3.3	x: 0.062 m η = 3.5	x: 0.287 m η = 1.2	x: 0.513 m η = 1.4	x: 0.513 m η = 4.2	x: 0.062 m η = 4.4	x: 0.513 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 11.3	x: 0.062 m η = 16.7	x: 0.062 m η = 14.1	**CUMPLE h = 16.7**
N334/N335	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.484 m η = 3.0	x: 0.484 m η = 7.8	η = 1.5	x: 0.485 m η = 1.5	x: 0.037 m η = 2.4	x: 0.484 m η = 0.7	x: 0.037 m η = 0.6	x: 0.485 m η = 2.1	x: 0.037 m η = 3.0	x: 0.485 m η < 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 7.9	x: 0.037 m η = 12.6	x: 0.037 m η = 11.1	**CUMPLE h = 12.6**
N335/N336	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.464 m η = 4.0	x: 0.464 m η = 12.8	η = 1.5	x: 0.465 m η = 7.5	x: 0.065 m η = 2.3	x: 0.464 m η = 0.7	x: 0.465 m η = 3.0	x: 0.465 m η = 8.1	x: 0.065 m η = 2.9	x: 0.465 m η = 0.7	x: 0.065 m η = 0.1	x: 0.065 m η = 10.7	x: 0.465 m η = 22.1	x: 0.465 m η = 22.2	**CUMPLE h = 22.2**
N189/N337	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 5.1	x: 0.218 m η = 5.9	x: 0.513 m η = 5.5	x: 0.218 m η = 12.4	x: 0.218 m η = 3.2	η = 1.0	x: 0.513 m η = 5.0	x: 0.218 m η = 13.8	x: 0.513 m η = 4.8	x: 0.218 m η = 2.1	x: 0.513 m η = 0.2	x: 0.218 m η = 22.5	x: 0.218 m η = 20.0	x: 0.218 m η = 19.6	**CUMPLE h = 22.5**
N337/N338	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.487 m η = 4.7	x: 0.037 m η = 5.7	η = 2.1	x: 0.488 m η = 2.9	x: 0.037 m η = 5.1	x: 0.487 m η = 1.9	x: 0.037 m η = 1.1	x: 0.488 m η = 3.3	x: 0.037 m η = 6.0	x: 0.488 m η = 0.1	x: 0.037 m η = 0.4	x: 0.037 m η = 11.8	x: 0.037 m η = 12.8	x: 0.037 m η = 10.6	**CUMPLE h = 12.8**
N338/N339	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 3.7	x: 0.062 m η = 4.5	η = 2.4	x: 0.062 m η = 3.2	x: 0.062 m η = 3.3	η = 1.3	x: 0.513 m η = 1.2	x: 0.062 m η = 4.2	x: 0.062 m η = 4.4	x: 0.062 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 9.9	x: 0.062 m η = 12.7	x: 0.062 m η = 9.8	**CUMPLE h = 12.7**
N339/N340	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.487 m η = 3.4	x: 0.037 m η = 4.2	x: 0.487 m η = 2.1	x: 0.488 m η = 2.1	x: 0.037 m η = 2.9	x: 0.037 m η = 1.1	x: 0.037 m η = 0.7	x: 0.488 m η = 2.6	x: 0.037 m η = 3.9	x: 0.488 m η = 0.1	x: 0.037 m η = 0.2	x: 0.037 m η = 8.4	x: 0.037 m η = 9.2	x: 0.037 m η = 7.5	**CUMPLE h = 9.2**
N340/N341	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.512 m η = 3.5	x: 0.062 m η = 5.5	η = 2.4	x: 0.062 m η = 3.2	x: 0.062 m η = 3.6	η = 1.2	x: 0.513 m η = 1.2	x: 0.062 m η = 4.2	x: 0.062 m η = 4.7	x: 0.062 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 10.9	x: 0.062 m η = 14.4	x: 0.062 m η = 11.5	**CUMPLE h = 14.4**
N341/N342	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.038 m η = 3.0	x: 0.038 m η = 5.0	η = 1.9	x: 0.488 m η = 1.6	x: 0.037 m η = 2.8	x: 0.037 m η = 1.0	x: 0.037 m η = 0.5	x: 0.488 m η = 2.2	x: 0.037 m η = 3.7	x: 0.488 m η < 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 8.6	x: 0.037 m η = 10.3	x: 0.037 m η = 8.6	**CUMPLE h = 10.3**
N342/N343	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.287 m η = 3.4	x: 0.287 m η = 8.2	x: 0.287 m η = 2.2	x: 0.513 m η = 3.3	x: 0.062 m η = 3.5	x: 0.287 m η = 1.2	x: 0.513 m η = 1.4	x: 0.513 m η = 4.2	x: 0.062 m η = 4.5	x: 0.513 m η = 0.2	x: 0.062 m η = 0.2	x: 0.062 m η = 11.0	x: 0.062 m η = 16.7	x: 0.062 m η = 14.0	**CUMPLE h = 16.7**
N343/N344	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.484 m η = 2.9	x: 0.484 m η = 7.8	η = 1.5	x: 0.485 m η = 1.5	x: 0.037 m η = 2.3	x: 0.484 m η = 0.7	x: 0.037 m η = 0.6	x: 0.485 m η = 2.1	x: 0.037 m η = 2.9	x: 0.485 m η < 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 7.8	x: 0.037 m η = 12.5	x: 0.037 m η = 11.0	**CUMPLE h = 12.5**
N344/N336	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.464 m η = 4.0	x: 0.464 m η = 12.8	η = 1.5	x: 0.465 m η = 7.5	x: 0.065 m η = 2.2	x: 0.464 m η = 0.7	x: 0.465 m η = 3.0	x: 0.465 m η = 8.1	x: 0.065 m η = 2.8	x: 0.465 m η = 0.7	x: 0.065 m η = 0.1	x: 0.065 m η = 10.6	x: 0.465 m η = 22.2	x: 0.465 m η = 22.2	**CUMPLE h = 22.2**
N174/N259	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.082 m η = 8.8	x: 0.082 m η = 10.5	η = 1.6	x: 0.64 m η = 6.8	x: 0.081 m η = 5.0	η = 0.9	x: 0.081 m η = 1.5	x: 0.64 m η = 7.4	x: 0.081 m η = 5.6	x: 0.64 m η = 0.6	x: 0.081 m η = 0.3	x: 0.64 m η = 21.4	x: 0.64 m η = 20.5	x: 0.64 m η = 19.1	**CUMPLE h = 21.4**
N175/N259	$w / t \leq (w / t)_{máx.}$ Cumple	η = 1.9	η = 2.1	η = 0.7	x: 0.355 m η = 3.2	x: 0.355 m η = 3.3	η = 1.6	x: 0.045 m η = 1.6	x: 0.355 m η = 3.2	x: 0.355 m η = 3.6	x: 0.355 m η = 0.1	x: 0.355 m η = 0.2	x: 0.355 m η = 7.9	x: 0.355 m η = 6.6	x: 0.355 m η = 6.2	**CUMPLE h = 7.9**
N259/N176	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 4.6	x: 0.081 m η = 4.7	x: 0.361 m η = 1.9	x: 0.081 m η = 6.3	x: 0.081 m η = 4.1	x: 0.361 m η = 1.0	x: 0.361 m η = 1.4	x: 0.081 m η = 6.7	x: 0.081 m η = 4.9	x: 0.081 m η = 0.5	x: 0.081 m η = 0.3	x: 0.081 m η = 17.1	x: 0.081 m η = 14.4	x: 0.081 m η = 11.7	**CUMPLE h = 17.1**
N176/N261	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.082 m η = 7.2	x: 0.082 m η = 8.5	x: 0.081 m η = 1.2	x: 0.64 m η = 4.6	x: 0.081 m η = 5.1	η = 1.0	x: 0.639 m η = 1.2	x: 0.64 m η = 5.1	x: 0.081 m η = 5.4	x: 0.64 m η = 0.3	x: 0.081 m η = 0.3	x: 0.64 m η = 17.1	x: 0.64 m η = 16.3	x: 0.64 m η = 14.7	**CUMPLE h = 17.1**
N261/N178	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 4.7	x: 0.081 m η = 4.8	x: 0.081 m η = 1.5	x: 0.081 m η = 4.2	x: 0.081 m η = 3.7	x: 0.081 m η = 1.0	x: 0.639 m η = 1.0	x: 0.081 m η = 4.4	x: 0.081 m η = 4.3	x: 0.081 m η = 0.2	x: 0.081 m η = 0.2	x: 0.081 m η = 13.3	x: 0.081 m η = 10.9	x: 0.081 m η = 9.0	**CUMPLE h = 13.3**
N178/N263	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 6.7	x: 0.081 m η = 7.9	η = 0.8	x: 0.081 m η = 3.0	x: 0.081 m η = 4.8	η = 1.0	x: 0.639 m η = 0.8	x: 0.081 m η = 3.2	x: 0.081 m η = 4.9	x: 0.081 m η = 0.1	x: 0.081 m η = 0.3	x: 0.081 m η = 14.0	x: 0.081 m η = 13.7	x: 0.081 m η = 12.4	**CUMPLE h = 14.0**
N263/N180	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 5.0	x: 0.081 m η = 5.1	x: 0.639 m η = 1.1	x: 0.64 m η = 2.8	x: 0.64 m η = 3.5	x: 0.639 m η = 0.9	x: 0.639 m η = 0.7	x: 0.64 m η = 2.9	x: 0.64 m η = 4.0	x: 0.64 m η = 0.1	x: 0.64 m η = 0.2	x: 0.081 m η = 9.6	x: 0.081 m η = 8.4	x: 0.64 m η = 7.8	**CUMPLE h = 9.6**
N180/N265	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 5.8	x: 0.081 m η = 6.9	η = 0.5	x: 0.081 m η = 2.4	x: 0.081 m η = 4.3	x: 0.081 m η = 0.9	x: 0.639 m η = 0.4	x: 0.081 m η = 2.6	x: 0.081 m η = 4.3	x: 0.081 m η = 0.1	x: 0.081 m η = 0.2	x: 0.081 m η = 11.8	x: 0.081 m η = 11.5	x: 0.081 m η = 10.5	**CUMPLE h = 11.8**
N265/N182	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 4.8	x: 0.081 m η = 4.8	η = 0.6	x: 0.64 m η = 2.5	x: 0.64 m η = 4.1	x: 0.081 m η = 0.9	x: 0.639 m η = 0.4	x: 0.64 m η = 2.6	x: 0.64 m η = 4.4	x: 0.64 m η = 0.1	x: 0.64 m η = 0.2	x: 0.64 m η = 9.6	x: 0.64 m η = 8.3	x: 0.64 m η = 8.1	**CUMPLE h = 9.6**
N182/N233	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 3.7	x: 0.081 m η = 4.3	x: 0.082 m η = 1.6	x: 0.64 m η = 7.1	x: 0.081 m η = 4.3	x: 0.082 m η = 1.1	x: 0.639 m η = 1.0	x: 0.64 m η = 7.1	x: 0.081 m η = 5.0	x: 0.64 m η = 0.5	x: 0.081 m η = 0.3	x: 0.64 m η = 12.7	x: 0.64 m η = 12.6	x: 0.64 m η = 13.2	**CUMPLE h = 13.2**
N233/N184	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.567 m η = 14.8	x: 0.567 m η = 19.6	x: 0.567 m η = 0.8	x: 0.072 m η = 1.8	x: 0.568 m η = 0.3	η = 0.1	x: 0.567 m η = 0.5	x: 0.072 m η = 1.9	x: 0.072 m η = 0.5	x: 0.072 m η < 0.1	x: 0.072 m η < 0.1	N.P.[4]	x: 0.072 m η = 21.7	x: 0.072 m η = 21.9	**CUMPLE h = 21.9**
N176/N260	$w / t \leq (w / t)_{máx.}$ Cumple	η = 1.8	η = 2.0	x: 0.2 m η = 0.6	x: 0.045 m η = 4.8	x: 0.045 m η = 2.6	η = 1.2	x: 0.2 m η = 2.4	x: 0.045 m η = 5.0	x: 0.045 m η = 2.7	x: 0.045 m η = 0.3	x: 0.045 m η = 0.1	x: 0.045 m η = 9.9	x: 0.045 m η = 8.1	x: 0.045 m η = 7.3	**CUMPLE h = 9.9**
N177/N261	$w / t \leq (w / t)_{máx.}$ Cumple	η = 1.4	η = 1.6	η = 0.8	x: 0.355 m η = 4.3	x: 0.355 m η = 2.1	η = 1.0	x: 0.2 m η = 2.1	x: 0.355 m η = 4.3	x: 0.355 m η = 2.5	x: 0.355 m η = 0.2	x: 0.355 m η = 0.1	x: 0.355 m η = 7.0	x: 0.355 m η = 5.6	x: 0.355 m η = 5.9	**CUMPLE h = 7.0**
N178/N262	$w / t \leq (w / t)_{máx.}$ Cumple	η = 1.3	η = 1.4	η = 0.6	x: 0.045 m η = 4.8	x: 0.045 m η = 1.8	η = 0.9	x: 0.2 m η = 2.3	x: 0.045 m η = 4.9	x: 0.045 m η = 1.9	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 8.6	x: 0.045 m η = 6.9	x: 0.045 m η = 6.6	**CUMPLE h = 8.6**
N179/N263	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.2 m η = 0.9	x: 0.2 m η = 1.0	η = 0.8	x: 0.355 m η = 4.5	x: 0.355 m η = 1.4	η = 0.6	x: 0.2 m η = 2.2	x: 0.355 m η = 4.5	x: 0.355 m η = 1.7	x: 0.355 m η = 0.2	x: 0.355 m η < 0.1	x: 0.355 m η = 6.3	x: 0.355 m η = 4.9	x: 0.355 m η = 6.0	**CUMPLE h = 6.3**
N180/N264	$w / t \leq (w / t)_{máx.}$ Cumple	η = 0.7	η = 0.8	x: 0.2 m η = 0.6	x: 0.045 m η = 4.6	x: 0.045 m η = 1.0	η = 0.5	x: 0.2 m η = 2.3	x: 0.045 m η = 4.7	x: 0.045 m η = 1.1	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 7.1	x: 0.045 m η = 5.6	x: 0.045 m η = 6.2	**CUMPLE h = 7.1**
N181/N265	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.2 m η = 0.5	x: 0.2 m η = 0.6	η = 0.9	x: 0.355 m η = 3.8	x: 0.355 m η = 0.6	η = 0.3	x: 0.2 m η = 1.9	x: 0.355 m η = 3.8	x: 0.355 m η = 1.0	x: 0.355 m η = 0.2	x: 0.354 m η < 0.1	x: 0.355 m η = 5.4	x: 0.355 m η = 4.1	x: 0.355 m η = 5.1	**CUMPLE h = 5.4**
N182/N266	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.045 m η = 0.4	x: 0.045 m η = 0.6	η = 0.3	x: 0.355 m η = 6.1	x: 0.045 m η = 1.5	x: 0.045 m η = 0.7	x: 0.045 m η = 2.9	x: 0.355 m η = 6.1	x: 0.045 m η = 1.6	x: 0.355 m η = 0.5	x: 0.045 m η < 0.1	x: 0.355 m η = 8.2	x: 0.355 m η = 7.4	x: 0.355 m η = 8.2	**CUMPLE h = 8.2**
N174/N258	$w / t \leq (w / t)_{máx.}$ Cumple	η = 2.2	η = 2.3	η = 1.1	x: 0.045 m η = 13.9	x: 0.045 m η = 3.0	η = 1.3	x: 0.045 m η = 6.8	x: 0.045 m η = 14.1	x: 0.045 m η = 3.3	x: 0.045 m η = 2.5	x: 0.045 m η = 0.1	x: 0.045 m η = 20.4	x: 0.045 m η = 15.7	x: 0.045 m η = 19.6	**CUMPLE h = 20.4**
N268/N279	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.64 m η = 6.8	x: 0.64 m η = 11.6	x: 0.639 m η = 2.2	x: 0.64 m η = 7.3	x: 0.081 m η = 9.0	x: 0.639 m η = 2.0	x: 0.361 m η = 1.8	x: 0.64 m η = 8.3	x: 0.081 m η = 9.9	x: 0.64 m η = 0.7	x: 0.081 m η = 1.0	x: 0.081 m η = 22.5	x: 0.081 m η = 26.1	x: 0.081 m η = 22.7	**CUMPLE h = 26.1**
N269/N279	$w / t \leq (w / t)_{máx.}$ Cumple	η = 2.7	η = 2.0	η = 1.2	x: 0.355 m η = 3.8	x: 0.355 m η = 4.1	η = 2.0	x: 0.2 m η = 1.9	x: 0.355 m η = 3.8	x: 0.355 m η = 4.6	x: 0.355 m η = 0.2	x: 0.355 m η = 0.3	x: 0.355 m η = 9.7	x: 0.355 m η = 8.1	x: 0.355 m η = 7.8	**CUMPLE h = 9.7**
N279/N270	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 5.9	x: 0.081 m η = 7.0	x: 0.361 m η = 2.1	x: 0.081 m η = 7.4	x: 0.081 m η = 8.3	x: 0.361 m η = 2.1	x: 0.081 m η = 1.9	x: 0.081 m η = 8.3	x: 0.081 m η = 9.3	x: 0.081 m η = 0.7	x: 0.081 m η = 0.9	x: 0.081 m η = 21.2	x: 0.081 m η = 22.1	x: 0.081 m η = 18.5	**CUMPLE h = 22.1**
N270/N281	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 4.6	x: 0.081 m η = 9.3	x: 0.639 m η = 0.9	x: 0.081 m η = 5.7	x: 0.081 m η = 8.8	η = 2.0	x: 0.081 m η = 1.5	x: 0.081 m η = 6.1	x: 0.081 m η = 9.2	x: 0.081 m η = 0.4	x: 0.081 m η = 0.9	x: 0.081 m η = 17.3	x: 0.081 m η = 21.8	x: 0.081 m η = 19.7	**CUMPLE h = 21.8**
N281/N272	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 6.2	x: 0.081 m η = 7.3	x: 0.639 m η = 1.2	x: 0.081 m η = 4.3	x: 0.081 m η = 7.4	x: 0.081 m η = 2.0	x: 0.081 m η = 1.1	x: 0.081 m η = 4.8	x: 0.081 m η = 8.0	x: 0.081 m η = 0.2	x: 0.081 m η = 0.7	x: 0.081 m η = 13.6	x: 0.081 m η = 14.4	x: 0.081 m η = 12.4	**CUMPLE h = 14.4**
N272/N283	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 4.2	x: 0.081 m η = 8.8	η = 0.5	x: 0.081 m η = 3.0	x: 0.081 m η = 8.1	x: 0.361 m η = 2.0	x: 0.081 m η = 0.8	x: 0.081 m η = 3.1	x: 0.081 m η = 8.2	x: 0.081 m η = 0.1	x: 0.081 m η = 0.7	x: 0.64 m η = 11.3	x: 0.64 m η = 14.5	x: 0.081 m η = 14.3	**CUMPLE h = 14.5**
N283/N274	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.639 m η = 6.3	x: 0.081 m η = 7.4	η = 0.5	x: 0.64 m η = 3.4	x: 0.64 m η = 7.9	x: 0.082 m η = 2.0	x: 0.081 m η = 0.8	x: 0.64 m η = 3.5	x: 0.64 m η = 8.0	x: 0.64 m η = 0.1	x: 0.64 m η = 0.7	x: 0.64 m η = 12.3	x: 0.081 m η = 13.7	x: 0.081 m η = 12.6	**CUMPLE h = 13.7**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_x	M_yV_x	MT	MP	TPTrMV	
N274/N285	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 3.7	x: 0.081 m η = 8.2	η = 1.1	x: 0.64 m η = 4.6	x: 0.64 m η = 7.3	x: 0.639 m η = 2.0	x: 0.081 m η = 1.2	x: 0.081 m η = 4.9	x: 0.64 m η = 7.8	x: 0.081 m η = 0.3	x: 0.64 m η = 0.6	x: 0.64 m η = 12.4	x: 0.081 m η = 17.1	x: 0.081 m η = 15.1	**CUMPLE h = 17.1**
N285/N276	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 7.0	x: 0.081 m η = 8.2	x: 0.081 m η = 0.8	x: 0.64 m η = 6.8	x: 0.64 m η = 8.1	η = 1.8	x: 0.081 m η = 1.7	x: 0.64 m η = 7.2	x: 0.64 m η = 8.4	x: 0.64 m η = 0.5	x: 0.64 m η = 0.7	x: 0.64 m η = 17.4	x: 0.64 m η = 20.2	x: 0.64 m η = 17.9	**CUMPLE h = 20.2**
N276/N237	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 2.6	x: 0.081 m η = 6.3	η = 4.5	x: 0.64 m η = 8.7	x: 0.64 m η = 14.0	η = 2.1	x: 0.639 m η = 1.4	x: 0.64 m η = 9.2	x: 0.64 m η = 15.9	x: 0.64 m η = 0.9	x: 0.64 m η = 2.6	x: 0.64 m η = 31.3	x: 0.64 m η = 25.9	x: 0.64 m η = 22.7	**CUMPLE h = 31.3**
N270/N280	w / t ≤ (w / t)máx. Cumple	η = 2.2	η = 1.5	η = 0.9	x: 0.045 m η = 5.9	x: 0.045 m η = 2.8	η = 1.3	x: 0.2 m η = 2.9	x: 0.045 m η = 6.1	x: 0.045 m η = 3.1	x: 0.045 m η = 0.5	x: 0.045 m η = 0.1	x: 0.045 m η = 10.8	x: 0.045 m η = 6.8	x: 0.045 m η = 8.4	**CUMPLE h = 10.8**
N271/N281	w / t ≤ (w / t)máx. Cumple	x: 0.354 m η = 1.7	x: 0.354 m η = 0.9	x: 0.2 m η = 1.4	x: 0.355 m η = 5.4	x: 0.355 m η = 1.9	x: 0.2 m η = 0.9	x: 0.2 m η = 2.7	x: 0.355 m η = 5.4	x: 0.355 m η = 2.5	x: 0.355 m η = 0.4	x: 0.355 m η = 0.1	x: 0.355 m η = 7.4	x: 0.355 m η = 6.4	x: 0.355 m η = 7.1	**CUMPLE h = 7.4**
N272/N282	w / t ≤ (w / t)máx. Cumple	η = 1.1	η = 0.2	η = 0.8	x: 0.045 m η = 5.8	x: 0.045 m η = 1.1	η = 0.5	x: 0.2 m η = 2.8	x: 0.045 m η = 6.0	x: 0.045 m η = 1.4	x: 0.045 m η = 0.4	x: 0.045 m η < 0.1	x: 0.045 m η = 8.6	x: 0.045 m η = 3.7	x: 0.045 m η = 7.7	**CUMPLE h = 8.6**
N273/N283	w / t ≤ (w / t)máx. Cumple	x: 0.2 m η = 0.7	N.P.[1]	η = 1.3	x: 0.355 m η = 5.3	x: 0.355 m η = 0.3	η = 0.1	x: 0.2 m η = 2.6	x: 0.355 m η = 5.3	x: 0.355 m η = 0.9	x: 0.355 m η = 0.4	x: 0.355 m η < 0.1	x: 0.355 m η = 7.0	N.P.[2]	x: 0.355 m η = 7.0	**CUMPLE h = 7.0**
N274/N284	w / t ≤ (w / t)máx. Cumple	x: 0.354 m η = 1.1	x: 0.354 m η = 0.3	η = 0.8	x: 0.045 m η = 5.6	x: 0.045 m η = 0.5	η = 0.2	x: 0.2 m η = 2.8	x: 0.045 m η = 5.8	x: 0.045 m η = 0.9	x: 0.045 m η = 0.4	x: 0.045 m η < 0.1	x: 0.045 m η = 7.6	x: 0.045 m η = 6.0	x: 0.045 m η = 7.2	**CUMPLE h = 7.6**
N275/N285	w / t ≤ (w / t)máx. Cumple	η = 1.8	η = 0.9	η = 1.3	x: 0.355 m η = 5.0	x: 0.355 m η = 1.9	η = 0.9	x: 0.045 m η = 2.4	x: 0.355 m η = 5.0	x: 0.355 m η = 2.4	x: 0.355 m η = 0.3	x: 0.355 m η = 0.1	x: 0.355 m η = 8.5	x: 0.355 m η = 4.9	x: 0.355 m η = 6.4	**CUMPLE h = 8.5**
N276/N286	w / t ≤ (w / t)máx. Cumple	x: 0.2 m η = 1.7	x: 0.2 m η = 1.5	x: 0.2 m η = 1.0	x: 0.045 m η = 7.7	x: 0.355 m η = 1.8	x: 0.045 m η = 0.8	x: 0.045 m η = 3.8	x: 0.045 m η = 7.9	x: 0.355 m η = 1.9	x: 0.045 m η = 0.8	x: 0.355 m η < 0.1	x: 0.045 m η = 10.0	x: 0.355 m η = 9.7	x: 0.045 m η = 10.4	**CUMPLE h = 10.4**
N268/N278	w / t ≤ (w / t)máx. Cumple	η = 2.6	η = 1.9	η = 1.3	x: 0.045 m η = 17.6	x: 0.045 m η = 4.6	η = 2.0	x: 0.2 m η = 9.0	x: 0.045 m η = 17.7	x: 0.045 m η = 5.1	x: 0.045 m η = 3.9	x: 0.045 m η = 0.3	x: 0.045 m η = 25.1	x: 0.045 m η = 19.2	x: 0.045 m η = 24.4	**CUMPLE h = 25.1**
N298/N288	w / t ≤ (w / t)máx. Cumple	η = 2.6	η = 1.8	η = 1.3	x: 0.355 m η = 17.5	x: 0.355 m η = 4.4	η = 1.9	x: 0.2 m η = 8.9	x: 0.355 m η = 17.7	x: 0.355 m η = 4.9	x: 0.355 m η = 3.9	x: 0.355 m η = 0.3	x: 0.355 m η = 24.8	x: 0.355 m η = 19.0	x: 0.355 m η = 24.3	**CUMPLE h = 24.8**
N288/N299	w / t ≤ (w / t)máx. Cumple	x: 0.64 m η = 6.7	x: 0.64 m η = 11.6	x: 0.639 m η = 2.2	x: 0.64 m η = 7.5	x: 0.081 m η = 9.0	x: 0.639 m η = 2.0	x: 0.361 m η = 1.9	x: 0.64 m η = 8.4	x: 0.081 m η = 9.9	x: 0.64 m η = 0.7	x: 0.081 m η = 1.0	x: 0.081 m η = 22.6	x: 0.081 m η = 26.3	x: 0.081 m η = 23.0	**CUMPLE h = 26.3**
N299/N290	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 5.8	x: 0.081 m η = 6.9	x: 0.361 m η = 2.1	x: 0.081 m η = 7.5	x: 0.081 m η = 8.3	x: 0.361 m η = 2.0	x: 0.081 m η = 2.0	x: 0.081 m η = 8.5	x: 0.081 m η = 9.2	x: 0.081 m η = 0.8	x: 0.081 m η = 0.9	x: 0.081 m η = 21.3	x: 0.081 m η = 22.3	x: 0.081 m η = 18.7	**CUMPLE h = 22.3**
N290/N301	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 4.5	x: 0.081 m η = 9.3	η = 0.9	x: 0.081 m η = 5.8	x: 0.081 m η = 8.9	η = 2.0	x: 0.081 m η = 1.5	x: 0.081 m η = 6.2	x: 0.081 m η = 9.3	x: 0.081 m η = 0.4	x: 0.081 m η = 0.9	x: 0.081 m η = 17.5	x: 0.081 m η = 22.1	x: 0.081 m η = 19.9	**CUMPLE h = 22.1**
N301/N292	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 6.1	x: 0.081 m η = 7.3	x: 0.639 m η = 1.2	x: 0.081 m η = 4.4	x: 0.081 m η = 7.5	x: 0.081 m η = 2.0	x: 0.081 m η = 1.2	x: 0.081 m η = 4.9	x: 0.081 m η = 8.0	x: 0.081 m η = 0.3	x: 0.081 m η = 0.7	x: 0.081 m η = 13.4	x: 0.081 m η = 14.6	x: 0.081 m η = 12.6	**CUMPLE h = 14.6**
N292/N303	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 4.1	x: 0.081 m η = 8.7	η = 0.5	x: 0.081 m η = 3.0	x: 0.081 m η = 8.1	x: 0.361 m η = 2.0	x: 0.081 m η = 0.8	x: 0.081 m η = 3.1	x: 0.081 m η = 8.1	x: 0.081 m η = 0.1	x: 0.081 m η = 0.7	x: 0.64 m η = 11.0	x: 0.081 m η = 14.7	x: 0.081 m η = 14.4	**CUMPLE h = 14.7**
N303/N294	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 6.4	x: 0.081 m η = 7.6	x: 0.361 m η = 0.4	x: 0.64 m η = 3.4	x: 0.64 m η = 8.0	x: 0.082 m η = 2.1	x: 0.081 m η = 0.8	x: 0.64 m η = 3.5	x: 0.64 m η = 8.1	x: 0.64 m η = 0.1	x: 0.64 m η = 0.7	x: 0.64 m η = 12.6	x: 0.081 m η = 13.6	x: 0.081 m η = 12.6	**CUMPLE h = 13.6**
N294/N305	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 3.8	x: 0.081 m η = 8.3	η = 1.0	x: 0.639 m η = 4.6	x: 0.64 m η = 7.6	x: 0.639 m η = 2.1	x: 0.081 m η = 1.2	x: 0.081 m η = 4.9	x: 0.64 m η = 8.1	x: 0.081 m η = 0.3	x: 0.64 m η = 0.7	x: 0.64 m η = 12.7	x: 0.081 m η = 17.5	x: 0.081 m η = 15.5	**CUMPLE h = 17.5**
N305/N296	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 7.0	x: 0.081 m η = 8.3	x: 0.081 m η = 0.8	x: 0.64 m η = 6.9	x: 0.64 m η = 8.3	x: 0.081 m η = 1.9	x: 0.081 m η = 1.7	x: 0.64 m η = 7.3	x: 0.64 m η = 8.7	x: 0.64 m η = 0.6	x: 0.64 m η = 0.8	x: 0.64 m η = 17.8	x: 0.64 m η = 20.6	x: 0.64 m η = 18.3	**CUMPLE h = 20.6**
N296/N253	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 2.7	x: 0.081 m η = 6.4	η = 4.6	x: 0.64 m η = 8.8	x: 0.64 m η = 14.5	η = 2.2	x: 0.639 m η = 1.5	x: 0.64 m η = 9.3	x: 0.64 m η = 16.5	x: 0.64 m η = 0.9	x: 0.64 m η = 2.8	x: 0.64 m η = 32.3	x: 0.64 m η = 26.6	x: 0.64 m η = 23.5	**CUMPLE h = 32.3**
N253/N206	w / t ≤ (w / t)máx. Cumple	x: 0.567 m η = 5.7	x: 0.072 m η = 20.2	η = 1.1	x: 0.072 m η = 4.7	x: 0.072 m η = 14.1	η = 4.2	x: 0.32 m η = 1.0	x: 0.072 m η = 4.7	x: 0.072 m η = 14.5	x: 0.072 m η = 0.2	x: 0.072 m η = 2.3	x: 0.072 m η = 16.6	x: 0.072 m η = 30.0	x: 0.072 m η = 30.2	**CUMPLE h = 30.2**
N206/N318	w / t ≤ (w / t)máx. Cumple	x: 0.277 m η = 2.7	x: 0.277 m η = 10.6	η = 1.6	x: 0.058 m η = 9.2	x: 0.058 m η = 5.2	η = 3.4	η = 2.2	x: 0.058 m η = 9.9	x: 0.058 m η = 5.9	x: 0.058 m η = 1.0	x: 0.058 m η = 0.5	x: 0.058 m η = 18.4	x: 0.058 m η = 25.0	x: 0.058 m η = 22.4	**CUMPLE h = 25.0**
N223/N212	w / t ≤ (w / t)máx. Cumple	η = 2.2	η = 2.3	η = 1.1	x: 0.355 m η = 13.8	x: 0.355 m η = 3.1	η = 1.4	x: 0.354 m η = 6.8	x: 0.355 m η = 14.0	x: 0.355 m η = 3.3	x: 0.355 m η = 2.4	x: 0.355 m η = 0.1	x: 0.355 m η = 20.1	x: 0.355 m η = 15.5	x: 0.355 m η = 19.3	**CUMPLE h = 20.1**
N212/N224	w / t ≤ (w / t)máx. Cumple	x: 0.082 m η = 8.8	x: 0.082 m η = 10.4	η = 1.5	x: 0.64 m η = 6.6	x: 0.081 m η = 5.1	η = 1.0	x: 0.081 m η = 1.5	x: 0.64 m η = 7.3	x: 0.081 m η = 5.8	x: 0.64 m η = 0.6	x: 0.081 m η = 0.3	x: 0.64 m η = 21.3	x: 0.64 m η = 20.3	x: 0.64 m η = 18.9	**CUMPLE h = 21.3**
N224/N214	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 4.4	x: 0.081 m η = 4.5	x: 0.361 m η = 1.9	x: 0.081 m η = 6.2	x: 0.081 m η = 4.0	x: 0.361 m η = 1.0	x: 0.361 m η = 1.4	x: 0.081 m η = 6.5	x: 0.081 m η = 4.8	x: 0.081 m η = 0.4	x: 0.081 m η = 0.2	x: 0.081 m η = 17.1	x: 0.081 m η = 14.4	x: 0.081 m η = 11.7	**CUMPLE h = 17.1**
N214/N226	w / t ≤ (w / t)máx. Cumple	x: 0.082 m η = 7.2	x: 0.082 m η = 8.5	η = 1.1	x: 0.64 m η = 4.6	x: 0.081 m η = 5.0	η = 1.0	x: 0.639 m η = 1.2	x: 0.64 m η = 5.1	x: 0.081 m η = 5.4	x: 0.64 m η = 0.3	x: 0.081 m η = 0.3	x: 0.081 m η = 16.9	x: 0.64 m η = 15.9	x: 0.64 m η = 14.4	**CUMPLE h = 16.9**
N226/N216	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 4.6	x: 0.081 m η = 4.7	x: 0.081 m η = 1.5	x: 0.081 m η = 4.2	x: 0.081 m η = 3.6	x: 0.081 m η = 0.9	x: 0.639 m η = 1.0	x: 0.081 m η = 4.6	x: 0.081 m η = 4.3	x: 0.081 m η = 0.2	x: 0.081 m η = 0.2	x: 0.081 m η = 13.6	x: 0.081 m η = 11.0	x: 0.081 m η = 9.1	**CUMPLE h = 13.6**
N216/N228	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 6.5	x: 0.081 m η = 7.7	η = 0.9	x: 0.081 m η = 3.1	x: 0.081 m η = 4.8	η = 1.0	x: 0.639 m η = 0.8	x: 0.081 m η = 3.3	x: 0.081 m η = 5.0	x: 0.081 m η = 0.1	x: 0.081 m η = 0.3	x: 0.081 m η = 14.0	x: 0.081 m η = 13.6	x: 0.081 m η = 12.2	**CUMPLE h = 14.0**
N228/N218	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 4.8	x: 0.081 m η = 4.9	x: 0.639 m η = 1.1	x: 0.64 m η = 2.7	x: 0.64 m η = 3.6	x: 0.639 m η = 1.0	x: 0.639 m η = 0.7	x: 0.081 m η = 3.0	x: 0.64 m η = 4.1	x: 0.081 m η = 0.1	x: 0.64 m η = 0.2	x: 0.081 m η = 9.9	x: 0.081 m η = 8.3	x: 0.081 m η = 7.6	**CUMPLE h = 9.9**
N218/N230	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 6.1	x: 0.081 m η = 7.2	η = 0.5	x: 0.081 m η = 2.4	x: 0.081 m η = 4.4	x: 0.081 m η = 1.0	x: 0.639 m η = 0.5	x: 0.081 m η = 2.6	x: 0.081 m η = 4.4	x: 0.081 m η = 0.1	x: 0.081 m η = 0.2	x: 0.081 m η = 12.1	x: 0.081 m η = 11.8	x: 0.081 m η = 10.8	**CUMPLE h = 12.1**
N230/N220	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 5.1	x: 0.081 m η = 5.2	η = 0.6	x: 0.64 m η = 2.6	x: 0.64 m η = 4.3	η = 1.0	x: 0.639 m η = 0.4	x: 0.64 m η = 2.6	x: 0.64 m η = 4.5	x: 0.64 m η = 0.1	x: 0.64 m η = 0.2	x: 0.64 m η = 9.8	x: 0.64 m η = 8.6	x: 0.64 m η = 8.4	**CUMPLE h = 9.8**
N220/N232	w / t ≤ (w / t)máx. Cumple	x: 0.639 m η = 4.0	x: 0.081 m η = 4.6	x: 0.082 m η = 1.7	x: 0.64 m η = 7.2	x: 0.081 m η = 4.4	x: 0.082 m η = 1.1	x: 0.639 m η = 1.0	x: 0.64 m η = 7.3	x: 0.081 m η = 5.1	x: 0.64 m η = 0.5	x: 0.081 m η = 0.3	x: 0.64 m η = 13.0	x: 0.64 m η = 12.9	x: 0.64 m η = 13.6	**CUMPLE h = 13.6**
N232/N210	w / t ≤ (w / t)máx. Cumple	x: 0.567 m η = 15.0	x: 0.567 m η = 19.9	η = 0.9	x: 0.072 m η = 1.9	x: 0.072 m η = 0.2	η < 0.1	x: 0.567 m η = 0.5	x: 0.072 m η = 2.0	x: 0.072 m η = 0.5	x: 0.072 m η < 0.1	x: 0.072 m η < 0.1	N.P.[4]	x: 0.072 m η = 22.1	x: 0.072 m η = 22.3	**CUMPLE h = 22.3**
N224/N213	w / t ≤ (w / t)máx. Cumple	η = 2.0	η = 2.1	η = 0.7	x: 0.045 m η = 3.1	x: 0.045 m η = 3.4	η = 1.7	x: 0.355 m η = 1.5	x: 0.045 m η = 3.1	x: 0.045 m η = 3.8	x: 0.045 m η = 0.1	x: 0.045 m η = 0.2	x: 0.045 m η = 7.9	x: 0.045 m η = 6.7	x: 0.045 m η = 6.4	**CUMPLE h = 7.9**
N299/N289	w / t ≤ (w / t)máx. Cumple	η = 2.7	η = 2.0	x: 0.2 m η = 1.2	x: 0.045 m η = 3.8	x: 0.045 m η = 4.2	η = 2.0	x: 0.2 m η = 1.9	x: 0.045 m η = 3.8	x: 0.045 m η = 4.7	x: 0.045 m η = 0.2	x: 0.045 m η = 0.3	x: 0.045 m η = 9.9	x: 0.045 m η = 8.2	x: 0.045 m η = 8.0	**CUMPLE h = 9.9**
N300/N290	w / t ≤ (w / t)máx. Cumple	η = 2.3	η = 1.5	η = 0.9	x: 0.355 m η = 5.9	x: 0.355 m η = 2.8	η = 1.3	x: 0.2 m η = 2.9	x: 0.355 m η = 6.0	x: 0.355 m η = 3.2	x: 0.355 m η = 0.4	x: 0.355 m η = 0.1	x: 0.355 m η = 10.5	x: 0.355 m η = 6.7	x: 0.355 m η = 8.1	**CUMPLE h = 10.5**
N225/N214	w / t ≤ (w / t)máx. Cumple	η = 1.8	η = 2.0	x: 0.2 m η = 0.6	x: 0.355 m η = 4.7	x: 0.355 m η = 2.6	η = 1.2	x: 0.2 m η = 2.3	x: 0.355 m η = 4.8	x: 0.355 m η = 2.7	x: 0.355 m η = 0.3	x: 0.355 m η = 0.1	x: 0.355 m η = 9.6	x: 0.355 m η = 7.8	x: 0.355 m η = 7.1	**CUMPLE h = 9.6**
N226/N215	w / t ≤ (w / t)máx. Cumple	η = 1.5	η = 1.6	η = 0.8	x: 0.045 m η = 4.3	x: 0.045 m η = 2.1	η = 1.0	x: 0.2 m η = 2.1	x: 0.045 m η = 4.3	x: 0.045 m η = 2.5	x: 0.045 m η = 0.2	x: 0.045 m η = 0.1	x: 0.045 m η = 7.0	x: 0.045 m η = 5.7	x: 0.045 m η = 5.9	**CUMPLE h = 7.0**
N301/N291	w / t ≤ (w / t)máx. Cumple	x: 0.045 m η = 1.7	x: 0.045 m η = 0.9	x: 0.2 m η = 1.4	x: 0.045 m η = 5.3	x: 0.045 m η = 1.9	x: 0.2 m η = 0.9	x: 0.2 m η = 2.7	x: 0.045 m η = 5.4	x: 0.045 m η = 2.5	x: 0.045 m η = 0.4	x: 0.045 m η = 0.1	x: 0.045 m η = 7.3	x: 0.045 m η = 6.5	x: 0.045 m η = 7.1	**CUMPLE h = 7.3**
N302/N292	w / t ≤ (w / t)máx. Cumple	η = 1.1	η = 0.2	η = 0.8	x: 0.355 m η = 5.7	x: 0.355 m η = 1.1	η = 0.5	x: 0.2 m η = 2.8	x: 0.355 m η = 5.9	x: 0.355 m η = 1.5	x: 0.355 m η = 0.4	x: 0.355 m η < 0.1	x: 0.355 m η = 8.5	x: 0.355 m η = 3.9	x: 0.355 m η = 7.6	**CUMPLE h = 8.5**
N227/N216	w / t ≤ (w / t)máx. Cumple	η = 1.3	η = 1.4	x: 0.2 m η = 0.6	x: 0.355 m η = 4.6	x: 0.355 m η = 1.8	η = 0.9	x: 0.2 m η = 2.3	x: 0.355 m η = 4.7	x: 0.355 m η = 2.0	x: 0.355 m η = 0.3	x: 0.355 m η < 0.1	x: 0.355 m η = 8.4	x: 0.355 m η = 6.7	x: 0.355 m η = 6.4	**CUMPLE h = 8.4**
N303/N293	w / t ≤ (w / t)máx. Cumple	x: 0.2 m η = 0.7	N.P.[1]	η = 1.4	x: 0.045 m η = 5.4	x: 0.045 m η = 0.2	η = 0.1	x: 0.2 m η = 2.7	x: 0.045 m η = 5.4	x: 0.045 m η = 0.8	x: 0.045 m η = 0.4	x: 0.045 m η < 0.1	x: 0.045 m η = 7.2	N.P.[2]	x: 0.045 m η = 7.0	**CUMPLE h = 7.2**
N228/N217	w / t ≤ (w / t)máx. Cumple	η = 0.9	η = 1.0	η = 0.8	x: 0.045 m η = 4.3	x: 0.045 m η = 1.4	η = 0.6	x: 0.2 m η = 2.1	x: 0.045 m η = 4.3	x: 0.045 m η = 1.7	x: 0.045 m η = 0.2	x: 0.045 m η < 0.1	x: 0.045 m η = 6.2	x: 0.045 m η = 4.8	x: 0.045 m η = 5.8	**CUMPLE h = 6.2**
N229/N218	w / t ≤ (w / t)máx. Cumple	η = 0.7	η = 0.8	x: 0.2 m η = 0.6	x: 0.355 m η = 4.7	x: 0.355 m η = 1.0	η = 0.5	x: 0.2 m η = 2.3	x: 0.355 m η = 4.8	x: 0.355 m η = 1.1	x: 0.355 m η = 0.3	x: 0.355 m η < 0.1	x: 0.355 m η = 7.2	x: 0.355 m η = 5.7	x: 0.355 m η = 6.2	**CUMPLE h = 7.2**
N304/N294	w / t ≤ (w / t)máx. Cumple	x: 0.045 m η = 1.1	x: 0.045 m η = 0.3	η = 0.8	x: 0.355 m η = 5.7	x: 0.355 m η = 0.6	η = 0.3	x: 0.2 m η = 2.8	x: 0.355 m η = 5.9	x: 0.355 m η = 1.0	x: 0.355 m η = 0.4	x: 0.354 m η < 0.1	x: 0.355 m η = 7.8	x: 0.355 m η = 6.4	x: 0.355 m η = 7.3	**CUMPLE h = 7.8**
N305/N295	w / t ≤ (w / t)máx. Cumple	η = 1.8	η = 0.8	η = 1.3	x: 0.045 m η = 5.0	x: 0.045 m η = 1.8	η = 0.8	x: 0.355 m η = 2.5	x: 0.045 m η = 5.1	x: 0.045 m η = 2.4	x: 0.045 m η = 0.3	x: 0.045 m η = 0.1	x: 0.045 m η = 8.5	x: 0.045 m η = 4.9	x: 0.045 m η = 6.5	**CUMPLE h = 8.5**
N306/N296	w / t ≤ (w / t)máx. Cumple	x: 0.2 m η = 1.7	x: 0.2 m η = 1.5	x: 0.2 m η = 1.1	x: 0.355 m η = 7.8	x: 0.045 m η = 1.7	x: 0.354 m η = 0.8	x: 0.355 m η = 3.9	x: 0.355 m η = 8.0	x: 0.045 m η = 2.0	x: 0.355 m η = 0.8	x: 0.045 m η < 0.1	x: 0.355 m η = 10.0	x: 0.045 m η = 9.7	x: 0.045 m η = 10.5	**CUMPLE h = 10.5**
N231/N220	w / t ≤ (w / t)máx. Cumple	x: 0.2 m η = 0.5	x: 0.2 m η = 0.6	η = 0.3	x: 0.045 m η = 6.3	x: 0.355 m η = 1.6	x: 0.045 m η = 0.8	x: 0.355 m η = 3.1	x: 0.045 m η = 6.4	x: 0.355 m η = 1.7	x: 0.045 m η = 0.5	x: 0.355 m η < 0.1	x: 0.045 m η = 8.5	x: 0.045 m η = 7.6	x: 0.045 m η = 8.5	**CUMPLE h = 8.5**
N230/N219	w / t ≤ (w / t)máx. Cumple	x: 0.045 m η = 0.5	x: 0.045 m η = 0.6	η = 0.9	x: 0.045 m η = 4.1	x: 0.045 m η = 0.7	η = 0.3	x: 0.2 m η = 2.0	x: 0.045 m η = 4.1	x: 0.045 m η = 1.0	x: 0.045 m η = 0.2	x: 0.045 m η < 0.1	x: 0.045 m η = 5.7	x: 0.045 m η = 4.5	x: 0.045 m η = 5.5	**CUMPLE h = 5.7**
N233/N186	w / t ≤ (w / t)máx. Cumple	x: 0.71 m η = 9.8	x: 0.07 m η = 7.3	x: 0.23 m η = 1.4	x: 0.07 m η = 6.4	x: 0.711 m η = 4.9	x: 0.23 m η = 0.7	x: 0.07 m η = 0.9	x: 0.07 m η = 6.5	x: 0.711 m η = 5.5	x: 0.07 m η = 0.4	x: 0.711 m η = 0.3	x: 0.07 m η = 17.4	x: 0.07 m η = 14.0	x: 0.07 m η = 17.1	**CUMPLE h = 17.4**
N235/N186	w / t ≤ (w / t)máx. Cumple	x: 0.71 m η = 7.5	x: 0.07 m η = 15.1	x: 0.07 m η = 1.3	x: 0.07 m η = 2.5	x: 0.711 m η = 3.8	x: 0.391 m η = 0.4	x: 0.71 m η = 0.5	x: 0.07 m η = 3.0	x: 0.711 m η = 4.4	x: 0.07 m η = 0.1	x: 0.711 m η = 0.2	x: 0.07 m η = 11.2	x: 0.07 m η = 18.0	x: 0.07 m η = 17.9	**CUMPLE h = 18.0**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N235/N188	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 12.1	x: 0.07 m η = 5.0	η = 0.7	x: 0.07 m η = 2.2	x: 0.07 m η = 9.6	x: 0.71 m η = 1.3	x: 0.07 m η = 0.2	x: 0.07 m η = 2.2	x: 0.07 m η = 9.7	x: 0.07 m η = 0.1	x: 0.07 m η = 1.0	x: 0.07 m η = 21.2	x: 0.07 m η = 9.5	x: 0.07 m η = 19.4	**CUMPLE h = 21.2**
N238/N189	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 12.1	x: 0.07 m η = 0.3	η = 2.2	x: 0.71 m η = 5.0	x: 0.71 m η = 13.6	x: 0.23 m η = 2.6	x: 0.71 m η = 0.7	x: 0.71 m η = 5.1	x: 0.71 m η = 14.6	x: 0.71 m η = 0.3	x: 0.71 m η = 2.2	x: 0.71 m η = 35.1	x: 0.71 m η = 18.1	x: 0.71 m η = 29.5	**CUMPLE h = 35.1**
N238/N191	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.23 m η = 11.2	x: 0.71 m η = 0.6	x: 0.07 m η = 2.1	x: 0.07 m η = 6.7	x: 0.391 m η = 1.2	x: 0.07 m η = 0.5	x: 0.07 m η = 2.2	x: 0.07 m η = 6.9	x: 0.07 m η < 0.1	x: 0.07 m η = 0.5	N.P.[4]	x: 0.07 m η = 17.3	x: 0.07 m η = 17.8	**CUMPLE h = 17.8**
N338/N309	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.34 m η = 1.5	x: 0.34 m η = 3.0	η = 1.7	x: 0.076 m η = 1.7	x: 0.604 m η = 4.7	η = 0.9	x: 0.604 m η = 0.4	x: 0.076 m η = 2.3	x: 0.604 m η = 5.4	x: 0.076 m η = 0.1	x: 0.604 m η = 0.3	x: 0.604 m η = 9.4	x: 0.076 m η = 7.7	x: 0.604 m η = 6.6	**CUMPLE h = 9.4**
N338/N311	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.5	x: 0.076 m η = 2.5	x: 0.603 m η = 1.1	x: 0.076 m η = 2.5	x: 0.076 m η = 2.0	η = 0.1	x: 0.603 m η = 0.6	x: 0.076 m η = 2.9	x: 0.076 m η = 2.4	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.9	x: 0.076 m η = 5.0	x: 0.076 m η = 4.8	**CUMPLE h = 6.9**
N234/N186	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 1.3	x: 0.045 m η = 0.7	x: 0.249 m η = 1.4	x: 0.045 m η = 0.9	x: 0.045 m η = 8.8	x: 0.451 m η = 3.3	x: 0.249 m η = 0.3	x: 0.045 m η = 1.5	x: 0.045 m η = 9.0	x: 0.045 m η < 0.1	x: 0.045 m η = 0.9	x: 0.045 m η = 12.8	x: 0.045 m η = 7.3	x: 0.045 m η = 12.4	**CUMPLE h = 12.8**
N235/N187	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 1.0	x: 0.252 m η = 2.8	x: 0.455 m η = 5.9	x: 0.048 m η = 11.3	x: 0.454 m η = 4.0	x: 0.252 m η = 2.1	x: 0.455 m η = 7.1	x: 0.048 m η = 11.6	x: 0.455 m η = 0.5	x: 0.048 m η = 1.5	x: 0.455 m η = 15.5	x: 0.048 m η = 13.4	x: 0.048 m η = 14.4	**CUMPLE h = 15.5**
N237/N188	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.567 m η = 5.8	x: 0.072 m η = 19.9	η = 1.1	x: 0.072 m η = 4.6	x: 0.072 m η = 13.8	η = 4.1	x: 0.567 m η = 1.0	x: 0.072 m η = 4.7	x: 0.072 m η = 14.2	x: 0.072 m η = 0.2	x: 0.072 m η = 2.2	x: 0.072 m η = 16.9	x: 0.072 m η = 29.4	x: 0.072 m η = 29.5	**CUMPLE h = 29.5**
N189/N307	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.264 m η = 9.5	x: 0.264 m η = 2.2	η = 2.2	x: 0.071 m η = 4.2	x: 0.071 m η = 6.0	x: 0.457 m η = 1.5	x: 0.071 m η = 1.4	x: 0.071 m η = 5.1	x: 0.071 m η = 6.9	x: 0.071 m η = 0.3	x: 0.071 m η = 0.5	x: 0.071 m η = 23.6	x: 0.071 m η = 9.9	x: 0.071 m η = 17.7	**CUMPLE h = 23.6**
N189/N308	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 1.4	x: 0.058 m η = 0.4	η = 1.0	x: 0.058 m η = 10.0	x: 0.058 m η = 10.9	η = 3.2	x: 0.206 m η = 4.5	x: 0.058 m η = 10.1	x: 0.058 m η = 11.3	x: 0.058 m η = 1.2	x: 0.058 m η = 1.4	x: 0.058 m η = 28.1	x: 0.058 m η = 13.2	x: 0.058 m η = 19.6	**CUMPLE h = 28.1**
N337/N309	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 2.7	x: 0.045 m η = 0.6	η = 0.3	x: 0.045 m η = 4.5	x: 0.355 m η = 10.8	η = 3.2	x: 0.354 m η = 1.8	x: 0.045 m η = 4.6	x: 0.355 m η = 10.8	x: 0.045 m η = 0.2	x: 0.355 m η = 1.3	x: 0.355 m η = 16.9	x: 0.355 m η = 6.8	x: 0.355 m η = 14.3	**CUMPLE h = 16.9**
N189/N309	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 0.6	x: 0.603 m η = 5.9	η = 1.9	x: 0.076 m η = 5.4	x: 0.076 m η = 7.0	x: 0.34 m η = 1.5	x: 0.603 m η = 1.2	x: 0.076 m η = 6.0	x: 0.076 m η = 7.5	x: 0.076 m η = 0.4	x: 0.076 m η = 0.6	x: 0.076 m η = 9.3	x: 0.076 m η = 18.7	x: 0.076 m η = 16.4	**CUMPLE h = 18.7**
N340/N311	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 3.9	η = 0.9	x: 0.076 m η = 2.1	x: 0.076 m η = 2.2	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.5	x: 0.076 m η = 2.5	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.3	x: 0.076 m η = 8.7	x: 0.076 m η = 7.5	**CUMPLE h = 8.7**
N340/N313	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.2	x: 0.076 m η = 1.0	x: 0.603 m η = 1.3	x: 0.076 m η = 2.4	x: 0.076 m η = 1.9	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.9	x: 0.076 m η = 2.4	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 7.3	x: 0.076 m η = 3.8	x: 0.076 m η = 4.4	**CUMPLE h = 7.3**
N342/N313	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.5	x: 0.076 m η = 4.6	η = 0.7	x: 0.076 m η = 2.1	x: 0.076 m η = 2.2	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.4	x: 0.076 m η = 2.4	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.3	x: 0.076 m η = 9.2	x: 0.076 m η = 8.2	**CUMPLE h = 9.2**
N342/N315	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.4	x: 0.076 m η = 0.2	x: 0.34 m η = 1.3	x: 0.076 m η = 2.3	x: 0.076 m η = 1.5	x: 0.076 m η = 0.2	x: 0.603 m η = 0.7	x: 0.076 m η = 2.8	x: 0.076 m η = 2.1	x: 0.076 m η = 0.1	x: 0.076 m η < 0.1	x: 0.076 m η = 7.3	x: 0.076 m η = 3.4	x: 0.076 m η = 4.7	**CUMPLE h = 7.3**
N344/N315	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.34 m η = 1.8	x: 0.34 m η = 6.1	η = 0.4	x: 0.076 m η = 2.6	x: 0.076 m η = 2.0	η = 0.3	x: 0.604 m η = 0.8	x: 0.076 m η = 2.8	x: 0.076 m η = 2.1	x: 0.076 m η = 0.1	x: 0.076 m η < 0.1	x: 0.076 m η = 5.6	x: 0.076 m η = 10.4	x: 0.076 m η = 9.7	**CUMPLE h = 10.4**
N344/N317	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.629 m η = 2.0	x: 0.079 m η = 0.6	η = 1.1	x: 0.63 m η = 3.2	x: 0.079 m η = 0.9	x: 0.079 m η = 0.2	x: 0.629 m η = 0.7	x: 0.63 m η = 3.5	x: 0.079 m η = 1.0	x: 0.63 m η = 0.1	x: 0.079 m η < 0.1	x: 0.63 m η = 7.2	x: 0.079 m η = 2.7	x: 0.63 m η = 6.0	**CUMPLE h = 7.2**
N335/N317	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.629 m η = 2.0	x: 0.079 m η = 0.5	η = 1.1	x: 0.63 m η = 3.2	x: 0.079 m η = 0.9	x: 0.079 m η = 0.2	x: 0.629 m η = 0.7	x: 0.63 m η = 3.5	x: 0.079 m η = 1.0	x: 0.63 m η = 0.1	x: 0.079 m η < 0.1	x: 0.63 m η = 7.2	x: 0.079 m η = 2.6	x: 0.63 m η = 5.9	**CUMPLE h = 7.2**
N335/N326	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 6.0	η = 0.4	x: 0.076 m η = 2.6	x: 0.076 m η = 2.0	η = 0.3	x: 0.604 m η = 0.8	x: 0.076 m η = 2.8	x: 0.076 m η = 2.1	x: 0.076 m η = 0.1	x: 0.076 m η < 0.1	x: 0.076 m η = 5.5	x: 0.604 m η = 10.3	x: 0.604 m η = 9.7	**CUMPLE h = 10.3**
N333/N326	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.4	x: 0.076 m η = 0.2	x: 0.34 m η = 1.3	x: 0.076 m η = 2.3	x: 0.076 m η = 1.4	x: 0.076 m η = 0.2	x: 0.603 m η = 0.7	x: 0.076 m η = 2.8	x: 0.076 m η = 1.9	x: 0.076 m η = 0.1	x: 0.076 m η < 0.1	x: 0.076 m η = 7.1	x: 0.076 m η = 3.3	x: 0.076 m η = 4.6	**CUMPLE h = 7.1**
N333/N324	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.5	x: 0.076 m η = 4.6	η = 0.7	x: 0.076 m η = 2.2	x: 0.076 m η = 2.2	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.4	x: 0.076 m η = 2.4	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.2	x: 0.076 m η = 9.1	x: 0.076 m η = 8.1	**CUMPLE h = 9.1**
N331/N324	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.2	x: 0.076 m η = 1.1	x: 0.603 m η = 1.3	x: 0.076 m η = 2.4	x: 0.076 m η = 1.8	x: 0.076 m η = 0.2	x: 0.603 m η = 0.7	x: 0.076 m η = 3.0	x: 0.076 m η = 2.3	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 7.2	x: 0.076 m η = 3.7	x: 0.076 m η = 4.4	**CUMPLE h = 7.2**
N331/N322	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 3.9	η = 0.8	x: 0.076 m η = 2.2	x: 0.076 m η = 2.2	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.5	x: 0.076 m η = 2.4	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.3	x: 0.076 m η = 8.6	x: 0.076 m η = 7.5	**CUMPLE h = 8.6**
N329/N322	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 2.6	x: 0.603 m η = 1.1	x: 0.076 m η = 2.5	x: 0.076 m η = 1.8	η = 0.2	x: 0.603 m η = 0.7	x: 0.076 m η = 3.0	x: 0.076 m η = 2.3	x: 0.076 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.7	x: 0.076 m η = 5.4	x: 0.076 m η = 4.9	**CUMPLE h = 6.7**
N329/N320	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.34 m η = 1.5	x: 0.34 m η = 3.1	η = 0.7	x: 0.076 m η = 1.8	x: 0.076 m η = 2.4	x: 0.34 m η = 0.4	x: 0.603 m η = 0.4	x: 0.076 m η = 2.0	x: 0.076 m η = 2.7	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.3	x: 0.076 m η = 7.6	x: 0.076 m η = 6.7	**CUMPLE h = 7.6**
N205/N320	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 0.8	x: 0.603 m η = 5.6	η = 1.8	x: 0.076 m η = 5.8	x: 0.076 m η = 5.9	x: 0.34 m η = 0.9	x: 0.603 m η = 1.3	x: 0.076 m η = 6.6	x: 0.076 m η = 6.7	x: 0.076 m η = 0.4	x: 0.076 m η = 0.5	x: 0.076 m η = 9.0	x: 0.076 m η = 18.3	x: 0.076 m η = 15.4	**CUMPLE h = 18.3**
N205/N318	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.264 m η = 9.8	x: 0.264 m η = 2.2	η = 2.3	x: 0.071 m η = 4.3	x: 0.071 m η = 6.2	x: 0.457 m η = 1.6	x: 0.071 m η = 1.4	x: 0.071 m η = 5.3	x: 0.071 m η = 7.1	x: 0.071 m η = 0.3	x: 0.071 m η = 0.5	x: 0.071 m η = 24.3	x: 0.071 m η = 10.2	x: 0.071 m η = 18.3	**CUMPLE h = 24.3**
N240/N191	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 8.1	N.P.[1]	η = 0.5	x: 0.07 m η = 1.3	x: 0.07 m η = 6.0	x: 0.391 m η = 1.2	x: 0.07 m η = 0.3	x: 0.07 m η = 1.5	x: 0.07 m η = 6.2	x: 0.07 m η < 0.1	x: 0.07 m η = 0.4	x: 0.07 m η = 17.3	N.P.[2]	x: 0.07 m η = 15.3	**CUMPLE h = 17.3**
N240/N193	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.551 m η = 7.5	η = 0.9	x: 0.711 m η = 2.3	x: 0.711 m η = 5.9	x: 0.391 m η = 1.3	x: 0.07 m η = 0.5	x: 0.711 m η = 2.7	x: 0.711 m η = 6.3	x: 0.711 m η = 0.1	x: 0.711 m η = 0.4	N.P.[4]	x: 0.711 m η = 14.1	x: 0.711 m η = 14.1	**CUMPLE h = 14.1**
N242/N193	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.391 m η = 6.9	N.P.[1]	η = 1.1	x: 0.711 m η = 3.2	x: 0.07 m η = 4.5	x: 0.391 m η = 0.9	x: 0.07 m η = 0.7	x: 0.711 m η = 3.6	x: 0.07 m η = 5.0	x: 0.711 m η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 16.7	N.P.[2]	x: 0.07 m η = 13.2	**CUMPLE h = 16.7**
N242/N195	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.391 m η = 6.4	x: 0.391 m η = 1.4	x: 0.711 m η = 4.1	x: 0.711 m η = 4.7	x: 0.23 m η = 0.8	x: 0.07 m η = 0.8	x: 0.711 m η = 4.7	x: 0.711 m η = 5.3	x: 0.711 m η = 0.2	x: 0.711 m η = 0.3	N.P.[4]	x: 0.711 m η = 13.8	x: 0.711 m η = 12.5	**CUMPLE h = 13.8**
N244/N195	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.391 m η = 5.0	x: 0.391 m η = 0.6	η = 1.7	x: 0.711 m η = 4.6	x: 0.07 m η = 3.2	x: 0.71 m η = 0.5	x: 0.07 m η = 0.9	x: 0.711 m η = 5.4	x: 0.07 m η = 3.9	x: 0.711 m η = 0.3	x: 0.07 m η = 0.2	x: 0.07 m η = 14.4	x: 0.07 m η = 8.6	x: 0.711 m η = 10.8	**CUMPLE h = 14.4**
N244/N197	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 2.2	x: 0.07 m η = 3.6	η = 1.7	x: 0.711 m η = 5.0	x: 0.711 m η = 2.1	η = 0.2	x: 0.07 m η = 1.0	x: 0.711 m η = 5.8	x: 0.711 m η = 2.8	x: 0.711 m η = 0.3	x: 0.711 m η = 0.1	x: 0.711 m η = 12.8	x: 0.07 m η = 9.4	x: 0.711 m η = 8.9	**CUMPLE h = 12.8**
N246/N197	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 2.4	x: 0.07 m η = 3.1	η = 1.8	x: 0.711 m η = 5.1	x: 0.711 m η = 1.8	η = 0.2	x: 0.07 m η = 1.0	x: 0.711 m η = 5.8	x: 0.711 m η = 2.5	x: 0.711 m η = 0.3	x: 0.71 m η = 0.1	x: 0.711 m η = 12.8	x: 0.07 m η = 9.3	x: 0.711 m η = 9.1	**CUMPLE h = 12.8**
N246/N199	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.391 m η = 4.8	x: 0.391 m η = 1.1	x: 0.551 m η = 1.7	x: 0.711 m η = 4.7	x: 0.07 m η = 2.9	x: 0.71 m η = 0.4	x: 0.07 m η = 0.9	x: 0.711 m η = 5.5	x: 0.07 m η = 3.6	x: 0.711 m η = 0.3	x: 0.07 m η = 0.1	x: 0.07 m η = 13.7	x: 0.07 m η = 8.9	x: 0.711 m η = 10.7	**CUMPLE h = 13.7**
N248/N199	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.07 m η = 5.7	η = 1.6	x: 0.711 m η = 4.3	x: 0.711 m η = 3.9	x: 0.23 m η = 0.7	x: 0.07 m η = 0.8	x: 0.711 m η = 5.0	x: 0.711 m η = 4.5	x: 0.711 m η = 0.3	x: 0.711 m η = 0.2	N.P.[4]	x: 0.711 m η = 12.4	x: 0.711 m η = 10.8	**CUMPLE h = 12.4**
N248/N201	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.391 m η = 6.8	N.P.[1]	η = 1.3	x: 0.711 m η = 3.3	x: 0.07 m η = 4.9	x: 0.391 m η = 0.9	x: 0.07 m η = 0.7	x: 0.711 m η = 3.9	x: 0.07 m η = 5.4	x: 0.711 m η = 0.2	x: 0.07 m η = 0.3	x: 0.07 m η = 17.1	N.P.[2]	x: 0.07 m η = 13.4	**CUMPLE h = 17.1**
N250/N201	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.551 m η = 7.8	η = 1.0	x: 0.711 m η = 2.4	x: 0.711 m η = 5.8	x: 0.391 m η = 1.2	x: 0.07 m η = 0.5	x: 0.711 m η = 2.8	x: 0.711 m η = 6.2	x: 0.711 m η = 0.1	x: 0.711 m η = 0.4	N.P.[4]	x: 0.711 m η = 14.8	x: 0.711 m η = 14.7	**CUMPLE h = 14.8**
N250/N203	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.708 m η = 8.8	N.P.[1]	η = 0.6	x: 0.07 m η = 1.5	x: 0.07 m η = 6.6	η = 1.4	x: 0.07 m η = 0.3	x: 0.07 m η = 1.8	x: 0.07 m η = 6.9	x: 0.07 m η < 0.1	x: 0.07 m η = 0.5	x: 0.07 m η = 18.9	N.P.[2]	x: 0.07 m η = 16.5	**CUMPLE h = 18.9**
N252/N203	$w / t \leq (w / t)_{máx.}$ Cumple	N.P.[3]	x: 0.07 m η = 11.8	x: 0.71 m η = 0.6	x: 0.07 m η = 2.2	x: 0.07 m η = 7.6	x: 0.391 m η = 1.5	x: 0.07 m η = 0.5	x: 0.07 m η = 2.2	x: 0.07 m η = 7.9	x: 0.07 m η = 0.1	x: 0.07 m η = 0.6	N.P.[4]	x: 0.07 m η = 19.5	x: 0.07 m η = 20.3	**CUMPLE h = 20.3**
N252/N205	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 12.9	x: 0.07 m η = 0.2	η = 2.3	x: 0.711 m η = 5.2	x: 0.711 m η = 13.6	η = 2.6	x: 0.71 m η = 0.7	x: 0.711 m η = 5.3	x: 0.711 m η = 14.6	x: 0.711 m η = 0.3	x: 0.711 m η = 2.2	x: 0.711 m η = 36.0	x: 0.711 m η = 18.1	x: 0.711 m η = 30.2	**CUMPLE h = 36.0**
N255/N206	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 12.4	x: 0.07 m η = 5.0	x: 0.71 m η = 0.8	x: 0.07 m η = 2.2	x: 0.07 m η = 9.2	x: 0.71 m η = 1.3	x: 0.07 m η = 0.2	x: 0.07 m η = 2.3	x: 0.07 m η = 9.4	x: 0.07 m η = 0.1	x: 0.07 m η = 0.9	x: 0.07 m η = 21.1	x: 0.07 m η = 9.4	x: 0.07 m η = 19.4	**CUMPLE h = 21.1**
N255/N208	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 7.5	x: 0.07 m η = 15.4	x: 0.07 m η = 1.3	x: 0.07 m η = 2.5	x: 0.711 m η = 3.3	x: 0.391 m η = 0.3	x: 0.551 m η = 0.5	x: 0.07 m η = 3.1	x: 0.711 m η = 3.9	x: 0.07 m η = 0.1	x: 0.711 m η = 0.2	x: 0.07 m η = 11.4	x: 0.07 m η = 18.4	x: 0.07 m η = 18.2	**CUMPLE h = 18.4**
N232/N208	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 10.0	x: 0.07 m η = 7.4	x: 0.23 m η = 1.4	x: 0.07 m η = 6.5	x: 0.711 m η = 5.5	x: 0.23 m η = 0.8	x: 0.07 m η = 1.0	x: 0.07 m η = 6.6	x: 0.711 m η = 6.1	x: 0.07 m η = 0.4	x: 0.711 m η = 0.4	x: 0.07 m η = 17.8	x: 0.07 m η = 14.0	x: 0.07 m η = 17.5	**CUMPLE h = 17.8**
N238/N190	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.252 m η = 2.6	x: 0.252 m η = 0.5	x: 0.252 m η = 1.5	x: 0.455 m η = 14.4	x: 0.455 m η = 11.8	x: 0.454 m η = 4.2	x: 0.252 m η = 5.4	x: 0.455 m η = 15.1	x: 0.455 m η = 12.3	x: 0.455 m η = 2.6	x: 0.455 m η = 1.7	x: 0.455 m η = 31.0	x: 0.455 m η = 27.3	x: 0.455 m η = 23.1	**CUMPLE h = 31.0**
N239/N191	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.6	x: 0.045 m η = 0.2	x: 0.249 m η = 1.3	x: 0.452 m η = 1.6	x: 0.045 m η = 5.2	η = 1.9	x: 0.249 m η = 0.6	x: 0.452 m η = 2.2	x: 0.045 m η = 5.4	x: 0.452 m η = 0.1	x: 0.045 m η = 0.3	x: 0.045 m η = 9.9	x: 0.045 m η = 6.5	x: 0.045 m η = 6.9	**CUMPLE h = 9.9**
N240/N192	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.1	x: 0.048 m η = 1.1	η = 0.5	x: 0.048 m η = 1.7	x: 0.455 m η = 5.0	x: 0.454 m η = 1.8	η = 0.6	x: 0.048 m η = 1.9	x: 0.455 m η = 5.1	x: 0.048 m η < 0.1	x: 0.455 m η = 0.3	x: 0.455 m η = 4.4	x: 0.455 m η = 8.1	x: 0.455 m η = 7.6	**CUMPLE h = 8.1**
N241/N193	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.6	x: 0.045 m η = 1.0	η = 0.5	x: 0.452 m η = 1.6	x: 0.045 m η = 3.8	x: 0.045 m η = 1.4	x: 0.249 m η = 0.5	x: 0.452 m η = 1.8	x: 0.045 m η = 4.0	x: 0.452 m η < 0.1	x: 0.045 m η = 0.2	x: 0.452 m η = 7.8	x: 0.452 m η = 5.1	x: 0.452 m η = 5.7	**CUMPLE h = 7.8**
N242/N194	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.7	x: 0.048 m η = 1.9	η = 0.4	x: 0.048 m η = 2.9	x: 0.048 m η = 3.4	x: 0.454 m η = 1.3	η = 1.0	x: 0.048 m η = 3.0	x: 0.048 m η = 3.6	x: 0.048 m η = 0.1	x: 0.048 m η = 0.1	x: 0.048 m η = 6.9	x: 0.048 m η = 8.5	x: 0.048 m η = 7.5	**CUMPLE h = 8.5**
N243/N195	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 1.6	x: 0.249 m η = 1.2	η = 0.2	x: 0.452 m η = 2.6	x: 0.045 m η = 2.3	x: 0.451 m η = 0.9	x: 0.249 m η = 0.9	x: 0.452 m η = 2.6	x: 0.045 m η = 2.4	x: 0.452 m η = 0.1	x: 0.045 m η = 0.1	x: 0.452 m η = 7.7	x: 0.452 m η = 4.9	x: 0.452 m η = 5.8	**CUMPLE h = 7.7**
N244/N196	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 1.0	x: 0.048 m η = 2.2	η = 0.1	x: 0.048 m η = 1.8	x: 0.455 m η = 1.6	x: 0.048 m η = 0.6	η = 0.6	x: 0.048 m η = 1.8	x: 0.455 m η = 1.6	x: 0.048 m η < 0.1	x: 0.455 m η < 0.1	x: 0.048 m η = 4.0	x: 0.048 m η = 5.3	x: 0.048 m η = 4.9	**CUMPLE h = 5.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N245/N197	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.7	x: 0.045 m η = 1.4	η = 0.2	x: 0.452 m η = 1.8	x: 0.045 m η = 0.6	η = 0.2	η = 0.6	x: 0.452 m η = 1.8	x: 0.045 m η = 0.7	x: 0.452 m η < 0.1	x: 0.045 m η < 0.1	x: 0.452 m η = 4.1	x: 0.452 m η = 3.1	x: 0.452 m η = 3.9	**CUMPLE h = 4.1**
N246/N198	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 1.0	x: 0.048 m η = 2.2	x: 0.454 m η = 0.1	x: 0.048 m η = 1.9	x: 0.455 m η = 1.4	x: 0.048 m η = 0.5	η = 0.6	x: 0.048 m η = 1.9	x: 0.455 m η = 1.4	x: 0.048 m η < 0.1	x: 0.455 m η < 0.1	x: 0.048 m η = 3.8	x: 0.048 m η = 5.1	x: 0.048 m η = 4.8	**CUMPLE h = 5.1**
N247/N199	w / t ≤(w / t)máx. Cumple	x: 0.249 m η = 1.5	x: 0.249 m η = 1.2	η = 0.2	x: 0.452 m η = 1.6	x: 0.045 m η = 2.1	x: 0.451 m η = 0.8	x: 0.249 m η = 0.5	x: 0.452 m η = 1.7	x: 0.045 m η = 2.1	x: 0.452 m η < 0.1	x: 0.045 m η < 0.1	x: 0.452 m η = 6.2	x: 0.452 m η = 4.2	x: 0.452 m η = 4.6	**CUMPLE h = 6.2**
N248/N200	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.7	x: 0.048 m η = 1.8	η = 0.3	x: 0.048 m η = 1.4	x: 0.455 m η = 3.1	x: 0.048 m η = 1.2	η = 0.5	x: 0.048 m η = 1.5	x: 0.455 m η = 3.2	x: 0.048 m η < 0.1	x: 0.455 m η = 0.1	x: 0.048 m η = 4.7	x: 0.048 m η = 6.5	x: 0.048 m η = 6.0	**CUMPLE h = 6.5**
N249/N201	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.0	x: 0.045 m η = 0.6	η = 0.4	x: 0.452 m η = 0.7	x: 0.045 m η = 3.9	x: 0.045 m η = 1.5	η = 0.2	x: 0.452 m η = 0.9	x: 0.045 m η = 4.1	x: 0.451 m η < 0.1	x: 0.045 m η = 0.2	x: 0.452 m η = 7.2	x: 0.452 m η = 4.2	x: 0.452 m η = 5.9	**CUMPLE h = 7.2**
N250/N202	w / t ≤(w / t)máx. Cumple	x: 0.454 m η < 0.1	x: 0.048 m η = 1.1	x: 0.252 m η = 0.4	x: 0.048 m η = 0.4	x: 0.455 m η = 5.3	x: 0.454 m η = 2.0	η = 0.1	x: 0.048 m η = 0.6	x: 0.455 m η = 5.4	x: 0.048 m η < 0.1	x: 0.455 m η = 0.3	x: 0.048 m η = 3.5	x: 0.048 m η = 7.0	x: 0.455 m η = 7.6	**CUMPLE h = 7.6**
N251/N203	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.6	x: 0.045 m η = 0.2	x: 0.249 m η = 1.0	x: 0.452 m η = 1.9	x: 0.045 m η = 5.5	η = 2.0	x: 0.249 m η = 0.7	x: 0.452 m η = 2.4	x: 0.045 m η = 5.9	x: 0.452 m η = 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 10.7	x: 0.045 m η = 6.7	x: 0.045 m η = 7.7	**CUMPLE h = 10.7**
N252/N204	w / t ≤(w / t)máx. Cumple	x: 0.252 m η = 2.6	x: 0.252 m η = 0.4	x: 0.252 m η = 1.5	x: 0.455 m η = 14.0	x: 0.455 m η = 12.4	x: 0.454 m η = 4.4	x: 0.252 m η = 5.2	x: 0.455 m η = 14.7	x: 0.455 m η = 12.9	x: 0.455 m η = 2.4	x: 0.455 m η = 1.9	x: 0.455 m η = 34.4	x: 0.455 m η = 27.4	x: 0.455 m η = 23.2	**CUMPLE h = 34.4**
N255/N207	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 0.9	x: 0.252 m η = 2.8	x: 0.455 m η = 5.3	x: 0.048 m η = 11.5	x: 0.454 m η = 4.1	x: 0.252 m η = 1.9	x: 0.455 m η = 6.5	x: 0.048 m η = 11.7	x: 0.455 m η = 0.5	x: 0.048 m η = 1.5	x: 0.455 m η = 15.0	x: 0.048 m η = 12.9	x: 0.048 m η = 14.6	**CUMPLE h = 15.0**
N256/N208	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.3	x: 0.045 m η = 0.8	x: 0.249 m η = 1.4	x: 0.452 m η = 0.8	x: 0.045 m η = 9.0	x: 0.451 m η = 3.3	η = 0.3	x: 0.452 m η = 1.3	x: 0.045 m η = 9.2	x: 0.451 m η < 0.1	x: 0.045 m η = 1.0	x: 0.045 m η = 13.3	x: 0.045 m η = 7.5	x: 0.045 m η = 12.6	**CUMPLE h = 13.3**
N338/N310	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.5	x: 0.045 m η = 0.2	x: 0.2 m η = 1.1	x: 0.355 m η = 1.2	x: 0.355 m η = 1.3	η = 0.2	x: 0.354 m η = 0.6	x: 0.355 m η = 1.6	x: 0.355 m η = 1.6	x: 0.355 m η < 0.1	x: 0.354 m η < 0.1	N.P.[4]	x: 0.355 m η = 2.3	x: 0.355 m η = 2.4	**CUMPLE h = 2.4**
N339/N311	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.3	η = 0.9	x: 0.355 m η = 1.2	x: 0.355 m η = 2.2	η = 0.7	x: 0.354 m η = 0.6	x: 0.355 m η = 1.6	x: 0.355 m η = 2.3	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 4.1	x: 0.355 m η = 3.0	x: 0.355 m η = 3.3	**CUMPLE h = 4.1**
N340/N312	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.3	x: 0.2 m η = 0.8	x: 0.045 m η = 1.6	x: 0.355 m η = 0.7	x: 0.354 m η = 0.3	x: 0.354 m η = 0.7	x: 0.045 m η = 1.9	x: 0.355 m η = 1.1	x: 0.045 m η < 0.1	x: 0.354 m η < 0.1	N.P.[4]	x: 0.045 m η = 2.2	x: 0.045 m η = 2.7	**CUMPLE h = 2.7**
N341/N313	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.8	x: 0.045 m η = 0.3	η = 0.9	x: 0.355 m η = 1.6	x: 0.355 m η = 2.2	η = 0.7	x: 0.354 m η = 0.8	x: 0.355 m η = 2.0	x: 0.355 m η = 2.2	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 3.8	x: 0.355 m η = 2.6	x: 0.355 m η = 3.2	**CUMPLE h = 3.8**
N342/N314	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.4	x: 0.2 m η = 0.7	x: 0.045 m η = 2.0	x: 0.355 m η = 0.7	x: 0.354 m η = 0.3	x: 0.354 m η = 0.9	x: 0.045 m η = 2.3	x: 0.355 m η = 1.0	x: 0.045 m η = 0.1	x: 0.354 m η < 0.1	x: 0.355 m η = 4.6	x: 0.045 m η = 2.0	x: 0.045 m η = 3.2	**CUMPLE h = 4.6**
N343/N315	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.9	x: 0.045 m η = 0.5	η = 0.7	x: 0.355 m η = 2.1	x: 0.355 m η = 2.3	η = 0.8	x: 0.354 m η = 1.0	x: 0.355 m η = 2.4	x: 0.355 m η = 2.3	x: 0.355 m η = 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 5.1	x: 0.355 m η = 2.8	x: 0.355 m η = 3.8	**CUMPLE h = 5.1**
N344/N316	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.6	x: 0.045 m η = 0.2	x: 0.045 m η = 0.5	x: 0.045 m η = 4.1	x: 0.355 m η = 0.6	x: 0.045 m η = 0.2	x: 0.354 m η = 1.9	x: 0.045 m η = 4.4	x: 0.355 m η = 0.7	x: 0.045 m η = 0.2	x: 0.354 m η < 0.1	x: 0.045 m η = 6.6	x: 0.045 m η = 2.1	x: 0.045 m η = 5.8	**CUMPLE h = 6.6**
N336/N317	w / t ≤(w / t)máx. Cumple	x: 0.355 m η = 0.5	x: 0.046 m η = 3.4	η = 0.2	x: 0.356 m η = 3.8	x: 0.046 m η = 0.5	x: 0.355 m η = 0.2	η = 1.7	x: 0.356 m η = 3.8	x: 0.046 m η = 0.5	x: 0.356 m η = 0.2	x: 0.046 m η < 0.1	x: 0.356 m η = 4.8	x: 0.046 m η = 6.2	x: 0.046 m η = 6.9	**CUMPLE h = 6.9**
N335/N327	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.6	x: 0.045 m η = 0.3	x: 0.045 m η = 0.5	x: 0.045 m η = 4.1	x: 0.355 m η = 0.6	x: 0.045 m η = 0.2	x: 0.354 m η = 1.8	x: 0.045 m η = 4.3	x: 0.355 m η = 0.7	x: 0.045 m η = 0.2	x: 0.354 m η < 0.1	x: 0.045 m η = 6.5	x: 0.045 m η = 2.0	x: 0.045 m η = 5.7	**CUMPLE h = 6.5**
N334/N326	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.9	x: 0.045 m η = 0.5	η = 0.7	x: 0.355 m η = 2.1	x: 0.355 m η = 2.3	η = 0.8	x: 0.354 m η = 1.0	x: 0.355 m η = 2.4	x: 0.355 m η = 2.4	x: 0.355 m η = 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 5.1	x: 0.355 m η = 2.8	x: 0.355 m η = 3.8	**CUMPLE h = 5.1**
N333/N325	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.4	x: 0.2 m η = 0.7	x: 0.045 m η = 1.9	x: 0.355 m η = 0.7	x: 0.354 m η = 0.3	x: 0.354 m η = 0.9	x: 0.045 m η = 2.3	x: 0.355 m η = 1.0	x: 0.045 m η = 0.1	x: 0.354 m η < 0.1	x: 0.355 m η = 4.6	x: 0.045 m η = 2.0	x: 0.045 m η = 3.2	**CUMPLE h = 4.6**
N332/N324	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.8	x: 0.045 m η = 0.3	η = 0.8	x: 0.355 m η = 1.6	x: 0.355 m η = 2.2	η = 0.7	x: 0.354 m η = 0.8	x: 0.355 m η = 1.9	x: 0.355 m η = 2.2	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 3.7	x: 0.355 m η = 2.6	x: 0.355 m η = 3.2	**CUMPLE h = 3.7**
N331/N323	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.3	x: 0.2 m η = 0.8	x: 0.045 m η = 1.5	x: 0.355 m η = 0.7	x: 0.354 m η = 0.3	x: 0.354 m η = 0.7	x: 0.045 m η = 1.8	x: 0.355 m η = 1.0	x: 0.045 m η < 0.1	x: 0.354 m η < 0.1	N.P.[4]	x: 0.045 m η = 2.2	x: 0.045 m η = 2.6	**CUMPLE h = 2.6**
N329/N321	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.5	x: 0.045 m η = 0.3	x: 0.2 m η = 1.0	x: 0.355 m η = 1.3	x: 0.355 m η = 0.7	η = 0.2	x: 0.354 m η = 0.6	x: 0.045 m η = 1.5	x: 0.355 m η = 0.8	x: 0.355 m η < 0.1	x: 0.354 m η < 0.1	N.P.[4]	x: 0.355 m η = 2.1	x: 0.355 m η = 2.0	**CUMPLE h = 2.1**
N328/N320	w / t ≤(w / t)máx. Cumple	x: 0.046 m η = 3.0	x: 0.045 m η = 0.7	η = 0.6	x: 0.045 m η = 4.4	x: 0.355 m η = 4.2	x: 0.046 m η = 1.6	x: 0.354 m η = 1.7	x: 0.045 m η = 4.4	x: 0.355 m η = 4.4	x: 0.045 m η = 0.2	x: 0.355 m η = 0.2	x: 0.045 m η = 9.6	x: 0.355 m η = 5.2	x: 0.355 m η = 7.4	**CUMPLE h = 9.6**
N205/N319	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 1.6	x: 0.058 m η = 0.4	η = 1.0	x: 0.058 m η = 10.3	x: 0.058 m η = 11.1	η = 3.1	x: 0.206 m η = 4.6	x: 0.058 m η = 10.4	x: 0.058 m η = 11.6	x: 0.058 m η = 1.3	x: 0.058 m η = 1.4	x: 0.058 m η = 29.0	x: 0.058 m η = 13.3	x: 0.058 m η = 20.2	**CUMPLE h = 29.0**
N12/N184	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 0.8	x: 0.045 m η = 0.5	x: 0.352 m η = 0.4	x: 0.198 m η = 0.2	x: 0.045 m η = 0.2	x: 0.045 m η = 0.8	x: 0.352 m η = 0.7	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.[4]	x: 0.352 m η = 1.4	x: 0.198 m η = 1.1	**CUMPLE h = 1.4**
N51/N223	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.0	x: 0.045 m η = 21.3	x: 0.352 m η = 3.5	η = 1.8	x: 0.045 m η = 10.6	x: 0.045 m η = 21.4	x: 0.352 m η = 3.6	x: 0.045 m η = 5.7	x: 0.045 m η = 0.2	x: 0.045 m η = 31.2	x: 0.352 m η = 24.8	x: 0.045 m η = 27.0	**CUMPLE h = 31.2**
N40/N212	w / t ≤(w / t)máx. Cumple	η < 0.1	N.P.[1]	η = 1.4	x: 0.045 m η = 22.5	x: 0.352 m η = 2.7	η = 1.4	x: 0.045 m η = 11.2	x: 0.045 m η = 22.8	x: 0.352 m η = 3.0	x: 0.045 m η = 6.5	x: 0.352 m η = 0.1	x: 0.045 m η = 32.2	N.P.[2]	x: 0.045 m η = 28.3	**CUMPLE h = 32.2**
N41/N213	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.045 m η = 17.3	x: 0.045 m η = 6.0	η = 3.0	x: 0.045 m η = 8.6	x: 0.045 m η = 17.6	x: 0.045 m η = 6.3	x: 0.045 m η = 3.8	x: 0.045 m η = 0.5	x: 0.045 m η = 29.8	x: 0.352 m η = 23.7	x: 0.045 m η = 22.8	**CUMPLE h = 29.8**
N52/N224	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 0.7	x: 0.045 m η = 27.2	x: 0.045 m η = 7.1	η = 3.5	x: 0.045 m η = 13.6	x: 0.045 m η = 27.5	x: 0.045 m η = 7.4	x: 0.045 m η = 9.4	x: 0.045 m η = 0.7	x: 0.045 m η = 43.7	x: 0.352 m η = 34.7	x: 0.045 m η = 35.2	**CUMPLE h = 43.7**
N42/N214	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.9	x: 0.045 m η = 20.3	x: 0.352 m η = 5.0	η = 2.5	x: 0.045 m η = 10.1	x: 0.045 m η = 20.7	x: 0.352 m η = 5.4	x: 0.045 m η = 5.3	x: 0.352 m η = 0.4	x: 0.045 m η = 32.7	x: 0.045 m η = 26.2	x: 0.045 m η = 26.2	**CUMPLE h = 32.7**
N53/N225	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.9	x: 0.045 m η = 23.3	x: 0.352 m η = 4.1	η = 2.1	x: 0.045 m η = 11.6	x: 0.045 m η = 23.7	x: 0.352 m η = 4.5	x: 0.045 m η = 7.0	x: 0.045 m η = 0.2	x: 0.045 m η = 35.2	x: 0.352 m η = 28.0	x: 0.045 m η = 29.6	**CUMPLE h = 35.2**
N43/N215	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.045 m η = 16.5	x: 0.045 m η = 3.6	η = 1.8	x: 0.045 m η = 8.2	x: 0.045 m η = 16.7	x: 0.045 m η = 3.8	x: 0.045 m η = 3.5	x: 0.045 m η = 0.2	x: 0.045 m η = 25.5	x: 0.045 m η = 20.4	x: 0.045 m η = 20.9	**CUMPLE h = 25.5**
N54/N226	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.045 m η = 27.4	x: 0.045 m η = 4.4	η = 2.2	x: 0.045 m η = 13.7	x: 0.045 m η = 27.6	x: 0.045 m η = 4.6	x: 0.045 m η = 9.5	x: 0.045 m η = 0.3	x: 0.045 m η = 40.4	x: 0.045 m η = 32.3	x: 0.045 m η = 34.7	**CUMPLE h = 40.4**
N44/N216	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.0	x: 0.045 m η = 20.2	x: 0.352 m η = 3.6	η = 1.8	x: 0.045 m η = 10.1	x: 0.045 m η = 20.6	x: 0.352 m η = 4.0	x: 0.045 m η = 5.2	x: 0.045 m η = 0.2	x: 0.045 m η = 30.7	x: 0.352 m η = 24.4	x: 0.045 m η = 25.6	**CUMPLE h = 30.7**
N55/N227	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.9	x: 0.045 m η = 23.4	x: 0.045 m η = 2.9	η = 1.5	x: 0.045 m η = 11.7	x: 0.045 m η = 23.8	x: 0.045 m η = 3.3	x: 0.045 m η = 7.0	x: 0.045 m η = 0.1	x: 0.045 m η = 33.9	x: 0.352 m η = 26.9	x: 0.045 m η = 29.4	**CUMPLE h = 33.9**
N45/N217	x: 0.045 m w / t ≤(w / t)máx. Cumple	N.P.[3]	N.P.[1]	η = 0.6	x: 0.045 m η = 16.5	x: 0.045 m η = 2.2	η = 1.1	x: 0.045 m η = 8.2	x: 0.045 m η = 16.7	x: 0.045 m η = 2.5	x: 0.045 m η = 3.5	x: 0.045 m η = 0.1	x: 0.045 m η = 23.3	N.P.[2]	x: 0.198 m η = 8.6	**CUMPLE h = 23.3**
N56/N228	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.045 m η = 26.9	x: 0.045 m η = 2.7	η = 1.3	x: 0.045 m η = 13.4	x: 0.045 m η = 27.1	x: 0.045 m η = 2.9	x: 0.045 m η = 9.2	x: 0.045 m η = 0.1	x: 0.045 m η = 37.6	x: 0.045 m η = 30.1	x: 0.045 m η = 33.6	**CUMPLE h = 37.6**
N46/N218	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.0	x: 0.045 m η = 19.7	x: 0.045 m η = 1.9	η = 1.0	x: 0.045 m η = 9.8	x: 0.045 m η = 20.1	x: 0.045 m η = 2.3	x: 0.045 m η = 5.0	x: 0.045 m η = 0.1	x: 0.045 m η = 28.1	x: 0.045 m η = 22.5	x: 0.045 m η = 24.6	**CUMPLE h = 28.1**
N57/N229	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.9	x: 0.045 m η = 23.0	x: 0.045 m η = 1.6	η = 0.8	x: 0.045 m η = 11.4	x: 0.045 m η = 23.3	x: 0.045 m η = 1.9	x: 0.045 m η = 6.8	x: 0.045 m η < 0.1	x: 0.045 m η = 31.6	x: 0.045 m η = 25.3	x: 0.045 m η = 28.7	**CUMPLE h = 31.6**
N47/N219	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.045 m η = 15.6	x: 0.045 m η = 1.2	η = 0.6	x: 0.045 m η = 7.8	x: 0.045 m η = 15.8	x: 0.045 m η = 1.4	x: 0.045 m η = 3.1	x: 0.045 m η < 0.1	x: 0.045 m η = 21.5	x: 0.045 m η = 17.1	x: 0.045 m η = 19.5	**CUMPLE h = 21.5**
N58/N230	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.045 m η = 26.9	x: 0.352 m η = 1.5	η = 0.7	x: 0.045 m η = 13.4	x: 0.045 m η = 27.1	x: 0.352 m η = 1.7	x: 0.045 m η = 9.1	x: 0.045 m η < 0.1	x: 0.045 m η = 36.0	x: 0.352 m η = 28.6	x: 0.045 m η = 33.6	**CUMPLE h = 36.0**
N48/N220	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.8	x: 0.352 m η = 16.7	x: 0.046 m η = 2.5	η = 1.2	x: 0.045 m η = 8.3	x: 0.352 m η = 17.0	x: 0.046 m η = 2.6	x: 0.045 m η = 3.6	x: 0.046 m η = 0.1	x: 0.352 m η = 24.3	x: 0.352 m η = 19.5	x: 0.352 m η = 21.0	**CUMPLE h = 24.3**
N59/N231	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 0.7	x: 0.045 m η = 23.4	x: 0.045 m η = 2.6	η = 1.3	x: 0.045 m η = 11.7	x: 0.045 m η = 23.7	x: 0.352 m η = 2.8	x: 0.045 m η = 7.0	x: 0.045 m η = 0.1	x: 0.045 m η = 33.1	x: 0.045 m η = 26.5	x: 0.045 m η = 29.3	**CUMPLE h = 33.1**
N49/N221	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 0.7	x: 0.045 m η = 6.0	x: 0.352 m η = 5.0	η = 2.5	x: 0.045 m η = 3.0	x: 0.045 m η = 6.3	x: 0.045 m η = 5.1	x: 0.045 m η = 0.5	x: 0.045 m η = 0.3	x: 0.045 m η = 14.3	x: 0.352 m η = 11.3	x: 0.045 m η = 9.6	**CUMPLE h = 14.3**
N116/N288	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 1.3	x: 0.045 m η = 47.5	x: 0.352 m η = 2.7	η = 1.4	x: 0.045 m η = 23.7	x: 0.045 m η = 48.0	x: 0.352 m η = 3.2	x: 0.045 m η = 28.6	x: 0.352 m η = 0.1	x: 0.045 m η = 64.0	x: 0.045 m η = 51.0	x: 0.045 m η = 59.4	**CUMPLE h = 64.0**
N126/N298	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 1.0	x: 0.045 m η = 41.9	x: 0.352 m η = 4.7	η = 2.4	x: 0.045 m η = 20.9	x: 0.045 m η = 42.1	x: 0.352 m η = 5.0	x: 0.045 m η = 22.1	x: 0.352 m η = 0.3	x: 0.045 m η = 58.9	x: 0.045 m η = 47.0	x: 0.352 m η = 52.6	**CUMPLE h = 58.9**
N117/N289	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.045 m η = 39.7	x: 0.045 m η = 7.3	η = 3.6	x: 0.045 m η = 19.8	x: 0.045 m η = 40.0	x: 0.045 m η = 7.5	x: 0.045 m η = 19.9	x: 0.045 m η = 0.7	x: 0.045 m η = 59.4	x: 0.045 m η = 47.5	x: 0.045 m η = 50.5	**CUMPLE h = 59.4**
N127/N299	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.5	x: 0.045 m η = 52.5	x: 0.045 m η = 8.5	x: 0.198 m η = 4.2	x: 0.045 m η = 26.2	x: 0.045 m η = 52.7	x: 0.045 m η = 8.7	x: 0.045 m η = 34.6	x: 0.045 m η = 0.9	x: 0.045 m η = 76.7	x: 0.352 m η = 61.0	x: 0.045 m η = 66.5	**CUMPLE h = 76.7**
N118/N290	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.0	x: 0.045 m η = 47.1	x: 0.045 m η = 5.5	η = 2.8	x: 0.045 m η = 23.5	x: 0.045 m η = 47.6	x: 0.045 m η = 6.0	x: 0.045 m η = 28.2	x: 0.045 m η = 0.4	x: 0.045 m η = 67.0	x: 0.045 m η = 53.6	x: 0.045 m η = 59.2	**CUMPLE h = 67.0**
N128/N300	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.0	x: 0.045 m η = 44.9	x: 0.352 m η = 4.6	η = 2.3	x: 0.045 m η = 22.4	x: 0.045 m η = 45.3	x: 0.352 m η = 5.0	x: 0.045 m η = 25.5	x: 0.045 m η = 0.3	x: 0.045 m η = 62.8	x: 0.045 m η = 50.3	x: 0.045 m η = 56.1	**CUMPLE h = 62.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_x	M_yV_x	MT	MP	TPTrMV	
N119/N291	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.7$	x: 0.045 m $\eta = 38.8$	x: 0.045 m $\eta = 3.2$	$\eta = 1.6$	x: 0.045 m $\eta = 19.3$	x: 0.045 m $\eta = 38.9$	x: 0.045 m $\eta = 3.3$	x: 0.045 m $\eta = 18.9$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 52.7$	x: 0.352 m $\eta = 42.0$	x: 0.045 m $\eta = 48.5$	**CUMPLE h = 52.7**
N129/N301	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.045 m $\eta = 53.1$	x: 0.352 m $\eta = 3.9$	$\eta = 0.7$	x: 0.045 m $\eta = 26.4$	x: 0.045 m $\eta = 53.1$	x: 0.352 m $\eta = 4.0$	x: 0.045 m $\eta = 35.2$	x: 0.045 m $\eta = 0.2$	x: 0.045 m $\eta = 71.4$	x: 0.045 m $\eta = 56.7$	x: 0.352 m $\eta = 66.3$	x: 0.045 m $\eta = 66.3$	**CUMPLE h = 71.4**		
N120/N292	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.1$	x: 0.045 m $\eta = 47.0$	x: 0.045 m $\eta = 2.2$	$\eta = 1.1$	x: 0.045 m $\eta = 23.4$	x: 0.045 m $\eta = 47.4$	x: 0.045 m $\eta = 2.7$	x: 0.045 m $\eta = 28.0$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 62.6$	x: 0.045 m $\eta = 50.1$	x: 0.045 m $\eta = 58.7$	**CUMPLE h = 62.6**
N130/N302	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 44.7$	x: 0.045 m $\eta = 1.8$	$\eta = 0.9$	x: 0.045 m $\eta = 22.3$	x: 0.045 m $\eta = 45.1$	x: 0.045 m $\eta = 2.2$	x: 0.045 m $\eta = 25.3$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 59.2$	x: 0.045 m $\eta = 47.4$	x: 0.045 m $\eta = 55.9$	**CUMPLE h = 59.2**
N121/N293	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.7$	x: 0.045 m $\eta = 38.8$	x: 0.045 m $\eta = 0.4$	$\eta = 0.2$	x: 0.045 m $\eta = 19.3$	x: 0.045 m $\eta = 38.9$	x: 0.045 m $\eta = 0.5$	x: 0.045 m $\eta = 18.9$	x: 0.045 m $\eta < 0.1$	x: 0.045 m $\eta = 49.3$	x: 0.045 m $\eta = 39.2$	x: 0.045 m $\eta = 48.5$	**CUMPLE h = 49.3**
N131/N303	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.8$	x: 0.045 m $\eta = 53.1$	x: 0.352 m $\eta = 0.5$	$\eta = 0.3$	x: 0.045 m $\eta = 26.4$	x: 0.045 m $\eta = 53.1$	x: 0.352 m $\eta = 0.6$	x: 0.045 m $\eta = 35.2$	x: 0.352 m $\eta < 0.1$	x: 0.045 m $\eta = 67.2$	x: 0.045 m $\eta = 53.4$	x: 0.045 m $\eta = 66.3$	**CUMPLE h = 67.2**
N122/N294	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.1$	x: 0.352 m $\eta = 46.8$	x: 0.352 m $\eta = 1.2$	$\eta = 0.6$	x: 0.045 m $\eta = 23.3$	x: 0.352 m $\eta = 47.3$	x: 0.352 m $\eta = 1.7$	x: 0.352 m $\eta = 27.8$	x: 0.352 m $\eta < 0.1$	x: 0.352 m $\eta = 61.0$	x: 0.352 m $\eta = 49.0$	x: 0.352 m $\eta = 58.6$	**CUMPLE h = 61.0**
N132/N304	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m $\eta < 0.1$	x: 0.198 m $\eta < 0.1$	$\eta = 1.0$	x: 0.352 m $\eta = 44.7$	x: 0.352 m $\eta = 1.0$	x: 0.198 m $\eta = 0.5$	x: 0.198 m $\eta = 22.3$	x: 0.352 m $\eta = 45.1$	x: 0.352 m $\eta = 1.4$	x: 0.352 m $\eta = 25.3$	x: 0.352 m $\eta < 0.1$	x: 0.352 m $\eta = 57.9$	x: 0.352 m $\eta = 46.5$	x: 0.352 m $\eta = 55.9$	**CUMPLE h = 57.9**
N123/N295	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta = 0.2$	$\eta = 0.2$	$\eta = 0.6$	x: 0.045 m $\eta = 38.2$	x: 0.045 m $\eta = 2.6$	$\eta = 1.3$	x: 0.045 m $\eta = 18.9$	x: 0.045 m $\eta = 38.3$	x: 0.045 m $\eta = 2.7$	x: 0.045 m $\eta = 18.2$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 51.5$	x: 0.045 m $\eta = 41.0$	x: 0.045 m $\eta = 48.0$	**CUMPLE h = 51.5**
N133/N305	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m $\eta = 0.2$	x: 0.198 m $\eta = 0.2$	$\eta = 0.7$	x: 0.045 m $\eta = 51.8$	x: 0.045 m $\eta = 3.2$	x: 0.198 m $\eta = 1.5$	x: 0.198 m $\eta = 25.7$	x: 0.045 m $\eta = 51.9$	x: 0.045 m $\eta = 3.3$	x: 0.045 m $\eta = 33.6$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 69.2$	x: 0.045 m $\eta = 55.1$	x: 0.045 m $\eta = 65.0$	**CUMPLE h = 69.2**
N124/N296	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.045 m $\eta = 0.8$	x: 0.045 m $\eta = 0.9$	$\eta = 1.1$	x: 0.352 m $\eta = 40.0$	x: 0.352 m $\eta = 3.3$	x: 0.198 m $\eta = 1.7$	x: 0.046 m $\eta = 19.4$	x: 0.352 m $\eta = 40.5$	x: 0.352 m $\eta = 3.5$	x: 0.352 m $\eta = 20.1$	x: 0.352 m $\eta = 0.1$	x: 0.352 m $\eta = 55.4$	x: 0.352 m $\eta = 44.7$	x: 0.352 m $\eta = 50.9$	**CUMPLE h = 55.4**
N134/N306	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.351 m $\eta = 0.5$	x: 0.351 m $\eta = 0.5$	$\eta = 0.9$	x: 0.352 m $\eta = 36.5$	x: 0.045 m $\eta = 3.1$	x: 0.351 m $\eta = 1.4$	x: 0.351 m $\eta = 17.7$	x: 0.352 m $\eta = 36.8$	x: 0.045 m $\eta = 3.4$	x: 0.352 m $\eta = 16.7$	x: 0.045 m $\eta = 0.1$	x: 0.352 m $\eta = 50.1$	x: 0.352 m $\eta = 40.3$	x: 0.352 m $\eta = 46.1$	**CUMPLE h = 50.1**
N106/N278	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 41.7$	x: 0.045 m $\eta = 4.9$	$\eta = 2.4$	x: 0.045 m $\eta = 20.8$	x: 0.045 m $\eta = 41.9$	x: 0.045 m $\eta = 5.1$	x: 0.045 m $\eta = 21.9$	x: 0.045 m $\eta = 0.3$	x: 0.045 m $\eta = 58.8$	x: 0.352 m $\eta = 46.8$	x: 0.045 m $\eta = 52.4$	**CUMPLE h = 58.8**
N96/N268	x: 0.045 m $w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	N.P.[1]	$\eta = 1.3$	x: 0.045 m $\eta = 47.5$	x: 0.045 m $\eta = 2.9$	$\eta = 1.4$	x: 0.045 m $\eta = 23.7$	x: 0.045 m $\eta = 48.0$	x: 0.045 m $\eta = 3.4$	x: 0.045 m $\eta = 28.7$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 64.2$	N.P.[2]	x: 0.045 m $\eta = 59.4$	**CUMPLE h = 64.2**
N107/N279	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.5$	x: 0.045 m $\eta = 52.5$	x: 0.045 m $\eta = 8.3$	$\eta = 4.1$	x: 0.045 m $\eta = 26.2$	x: 0.045 m $\eta = 52.7$	x: 0.045 m $\eta = 8.5$	x: 0.045 m $\eta = 34.6$	x: 0.045 m $\eta = 0.9$	x: 0.045 m $\eta = 76.4$	x: 0.352 m $\eta = 60.8$	x: 0.045 m $\eta = 66.4$	**CUMPLE h = 76.4**
N97/N269	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.6$	x: 0.045 m $\eta = 40.2$	x: 0.045 m $\eta = 7.2$	$\eta = 3.6$	x: 0.045 m $\eta = 20.0$	x: 0.045 m $\eta = 40.4$	x: 0.045 m $\eta = 7.5$	x: 0.045 m $\eta = 20.3$	x: 0.045 m $\eta = 0.7$	x: 0.045 m $\eta = 59.8$	x: 0.045 m $\eta = 47.8$	x: 0.045 m $\eta = 51.0$	**CUMPLE h = 59.8**
N108/N280	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 45.1$	x: 0.352 m $\eta = 4.5$	x: 0.198 m $\eta = 2.3$	x: 0.198 m $\eta = 22.6$	x: 0.045 m $\eta = 45.5$	x: 0.352 m $\eta = 4.9$	x: 0.045 m $\eta = 25.8$	x: 0.352 m $\eta = 0.3$	x: 0.045 m $\eta = 63.1$	x: 0.045 m $\eta = 50.5$	x: 0.045 m $\eta = 56.4$	**CUMPLE h = 63.1**
N98/N270	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.1$	x: 0.045 m $\eta = 47.9$	x: 0.352 m $\eta = 5.6$	x: 0.198 m $\eta = 2.8$	x: 0.198 m $\eta = 23.9$	x: 0.045 m $\eta = 48.3$	x: 0.352 m $\eta = 6.0$	x: 0.045 m $\eta = 29.0$	x: 0.352 m $\eta = 0.4$	x: 0.352 m $\eta = 67.6$	x: 0.045 m $\eta = 54.4$	x: 0.045 m $\eta = 60.1$	**CUMPLE h = 67.6**
N109/N281	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.8$	x: 0.045 m $\eta = 53.1$	x: 0.045 m $\eta = 3.8$	x: 0.198 m $\eta = 1.9$	x: 0.198 m $\eta = 26.5$	x: 0.045 m $\eta = 53.2$	x: 0.045 m $\eta = 3.9$	x: 0.045 m $\eta = 35.3$	x: 0.045 m $\eta = 0.2$	x: 0.045 m $\eta = 71.4$	x: 0.352 m $\eta = 56.7$	x: 0.045 m $\eta = 66.4$	**CUMPLE h = 71.4**
N99/N271	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.7$	x: 0.045 m $\eta = 38.7$	x: 0.045 m $\eta = 3.1$	x: 0.198 m $\eta = 1.6$	x: 0.198 m $\eta = 19.4$	x: 0.045 m $\eta = 38.8$	x: 0.045 m $\eta = 3.2$	x: 0.045 m $\eta = 18.8$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 52.5$	x: 0.045 m $\eta = 41.8$	x: 0.352 m $\eta = 48.4$	**CUMPLE h = 52.5**
N110/N282	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 44.8$	x: 0.045 m $\eta = 1.7$	x: 0.198 m $\eta = 0.9$	x: 0.045 m $\eta = 22.3$	x: 0.045 m $\eta = 45.2$	x: 0.045 m $\eta = 2.1$	x: 0.045 m $\eta = 25.4$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 59.2$	x: 0.045 m $\eta = 47.3$	x: 0.045 m $\eta = 56.0$	**CUMPLE h = 59.2**
N100/N272	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.1$	x: 0.045 m $\eta = 46.8$	x: 0.045 m $\eta = 2.1$	x: 0.198 m $\eta = 1.0$	x: 0.045 m $\eta = 23.3$	x: 0.045 m $\eta = 47.3$	x: 0.045 m $\eta = 2.6$	x: 0.045 m $\eta = 27.8$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 62.3$	x: 0.045 m $\eta = 49.8$	x: 0.045 m $\eta = 58.5$	**CUMPLE h = 62.3**
N111/N283	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta = 0.1$	$\eta = 0.1$	$\eta = 0.8$	x: 0.045 m $\eta = 52.8$	x: 0.352 m $\eta = 0.5$	$\eta = 0.3$	x: 0.045 m $\eta = 26.3$	x: 0.045 m $\eta = 52.9$	x: 0.352 m $\eta = 0.6$	x: 0.045 m $\eta = 34.9$	x: 0.351 m $\eta < 0.1$	x: 0.352 m $\eta = 66.5$	x: 0.045 m $\eta = 53.5$	x: 0.045 m $\eta = 66.0$	**CUMPLE h = 66.5**
N101/N273	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.7$	x: 0.045 m $\eta = 38.4$	x: 0.352 m $\eta = 0.4$	$\eta = 0.2$	x: 0.045 m $\eta = 19.1$	x: 0.045 m $\eta = 38.5$	x: 0.352 m $\eta = 0.5$	x: 0.045 m $\eta = 18.5$	x: 0.045 m $\eta < 0.1$	x: 0.045 m $\eta = 48.7$	x: 0.045 m $\eta = 38.8$	x: 0.045 m $\eta = 48.0$	**CUMPLE h = 48.7**
N102/N274	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta = 0.1$	$\eta = 0.2$	$\eta = 1.1$	x: 0.352 m $\eta = 46.0$	x: 0.352 m $\eta = 1.2$	$\eta = 0.6$	x: 0.045 m $\eta = 22.9$	x: 0.352 m $\eta = 46.4$	x: 0.352 m $\eta = 1.6$	x: 0.352 m $\eta = 26.8$	x: 0.352 m $\eta < 0.1$	x: 0.352 m $\eta = 60.0$	x: 0.352 m $\eta = 48.2$	x: 0.352 m $\eta = 57.6$	**CUMPLE h = 60.0**
N112/N284	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m $\eta < 0.1$	x: 0.198 m $\eta < 0.1$	$\eta = 1.0$	x: 0.352 m $\eta = 43.7$	x: 0.045 m $\eta = 1.0$	x: 0.198 m $\eta = 0.5$	x: 0.198 m $\eta = 22.3$	x: 0.352 m $\eta = 44.1$	x: 0.045 m $\eta = 1.4$	x: 0.352 m $\eta = 24.1$	x: 0.045 m $\eta < 0.1$	x: 0.352 m $\eta = 56.6$	x: 0.352 m $\eta = 45.5$	x: 0.352 m $\eta = 54.6$	**CUMPLE h = 56.6**
N103/N275	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta = 0.2$	$\eta = 0.2$	$\eta = 0.6$	x: 0.045 m $\eta = 36.6$	x: 0.045 m $\eta = 2.7$	$\eta = 1.3$	x: 0.045 m $\eta = 18.1$	x: 0.045 m $\eta = 36.7$	x: 0.045 m $\eta = 2.8$	x: 0.045 m $\eta = 16.7$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 49.6$	x: 0.045 m $\eta = 39.5$	x: 0.045 m $\eta = 45.9$	**CUMPLE h = 49.6**
N113/N285	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m $\eta = 0.2$	x: 0.198 m $\eta = 0.2$	$\eta = 0.7$	x: 0.045 m $\eta = 50.3$	x: 0.045 m $\eta = 3.2$	x: 0.198 m $\eta = 1.6$	x: 0.198 m $\eta = 24.9$	x: 0.045 m $\eta = 50.4$	x: 0.045 m $\eta = 3.3$	x: 0.045 m $\eta = 31.6$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 67.3$	x: 0.045 m $\eta = 53.6$	x: 0.045 m $\eta = 63.0$	**CUMPLE h = 67.3**
N104/N276	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.045 m $\eta = 0.8$	x: 0.045 m $\eta = 0.9$	$\eta = 1.1$	x: 0.352 m $\eta = 38.3$	x: 0.352 m $\eta = 3.4$	x: 0.198 m $\eta = 1.7$	x: 0.046 m $\eta = 18.5$	x: 0.352 m $\eta = 38.8$	x: 0.352 m $\eta = 3.5$	x: 0.352 m $\eta = 18.5$	x: 0.352 m $\eta = 0.2$	x: 0.352 m $\eta = 53.2$	x: 0.352 m $\eta = 42.9$	x: 0.352 m $\eta = 48.8$	**CUMPLE h = 53.2**
N114/N286	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.351 m $\eta = 0.5$	x: 0.351 m $\eta = 0.5$	$\eta = 0.9$	x: 0.352 m $\eta = 35.3$	x: 0.045 m $\eta = 3.0$	x: 0.045 m $\eta = 1.4$	x: 0.045 m $\eta = 17.1$	x: 0.352 m $\eta = 35.6$	x: 0.045 m $\eta = 3.4$	x: 0.352 m $\eta = 15.6$	x: 0.045 m $\eta = 0.1$	x: 0.352 m $\eta = 48.5$	x: 0.352 m $\eta = 39.0$	x: 0.352 m $\eta = 44.6$	**CUMPLE h = 48.5**
N10/N182	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.8$	x: 0.352 m $\eta = 16.1$	x: 0.352 m $\eta = 2.4$	$\eta = 1.2$	x: 0.198 m $\eta = 8.3$	x: 0.352 m $\eta = 16.4$	x: 0.352 m $\eta = 2.6$	x: 0.045 m $\eta = 3.3$	x: 0.352 m $\eta = 0.1$	x: 0.352 m $\eta = 23.5$	x: 0.352 m $\eta = 18.7$	x: 0.352 m $\eta = 20.2$	**CUMPLE h = 23.5**
N94/N266	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.198 m $\eta = 0.7$	x: 0.352 m $\eta = 23.0$	x: 0.045 m $\eta = 2.4$	$\eta = 1.2$	x: 0.045 m $\eta = 11.5$	x: 0.352 m $\eta = 23.3$	x: 0.352 m $\eta = 2.6$	x: 0.045 m $\eta = 6.7$	x: 0.352 m $\eta = 0.1$	x: 0.352 m $\eta = 32.2$	x: 0.352 m $\eta = 25.9$	x: 0.352 m $\eta = 28.8$	**CUMPLE h = 32.2**
N9/N181	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.6$	x: 0.045 m $\eta = 15.8$	x: 0.352 m $\eta = 1.1$	x: 0.198 m $\eta = 0.6$	x: 0.045 m $\eta = 7.9$	x: 0.045 m $\eta = 16.1$	x: 0.352 m $\eta = 1.3$	x: 0.045 m $\eta = 3.2$	x: 0.045 m $\eta < 0.1$	x: 0.045 m $\eta = 21.5$	x: 0.045 m $\eta = 17.1$	x: 0.045 m $\eta = 19.8$	**CUMPLE h = 21.5**
N93/N265	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.6$	x: 0.045 m $\eta = 26.6$	x: 0.045 m $\eta = 1.4$	x: 0.198 m $\eta = 0.7$	x: 0.198 m $\eta = 13.3$	x: 0.045 m $\eta = 26.8$	x: 0.045 m $\eta = 1.6$	x: 0.045 m $\eta = 9.0$	x: 0.045 m $\eta < 0.1$	x: 0.045 m $\eta = 35.6$	x: 0.352 m $\eta = 28.2$	x: 0.045 m $\eta = 33.2$	**CUMPLE h = 35.6**
N8/N180	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 19.1$	x: 0.045 m $\eta = 1.8$	$\eta = 0.9$	x: 0.045 m $\eta = 9.5$	x: 0.045 m $\eta = 19.5$	x: 0.045 m $\eta = 2.2$	x: 0.045 m $\eta = 4.7$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 27.2$	x: 0.045 m $\eta = 21.7$	x: 0.045 m $\eta = 23.9$	**CUMPLE h = 27.2**
N92/N264	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	x: 0.198 m $\eta = 0.9$	x: 0.045 m $\eta = 22.6$	x: 0.045 m $\eta = 1.5$	$\eta = 0.8$	x: 0.045 m $\eta = 11.3$	x: 0.045 m $\eta = 23.0$	x: 0.045 m $\eta = 1.9$	x: 0.045 m $\eta = 6.6$	x: 0.045 m $\eta < 0.1$	x: 0.045 m $\eta = 31.1$	x: 0.045 m $\eta = 24.9$	x: 0.045 m $\eta = 28.3$	**CUMPLE h = 31.1**
N7/N179	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.6$	x: 0.045 m $\eta = 16.9$	x: 0.352 m $\eta = 2.3$	$\eta = 1.1$	x: 0.045 m $\eta = 8.4$	x: 0.045 m $\eta = 17.1$	x: 0.352 m $\eta = 2.5$	x: 0.045 m $\eta = 3.6$	x: 0.352 m $\eta = 0.1$	x: 0.352 m $\eta = 24.0$	x: 0.352 m $\eta = 19.2$	x: 0.045 m $\eta = 21.1$	**CUMPLE h = 24.0**
N91/N263	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m $\eta = 0.1$	x: 0.198 m $\eta = 0.1$	$\eta = 0.6$	x: 0.045 m $\eta = 26.6$	x: 0.352 m $\eta = 2.7$	$\eta = 1.3$	x: 0.045 m $\eta = 13.3$	x: 0.045 m $\eta = 26.8$	x: 0.352 m $\eta = 2.9$	x: 0.045 m $\eta = 9.0$	x: 0.352 m $\eta = 0.1$	x: 0.352 m $\eta = 36.9$	x: 0.045 m $\eta = 29.8$	x: 0.045 m $\eta = 33.3$	**CUMPLE h = 36.9**
N6/N178	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta = 0.1$	$\eta = 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 20.1$	x: 0.352 m $\eta = 3.4$	$\eta = 1.7$	x: 0.045 m $\eta = 10.0$	x: 0.045 m $\eta = 20.2$	x: 0.352 m $\eta = 3.8$	x: 0.045 m $\eta = 5.1$	x: 0.352 m $\eta = 0.2$	x: 0.352 m $\eta = 29.8$	x: 0.045 m $\eta = 24.0$	x: 0.045 m $\eta = 25.4$	**CUMPLE h = 29.8**
N90/N262	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.9$	x: 0.045 m $\eta = 23.4$	x: 0.352 m $\eta = 2.8$	x: 0.198 m $\eta = 1.4$	x: 0.198 m $\eta = 11.7$	x: 0.045 m $\eta = 23.8$	x: 0.352 m $\eta = 3.2$	x: 0.045 m $\eta = 7.0$	x: 0.352 m $\eta = 0.1$	x: 0.045 m $\eta = 33.8$	x: 0.045 m $\eta = 27.0$	x: 0.045 m $\eta = 29.4$	**CUMPLE h = 33.8**
N5/N177	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.6$	x: 0.352 m $\eta = 17.9$	x: 0.352 m $\eta = 3.5$	$\eta = 1.7$	x: 0.045 m $\eta = 8.9$	x: 0.352 m $\eta = 18.1$	x: 0.352 m $\eta = 3.7$	x: 0.045 m $\eta = 4.1$	x: 0.045 m $\eta = 0.2$	x: 0.352 m $\eta = 25.9$	x: 0.352 m $\eta = 20.8$	x: 0.352 m $\eta = 22.5$	**CUMPLE h = 25.9**
N89/N261	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.7$	x: 0.045 m $\eta = 27.1$	x: 0.045 m $\eta = 4.2$	$\eta = 2.1$	x: 0.045 m $\eta = 13.5$	x: 0.045 m $\eta = 27.4$	x: 0.045 m $\eta = 4.4$	x: 0.045 m $\eta = 9.3$	x: 0.045 m $\eta = 0.2$	x: 0.352 m $\eta = 39.5$	x: 0.045 m $\eta = 31.8$	x: 0.045 m $\eta = 34.3$	**CUMPLE h = 39.5**
N4/N176	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 20.5$	x: 0.045 m $\eta = 4.9$	$\eta = 2.4$	x: 0.045 m $\eta = 10.2$	x: 0.045 m $\eta = 20.7$	x: 0.045 m $\eta = 5.3$	x: 0.045 m $\eta = 5.3$	x: 0.045 m $\eta = 0.3$	x: 0.045 m $\eta = 32.2$	x: 0.352 m $\eta = 25.6$	x: 0.045 m $\eta = 26.1$	**CUMPLE h = 32.2**
N88/N260	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.9$	x: 0.045 m $\eta = 23.2$	x: 0.045 m $\eta = 4.0$	$\eta = 2.0$	x: 0.045 m $\eta = 11.6$	x: 0.045 m $\eta = 23.5$	x: 0.045 m $\eta = 4.4$	x: 0.045 m $\eta = 6.9$	x: 0.045 m $\eta = 0.2$	x: 0.045 m $\eta = 34.9$	x: 0.045 m $\eta = 27.9$	x: 0.045 m $\eta = 29.4$	**CUMPLE h = 34.9**
N3/N175	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.7$	x: 0.045 m $\eta = 17.5$	x: 0.045 m $\eta = 5.7$	$\eta = 2.8$	x: 0.045 m $\eta = 8.7$	x: 0.045 m $\eta = 17.6$	x: 0.045 m $\eta = 6.0$	x: 0.045 m $\eta = 3.9$	x: 0.045 m $\eta = 0.4$	x: 0.045 m $\eta = 28.9$	x: 0.045 m $\eta = 23.1$	x: 0.045 m $\eta = 22.4$	**CUMPLE h = 28.9**
N87/N259	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 0.7$	x: 0.045 m $\eta = 26.5$	x: 0.045 m $\eta = 6.6$	$\eta = 3.3$	x: 0.045 m $\eta = 13.2$	x: 0.045 m $\eta = 26.7$	x: 0.045 m $\eta = 6.9$	x: 0.045 m $\eta = 8.9$	x: 0.045 m $\eta = 0.6$	x: 0.045 m $\eta = 42.1$	x: 0.352 m $\eta = 33.4$	x: 0.045 m $\eta = 34.1$	**CUMPLE h = 42.1**
N2/N174	x: 0.045 m $w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	N.P.[1]	$\eta = 1.4$	x: 0.045 m $\eta = 22.1$	x: 0.045 m $\eta = 2.7$	$\eta = 1.4$	x: 0.045 m $\eta = 11.0$	x: 0.045 m $\eta = 22.4$	x: 0.045 m $\eta = 3.0$	x: 0.045 m $\eta = 6.2$	x: 0.045 m $\eta = 0.1$	x: 0.045 m $\eta = 31.8$	N.P.[2]	x: 0.045 m $\eta = 27.8$	**CUMPLE h = 31.8**
N86/N258	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta < 0.1$	$\eta < 0.1$	$\eta = 1.0$	x: 0.045 m $\eta = 20.2$	x: 0.045 m $\eta = 3.4$	$\eta = 1.7$	x: 0.045 m $\eta = 10.1$	x: 0.045 m $\eta = 20.3$	x: 0.045 m $\eta = 3.5$	x: 0.045 m $\eta = 5.1$	x: 0.045 m $\eta = 0.2$	x: 0.045 m $\eta = 29.7$	x: 0.352 m $\eta = 23.6$	x: 0.045 m $\eta = 25.6$	**CUMPLE h = 29.7**
N13/N185	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m $\eta < 0.1$	x: 0.198 m $\eta < 0.1$	x: 0.198 m $\eta = 1.1$	x: 0.045 m $\eta = 1.3$	x: 0.352 m $\eta = 1.5$	x: 0.198 m $\eta = 0.8$	x: 0.198 m $\eta = 0.7$	x: 0.045 m $\eta = 1.8$	x: 0.352 m $\eta = 2.0$	x: 0.045 m $\eta < 0.1$	x: 0.352 m $\eta < 0.1$	N.P.[4]	x: 0.045 m $\eta = 3.7$	x: 0.045 m $\eta = 2.6$	**CUMPLE h = 3.7**
N14/N186	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta = 0.6$	$\eta = 0.6$	$\eta = 1.9$	x: 0.352 m $\eta = 0.6$	x: 0.045 m $\eta = 5.5$	x: 0.351 m $\eta = 2.7$	x: 0.045 m $\eta = 0.3$	x: 0.352 m $\eta = 1.4$	x: 0.045 m $\eta = 6.2$	x: 0.351 m $\eta < 0.1$	x: 0.045 m $\eta = 0.5$	x: 0.045 m $\eta = 9.4$	x: 0.045 m $\eta = 7.8$	x: 0.045 m $\eta = 7.5$	**CUMPLE h = 9.4**
N15/N187	$w / t \leq (w / t)_{Máx.}$ Cumple	$\eta = 0.1$	$\eta = 0.1$	x: 0.351 m $\eta = 1.5$	x: 0.352 m $\eta = 5.9$	x: 0.352 m $\eta = 11.9$	x: 0.351 m $\eta = 5.9$	x: 0.045 m $\eta = 3.0$	x: 0.352 m $\eta = 6.5$	x: 0.352 m $\eta = 12.6$	x: 0.352 m $\eta = 0.5$	x: 0.352 m $\eta = 1.9$	x: 0.045 m $\eta = 20.8$	x: 0.045 m $\eta = 16.2$	x: 0.352 m $\eta = 15.3$	**CUMPLE h = 20.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N23/N195	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.6	η = 0.3	x: 0.045 m η = 3.6	x: 0.045 m η = 17.7	η = 8.8	x: 0.352 m η = 1.8	x: 0.045 m η = 3.7	x: 0.045 m η = 17.8	x: 0.352 m η = 0.2	x: 0.045 m η = 3.9	x: 0.045 m η = 27.1	x: 0.045 m η = 21.7	x: 0.045 m η = 23.1	**CUMPLE h = 27.1**
N22/N194	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.4	x: 0.198 m η = 0.4	η = 0.3	x: 0.352 m η = 3.7	x: 0.352 m η = 22.7	η = 11.3	x: 0.352 m η = 1.8	x: 0.352 m η = 3.7	x: 0.352 m η = 22.8	x: 0.352 m η = 0.2	x: 0.352 m η = 6.5	x: 0.352 m η = 33.5	x: 0.352 m η = 26.6	x: 0.352 m η = 29.1	**CUMPLE h = 33.5**
N21/N193	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.4	η = 0.3	x: 0.045 m η = 1.8	x: 0.045 m η = 33.0	η = 16.4	x: 0.352 m η = 0.9	x: 0.045 m η = 1.9	x: 0.045 m η = 33.1	x: 0.352 m η < 0.1	x: 0.045 m η = 13.6	x: 0.045 m η = 42.8	x: 0.045 m η = 35.4	x: 0.045 m η = 41.6	**CUMPLE h = 42.8**
N24/N196	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.045 m η = 3.3	x: 0.352 m η = 8.7	η = 4.4	x: 0.352 m η = 1.7	x: 0.045 m η = 3.4	x: 0.352 m η = 8.8	x: 0.045 m η = 0.1	x: 0.352 m η = 1.0	x: 0.045 m η = 15.2	x: 0.045 m η = 11.7	x: 0.352 m η = 11.7	**CUMPLE h = 15.2**
N20/N192	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.3	η = 0.4	x: 0.352 m η = 1.8	x: 0.352 m η = 34.4	η = 17.1	x: 0.352 m η = 0.9	x: 0.352 m η = 1.9	x: 0.352 m η = 34.6	x: 0.352 m η < 0.1	x: 0.352 m η = 14.9	x: 0.352 m η = 44.5	x: 0.352 m η = 36.6	x: 0.352 m η = 43.4	**CUMPLE h = 44.5**
N19/N191	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.4	η = 0.5	x: 0.352 m η = 2.2	x: 0.045 m η = 46.9	η = 23.3	x: 0.352 m η = 1.1	x: 0.352 m η = 2.3	x: 0.045 m η = 47.0	x: 0.352 m η = 0.1	x: 0.045 m η = 27.5	x: 0.045 m η = 62.1	x: 0.045 m η = 48.6	x: 0.045 m η = 59.0	**CUMPLE h = 62.1**
N18/N190	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	η = 1.2	x: 0.045 m η = 13.7	x: 0.352 m η = 42.9	η = 21.0	x: 0.352 m η = 6.8	x: 0.352 m η = 14.1	x: 0.352 m η = 43.3	x: 0.352 m η = 2.4	x: 0.352 m η = 23.1	x: 0.352 m η = 72.1	x: 0.352 m η = 56.9	x: 0.352 m η = 56.6	**CUMPLE h = 72.1**
N63/N235	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.9	η = 1.0	x: 0.198 m η = 1.4	x: 0.352 m η = 8.3	x: 0.352 m η = 23.6	η = 11.5	x: 0.045 m η = 4.0	x: 0.352 m η = 8.6	x: 0.352 m η = 24.0	x: 0.352 m η = 0.9	x: 0.352 m η = 7.1	x: 0.352 m η = 41.6	x: 0.352 m η = 33.4	x: 0.352 m η = 32.2	**CUMPLE h = 41.6**
N62/N234	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.1	η = 1.9	x: 0.045 m η = 0.9	x: 0.045 m η = 24.2	η = 12.0	x: 0.045 m η = 0.4	x: 0.045 m η = 1.7	x: 0.045 m η = 25.1	x: 0.045 m η < 0.1	x: 0.045 m η = 7.7	x: 0.045 m η = 33.5	x: 0.045 m η = 26.7	x: 0.045 m η = 30.4	**CUMPLE h = 33.5**
N61/N233	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.6	x: 0.198 m η = 0.9	x: 0.045 m η = 13.5	x: 0.352 m η = 16.0	x: 0.198 m η = 8.0	x: 0.045 m η = 6.7	x: 0.045 m η = 13.9	x: 0.352 m η = 16.4	x: 0.045 m η = 2.4	x: 0.352 m η = 3.3	x: 0.352 m η = 38.0	x: 0.352 m η = 30.7	x: 0.352 m η = 26.5	**CUMPLE h = 38.0**
N11/N183	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η < 0.1	x: 0.198 m η < 0.1	η = 0.7	x: 0.045 m η = 5.9	x: 0.352 m η = 5.0	η = 2.5	x: 0.045 m η = 2.9	x: 0.045 m η = 6.2	x: 0.352 m η = 5.3	x: 0.045 m η = 0.5	x: 0.352 m η = 0.3	x: 0.352 m η = 14.2	x: 0.352 m η = 11.4	x: 0.352 m η = 9.6	**CUMPLE h = 14.2**
N66/N238	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.7	η = 0.7	η = 1.0	x: 0.352 m η = 15.5	x: 0.352 m η = 32.7	η = 16.1	x: 0.352 m η = 7.6	x: 0.352 m η = 15.9	x: 0.352 m η = 33.1	x: 0.352 m η = 3.1	x: 0.352 m η = 13.6	x: 0.352 m η = 59.9	x: 0.352 m η = 49.6	x: 0.352 m η = 45.8	**CUMPLE h = 59.9**
N67/N239	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.4	η = 0.6	x: 0.352 m η = 2.0	x: 0.045 m η = 36.9	η = 18.3	x: 0.352 m η = 1.0	x: 0.352 m η = 2.2	x: 0.045 m η = 37.1	x: 0.352 m η = 0.1	x: 0.045 m η = 17.2	x: 0.045 m η = 49.4	x: 0.352 m η = 38.2	x: 0.045 m η = 46.5	**CUMPLE h = 49.4**
N68/N240	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.5	x: 0.045 m η = 2.0	x: 0.352 m η = 39.9	η = 19.9	x: 0.352 m η = 1.0	x: 0.045 m η = 2.1	x: 0.352 m η = 40.0	x: 0.045 m η = 0.1	x: 0.352 m η = 20.0	x: 0.352 m η = 52.6	x: 0.352 m η = 40.9	x: 0.352 m η = 49.9	**CUMPLE h = 52.6**
N69/N241	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.5	η = 0.3	x: 0.352 m η = 2.2	x: 0.045 m η = 28.7	η = 14.3	x: 0.352 m η = 1.1	x: 0.352 m η = 2.3	x: 0.045 m η = 28.8	x: 0.352 m η = 0.1	x: 0.045 m η = 10.4	x: 0.045 m η = 38.6	x: 0.045 m η = 30.9	x: 0.045 m η = 36.3	**CUMPLE h = 38.6**
N70/N242	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.352 m η = 4.1	x: 0.352 m η = 26.1	η = 13.0	x: 0.352 m η = 2.0	x: 0.352 m η = 4.2	x: 0.352 m η = 26.3	x: 0.352 m η = 0.2	x: 0.352 m η = 8.6	x: 0.352 m η = 38.0	x: 0.352 m η = 29.9	x: 0.352 m η = 33.0	**CUMPLE h = 38.0**
N71/N243	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	η = 0.3	x: 0.045 m η = 3.6	x: 0.352 m η = 16.7	η = 8.3	x: 0.352 m η = 1.8	x: 0.045 m η = 3.7	x: 0.352 m η = 16.8	x: 0.352 m η = 0.2	x: 0.352 m η = 3.5	x: 0.352 m η = 25.5	x: 0.352 m η = 20.9	x: 0.352 m η = 21.9	**CUMPLE h = 25.5**
N72/N244	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.6	x: 0.198 m η = 0.7	η = 0.4	x: 0.045 m η = 3.6	x: 0.045 m η = 9.4	x: 0.351 m η = 4.7	x: 0.352 m η = 1.8	x: 0.045 m η = 3.6	x: 0.045 m η = 9.4	x: 0.045 m η = 0.2	x: 0.045 m η = 1.1	x: 0.045 m η = 16.4	x: 0.045 m η = 13.6	x: 0.045 m η = 13.2	**CUMPLE h = 16.4**
N73/N245	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 3.4	x: 0.352 m η = 4.2	η = 2.1	x: 0.352 m η = 1.7	x: 0.045 m η = 3.4	x: 0.352 m η = 4.3	x: 0.045 m η = 0.1	x: 0.352 m η = 0.2	x: 0.352 m η = 5.6	x: 0.045 m η = 4.8	x: 0.352 m η = 5.3	**CUMPLE h = 5.6**
N74/N246	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.7	η = 0.8	η = 0.4	x: 0.045 m η = 3.7	x: 0.352 m η = 8.5	η = 4.2	x: 0.045 m η = 1.8	x: 0.045 m η = 3.8	x: 0.352 m η = 8.5	x: 0.045 m η = 0.2	x: 0.352 m η = 0.9	x: 0.045 m η = 16.0	x: 0.045 m η = 12.6	x: 0.045 m η = 12.2	**CUMPLE h = 16.0**
N75/N247	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 0.3	x: 0.045 m η = 3.1	x: 0.352 m η = 14.4	η = 7.2	x: 0.352 m η = 1.5	x: 0.045 m η = 3.2	x: 0.352 m η = 14.5	x: 0.045 m η = 0.1	x: 0.352 m η = 2.6	x: 0.045 m η = 22.0	x: 0.045 m η = 17.1	x: 0.045 m η = 18.5	**CUMPLE h = 22.0**
N76/N248	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.7	x: 0.198 m η = 0.8	η = 0.4	x: 0.045 m η = 2.8	x: 0.045 m η = 25.1	η = 12.5	x: 0.045 m η = 1.4	x: 0.045 m η = 2.9	x: 0.045 m η = 25.2	x: 0.045 m η = 0.1	x: 0.045 m η = 7.9	x: 0.045 m η = 35.8	x: 0.045 m η = 28.4	x: 0.045 m η = 32.2	**CUMPLE h = 35.8**
N77/N249	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 1.7	x: 0.352 m η = 29.1	η = 14.5	x: 0.352 m η = 0.9	x: 0.045 m η = 1.8	x: 0.352 m η = 29.3	x: 0.045 m η < 0.1	x: 0.352 m η = 10.7	x: 0.045 m η = 38.9	x: 0.045 m η = 30.6	x: 0.352 m η = 36.4	**CUMPLE h = 38.9**
N78/N250	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	η = 0.4	x: 0.045 m η = 0.9	x: 0.352 m η = 40.2	η = 20.0	x: 0.045 m η = 0.4	x: 0.045 m η = 1.0	x: 0.352 m η = 40.2	x: 0.045 m η < 0.1	x: 0.352 m η = 20.2	x: 0.045 m η = 51.9	x: 0.045 m η = 41.3	x: 0.352 m η = 50.7	**CUMPLE h = 51.9**
N79/N251	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.6	η = 0.6	x: 0.352 m η = 2.2	x: 0.045 m η = 40.6	η = 20.2	x: 0.352 m η = 1.1	x: 0.352 m η = 2.5	x: 0.045 m η = 40.8	x: 0.352 m η = 0.1	x: 0.045 m η = 20.7	x: 0.045 m η = 54.7	x: 0.045 m η = 43.3	x: 0.045 m η = 51.3	**CUMPLE h = 54.7**
N80/N252	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.1	x: 0.198 m η = 0.1	η = 1.0	x: 0.352 m η = 14.9	x: 0.352 m η = 34.7	η = 17.1	x: 0.352 m η = 7.3	x: 0.352 m η = 15.3	x: 0.352 m η = 35.1	x: 0.352 m η = 2.9	x: 0.352 m η = 15.3	x: 0.352 m η = 62.1	x: 0.352 m η = 50.1	x: 0.352 m η = 47.1	**CUMPLE h = 62.1**
N83/N255	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.4	x: 0.198 m η = 1.4	x: 0.352 m η = 7.5	x: 0.352 m η = 23.2	η = 11.2	x: 0.045 m η = 3.7	x: 0.352 m η = 7.8	x: 0.352 m η = 23.5	x: 0.352 m η = 0.7	x: 0.352 m η = 6.8	x: 0.352 m η = 39.6	x: 0.352 m η = 31.7	x: 0.352 m η = 30.7	**CUMPLE h = 39.6**
N84/N256	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.9	η = 2.0	x: 0.352 m η = 0.7	x: 0.045 m η = 25.2	η = 12.5	x: 0.045 m η = 0.3	x: 0.352 m η = 1.5	x: 0.045 m η = 26.0	x: 0.352 m η < 0.1	x: 0.045 m η = 8.3	x: 0.045 m η = 34.6	x: 0.045 m η = 27.7	x: 0.045 m η = 32.2	**CUMPLE h = 34.6**
N60/N232	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 0.9	x: 0.045 m η = 14.1	x: 0.352 m η = 17.7	x: 0.198 m η = 9.0	x: 0.198 m η = 7.1	x: 0.045 m η = 14.5	x: 0.352 m η = 18.1	x: 0.045 m η = 2.6	x: 0.352 m η = 4.1	x: 0.352 m η = 40.5	x: 0.352 m η = 32.6	x: 0.352 m η = 28.2	**CUMPLE h = 40.5**
N38/N210	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.351 m η = 0.8	x: 0.045 m η = 1.0	x: 0.352 m η = 1.1	η = 0.5	x: 0.045 m η = 0.5	x: 0.045 m η = 1.3	x: 0.352 m η = 1.3	x: 0.045 m η < 0.1	x: 0.352 m η < 0.1	N.P.[4]	x: 0.045 m η = 2.5	x: 0.352 m η = 1.8	**CUMPLE h = 2.5**
N37/N209	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 1.1	x: 0.045 m η = 1.6	x: 0.352 m η = 2.7	η = 1.3	x: 0.045 m η = 0.8	x: 0.045 m η = 2.1	x: 0.352 m η = 3.2	x: 0.045 m η < 0.1	x: 0.352 m η = 0.1	x: 0.352 m η = 6.4	x: 0.045 m η = 5.2	x: 0.045 m η = 3.9	**CUMPLE h = 6.4**
N36/N208	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.8	η = 2.0	x: 0.045 m η = 0.4	x: 0.045 m η = 4.5	x: 0.351 m η = 2.2	x: 0.045 m η = 0.2	x: 0.352 m η = 1.2	x: 0.045 m η = 5.2	x: 0.351 m η < 0.1	x: 0.045 m η = 0.3	x: 0.045 m η = 7.9	x: 0.045 m η = 6.8	x: 0.045 m η = 6.4	**CUMPLE h = 7.9**
N35/N207	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.1	x: 0.351 m η = 1.4	x: 0.352 m η = 5.5	x: 0.352 m η = 12.3	x: 0.351 m η = 6.0	x: 0.045 m η = 2.8	x: 0.352 m η = 6.1	x: 0.352 m η = 12.9	x: 0.352 m η = 0.4	x: 0.352 m η = 2.0	x: 0.045 m η = 20.7	x: 0.045 m η = 16.3	x: 0.045 m η = 15.6	**CUMPLE h = 20.7**
N32/N204	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.5	x: 0.198 m η = 1.2	x: 0.352 m η = 13.5	x: 0.352 m η = 44.2	x: 0.198 m η = 21.7	x: 0.198 m η = 6.7	x: 0.352 m η = 14.0	x: 0.352 m η = 44.8	x: 0.352 m η = 2.4	x: 0.352 m η = 24.7	x: 0.352 m η = 74.0	x: 0.352 m η = 58.6	x: 0.352 m η = 58.0	**CUMPLE h = 74.0**
N31/N203	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.9	η = 0.6	x: 0.045 m η = 2.4	x: 0.045 m η = 48.3	η = 24.0	x: 0.352 m η = 1.2	x: 0.045 m η = 2.6	x: 0.045 m η = 48.5	x: 0.045 m η = 0.1	x: 0.045 m η = 29.2	x: 0.045 m η = 64.0	x: 0.045 m η = 51.9	x: 0.045 m η = 61.2	**CUMPLE h = 64.0**
N30/N202	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η < 0.1	x: 0.198 m η < 0.1	η = 0.3	x: 0.045 m η = 0.9	x: 0.352 m η = 34.9	x: 0.198 m η = 17.4	x: 0.045 m η = 0.5	x: 0.045 m η = 1.1	x: 0.352 m η = 35.0	x: 0.045 m η < 0.1	x: 0.352 m η = 15.3	x: 0.352 m η = 45.0	x: 0.352 m η = 36.0	x: 0.352 m η = 43.6	**CUMPLE h = 45.0**
N29/N201	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.7	η = 0.8	η = 0.3	x: 0.045 m η = 1.6	x: 0.045 m η = 33.0	x: 0.198 m η = 16.5	x: 0.352 m η = 0.8	x: 0.045 m η = 1.7	x: 0.045 m η = 33.1	x: 0.045 m η < 0.1	x: 0.045 m η = 13.7	x: 0.045 m η = 43.5	x: 0.045 m η = 35.5	x: 0.045 m η = 42.0	**CUMPLE h = 43.5**
N28/N200	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 2.7	x: 0.352 m η = 22.3	x: 0.198 m η = 11.1	x: 0.045 m η = 1.3	x: 0.045 m η = 2.8	x: 0.352 m η = 22.4	x: 0.045 m η = 0.1	x: 0.352 m η = 6.2	x: 0.045 m η = 30.7	x: 0.045 m η = 25.2	x: 0.045 m η = 28.0	**CUMPLE h = 30.7**
N27/N199	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.7	η = 0.8	η = 0.3	x: 0.045 m η = 3.2	x: 0.045 m η = 17.2	x: 0.198 m η = 8.7	x: 0.352 m η = 1.6	x: 0.045 m η = 3.3	x: 0.045 m η = 17.2	x: 0.045 m η = 0.1	x: 0.045 m η = 3.7	x: 0.045 m η = 25.6	x: 0.045 m η = 21.2	x: 0.045 m η = 22.6	**CUMPLE h = 25.6**
N26/N198	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.045 m η = 3.4	x: 0.352 m η = 8.2	η = 4.1	x: 0.045 m η = 1.7	x: 0.045 m η = 3.5	x: 0.352 m η = 8.3	x: 0.045 m η = 0.2	x: 0.352 m η = 0.9	x: 0.045 m η = 14.0	x: 0.045 m η = 11.8	x: 0.045 m η = 11.1	**CUMPLE h = 14.0**
N25/N197	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.8	η = 0.3	x: 0.045 m η = 3.6	x: 0.045 m η = 8.1	η = 4.1	x: 0.352 m η = 1.8	x: 0.045 m η = 3.7	x: 0.045 m η = 8.3	x: 0.045 m η = 0.2	x: 0.045 m η = 0.8	x: 0.352 m η = 10.5	x: 0.352 m η = 8.5	x: 0.045 m η = 10.2	**CUMPLE h = 10.5**
N135/N307	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.6	η = 0.6	η = 0.6	x: 0.045 m η = 6.9	x: 0.352 m η = 6.1	x: 0.045 m η = 2.8	x: 0.045 m η = 2.8	x: 0.045 m η = 7.1	x: 0.352 m η = 6.4	x: 0.045 m η = 0.6	x: 0.352 m η = 0.5	x: 0.045 m η = 16.1	x: 0.045 m η = 10.6	x: 0.045 m η = 11.2	**CUMPLE h = 16.1**
N136/N308	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 0.4	x: 0.045 m η = 0.4	x: 0.351 m η = 0.6	x: 0.045 m η = 2.7	x: 0.352 m η = 3.8	x: 0.045 m η = 1.8	x: 0.045 m η = 1.1	x: 0.045 m η = 2.8	x: 0.352 m η = 4.1	x: 0.045 m η = 0.1	x: 0.352 m η = 0.2	x: 0.352 m η = 6.1	x: 0.045 m η = 5.8	x: 0.352 m η = 5.3	**CUMPLE h = 6.1**
N137/N309	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 1.2	x: 0.045 m η = 0.9	x: 0.198 m η = 1.2	x: 0.352 m η = 9.4	x: 0.352 m η = 5.3	x: 0.198 m η = 2.7	x: 0.352 m η = 2.3	x: 0.352 m η = 9.5	x: 0.352 m η = 5.8	x: 0.352 m η = 1.0	x: 0.352 m η = 0.4	x: 0.352 m η = 16.8	x: 0.045 m η = 9.2	x: 0.352 m η = 13.1	**CUMPLE h = 16.8**
N138/N310	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η < 0.1	x: 0.198 m η = 1.6	x: 0.045 m η = 2.5	x: 0.352 m η = 9.4	x: 0.198 m η = 4.6	x: 0.045 m η = 1.1	x: 0.045 m η = 3.2	x: 0.352 m η = 10.1	x: 0.045 m η = 0.1	x: 0.352 m η = 1.2	x: 0.045 m η = 16.2	x: 0.352 m η = 11.7	x: 0.352 m η = 12.0	**CUMPLE h = 16.2**
N139/N311	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.2	x: 0.045 m η = 1.8	x: 0.045 m η = 5.3	x: 0.352 m η = 11.0	x: 0.045 m η = 5.5	x: 0.045 m η = 1.8	x: 0.045 m η = 5.5	x: 0.352 m η = 11.8	x: 0.045 m η = 0.3	x: 0.352 m η = 1.7	x: 0.045 m η = 19.4	x: 0.352 m η = 12.8	x: 0.045 m η = 14.4	**CUMPLE h = 19.4**
N140/N312	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 1.7	x: 0.045 m η = 3.4	x: 0.352 m η = 10.8	x: 0.351 m η = 5.3	x: 0.045 m η = 1.7	x: 0.045 m η = 4.2	x: 0.352 m η = 11.5	x: 0.045 m η = 0.2	x: 0.352 m η = 1.6	x: 0.045 m η = 19.4	x: 0.045 m η = 1.1	x: 0.352 m η = 14.0	**CUMPLE h = 19.4**
N141/N313	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.2	η = 1.7	x: 0.045 m η = 5.1	x: 0.045 m η = 11.6	x: 0.045 m η = 5.8	x: 0.045 m η = 1.7	x: 0.045 m η = 5.2	x: 0.045 m η = 12.3	x: 0.045 m η = 0.3	x: 0.045 m η = 1.8	x: 0.045 m η = 19.7	x: 0.045 m η = 14.8	x: 0.045 m η = 14.7	**CUMPLE h = 19.7**
N142/N314	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 1.5	x: 0.045 m η = 3.0	x: 0.045 m η = 9.8	x: 0.351 m η = 4.9	x: 0.045 m η = 1.5	x: 0.045 m η = 3.7	x: 0.045 m η = 10.5	x: 0.045 m η = 0.2	x: 0.045 m η = 1.3	x: 0.352 m η = 17.2	x: 0.045 m η = 1.0	x: 0.045 m η = 12.6	**CUMPLE h = 17.2**
N143/N315	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.2	x: 0.045 m η = 1.4	x: 0.045 m η = 5.1	x: 0.045 m η = 9.8	x: 0.045 m η = 4.8	x: 0.045 m η = 1.7	x: 0.045 m η = 3.1	x: 0.045 m η = 10.4	x: 0.045 m η = 0.3	x: 0.045 m η = 1.3	x: 0.045 m η = 16.3	x: 0.045 m η = 11.5	x: 0.045 m η = 12.7	**CUMPLE h = 16.3**
N144/N316	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.351 m η = 1.1	x: 0.045 m η = 1.0	x: 0.045 m η = 6.4	x: 0.351 m η = 3.1	x: 0.045 m η = 0.5	x: 0.045 m η = 1.4	x: 0.045 m η = 6.8	x: 0.045 m η < 0.1	x: 0.045 m η = 0.6	x: 0.352 m η = 10.0	x: 0.045 m η = 7.3	x: 0.045 m η = 8.0	**CUMPLE h = 10.0**
N145/N317	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.4	η = 0.4	x: 0.045 m η = 6.4	x: 0.045 m η = 6.1	x: 0.045 m η = 3.0	x: 0.045 m η = 2.9	x: 0.045 m η = 6.4	x: 0.045 m η = 6.3	x: 0.045 m η = 0.5	x: 0.045 m η = 0.5	x: 0.352 m η = 10.4	x: 0.352 m η = 4.8	x: 0.045 m η = 8.4	**CUMPLE h = 10.4**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N155/N327	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.351 m η = 1.1	x: 0.045 m η = 1.0	x: 0.045 m η = 6.0	η = 2.9	x: 0.045 m η = 0.4	x: 0.045 m η = 1.3	x: 0.045 m η = 6.5	x: 0.045 m η < 0.1	x: 0.045 m η = 0.5	x: 0.352 m η = 9.4	x: 0.352 m η = 5.0	x: 0.045 m η = 7.5	**CUMPLE h = 9.4**
N154/N326	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.2	x: 0.045 m η = 1.4	x: 0.045 m η = 5.1	x: 0.045 m η = 9.3	x: 0.045 m η = 4.6	x: 0.045 m η = 1.7	x: 0.045 m η = 5.1	x: 0.045 m η = 9.9	x: 0.045 m η = 0.3	x: 0.045 m η = 1.2	x: 0.045 m η = 15.8	x: 0.045 m η = 10.7	x: 0.045 m η = 12.1	**CUMPLE h = 15.8**
N153/N325	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 1.5	x: 0.045 m η = 2.9	x: 0.045 m η = 9.4	x: 0.351 m η = 4.6	x: 0.045 m η = 1.4	x: 0.045 m η = 3.6	x: 0.045 m η = 10.0	x: 0.045 m η = 0.1	x: 0.045 m η = 1.2	x: 0.352 m η = 16.6	x: 0.045 m η = 1.0	x: 0.045 m η = 12.1	**CUMPLE h = 16.6**
N152/N324	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.2	x: 0.045 m η = 1.6	x: 0.045 m η = 5.1	x: 0.045 m η = 11.2	x: 0.045 m η = 5.5	x: 0.045 m η = 1.7	x: 0.045 m η = 5.1	x: 0.045 m η = 11.9	x: 0.045 m η = 0.3	x: 0.045 m η = 1.7	x: 0.045 m η = 18.7	x: 0.045 m η = 14.0	x: 0.045 m η = 14.2	**CUMPLE h = 18.7**
N151/N323	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.198 m η = 1.6	x: 0.045 m η = 3.3	x: 0.352 m η = 10.2	x: 0.351 m η = 5.1	x: 0.045 m η = 1.6	x: 0.045 m η = 4.0	x: 0.352 m η = 11.0	x: 0.045 m η = 0.2	x: 0.352 m η = 1.5	x: 0.045 m η = 18.5	x: 0.045 m η = 1.0	x: 0.352 m η = 13.3	**CUMPLE h = 18.5**
N150/N322	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.2	x: 0.045 m η = 1.7	x: 0.045 m η = 5.3	x: 0.352 m η = 10.6	x: 0.045 m η = 5.3	x: 0.045 m η = 1.8	x: 0.045 m η = 5.4	x: 0.352 m η = 11.3	x: 0.045 m η = 0.3	x: 0.352 m η = 1.6	x: 0.045 m η = 18.5	x: 0.045 m η = 12.4	x: 0.045 m η = 13.8	**CUMPLE h = 18.5**
N149/N321	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η < 0.1	x: 0.198 m η < 0.1	η = 1.6	x: 0.045 m η = 2.6	x: 0.352 m η = 8.6	x: 0.351 m η = 4.3	x: 0.045 m η = 1.3	x: 0.045 m η = 3.3	x: 0.352 m η = 9.3	x: 0.045 m η = 0.1	x: 0.352 m η = 1.0	x: 0.352 m η = 14.1	x: 0.045 m η = 12.5	x: 0.045 m η = 11.1	**CUMPLE h = 14.1**
N148/N320	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.351 m η = 0.9	x: 0.351 m η = 0.8	x: 0.045 m η = 1.3	x: 0.045 m η = 4.9	x: 0.352 m η = 6.2	x: 0.045 m η = 3.0	x: 0.045 m η = 2.1	x: 0.045 m η = 5.0	x: 0.352 m η = 6.7	x: 0.045 m η = 0.3	x: 0.352 m η = 0.5	x: 0.352 m η = 10.9	x: 0.045 m η = 10.2	x: 0.352 m η = 8.6	**CUMPLE h = 10.9**
N147/N319	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 0.4	x: 0.045 m η = 0.4	x: 0.351 m η = 0.7	x: 0.045 m η = 2.9	x: 0.352 m η = 3.9	x: 0.045 m η = 1.8	x: 0.045 m η = 1.2	x: 0.045 m η = 3.0	x: 0.352 m η = 4.1	x: 0.045 m η = 0.1	x: 0.352 m η = 0.2	x: 0.352 m η = 6.8	x: 0.045 m η = 6.0	x: 0.352 m η = 5.3	**CUMPLE h = 6.8**
N146/N318	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.5	η = 0.6	x: 0.351 m η = 0.6	x: 0.045 m η = 7.2	x: 0.352 m η = 6.1	x: 0.045 m η = 2.8	x: 0.045 m η = 2.9	x: 0.045 m η = 7.4	x: 0.352 m η = 6.4	x: 0.045 m η = 0.6	x: 0.352 m η = 0.5	x: 0.045 m η = 16.4	x: 0.045 m η = 10.8	x: 0.045 m η = 11.5	**CUMPLE h = 16.4**
N164/N336	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.3	η = 0.4	x: 0.352 m η = 6.8	x: 0.045 m η = 2.1	η = 1.1	x: 0.045 m η = 3.3	x: 0.352 m η = 6.8	x: 0.045 m η = 2.3	x: 0.352 m η = 0.6	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 7.0	x: 0.352 m η = 8.5	**CUMPLE h = 8.5**
N163/N335	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.1	x: 0.198 m η = 1.5	x: 0.045 m η = 1.3	x: 0.352 m η = 4.0	η = 2.0	x: 0.352 m η = 0.6	x: 0.352 m η = 1.9	x: 0.352 m η = 4.6	x: 0.352 m η < 0.1	x: 0.352 m η = 0.2	N.P.(4)	x: 0.045 m η = 6.4	x: 0.352 m η = 5.2	**CUMPLE h = 6.4**
N162/N334	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.3	η = 1.3	x: 0.045 m η = 2.9	x: 0.352 m η = 5.0	η = 2.5	x: 0.352 m η = 1.4	x: 0.045 m η = 3.5	x: 0.352 m η = 5.6	x: 0.045 m η = 0.1	x: 0.352 m η = 0.4	N.P.(4)	x: 0.045 m η = 9.0	x: 0.045 m η = 7.2	**CUMPLE h = 9.0**
N160/N332	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.3	η = 1.5	x: 0.045 m η = 2.6	x: 0.352 m η = 6.1	η = 3.0	x: 0.352 m η = 1.2	x: 0.045 m η = 3.3	x: 0.352 m η = 6.8	x: 0.045 m η = 0.1	x: 0.352 m η = 0.6	N.P.(4)	x: 0.045 m η = 10.0	x: 0.045 m η = 8.3	**CUMPLE h = 10.0**
N159/N331	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.2	x: 0.045 m η = 1.8	x: 0.045 m η = 0.8	x: 0.352 m η = 6.7	η = 3.3	x: 0.352 m η = 0.2	x: 0.045 m η = 1.2	x: 0.352 m η = 7.4	x: 0.045 m η < 0.1	x: 0.352 m η = 0.7	N.P.(4)	x: 0.045 m η = 8.6	x: 0.352 m η = 8.4	**CUMPLE h = 8.6**
N158/N330	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.3	x: 0.198 m η = 1.6	x: 0.045 m η = 2.8	x: 0.352 m η = 7.0	η = 3.5	x: 0.352 m η = 1.3	x: 0.045 m η = 3.5	x: 0.352 m η = 7.7	x: 0.045 m η = 0.1	x: 0.352 m η = 0.7	x: 0.045 m η = 13.0	x: 0.045 m η = 11.2	x: 0.045 m η = 9.4	**CUMPLE h = 13.0**
N157/N329	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.1	x: 0.198 m η = 0.2	η = 1.6	x: 0.045 m η = 1.7	x: 0.352 m η = 8.7	η = 4.2	x: 0.352 m η = 0.8	x: 0.045 m η = 2.4	x: 0.352 m η = 9.4	x: 0.045 m η = 0.1	x: 0.352 m η = 1.1	x: 0.352 m η = 12.5	x: 0.352 m η = 11.9	x: 0.352 m η = 11.2	**CUMPLE h = 12.5**
N156/N328	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.7	x: 0.198 m η = 0.9	η = 1.8	x: 0.045 m η = 7.8	x: 0.045 m η = 11.0	x: 0.351 m η = 5.0	x: 0.352 m η = 3.8	x: 0.045 m η = 8.5	x: 0.045 m η = 11.8	x: 0.045 m η = 0.9	x: 0.045 m η = 1.6	x: 0.045 m η = 26.1	x: 0.045 m η = 19.3	x: 0.045 m η = 17.5	**CUMPLE h = 26.1**
N172/N344	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.1	η = 1.5	x: 0.045 m η = 1.3	x: 0.352 m η = 3.9	η = 2.0	x: 0.352 m η = 0.6	x: 0.045 m η = 1.9	x: 0.352 m η = 4.6	x: 0.045 m η < 0.1	x: 0.352 m η = 0.2	N.P.(4)	x: 0.045 m η = 6.5	x: 0.045 m η = 5.2	**CUMPLE h = 6.5**
N171/N343	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.3	η = 1.3	x: 0.045 m η = 2.9	x: 0.352 m η = 5.1	η = 2.5	x: 0.352 m η = 1.4	x: 0.045 m η = 3.5	x: 0.352 m η = 5.6	x: 0.045 m η = 0.1	x: 0.352 m η = 0.4	N.P.(4)	x: 0.045 m η = 9.1	x: 0.045 m η = 7.2	**CUMPLE h = 9.1**
N170/N342	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.2	η = 1.6	x: 0.045 m η = 0.7	x: 0.352 m η = 6.2	η = 3.1	x: 0.352 m η = 0.2	x: 0.045 m η = 1.2	x: 0.352 m η = 6.9	x: 0.045 m η < 0.1	x: 0.352 m η = 0.6	N.P.(4)	x: 0.045 m η = 8.1	x: 0.352 m η = 7.8	**CUMPLE h = 8.1**
N169/N341	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.3	η = 1.6	x: 0.045 m η = 2.5	x: 0.352 m η = 6.1	η = 3.0	x: 0.352 m η = 1.2	x: 0.045 m η = 3.2	x: 0.352 m η = 6.8	x: 0.045 m η = 0.1	x: 0.352 m η = 0.6	N.P.(4)	x: 0.045 m η = 10.0	x: 0.045 m η = 8.2	**CUMPLE h = 10.0**
N168/N340	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.2	x: 0.045 m η = 1.8	x: 0.045 m η = 0.8	x: 0.352 m η = 6.5	η = 3.2	x: 0.352 m η = 0.2	x: 0.045 m η = 1.2	x: 0.352 m η = 7.3	x: 0.045 m η < 0.1	x: 0.352 m η = 0.6	N.P.(4)	x: 0.045 m η = 8.5	x: 0.352 m η = 8.2	**CUMPLE h = 8.5**
N167/N339	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.2	η = 1.6	x: 0.045 m η = 2.6	x: 0.352 m η = 6.8	η = 3.4	x: 0.352 m η = 1.2	x: 0.045 m η = 3.3	x: 0.352 m η = 7.6	x: 0.045 m η = 0.1	x: 0.352 m η = 0.7	x: 0.045 m η = 12.5	x: 0.045 m η = 10.9	x: 0.045 m η = 9.2	**CUMPLE h = 12.5**
N166/N338	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 1.6	x: 0.045 m η = 1.8	x: 0.352 m η = 8.5	x: 0.045 m η = 4.1	x: 0.352 m η = 0.9	x: 0.045 m η = 2.5	x: 0.352 m η = 9.2	x: 0.045 m η = 0.1	x: 0.352 m η = 1.0	x: 0.352 m η = 12.2	x: 0.352 m η = 11.7	x: 0.352 m η = 11.1	**CUMPLE h = 12.2**
N165/N337	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.6	x: 0.198 m η = 1.0	η = 1.6	x: 0.352 m η = 7.6	x: 0.045 m η = 10.2	x: 0.351 m η = 4.7	x: 0.045 m η = 3.6	x: 0.352 m η = 8.2	x: 0.045 m η = 10.9	x: 0.352 m η = 0.8	x: 0.045 m η = 1.4	x: 0.045 m η = 24.3	x: 0.045 m η = 19.0	x: 0.045 m η = 16.3	**CUMPLE h = 24.3**
N161/N333	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.2	η = 1.6	x: 0.045 m η = 0.6	x: 0.352 m η = 6.2	η = 3.1	x: 0.352 m η = 0.2	x: 0.045 m η = 1.2	x: 0.352 m η = 6.9	x: 0.045 m η < 0.1	x: 0.352 m η = 0.6	N.P.(4)	x: 0.045 m η = 8.1	x: 0.352 m η = 7.8	**CUMPLE h = 8.1**
N158/N150	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.347 m η = 0.8	x: 0.045 m η = 0.3	η = 1.0	x: 0.045 m η = 1.5	x: 0.348 m η = 4.0	η = 1.1	x: 0.347 m η = 0.7	x: 0.045 m η = 1.5	x: 0.348 m η = 4.1	x: 0.045 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 7.2	x: 0.348 m η = 3.9	x: 0.348 m η = 5.6	**CUMPLE h = 7.2**
N330/N322	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.354 m η = 0.8	x: 0.045 m η = 0.3	x: 0.2 m η = 0.8	x: 0.355 m η = 1.2	x: 0.355 m η = 2.1	η = 0.7	x: 0.354 m η = 0.6	x: 0.355 m η = 1.6	x: 0.355 m η = 2.2	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 4.0	x: 0.355 m η = 3.1	x: 0.355 m η = 3.2	**CUMPLE h = 4.0**
N383/N384	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 28.2	x: 0 m η = 35.2	x: 0.533 m η = 1.2	x: 0 m η = 27.5	x: 0 m η = 12.6	x: 0 m η = 3.4	x: 0.533 m η = 6.1	x: 0 m η = 27.6	x: 0 m η = 12.6	x: 0 m η = 8.0	x: 0 m η = 1.7	x: 0 m η = 64.7	x: 0 m η = 66.5	x: 0 m η = 68.6	**CUMPLE h = 68.6**
N384/N385	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 19.2	x: 0.315 m η = 24.6	η = 1.7	x: 0.066 m η = 18.8	x: 0.563 m η = 5.5	η = 1.8	η = 6.1	x: 0.066 m η = 19.5	x: 0.563 m η = 6.3	x: 0.066 m η = 4.2	x: 0.563 m η = 0.4	x: 0.066 m η = 48.8	x: 0.066 m η = 49.1	x: 0.066 m η = 48.4	**CUMPLE h = 49.1**
N385/N386	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 14.7	x: 0.037 m η = 19.6	η = 1.3	x: 0.037 m η = 15.6	x: 0.037 m η = 5.5	x: 0.533 m η = 2.0	x: 0.533 m η = 4.5	x: 0.037 m η = 16.2	x: 0.037 m η = 6.0	x: 0.037 m η = 2.8	x: 0.037 m η = 0.4	x: 0.037 m η = 40.8	x: 0.037 m η = 41.9	x: 0.037 m η = 40.1	**CUMPLE h = 41.9**
N386/N387	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 10.6	x: 0.066 m η = 14.4	x: 0.562 m η = 1.1	x: 0.066 m η = 16.2	x: 0.066 m η = 4.6	η = 1.6	η = 5.8	x: 0.066 m η = 16.5	x: 0.066 m η = 4.9	x: 0.066 m η = 3.1	x: 0.066 m η = 0.3	x: 0.066 m η = 36.2	x: 0.066 m η = 35.6	x: 0.066 m η = 35.3	**CUMPLE h = 36.2**
N387/N388	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.286 m η = 6.1	x: 0.286 m η = 9.5	η = 0.8	x: 0.037 m η = 14.9	x: 0.037 m η = 3.0	x: 0.286 m η = 1.0	x: 0.533 m η = 4.8	x: 0.037 m η = 15.2	x: 0.037 m η = 3.3	x: 0.037 m η = 2.6	x: 0.037 m η = 0.1	x: 0.037 m η = 27.6	x: 0.037 m η = 27.7	x: 0.037 m η = 28.1	**CUMPLE h = 28.1**
N388/N389	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 1.6	x: 0.315 m η = 3.8	η = 0.9	x: 0.563 m η = 13.9	x: 0.066 m η = 1.8	x: 0.562 m η = 0.6	x: 0.315 m η = 5.3	x: 0.563 m η = 13.9	x: 0.066 m η = 1.9	x: 0.563 m η = 2.2	x: 0.066 m η < 0.1	x: 0.563 m η = 19.3	x: 0.066 m η = 18.9	x: 0.563 m η = 21.0	**CUMPLE h = 21.0**
N389/N390	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 1.2	x: 0.037 m η = 3.3	η = 0.8	x: 0.037 m η = 14.2	x: 0.534 m η = 2.4	x: 0.286 m η = 0.8	η = 5.2	x: 0.037 m η = 14.2	x: 0.534 m η = 2.5	x: 0.037 m η = 2.3	x: 0.534 m η = 0.1	x: 0.037 m η = 19.2	x: 0.037 m η = 18.8	x: 0.037 m η = 21.0	**CUMPLE h = 21.0**
N390/N391	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 6.3	x: 0.315 m η = 8.2	η = 0.6	x: 0.563 m η = 14.6	x: 0.563 m η = 2.7	x: 0.315 m η = 1.0	η = 4.8	x: 0.563 m η = 14.8	x: 0.563 m η = 2.9	x: 0.563 m η = 2.4	x: 0.563 m η = 0.1	x: 0.563 m η = 27.1	x: 0.563 m η = 25.4	x: 0.563 m η = 26.2	**CUMPLE h = 27.1**
N391/N392	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 10.0	x: 0.037 m η = 12.0	η = 0.8	x: 0.534 m η = 13.8	x: 0.534 m η = 4.6	x: 0.286 m η = 1.6	η = 4.9	x: 0.534 m η = 13.9	x: 0.534 m η = 4.7	x: 0.534 m η = 2.2	x: 0.534 m η = 0.2	x: 0.534 m η = 31.1	x: 0.534 m η = 30.5	x: 0.534 m η = 30.2	**CUMPLE h = 31.1**
N392/N364	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.551 m η = 14.1	x: 0.551 m η = 15.7	x: 0.551 m η = 0.8	x: 0.552 m η = 25.8	x: 0.066 m η = 4.8	x: 0.066 m η = 1.6	x: 0.309 m η = 5.7	x: 0.552 m η = 26.1	x: 0.066 m η = 5.1	x: 0.552 m η = 7.1	x: 0.066 m η = 0.3	x: 0.552 m η = 50.8	x: 0.552 m η = 45.6	x: 0.552 m η = 47.9	**CUMPLE h = 50.8**
N364/N345	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.245 m η = 8.5	x: 0.245 m η = 9.2	x: 0.245 m η = 1.3	x: 0.048 m η = 38.4	x: 0.048 m η = 5.2	x: 0.441 m η = 1.9	x: 0.245 m η = 17.6	x: 0.048 m η = 38.9	x: 0.048 m η = 5.2	x: 0.048 m η = 18.3	x: 0.048 m η = 0.3	x: 0.048 m η = 55.7	x: 0.048 m η = 46.6	x: 0.048 m η = 54.4	**CUMPLE h = 55.7**
N393/N394	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 25.9	x: 0 m η = 30.3	η = 1.2	x: 0 m η = 27.4	x: 0 m η = 11.9	x: 0.562 m η = 3.0	η = 6.3	x: 0 m η = 27.6	x: 0 m η = 11.9	x: 0 m η = 8.0	x: 0 m η = 1.5	x: 0 m η = 60.8	x: 0 m η = 59.9	x: 0 m η = 64.3	**CUMPLE h = 64.3**
N394/N395	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 20.6	x: 0.037 m η = 24.6	η = 1.5	x: 0.037 m η = 17.3	x: 0.534 m η = 6.3	η = 2.3	η = 4.7	x: 0.037 m η = 18.0	x: 0.534 m η = 6.9	x: 0.037 m η = 3.5	x: 0.534 m η = 0.5	x: 0.037 m η = 49.6	x: 0.037 m η = 48.7	x: 0.037 m η = 46.9	**CUMPLE h = 49.6**
N395/N396	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 15.2	x: 0.066 m η = 19.4	η = 1.3	x: 0.066 m η = 17.9	x: 0.066 m η = 5.9	η = 2.2	η = 6.1	x: 0.066 m η = 18.5	x: 0.066 m η = 6.5	x: 0.066 m η = 3.8	x: 0.066 m η = 0.5	x: 0.066 m η = 44.9	x: 0.066 m η = 44.5	x: 0.066 m η = 42.8	**CUMPLE h = 44.9**
N396/N397	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.286 m η = 11.1	x: 0.286 m η = 14.9	η = 1.1	x: 0.037 m η = 16.6	x: 0.037 m η = 4.2	η = 1.5	η = 5.2	x: 0.037 m η = 16.9	x: 0.037 m η = 4.5	x: 0.037 m η = 3.1	x: 0.037 m η = 0.2	x: 0.037 m η = 36.4	x: 0.037 m η = 35.8	x: 0.037 m η = 35.9	**CUMPLE h = 36.4**
N397/N398	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 5.5	x: 0.066 m η = 9.5	η = 0.8	x: 0.066 m η = 15.1	x: 0.066 m η = 3.3	x: 0.315 m η = 1.2	η = 5.6	x: 0.066 m η = 15.4	x: 0.066 m η = 3.7	x: 0.066 m η = 2.7	x: 0.066 m η = 0.1	x: 0.066 m η = 28.0	x: 0.066 m η = 28.5	x: 0.066 m η = 28.8	**CUMPLE h = 28.8**
N398/N399	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 1.2	x: 0.037 m η = 4.8	η = 0.9	x: 0.037 m η = 15.2	x: 0.037 m η = 1.7	x: 0.533 m η = 0.6	x: 0.286 m η = 5.3	x: 0.037 m η = 15.2	x: 0.037 m η = 1.9	x: 0.037 m η = 2.6	x: 0.037 m η < 0.1	x: 0.037 m η = 20.6	x: 0.037 m η = 21.2	x: 0.037 m η = 23.5	**CUMPLE h = 23.5**
N399/N400	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 1.8	x: 0.315 m η = 6.2	η = 0.8	x: 0.563 m η = 14.8	x: 0.563 m η = 2.3	x: 0.315 m η = 0.7	x: 0.315 m η = 5.3	x: 0.563 m η = 14.9	x: 0.563 m η = 2.4	x: 0.563 m η = 2.5	x: 0.563 m η = 0.1	x: 0.563 m η = 20.4	x: 0.563 m η = 22.2	x: 0.563 m η = 24.0	**CUMPLE h = 24.0**
N400/N401	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.286 m η = 5.4	x: 0.286 m η = 10.1	η = 0.7	x: 0.534 m η = 14.7	x: 0.534 m η = 3.0	x: 0.286 m η = 1.1	x: 0.286 m η = 5.6	x: 0.534 m η = 15.0	x: 0.534 m η = 3.3	x: 0.534 m η = 2.6	x: 0.534 m η = 0.1	x: 0.534 m η = 27.1	x: 0.534 m η = 28.3	x: 0.534 m η = 28.8	**CUMPLE h = 28.8**
N401/N402	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 10.8	x: 0.315 m η = 16.7	η = 0.9	x: 0.563 m η = 14.9	x: 0.563 m η = 4.2	x: 0.315 m η = 1.5	x: 0.066 m η = 4.6	x: 0.563 m η = 15.0	x: 0.563 m η = 4.2	x: 0.563 m η = 2.5	x: 0.563 m η = 0.2	x: 0.563 m η = 32.0	x: 0.563 m η = 35.0	x: 0.563 m η = 34.8	**CUMPLE h = 35.0**
N402/N365	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.286 m η = 14.4	x: 0.286 m η = 20.7	x: 0.533 m η = 1.2	x: 0.534 m η = 28.9	x: 0.534 m η = 5.3	x: 0.533 m η = 1.4	x: 0.286 m η = 7.0	x: 0.534 m η = 29.4	x: 0.534 m η = 5.4	x: 0.534 m η = 9.2	x: 0.534 m η = 0.3	x: 0.534 m η = 53.0	x: 0.534 m η = 52.3	x: 0.534 m η = 55.6	**CUMPLE h = 55.6**
N365/N346	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.445 m η = 3.5	x: 0.066 m η = 8.0	η = 2.9	x: 0.446 m η = 37.2	x: 0.066 m η = 5.6	x: 0.066 m η = 2.3	x: 0.066 m η = 18.5	x: 0.446 m η = 38.4	x: 0.066 m η = 5.7	x: 0.446 m η = 18.2	x: 0.066 m η = 0.4	x: 0.446 m η = 53.7	x: 0.446 m η = 47.9	x: 0.446 m η = 53.5	**CUMPLE h = 53.7**
N403/N404	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 28.7	x: 0 m η = 35.8	x: 0.533 m η = 1.1	x: 0 m η = 27.8	x: 0 m η = 12.8	x: 0 m η = 3.4	x: 0.533 m η = 6.2	x: 0 m η = 27.9	x: 0 m η = 12.8	x: 0 m η = 8.2	x: 0 m η = 1.8	x: 0 m η = 65.8	x: 0 m η = 67.5	x: 0 m η = 69.5	**CUMPLE h = 69.5**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N404/N405	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 19.6	x: 0.315 m η = 25.0	η = 1.7	x: 0.066 m η = 18.8	x: 0.563 m η = 5.6	η = 1.9	η = 6.1	x: 0.066 m η = 19.6	x: 0.563 m η = 6.4	x: 0.066 m η = 4.2	x: 0.563 m η = 0.4	x: 0.066 m η = 49.2	x: 0.066 m η = 49.5	x: 0.066 m η = 48.9	**CUMPLE h = 49.5**
N405/N406	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 15.1	x: 0.037 m η = 20.0	η = 1.3	x: 0.037 m η = 15.6	x: 0.037 m η = 5.6	x: 0.533 m η = 2.0	x: 0.533 m η = 4.5	x: 0.037 m η = 16.2	x: 0.037 m η = 6.1	x: 0.037 m η = 2.8	x: 0.037 m η = 0.4	x: 0.037 m η = 41.3	x: 0.037 m η = 42.3	x: 0.037 m η = 40.5	**CUMPLE h = 42.3**
N406/N407	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 10.9	x: 0.066 m η = 14.7	x: 0.562 m η = 1.1	x: 0.066 m η = 16.3	x: 0.066 m η = 4.6	x: 0.315 m η = 1.7	η = 5.8	x: 0.066 m η = 16.5	x: 0.066 m η = 4.9	x: 0.066 m η = 3.1	x: 0.066 m η = 0.3	x: 0.066 m η = 36.6	x: 0.066 m η = 36.1	x: 0.066 m η = 35.7	**CUMPLE h = 36.6**
N407/N408	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 6.4	x: 0.286 m η = 9.8	η = 0.8	x: 0.037 m η = 15.0	x: 0.037 m η = 3.1	x: 0.286 m η = 1.1	x: 0.533 m η = 4.9	x: 0.037 m η = 15.4	x: 0.037 m η = 3.4	x: 0.037 m η = 2.6	x: 0.037 m η = 0.1	x: 0.037 m η = 28.3	x: 0.037 m η = 28.2	x: 0.037 m η = 28.7	**CUMPLE h = 28.7**
N408/N409	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 1.8	x: 0.066 m η = 4.0	η = 0.9	x: 0.563 m η = 14.0	x: 0.066 m η = 1.8	η = 0.6	x: 0.315 m η = 5.3	x: 0.563 m η = 14.0	x: 0.066 m η = 1.9	x: 0.563 m η = 2.3	x: 0.066 m η < 0.1	x: 0.066 m η = 19.7	x: 0.066 m η = 19.2	x: 0.563 m η = 21.3	**CUMPLE h = 21.3**
N409/N410	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 1.1	x: 0.037 m η = 3.2	η = 0.8	x: 0.037 m η = 14.3	x: 0.534 m η = 2.3	x: 0.286 m η = 0.8	η = 5.2	x: 0.037 m η = 14.4	x: 0.534 m η = 2.5	x: 0.037 m η = 2.4	x: 0.534 m η = 0.1	x: 0.037 m η = 19.3	x: 0.037 m η = 18.8	x: 0.037 m η = 21.1	**CUMPLE h = 21.1**
N410/N411	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 6.4	x: 0.315 m η = 8.2	η = 0.6	x: 0.563 m η = 15.2	x: 0.563 m η = 2.7	x: 0.315 m η = 1.0	x: 0.066 m η = 5.0	x: 0.563 m η = 15.4	x: 0.563 m η = 2.9	x: 0.563 m η = 2.6	x: 0.563 m η = 0.1	x: 0.563 m η = 27.9	x: 0.563 m η = 26.1	x: 0.563 m η = 27.0	**CUMPLE h = 27.9**
N411/N412	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 10.2	x: 0.037 m η = 12.3	η = 0.9	x: 0.534 m η = 14.4	x: 0.534 m η = 4.7	x: 0.286 m η = 1.7	η = 5.1	x: 0.534 m η = 14.5	x: 0.534 m η = 4.7	x: 0.534 m η = 2.4	x: 0.534 m η = 0.2	x: 0.534 m η = 32.3	x: 0.534 m η = 31.5	x: 0.534 m η = 31.2	**CUMPLE h = 32.3**
N412/N382	w / t ≤(w / t)máx. Cumple	x: 0.551 m η = 14.5	x: 0.551 m η = 16.2	x: 0.551 m η = 0.8	x: 0.552 m η = 26.8	x: 0.066 m η = 4.8	x: 0.066 m η = 1.7	x: 0.067 m η = 5.9	x: 0.552 m η = 27.1	x: 0.066 m η = 5.1	x: 0.552 m η = 7.7	x: 0.066 m η = 0.3	x: 0.552 m η = 52.5	x: 0.552 m η = 47.1	x: 0.552 m η = 49.6	**CUMPLE h = 52.5**
N382/N363	w / t ≤(w / t)máx. Cumple	x: 0.245 m η = 8.5	x: 0.245 m η = 9.2	η = 1.2	x: 0.048 m η = 39.2	x: 0.048 m η = 4.9	x: 0.441 m η = 1.7	x: 0.245 m η = 18.0	x: 0.048 m η = 39.8	x: 0.048 m η = 4.9	x: 0.048 m η = 19.1	x: 0.048 m η = 0.3	x: 0.048 m η = 56.7	x: 0.048 m η = 47.7	x: 0.048 m η = 55.7	**CUMPLE h = 56.7**
N413/N414	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 25.9	x: 0 m η = 30.4	η = 1.1	x: 0 m η = 27.8	x: 0 m η = 12.1	x: 0.562 m η = 3.1	η = 6.4	x: 0 m η = 28.0	x: 0 m η = 12.1	x: 0 m η = 8.3	x: 0 m η = 1.6	x: 0 m η = 61.5	x: 0 m η = 60.5	x: 0 m η = 65.0	**CUMPLE h = 65.0**
N414/N415	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 20.6	x: 0.037 m η = 24.6	η = 1.5	x: 0.037 m η = 17.2	x: 0.534 m η = 6.4	η = 2.3	η = 4.6	x: 0.037 m η = 17.8	x: 0.534 m η = 7.0	x: 0.037 m η = 3.4	x: 0.534 m η = 0.5	x: 0.037 m η = 49.4	x: 0.037 m η = 48.6	x: 0.037 m η = 46.7	**CUMPLE h = 49.4**
N415/N416	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 15.3	x: 0.066 m η = 19.5	η = 1.3	x: 0.066 m η = 17.9	x: 0.066 m η = 6.0	η = 2.2	η = 6.1	x: 0.066 m η = 18.5	x: 0.066 m η = 6.6	x: 0.066 m η = 3.8	x: 0.066 m η = 0.5	x: 0.066 m η = 45.1	x: 0.066 m η = 44.7	x: 0.066 m η = 42.9	**CUMPLE h = 45.1**
N416/N417	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 11.3	x: 0.286 m η = 15.1	η = 1.1	x: 0.037 m η = 16.5	x: 0.037 m η = 4.3	η = 1.5	η = 5.1	x: 0.037 m η = 16.8	x: 0.037 m η = 4.5	x: 0.037 m η = 3.1	x: 0.037 m η = 0.2	x: 0.037 m η = 36.5	x: 0.037 m η = 35.9	x: 0.037 m η = 35.9	**CUMPLE h = 36.5**
N417/N418	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 5.7	x: 0.066 m η = 9.7	η = 0.8	x: 0.066 m η = 15.3	x: 0.066 m η = 3.4	x: 0.315 m η = 1.2	η = 5.7	x: 0.066 m η = 15.7	x: 0.066 m η = 3.8	x: 0.066 m η = 2.8	x: 0.066 m η = 0.2	x: 0.066 m η = 28.7	x: 0.066 m η = 29.1	x: 0.066 m η = 29.3	**CUMPLE h = 29.3**
N418/N419	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 1.4	x: 0.037 m η = 5.0	η = 0.9	x: 0.037 m η = 15.3	x: 0.037 m η = 1.7	x: 0.533 m η = 0.5	x: 0.286 m η = 5.3	x: 0.037 m η = 15.3	x: 0.037 m η = 1.8	x: 0.037 m η = 2.6	x: 0.037 m η < 0.1	x: 0.037 m η = 21.0	x: 0.037 m η = 21.5	x: 0.037 m η = 23.9	**CUMPLE h = 23.9**
N419/N420	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 1.7	x: 0.315 m η = 6.0	η = 0.8	x: 0.563 m η = 15.0	x: 0.563 m η = 2.2	η = 0.7	x: 0.315 m η = 5.4	x: 0.563 m η = 15.1	x: 0.563 m η = 2.4	x: 0.563 m η = 2.6	x: 0.563 m η = 0.1	x: 0.563 m η = 20.3	x: 0.563 m η = 22.1	x: 0.563 m η = 23.9	**CUMPLE h = 23.9**
N420/N421	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 5.3	x: 0.037 m η = 10.0	η = 0.6	x: 0.534 m η = 14.9	x: 0.534 m η = 3.0	x: 0.286 m η = 1.1	x: 0.286 m η = 5.7	x: 0.534 m η = 15.2	x: 0.534 m η = 3.3	x: 0.534 m η = 2.6	x: 0.534 m η = 0.1	x: 0.534 m η = 27.3	x: 0.534 m η = 28.2	x: 0.534 m η = 28.9	**CUMPLE h = 28.9**
N421/N422	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 10.8	x: 0.315 m η = 16.7	η = 0.9	x: 0.563 m η = 15.9	x: 0.563 m η = 4.3	η = 1.5	η = 4.9	x: 0.563 m η = 16.1	x: 0.563 m η = 4.4	x: 0.563 m η = 2.8	x: 0.563 m η = 0.2	x: 0.563 m η = 34.0	x: 0.563 m η = 36.5	x: 0.563 m η = 36.4	**CUMPLE h = 36.5**
N422/N381	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 14.5	x: 0.286 m η = 20.8	x: 0.533 m η = 1.2	x: 0.534 m η = 29.7	x: 0.534 m η = 5.2	x: 0.533 m η = 1.4	x: 0.286 m η = 7.2	x: 0.534 m η = 30.2	x: 0.534 m η = 5.3	x: 0.534 m η = 9.7	x: 0.534 m η = 0.3	x: 0.534 m η = 54.3	x: 0.534 m η = 53.2	x: 0.534 m η = 56.7	**CUMPLE h = 56.7**
N381/N362	w / t ≤(w / t)máx. Cumple	x: 0.445 m η = 3.9	x: 0.066 m η = 8.1	η = 2.9	x: 0.446 m η = 38.0	x: 0.066 m η = 5.2	x: 0.066 m η = 2.1	x: 0.066 m η = 19.0	x: 0.446 m η = 39.3	x: 0.066 m η = 5.4	x: 0.446 m η = 19.0	x: 0.066 m η = 0.3	x: 0.446 m η = 54.5	x: 0.446 m η = 48.6	x: 0.446 m η = 54.4	**CUMPLE h = 54.5**
N345/N423	w / t ≤(w / t)máx. Cumple	x: 0.059 m η = 5.2	x: 0.059 m η = 5.8	x: 0.168 m η = 2.5	x: 0.278 m η = 16.7	x: 0.278 m η = 6.6	x: 0.059 m η = 3.5	x: 0.168 m η = 5.1	x: 0.278 m η = 17.7	x: 0.278 m η = 7.0	x: 0.278 m η = 3.4	x: 0.278 m η = 0.6	x: 0.278 m η = 27.3	x: 0.278 m η = 21.9	x: 0.278 m η = 21.3	**CUMPLE h = 27.3**
N423/N424	w / t ≤(w / t)máx. Cumple	x: 0.287 m η = 4.0	x: 0.287 m η = 4.2	x: 0.047 m η = 2.0	x: 0.288 m η = 2.9	x: 0.288 m η = 2.5	x: 0.287 m η = 1.1	x: 0.287 m η = 2.1	x: 0.288 m η = 3.2	x: 0.288 m η = 3.3	x: 0.288 m η = 0.1	x: 0.287 m η = 0.1	x: 0.288 m η = 10.9	x: 0.288 m η = 9.1	x: 0.288 m η = 8.4	**CUMPLE h = 10.9**
N424/N425	w / t ≤(w / t)máx. Cumple	x: 0.262 m η = 4.5	x: 0.262 m η = 4.9	η = 2.0	x: 0.037 m η = 2.4	x: 0.037 m η = 7.5	x: 0.037 m η = 2.5	x: 0.037 m η = 0.5	x: 0.037 m η = 2.7	x: 0.037 m η = 7.7	x: 0.037 m η = 0.1	x: 0.037 m η = 0.6	x: 0.037 m η = 12.8	x: 0.037 m η = 9.2	x: 0.037 m η = 10.2	**CUMPLE h = 12.8**
N425/N426	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 3.1	x: 0.062 m η = 6.1	x: 0.287 m η = 2.9	x: 0.062 m η = 3.0	x: 0.062 m η = 8.9	η = 3.5	x: 0.062 m η = 1.2	x: 0.062 m η = 3.6	x: 0.062 m η = 10.2	x: 0.062 m η = 0.1	x: 0.062 m η = 1.2	x: 0.062 m η = 16.8	x: 0.062 m η = 16.1	x: 0.062 m η = 14.6	**CUMPLE h = 16.8**
N426/N427	w / t ≤(w / t)máx. Cumple	x: 0.262 m η = 3.0	x: 0.262 m η = 6.3	x: 0.037 m η = 2.5	x: 0.037 m η = 1.3	x: 0.488 m η = 8.9	η = 3.7	x: 0.488 m η = 0.4	x: 0.037 m η = 2.1	x: 0.488 m η = 10.0	x: 0.037 m η < 0.1	x: 0.488 m η = 1.1	x: 0.037 m η = 2.7	x: 0.037 m η = 14.4	x: 0.488 m η = 13.5	**CUMPLE h = 14.4**
N427/N428	w / t ≤(w / t)máx. Cumple	x: 0.287 m η = 1.6	x: 0.287 m η = 6.2	x: 0.512 m η = 2.2	x: 0.513 m η = 1.6	x: 0.513 m η = 6.4	x: 0.512 m η = 2.4	x: 0.062 m η = 0.6	x: 0.513 m η = 2.2	x: 0.513 m η = 7.4	x: 0.513 m η = 0.1	x: 0.513 m η = 0.6	x: 0.513 m η = 3.2	x: 0.513 m η = 12.2	x: 0.513 m η = 11.0	**CUMPLE h = 12.2**
N428/N429	w / t ≤(w / t)máx. Cumple	x: 0.037 m η = 1.4	x: 0.037 m η = 6.1	η = 2.1	x: 0.037 m η = 1.7	x: 0.488 m η = 6.7	x: 0.037 m η = 2.6	x: 0.488 m η = 0.7	x: 0.037 m η = 2.6	x: 0.488 m η = 7.6	x: 0.037 m η = 0.1	x: 0.488 m η = 0.6	x: 0.488 m η = 12.0	x: 0.488 m η = 14.7	x: 0.488 m η = 13.4	**CUMPLE h = 14.7**
N429/N430	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 1.8	x: 0.062 m η = 6.5	x: 0.062 m η = 1.8	x: 0.513 m η = 1.3	x: 0.513 m η = 4.9	x: 0.062 m η = 1.7	x: 0.062 m η = 0.4	x: 0.513 m η = 1.5	x: 0.513 m η = 5.6	x: 0.512 m η < 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 8.2	x: 0.513 m η = 11.5	x: 0.513 m η = 10.5	**CUMPLE h = 11.5**
N430/N431	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 1.8	x: 0.037 m η = 6.4	x: 0.037 m η = 1.8	x: 0.037 m η = 2.1	x: 0.488 m η = 5.1	x: 0.037 m η = 1.9	x: 0.488 m η = 0.8	x: 0.037 m η = 2.8	x: 0.488 m η = 5.9	x: 0.037 m η = 0.1	x: 0.488 m η = 0.4	x: 0.488 m η = 11.0	x: 0.488 m η = 14.1	x: 0.488 m η = 12.4	**CUMPLE h = 14.1**
N431/N432	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 1.5	x: 0.062 m η = 4.7	x: 0.063 m η = 1.2	x: 0.513 m η = 0.7	x: 0.513 m η = 3.0	x: 0.063 m η = 0.9	x: 0.062 m η = 0.2	x: 0.062 m η = 1.0	x: 0.513 m η = 3.5	x: 0.062 m η < 0.1	x: 0.513 m η = 0.1	x: 0.513 m η = 5.5	x: 0.513 m η = 7.7	x: 0.513 m η = 6.9	**CUMPLE h = 7.7**
N432/N433	w / t ≤(w / t)máx. Cumple	x: 0.52 m η = 1.4	x: 0.037 m η = 4.3	x: 0.038 m η = 1.1	x: 0.521 m η = 3.1	x: 0.521 m η = 2.9	x: 0.038 m η = 0.8	x: 0.521 m η = 1.1	x: 0.521 m η = 3.5	x: 0.521 m η = 3.4	x: 0.521 m η = 0.1	x: 0.521 m η = 0.1	x: 0.521 m η = 7.8	x: 0.521 m η = 10.3	x: 0.521 m η = 9.0	**CUMPLE h = 10.3**
N434/N435	w / t ≤(w / t)máx. Cumple	x: 0.287 m η = 4.2	x: 0.287 m η = 4.5	x: 0.047 m η = 2.1	x: 0.288 m η = 3.0	x: 0.047 m η = 2.8	η = 1.2	x: 0.287 m η = 2.2	x: 0.288 m η = 3.4	x: 0.047 m η = 3.6	x: 0.288 m η = 0.2	x: 0.047 m η = 0.1	x: 0.288 m η = 11.3	x: 0.288 m η = 9.6	x: 0.288 m η = 8.7	**CUMPLE h = 11.3**
N435/N436	w / t ≤(w / t)máx. Cumple	x: 0.262 m η = 4.8	x: 0.262 m η = 5.3	x: 0.037 m η = 1.2	x: 0.037 m η = 2.4	x: 0.037 m η = 7.8	η = 2.5	x: 0.037 m η = 0.5	x: 0.037 m η = 2.4	x: 0.037 m η = 8.4	x: 0.037 m η = 0.1	x: 0.037 m η = 0.8	x: 0.037 m η = 12.9	x: 0.037 m η = 10.8	x: 0.037 m η = 10.9	**CUMPLE h = 12.9**
N436/N437	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 3.3	x: 0.062 m η = 6.2	x: 0.287 m η = 2.1	x: 0.062 m η = 3.0	x: 0.062 m η = 7.6	x: 0.287 m η = 3.2	x: 0.062 m η = 1.2	x: 0.062 m η = 3.7	x: 0.062 m η = 8.5	x: 0.062 m η = 0.1	x: 0.062 m η = 0.8	x: 0.062 m η = 14.6	x: 0.062 m η = 15.4	x: 0.062 m η = 13.7	**CUMPLE h = 15.4**
N437/N438	w / t ≤(w / t)máx. Cumple	x: 0.262 m η = 3.2	x: 0.262 m η = 6.4	x: 0.037 m η = 2.3	x: 0.037 m η = 1.3	x: 0.488 m η = 8.8	η = 3.7	x: 0.488 m η = 0.4	x: 0.037 m η = 2.0	x: 0.488 m η = 9.8	x: 0.037 m η < 0.1	x: 0.488 m η = 1.1	x: 0.488 m η = 4.1	x: 0.037 m η = 14.4	x: 0.037 m η = 13.6	**CUMPLE h = 14.4**
N438/N439	w / t ≤(w / t)máx. Cumple	x: 0.287 m η = 1.7	x: 0.287 m η = 6.2	x: 0.512 m η = 2.2	x: 0.513 m η = 1.6	x: 0.513 m η = 6.3	x: 0.512 m η = 2.4	x: 0.062 m η = 0.6	x: 0.513 m η = 2.1	x: 0.513 m η = 7.2	x: 0.513 m η < 0.1	x: 0.513 m η = 0.6	x: 0.513 m η = 3.2	x: 0.513 m η = 11.8	x: 0.513 m η = 10.7	**CUMPLE h = 11.8**
N439/N440	w / t ≤(w / t)máx. Cumple	x: 0.037 m η = 1.5	x: 0.037 m η = 6.1	η = 2.1	x: 0.037 m η = 1.7	x: 0.488 m η = 6.5	x: 0.037 m η = 2.6	x: 0.488 m η = 0.7	x: 0.037 m η = 2.6	x: 0.488 m η = 7.4	x: 0.037 m η = 0.1	x: 0.488 m η = 0.6	x: 0.488 m η = 12.0	x: 0.488 m η = 14.7	x: 0.488 m η = 13.4	**CUMPLE h = 14.7**
N440/N441	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 1.7	x: 0.062 m η = 6.4	x: 0.062 m η = 1.8	x: 0.513 m η = 1.3	x: 0.513 m η = 4.8	x: 0.062 m η = 1.7	x: 0.062 m η = 0.4	x: 0.513 m η = 1.5	x: 0.513 m η = 5.4	x: 0.512 m η < 0.1	x: 0.513 m η = 0.3	x: 0.513 m η = 8.1	x: 0.513 m η = 11.4	x: 0.513 m η = 10.4	**CUMPLE h = 11.4**
N441/N442	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 1.7	x: 0.037 m η = 6.3	x: 0.037 m η = 1.8	x: 0.037 m η = 2.1	x: 0.488 m η = 4.9	x: 0.037 m η = 1.8	x: 0.488 m η = 0.8	x: 0.037 m η = 2.8	x: 0.488 m η = 5.8	x: 0.037 m η = 0.1	x: 0.488 m η = 0.4	x: 0.488 m η = 10.9	x: 0.488 m η = 13.9	x: 0.488 m η = 12.3	**CUMPLE h = 13.9**
N442/N443	w / t ≤(w / t)máx. Cumple	x: 0.512 m η = 1.5	x: 0.062 m η = 4.7	x: 0.063 m η = 1.1	x: 0.513 m η = 0.7	x: 0.513 m η = 2.9	x: 0.512 m η = 0.9	x: 0.062 m η = 0.2	x: 0.062 m η = 1.0	x: 0.513 m η = 3.4	x: 0.062 m η < 0.1	x: 0.513 m η = 0.1	x: 0.513 m η = 5.3	x: 0.513 m η = 7.6	x: 0.513 m η = 6.8	**CUMPLE h = 7.6**
N443/N433	w / t ≤(w / t)máx. Cumple	x: 0.52 m η = 1.3	x: 0.037 m η = 4.3	x: 0.038 m η = 1.1	x: 0.521 m η = 3.1	x: 0.521 m η = 2.8	x: 0.52 m η = 0.8	x: 0.521 m η = 1.1	x: 0.521 m η = 3.4	x: 0.521 m η = 3.3	x: 0.521 m η = 0.1	x: 0.521 m η = 0.1	x: 0.521 m η = 7.6	x: 0.521 m η = 10.0	x: 0.521 m η = 8.8	**CUMPLE h = 10.0**
N362/N444	w / t ≤(w / t)máx. Cumple	x: 0.365 m η = 4.9	x: 0.365 m η = 9.8	x: 0.512 m η = 7.0	x: 0.218 m η = 6.2	x: 0.218 m η = 11.7	x: 0.365 m η = 4.7	x: 0.218 m η = 2.6	x: 0.218 m η = 8.9	x: 0.218 m η = 14.4	x: 0.218 m η = 0.9	x: 0.218 m η = 2.3	x: 0.218 m η = 31.9	x: 0.218 m η = 32.9	x: 0.218 m η = 26.1	**CUMPLE h = 32.9**
N444/N445	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 3.7	x: 0.037 m η = 8.1	η = 2.7	x: 0.037 m η = 1.9	x: 0.037 m η = 2.9	x: 0.487 m η = 1.0	x: 0.037 m η = 0.8	x: 0.037 m η = 2.9	x: 0.037 m η = 3.9	x: 0.037 m η = 0.1	x: 0.037 m η = 0.2	x: 0.037 m η = 10.5	x: 0.037 m η = 14.9	x: 0.037 m η = 12.5	**CUMPLE h = 14.9**
N445/N446	w / t ≤(w / t)máx. Cumple	x: 0.063 m η = 1.7	x: 0.063 m η = 3.5	x: 0.062 m η = 2.4	x: 0.062 m η = 1.4	x: 0.513 m η = 2.5	x: 0.287 m η = 0.8	x: 0.513 m η = 0.4	x: 0.513 m η = 2.0	x: 0.513 m η = 3.3	x: 0.513 m η < 0.1	x: 0.513 m η = 0.1	x: 0.513 m η = 6.0	x: 0.513 m η = 6.5	x: 0.513 m η = 4.8	**CUMPLE h = 6.5**
N446/N447	w / t ≤(w / t)máx. Cumple	x: 0.487 m η = 1.8	x: 0.037 m η = 3.3	x: 0.487 m η = 2.2	x: 0.488 m η = 1.7	x: 0.488 m η = 1.1	η = 0.3	x: 0.037 m η = 0.6	x: 0.488 m η = 2.0	x: 0.488 m η = 1.6	x: 0.488 m η < 0.1	x: 0.487 m η < 0.1	N.P.[4]	x: 0.488 m η = 5.0	x: 0.037 m η = 4.6	**CUMPLE h = 5.0**
N447/N448	w / t ≤(w / t)máx. Cumple	x: 0.287 m η = 2.2	x: 0.287 m η = 2.7	η = 2.1	x: 0.062 m η = 1.6	x: 0.062 m η = 1.7	x: 0.062 m η = 0.4	x: 0.513 m η = 0.6	x: 0.062 m η = 2.5	x: 0.062 m η = 2.6	x: 0.062 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 6.6	x: 0.062 m η = 7.6	x: 0.062 m η = 5.4	**CUMPLE h = 7.6**
N448/N449	w / t ≤(w / t)máx. Cumple	x: 0.488 m η = 2.1	x: 0.488 m η = 2.6	x: 0.487 m η = 1.7	x: 0.488 m η = 1.5	x: 0.037 m η = 1.3	η = 0.4	x: 0.037 m η = 0.4	x: 0.488 m η = 1.6	x: 0.037 m η = 2.1	x: 0.487 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 5.4	x: 0.037 m η = 5.7	x: 0.037 m η = 4.3	**CUMPLE h = 5.7**
N449/N450	w / t ≤(w / t)máx. Cumple	x: 0.287 m η = 3.4	x: 0.287 m η = 4.4	η = 1.7	x: 0.062 m η = 2.0	x: 0.062 m η = 2.3	x: 0.512 m η = 0.6	x: 0.512 m η = 0.8	x: 0.062 m η = 2.7	x: 0.062 m η = 3.0	x: 0.062 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 8.9	x: 0.062 m η = 10.1	x: 0.062 m η = 8.1	**CUMPLE h = 10.1**
N450/N451	w / t ≤(w / t)máx. Cumple	x: 0.037 m η = 3.1	x: 0.037 m η = 4.2	η = 1.2	x: 0.485 m η = 1.2	x: 0.037 m η = 1.7	x: 0.261 m η = 0.5	x: 0.037 m η = 0.4	x: 0.485 m η = 1.6	x: 0.037 m η = 2.2	x: 0.485 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 6.9	x: 0.037 m η = 7.4	x: 0.037 m η = 6.4	**CUMPLE h = 7.4**
N451/N452	w / t ≤(w / t)máx. Cumple	x: 0.464 m η = 4.3	x: 0.464 m η = 7.1	η = 1.1	x: 0.465 m η = 4.4	x: 0.065 m η = 1.7	x: 0.464 m η = 0.5	x: 0.464 m η = 1.8	x: 0.465 m η = 4.8	x: 0.065 m η = 2.2	x: 0.465 m η = 0.3	x: 0.065 m η = 0.1	x: 0.065 m η = 9.5	x: 0.465 m η = 12.8	x: 0.465 m η = 12.7	**CUMPLE h = 12.8**
N346/N453	w / t ≤(w / t)máx. Cumple	x: 0.365 m η = 5.1	x: 0.365 m η = 9.9	x: 0.512 m η = 6.8	x: 0.218 m η = 6.2	x: 0.218 m η = 11.5	x: 0.365 m η = 4.6	x: 0.218 m η = 2.6	x: 0.218 m η = 8.8	x: 0.218 m η = 14.4	x: 0.218 m η = 0.8	x: 0.218 m η = 2.3	x: 0.218 m η = 31.6	x: 0.218 m η = 32.6	x: 0.218 m η = 25.9	**CUMPLE h = 32.6**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N453/N454	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 3.9	x: 0.037 m η = 8.3	η = 2.4	x: 0.488 m η = 1.9	x: 0.037 m η = 2.9	x: 0.487 m η = 1.0	x: 0.037 m η = 0.8	x: 0.488 m η = 3.0	x: 0.037 m η = 4.0	x: 0.488 m η = 0.1	x: 0.037 m η = 0.2	x: 0.037 m η = 10.7	x: 0.037 m η = 15.2	x: 0.037 m η = 12.6	**CUMPLE h = 15.2**
N454/N455	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 1.5	x: 0.063 m η = 3.3	η = 2.4	x: 0.062 m η = 1.4	x: 0.513 m η = 2.5	x: 0.287 m η = 0.8	x: 0.513 m η = 0.4	x: 0.062 m η = 2.0	x: 0.513 m η = 3.3	x: 0.062 m η < 0.1	x: 0.513 m η = 0.1	x: 0.513 m η = 6.2	x: 0.513 m η = 6.7	x: 0.513 m η = 5.1	**CUMPLE h = 6.7**
N455/N456	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 1.7	x: 0.037 m η = 3.2	x: 0.487 m η = 2.2	x: 0.488 m η = 1.7	x: 0.488 m η = 1.1	η = 0.4	x: 0.037 m η = 0.6	x: 0.488 m η = 2.1	x: 0.488 m η = 1.6	x: 0.488 m η < 0.1	x: 0.487 m η < 0.1	x: 0.488 m η = 3.3	x: 0.488 m η = 5.2	x: 0.488 m η = 4.6	**CUMPLE h = 5.2**
N456/N457	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.287 m η = 2.1	x: 0.287 m η = 2.7	η = 2.2	x: 0.062 m η = 1.5	x: 0.062 m η = 1.7	x: 0.062 m η = 0.4	x: 0.513 m η = 0.6	x: 0.062 m η = 2.5	x: 0.062 m η = 2.7	x: 0.062 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 6.3	x: 0.062 m η = 7.6	x: 0.062 m η = 5.3	**CUMPLE h = 7.6**
N457/N458	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 2.0	x: 0.037 m η = 2.5	η = 1.7	x: 0.488 m η = 1.5	x: 0.037 m η = 1.4	x: 0.487 m η = 0.4	x: 0.037 m η = 0.4	x: 0.488 m η = 1.6	x: 0.037 m η = 2.1	x: 0.487 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 5.3	x: 0.037 m η = 5.7	x: 0.037 m η = 4.3	**CUMPLE h = 5.7**
N458/N459	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.287 m η = 3.3	x: 0.287 m η = 4.4	η = 1.8	x: 0.062 m η = 2.0	x: 0.062 m η = 2.3	x: 0.512 m η = 0.7	x: 0.512 m η = 0.8	x: 0.062 m η = 2.8	x: 0.062 m η = 3.1	x: 0.062 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 8.7	x: 0.062 m η = 10.1	x: 0.062 m η = 8.1	**CUMPLE h = 10.1**
N459/N460	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 3.1	x: 0.037 m η = 4.1	η = 1.2	x: 0.485 m η = 1.1	x: 0.037 m η = 1.7	x: 0.261 m η = 0.5	x: 0.037 m η = 0.4	x: 0.485 m η = 1.6	x: 0.037 m η = 2.2	x: 0.485 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 6.8	x: 0.037 m η = 7.4	x: 0.037 m η = 6.3	**CUMPLE h = 7.4**
N460/N452	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.265 m η = 4.3	x: 0.265 m η = 7.1	η = 1.1	x: 0.465 m η = 4.4	x: 0.065 m η = 1.6	x: 0.464 m η = 0.5	x: 0.464 m η = 1.8	x: 0.465 m η = 4.9	x: 0.065 m η = 2.1	x: 0.465 m η = 0.3	x: 0.065 m η < 0.1	x: 0.065 m η = 9.4	x: 0.465 m η = 12.9	x: 0.465 m η = 12.6	**CUMPLE h = 12.9**
N384/N395	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.361 m η = 5.1	x: 0.361 m η = 6.9	η = 2.4	x: 0.64 m η = 5.8	x: 0.081 m η = 8.4	η = 1.9	x: 0.081 m η = 1.5	x: 0.64 m η = 6.8	x: 0.081 m η = 9.4	x: 0.64 m η = 0.5	x: 0.081 m η = 0.9	x: 0.081 m η = 22.9	x: 0.081 m η = 21.8	x: 0.081 m η = 18.6	**CUMPLE h = 22.9**
N385/N395	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.2 m η = 2.3	x: 0.2 m η = 2.2	x: 0.2 m η = 1.0	x: 0.355 m η = 2.0	x: 0.355 m η = 4.0	x: 0.2 m η = 1.9	x: 0.045 m η = 1.0	x: 0.355 m η = 2.0	x: 0.355 m η = 4.5	x: 0.355 m η < 0.1	x: 0.355 m η = 0.2	x: 0.355 m η = 9.0	x: 0.355 m η = 8.0	x: 0.355 m η = 7.4	**CUMPLE h = 9.0**
N395/N386	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 4.4	x: 0.081 m η = 5.1	x: 0.361 m η = 1.9	x: 0.081 m η = 5.9	x: 0.081 m η = 8.4	x: 0.361 m η = 2.0	x: 0.081 m η = 1.6	x: 0.081 m η = 6.7	x: 0.081 m η = 9.2	x: 0.081 m η = 0.5	x: 0.081 m η = 0.9	x: 0.081 m η = 22.8	x: 0.081 m η = 20.9	x: 0.081 m η = 17.8	**CUMPLE h = 22.8**
N386/N397	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.0	x: 0.081 m η = 4.6	η = 1.1	x: 0.081 m η = 4.6	x: 0.081 m η = 8.3	η = 2.0	x: 0.081 m η = 1.2	x: 0.081 m η = 5.1	x: 0.081 m η = 8.8	x: 0.081 m η = 0.3	x: 0.081 m η = 0.8	x: 0.081 m η = 19.0	x: 0.081 m η = 18.2	x: 0.081 m η = 16.2	**CUMPLE h = 19.0**
N397/N388	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.2	x: 0.081 m η = 3.8	x: 0.361 m η = 0.9	x: 0.081 m η = 3.1	x: 0.081 m η = 7.5	x: 0.361 m η = 2.0	x: 0.081 m η = 0.8	x: 0.081 m η = 3.5	x: 0.081 m η = 7.9	x: 0.081 m η = 0.1	x: 0.081 m η = 0.7	x: 0.081 m η = 15.0	x: 0.081 m η = 13.7	x: 0.081 m η = 12.5	**CUMPLE h = 15.0**
N388/N399	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 2.8	x: 0.081 m η = 4.3	x: 0.639 m η = 0.5	x: 0.081 m η = 1.6	x: 0.081 m η = 7.7	η = 2.0	x: 0.081 m η = 0.4	x: 0.081 m η = 1.8	x: 0.081 m η = 7.8	x: 0.081 m η < 0.1	x: 0.081 m η = 0.7	x: 0.081 m η = 11.0	x: 0.081 m η = 11.2	x: 0.081 m η = 11.5	**CUMPLE h = 11.5**
N399/N390	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.1	x: 0.081 m η = 3.6	η = 0.5	x: 0.64 m η = 1.7	x: 0.64 m η = 7.4	x: 0.081 m η = 2.0	x: 0.081 m η = 0.4	x: 0.64 m η = 1.7	x: 0.64 m η = 7.4	x: 0.64 m η < 0.1	x: 0.64 m η = 0.6	x: 0.64 m η = 10.4	x: 0.64 m η = 9.7	x: 0.64 m η = 10.1	**CUMPLE h = 10.4**
N390/N401	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.0	x: 0.081 m η = 4.5	x: 0.361 m η = 0.8	x: 0.64 m η = 2.8	x: 0.64 m η = 7.3	x: 0.361 m η = 2.0	x: 0.361 m η = 0.8	x: 0.64 m η = 3.2	x: 0.64 m η = 7.6	x: 0.64 m η = 0.1	x: 0.64 m η = 0.6	x: 0.64 m η = 13.8	x: 0.64 m η = 13.5	x: 0.64 m η = 12.5	**CUMPLE h = 13.8**
N401/N392	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.4	x: 0.081 m η = 3.9	η = 0.9	x: 0.64 m η = 4.4	x: 0.64 m η = 7.8	η = 1.8	x: 0.081 m η = 1.1	x: 0.64 m η = 4.7	x: 0.64 m η = 8.2	x: 0.64 m η = 0.2	x: 0.64 m η = 0.7	x: 0.64 m η = 17.4	x: 0.64 m η = 16.1	x: 0.64 m η = 14.4	**CUMPLE h = 17.4**
N392/N365	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.361 m η = 3.2	x: 0.361 m η = 4.7	η = 4.6	x: 0.081 m η = 4.5	x: 0.64 m η = 14.9	η = 2.3	x: 0.081 m η = 1.1	x: 0.081 m η = 6.5	x: 0.64 m η = 16.9	x: 0.081 m η = 0.4	x: 0.64 m η = 2.9	x: 0.64 m η = 29.4	x: 0.64 m η = 26.4	x: 0.64 m η = 23.4	**CUMPLE h = 29.4**
N386/N396	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.9	η = 1.8	η = 1.0	x: 0.045 m η = 2.8	x: 0.045 m η = 2.8	η = 1.3	x: 0.045 m η = 1.4	x: 0.045 m η = 2.9	x: 0.045 m η = 3.2	x: 0.045 m η = 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 8.5	x: 0.045 m η = 6.7	x: 0.045 m η = 5.9	**CUMPLE h = 8.5**
N387/N397	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.4	η = 1.2	η = 1.1	x: 0.355 m η = 2.8	x: 0.355 m η = 2.0	η = 1.0	x: 0.045 m η = 1.4	x: 0.355 m η = 2.8	x: 0.355 m η = 2.5	x: 0.355 m η = 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 6.9	x: 0.355 m η = 5.9	x: 0.355 m η = 4.5	**CUMPLE h = 6.9**
N388/N398	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.6	η = 1.0	x: 0.045 m η = 2.7	x: 0.045 m η = 1.1	η = 0.5	x: 0.045 m η = 1.3	x: 0.045 m η = 2.8	x: 0.045 m η = 1.6	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 5.5	x: 0.045 m η = 3.9	x: 0.045 m η = 3.7	**CUMPLE h = 5.5**
N389/N399	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.3	η < 0.1	η = 1.1	x: 0.355 m η = 2.8	x: 0.355 m η = 0.3	x: 0.2 m η = 0.2	x: 0.045 m η = 1.4	x: 0.355 m η = 2.8	x: 0.355 m η = 0.8	x: 0.355 m η = 0.1	x: 0.354 m η < 0.1	x: 0.355 m η = 4.1	x: 0.045 m η < 0.1	x: 0.355 m η = 3.7	**CUMPLE h = 4.1**
N390/N400	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.2 m η = 0.7	x: 0.2 m η = 0.4	x: 0.2 m η = 1.0	x: 0.045 m η = 2.8	x: 0.045 m η = 0.4	x: 0.2 m η = 0.2	x: 0.045 m η = 1.4	x: 0.045 m η = 2.8	x: 0.045 m η = 0.8	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 3.7	x: 0.045 m η = 3.3	x: 0.045 m η = 3.5	**CUMPLE h = 3.7**
N391/N401	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.2	η = 1.0	η = 1.1	x: 0.355 m η = 2.8	x: 0.355 m η = 1.6	η = 0.7	x: 0.045 m η = 1.4	x: 0.355 m η = 2.8	x: 0.355 m η = 2.1	x: 0.355 m η = 0.1	x: 0.355 m η < 0.1	x: 0.355 m η = 6.5	x: 0.355 m η = 4.8	x: 0.355 m η = 4.1	**CUMPLE h = 6.5**
N392/N402	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.5	η = 1.4	η = 0.8	x: 0.045 m η = 3.5	x: 0.355 m η = 2.5	η = 1.2	x: 0.045 m η = 1.7	x: 0.045 m η = 3.6	x: 0.355 m η = 2.8	x: 0.045 m η = 0.2	x: 0.355 m η = 0.1	x: 0.355 m η = 5.8	x: 0.045 m η = 4.9	x: 0.355 m η = 4.9	**CUMPLE h = 5.8**
N384/N394	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.6	η = 1.4	η = 1.6	x: 0.045 m η = 9.2	x: 0.045 m η = 4.2	η = 1.8	x: 0.045 m η = 4.5	x: 0.045 m η = 9.4	x: 0.045 m η = 4.8	x: 0.045 m η = 1.1	x: 0.045 m η = 0.3	x: 0.045 m η = 15.9	x: 0.045 m η = 12.9	x: 0.045 m η = 12.4	**CUMPLE h = 15.9**
N414/N404	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.6	η = 1.5	η = 1.6	x: 0.355 m η = 9.3	x: 0.355 m η = 4.0	η = 1.7	x: 0.355 m η = 4.5	x: 0.355 m η = 9.5	x: 0.355 m η = 4.6	x: 0.355 m η = 1.1	x: 0.355 m η = 0.2	x: 0.355 m η = 15.7	x: 0.355 m η = 12.8	x: 0.355 m η = 12.4	**CUMPLE h = 15.7**
N404/N415	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.361 m η = 5.2	x: 0.361 m η = 7.0	η = 2.4	x: 0.64 m η = 5.9	x: 0.081 m η = 8.3	η = 1.9	x: 0.081 m η = 1.5	x: 0.64 m η = 6.9	x: 0.081 m η = 9.4	x: 0.64 m η = 0.5	x: 0.081 m η = 0.9	x: 0.081 m η = 23.1	x: 0.081 m η = 22.0	x: 0.081 m η = 18.8	**CUMPLE h = 23.1**
N415/N406	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 4.4	x: 0.081 m η = 5.1	x: 0.361 m η = 1.9	x: 0.081 m η = 6.0	x: 0.081 m η = 8.4	x: 0.361 m η = 2.0	x: 0.081 m η = 1.6	x: 0.081 m η = 6.8	x: 0.081 m η = 9.3	x: 0.081 m η = 0.5	x: 0.081 m η = 0.9	x: 0.081 m η = 23.0	x: 0.081 m η = 21.0	x: 0.081 m η = 17.9	**CUMPLE h = 23.0**
N406/N417	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.0	x: 0.081 m η = 4.6	η = 1.2	x: 0.081 m η = 4.6	x: 0.081 m η = 8.3	η = 2.0	x: 0.081 m η = 1.2	x: 0.081 m η = 5.1	x: 0.081 m η = 8.8	x: 0.081 m η = 0.3	x: 0.081 m η = 0.8	x: 0.081 m η = 19.1	x: 0.081 m η = 18.4	x: 0.081 m η = 16.3	**CUMPLE h = 19.1**
N417/N408	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.2	x: 0.081 m η = 3.7	x: 0.361 m η = 1.0	x: 0.081 m η = 3.2	x: 0.081 m η = 7.6	x: 0.361 m η = 2.0	x: 0.081 m η = 0.8	x: 0.081 m η = 3.6	x: 0.081 m η = 8.1	x: 0.081 m η = 0.1	x: 0.081 m η = 0.7	x: 0.081 m η = 15.3	x: 0.081 m η = 14.0	x: 0.081 m η = 12.7	**CUMPLE h = 15.3**
N408/N419	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 2.8	x: 0.081 m η = 4.3	x: 0.639 m η = 0.5	x: 0.081 m η = 1.7	x: 0.081 m η = 7.8	η = 2.0	x: 0.081 m η = 0.4	x: 0.081 m η = 1.8	x: 0.081 m η = 7.9	x: 0.081 m η < 0.1	x: 0.081 m η = 0.7	x: 0.081 m η = 11.4	x: 0.081 m η = 11.5	x: 0.081 m η = 11.7	**CUMPLE h = 11.7**
N419/N410	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.0	x: 0.081 m η = 3.6	η = 0.4	x: 0.64 m η = 1.6	x: 0.64 m η = 7.3	x: 0.081 m η = 2.0	x: 0.081 m η = 0.4	x: 0.64 m η = 1.7	x: 0.64 m η = 7.4	x: 0.64 m η < 0.1	x: 0.64 m η = 0.6	x: 0.64 m η = 10.4	x: 0.64 m η = 9.7	x: 0.64 m η = 10.1	**CUMPLE h = 10.4**
N410/N421	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.0	x: 0.081 m η = 4.5	x: 0.361 m η = 0.7	x: 0.64 m η = 2.9	x: 0.64 m η = 7.6	x: 0.361 m η = 2.0	x: 0.361 m η = 0.8	x: 0.64 m η = 3.2	x: 0.64 m η = 7.9	x: 0.64 m η = 0.1	x: 0.64 m η = 0.7	x: 0.64 m η = 14.1	x: 0.64 m η = 13.7	x: 0.64 m η = 12.8	**CUMPLE h = 14.1**
N421/N412	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.3	x: 0.081 m η = 3.9	η = 0.9	x: 0.64 m η = 4.4	x: 0.64 m η = 8.0	η = 1.9	x: 0.081 m η = 1.1	x: 0.64 m η = 4.8	x: 0.64 m η = 8.4	x: 0.64 m η = 0.2	x: 0.64 m η = 0.7	x: 0.64 m η = 17.9	x: 0.64 m η = 16.5	x: 0.64 m η = 14.7	**CUMPLE h = 17.9**
N412/N381	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.361 m η = 3.3	x: 0.361 m η = 4.8	η = 4.6	x: 0.081 m η = 4.5	x: 0.64 m η = 15.4	η = 2.4	x: 0.081 m η = 1.1	x: 0.081 m η = 6.5	x: 0.64 m η = 17.4	x: 0.081 m η = 0.4	x: 0.64 m η = 3.1	x: 0.64 m η = 30.4	x: 0.64 m η = 27.2	x: 0.64 m η = 24.2	**CUMPLE h = 30.4**
N381/N363	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.567 m η = 6.6	x: 0.072 m η = 8.0	η = 0.5	x: 0.072 m η = 2.6	x: 0.072 m η = 17.1	η = 4.8	x: 0.072 m η = 0.7	x: 0.072 m η = 2.8	x: 0.072 m η = 17.3	x: 0.072 m η = 0.1	x: 0.072 m η = 3.2	x: 0.072 m η = 29.5	x: 0.072 m η = 26.7	x: 0.072 m η = 28.2	**CUMPLE h = 29.5**
N363/N434	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.059 m η = 5.6	x: 0.059 m η = 6.2	x: 0.168 m η = 2.4	x: 0.278 m η = 16.3	x: 0.278 m η = 6.8	x: 0.059 m η = 3.6	x: 0.168 m η = 4.8	x: 0.278 m η = 17.3	x: 0.278 m η = 7.1	x: 0.278 m η = 3.2	x: 0.278 m η = 0.6	x: 0.278 m η = 26.7	x: 0.278 m η = 21.5	x: 0.278 m η = 20.8	**CUMPLE h = 26.7**
N415/N405	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.2 m η = 2.4	x: 0.2 m η = 2.3	x: 0.2 m η = 1.0	x: 0.045 m η = 1.9	x: 0.045 m η = 4.1	x: 0.2 m η = 2.0	x: 0.354 m η = 0.9	x: 0.045 m η = 1.9	x: 0.045 m η = 4.5	x: 0.045 m η < 0.1	x: 0.045 m η = 0.2	x: 0.045 m η = 9.1	x: 0.045 m η = 8.0	x: 0.045 m η = 7.5	**CUMPLE h = 9.1**
N416/N406	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.9	η = 1.8	η = 1.0	x: 0.355 m η = 2.8	x: 0.355 m η = 2.9	η = 1.4	x: 0.354 m η = 1.4	x: 0.355 m η = 2.8	x: 0.355 m η = 3.3	x: 0.355 m η = 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 8.7	x: 0.355 m η = 6.8	x: 0.355 m η = 6.1	**CUMPLE h = 8.7**
N417/N407	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.2 m η = 1.4	x: 0.2 m η = 1.2	x: 0.2 m η = 1.1	x: 0.045 m η = 2.8	x: 0.045 m η = 2.0	x: 0.2 m η = 0.9	x: 0.354 m η = 1.4	x: 0.045 m η = 2.8	x: 0.045 m η = 2.5	x: 0.045 m η = 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 6.8	x: 0.045 m η = 5.9	x: 0.045 m η = 4.5	**CUMPLE h = 6.8**
N418/N408	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.8	η = 0.6	η = 1.0	x: 0.355 m η = 2.7	x: 0.355 m η = 1.2	η = 0.6	x: 0.354 m η = 1.3	x: 0.355 m η = 2.8	x: 0.355 m η = 1.6	x: 0.355 m η = 0.1	x: 0.355 m η < 0.1	x: 0.355 m η = 5.7	x: 0.355 m η = 4.1	x: 0.355 m η = 3.7	**CUMPLE h = 5.7**
N419/N409	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.3	η < 0.1	η = 1.1	x: 0.045 m η = 2.8	x: 0.045 m η = 0.4	x: 0.2 m η = 0.2	x: 0.354 m η = 1.4	x: 0.045 m η = 2.8	x: 0.045 m η = 0.9	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 4.1	x: 0.045 m η < 0.1	x: 0.045 m η = 3.7	**CUMPLE h = 4.1**
N420/N410	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.7	η = 0.4	x: 0.2 m η = 1.0	x: 0.355 m η = 2.7	x: 0.355 m η = 0.5	η = 0.2	x: 0.354 m η = 1.3	x: 0.355 m η = 2.8	x: 0.355 m η = 0.9	x: 0.355 m η = 0.1	x: 0.354 m η < 0.1	x: 0.355 m η = 3.8	x: 0.355 m η = 3.5	x: 0.355 m η = 3.5	**CUMPLE h = 3.8**
N421/N411	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.2	η = 1.0	η = 1.1	x: 0.045 m η = 2.7	x: 0.045 m η = 1.6	η = 0.7	x: 0.354 m η = 1.3	x: 0.045 m η = 2.8	x: 0.045 m η = 2.0	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 6.5	x: 0.045 m η = 4.8	x: 0.045 m η = 4.1	**CUMPLE h = 6.5**
N422/N412	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 1.6	η = 1.5	η = 0.8	x: 0.355 m η = 3.4	x: 0.045 m η = 2.5	η = 1.2	x: 0.355 m η = 1.7	x: 0.355 m η = 3.5	x: 0.045 m η = 2.9	x: 0.355 m η = 0.2	x: 0.045 m η = 0.1	x: 0.045 m η = 5.7	x: 0.355 m η = 5.1	x: 0.045 m η = 4.8	**CUMPLE h = 5.7**
N366/N346	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.71 m η = 2.8	x: 0.07 m η = 0.9	x: 0.23 m η = 0.5	x: 0.711 m η = 2.3	x: 0.07 m η = 6.7	η = 1.4	x: 0.07 m η = 0.5	x: 0.711 m η = 2.4	x: 0.07 m η = 6.9	x: 0.711 m η = 0.1	x: 0.07 m η = 0.5	x: 0.07 m η = 11.7	x: 0.07 m η = 8.6	x: 0.07 m η = 10.6	**CUMPLE h = 11.7**
N366/N348	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.71 m η = 0.4	x: 0.07 m η = 1.9	η = 0.2	x: 0.07 m η = 0.9	x: 0.07 m η = 1.0	x: 0.71 m η = 0.2	x: 0.07 m η = 0.2	x: 0.07 m η = 1.0	x: 0.07 m η = 1.1	x: 0.07 m η < 0.1	x: 0.07 m η < 0.1	N.P.[4]	x: 0.07 m η = 2.9	x: 0.07 m η = 2.5	**CUMPLE h = 2.9**
N454/N425	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.34 m η = 3.2	x: 0.34 m η = 2.4	η = 1.7	x: 0.604 m η = 1.7	x: 0.604 m η = 4.7	η = 0.9	x: 0.603 m η = 0.5	x: 0.604 m η = 2.0	x: 0.604 m η = 5.4	x: 0.604 m η < 0.1	x: 0.604 m η = 0.3	x: 0.604 m η = 11.1	x: 0.076 m η = 7.0	x: 0.604 m η = 7.9	**CUMPLE h = 11.1**
N454/N427	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.603 m η = 1.9	x: 0.076 m η = 4.1	x: 0.603 m η = 1.1	x: 0.076 m η = 1.2	x: 0.076 m η = 4.6	x: 0.603 m η = 0.9	x: 0.603 m η = 0.3	x: 0.076 m η = 1.2	x: 0.076 m η = 5.1	x: 0.076 m η < 0.1	x: 0.076 m η = 0.3	x: 0.076 m η = 8.8	x: 0.076 m η = 9.9	x: 0.076 m η = 9.3	**CUMPLE h = 9.9**
N365/N345	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.567 m η = 7.0	x: 0.072 m η = 8.3	η = 0.5	x: 0.072 m η = 2.6	x: 0.072 m η = 16.6	η = 4.7	x: 0.072 m η = 0.7	x: 0.072 m η = 2.7	x: 0.072 m η = 16.7	x: 0.072 m η = 0.1	x: 0.072 m η = 3.0	x: 0.072 m η = 28.9	x: 0.072 m η = 26.2	x: 0.072 m η = 27.6	**CUMPLE h = 28.9**
N346/N423	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.457 m η = 4.6	x: 0.058 m η = 5.0	x: 0.258 m η = 2.0	x: 0.058 m η = 2.0	x: 0.058 m η = 6.5	x: 0.258 m η = 1.8	x: 0.058 m η = 0.6	x: 0.058 m η = 2.2	x: 0.058 m η = 7.3	x: 0.058 m η = 0.1	x: 0.058 m η = 0.6	x: 0.058 m η = 11.3	x: 0.058 m η = 10.3	x: 0.058 m η = 9.2	**CUMPLE h = 11.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N346/N424	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 0.6	x: 0.058 m η = 0.8	x: 0.354 m η = 1.8	x: 0.355 m η = 1.9	x: 0.058 m η = 14.2	x: 0.355 m η = 4.5	x: 0.058 m η = 0.8	x: 0.355 m η = 2.1	x: 0.058 m η = 15.0	x: 0.355 m η < 0.1	x: 0.058 m η = 2.4	x: 0.058 m η = 21.0	x: 0.058 m η = 15.3	x: 0.058 m η = 18.0	**CUMPLE h = 21.0**
N453/N425	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 0.7	x: 0.045 m η = 0.8	η = 0.7	x: 0.045 m η = 5.0	x: 0.355 m η = 10.9	x: 0.354 m η = 3.9	x: 0.045 m η = 2.3	x: 0.045 m η = 5.3	x: 0.355 m η = 10.9	x: 0.045 m η = 0.3	x: 0.355 m η = 1.3	x: 0.355 m η = 13.5	x: 0.355 m η = 15.6	x: 0.355 m η = 15.2	**CUMPLE h = 15.6**
N346/N425	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 2.6	x: 0.076 m η = 6.0	η = 1.7	x: 0.076 m η = 1.3	x: 0.076 m η = 13.9	η = 2.9	x: 0.603 m η = 0.3	x: 0.076 m η = 1.8	x: 0.076 m η = 14.4	x: 0.076 m η < 0.1	x: 0.076 m η = 2.1	x: 0.076 m η = 21.7	x: 0.076 m η = 20.0	x: 0.076 m η = 20.6	**CUMPLE h = 21.7**
N456/N427	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.9	x: 0.076 m η = 2.0	η = 0.9	x: 0.076 m η = 1.3	x: 0.076 m η = 2.8	η = 0.4	x: 0.603 m η = 0.3	x: 0.076 m η = 1.5	x: 0.076 m η = 3.0	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.6	x: 0.076 m η = 5.9	x: 0.076 m η = 5.4	**CUMPLE h = 6.6**
N456/N429	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 0.8	x: 0.076 m η = 1.9	η = 1.2	x: 0.076 m η = 1.3	x: 0.076 m η = 2.8	x: 0.34 m η = 0.5	x: 0.603 m η = 0.3	x: 0.076 m η = 1.6	x: 0.076 m η = 3.3	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.5	x: 0.076 m η = 5.5	x: 0.076 m η = 4.9	**CUMPLE h = 6.5**
N458/N429	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 2.6	η = 0.6	x: 0.076 m η = 1.3	x: 0.076 m η = 2.3	η = 0.3	x: 0.603 m η = 0.3	x: 0.076 m η = 1.5	x: 0.076 m η = 2.5	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.1	x: 0.076 m η = 6.3	x: 0.076 m η = 5.5	**CUMPLE h = 6.3**
N458/N431	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 0.7	x: 0.076 m η = 0.8	x: 0.076 m η = 1.1	x: 0.076 m η = 1.4	x: 0.076 m η = 1.8	x: 0.603 m η = 0.3	x: 0.603 m η = 0.4	x: 0.076 m η = 1.9	x: 0.076 m η = 2.2	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.8	x: 0.076 m η = 3.8	x: 0.076 m η = 3.5	**CUMPLE h = 5.8**
N460/N431	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 3.7	η = 0.4	x: 0.076 m η = 1.7	x: 0.076 m η = 1.6	η = 0.3	x: 0.603 m η = 0.5	x: 0.076 m η = 1.8	x: 0.076 m η = 1.7	x: 0.076 m η < 0.1	x: 0.076 m η < 0.1	N.P.(4)	x: 0.604 m η = 6.8	x: 0.604 m η = 6.2	**CUMPLE h = 6.8**
N460/N433	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.629 m η = 1.2	x: 0.079 m η = 0.6	x: 0.355 m η = 0.9	x: 0.63 m η = 2.0	x: 0.079 m η = 0.9	x: 0.079 m η = 0.2	x: 0.629 m η = 0.5	x: 0.63 m η = 2.2	x: 0.079 m η = 1.0	x: 0.63 m η = 0.1	x: 0.079 m η < 0.1	x: 0.63 m η = 4.8	x: 0.63 m η = 2.4	x: 0.63 m η = 3.7	**CUMPLE h = 4.8**
N451/N433	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.629 m η = 1.2	x: 0.079 m η = 0.6	x: 0.079 m η = 0.9	x: 0.63 m η = 2.0	x: 0.079 m η = 0.9	x: 0.079 m η = 0.2	x: 0.629 m η = 0.5	x: 0.63 m η = 2.2	x: 0.079 m η = 1.0	x: 0.63 m η = 0.1	x: 0.079 m η < 0.1	x: 0.63 m η = 4.7	x: 0.63 m η = 2.3	x: 0.63 m η = 3.7	**CUMPLE h = 4.7**
N451/N442	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 3.6	η = 0.4	x: 0.076 m η = 1.7	x: 0.076 m η = 1.6	η = 0.3	x: 0.603 m η = 0.5	x: 0.076 m η = 1.8	x: 0.076 m η = 1.6	x: 0.076 m η < 0.1	x: 0.076 m η < 0.1	N.P.(4)	x: 0.604 m η = 6.7	x: 0.604 m η = 6.2	**CUMPLE h = 6.7**
N449/N442	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 0.8	x: 0.076 m η = 0.8	x: 0.076 m η = 1.1	x: 0.076 m η = 1.5	x: 0.076 m η = 1.7	x: 0.603 m η = 0.3	x: 0.603 m η = 0.4	x: 0.076 m η = 1.9	x: 0.076 m η = 2.1	x: 0.076 m η < 0.1	x: 0.076 m η < 0.1	N.P.(4)	x: 0.076 m η = 3.7	x: 0.076 m η = 3.4	**CUMPLE h = 3.7**
N449/N440	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 2.6	η = 0.6	x: 0.076 m η = 1.3	x: 0.076 m η = 2.3	η = 0.2	x: 0.603 m η = 0.3	x: 0.076 m η = 1.5	x: 0.076 m η = 2.4	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.1	x: 0.076 m η = 6.2	x: 0.076 m η = 5.4	**CUMPLE h = 6.2**
N447/N440	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 0.7	x: 0.076 m η = 1.9	x: 0.076 m η = 1.2	x: 0.076 m η = 1.3	x: 0.076 m η = 2.7	x: 0.34 m η = 0.5	x: 0.603 m η = 0.3	x: 0.076 m η = 1.6	x: 0.076 m η = 3.2	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.4	x: 0.076 m η = 5.3	x: 0.076 m η = 4.8	**CUMPLE h = 6.4**
N447/N438	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 2.0	x: 0.076 m η = 2.0	η = 0.8	x: 0.076 m η = 1.2	x: 0.076 m η = 2.7	η = 0.3	x: 0.603 m η = 0.3	x: 0.076 m η = 1.4	x: 0.076 m η = 2.9	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.5	x: 0.076 m η = 5.8	x: 0.076 m η = 5.4	**CUMPLE h = 6.5**
N445/N438	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 1.8	x: 0.076 m η = 4.1	x: 0.603 m η = 1.1	x: 0.076 m η = 1.2	x: 0.076 m η = 4.5	x: 0.603 m η = 0.9	x: 0.603 m η = 0.3	x: 0.076 m η = 1.2	x: 0.076 m η = 5.0	x: 0.076 m η < 0.1	x: 0.076 m η = 0.3	x: 0.076 m η = 8.7	x: 0.076 m η = 9.7	x: 0.076 m η = 9.2	**CUMPLE h = 9.7**
N445/N436	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.34 m η = 3.4	x: 0.34 m η = 2.5	η = 1.0	x: 0.604 m η = 1.6	x: 0.076 m η = 3.2	x: 0.076 m η = 0.7	x: 0.603 m η = 0.4	x: 0.604 m η = 2.0	x: 0.076 m η = 3.6	x: 0.604 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 9.5	x: 0.076 m η = 6.8	x: 0.076 m η = 7.5	**CUMPLE h = 9.5**
N362/N436	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.603 m η = 2.9	x: 0.076 m η = 5.8	η = 1.6	x: 0.076 m η = 1.1	x: 0.076 m η = 13.0	η = 2.4	x: 0.603 m η = 0.2	x: 0.076 m η = 1.8	x: 0.076 m η = 13.7	x: 0.076 m η < 0.1	x: 0.076 m η = 1.9	x: 0.076 m η = 21.9	x: 0.076 m η = 20.1	x: 0.076 m η = 20.8	**CUMPLE h = 21.9**
N362/N434	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.457 m η = 4.8	x: 0.058 m η = 5.2	x: 0.258 m η = 2.0	x: 0.058 m η = 1.9	x: 0.058 m η = 6.6	x: 0.457 m η = 1.7	x: 0.058 m η = 0.5	x: 0.058 m η = 2.2	x: 0.058 m η = 7.5	x: 0.058 m η < 0.1	x: 0.058 m η = 0.6	x: 0.058 m η = 11.5	x: 0.058 m η = 10.4	x: 0.458 m η = 9.4	**CUMPLE h = 11.5**
N368/N348	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 2.1	x: 0.07 m η = 0.6	x: 0.391 m η = 0.4	x: 0.07 m η = 1.1	x: 0.711 m η = 0.5	x: 0.71 m η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.2	x: 0.711 m η = 0.5	x: 0.07 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.711 m η = 1.3	x: 0.07 m η = 3.3	**CUMPLE h = 3.3**
N368/N350	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 0.5	x: 0.07 m η = 1.5	x: 0.23 m η = 0.2	x: 0.07 m η = 0.9	x: 0.711 m η = 0.9	x: 0.07 m η = 0.1	x: 0.07 m η = 0.2	x: 0.07 m η = 1.0	x: 0.711 m η = 1.0	x: 0.07 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.6	x: 0.07 m η = 2.4	**CUMPLE h = 2.6**
N370/N350	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 1.8	x: 0.07 m η = 0.8	x: 0.551 m η = 0.4	x: 0.07 m η = 1.0	x: 0.07 m η = 0.7	x: 0.551 m η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.2	x: 0.07 m η = 0.8	x: 0.07 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 1.7	x: 0.07 m η = 2.9	**CUMPLE h = 2.9**
N370/N352	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 0.9	x: 0.07 m η = 1.3	x: 0.23 m η = 0.3	x: 0.711 m η = 1.1	x: 0.07 m η = 0.4	x: 0.391 m η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.2	x: 0.07 m η = 0.4	x: 0.71 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.0	x: 0.07 m η = 1.9	**CUMPLE h = 2.0**
N372/N352	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 1.5	x: 0.07 m η = 0.9	η = 0.3	x: 0.711 m η = 1.1	x: 0.07 m η = 0.4	η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.2	x: 0.07 m η = 0.5	x: 0.71 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 1.7	x: 0.711 m η = 2.7	**CUMPLE h = 2.7**
N372/N354	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 1.2	x: 0.07 m η = 1.1	η = 0.3	x: 0.711 m η = 1.2	x: 0.07 m η = 0.3	η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.3	x: 0.711 m η = 0.4	x: 0.71 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.711 m η = 1.8	x: 0.711 m η = 2.2	**CUMPLE h = 2.2**
N374/N354	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 1.2	x: 0.07 m η = 1.1	η = 0.3	x: 0.711 m η = 1.2	x: 0.711 m η = 0.4	x: 0.391 m η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.3	x: 0.711 m η = 0.6	x: 0.71 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.711 m η = 1.9	x: 0.711 m η = 2.5	**CUMPLE h = 2.5**
N374/N356	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 1.6	x: 0.07 m η = 1.0	η = 0.4	x: 0.711 m η = 1.2	x: 0.07 m η = 0.4	η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.3	x: 0.07 m η = 0.5	x: 0.71 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 1.7	x: 0.711 m η = 2.7	**CUMPLE h = 2.7**
N376/N356	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 0.8	x: 0.07 m η = 1.2	x: 0.07 m η = 0.3	x: 0.711 m η = 1.1	x: 0.711 m η = 0.5	η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.2	x: 0.711 m η = 0.6	x: 0.71 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.1	x: 0.07 m η = 2.0	**CUMPLE h = 2.1**
N376/N358	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 1.9	x: 0.07 m η = 0.9	η = 0.3	x: 0.07 m η = 1.0	x: 0.07 m η = 0.4	η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.2	x: 0.07 m η = 0.5	x: 0.07 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 1.5	x: 0.07 m η = 3.0	**CUMPLE h = 3.0**
N378/N358	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 0.5	x: 0.07 m η = 1.4	x: 0.23 m η = 0.2	x: 0.07 m η = 1.0	x: 0.711 m η = 0.6	x: 0.551 m η = 0.1	x: 0.07 m η = 0.2	x: 0.07 m η = 1.1	x: 0.711 m η = 0.7	x: 0.07 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.7	x: 0.07 m η = 2.6	**CUMPLE h = 2.7**
N378/N360	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.708 m η = 2.1	x: 0.07 m η = 0.6	x: 0.389 m η = 0.4	x: 0.07 m η = 1.2	x: 0.709 m η = 0.6	x: 0.549 m η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.3	x: 0.709 m η = 0.8	x: 0.07 m η < 0.1	x: 0.708 m η < 0.1	N.P.(4)	x: 0.07 m η = 1.7	x: 0.07 m η = 3.5	**CUMPLE h = 3.5**
N380/N360	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 0.3	x: 0.07 m η = 1.8	η = 0.2	x: 0.07 m η = 0.9	x: 0.07 m η = 1.1	x: 0.71 m η = 0.2	x: 0.07 m η = 0.2	x: 0.07 m η = 1.0	x: 0.07 m η = 1.2	x: 0.07 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.9	x: 0.07 m η = 2.5	**CUMPLE h = 2.9**
N380/N362	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.71 m η = 2.8	x: 0.07 m η = 0.9	x: 0.23 m η = 0.5	x: 0.07 m η = 2.3	x: 0.07 m η = 7.0	η = 1.5	x: 0.07 m η = 0.5	x: 0.07 m η = 2.4	x: 0.07 m η = 7.2	x: 0.07 m η = 0.1	x: 0.07 m η = 0.5	x: 0.07 m η = 12.2	x: 0.07 m η = 9.0	x: 0.07 m η = 11.0	**CUMPLE h = 12.2**
N366/N347	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.5	x: 0.048 m η = 0.9	x: 0.048 m η = 1.4	x: 0.455 m η = 5.5	x: 0.048 m η = 2.6	x: 0.048 m η = 0.9	x: 0.048 m η = 1.9	x: 0.455 m η = 6.1	x: 0.048 m η = 2.7	x: 0.455 m η = 0.4	x: 0.048 m η = 0.1	x: 0.455 m η = 10.6	x: 0.455 m η = 8.7	x: 0.455 m η = 7.4	**CUMPLE h = 10.6**
N367/N348	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.3	η = 0.1	x: 0.452 m η = 0.4	x: 0.452 m η = 1.0	x: 0.249 m η = 0.4	η = 0.2	x: 0.452 m η = 0.4	x: 0.452 m η = 1.1	x: 0.451 m η < 0.1	x: 0.452 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.7	x: 0.452 m η = 1.6	**CUMPLE h = 1.7**
N368/N349	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 0.5	η = 0.1	x: 0.048 m η = 0.8	x: 0.455 m η = 1.0	x: 0.454 m η = 0.4	η = 0.3	x: 0.048 m η = 0.9	x: 0.455 m η = 1.0	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 2.2	x: 0.048 m η = 1.9	**CUMPLE h = 2.2**
N369/N350	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.3	η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 1.0	x: 0.045 m η = 0.4	x: 0.045 m η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 1.0	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 1.3	x: 0.045 m η = 1.4	**CUMPLE h = 1.4**
N370/N351	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 0.5	η = 0.1	x: 0.048 m η = 0.3	x: 0.455 m η = 0.8	x: 0.454 m η = 0.3	η = 0.1	x: 0.048 m η = 0.3	x: 0.455 m η = 0.9	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.3	x: 0.455 m η = 1.3	**CUMPLE h = 1.3**
N371/N352	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.4	η = 0.1	x: 0.452 m η = 0.6	x: 0.045 m η = 0.8	x: 0.045 m η = 0.3	η = 0.2	x: 0.452 m η = 0.6	x: 0.045 m η = 0.8	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.3	x: 0.045 m η = 1.2	**CUMPLE h = 1.3**
N372/N353	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 0.5	η = 0.1	x: 0.048 m η = 0.6	x: 0.455 m η = 0.7	x: 0.454 m η = 0.2	η = 0.2	x: 0.048 m η = 0.6	x: 0.455 m η = 0.7	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.4	x: 0.048 m η = 1.3	**CUMPLE h = 1.4**
N373/N354	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.4	η = 0.1	x: 0.452 m η = 0.4	x: 0.045 m η = 0.7	x: 0.045 m η = 0.3	η = 0.1	x: 0.452 m η = 0.4	x: 0.045 m η = 0.7	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.0	x: 0.045 m η = 1.0	**CUMPLE h = 1.0**
N374/N355	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.6	η = 0.1	x: 0.048 m η = 1.2	x: 0.455 m η = 0.7	x: 0.454 m η = 0.2	η = 0.4	x: 0.048 m η = 1.2	x: 0.455 m η = 0.7	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.9	x: 0.048 m η = 2.0	**CUMPLE h = 2.0**
N375/N356	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.4	η = 0.1	x: 0.452 m η = 0.4	x: 0.045 m η = 0.8	x: 0.045 m η = 0.3	η = 0.1	x: 0.452 m η = 0.4	x: 0.045 m η = 0.9	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 1.1	x: 0.045 m η = 1.2	**CUMPLE h = 1.2**
N376/N357	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 0.5	η = 0.1	x: 0.048 m η = 0.6	x: 0.455 m η = 0.8	x: 0.454 m η = 0.3	η = 0.2	x: 0.048 m η = 0.6	x: 0.455 m η = 0.9	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.7	x: 0.048 m η = 1.5	**CUMPLE h = 1.7**
N377/N358	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.4	η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 1.0	x: 0.045 m η = 0.4	x: 0.451 m η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 1.0	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 1.4	x: 0.045 m η = 1.5	**CUMPLE h = 1.5**
N378/N359	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.2	x: 0.048 m η = 0.5	η = 0.1	x: 0.048 m η = 0.6	x: 0.455 m η = 1.0	x: 0.454 m η = 0.4	x: 0.454 m η = 0.2	x: 0.048 m η = 0.6	x: 0.455 m η = 1.0	x: 0.048 m η < 0.1	x: 0.455 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.9	x: 0.048 m η = 1.7	**CUMPLE h = 1.9**
N379/N360	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.4	η = 0.1	x: 0.452 m η = 0.5	x: 0.452 m η = 1.0	x: 0.249 m η = 0.4	η = 0.2	x: 0.452 m η = 0.5	x: 0.452 m η = 1.1	x: 0.451 m η < 0.1	x: 0.452 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.9	x: 0.452 m η = 1.7	**CUMPLE h = 1.9**
N380/N361	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.454 m η = 0.5	x: 0.048 m η = 0.9	x: 0.048 m η = 1.4	x: 0.455 m η = 5.9	x: 0.048 m η = 2.5	η = 0.9	x: 0.048 m η = 2.1	x: 0.455 m η = 6.5	x: 0.455 m η = 2.8	x: 0.455 m η = 0.5	x: 0.455 m η = 0.1	x: 0.455 m η = 11.5	x: 0.455 m η = 9.3	x: 0.455 m η = 7.9	**CUMPLE h = 11.5**
N454/N426	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.1	x: 0.2 m η = 0.7	x: 0.045 m η = 2.8	x: 0.355 m η = 1.4	x: 0.045 m η = 0.5	x: 0.045 m η = 1.4	x: 0.045 m η = 3.0	x: 0.355 m η = 1.7	x: 0.045 m η = 0.1	x: 0.355 m η < 0.1	x: 0.045 m η = 5.4	x: 0.355 m η = 1.7	x: 0.045 m η = 3.9	**CUMPLE h = 5.4**
N455/N427	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.1	η = 1.1	x: 0.355 m η = 1.4	x: 0.355 m η = 2.2	x: 0.2 m η = 0.8	x: 0.045 m η = 0.7	x: 0.355 m η = 1.8	x: 0.355 m η = 2.3	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 4.8	x: 0.355 m η = 3.0	x: 0.355 m η = 3.5	**CUMPLE h = 4.8**
N456/N428	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.1	η = 0.6	x: 0.045 m η = 1.6	x: 0.355 m η = 0.9	x: 0.2 m η = 0.4	x: 0.045 m η = 0.7	x: 0.045 m η = 1.8	x: 0.355 m η = 1.1	x: 0.045 m η < 0.1	x: 0.355 m η < 0.1	N.P.(4)	x: 0.045 m η = 2.7	x: 0.045 m η = 2.1	**CUMPLE h = 2.7**
N457/N429	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.1	η = 0.9	x: 0.355 m η = 0.7	x: 0.355 m η = 2.2	η = 0.7	x: 0.045 m η = 0.3	x: 0.355 m η = 1.1	x: 0.355 m η = 2.2	x: 0.354 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 3.3	x: 0.355 m η = 2.2	x: 0.355 m η = 3.0	**CUMPLE h = 3.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N458/N430	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.3	x: 0.2 m η = 0.6	x: 0.045 m η = 1.1	x: 0.355 m η = 0.7	η = 0.3	x: 0.354 m η = 0.5	x: 0.045 m η = 1.4	x: 0.355 m η = 0.9	x: 0.045 m η < 0.1	x: 0.354 m η < 0.1	N.P.(4)	x: 0.045 m η = 2.1	x: 0.355 m η = 2.0	**CUMPLE h = 2.1**
N459/N431	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.6	x: 0.045 m η = 0.3	η = 0.6	x: 0.355 m η = 1.1	x: 0.355 m η = 2.3	η = 0.8	x: 0.354 m η = 0.5	x: 0.355 m η = 1.4	x: 0.355 m η = 2.3	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 4.1	x: 0.355 m η = 2.3	x: 0.355 m η = 3.3	**CUMPLE h = 4.1**
N460/N432	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.2	x: 0.045 m η = 0.4	x: 0.045 m η = 2.5	x: 0.355 m η = 0.6	x: 0.045 m η = 0.2	x: 0.354 m η = 1.1	x: 0.045 m η = 2.7	x: 0.355 m η = 0.5	x: 0.045 m η = 0.1	x: 0.354 m η < 0.1	x: 0.045 m η = 4.0	x: 0.045 m η = 1.8	x: 0.045 m η = 3.5	**CUMPLE h = 4.0**
N452/N433	w / t ≤(w / t)máx. Cumple	x: 0.355 m η = 0.9	x: 0.046 m η = 1.6	η = 0.2	x: 0.356 m η = 3.0	x: 0.046 m η = 0.6	x: 0.046 m η = 0.3	η = 1.3	x: 0.356 m η = 3.0	x: 0.046 m η = 0.6	x: 0.356 m η = 0.1	x: 0.046 m η < 0.1	x: 0.356 m η = 4.5	x: 0.046 m η = 3.6	x: 0.356 m η = 4.5	**CUMPLE h = 4.5**
N451/N443	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.2	η = 0.4	x: 0.045 m η = 2.5	x: 0.355 m η = 0.6	x: 0.045 m η = 0.1	x: 0.354 m η = 1.1	x: 0.045 m η = 2.6	x: 0.355 m η = 0.6	x: 0.045 m η = 0.1	x: 0.354 m η < 0.1	x: 0.045 m η = 3.9	x: 0.045 m η = 1.8	x: 0.045 m η = 3.4	**CUMPLE h = 3.9**
N450/N442	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.6	x: 0.045 m η = 0.4	η = 0.6	x: 0.355 m η = 1.1	x: 0.355 m η = 2.3	η = 0.8	x: 0.354 m η = 0.5	x: 0.355 m η = 1.4	x: 0.355 m η = 2.4	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 4.1	x: 0.355 m η = 2.4	x: 0.355 m η = 3.3	**CUMPLE h = 4.1**
N449/N441	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.3	x: 0.2 m η = 0.5	x: 0.045 m η = 1.1	x: 0.355 m η = 0.7	η = 0.3	x: 0.354 m η = 0.5	x: 0.045 m η = 1.4	x: 0.355 m η = 0.9	x: 0.045 m η < 0.1	x: 0.354 m η < 0.1	N.P.(4)	x: 0.045 m η = 2.1	x: 0.355 m η = 2.0	**CUMPLE h = 2.1**
N448/N440	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.1	η = 0.9	x: 0.355 m η = 0.7	x: 0.355 m η = 2.2	η = 0.7	x: 0.045 m η = 0.3	x: 0.355 m η = 1.1	x: 0.355 m η = 2.2	x: 0.354 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 3.4	x: 0.355 m η = 2.2	x: 0.355 m η = 3.4	**CUMPLE h = 3.4**
N447/N439	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.3	x: 0.2 m η = 0.2	η = 0.6	x: 0.045 m η = 1.6	x: 0.355 m η = 0.9	x: 0.2 m η = 0.4	x: 0.045 m η = 0.7	x: 0.045 m η = 1.8	x: 0.355 m η = 1.1	x: 0.045 m η < 0.1	x: 0.355 m η < 0.1	N.P.(4)	x: 0.045 m η = 2.7	x: 0.045 m η = 2.2	**CUMPLE h = 2.7**
N445/N437	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.1	η = 0.6	x: 0.045 m η = 2.9	x: 0.355 m η = 1.2	x: 0.2 m η = 0.6	x: 0.045 m η = 1.4	x: 0.045 m η = 3.0	x: 0.355 m η = 1.4	x: 0.045 m η = 0.1	x: 0.355 m η < 0.1	x: 0.045 m η = 5.4	x: 0.045 m η = 1.6	x: 0.045 m η = 3.9	**CUMPLE h = 5.4**
N444/N436	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.6	x: 0.045 m η = 0.5	η = 1.0	x: 0.045 m η = 5.0	x: 0.045 m η = 6.1	x: 0.354 m η = 2.6	x: 0.045 m η = 2.3	x: 0.045 m η = 5.3	x: 0.045 m η = 6.5	x: 0.045 m η = 0.3	x: 0.045 m η = 0.5	x: 0.045 m η = 12.5	x: 0.045 m η = 11.7	x: 0.045 m η = 9.7	**CUMPLE h = 12.5**
N362/N435	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.058 m η = 0.7	x: 0.354 m η = 1.8	x: 0.355 m η = 2.1	x: 0.058 m η = 14.4	x: 0.355 m η = 4.5	x: 0.058 m η = 0.9	x: 0.355 m η = 2.2	x: 0.058 m η = 15.2	x: 0.355 m η = 0.1	x: 0.058 m η = 2.5	x: 0.058 m η = 21.2	x: 0.058 m η = 15.2	x: 0.058 m η = 18.2	**CUMPLE h = 21.2**
N499/N500	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 32.8	x: 0 m η = 40.0	x: 0.533 m η = 1.2	x: 0 m η = 27.5	x: 0 m η = 12.2	x: 0.533 m η = 3.3	x: 0.533 m η = 6.1	x: 0 m η = 27.6	x: 0 m η = 12.3	x: 0 m η = 8.0	x: 0 m η = 1.6	x: 0 m η = 70.4	x: 0 m η = 72.5	x: 0 m η = 74.4	**CUMPLE h = 74.4**
N500/N501	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 23.1	x: 0.315 m η = 28.6	η = 1.7	x: 0.066 m η = 18.8	x: 0.563 m η = 6.6	η = 2.2	η = 6.1	x: 0.066 m η = 19.5	x: 0.563 m η = 7.3	x: 0.066 m η = 4.2	x: 0.563 m η = 0.6	x: 0.066 m η = 53.3	x: 0.066 m η = 53.7	x: 0.066 m η = 52.5	**CUMPLE h = 53.7**
N501/N502	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 18.7	x: 0.037 m η = 23.6	η = 1.3	x: 0.037 m η = 15.6	x: 0.037 m η = 6.7	x: 0.533 m η = 2.5	x: 0.533 m η = 4.5	x: 0.037 m η = 16.2	x: 0.037 m η = 7.3	x: 0.037 m η = 2.8	x: 0.037 m η = 0.6	x: 0.037 m η = 46.2	x: 0.037 m η = 47.1	x: 0.037 m η = 44.6	**CUMPLE h = 47.1**
N502/N503	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 14.2	x: 0.066 m η = 17.8	x: 0.562 m η = 1.1	x: 0.066 m η = 16.2	x: 0.066 m η = 5.8	η = 2.1	η = 5.8	x: 0.066 m η = 16.5	x: 0.066 m η = 6.1	x: 0.066 m η = 3.1	x: 0.066 m η = 0.4	x: 0.066 m η = 41.4	x: 0.066 m η = 40.6	x: 0.066 m η = 39.3	**CUMPLE h = 41.4**
N503/N504	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 9.9	x: 0.286 m η = 13.0	η = 0.8	x: 0.037 m η = 14.9	x: 0.037 m η = 4.2	x: 0.286 m η = 1.5	x: 0.533 m η = 4.8	x: 0.037 m η = 15.2	x: 0.037 m η = 4.5	x: 0.037 m η = 2.6	x: 0.037 m η = 0.2	x: 0.037 m η = 32.9	x: 0.037 m η = 32.4	x: 0.037 m η = 32.1	**CUMPLE h = 32.9**
N504/N505	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 5.2	x: 0.315 m η = 7.1	η = 0.9	x: 0.563 m η = 13.9	x: 0.066 m η = 2.9	x: 0.562 m η = 0.9	x: 0.315 m η = 5.3	x: 0.563 m η = 14.0	x: 0.066 m η = 2.9	x: 0.563 m η = 2.2	x: 0.066 m η = 0.1	x: 0.066 m η = 24.5	x: 0.066 m η = 23.3	x: 0.563 m η = 24.6	**CUMPLE h = 24.6**
N505/N506	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 1.0	x: 0.037 m η = 2.3	η = 0.8	x: 0.037 m η = 14.1	x: 0.534 m η = 2.1	x: 0.037 m η = 0.7	x: 0.533 m η = 5.2	x: 0.037 m η = 14.2	x: 0.534 m η = 2.2	x: 0.037 m η = 2.3	x: 0.534 m η = 0.1	x: 0.037 m η = 19.2	x: 0.037 m η = 17.8	x: 0.037 m η = 20.0	**CUMPLE h = 20.0**
N506/N507	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 4.4	x: 0.562 m η = 5.1	η = 0.7	x: 0.563 m η = 13.8	x: 0.563 m η = 1.5	x: 0.315 m η = 0.5	x: 0.066 m η = 4.6	x: 0.563 m η = 14.0	x: 0.563 m η = 1.7	x: 0.563 m η = 2.2	x: 0.563 m η < 0.1	x: 0.563 m η = 22.4	x: 0.563 m η = 19.5	x: 0.563 m η = 20.9	**CUMPLE h = 22.4**
N507/N508	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 7.5	x: 0.037 m η = 8.5	η = 0.9	x: 0.534 m η = 17.8	x: 0.534 m η = 3.2	η = 1.1	η = 5.9	x: 0.534 m η = 18.0	x: 0.534 m η = 3.4	x: 0.534 m η = 3.6	x: 0.534 m η = 0.1	x: 0.534 m η = 32.8	x: 0.534 m η = 29.5	x: 0.534 m η = 30.6	**CUMPLE h = 32.8**
N508/N480	w / t ≤(w / t)máx. Cumple	x: 0.554 m η = 11.9	x: 0.554 m η = 12.4	x: 0.066 m η = 1.5	x: 0.555 m η = 15.8	x: 0.066 m η = 3.5	x: 0.554 m η = 1.1	x: 0.066 m η = 3.1	x: 0.555 m η = 16.5	x: 0.066 m η = 4.1	x: 0.555 m η = 2.8	x: 0.066 m η = 0.2	x: 0.555 m η = 36.1	x: 0.555 m η = 31.9	x: 0.555 m η = 32.2	**CUMPLE h = 36.1**
N480/N461	w / t ≤(w / t)máx. Cumple	x: 0.441 m η = 8.7	x: 0.045 m η = 9.1	x: 0.244 m η = 2.0	x: 0.045 m η = 48.1	x: 0.045 m η = 4.5	x: 0.441 m η = 1.5	x: 0.244 m η = 21.1	x: 0.045 m η = 49.0	x: 0.045 m η = 4.5	x: 0.045 m η = 28.4	x: 0.045 m η = 0.2	x: 0.045 m η = 69.3	x: 0.045 m η = 56.0	x: 0.045 m η = 65.6	**CUMPLE h = 69.3**
N509/N510	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 30.0	x: 0 m η = 34.6	η = 1.2	x: 0 m η = 27.4	x: 0 m η = 11.5	x: 0.562 m η = 2.9	η = 6.3	x: 0 m η = 27.6	x: 0 m η = 11.6	x: 0 m η = 8.0	x: 0 m η = 1.4	x: 0 m η = 64.9	x: 0 m η = 64.1	x: 0 m η = 68.8	**CUMPLE h = 68.8**
N510/N511	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 24.0	x: 0.037 m η = 27.9	η = 1.5	x: 0.037 m η = 17.4	x: 0.534 m η = 7.5	η = 2.7	η = 4.7	x: 0.037 m η = 18.0	x: 0.534 m η = 8.2	x: 0.037 m η = 3.5	x: 0.534 m η = 0.7	x: 0.037 m η = 54.2	x: 0.037 m η = 53.3	x: 0.037 m η = 51.0	**CUMPLE h = 54.2**
N511/N512	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 18.6	x: 0.066 m η = 22.7	η = 1.3	x: 0.066 m η = 17.9	x: 0.066 m η = 7.2	η = 2.7	η = 6.1	x: 0.066 m η = 18.5	x: 0.066 m η = 7.8	x: 0.066 m η = 3.8	x: 0.066 m η = 0.7	x: 0.066 m η = 50.0	x: 0.066 m η = 49.2	x: 0.066 m η = 46.8	**CUMPLE h = 50.0**
N512/N513	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 14.7	x: 0.037 m η = 18.3	η = 1.1	x: 0.037 m η = 16.6	x: 0.037 m η = 5.4	η = 2.0	η = 5.2	x: 0.037 m η = 16.9	x: 0.037 m η = 5.7	x: 0.037 m η = 3.1	x: 0.037 m η = 0.4	x: 0.037 m η = 41.8	x: 0.037 m η = 41.1	x: 0.037 m η = 40.1	**CUMPLE h = 41.8**
N513/N514	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 9.3	x: 0.066 m η = 13.0	η = 0.8	x: 0.066 m η = 15.1	x: 0.066 m η = 4.5	x: 0.315 m η = 1.6	η = 5.6	x: 0.066 m η = 15.4	x: 0.066 m η = 4.8	x: 0.066 m η = 2.7	x: 0.066 m η = 0.3	x: 0.066 m η = 33.4	x: 0.066 m η = 33.3	x: 0.066 m η = 32.6	**CUMPLE h = 33.4**
N514/N515	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 4.9	x: 0.037 m η = 8.2	η = 0.9	x: 0.037 m η = 15.3	x: 0.037 m η = 2.5	x: 0.533 m η = 0.8	x: 0.533 m η = 5.3	x: 0.037 m η = 15.3	x: 0.037 m η = 2.5	x: 0.037 m η = 2.6	x: 0.037 m η = 0.1	x: 0.037 m η = 26.0	x: 0.037 m η = 26.0	x: 0.037 m η = 27.5	**CUMPLE h = 27.5**
N515/N516	w / t ≤(w / t)máx. Cumple	x: 0.067 m η = 2.1	x: 0.067 m η = 5.8	η = 0.8	x: 0.563 m η = 15.0	x: 0.563 m η = 2.0	x: 0.067 m η = 0.6	x: 0.315 m η = 5.4	x: 0.563 m η = 15.1	x: 0.563 m η = 2.1	x: 0.563 m η = 2.6	x: 0.563 m η < 0.1	x: 0.563 m η = 19.6	x: 0.563 m η = 20.4	x: 0.563 m η = 22.6	**CUMPLE h = 22.6**
N516/N517	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 2.7	x: 0.037 m η = 6.3	η = 0.6	x: 0.534 m η = 14.0	x: 0.534 m η = 1.8	x: 0.286 m η = 0.6	x: 0.533 m η = 5.4	x: 0.534 m η = 14.3	x: 0.534 m η = 2.0	x: 0.534 m η = 2.3	x: 0.534 m η < 0.1	x: 0.534 m η = 21.7	x: 0.534 m η = 21.4	x: 0.534 m η = 22.8	**CUMPLE h = 22.8**
N517/N518	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 7.1	x: 0.066 m η = 11.7	η = 0.8	x: 0.563 m η = 17.5	x: 0.563 m η = 2.6	x: 0.562 m η = 0.9	x: 0.562 m η = 5.3	x: 0.563 m η = 17.5	x: 0.563 m η = 2.9	x: 0.563 m η = 3.4	x: 0.563 m η = 0.1	x: 0.563 m η = 30.1	x: 0.563 m η = 30.6	x: 0.563 m η = 32.5	**CUMPLE h = 32.5**
N518/N481	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 9.8	x: 0.037 m η = 14.6	η = 1.6	x: 0.534 m η = 20.5	x: 0.534 m η = 5.3	η = 1.2	x: 0.286 m η = 4.8	x: 0.534 m η = 21.2	x: 0.534 m η = 5.3	x: 0.534 m η = 4.7	x: 0.534 m η = 0.3	x: 0.534 m η = 38.9	x: 0.534 m η = 37.4	x: 0.534 m η = 39.5	**CUMPLE h = 39.5**
N481/N462	w / t ≤(w / t)máx. Cumple	x: 0.445 m η = 4.5	x: 0.066 m η = 9.1	x: 0.256 m η = 2.3	x: 0.066 m η = 43.2	x: 0.066 m η = 4.2	η = 1.7	x: 0.256 m η = 21.4	x: 0.066 m η = 44.2	x: 0.446 m η = 4.5	x: 0.066 m η = 24.0	x: 0.446 m η = 0.2	x: 0.066 m η = 59.4	x: 0.066 m η = 50.3	x: 0.066 m η = 58.0	**CUMPLE h = 59.4**
N519/N520	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 33.0	x: 0 m η = 40.2	x: 0.533 m η = 1.1	x: 0 m η = 27.8	x: 0 m η = 12.0	x: 0.533 m η = 3.2	x: 0.533 m η = 6.2	x: 0 m η = 27.9	x: 0 m η = 12.0	x: 0 m η = 8.1	x: 0 m η = 1.5	x: 0 m η = 70.9	x: 0 m η = 72.9	x: 0 m η = 75.0	**CUMPLE h = 75.0**
N520/N521	w / t ≤(w / t)máx. Cumple	x: 0.315 m η = 23.3	x: 0.315 m η = 28.7	η = 1.7	x: 0.066 m η = 18.8	x: 0.563 m η = 6.6	η = 2.2	η = 6.1	x: 0.066 m η = 19.6	x: 0.563 m η = 7.4	x: 0.066 m η = 4.2	x: 0.563 m η = 0.6	x: 0.066 m η = 53.6	x: 0.066 m η = 53.9	x: 0.066 m η = 52.7	**CUMPLE h = 53.9**
N521/N522	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 18.8	x: 0.037 m η = 23.7	η = 1.3	x: 0.037 m η = 15.6	x: 0.037 m η = 6.7	x: 0.533 m η = 2.5	x: 0.533 m η = 4.5	x: 0.037 m η = 16.2	x: 0.037 m η = 7.3	x: 0.037 m η = 2.8	x: 0.037 m η = 0.6	x: 0.037 m η = 46.4	x: 0.037 m η = 47.2	x: 0.037 m η = 44.7	**CUMPLE h = 47.2**
N522/N523	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 14.4	x: 0.066 m η = 18.0	x: 0.562 m η = 1.1	x: 0.066 m η = 16.3	x: 0.066 m η = 5.9	η = 2.1	η = 5.8	x: 0.066 m η = 16.5	x: 0.066 m η = 6.2	x: 0.066 m η = 3.1	x: 0.066 m η = 0.4	x: 0.066 m η = 41.9	x: 0.066 m η = 41.0	x: 0.066 m η = 39.7	**CUMPLE h = 41.9**
N523/N524	w / t ≤(w / t)máx. Cumple	x: 0.286 m η = 10.1	x: 0.286 m η = 13.3	η = 0.8	x: 0.037 m η = 15.1	x: 0.037 m η = 4.2	x: 0.286 m η = 1.5	x: 0.533 m η = 4.9	x: 0.037 m η = 15.4	x: 0.037 m η = 4.6	x: 0.037 m η = 2.6	x: 0.037 m η = 0.2	x: 0.037 m η = 33.5	x: 0.037 m η = 32.9	x: 0.037 m η = 32.5	**CUMPLE h = 33.5**
N524/N525	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 5.4	x: 0.066 m η = 7.3	η = 0.9	x: 0.563 m η = 14.0	x: 0.066 m η = 3.0	x: 0.562 m η = 1.0	x: 0.315 m η = 5.3	x: 0.563 m η = 14.1	x: 0.066 m η = 3.0	x: 0.563 m η = 2.3	x: 0.066 m η = 0.1	x: 0.066 m η = 25.1	x: 0.066 m η = 23.8	x: 0.563 m η = 25.0	**CUMPLE h = 25.1**
N525/N526	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 1.2	x: 0.037 m η = 2.6	η = 0.8	x: 0.037 m η = 14.3	x: 0.534 m η = 2.1	x: 0.037 m η = 0.7	x: 0.533 m η = 5.2	x: 0.037 m η = 14.4	x: 0.534 m η = 2.1	x: 0.037 m η = 2.3	x: 0.534 m η = 0.1	x: 0.037 m η = 19.7	x: 0.037 m η = 18.3	x: 0.037 m η = 20.5	**CUMPLE h = 20.5**
N526/N527	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 4.3	x: 0.066 m η = 5.1	η = 0.6	x: 0.563 m η = 14.4	x: 0.563 m η = 1.5	x: 0.315 m η = 0.4	x: 0.066 m η = 4.9	x: 0.563 m η = 14.6	x: 0.563 m η = 1.6	x: 0.563 m η = 2.4	x: 0.563 m η < 0.1	x: 0.563 m η = 22.8	x: 0.563 m η = 19.8	x: 0.563 m η = 21.5	**CUMPLE h = 22.8**
N527/N528	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 7.4	x: 0.037 m η = 8.4	η = 0.9	x: 0.534 m η = 18.4	x: 0.534 m η = 3.3	η = 1.1	η = 6.1	x: 0.534 m η = 18.6	x: 0.534 m η = 3.5	x: 0.534 m η = 3.8	x: 0.534 m η = 0.1	x: 0.534 m η = 33.6	x: 0.534 m η = 30.2	x: 0.534 m η = 31.3	**CUMPLE h = 33.6**
N528/N498	w / t ≤(w / t)máx. Cumple	x: 0.554 m η = 11.8	x: 0.554 m η = 12.4	η = 1.4	x: 0.555 m η = 16.6	x: 0.066 m η = 3.4	x: 0.554 m η = 1.1	x: 0.066 m η = 3.2	x: 0.555 m η = 17.2	x: 0.066 m η = 4.0	x: 0.555 m η = 3.0	x: 0.066 m η = 0.2	x: 0.555 m η = 36.7	x: 0.555 m η = 32.5	x: 0.555 m η = 33.0	**CUMPLE h = 36.7**
N498/N479	w / t ≤(w / t)máx. Cumple	x: 0.441 m η = 8.6	x: 0.045 m η = 9.0	x: 0.244 m η = 2.0	x: 0.045 m η = 49.2	x: 0.045 m η = 3.9	η = 1.2	x: 0.244 m η = 21.6	x: 0.045 m η = 50.1	x: 0.045 m η = 4.0	x: 0.045 m η = 29.8	x: 0.045 m η = 0.2	x: 0.045 m η = 70.8	x: 0.045 m η = 57.0	x: 0.045 m η = 66.9	**CUMPLE h = 70.8**
N529/N530	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 30.5	x: 0 m η = 35.1	η = 1.1	x: 0 m η = 27.8	x: 0 m η = 11.3	x: 0.562 m η = 2.9	η = 6.4	x: 0 m η = 28.0	x: 0 m η = 11.3	x: 0 m η = 8.3	x: 0 m η = 1.4	x: 0 m η = 65.9	x: 0 m η = 64.9	x: 0 m η = 69.8	**CUMPLE h = 69.8**
N530/N531	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 24.5	x: 0.037 m η = 28.5	η = 1.5	x: 0.037 m η = 17.2	x: 0.534 m η = 7.6	η = 2.7	η = 4.6	x: 0.037 m η = 17.9	x: 0.534 m η = 8.2	x: 0.037 m η = 3.4	x: 0.534 m η = 0.8	x: 0.037 m η = 54.7	x: 0.037 m η = 53.9	x: 0.037 m η = 51.4	**CUMPLE h = 54.7**
N531/N532	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 19.0	x: 0.066 m η = 23.1	η = 1.3	x: 0.066 m η = 17.9	x: 0.066 m η = 7.2	η = 2.7	η = 6.1	x: 0.066 m η = 18.5	x: 0.066 m η = 7.8	x: 0.066 m η = 3.8	x: 0.066 m η = 0.7	x: 0.066 m η = 50.4	x: 0.066 m η = 49.7	x: 0.066 m η = 47.3	**CUMPLE h = 50.4**
N532/N533	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 15.1	x: 0.037 m η = 18.7	η = 1.1	x: 0.037 m η = 16.5	x: 0.037 m η = 5.6	η = 2.0	η = 5.1	x: 0.037 m η = 16.8	x: 0.037 m η = 5.8	x: 0.037 m η = 3.1	x: 0.037 m η = 0.4	x: 0.037 m η = 42.3	x: 0.037 m η = 41.6	x: 0.037 m η = 40.5	**CUMPLE h = 42.3**
N533/N534	w / t ≤(w / t)máx. Cumple	x: 0.562 m η = 9.6	x: 0.066 m η = 13.4	η = 0.8	x: 0.066 m η = 15.4	x: 0.066 m η = 4.6	x: 0.315 m η = 1.7	η = 5.7	x: 0.066 m η = 15.7	x: 0.066 m η = 4.9	x: 0.066 m η = 2.8	x: 0.066 m η = 0.3	x: 0.066 m η = 34.2	x: 0.066 m η = 34.0	x: 0.066 m η = 33.4	**CUMPLE h = 34.2**
N534/N535	w / t ≤(w / t)máx. Cumple	x: 0.533 m η = 5.2	x: 0.037 m η = 8.6	η = 0.9	x: 0.037 m η = 15.4	x: 0.037 m η = 2.6	x: 0.533 m η = 0.8	x: 0.533 m η = 5.3	x: 0.037 m η = 15.4	x: 0.037 m η = 2.6	x: 0.037 m η = 2.7	x: 0.037 m η = 0.1	x: 0.037 m η = 26.6	x: 0.037 m η = 26.6	x: 0.037 m η = 28.1	**CUMPLE h = 28.1**
N535/N536	w / t ≤(w / t)máx. Cumple	x: 0.067 m η = 2.0	x: 0.067 m η = 5.7	η = 0.8	x: 0.563 m η = 15.1	x: 0.563 m η = 2.0	x: 0.067 m η = 0.7	x: 0.315 m η = 5.4	x: 0.563 m η = 15.3	x: 0.563 m η = 2.1	x: 0.563 m η = 2.6	x: 0.563 m η < 0.1	x: 0.563 m η = 19.9	x: 0.563 m η = 20.8	x: 0.563 m η = 23.0	**CUMPLE h = 23.0**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N536/N537	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.533 m η = 2.5	x: 0.037 m η = 6.2	η = 0.6	x: 0.037 m η = 14.4	x: 0.534 m η = 1.8	x: 0.286 m η = 0.6	x: 0.533 m η = 5.5	x: 0.037 m η = 14.7	x: 0.534 m η = 2.0	x: 0.037 m η = 2.5	x: 0.534 m η < 0.1	x: 0.534 m η = 21.8	x: 0.534 m η = 21.5	x: 0.037 m η = 23.3	**CUMPLE h = 23.3**
N537/N538	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.315 m η = 7.1	x: 0.315 m η = 11.8	η = 0.9	x: 0.563 m η = 18.0	x: 0.563 m η = 2.7	x: 0.315 m η = 0.9	x: 0.562 m η = 5.4	x: 0.563 m η = 18.1	x: 0.563 m η = 2.9	x: 0.563 m η = 3.6	x: 0.563 m η = 0.1	x: 0.563 m η = 31.1	x: 0.563 m η = 31.6	x: 0.563 m η = 33.4	**CUMPLE h = 33.4**
N538/N497	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.286 m η = 10.9	x: 0.286 m η = 15.9	x: 0.286 m η = 1.6	x: 0.534 m η = 21.2	x: 0.534 m η = 5.2	η = 1.2	x: 0.286 m η = 5.0	x: 0.534 m η = 21.9	x: 0.534 m η = 5.2	x: 0.534 m η = 5.0	x: 0.534 m η = 0.3	x: 0.534 m η = 39.8	x: 0.534 m η = 38.4	x: 0.534 m η = 40.8	**CUMPLE h = 40.8**
N497/N478	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.445 m η = 5.0	x: 0.066 m η = 9.9	x: 0.256 m η = 2.3	x: 0.066 m η = 44.5	x: 0.446 m η = 4.5	η = 1.9	x: 0.256 m η = 22.0	x: 0.066 m η = 45.5	x: 0.446 m η = 4.6	x: 0.066 m η = 25.4	x: 0.446 m η = 0.2	x: 0.066 m η = 61.1	x: 0.066 m η = 51.6	x: 0.066 m η = 59.5	**CUMPLE h = 61.1**
N461/N539	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.274 m η = 5.3	x: 0.058 m η = 5.8	x: 0.059 m η = 0.9	x: 0.275 m η = 16.8	x: 0.275 m η = 5.3	x: 0.274 m η = 2.9	x: 0.059 m η = 6.2	x: 0.275 m η = 17.2	x: 0.275 m η = 5.4	x: 0.275 m η = 3.3	x: 0.275 m η = 0.4	x: 0.275 m η = 25.0	x: 0.275 m η = 19.9	x: 0.275 m η = 22.3	**CUMPLE h = 25.0**
N539/N540	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.287 m η = 3.1	x: 0.052 m η = 3.0	x: 0.288 m η = 2.0	x: 0.288 m η = 2.5	x: 0.288 m η = 2.7	x: 0.287 m η = 1.4	x: 0.287 m η = 1.8	x: 0.288 m η = 2.7	x: 0.288 m η = 3.5	x: 0.288 m η = 0.1	x: 0.288 m η = 0.1	x: 0.288 m η = 9.0	x: 0.288 m η = 7.4	x: 0.288 m η = 7.0	**CUMPLE h = 9.0**
N540/N541	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 2.9	x: 0.037 m η = 2.8	x: 0.487 m η = 2.0	x: 0.037 m η = 2.0	x: 0.037 m η = 7.4	x: 0.487 m η = 2.3	x: 0.037 m η = 0.3	x: 0.037 m η = 2.2	x: 0.037 m η = 8.2	x: 0.037 m η < 0.1	x: 0.037 m η = 0.7	x: 0.037 m η = 13.8	x: 0.037 m η = 9.7	x: 0.037 m η = 10.2	**CUMPLE h = 13.8**
N541/N542	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 1.0	x: 0.062 m η = 3.9	x: 0.287 m η = 2.1	x: 0.062 m η = 3.5	x: 0.062 m η = 8.1	x: 0.287 m η = 3.3	x: 0.062 m η = 1.3	x: 0.062 m η = 4.2	x: 0.062 m η = 9.0	x: 0.062 m η = 0.2	x: 0.062 m η = 0.9	x: 0.062 m η = 15.2	x: 0.062 m η = 16.6	x: 0.062 m η = 14.6	**CUMPLE h = 16.6**
N542/N543	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 0.9	x: 0.037 m η = 3.9	x: 0.487 m η = 2.7	x: 0.488 m η = 0.9	x: 0.037 m η = 8.9	η = 3.8	x: 0.488 m η = 0.4	x: 0.488 m η = 1.9	x: 0.488 m η = 10.0	x: 0.487 m η < 0.1	x: 0.488 m η = 1.1	x: 0.037 m η = 2.4	x: 0.037 m η = 13.4	x: 0.488 m η = 13.2	**CUMPLE h = 13.4**
N543/N544	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 1.9	x: 0.062 m η = 7.0	η = 2.1	x: 0.513 m η = 2.2	x: 0.513 m η = 6.3	η = 2.4	x: 0.062 m η = 0.8	x: 0.513 m η = 2.5	x: 0.513 m η = 7.2	x: 0.513 m η = 0.1	x: 0.513 m η = 0.6	N.P.[4]	x: 0.513 m η = 12.8	x: 0.513 m η = 11.3	**CUMPLE h = 12.8**
N544/N545	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 1.9	x: 0.037 m η = 7.1	x: 0.262 m η = 2.5	x: 0.037 m η = 1.7	x: 0.488 m η = 6.5	x: 0.037 m η = 2.6	x: 0.488 m η = 0.7	x: 0.037 m η = 2.4	x: 0.488 m η = 7.6	x: 0.037 m η = 0.1	x: 0.488 m η = 0.6	x: 0.488 m η = 12.1	x: 0.488 m η = 14.5	x: 0.488 m η = 13.4	**CUMPLE h = 14.5**
N545/N546	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 2.6	x: 0.062 m η = 8.0	x: 0.062 m η = 1.8	x: 0.513 m η = 1.8	x: 0.513 m η = 4.8	x: 0.062 m η = 1.7	x: 0.062 m η = 0.5	x: 0.513 m η = 2.0	x: 0.513 m η = 5.6	x: 0.513 m η < 0.1	x: 0.513 m η = 0.3	N.P.[4]	x: 0.513 m η = 11.9	x: 0.513 m η = 10.8	**CUMPLE h = 11.9**
N546/N547	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 2.6	x: 0.037 m η = 8.1	x: 0.037 m η = 2.1	x: 0.037 m η = 2.2	x: 0.488 m η = 5.3	x: 0.037 m η = 1.9	x: 0.488 m η = 0.9	x: 0.037 m η = 2.9	x: 0.488 m η = 6.0	x: 0.037 m η = 0.1	x: 0.488 m η = 0.4	x: 0.488 m η = 10.9	x: 0.488 m η = 14.8	x: 0.488 m η = 13.2	**CUMPLE h = 14.8**
N547/N548	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 2.2	x: 0.062 m η = 6.1	x: 0.063 m η = 1.4	x: 0.513 m η = 0.9	x: 0.513 m η = 2.9	x: 0.063 m η = 0.9	x: 0.062 m η = 0.3	x: 0.513 m η = 1.3	x: 0.513 m η = 3.5	x: 0.512 m η < 0.1	x: 0.513 m η = 0.1	x: 0.513 m η = 4.5	x: 0.513 m η = 8.5	x: 0.513 m η = 7.6	**CUMPLE h = 8.5**
N548/N549	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.52 m η = 2.2	x: 0.037 m η = 6.0	x: 0.038 m η = 1.1	x: 0.521 m η = 3.6	x: 0.521 m η = 3.3	x: 0.038 m η = 0.9	x: 0.521 m η = 1.3	x: 0.521 m η = 4.0	x: 0.521 m η = 3.7	x: 0.521 m η = 0.2	x: 0.521 m η = 0.1	x: 0.521 m η = 7.1	x: 0.521 m η = 11.9	x: 0.521 m η = 10.4	**CUMPLE h = 11.9**
N550/N551	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.287 m η = 3.8	x: 0.052 m η = 3.7	η = 2.0	x: 0.288 m η = 3.1	x: 0.288 m η = 2.8	x: 0.287 m η = 1.4	x: 0.287 m η = 2.4	x: 0.288 m η = 3.3	x: 0.288 m η = 3.5	x: 0.288 m η = 0.2	x: 0.288 m η = 0.1	x: 0.288 m η = 10.6	x: 0.288 m η = 8.7	x: 0.288 m η = 8.3	**CUMPLE h = 10.6**
N551/N552	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 3.6	x: 0.037 m η = 3.5	x: 0.487 m η = 2.1	x: 0.037 m η = 2.5	x: 0.037 m η = 8.1	x: 0.487 m η = 2.6	x: 0.037 m η = 0.5	x: 0.037 m η = 2.6	x: 0.037 m η = 9.0	x: 0.037 m η = 0.1	x: 0.037 m η = 0.9	x: 0.037 m η = 15.4	x: 0.037 m η = 10.4	x: 0.037 m η = 11.4	**CUMPLE h = 15.4**
N552/N553	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 1.5	x: 0.062 m η = 4.6	x: 0.287 m η = 2.0	x: 0.062 m η = 3.3	x: 0.062 m η = 8.1	η = 3.3	x: 0.062 m η = 1.3	x: 0.062 m η = 4.2	x: 0.062 m η = 9.0	x: 0.062 m η = 0.2	x: 0.062 m η = 0.9	x: 0.062 m η = 15.1	x: 0.062 m η = 16.9	x: 0.062 m η = 14.7	**CUMPLE h = 16.9**
N553/N554	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 1.4	x: 0.037 m η = 4.6	x: 0.487 m η = 2.7	x: 0.488 m η = 0.9	x: 0.488 m η = 8.7	x: 0.262 m η = 3.7	x: 0.488 m η = 0.4	x: 0.488 m η = 1.9	x: 0.488 m η = 9.8	x: 0.487 m η < 0.1	x: 0.488 m η = 1.1	x: 0.488 m η = 3.3	x: 0.488 m η = 13.7	x: 0.488 m η = 13.5	**CUMPLE h = 13.7**
N554/N555	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 2.0	x: 0.062 m η = 7.2	η = 2.1	x: 0.513 m η = 2.2	x: 0.513 m η = 6.2	η = 2.3	x: 0.062 m η = 0.8	x: 0.513 m η = 2.4	x: 0.513 m η = 7.1	x: 0.513 m η = 0.1	x: 0.513 m η = 0.6	N.P.[4]	x: 0.513 m η = 12.5	x: 0.513 m η = 11.1	**CUMPLE h = 12.5**
N555/N556	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 2.0	x: 0.037 m η = 7.2	x: 0.262 m η = 2.4	x: 0.037 m η = 1.7	x: 0.488 m η = 6.5	x: 0.037 m η = 2.6	x: 0.488 m η = 0.7	x: 0.037 m η = 2.5	x: 0.488 m η = 7.5	x: 0.037 m η = 0.1	x: 0.488 m η = 0.6	x: 0.488 m η = 12.0	x: 0.488 m η = 14.7	x: 0.488 m η = 13.5	**CUMPLE h = 14.7**
N556/N557	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 2.6	x: 0.062 m η = 8.1	x: 0.062 m η = 1.8	x: 0.513 m η = 1.8	x: 0.513 m η = 4.7	x: 0.062 m η = 1.7	x: 0.062 m η = 0.5	x: 0.513 m η = 2.1	x: 0.513 m η = 5.5	x: 0.513 m η < 0.1	x: 0.513 m η = 0.3	N.P.[4]	x: 0.513 m η = 12.0	x: 0.513 m η = 10.9	**CUMPLE h = 12.0**
N557/N558	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 2.6	x: 0.037 m η = 8.1	x: 0.037 m η = 2.0	x: 0.037 m η = 2.3	x: 0.488 m η = 5.2	x: 0.037 m η = 1.9	x: 0.488 m η = 0.9	x: 0.037 m η = 2.9	x: 0.488 m η = 5.9	x: 0.037 m η = 0.1	x: 0.488 m η = 0.4	x: 0.488 m η = 10.7	x: 0.488 m η = 14.8	x: 0.488 m η = 13.2	**CUMPLE h = 14.8**
N558/N559	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 2.2	x: 0.062 m η = 6.1	x: 0.063 m η = 1.4	x: 0.513 m η = 0.9	x: 0.513 m η = 2.8	x: 0.512 m η = 0.9	x: 0.062 m η = 0.3	x: 0.513 m η = 1.3	x: 0.513 m η = 3.4	x: 0.512 m η < 0.1	x: 0.513 m η = 0.1	x: 0.513 m η = 4.2	x: 0.513 m η = 8.7	x: 0.513 m η = 7.7	**CUMPLE h = 8.7**
N559/N549	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.52 m η = 2.2	x: 0.037 m η = 6.0	x: 0.038 m η = 1.1	x: 0.521 m η = 3.6	x: 0.521 m η = 3.2	x: 0.038 m η = 0.9	x: 0.521 m η = 1.3	x: 0.521 m η = 4.0	x: 0.521 m η = 3.5	x: 0.521 m η = 0.2	x: 0.521 m η = 0.1	x: 0.521 m η = 6.8	x: 0.521 m η = 11.7	x: 0.521 m η = 10.3	**CUMPLE h = 11.7**
N478/N560	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.513 m η = 5.2	x: 0.513 m η = 10.3	η = 5.9	x: 0.218 m η = 7.6	x: 0.218 m η = 6.1	x: 0.513 m η = 2.0	x: 0.513 m η = 3.3	x: 0.218 m η = 10.2	x: 0.218 m η = 8.5	x: 0.218 m η = 1.2	x: 0.218 m η = 0.8	x: 0.218 m η = 24.5	x: 0.218 m η = 28.2	x: 0.218 m η = 21.7	**CUMPLE h = 28.2**
N560/N561	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 3.6	x: 0.037 m η = 8.4	η = 2.6	x: 0.488 m η = 2.0	x: 0.037 m η = 5.2	η = 1.6	x: 0.037 m η = 0.8	x: 0.488 m η = 3.2	x: 0.037 m η = 6.1	x: 0.488 m η = 0.1	x: 0.037 m η = 0.4	x: 0.037 m η = 13.1	x: 0.037 m η = 17.1	x: 0.037 m η = 14.5	**CUMPLE h = 17.1**
N561/N562	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.062 m η = 3.3	x: 0.062 m η = 5.1	x: 0.287 m η = 2.3	x: 0.513 m η = 1.0	x: 0.513 m η = 2.4	x: 0.062 m η = 0.7	x: 0.513 m η = 0.4	x: 0.513 m η = 1.9	x: 0.513 m η = 3.3	x: 0.513 m η < 0.1	x: 0.513 m η = 0.1	N.P.[4]	x: 0.513 m η = 6.3	x: 0.513 m η = 6.1	**CUMPLE h = 6.3**
N562/N563	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 3.1	x: 0.037 m η = 5.0	η = 2.2	x: 0.488 m η = 2.3	x: 0.488 m η = 1.0	η = 0.3	x: 0.037 m η = 0.8	x: 0.488 m η = 2.6	x: 0.488 m η = 1.5	x: 0.488 m η = 0.1	x: 0.487 m η < 0.1	x: 0.488 m η = 3.8	x: 0.488 m η = 6.9	x: 0.037 m η = 6.8	**CUMPLE h = 6.9**
N563/N564	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.062 m η = 2.6	x: 0.062 m η = 3.3	x: 0.287 m η = 2.1	x: 0.062 m η = 1.6	x: 0.062 m η = 1.7	x: 0.287 m η = 0.4	x: 0.513 m η = 0.7	x: 0.062 m η = 2.5	x: 0.062 m η = 2.6	x: 0.062 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 7.3	x: 0.062 m η = 7.9	x: 0.062 m η = 5.8	**CUMPLE h = 7.9**
N564/N565	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 2.6	x: 0.037 m η = 3.3	η = 1.7	x: 0.488 m η = 2.0	x: 0.037 m η = 1.4	x: 0.487 m η = 0.4	x: 0.037 m η = 0.6	x: 0.488 m η = 2.1	x: 0.037 m η = 2.1	x: 0.488 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 6.0	x: 0.037 m η = 6.3	x: 0.037 m η = 4.9	**CUMPLE h = 6.3**
N565/N566	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 3.7	x: 0.512 m η = 5.2	η = 1.8	x: 0.062 m η = 2.2	x: 0.062 m η = 2.2	x: 0.512 m η = 0.6	x: 0.513 m η = 0.9	x: 0.062 m η = 2.9	x: 0.062 m η = 3.0	x: 0.513 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 9.2	x: 0.062 m η = 11.1	x: 0.062 m η = 9.0	**CUMPLE h = 11.1**
N566/N567	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.484 m η = 3.5	x: 0.484 m η = 5.1	η = 1.1	x: 0.485 m η = 1.6	x: 0.037 m η = 1.7	x: 0.484 m η = 0.5	x: 0.037 m η = 0.5	x: 0.485 m η = 1.7	x: 0.037 m η = 2.1	x: 0.485 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 7.3	x: 0.037 m η = 8.4	x: 0.037 m η = 7.4	**CUMPLE h = 8.4**
N567/N568	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.464 m η = 4.6	x: 0.065 m η = 8.6	η = 1.2	x: 0.465 m η = 5.2	x: 0.065 m η = 1.8	x: 0.464 m η = 0.5	x: 0.465 m η = 2.1	x: 0.465 m η = 5.7	x: 0.065 m η = 2.3	x: 0.465 m η = 0.4	x: 0.065 m η = 0.1	x: 0.065 m η = 9.4	x: 0.465 m η = 15.0	x: 0.465 m η = 15.1	**CUMPLE h = 15.1**
N462/N569	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.513 m η = 5.4	x: 0.513 m η = 10.7	η = 5.5	x: 0.218 m η = 7.1	x: 0.218 m η = 6.2	x: 0.513 m η = 2.0	x: 0.218 m η = 3.0	x: 0.218 m η = 9.4	x: 0.218 m η = 8.5	x: 0.218 m η = 1.0	x: 0.218 m η = 0.8	x: 0.218 m η = 24.6	x: 0.218 m η = 28.3	x: 0.218 m η = 22.1	**CUMPLE h = 28.3**
N569/N570	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.487 m η = 3.9	x: 0.037 m η = 8.8	η = 2.7	x: 0.037 m η = 2.1	x: 0.037 m η = 5.2	η = 1.6	x: 0.037 m η = 0.9	x: 0.037 m η = 3.2	x: 0.037 m η = 6.1	x: 0.037 m η = 0.1	x: 0.037 m η = 0.4	x: 0.037 m η = 13.5	x: 0.037 m η = 17.5	x: 0.037 m η = 14.8	**CUMPLE h = 17.5**
N570/N571	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.062 m η = 3.5	x: 0.062 m η = 5.4	x: 0.287 m η = 2.4	x: 0.513 m η = 1.0	x: 0.513 m η = 2.4	x: 0.063 m η = 0.7	x: 0.513 m η = 0.4	x: 0.513 m η = 1.9	x: 0.513 m η = 3.3	x: 0.513 m η < 0.1	x: 0.513 m η = 0.1	x: 0.513 m η = 6.2	x: 0.513 m η = 6.4	x: 0.513 m η = 6.2	**CUMPLE h = 6.4**
N571/N572	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 3.3	x: 0.037 m η = 5.2	η = 2.3	x: 0.488 m η = 2.3	x: 0.488 m η = 1.1	η = 0.4	x: 0.037 m η = 0.8	x: 0.488 m η = 2.6	x: 0.488 m η = 1.5	x: 0.488 m η = 0.1	x: 0.487 m η < 0.1	x: 0.488 m η = 4.2	x: 0.037 m η = 7.3	x: 0.037 m η = 7.2	**CUMPLE h = 7.3**
N572/N573	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 2.9	x: 0.062 m η = 3.6	x: 0.287 m η = 2.1	x: 0.062 m η = 1.6	x: 0.062 m η = 1.7	x: 0.287 m η = 0.4	x: 0.513 m η = 0.7	x: 0.062 m η = 2.5	x: 0.062 m η = 2.7	x: 0.062 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 7.3	x: 0.062 m η = 7.5	x: 0.062 m η = 5.5	**CUMPLE h = 7.5**
N573/N574	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 2.7	x: 0.037 m η = 3.4	η = 1.8	x: 0.488 m η = 2.0	x: 0.037 m η = 1.4	x: 0.487 m η = 0.4	x: 0.037 m η = 0.6	x: 0.488 m η = 2.2	x: 0.037 m η = 2.2	x: 0.488 m η = 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 6.1	x: 0.037 m η = 5.9	x: 0.037 m η = 4.9	**CUMPLE h = 6.1**
N574/N575	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.512 m η = 3.7	x: 0.287 m η = 5.1	η = 1.8	x: 0.062 m η = 2.1	x: 0.062 m η = 2.3	x: 0.287 m η = 0.7	x: 0.513 m η = 0.9	x: 0.513 m η = 2.9	x: 0.062 m η = 3.1	x: 0.513 m η = 0.1	x: 0.062 m η = 0.1	x: 0.062 m η = 9.2	x: 0.062 m η = 10.9	x: 0.062 m η = 8.8	**CUMPLE h = 10.9**
N575/N576	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.484 m η = 3.4	x: 0.484 m η = 5.0	η = 1.2	x: 0.485 m η = 1.6	x: 0.037 m η = 1.7	x: 0.484 m η = 0.5	x: 0.037 m η = 0.5	x: 0.485 m η = 1.7	x: 0.037 m η = 2.2	x: 0.485 m η < 0.1	x: 0.037 m η = 0.1	x: 0.037 m η = 7.3	x: 0.037 m η = 8.3	x: 0.037 m η = 7.2	**CUMPLE h = 8.3**
N576/N568	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.464 m η = 4.6	x: 0.464 m η = 8.6	η = 1.2	x: 0.465 m η = 5.2	x: 0.065 m η = 1.7	x: 0.464 m η = 0.5	x: 0.465 m η = 2.1	x: 0.465 m η = 5.7	x: 0.065 m η = 2.2	x: 0.465 m η = 0.4	x: 0.065 m η = 0.1	x: 0.065 m η = 9.5	x: 0.465 m η = 15.0	x: 0.465 m η = 15.1	**CUMPLE h = 15.1**
N500/N511	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.361 m η = 5.9	x: 0.361 m η = 7.7	η = 2.4	x: 0.64 m η = 6.8	x: 0.081 m η = 8.4	η = 1.9	x: 0.081 m η = 1.7	x: 0.64 m η = 7.9	x: 0.081 m η = 9.4	x: 0.64 m η = 0.6	x: 0.081 m η = 0.9	x: 0.081 m η = 24.6	x: 0.081 m η = 23.4	x: 0.081 m η = 20.0	**CUMPLE h = 24.6**
N501/N511	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.2 m η = 2.6	x: 0.2 m η = 2.6	x: 0.2 m η = 1.0	x: 0.355 m η = 1.8	x: 0.355 m η = 4.0	x: 0.2 m η = 1.9	x: 0.045 m η = 0.9	x: 0.355 m η = 1.9	x: 0.355 m η = 4.5	x: 0.355 m η < 0.1	x: 0.355 m η = 0.2	x: 0.355 m η = 8.8	x: 0.355 m η = 7.9	x: 0.355 m η = 7.6	**CUMPLE h = 8.8**
N511/N502	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.361 m η = 4.9	x: 0.361 m η = 5.6	x: 0.361 m η = 1.9	x: 0.081 m η = 7.1	x: 0.081 m η = 8.5	x: 0.361 m η = 2.0	x: 0.081 m η = 1.9	x: 0.081 m η = 7.9	x: 0.081 m η = 9.3	x: 0.081 m η = 0.7	x: 0.081 m η = 0.9	x: 0.081 m η = 25.1	x: 0.081 m η = 22.8	x: 0.081 m η = 19.4	**CUMPLE h = 25.1**
N502/N513	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.9	x: 0.081 m η = 5.5	η = 1.1	x: 0.081 m η = 5.7	x: 0.081 m η = 8.4	η = 2.0	x: 0.081 m η = 1.5	x: 0.081 m η = 6.2	x: 0.081 m η = 8.8	x: 0.081 m η = 0.4	x: 0.081 m η = 0.8	x: 0.081 m η = 21.4	x: 0.081 m η = 20.3	x: 0.081 m η = 17.9	**CUMPLE h = 21.4**
N513/N504	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.1	x: 0.081 m η = 3.5	η = 0.9	x: 0.081 m η = 4.2	x: 0.081 m η = 7.5	x: 0.361 m η = 2.0	x: 0.081 m η = 1.1	x: 0.081 m η = 4.6	x: 0.081 m η = 7.9	x: 0.081 m η = 0.2	x: 0.081 m η = 0.7	x: 0.081 m η = 17.2	x: 0.081 m η = 15.5	x: 0.081 m η = 13.7	**CUMPLE h = 17.2**
N504/N515	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 2.8	x: 0.081 m η = 4.1	x: 0.639 m η = 0.5	x: 0.081 m η = 2.8	x: 0.081 m η = 7.7	η = 2.0	x: 0.081 m η = 0.7	x: 0.081 m η = 2.9	x: 0.081 m η = 7.8	x: 0.081 m η = 0.1	x: 0.081 m η = 0.7	x: 0.081 m η = 13.5	x: 0.081 m η = 13.3	x: 0.081 m η = 12.7	**CUMPLE h = 13.5**
N515/N506	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 2.8	x: 0.081 m η = 3.1	η = 0.5	x: 0.081 m η = 1.2	x: 0.64 m η = 7.4	x: 0.081 m η = 2.0	x: 0.081 m η = 0.3	x: 0.081 m η = 1.2	x: 0.64 m η = 7.5	x: 0.081 m η < 0.1	x: 0.64 m η = 0.6	x: 0.64 m η = 10.5	x: 0.64 m η = 8.3	x: 0.64 m η = 9.5	**CUMPLE h = 10.5**
N506/N517	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 2.8	x: 0.081 m η = 4.1	η = 0.7	x: 0.64 m η = 1.5	x: 0.64 m η = 7.0	x: 0.361 m η = 1.9	x: 0.081 m η = 0.4	x: 0.64 m η = 1.8	x: 0.64 m η = 7.3	x: 0.64 m η < 0.1	x: 0.64 m η = 0.6	x: 0.64 m η = 11.2	x: 0.64 m η = 10.4	x: 0.64 m η = 10.3	**CUMPLE h = 11.2**
N517/N508	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.639 m η = 3.0	x: 0.081 m η = 3.2	η = 1.3	x: 0.64 m η = 2.9	x: 0.64 m η = 9.4	η = 2.1	x: 0.081 m η = 0.7	x: 0.64 m η = 3.5	x: 0.64 m η = 9.9	x: 0.64 m η = 0.1	x: 0.64 m η = 1.0	x: 0.64 m η = 17.9	x: 0.64 m η = 15.6	x: 0.64 m η = 14.5	**CUMPLE h = 17.9**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N508/N481	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 3.1	x: 0.639 m η = 4.2	η = 4.0	x: 0.64 m η = 3.5	x: 0.64 m η = 8.9	x: 0.082 m η = 1.3	x: 0.081 m η = 0.7	x: 0.081 m η = 4.8	x: 0.64 m η = 10.7	x: 0.081 m η = 0.2	x: 0.64 m η = 1.2	x: 0.64 m η = 20.0	x: 0.64 m η = 17.3	x: 0.64 m η = 14.3	**CUMPLE h = 20.0**
N502/N512	w / t ≤(w / t)máx. Cumple	η = 2.2	η = 2.2	η = 1.0	x: 0.045 m η = 2.7	x: 0.045 m η = 2.8	η = 1.3	x: 0.045 m η = 1.3	x: 0.045 m η = 2.7	x: 0.045 m η = 3.2	x: 0.045 m η = 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 9.1	x: 0.045 m η = 7.3	x: 0.045 m η = 6.4	**CUMPLE h = 9.1**
N503/N513	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 1.7	x: 0.2 m η = 1.6	x: 0.2 m η = 1.2	x: 0.355 m η = 2.7	x: 0.355 m η = 2.0	x: 0.2 m η = 1.0	x: 0.045 m η = 1.3	x: 0.355 m η = 2.7	x: 0.355 m η = 2.5	x: 0.355 m η = 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 7.0	x: 0.355 m η = 6.2	x: 0.355 m η = 4.7	**CUMPLE h = 7.0**
N504/N514	w / t ≤(w / t)máx. Cumple	η = 1.1	η = 1.0	η = 1.0	x: 0.045 m η = 2.6	x: 0.045 m η = 1.1	η = 0.5	x: 0.045 m η = 1.3	x: 0.045 m η = 2.6	x: 0.045 m η = 1.6	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 6.0	x: 0.045 m η = 4.5	x: 0.045 m η = 3.9	**CUMPLE h = 6.0**
N505/N515	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.5	x: 0.2 m η = 0.4	x: 0.2 m η = 1.1	x: 0.355 m η = 2.7	x: 0.355 m η = 0.3	η = 0.2	x: 0.045 m η = 1.3	x: 0.355 m η = 2.7	x: 0.355 m η = 0.8	x: 0.355 m η = 0.1	x: 0.354 m η < 0.1	x: 0.355 m η = 3.6	x: 0.355 m η = 3.3	x: 0.355 m η = 3.5	**CUMPLE h = 3.6**
N506/N516	w / t ≤(w / t)máx. Cumple	η = 0.3	η = 0.1	η = 1.0	x: 0.045 m η = 2.6	x: 0.045 m η = 0.4	η = 0.2	x: 0.045 m η = 1.3	x: 0.045 m η = 2.6	x: 0.045 m η = 0.9	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 3.4	x: 0.045 m η = 3.2	x: 0.045 m η = 3.4	**CUMPLE h = 3.4**
N507/N517	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.8	x: 0.2 m η = 0.7	x: 0.2 m η = 1.1	x: 0.355 m η = 2.5	x: 0.355 m η = 1.3	x: 0.2 m η = 0.6	x: 0.045 m η = 1.2	x: 0.355 m η = 2.5	x: 0.355 m η = 1.7	x: 0.355 m η = 0.1	x: 0.355 m η < 0.1	x: 0.355 m η = 4.2	x: 0.355 m η = 4.0	x: 0.355 m η = 3.4	**CUMPLE h = 4.2**
N508/N518	w / t ≤(w / t)máx. Cumple	η = 1.1	η = 1.1	η = 0.6	x: 0.355 m η = 3.4	x: 0.045 m η = 3.2	η = 1.4	x: 0.045 m η = 1.7	x: 0.355 m η = 3.5	x: 0.045 m η = 3.5	x: 0.355 m η = 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 6.0	x: 0.045 m η = 5.7	x: 0.045 m η = 5.3	**CUMPLE h = 6.0**
N500/N510	w / t ≤(w / t)máx. Cumple	η = 1.8	η = 1.7	η = 1.6	x: 0.045 m η = 9.0	x: 0.045 m η = 4.2	η = 1.8	x: 0.045 m η = 4.4	x: 0.045 m η = 9.2	x: 0.045 m η = 4.8	x: 0.045 m η = 1.0	x: 0.045 m η = 0.3	x: 0.045 m η = 16.9	x: 0.045 m η = 13.9	x: 0.045 m η = 12.1	**CUMPLE h = 16.9**
N530/N520	w / t ≤(w / t)máx. Cumple	η = 1.8	η = 1.7	η = 1.6	x: 0.355 m η = 8.9	x: 0.355 m η = 4.0	η = 1.7	x: 0.355 m η = 4.3	x: 0.355 m η = 9.0	x: 0.355 m η = 4.7	x: 0.355 m η = 1.0	x: 0.355 m η = 0.2	x: 0.355 m η = 16.9	x: 0.355 m η = 13.9	x: 0.355 m η = 11.9	**CUMPLE h = 16.9**
N520/N531	w / t ≤(w / t)máx. Cumple	x: 0.361 m η = 5.9	x: 0.361 m η = 7.7	η = 2.4	x: 0.64 m η = 6.9	x: 0.081 m η = 8.3	η = 1.9	x: 0.081 m η = 1.7	x: 0.64 m η = 7.9	x: 0.081 m η = 9.4	x: 0.64 m η = 0.7	x: 0.081 m η = 0.9	x: 0.081 m η = 24.7	x: 0.081 m η = 23.5	x: 0.081 m η = 20.1	**CUMPLE h = 24.7**
N531/N522	w / t ≤(w / t)máx. Cumple	x: 0.361 m η = 5.1	x: 0.361 m η = 5.8	x: 0.361 m η = 1.9	x: 0.081 m η = 7.2	x: 0.081 m η = 8.5	x: 0.361 m η = 2.0	x: 0.081 m η = 1.9	x: 0.081 m η = 8.0	x: 0.081 m η = 9.3	x: 0.081 m η = 0.7	x: 0.081 m η = 0.9	x: 0.081 m η = 25.4	x: 0.081 m η = 23.1	x: 0.081 m η = 19.6	**CUMPLE h = 25.4**
N522/N533	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 3.9	x: 0.081 m η = 5.5	η = 1.2	x: 0.081 m η = 5.8	x: 0.081 m η = 8.3	η = 2.0	x: 0.081 m η = 1.5	x: 0.081 m η = 6.3	x: 0.081 m η = 8.8	x: 0.081 m η = 0.4	x: 0.081 m η = 0.8	x: 0.081 m η = 21.6	x: 0.081 m η = 20.4	x: 0.081 m η = 18.0	**CUMPLE h = 21.6**
N533/N524	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 3.1	x: 0.081 m η = 3.5	η = 1.0	x: 0.081 m η = 4.3	x: 0.081 m η = 7.7	x: 0.361 m η = 2.0	x: 0.081 m η = 1.1	x: 0.081 m η = 4.7	x: 0.081 m η = 8.1	x: 0.081 m η = 0.2	x: 0.081 m η = 0.7	x: 0.081 m η = 17.6	x: 0.081 m η = 15.9	x: 0.081 m η = 14.0	**CUMPLE h = 17.6**
N524/N535	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 2.8	x: 0.081 m η = 4.1	x: 0.639 m η = 0.5	x: 0.081 m η = 2.9	x: 0.081 m η = 7.8	η = 2.0	x: 0.081 m η = 0.7	x: 0.081 m η = 3.0	x: 0.081 m η = 7.9	x: 0.081 m η = 0.1	x: 0.081 m η = 0.7	x: 0.081 m η = 13.8	x: 0.081 m η = 13.5	x: 0.081 m η = 12.9	**CUMPLE h = 13.8**
N535/N526	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 2.9	x: 0.081 m η = 3.2	η = 0.4	x: 0.081 m η = 1.2	x: 0.64 m η = 7.4	x: 0.081 m η = 2.0	x: 0.081 m η = 0.3	x: 0.081 m η = 1.3	x: 0.64 m η = 7.4	x: 0.081 m η < 0.1	x: 0.64 m η = 0.6	x: 0.64 m η = 10.5	x: 0.081 m η = 8.5	x: 0.64 m η = 9.5	**CUMPLE h = 10.5**
N526/N537	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 2.8	x: 0.081 m η = 4.1	η = 0.6	x: 0.64 m η = 1.5	x: 0.64 m η = 7.3	x: 0.361 m η = 2.0	x: 0.081 m η = 0.4	x: 0.64 m η = 1.8	x: 0.64 m η = 7.6	x: 0.64 m η < 0.1	x: 0.64 m η = 0.6	x: 0.64 m η = 11.6	x: 0.64 m η = 11.0	x: 0.64 m η = 11.0	**CUMPLE h = 11.6**
N537/N528	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 2.9	x: 0.081 m η = 3.2	η = 1.3	x: 0.64 m η = 3.0	x: 0.64 m η = 9.7	η = 2.1	x: 0.081 m η = 0.7	x: 0.64 m η = 3.5	x: 0.64 m η = 10.2	x: 0.64 m η = 0.1	x: 0.64 m η = 1.1	x: 0.64 m η = 18.3	x: 0.64 m η = 15.9	x: 0.64 m η = 14.7	**CUMPLE h = 18.3**
N528/N497	w / t ≤(w / t)máx. Cumple	x: 0.639 m η = 3.1	x: 0.639 m η = 4.3	η = 4.1	x: 0.64 m η = 3.5	x: 0.64 m η = 9.5	η = 1.4	x: 0.081 m η = 0.7	x: 0.081 m η = 4.9	x: 0.64 m η = 11.3	x: 0.081 m η = 0.2	x: 0.64 m η = 1.3	x: 0.64 m η = 21.0	x: 0.64 m η = 18.3	x: 0.64 m η = 15.4	**CUMPLE h = 21.0**
N497/N479	w / t ≤(w / t)máx. Cumple	x: 0.567 m η = 6.4	x: 0.567 m η = 7.5	η = 0.6	x: 0.072 m η = 2.2	x: 0.072 m η = 18.5	η = 4.9	x: 0.072 m η = 0.6	x: 0.072 m η = 2.5	x: 0.072 m η = 18.8	x: 0.072 m η = 0.1	x: 0.072 m η = 3.8	x: 0.072 m η = 32.2	x: 0.072 m η = 27.9	x: 0.072 m η = 29.8	**CUMPLE h = 32.2**
N479/N550	w / t ≤(w / t)máx. Cumple	x: 0.274 m η = 6.3	x: 0.058 m η = 6.8	x: 0.274 m η = 0.9	x: 0.275 m η = 16.4	x: 0.058 m η = 7.6	η = 4.3	x: 0.059 m η = 5.9	x: 0.275 m η = 16.8	x: 0.058 m η = 7.6	x: 0.275 m η = 3.2	x: 0.058 m η = 0.8	x: 0.275 m η = 24.3	x: 0.275 m η = 19.5	x: 0.275 m η = 21.7	**CUMPLE h = 24.3**
N531/N521	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 2.6	x: 0.2 m η = 2.6	x: 0.2 m η = 1.0	x: 0.045 m η = 1.8	x: 0.045 m η = 4.1	x: 0.2 m η = 2.0	x: 0.354 m η = 0.9	x: 0.045 m η = 1.9	x: 0.045 m η = 4.5	x: 0.045 m η < 0.1	x: 0.045 m η = 0.2	x: 0.045 m η = 9.0	x: 0.045 m η = 8.0	x: 0.045 m η = 7.8	**CUMPLE h = 9.0**
N532/N522	w / t ≤(w / t)máx. Cumple	η = 2.3	η = 2.2	η = 1.0	x: 0.355 m η = 2.7	x: 0.355 m η = 2.9	η = 1.4	x: 0.355 m η = 1.3	x: 0.355 m η = 2.7	x: 0.355 m η = 3.3	x: 0.355 m η = 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 9.1	x: 0.355 m η = 7.3	x: 0.355 m η = 6.5	**CUMPLE h = 9.1**
N533/N523	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 1.7	x: 0.2 m η = 1.6	x: 0.2 m η = 1.2	x: 0.045 m η = 2.6	x: 0.045 m η = 2.0	x: 0.2 m η = 1.0	x: 0.355 m η = 1.3	x: 0.045 m η = 2.7	x: 0.045 m η = 2.5	x: 0.045 m η = 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 7.1	x: 0.045 m η = 6.2	x: 0.045 m η = 4.8	**CUMPLE h = 7.1**
N534/N524	w / t ≤(w / t)máx. Cumple	η = 1.1	η = 1.0	η = 1.0	x: 0.355 m η = 2.6	x: 0.355 m η = 1.2	η = 0.6	x: 0.355 m η = 1.3	x: 0.355 m η = 2.6	x: 0.355 m η = 1.6	x: 0.355 m η = 0.1	x: 0.355 m η < 0.1	x: 0.355 m η = 6.1	x: 0.355 m η = 4.6	x: 0.355 m η = 4.0	**CUMPLE h = 6.1**
N535/N525	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.6	x: 0.2 m η = 0.4	x: 0.2 m η = 1.2	x: 0.045 m η = 2.6	x: 0.045 m η = 0.4	x: 0.2 m η = 0.2	x: 0.355 m η = 1.3	x: 0.045 m η = 2.7	x: 0.045 m η = 0.9	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 3.6	x: 0.045 m η = 3.5	x: 0.045 m η = 3.4	**CUMPLE h = 3.6**
N536/N526	w / t ≤(w / t)máx. Cumple	η = 0.3	η = 0.1	η = 1.0	x: 0.355 m η = 2.6	x: 0.355 m η = 0.6	η = 0.3	x: 0.355 m η = 1.3	x: 0.355 m η = 2.6	x: 0.355 m η = 1.0	x: 0.355 m η = 0.1	x: 0.354 m η < 0.1	x: 0.355 m η = 3.4	x: 0.355 m η = 3.3	x: 0.355 m η = 3.4	**CUMPLE h = 3.4**
N537/N527	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.8	x: 0.2 m η = 0.7	x: 0.2 m η = 1.1	x: 0.045 m η = 2.5	x: 0.045 m η = 1.2	x: 0.2 m η = 0.6	x: 0.355 m η = 1.2	x: 0.045 m η = 2.5	x: 0.045 m η = 1.7	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 4.2	x: 0.045 m η = 4.1	x: 0.045 m η = 3.4	**CUMPLE h = 4.2**
N538/N528	w / t ≤(w / t)máx. Cumple	η = 1.2	η = 1.1	η = 0.7	x: 0.045 m η = 3.3	x: 0.355 m η = 3.3	η = 1.4	x: 0.355 m η = 1.6	x: 0.045 m η = 3.4	x: 0.355 m η = 3.6	x: 0.045 m η = 0.1	x: 0.355 m η = 0.2	x: 0.355 m η = 6.1	x: 0.355 m η = 5.7	x: 0.355 m η = 5.4	**CUMPLE h = 6.1**
N482/N462	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 2.7	x: 0.07 m η = 0.9	η = 0.8	x: 0.711 m η = 2.7	x: 0.07 m η = 6.7	η = 1.4	x: 0.07 m η = 0.6	x: 0.711 m η = 3.0	x: 0.07 m η = 7.0	x: 0.711 m η = 0.1	x: 0.07 m η = 0.5	x: 0.07 m η = 12.4	x: 0.07 m η = 9.3	x: 0.07 m η = 10.0	**CUMPLE h = 12.4**
N482/N464	w / t ≤(w / t)máx. Cumple	x: 0.551 m η = 1.1	x: 0.551 m η = 2.7	x: 0.551 m η = 0.3	x: 0.711 m η = 1.3	x: 0.07 m η = 0.6	x: 0.71 m η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.4	x: 0.07 m η = 0.8	x: 0.71 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.711 m η = 4.1	x: 0.711 m η = 4.0	**CUMPLE h = 4.1**
N570/N541	w / t ≤(w / t)máx. Cumple	x: 0.34 m η = 3.8	x: 0.34 m η = 2.3	x: 0.076 m η = 1.4	x: 0.604 m η = 1.9	x: 0.076 m η = 3.4	x: 0.603 m η = 0.7	x: 0.603 m η = 0.5	x: 0.604 m η = 2.3	x: 0.076 m η = 3.7	x: 0.604 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 10.5	x: 0.076 m η = 6.6	x: 0.076 m η = 8.3	**CUMPLE h = 10.5**
N570/N543	w / t ≤(w / t)máx. Cumple	x: 0.076 m η = 1.8	x: 0.076 m η = 4.8	x: 0.603 m η = 1.4	x: 0.604 m η = 1.2	x: 0.076 m η = 4.2	x: 0.603 m η = 1.0	x: 0.603 m η = 0.3	x: 0.076 m η = 1.4	x: 0.076 m η = 4.6	x: 0.076 m η < 0.1	x: 0.076 m η = 0.2	x: 0.076 m η = 8.3	x: 0.076 m η = 10.7	x: 0.076 m η = 9.9	**CUMPLE h = 10.7**
N481/N461	w / t ≤(w / t)máx. Cumple	x: 0.567 m η = 6.6	x: 0.072 m η = 7.8	x: 0.567 m η = 0.6	x: 0.072 m η = 2.2	x: 0.072 m η = 17.9	x: 0.567 m η = 4.7	x: 0.072 m η = 0.6	x: 0.072 m η = 2.4	x: 0.072 m η = 18.2	x: 0.072 m η = 0.1	x: 0.072 m η = 3.5	x: 0.072 m η = 31.1	x: 0.072 m η = 27.1	x: 0.072 m η = 28.9	**CUMPLE h = 31.1**
N462/N539	w / t ≤(w / t)máx. Cumple	x: 0.45 m η = 4.2	x: 0.058 m η = 5.0	x: 0.254 m η = 1.3	x: 0.058 m η = 1.6	x: 0.058 m η = 3.5	η = 1.0	x: 0.254 m η = 0.5	x: 0.058 m η = 1.9	x: 0.058 m η = 4.0	x: 0.058 m η < 0.1	x: 0.058 m η = 0.2	x: 0.451 m η = 8.8	x: 0.058 m η = 8.8	x: 0.058 m η = 8.3	**CUMPLE h = 8.8**
N462/N540	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.7	x: 0.058 m η = 1.0	x: 0.058 m η = 1.5	x: 0.058 m η = 2.0	x: 0.058 m η = 7.7	η = 2.1	x: 0.058 m η = 0.8	x: 0.058 m η = 1.8	x: 0.058 m η = 8.4	x: 0.058 m η < 0.1	x: 0.058 m η = 0.7	x: 0.058 m η = 12.0	x: 0.058 m η = 10.5	x: 0.058 m η = 10.3	**CUMPLE h = 12.0**
N569/N541	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.5	x: 0.045 m η = 0.5	η = 1.4	x: 0.045 m η = 5.5	x: 0.348 m η = 6.7	x: 0.347 m η = 2.9	x: 0.045 m η = 2.6	x: 0.045 m η = 6.1	x: 0.348 m η = 6.8	x: 0.045 m η = 0.4	x: 0.348 m η = 0.5	x: 0.045 m η = 12.0	x: 0.045 m η = 12.0	x: 0.348 m η = 10.3	**CUMPLE h = 12.0**
N462/N541	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 2.7	x: 0.076 m η = 5.7	η = 1.4	x: 0.076 m η = 1.3	x: 0.076 m η = 9.0	η = 1.6	x: 0.604 m η = 0.2	x: 0.076 m η = 1.9	x: 0.076 m η = 9.3	x: 0.076 m η < 0.1	x: 0.076 m η = 0.9	x: 0.076 m η = 16.0	x: 0.076 m η = 16.4	x: 0.076 m η = 16.1	**CUMPLE h = 16.4**
N572/N543	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 2.3	x: 0.076 m η = 2.0	η = 0.8	x: 0.076 m η = 1.5	x: 0.076 m η = 2.8	η = 0.3	x: 0.603 m η = 0.4	x: 0.076 m η = 1.7	x: 0.076 m η = 3.1	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 7.1	x: 0.076 m η = 5.8	x: 0.076 m η = 5.9	**CUMPLE h = 7.1**
N572/N545	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.1	x: 0.076 m η = 2.6	x: 0.34 m η = 1.4	x: 0.076 m η = 1.5	x: 0.076 m η = 2.8	η = 0.6	x: 0.603 m η = 0.3	x: 0.076 m η = 1.9	x: 0.076 m η = 3.2	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.4	x: 0.076 m η = 6.2	x: 0.604 m η = 5.4	**CUMPLE h = 6.4**
N574/N545	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 2.7	η = 0.7	x: 0.076 m η = 1.7	x: 0.076 m η = 2.2	η = 0.2	x: 0.603 m η = 0.4	x: 0.076 m η = 1.9	x: 0.076 m η = 2.3	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.1	x: 0.076 m η = 6.7	x: 0.076 m η = 5.8	**CUMPLE h = 6.7**
N574/N547	w / t ≤(w / t)máx. Cumple	x: 0.34 m η = 0.8	x: 0.34 m η = 1.0	x: 0.34 m η = 1.3	x: 0.076 m η = 1.7	x: 0.076 m η = 2.0	η = 0.4	x: 0.603 m η = 0.5	x: 0.076 m η = 2.0	x: 0.076 m η = 2.4	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.1	x: 0.076 m η = 3.9	x: 0.076 m η = 3.8	**CUMPLE h = 6.1**
N576/N547	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 4.2	η = 0.6	x: 0.076 m η = 1.9	x: 0.604 m η = 1.5	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.2	x: 0.604 m η = 1.7	x: 0.076 m η < 0.1	x: 0.603 m η < 0.1	N.P.(4)	x: 0.076 m η = 7.8	x: 0.076 m η = 7.1	**CUMPLE h = 7.8**
N576/N549	w / t ≤(w / t)máx. Cumple	x: 0.355 m η = 1.4	x: 0.355 m η = 0.7	x: 0.079 m η = 0.8	x: 0.63 m η = 2.3	x: 0.63 m η = 2.2	η = 0.4	x: 0.629 m η = 0.5	x: 0.63 m η = 2.6	x: 0.63 m η = 2.4	x: 0.63 m η = 0.1	x: 0.63 m η = 0.1	x: 0.63 m η = 6.5	x: 0.63 m η = 2.5	x: 0.63 m η = 4.8	**CUMPLE h = 6.5**
N567/N549	w / t ≤(w / t)máx. Cumple	x: 0.355 m η = 1.4	x: 0.355 m η = 0.6	x: 0.355 m η = 0.8	x: 0.63 m η = 2.3	x: 0.63 m η = 2.2	η = 0.4	x: 0.629 m η = 0.5	x: 0.63 m η = 2.6	x: 0.63 m η = 2.3	x: 0.63 m η = 0.1	x: 0.63 m η = 0.1	x: 0.63 m η = 6.5	x: 0.63 m η = 2.5	x: 0.63 m η = 4.8	**CUMPLE h = 6.5**
N567/N558	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.6	x: 0.076 m η = 4.2	η = 0.7	x: 0.076 m η = 1.9	x: 0.604 m η = 1.6	η = 0.2	x: 0.603 m η = 0.6	x: 0.076 m η = 2.2	x: 0.604 m η = 1.7	x: 0.076 m η = 0.1	x: 0.603 m η < 0.1	N.P.(4)	x: 0.604 m η = 7.8	x: 0.604 m η = 7.1	**CUMPLE h = 7.8**
N565/N558	w / t ≤(w / t)máx. Cumple	x: 0.076 m η = 0.9	x: 0.076 m η = 1.0	x: 0.34 m η = 1.2	x: 0.076 m η = 1.7	x: 0.076 m η = 1.9	x: 0.34 m η = 0.4	x: 0.603 m η = 0.5	x: 0.076 m η = 2.0	x: 0.076 m η = 2.3	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 5.9	x: 0.076 m η = 3.7	x: 0.076 m η = 3.7	**CUMPLE h = 5.9**
N565/N556	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.7	x: 0.076 m η = 2.8	η = 0.7	x: 0.076 m η = 1.7	x: 0.076 m η = 2.1	η = 0.2	x: 0.603 m η = 0.4	x: 0.076 m η = 1.9	x: 0.076 m η = 2.3	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 4.9	x: 0.076 m η = 6.7	x: 0.076 m η = 5.8	**CUMPLE h = 6.7**
N563/N556	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.0	x: 0.076 m η = 2.5	x: 0.34 m η = 1.4	x: 0.076 m η = 1.6	x: 0.076 m η = 2.7	η = 0.6	x: 0.603 m η = 0.4	x: 0.076 m η = 1.9	x: 0.076 m η = 3.1	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.3	x: 0.076 m η = 5.9	x: 0.604 m η = 5.2	**CUMPLE h = 6.3**
N563/N554	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 2.2	x: 0.076 m η = 2.0	η = 0.8	x: 0.076 m η = 1.6	x: 0.076 m η = 2.8	η = 0.3	x: 0.603 m η = 0.4	x: 0.076 m η = 1.7	x: 0.076 m η = 3.0	x: 0.076 m η < 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 6.9	x: 0.076 m η = 5.8	x: 0.076 m η = 5.7	**CUMPLE h = 6.9**
N561/N554	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 1.8	x: 0.076 m η = 4.7	x: 0.603 m η = 1.4	x: 0.604 m η = 1.1	x: 0.076 m η = 4.2	x: 0.603 m η = 1.0	x: 0.603 m η = 0.3	x: 0.076 m η = 1.4	x: 0.076 m η = 4.6	x: 0.076 m η < 0.1	x: 0.076 m η = 0.2	x: 0.076 m η = 8.2	x: 0.076 m η = 10.3	x: 0.076 m η = 9.6	**CUMPLE h = 10.3**
N561/N552	w / t ≤(w / t)máx. Cumple	x: 0.34 m η = 3.8	x: 0.34 m η = 2.4	x: 0.076 m η = 1.3	x: 0.604 m η = 1.8	x: 0.076 m η = 3.2	x: 0.603 m η = 0.6	x: 0.603 m η = 0.5	x: 0.604 m η = 2.2	x: 0.076 m η = 3.6	x: 0.604 m η = 0.1	x: 0.076 m η = 0.1	x: 0.076 m η = 10.4	x: 0.076 m η = 6.6	x: 0.076 m η = 8.0	**CUMPLE h = 10.4**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N478/N552	w / t ≤(w / t)máx. Cumple	x: 0.603 m η = 2.6	x: 0.076 m η = 6.2	η = 1.4	x: 0.076 m η = 1.5	x: 0.076 m η = 9.1	η = 1.6	x: 0.603 m η = 0.2	x: 0.076 m η = 2.1	x: 0.076 m η = 9.6	x: 0.076 m η < 0.1	x: 0.076 m η = 1.0	x: 0.076 m η = 16.4	x: 0.076 m η = 17.8	x: 0.076 m η = 17.5	**CUMPLE h = 17.8**
N478/N550	w / t ≤(w / t)máx. Cumple	x: 0.45 m η = 4.9	x: 0.058 m η = 5.8	x: 0.254 m η = 1.3	x: 0.058 m η = 1.7	x: 0.058 m η = 3.5	η = 1.0	x: 0.058 m η = 0.5	x: 0.058 m η = 2.0	x: 0.058 m η = 4.0	x: 0.058 m η < 0.1	x: 0.058 m η = 0.2	x: 0.451 m η = 9.7	x: 0.058 m η = 9.5	x: 0.058 m η = 9.0	**CUMPLE h = 9.7**
N484/N464	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 2.1	x: 0.07 m η = 0.5	x: 0.551 m η = 0.4	x: 0.07 m η = 1.3	x: 0.711 m η = 0.4	η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.5	x: 0.711 m η = 0.4	x: 0.07 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.07 m η = 1.6	x: 0.07 m η = 3.8	**CUMPLE h = 3.8**
N484/N466	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 1.0	x: 0.71 m η = 2.0	η = 0.2	x: 0.711 m η = 1.2	x: 0.711 m η = 0.9	x: 0.07 m η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.3	x: 0.711 m η = 1.0	x: 0.07 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.6	x: 0.07 m η = 2.5	**CUMPLE h = 2.6**
N486/N466	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 1.6	x: 0.391 m η = 0.5	x: 0.551 m η = 0.4	x: 0.711 m η = 1.3	x: 0.07 m η = 0.7	η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.5	x: 0.07 m η = 0.9	x: 0.711 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.2	x: 0.07 m η = 3.4	**CUMPLE h = 3.4**
N486/N468	w / t ≤(w / t)máx. Cumple	x: 0.551 m η = 1.1	x: 0.551 m η = 1.6	η = 0.4	x: 0.711 m η = 1.4	x: 0.07 m η = 0.4	x: 0.391 m η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.6	x: 0.07 m η = 0.5	x: 0.711 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.2	x: 0.711 m η = 2.3	**CUMPLE h = 2.3**
N488/N468	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 1.4	x: 0.07 m η = 0.8	η = 0.3	x: 0.711 m η = 1.5	x: 0.07 m η = 0.4	x: 0.391 m η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.6	x: 0.07 m η = 0.5	x: 0.711 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.2	x: 0.711 m η = 3.2	**CUMPLE h = 3.2**
N488/N470	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 1.3	x: 0.391 m η = 1.2	x: 0.391 m η = 0.3	x: 0.711 m η = 1.5	x: 0.07 m η = 0.3	η = 0.1	x: 0.07 m η = 0.4	x: 0.711 m η = 1.6	x: 0.711 m η = 0.4	x: 0.711 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.711 m η = 1.9	x: 0.711 m η = 2.7	**CUMPLE h = 2.7**
N490/N470	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 1.2	x: 0.391 m η = 1.1	η = 0.3	x: 0.711 m η = 1.5	x: 0.711 m η = 0.4	η = 0.1	x: 0.07 m η = 0.4	x: 0.711 m η = 1.6	x: 0.711 m η = 0.6	x: 0.711 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.3	x: 0.711 m η = 2.9	**CUMPLE h = 2.9**
N490/N472	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 1.5	x: 0.07 m η = 0.9	η = 0.4	x: 0.711 m η = 1.5	x: 0.07 m η = 0.4	η = 0.1	x: 0.07 m η = 0.4	x: 0.711 m η = 1.6	x: 0.07 m η = 0.5	x: 0.711 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.2	x: 0.711 m η = 3.1	**CUMPLE h = 3.1**
N492/N472	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 1.0	x: 0.391 m η = 1.4	x: 0.07 m η = 0.3	x: 0.711 m η = 1.4	x: 0.711 m η = 0.5	η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.5	x: 0.711 m η = 0.6	x: 0.711 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.711 m η = 2.2	x: 0.711 m η = 2.4	**CUMPLE h = 2.4**
N492/N474	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 1.7	x: 0.07 m η = 0.6	η = 0.3	x: 0.711 m η = 1.3	x: 0.07 m η = 0.4	η = 0.1	x: 0.07 m η = 0.3	x: 0.711 m η = 1.4	x: 0.07 m η = 0.5	x: 0.711 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 1.9	x: 0.07 m η = 3.3	**CUMPLE h = 3.3**
N494/N474	w / t ≤(w / t)máx. Cumple	x: 0.551 m η = 0.9	x: 0.551 m η = 1.9	x: 0.551 m η = 0.2	x: 0.07 m η = 1.2	x: 0.711 m η = 0.6	x: 0.23 m η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.3	x: 0.711 m η = 0.7	x: 0.07 m η < 0.1	x: 0.71 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.8	x: 0.07 m η = 2.6	**CUMPLE h = 2.8**
N494/N476	w / t ≤(w / t)máx. Cumple	x: 0.389 m η = 2.2	x: 0.389 m η = 0.6	x: 0.549 m η = 0.5	x: 0.07 m η = 1.4	x: 0.07 m η = 0.5	x: 0.549 m η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.6	x: 0.07 m η = 0.7	x: 0.07 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.07 m η = 2.1	x: 0.07 m η = 3.9	**CUMPLE h = 3.9**
N496/N476	w / t ≤(w / t)máx. Cumple	x: 0.551 m η = 1.0	x: 0.551 m η = 2.6	η = 0.3	x: 0.711 m η = 1.2	x: 0.07 m η = 0.7	x: 0.391 m η = 0.1	x: 0.07 m η = 0.3	x: 0.07 m η = 1.2	x: 0.07 m η = 0.8	x: 0.07 m η < 0.1	x: 0.07 m η < 0.1	N.P.(4)	x: 0.711 m η = 3.7	x: 0.711 m η = 3.7	**CUMPLE h = 3.7**
N496/N478	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 2.9	x: 0.07 m η = 1.1	η = 0.8	x: 0.711 m η = 2.8	x: 0.07 m η = 7.0	η = 1.5	x: 0.07 m η = 0.7	x: 0.711 m η = 3.1	x: 0.07 m η = 7.3	x: 0.711 m η = 0.1	x: 0.07 m η = 0.6	x: 0.07 m η = 12.7	x: 0.07 m η = 9.7	x: 0.07 m η = 10.3	**CUMPLE h = 12.7**
N482/N463	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.5	x: 0.048 m η = 0.9	x: 0.454 m η = 1.1	x: 0.455 m η = 6.2	x: 0.048 m η = 2.7	η = 0.9	x: 0.454 m η = 2.3	x: 0.455 m η = 6.7	x: 0.048 m η = 2.7	x: 0.455 m η = 0.5	x: 0.048 m η = 0.1	x: 0.455 m η = 11.5	x: 0.455 m η = 8.5	x: 0.455 m η = 8.3	**CUMPLE h = 11.5**
N483/N464	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.4	η = 0.2	x: 0.045 m η = 0.4	x: 0.452 m η = 1.0	η = 0.4	η = 0.2	x: 0.045 m η = 0.4	x: 0.452 m η = 1.1	x: 0.045 m η < 0.1	x: 0.452 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.9	x: 0.452 m η = 1.7	**CUMPLE h = 1.9**
N484/N465	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.6	η = 0.1	x: 0.048 m η = 0.8	x: 0.455 m η = 1.1	x: 0.454 m η = 0.4	η = 0.3	x: 0.048 m η = 0.9	x: 0.455 m η = 1.1	x: 0.048 m η < 0.1	x: 0.455 m η < 0.1	N.P.(4)	x: 0.048 m η = 2.3	x: 0.048 m η = 2.0	**CUMPLE h = 2.3**
N485/N466	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.4	η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 0.9	x: 0.045 m η = 0.3	x: 0.045 m η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 1.0	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.1	x: 0.045 m η = 1.2	**CUMPLE h = 1.2**
N486/N467	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.6	η = 0.1	x: 0.048 m η = 0.3	x: 0.455 m η = 0.9	x: 0.454 m η = 0.3	x: 0.454 m η = 0.1	x: 0.048 m η = 0.3	x: 0.455 m η = 0.9	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.3	x: 0.455 m η = 1.2	**CUMPLE h = 1.3**
N487/N468	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.5	η = 0.1	x: 0.452 m η = 0.5	x: 0.045 m η = 0.8	x: 0.045 m η = 0.3	η = 0.2	x: 0.452 m η = 0.6	x: 0.045 m η = 0.8	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.4	x: 0.452 m η = 1.3	**CUMPLE h = 1.4**
N488/N469	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.6	η = 0.1	x: 0.048 m η = 0.6	x: 0.455 m η = 0.8	x: 0.454 m η = 0.3	η = 0.2	x: 0.048 m η = 0.6	x: 0.455 m η = 0.8	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.4	x: 0.048 m η = 1.4	**CUMPLE h = 1.4**
N489/N470	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.5	η = 0.1	x: 0.452 m η = 0.4	x: 0.045 m η = 0.6	x: 0.045 m η = 0.2	η = 0.1	x: 0.452 m η = 0.5	x: 0.045 m η = 0.6	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.1	x: 0.452 m η = 1.0	**CUMPLE h = 1.1**
N490/N471	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.4	x: 0.048 m η = 0.7	η = 0.1	x: 0.048 m η = 1.2	x: 0.455 m η = 0.8	x: 0.454 m η = 0.3	η = 0.4	x: 0.048 m η = 1.2	x: 0.455 m η = 0.8	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 2.0	x: 0.048 m η = 2.2	**CUMPLE h = 2.2**
N491/N472	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.5	η = 0.1	x: 0.452 m η = 0.4	x: 0.045 m η = 0.7	x: 0.045 m η = 0.3	η = 0.1	x: 0.452 m η = 0.4	x: 0.045 m η = 0.8	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.1	x: 0.045 m η = 1.0	**CUMPLE h = 1.1**
N492/N473	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.6	η = 0.1	x: 0.048 m η = 0.6	x: 0.455 m η = 0.9	x: 0.454 m η = 0.3	x: 0.252 m η = 0.2	x: 0.048 m η = 0.6	x: 0.455 m η = 0.9	x: 0.048 m η < 0.1	x: 0.454 m η < 0.1	N.P.(4)	x: 0.048 m η = 1.7	x: 0.048 m η = 1.6	**CUMPLE h = 1.7**
N493/N474	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.5	η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 0.9	x: 0.045 m η = 0.3	x: 0.045 m η = 0.1	x: 0.452 m η = 0.3	x: 0.045 m η = 0.9	x: 0.451 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.452 m η = 1.3	x: 0.045 m η = 1.2	**CUMPLE h = 1.3**
N494/N475	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.6	η = 0.1	x: 0.048 m η = 0.5	x: 0.455 m η = 1.1	η = 0.4	x: 0.252 m η = 0.2	x: 0.048 m η = 0.5	x: 0.455 m η = 1.1	x: 0.048 m η < 0.1	x: 0.455 m η < 0.1	N.P.(4)	x: 0.048 m η = 2.0	x: 0.048 m η = 1.8	**CUMPLE h = 2.0**
N495/N476	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.4	x: 0.249 m η = 0.2	x: 0.045 m η = 0.5	x: 0.452 m η = 1.1	x: 0.249 m η = 0.4	η = 0.2	x: 0.452 m η = 0.6	x: 0.452 m η = 1.1	x: 0.451 m η < 0.1	x: 0.452 m η < 0.1	N.P.(4)	x: 0.452 m η = 2.0	x: 0.452 m η = 1.8	**CUMPLE h = 2.0**
N496/N477	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.6	x: 0.048 m η = 1.0	x: 0.454 m η = 1.1	x: 0.455 m η = 6.7	x: 0.048 m η = 2.7	η = 0.9	x: 0.454 m η = 2.4	x: 0.455 m η = 7.1	x: 0.048 m η = 2.8	x: 0.455 m η = 0.6	x: 0.048 m η = 0.1	x: 0.455 m η = 11.8	x: 0.455 m η = 9.2	x: 0.455 m η = 9.0	**CUMPLE h = 11.8**
N570/N542	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.1	η = 0.5	x: 0.045 m η = 3.2	x: 0.355 m η = 1.2	x: 0.045 m η = 0.5	x: 0.045 m η = 1.6	x: 0.045 m η = 3.5	x: 0.355 m η = 1.4	x: 0.045 m η = 0.1	x: 0.355 m η < 0.1	x: 0.045 m η = 6.0	x: 0.355 m η = 2.1	x: 0.045 m η = 4.4	**CUMPLE h = 6.0**
N571/N543	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.4	x: 0.045 m η = 0.1	η = 1.3	x: 0.348 m η = 2.1	x: 0.348 m η = 4.0	η = 1.1	x: 0.045 m η = 1.1	x: 0.348 m η = 2.3	x: 0.348 m η = 4.1	x: 0.348 m η = 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 8.2	x: 0.348 m η = 3.3	x: 0.348 m η = 5.9	**CUMPLE h = 8.2**
N572/N544	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.2	η = 0.6	x: 0.045 m η = 1.8	x: 0.045 m η = 0.8	η = 0.3	x: 0.2 m η = 0.9	x: 0.045 m η = 2.0	x: 0.045 m η = 1.0	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 3.1	x: 0.045 m η = 2.5	**CUMPLE h = 3.1**
N573/N545	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.4	x: 0.045 m η = 0.1	x: 0.347 m η = 1.0	x: 0.348 m η = 0.9	x: 0.348 m η = 3.9	η = 1.1	x: 0.347 m η = 0.4	x: 0.348 m η = 1.3	x: 0.348 m η = 4.0	x: 0.348 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 6.1	x: 0.348 m η = 2.9	x: 0.348 m η = 5.3	**CUMPLE h = 6.1**
N574/N546	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.3	x: 0.2 m η = 0.5	x: 0.045 m η = 1.2	x: 0.045 m η = 0.6	η = 0.2	x: 0.354 m η = 0.6	x: 0.045 m η = 1.5	x: 0.045 m η = 0.9	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 2.2	x: 0.355 m η = 2.0	**CUMPLE h = 2.2**
N575/N547	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.6	x: 0.045 m η = 0.3	η = 0.7	x: 0.348 m η = 1.3	x: 0.348 m η = 3.9	η = 1.0	x: 0.347 m η = 0.6	x: 0.348 m η = 1.5	x: 0.348 m η = 3.9	x: 0.348 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 6.4	x: 0.348 m η = 2.8	x: 0.348 m η = 5.4	**CUMPLE h = 6.4**
N576/N548	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.2	x: 0.045 m η = 0.4	x: 0.045 m η = 2.9	x: 0.045 m η = 0.5	x: 0.354 m η = 0.1	x: 0.354 m η = 1.3	x: 0.045 m η = 3.1	x: 0.045 m η = 0.6	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 4.9	x: 0.045 m η = 1.8	x: 0.045 m η = 4.1	**CUMPLE h = 4.9**
N568/N549	w / t ≤(w / t)máx. Cumple	x: 0.355 m η = 1.1	x: 0.046 m η = 2.0	η = 0.3	x: 0.356 m η = 3.5	x: 0.046 m η = 0.5	x: 0.201 m η = 0.3	η = 1.4	x: 0.356 m η = 3.4	x: 0.046 m η = 0.6	x: 0.356 m η = 0.1	x: 0.046 m η < 0.1	x: 0.356 m η = 5.1	x: 0.356 m η = 4.6	x: 0.356 m η = 5.4	**CUMPLE h = 5.4**
N567/N559	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.2	x: 0.045 m η = 0.4	x: 0.045 m η = 2.9	x: 0.045 m η = 0.5	x: 0.354 m η = 0.1	x: 0.354 m η = 1.3	x: 0.045 m η = 3.1	x: 0.045 m η = 0.6	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 4.8	x: 0.045 m η = 1.7	x: 0.045 m η = 4.0	**CUMPLE h = 4.8**
N566/N558	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.7	x: 0.045 m η = 0.3	η = 0.6	x: 0.348 m η = 1.3	x: 0.348 m η = 3.9	η = 1.0	x: 0.347 m η = 0.6	x: 0.348 m η = 1.5	x: 0.348 m η = 3.9	x: 0.348 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 6.5	x: 0.348 m η = 2.7	x: 0.348 m η = 5.4	**CUMPLE h = 6.5**
N565/N557	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.4	x: 0.045 m η = 0.3	x: 0.2 m η = 0.5	x: 0.045 m η = 1.2	x: 0.045 m η = 0.6	η = 0.2	x: 0.354 m η = 0.6	x: 0.045 m η = 1.5	x: 0.045 m η = 0.9	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 2.2	x: 0.355 m η = 2.0	**CUMPLE h = 2.2**
N564/N556	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.4	x: 0.045 m η = 0.1	x: 0.347 m η = 0.9	x: 0.348 m η = 0.8	x: 0.348 m η = 3.9	η = 1.1	x: 0.045 m η = 0.4	x: 0.348 m η = 1.3	x: 0.348 m η = 4.0	x: 0.348 m η < 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 5.9	x: 0.348 m η = 2.9	x: 0.348 m η = 5.3	**CUMPLE h = 5.9**
N563/N555	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.2	η = 0.5	x: 0.045 m η = 1.7	x: 0.355 m η = 0.8	η = 0.3	x: 0.2 m η = 0.8	x: 0.045 m η = 1.9	x: 0.045 m η = 1.0	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 3.1	x: 0.045 m η = 2.5	**CUMPLE h = 3.1**
N561/N553	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.1	x: 0.2 m η = 0.5	x: 0.045 m η = 3.2	x: 0.355 m η = 1.2	x: 0.045 m η = 0.5	x: 0.045 m η = 1.6	x: 0.045 m η = 3.4	x: 0.045 m η = 1.5	x: 0.045 m η = 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 6.1	x: 0.045 m η = 2.0	x: 0.045 m η = 4.3	**CUMPLE h = 6.1**
N560/N552	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.6	x: 0.045 m η = 0.8	η = 1.5	x: 0.045 m η = 5.8	x: 0.348 m η = 5.6	x: 0.347 m η = 2.8	x: 0.045 m η = 2.7	x: 0.045 m η = 6.4	x: 0.348 m η = 6.1	x: 0.045 m η = 0.5	x: 0.348 m η = 0.5	x: 0.045 m η = 12.1	x: 0.045 m η = 13.0	x: 0.045 m η = 10.4	**CUMPLE h = 13.0**
N478/N551	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.9	x: 0.058 m η = 1.4	η = 1.5	x: 0.355 m η = 2.3	x: 0.058 m η = 8.0	η = 2.2	x: 0.354 m η = 1.0	x: 0.355 m η = 2.3	x: 0.058 m η = 8.6	x: 0.355 m η = 0.1	x: 0.058 m η = 0.8	x: 0.058 m η = 12.4	x: 0.058 m η = 11.0	x: 0.058 m η = 10.7	**CUMPLE h = 12.4**
N404/N520	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.5	x: 0.352 m η = 47.6	x: 0.352 m η = 2.6	η = 1.3	x: 0.352 m η = 23.7	x: 0.352 m η = 48.3	x: 0.352 m η = 3.2	x: 0.352 m η = 29.0	x: 0.352 m η = 0.1	x: 0.352 m η = 64.4	x: 0.352 m η = 51.5	x: 0.352 m η = 59.5	**CUMPLE h = 64.4**
N414/N530	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 1.0	x: 0.352 m η = 38.5	x: 0.352 m η = 4.3	η = 2.2	x: 0.352 m η = 19.2	x: 0.352 m η = 38.8	x: 0.352 m η = 4.7	x: 0.352 m η = 18.8	x: 0.352 m η = 0.3	x: 0.045 m η = 54.1	x: 0.352 m η = 43.6	x: 0.352 m η = 48.3	**CUMPLE h = 54.1**
N405/N521	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.352 m η = 40.0	x: 0.045 m η = 7.2	η = 3.6	x: 0.352 m η = 20.0	x: 0.352 m η = 40.1	x: 0.045 m η = 7.3	x: 0.352 m η = 20.1	x: 0.045 m η = 0.7	x: 0.352 m η = 59.2	x: 0.045 m η = 47.1	x: 0.352 m η = 50.8	**CUMPLE h = 59.2**
N415/N531	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.5	x: 0.352 m η = 49.4	x: 0.045 m η = 8.4	η = 4.2	x: 0.352 m η = 24.6	x: 0.352 m η = 49.4	x: 0.045 m η = 8.4	x: 0.352 m η = 30.4	x: 0.045 m η = 0.9	x: 0.352 m η = 72.2	x: 0.352 m η = 57.7	x: 0.352 m η = 62.5	**CUMPLE h = 72.2**
N406/N522	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.352 m η = 47.5	x: 0.045 m η = 5.7	η = 2.8	x: 0.352 m η = 23.7	x: 0.352 m η = 47.8	x: 0.045 m η = 6.0	x: 0.352 m η = 28.5	x: 0.045 m η = 0.4	x: 0.352 m η = 67.1	x: 0.352 m η = 53.7	x: 0.352 m η = 59.7	**CUMPLE h = 67.1**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_y	V_x	M_xTr	M_yTr	M_xV_x	M_yV_x	MT	MP	TPTrMV	
N416/N532	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.352 m η = 42.0	x: 0.352 m η = 4.8	η = 2.4	x: 0.352 m η = 21.0	x: 0.352 m η = 42.3	x: 0.352 m η = 5.0	x: 0.352 m η = 22.3	x: 0.045 m η = 0.3	x: 0.352 m η = 59.0	x: 0.045 m η = 46.9	x: 0.352 m η = 52.7	**CUMPLE h = 59.0**
N407/N523	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.352 m η = 42.1	x: 0.045 m η = 3.4	η = 1.7	x: 0.352 m η = 21.0	x: 0.352 m η = 42.2	x: 0.045 m η = 3.5	x: 0.352 m η = 22.2	x: 0.045 m η = 0.2	x: 0.352 m η = 57.1	x: 0.045 m η = 45.4	x: 0.352 m η = 52.6	**CUMPLE h = 57.1**
N417/N533	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.8	x: 0.352 m η = 51.5	x: 0.045 m η = 4.1	η = 2.1	x: 0.352 m η = 25.7	x: 0.352 m η = 51.6	x: 0.045 m η = 4.3	x: 0.352 m η = 33.3	x: 0.045 m η = 0.2	x: 0.352 m η = 69.8	x: 0.045 m η = 55.5	x: 0.352 m η = 64.4	**CUMPLE h = 69.8**
N408/N524	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.352 m η = 47.7	x: 0.352 m η = 2.4	η = 1.2	x: 0.352 m η = 23.8	x: 0.352 m η = 48.0	x: 0.352 m η = 2.7	x: 0.352 m η = 28.7	x: 0.352 m η = 0.1	x: 0.352 m η = 63.2	x: 0.352 m η = 50.6	x: 0.352 m η = 59.7	**CUMPLE h = 63.2**
N418/N534	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.352 m η = 41.5	x: 0.352 m η = 2.0	η = 1.0	x: 0.352 m η = 20.7	x: 0.352 m η = 41.7	x: 0.352 m η = 2.2	x: 0.352 m η = 21.7	x: 0.045 m η = 0.1	x: 0.352 m η = 54.8	x: 0.352 m η = 43.9	x: 0.352 m η = 51.8	**CUMPLE h = 54.8**
N409/N525	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.352 m η = 42.1	x: 0.045 m η = 0.7	η = 0.3	x: 0.352 m η = 21.0	x: 0.352 m η = 42.2	x: 0.045 m η = 0.8	x: 0.352 m η = 22.2	x: 0.045 m η < 0.1	x: 0.352 m η = 53.6	x: 0.352 m η = 42.6	x: 0.352 m η = 52.6	**CUMPLE h = 53.6**
N419/N535	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.8	x: 0.352 m η = 51.4	x: 0.045 m η = 0.8	η = 0.4	x: 0.352 m η = 25.6	x: 0.352 m η = 51.6	x: 0.045 m η = 1.0	x: 0.352 m η = 33.2	x: 0.045 m η < 0.1	x: 0.352 m η = 65.5	x: 0.352 m η = 52.2	x: 0.352 m η = 64.3	**CUMPLE h = 65.5**
N410/N526	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.045 m η = 47.6	x: 0.045 m η = 1.1	η = 0.5	x: 0.351 m η = 23.7	x: 0.045 m η = 47.9	x: 0.045 m η = 1.4	x: 0.045 m η = 28.6	x: 0.045 m η < 0.1	x: 0.045 m η = 61.0	x: 0.045 m η = 49.3	x: 0.045 m η = 59.6	**CUMPLE h = 61.0**
N420/N536	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.045 m η = 41.6	x: 0.045 m η = 0.9	η = 0.4	x: 0.352 m η = 20.7	x: 0.045 m η = 41.9	x: 0.045 m η = 1.1	x: 0.045 m η = 21.8	x: 0.045 m η < 0.1	x: 0.045 m η = 53.3	x: 0.045 m η = 43.0	x: 0.045 m η = 52.1	**CUMPLE h = 53.3**
N411/N527	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.2	x: 0.198 m η = 0.2	η = 0.7	x: 0.352 m η = 38.7	x: 0.352 m η = 2.2	x: 0.198 m η = 1.1	x: 0.198 m η = 19.3	x: 0.352 m η = 38.7	x: 0.352 m η = 2.2	x: 0.352 m η = 18.6	x: 0.352 m η = 0.1	x: 0.352 m η = 51.4	x: 0.352 m η = 40.8	x: 0.352 m η = 48.5	**CUMPLE h = 51.4**
N421/N537	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 0.7	x: 0.352 m η = 48.6	x: 0.352 m η = 2.6	η = 1.3	x: 0.352 m η = 24.1	x: 0.352 m η = 48.6	x: 0.352 m η = 2.7	x: 0.352 m η = 29.5	x: 0.352 m η = 0.1	x: 0.352 m η = 64.3	x: 0.352 m η = 51.0	x: 0.352 m η = 60.9	**CUMPLE h = 64.3**
N412/N528	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.351 m η = 0.8	x: 0.351 m η = 0.8	η = 0.5	x: 0.045 m η = 37.9	x: 0.045 m η = 4.6	x: 0.351 m η = 2.2	x: 0.351 m η = 18.3	x: 0.045 m η = 38.1	x: 0.045 m η = 4.8	x: 0.045 m η = 17.9	x: 0.045 m η = 0.3	x: 0.045 m η = 53.9	x: 0.045 m η = 43.8	x: 0.045 m η = 48.4	**CUMPLE h = 53.9**
N422/N538	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 0.5	x: 0.045 m η = 0.6	η = 0.5	x: 0.045 m η = 34.4	x: 0.352 m η = 4.5	x: 0.045 m η = 2.2	x: 0.352 m η = 16.7	x: 0.045 m η = 34.6	x: 0.352 m η = 4.7	x: 0.045 m η = 14.7	x: 0.352 m η = 0.3	x: 0.045 m η = 48.5	x: 0.045 m η = 39.5	x: 0.045 m η = 43.8	**CUMPLE h = 48.5**
N394/N510	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 1.0	x: 0.352 m η = 38.3	x: 0.045 m η = 4.4	η = 2.2	x: 0.352 m η = 19.1	x: 0.352 m η = 38.7	x: 0.045 m η = 4.8	x: 0.352 m η = 18.6	x: 0.045 m η = 0.3	x: 0.352 m η = 54.3	x: 0.045 m η = 43.2	x: 0.352 m η = 48.0	**CUMPLE h = 54.3**
N384/N500	x: 0.045 m w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	N.P.[1]	η = 1.5	x: 0.352 m η = 47.4	x: 0.045 m η = 2.7	η = 1.3	x: 0.352 m η = 23.6	x: 0.352 m η = 48.1	x: 0.045 m η = 3.3	x: 0.352 m η = 28.7	x: 0.045 m η = 0.1	x: 0.352 m η = 64.2	N.P.[2]	x: 0.352 m η = 59.3	**CUMPLE h = 64.2**
N395/N511	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.5	x: 0.352 m η = 49.6	x: 0.045 m η = 8.3	η = 4.1	x: 0.352 m η = 24.7	x: 0.352 m η = 49.7	x: 0.045 m η = 8.3	x: 0.352 m η = 30.8	x: 0.045 m η = 0.9	x: 0.352 m η = 72.3	x: 0.352 m η = 57.9	x: 0.352 m η = 62.8	**CUMPLE h = 72.3**
N385/N501	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.352 m η = 39.8	x: 0.352 m η = 7.1	η = 3.5	x: 0.352 m η = 19.9	x: 0.352 m η = 39.9	x: 0.352 m η = 7.2	x: 0.352 m η = 19.9	x: 0.045 m η = 0.6	x: 0.352 m η = 58.8	x: 0.352 m η = 47.0	x: 0.352 m η = 50.5	**CUMPLE h = 58.8**
N396/N512	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.352 m η = 42.2	x: 0.045 m η = 4.6	η = 2.3	x: 0.352 m η = 21.0	x: 0.352 m η = 42.4	x: 0.045 m η = 4.9	x: 0.352 m η = 22.4	x: 0.045 m η = 0.3	x: 0.352 m η = 59.0	x: 0.045 m η = 46.9	x: 0.352 m η = 52.8	**CUMPLE h = 59.0**
N386/N502	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.352 m η = 47.6	x: 0.045 m η = 5.6	η = 2.8	x: 0.352 m η = 23.7	x: 0.352 m η = 47.9	x: 0.045 m η = 5.9	x: 0.352 m η = 28.6	x: 0.045 m η = 0.4	x: 0.352 m η = 67.1	x: 0.352 m η = 53.7	x: 0.352 m η = 59.7	**CUMPLE h = 67.1**
N397/N513	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.1	η = 0.8	x: 0.352 m η = 51.6	x: 0.352 m η = 4.2	η = 2.1	x: 0.352 m η = 25.7	x: 0.352 m η = 51.7	x: 0.352 m η = 4.3	x: 0.352 m η = 33.4	x: 0.352 m η = 0.2	x: 0.352 m η = 70.0	x: 0.045 m η = 55.7	x: 0.352 m η = 64.6	**CUMPLE h = 70.0**
N387/N503	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.8	x: 0.352 m η = 39.7	x: 0.352 m η = 3.3	x: 0.198 m η = 1.6	x: 0.198 m η = 19.8	x: 0.352 m η = 39.8	x: 0.352 m η = 3.4	x: 0.352 m η = 19.8	x: 0.352 m η = 0.1	x: 0.352 m η = 53.9	x: 0.045 m η = 42.8	x: 0.352 m η = 49.7	**CUMPLE h = 53.9**
N398/N514	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.6	x: 0.352 m η = 41.1	x: 0.352 m η = 1.9	x: 0.198 m η = 0.9	x: 0.198 m η = 20.5	x: 0.352 m η = 41.3	x: 0.352 m η = 2.1	x: 0.352 m η = 21.3	x: 0.045 m η = 0.1	x: 0.352 m η = 54.2	x: 0.352 m η = 43.4	x: 0.352 m η = 51.3	**CUMPLE h = 54.2**
N388/N504	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.352 m η = 47.3	x: 0.352 m η = 2.3	η = 1.2	x: 0.352 m η = 23.6	x: 0.352 m η = 47.6	x: 0.352 m η = 2.6	x: 0.352 m η = 28.2	x: 0.045 m η = 0.1	x: 0.352 m η = 62.6	x: 0.352 m η = 50.1	x: 0.352 m η = 59.2	**CUMPLE h = 62.6**
N399/N515	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.8	x: 0.352 m η = 51.0	x: 0.045 m η = 0.7	η = 0.4	x: 0.352 m η = 25.4	x: 0.352 m η = 51.2	x: 0.045 m η = 0.9	x: 0.352 m η = 32.7	x: 0.045 m η < 0.1	x: 0.352 m η = 64.9	x: 0.352 m η = 51.6	x: 0.352 m η = 63.8	**CUMPLE h = 64.9**
N389/N505	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.7	x: 0.352 m η = 41.6	x: 0.045 m η = 0.6	η = 0.3	x: 0.352 m η = 20.7	x: 0.352 m η = 41.7	x: 0.045 m η = 0.7	x: 0.352 m η = 21.7	x: 0.045 m η < 0.1	x: 0.352 m η = 52.8	x: 0.352 m η = 42.0	x: 0.352 m η = 51.9	**CUMPLE h = 52.8**
N390/N506	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.1	x: 0.198 m η = 0.1	η = 0.7	x: 0.045 m η = 47.1	x: 0.045 m η = 0.9	η = 0.5	x: 0.352 m η = 23.5	x: 0.045 m η = 47.4	x: 0.045 m η = 1.2	x: 0.045 m η = 28.0	x: 0.045 m η < 0.1	x: 0.045 m η = 60.9	x: 0.045 m η = 48.1	x: 0.045 m η = 59.0	**CUMPLE h = 60.9**
N400/N516	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η < 0.1	x: 0.198 m η < 0.1	η = 0.6	x: 0.045 m η = 40.8	x: 0.045 m η = 0.8	x: 0.198 m η = 0.4	x: 0.198 m η = 20.4	x: 0.045 m η = 41.0	x: 0.045 m η = 1.1	x: 0.045 m η = 20.9	x: 0.045 m η < 0.1	x: 0.045 m η = 52.1	x: 0.045 m η = 42.1	x: 0.045 m η = 51.0	**CUMPLE h = 52.1**
N391/N507	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η = 0.2	x: 0.198 m η = 0.2	η = 0.6	x: 0.352 m η = 36.9	x: 0.352 m η = 2.2	x: 0.198 m η = 1.1	x: 0.198 m η = 18.5	x: 0.352 m η = 37.0	x: 0.352 m η = 2.2	x: 0.352 m η = 17.0	x: 0.352 m η = 0.1	x: 0.352 m η = 49.2	x: 0.352 m η = 39.0	x: 0.352 m η = 46.4	**CUMPLE h = 49.2**
N401/N517	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 0.7	x: 0.352 m η = 47.1	x: 0.352 m η = 2.7	η = 1.3	x: 0.352 m η = 23.4	x: 0.352 m η = 47.2	x: 0.352 m η = 2.7	x: 0.352 m η = 27.7	x: 0.352 m η = 0.1	x: 0.352 m η = 62.5	x: 0.352 m η = 49.5	x: 0.352 m η = 59.1	**CUMPLE h = 62.5**
N392/N508	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.351 m η = 0.7	x: 0.351 m η = 0.8	η = 0.6	x: 0.045 m η = 36.1	x: 0.045 m η = 4.5	x: 0.351 m η = 2.1	x: 0.351 m η = 17.5	x: 0.045 m η = 36.4	x: 0.045 m η = 4.7	x: 0.045 m η = 16.3	x: 0.045 m η = 0.3	x: 0.045 m η = 51.4	x: 0.045 m η = 41.9	x: 0.045 m η = 46.2	**CUMPLE h = 51.4**
N402/N518	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 0.5	x: 0.045 m η = 0.6	η = 0.5	x: 0.045 m η = 33.4	x: 0.352 m η = 4.4	x: 0.045 m η = 2.1	x: 0.352 m η = 16.1	x: 0.045 m η = 33.6	x: 0.352 m η = 4.6	x: 0.045 m η = 13.9	x: 0.352 m η = 0.3	x: 0.045 m η = 46.9	x: 0.045 m η = 38.3	x: 0.045 m η = 42.5	**CUMPLE h = 46.9**
N352/N468	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	η < 0.1	η = 0.3	x: 0.352 m η = 1.0	x: 0.352 m η = 2.4	η = 1.2	x: 0.352 m η = 0.5	x: 0.352 m η = 1.0	x: 0.352 m η = 2.5	x: 0.352 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 3.4	x: 0.352 m η = 2.7	x: 0.352 m η = 3.1	**CUMPLE h = 3.4**
N351/N467	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 0.7	x: 0.045 m η = 2.1	x: 0.198 m η = 1.1	x: 0.352 m η = 0.4	x: 0.045 m η = 0.7	x: 0.045 m η = 2.2	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 2.9	x: 0.045 m η = 2.4	x: 0.045 m η = 2.6	**CUMPLE h = 2.9**
N350/N466	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.352 m η = 0.5	x: 0.352 m η = 2.4	η = 1.2	x: 0.352 m η = 0.3	x: 0.352 m η = 0.6	x: 0.352 m η = 2.4	x: 0.352 m η < 0.1	x: 0.352 m η = 0.1	x: 0.352 m η = 3.7	x: 0.352 m η = 2.9	x: 0.352 m η = 3.0	**CUMPLE h = 3.7**
N353/N469	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 0.9	x: 0.045 m η = 2.3	η = 1.2	x: 0.045 m η = 0.5	x: 0.045 m η = 0.9	x: 0.045 m η = 2.4	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 3.2	x: 0.045 m η = 2.5	x: 0.045 m η = 2.9	**CUMPLE h = 3.2**
N349/N465	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 1.2	x: 0.045 m η = 1.8	x: 0.045 m η = 0.9	x: 0.352 m η = 0.6	x: 0.045 m η = 1.3	x: 0.045 m η = 1.8	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	x: 0.045 m η = 2.5	x: 0.045 m η = 2.5	x: 0.045 m η = 2.2	**CUMPLE h = 2.5**
N348/N464	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 0.1	x: 0.045 m η = 0.1	η = 0.5	x: 0.352 m η = 0.8	x: 0.352 m η = 1.7	x: 0.351 m η = 0.9	x: 0.045 m η = 0.4	x: 0.352 m η = 0.9	x: 0.352 m η = 1.7	x: 0.351 m η < 0.1	x: 0.352 m η < 0.1	x: 0.352 m η = 3.0	x: 0.352 m η = 2.4	x: 0.352 m η = 2.3	**CUMPLE h = 3.0**
N347/N463	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.4	x: 0.351 m η = 1.9	x: 0.045 m η = 5.9	x: 0.045 m η = 3.2	x: 0.351 m η = 1.3	x: 0.045 m η = 2.9	x: 0.045 m η = 6.7	x: 0.045 m η = 4.0	x: 0.045 m η = 0.5	x: 0.045 m η = 0.2	x: 0.045 m η = 13.8	x: 0.045 m η = 10.9	x: 0.045 m η = 8.7	**CUMPLE h = 13.8**
N366/N482	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.1	x: 0.351 m η = 1.3	x: 0.045 m η = 8.1	x: 0.045 m η = 2.2	x: 0.045 m η = 1.1	x: 0.045 m η = 3.9	x: 0.045 m η = 8.7	x: 0.045 m η = 2.8	x: 0.045 m η = 0.9	x: 0.045 m η = 0.1	x: 0.045 m η = 13.9	x: 0.045 m η = 11.4	x: 0.045 m η = 10.5	**CUMPLE h = 13.9**
N367/N483	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	x: 0.351 m η = 0.6	x: 0.045 m η = 0.6	x: 0.352 m η = 5.9	x: 0.198 m η = 2.9	x: 0.045 m η = 0.3	x: 0.045 m η = 0.9	x: 0.352 m η = 6.1	x: 0.045 m η < 0.1	x: 0.352 m η = 0.5	x: 0.045 m η = 8.6	x: 0.045 m η = 6.9	x: 0.352 m η = 7.3	**CUMPLE h = 8.6**
N368/N484	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η < 0.1	x: 0.198 m η < 0.1	η = 0.3	x: 0.352 m η = 1.5	x: 0.045 m η = 5.8	η = 2.9	x: 0.352 m η = 0.8	x: 0.352 m η = 1.6	x: 0.045 m η = 6.0	x: 0.352 m η < 0.1	x: 0.045 m η = 0.4	x: 0.352 m η = 9.4	x: 0.352 m η = 7.5	x: 0.045 m η = 7.5	**CUMPLE h = 9.4**
N369/N485	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 0.4	x: 0.352 m η = 4.4	η = 2.2	x: 0.352 m η = 0.2	x: 0.045 m η = 0.5	x: 0.352 m η = 4.5	x: 0.045 m η < 0.1	x: 0.352 m η = 0.3	x: 0.352 m η = 6.3	x: 0.352 m η = 5.0	x: 0.352 m η = 5.5	**CUMPLE h = 6.3**
N370/N486	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.3	η = 0.3	x: 0.045 m η = 0.7	x: 0.045 m η = 2.7	η = 1.4	x: 0.352 m η = 0.4	x: 0.045 m η = 0.7	x: 0.045 m η = 2.8	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 4.5	x: 0.045 m η = 3.7	x: 0.045 m η = 3.8	**CUMPLE h = 4.5**
N371/N487	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.352 m η = 0.8	x: 0.045 m η = 2.2	η = 1.1	x: 0.352 m η = 0.4	x: 0.352 m η = 0.8	x: 0.045 m η = 2.2	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 2.9	x: 0.045 m η = 1.8	x: 0.045 m η = 2.7	**CUMPLE h = 2.9**
N372/N488	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	N.P.[1]	η = 0.3	x: 0.045 m η = 1.1	x: 0.352 m η = 2.4	η = 1.2	x: 0.045 m η = 0.6	x: 0.045 m η = 1.1	x: 0.352 m η = 2.4	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 3.1	N.P.[2]	x: 0.352 m η = 3.0	**CUMPLE h = 3.1**
N373/N489	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	N.P.[1]	η = 0.2	x: 0.045 m η = 0.7	x: 0.045 m η = 2.1	η = 1.1	x: 0.352 m η = 0.4	x: 0.045 m η = 0.8	x: 0.045 m η = 2.2	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 2.8	N.P.[2]	x: 0.045 m η = 2.6	**CUMPLE h = 2.8**
N374/N490	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.352 m η = 1.5	x: 0.045 m η = 2.3	η = 1.2	x: 0.045 m η = 0.7	x: 0.352 m η = 1.5	x: 0.045 m η = 2.4	x: 0.352 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 3.0	x: 0.352 m η = 2.6	x: 0.045 m η = 2.9	**CUMPLE h = 3.0**
N375/N491	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	N.P.[1]	η = 0.2	x: 0.045 m η = 0.6	x: 0.352 m η = 2.1	η = 1.1	x: 0.352 m η = 0.3	x: 0.045 m η = 0.6	x: 0.352 m η = 2.2	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 3.0	N.P.[2]	x: 0.352 m η = 2.6	**CUMPLE h = 3.0**
N376/N492	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	N.P.[1]	η = 0.3	x: 0.045 m η = 1.2	x: 0.045 m η = 2.4	η = 1.2	x: 0.352 m η = 0.6	x: 0.045 m η = 1.2	x: 0.045 m η = 2.4	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 4.5	N.P.[2]	x: 0.352 m η = 3.3	**CUMPLE h = 4.5**
N377/N493	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 0.5	x: 0.045 m η = 2.8	η = 1.4	x: 0.352 m η = 0.3	x: 0.045 m η = 0.5	x: 0.045 m η = 2.8	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 4.2	x: 0.045 m η = 3.3	x: 0.045 m η = 3.5	**CUMPLE h = 4.2**
N378/N494	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.2	η = 0.3	x: 0.352 m η = 1.1	x: 0.045 m η = 5.2	x: 0.198 m η = 2.6	x: 0.352 m η = 0.6	x: 0.352 m η = 1.2	x: 0.045 m η = 5.3	x: 0.352 m η < 0.1	x: 0.045 m η = 0.4	x: 0.045 m η = 8.4	x: 0.045 m η = 6.7	x: 0.045 m η = 6.9	**CUMPLE h = 8.4**
N379/N495	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.198 m η < 0.1	x: 0.198 m η < 0.1	x: 0.351 m η = 0.6	x: 0.045 m η = 0.9	x: 0.352 m η = 6.4	x: 0.351 m η = 3.2	x: 0.045 m η = 0.4	x: 0.045 m η = 1.1	x: 0.352 m η = 6.7	x: 0.045 m η < 0.1	x: 0.352 m η = 0.6	x: 0.045 m η = 9.7	x: 0.045 m η = 4.1	x: 0.352 m η = 8.1	**CUMPLE h = 9.7**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N380/N496	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 1.4	x: 0.045 m η = 8.8	x: 0.045 m η = 2.9	η = 1.4	x: 0.045 m η = 4.3	x: 0.045 m η = 9.4	x: 0.352 m η = 3.5	x: 0.045 m η = 1.1	x: 0.352 m η = 0.1	x: 0.045 m η = 15.4	x: 0.045 m η = 12.6	x: 0.045 m η = 11.5	**CUMPLE h = 15.4**
N361/N477	w / t ≤(w / t)máx. Cumple	η = 0.4	η = 0.4	x: 0.351 m η = 2.0	x: 0.045 m η = 6.3	x: 0.045 m η = 4.0	x: 0.351 m η = 1.7	x: 0.045 m η = 3.1	x: 0.045 m η = 7.2	x: 0.045 m η = 4.9	x: 0.045 m η = 0.6	x: 0.045 m η = 0.3	x: 0.045 m η = 15.5	x: 0.045 m η = 12.0	x: 0.045 m η = 9.8	**CUMPLE h = 15.5**
N360/N476	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 0.5	x: 0.352 m η = 0.9	x: 0.352 m η = 1.3	x: 0.045 m η = 0.6	x: 0.045 m η = 0.5	x: 0.352 m η = 1.1	x: 0.352 m η = 1.5	x: 0.352 m η < 0.1	x: 0.352 m η < 0.1	N.P.(4)	x: 0.352 m η = 2.6	x: 0.352 m η = 1.9	**CUMPLE h = 2.6**
N359/N475	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 1.0	x: 0.045 m η = 1.5	η = 0.7	x: 0.352 m η = 0.5	x: 0.045 m η = 1.1	x: 0.045 m η = 1.6	x: 0.045 m η < 0.1	x: 0.045 m η < 0.1	N.P.(4)	x: 0.045 m η = 2.2	x: 0.045 m η = 1.8	**CUMPLE h = 2.2**
N358/N474	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.352 m η = 0.6	x: 0.352 m η = 2.1	η = 1.1	x: 0.352 m η = 0.3	x: 0.352 m η = 0.6	x: 0.352 m η = 2.2	x: 0.352 m η < 0.1	x: 0.352 m η = 0.1	x: 0.352 m η = 3.1	x: 0.352 m η = 2.5	x: 0.352 m η = 2.7	**CUMPLE h = 3.1**
N357/N473	w / t ≤(w / t)máx. Cumple	N.P.(3)	η < 0.1	η = 0.3	x: 0.045 m η = 1.0	x: 0.045 m η = 2.1	η = 1.1	x: 0.352 m η = 0.5	x: 0.045 m η = 1.0	x: 0.045 m η = 2.2	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.045 m η = 2.9	x: 0.045 m η = 2.5	x: 0.045 m η = 2.7	**CUMPLE h = 2.9**
N356/N472	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 0.7	x: 0.352 m η = 2.3	x: 0.351 m η = 1.1	x: 0.352 m η = 0.4	x: 0.045 m η = 0.7	x: 0.352 m η = 2.4	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 3.3	x: 0.352 m η = 2.6	x: 0.352 m η = 2.9	**CUMPLE h = 3.3**
N355/N471	w / t ≤(w / t)máx. Cumple	η = 0.2	η = 0.3	η = 0.2	x: 0.352 m η = 1.3	x: 0.045 m η = 2.2	η = 1.1	x: 0.045 m η = 0.7	x: 0.352 m η = 1.3	x: 0.045 m η = 2.3	x: 0.352 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 3.0	x: 0.352 m η = 2.4	x: 0.045 m η = 2.7	**CUMPLE h = 3.0**
N354/N470	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 0.8	x: 0.352 m η = 2.5	η = 1.2	x: 0.352 m η = 0.4	x: 0.045 m η = 0.9	x: 0.352 m η = 2.6	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	x: 0.352 m η = 3.3	x: 0.352 m η = 2.7	x: 0.352 m η = 3.1	**CUMPLE h = 3.3**
N423/N539	w / t ≤(w / t)máx. Cumple	η = 1.0	η = 1.1	η = 0.2	x: 0.352 m η = 9.6	x: 0.045 m η = 4.1	x: 0.045 m η = 2.0	x: 0.352 m η = 4.2	x: 0.352 m η = 9.7	x: 0.045 m η = 4.1	x: 0.352 m η = 1.1	x: 0.045 m η = 0.2	x: 0.352 m η = 12.7	x: 0.352 m η = 11.9	x: 0.352 m η = 13.1	**CUMPLE h = 13.1**
N424/N540	w / t ≤(w / t)máx. Cumple	x: 0.198 m η = 0.4	x: 0.198 m η = 0.4	x: 0.351 m η = 0.2	x: 0.045 m η = 4.1	x: 0.352 m η = 5.8	x: 0.351 m η = 2.8	x: 0.352 m η = 1.6	x: 0.045 m η = 4.2	x: 0.352 m η = 5.8	x: 0.045 m η = 0.2	x: 0.352 m η = 0.4	x: 0.045 m η = 12.4	x: 0.045 m η = 9.7	x: 0.045 m η = 8.8	**CUMPLE h = 12.4**
N425/N541	w / t ≤(w / t)máx. Cumple	η = 0.9	η = 0.6	η = 1.3	x: 0.045 m η = 11.5	x: 0.045 m η = 19.7	x: 0.198 m η = 9.7	x: 0.045 m η = 5.0	x: 0.045 m η = 12.0	x: 0.045 m η = 20.2	x: 0.045 m η = 1.7	x: 0.045 m η = 5.0	x: 0.045 m η = 39.4	x: 0.352 m η = 30.2	x: 0.045 m η = 27.9	**CUMPLE h = 39.4**
N426/N542	w / t ≤(w / t)máx. Cumple	η = 0.1	η < 0.1	η = 1.9	x: 0.352 m η = 6.1	x: 0.045 m η = 21.7	x: 0.198 m η = 10.8	x: 0.352 m η = 2.9	x: 0.352 m η = 6.9	x: 0.045 m η = 22.5	x: 0.352 m η = 0.6	x: 0.045 m η = 6.2	x: 0.352 m η = 36.5	x: 0.045 m η = 27.8	x: 0.045 m η = 28.0	**CUMPLE h = 36.5**
N427/N543	w / t ≤(w / t)máx. Cumple	η = 0.6	η = 0.5	η = 1.7	x: 0.352 m η = 8.1	x: 0.045 m η = 21.5	η = 10.7	x: 0.352 m η = 3.8	x: 0.352 m η = 8.9	x: 0.045 m η = 22.2	x: 0.352 m η = 0.9	x: 0.045 m η = 6.1	x: 0.352 m η = 39.3	x: 0.045 m η = 28.9	x: 0.352 m η = 29.1	**CUMPLE h = 39.3**
N428/N544	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.7	x: 0.352 m η = 4.5	x: 0.045 m η = 16.0	η = 8.0	x: 0.352 m η = 2.2	x: 0.352 m η = 5.2	x: 0.045 m η = 16.8	x: 0.352 m η = 0.3	x: 0.045 m η = 3.5	x: 0.352 m η = 27.3	x: 0.045 m η = 21.2	x: 0.045 m η = 20.7	**CUMPLE h = 27.3**
N429/N545	w / t ≤(w / t)máx. Cumple	x: 0.198 m η = 0.6	x: 0.198 m η = 0.5	x: 0.045 m η = 1.5	x: 0.352 m η = 5.1	x: 0.352 m η = 15.2	x: 0.045 m η = 7.5	x: 0.352 m η = 2.1	x: 0.352 m η = 5.4	x: 0.352 m η = 15.8	x: 0.352 m η = 0.3	x: 0.352 m η = 3.1	x: 0.352 m η = 26.9	x: 0.045 m η = 19.6	x: 0.352 m η = 20.2	**CUMPLE h = 26.9**
N430/N546	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.4	x: 0.352 m η = 3.2	x: 0.352 m η = 11.3	x: 0.045 m η = 5.6	x: 0.352 m η = 1.5	x: 0.352 m η = 3.8	x: 0.352 m η = 11.9	x: 0.352 m η = 0.2	x: 0.352 m η = 1.7	x: 0.352 m η = 19.0	x: 0.045 m η = 15.3	x: 0.352 m η = 14.5	**CUMPLE h = 19.0**
N431/N547	w / t ≤(w / t)máx. Cumple	x: 0.198 m η = 0.7	x: 0.198 m η = 0.6	x: 0.045 m η = 1.2	x: 0.352 m η = 5.1	x: 0.352 m η = 9.9	x: 0.045 m η = 4.9	x: 0.352 m η = 1.7	x: 0.352 m η = 3.2	x: 0.352 m η = 10.4	x: 0.352 m η = 0.3	x: 0.352 m η = 1.3	x: 0.352 m η = 16.4	x: 0.352 m η = 12.2	x: 0.352 m η = 13.0	**CUMPLE h = 16.4**
N432/N548	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	x: 0.045 m η = 0.9	x: 0.352 m η = 1.0	x: 0.352 m η = 5.6	x: 0.351 m η = 2.8	x: 0.352 m η = 0.5	x: 0.352 m η = 1.3	x: 0.352 m η = 5.8	x: 0.352 m η < 0.1	x: 0.352 m η = 0.4	x: 0.045 m η = 8.4	x: 0.045 m η = 6.8	x: 0.352 m η = 7.0	**CUMPLE h = 8.4**
N433/N549	w / t ≤(w / t)máx. Cumple	η = 0.8	η = 0.5	η = 0.4	x: 0.352 m η = 5.2	x: 0.352 m η = 5.9	x: 0.045 m η = 2.9	x: 0.352 m η = 2.2	x: 0.352 m η = 5.2	x: 0.352 m η = 6.1	x: 0.352 m η = 0.3	x: 0.352 m η = 0.5	x: 0.352 m η = 10.2	x: 0.352 m η = 5.6	x: 0.352 m η = 7.9	**CUMPLE h = 10.2**
N443/N559	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	x: 0.045 m η = 0.8	x: 0.352 m η = 1.0	x: 0.352 m η = 5.7	x: 0.351 m η = 2.8	x: 0.352 m η = 0.5	x: 0.352 m η = 1.2	x: 0.352 m η = 6.0	x: 0.352 m η < 0.1	x: 0.352 m η = 0.4	x: 0.045 m η = 8.7	x: 0.045 m η = 6.4	x: 0.352 m η = 7.2	**CUMPLE h = 8.7**
N442/N558	w / t ≤(w / t)máx. Cumple	η = 0.7	η = 0.6	x: 0.045 m η = 1.1	x: 0.352 m η = 5.1	x: 0.352 m η = 9.6	x: 0.045 m η = 4.7	x: 0.352 m η = 1.7	x: 0.352 m η = 5.1	x: 0.352 m η = 10.0	x: 0.352 m η = 0.3	x: 0.352 m η = 1.2	x: 0.352 m η = 15.5	x: 0.352 m η = 11.9	x: 0.352 m η = 12.5	**CUMPLE h = 15.5**
N441/N557	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.3	x: 0.352 m η = 3.1	x: 0.352 m η = 11.0	x: 0.045 m η = 5.4	x: 0.352 m η = 1.5	x: 0.352 m η = 3.7	x: 0.352 m η = 11.5	x: 0.352 m η = 0.2	x: 0.352 m η = 1.6	x: 0.352 m η = 18.2	x: 0.045 m η = 14.8	x: 0.352 m η = 14.1	**CUMPLE h = 18.2**
N440/N556	w / t ≤(w / t)máx. Cumple	x: 0.198 m η = 0.6	x: 0.198 m η = 0.5	x: 0.045 m η = 1.5	x: 0.352 m η = 5.1	x: 0.352 m η = 14.8	x: 0.045 m η = 7.3	x: 0.352 m η = 2.0	x: 0.352 m η = 5.3	x: 0.352 m η = 15.4	x: 0.352 m η = 0.3	x: 0.352 m η = 2.9	x: 0.352 m η = 26.0	x: 0.045 m η = 19.1	x: 0.352 m η = 19.5	**CUMPLE h = 26.0**
N439/N555	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 1.7	x: 0.352 m η = 4.4	x: 0.045 m η = 15.6	η = 7.7	x: 0.352 m η = 2.1	x: 0.352 m η = 5.1	x: 0.045 m η = 16.3	x: 0.352 m η = 0.3	x: 0.045 m η = 3.3	x: 0.352 m η = 26.6	x: 0.045 m η = 20.7	x: 0.045 m η = 20.1	**CUMPLE h = 26.6**
N438/N554	w / t ≤(w / t)máx. Cumple	η = 0.6	η = 0.5	η = 1.7	x: 0.352 m η = 8.0	x: 0.045 m η = 21.1	η = 10.5	x: 0.352 m η = 3.7	x: 0.352 m η = 8.7	x: 0.045 m η = 21.9	x: 0.352 m η = 0.9	x: 0.045 m η = 5.9	x: 0.352 m η = 38.6	x: 0.045 m η = 28.5	x: 0.352 m η = 28.6	**CUMPLE h = 38.6**
N437/N553	w / t ≤(w / t)máx. Cumple	x: 0.198 m η = 0.1	x: 0.198 m η < 0.1	η = 1.9	x: 0.352 m η = 6.2	x: 0.352 m η = 21.3	x: 0.198 m η = 10.6	x: 0.352 m η = 3.1	x: 0.352 m η = 7.0	x: 0.352 m η = 22.1	x: 0.352 m η = 0.6	x: 0.352 m η = 6.0	x: 0.352 m η = 34.8	x: 0.352 m η = 29.1	x: 0.352 m η = 27.7	**CUMPLE h = 34.8**
N436/N552	w / t ≤(w / t)máx. Cumple	x: 0.198 m η = 0.8	x: 0.198 m η = 0.7	η = 1.4	x: 0.352 m η = 11.5	x: 0.045 m η = 20.9	x: 0.198 m η = 10.3	x: 0.352 m η = 5.7	x: 0.352 m η = 12.1	x: 0.045 m η = 21.5	x: 0.352 m η = 1.8	x: 0.045 m η = 5.7	x: 0.045 m η = 39.7	x: 0.045 m η = 33.9	x: 0.045 m η = 30.1	**CUMPLE h = 39.7**
N435/N551	w / t ≤(w / t)máx. Cumple	x: 0.198 m η = 0.5	x: 0.198 m η = 0.4	x: 0.351 m η = 0.3	x: 0.045 m η = 4.8	x: 0.352 m η = 6.4	x: 0.045 m η = 3.1	x: 0.352 m η = 1.9	x: 0.045 m η = 4.9	x: 0.352 m η = 6.6	x: 0.045 m η = 0.3	x: 0.352 m η = 0.5	x: 0.045 m η = 14.4	x: 0.045 m η = 10.4	x: 0.045 m η = 10.2	**CUMPLE h = 14.4**
N434/N550	w / t ≤(w / t)máx. Cumple	η = 1.0	η = 1.1	η = 0.2	x: 0.352 m η = 9.3	x: 0.045 m η = 4.5	x: 0.045 m η = 2.2	x: 0.045 m η = 4.1	x: 0.352 m η = 9.4	x: 0.045 m η = 4.5	x: 0.352 m η = 1.0	x: 0.045 m η = 0.2	x: 0.352 m η = 11.0	x: 0.352 m η = 10.9	x: 0.352 m η = 12.6	**CUMPLE h = 12.6**
N452/N568	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.3	η = 0.4	x: 0.045 m η = 5.0	x: 0.352 m η = 1.6	x: 0.198 m η = 0.8	x: 0.352 m η = 2.4	x: 0.045 m η = 5.1	x: 0.352 m η = 1.6	x: 0.045 m η = 0.3	x: 0.352 m η < 0.1	N.P.(4)	x: 0.045 m η = 5.3	x: 0.045 m η = 6.4	**CUMPLE h = 6.4**
N451/N567	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 1.1	x: 0.045 m η = 0.8	x: 0.045 m η = 2.6	x: 0.045 m η = 1.3	x: 0.045 m η = 0.4	x: 0.045 m η = 1.3	x: 0.045 m η = 3.0	x: 0.045 m η < 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 4.3	x: 0.045 m η = 3.4	**CUMPLE h = 4.3**
N450/N566	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.3	η = 1.0	x: 0.045 m η = 1.8	x: 0.045 m η = 2.7	x: 0.351 m η = 1.3	x: 0.352 m η = 0.8	x: 0.045 m η = 2.2	x: 0.045 m η = 3.2	x: 0.045 m η = 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 5.3	x: 0.352 m η = 4.0	**CUMPLE h = 5.3**
N448/N564	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.3	η = 1.4	x: 0.352 m η = 1.0	x: 0.045 m η = 1.8	x: 0.045 m η = 0.9	x: 0.198 m η = 0.3	x: 0.352 m η = 1.4	x: 0.045 m η = 2.2	x: 0.352 m η < 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 3.6	x: 0.352 m η = 2.4	**CUMPLE h = 3.6**
N447/N563	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.2	η = 1.8	x: 0.352 m η = 1.6	x: 0.045 m η = 2.4	x: 0.045 m η = 1.2	x: 0.045 m η = 0.8	x: 0.352 m η = 2.3	x: 0.045 m η = 3.1	x: 0.352 m η = 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 5.4	x: 0.352 m η = 3.6	**CUMPLE h = 5.4**
N446/N562	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.3	η = 1.6	x: 0.352 m η = 2.2	x: 0.045 m η = 4.1	x: 0.198 m η = 2.0	x: 0.045 m η = 1.0	x: 0.352 m η = 2.8	x: 0.045 m η = 4.7	x: 0.352 m η = 0.1	x: 0.045 m η = 0.3	x: 0.045 m η = 7.4	x: 0.352 m η = 7.4	x: 0.352 m η = 5.7	**CUMPLE h = 7.4**
N445/N561	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.2	η = 1.9	x: 0.352 m η = 3.6	x: 0.352 m η = 9.9	x: 0.198 m η = 4.9	x: 0.045 m η = 1.7	x: 0.352 m η = 4.2	x: 0.352 m η = 10.6	x: 0.352 m η = 0.2	x: 0.352 m η = 1.4	x: 0.352 m η = 18.6	x: 0.352 m η = 13.4	x: 0.352 m η = 13.2	**CUMPLE h = 18.6**
N444/N560	w / t ≤(w / t)máx. Cumple	η = 0.6	η = 0.7	x: 0.045 m η = 1.9	x: 0.352 m η = 3.6	x: 0.045 m η = 9.8	x: 0.351 m η = 4.4	x: 0.045 m η = 1.7	x: 0.352 m η = 4.3	x: 0.045 m η = 10.5	x: 0.352 m η = 0.2	x: 0.045 m η = 1.3	x: 0.045 m η = 17.0	x: 0.045 m η = 14.9	x: 0.045 m η = 13.4	**CUMPLE h = 17.0**
N460/N576	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 1.1	x: 0.352 m η = 0.9	x: 0.045 m η = 2.7	x: 0.045 m η = 1.3	x: 0.045 m η = 0.4	x: 0.352 m η = 1.3	x: 0.045 m η = 3.2	x: 0.352 m η < 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 4.5	x: 0.352 m η = 3.5	**CUMPLE h = 4.5**
N459/N575	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.3	η = 1.1	x: 0.352 m η = 1.7	x: 0.045 m η = 2.9	x: 0.351 m η = 1.4	x: 0.045 m η = 0.8	x: 0.352 m η = 2.2	x: 0.045 m η = 3.3	x: 0.352 m η = 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 5.5	x: 0.352 m η = 4.2	**CUMPLE h = 5.5**
N458/N574	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.2	η = 1.4	x: 0.352 m η = 0.7	x: 0.045 m η = 2.4	x: 0.351 m η = 1.2	x: 0.045 m η = 0.3	x: 0.352 m η = 1.3	x: 0.045 m η = 2.8	x: 0.351 m η < 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.045 m η = 3.9	x: 0.045 m η = 3.1	**CUMPLE h = 3.9**
N457/N573	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.3	η = 1.4	x: 0.352 m η = 1.1	x: 0.045 m η = 2.2	x: 0.045 m η = 1.1	x: 0.045 m η = 0.4	x: 0.352 m η = 1.4	x: 0.045 m η = 2.4	x: 0.352 m η < 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 3.8	x: 0.045 m η = 3.0	**CUMPLE h = 3.8**
N456/N572	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.2	η = 1.8	x: 0.352 m η = 1.6	x: 0.045 m η = 2.8	η = 1.4	x: 0.045 m η = 0.8	x: 0.352 m η = 2.3	x: 0.045 m η = 3.4	x: 0.352 m η = 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.352 m η = 5.8	x: 0.352 m η = 4.0	**CUMPLE h = 5.8**
N455/N571	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.2	η = 1.7	x: 0.352 m η = 2.3	x: 0.045 m η = 4.2	x: 0.198 m η = 2.1	x: 0.045 m η = 1.0	x: 0.352 m η = 2.9	x: 0.045 m η = 4.8	x: 0.352 m η = 0.1	x: 0.045 m η = 0.3	x: 0.045 m η = 7.6	x: 0.352 m η = 7.7	x: 0.352 m η = 5.9	**CUMPLE h = 7.7**
N454/N570	w / t ≤(w / t)máx. Cumple	η = 0.2	η = 0.3	η = 1.9	x: 0.352 m η = 3.5	x: 0.352 m η = 9.8	x: 0.198 m η = 4.9	x: 0.045 m η = 1.6	x: 0.352 m η = 4.2	x: 0.352 m η = 10.5	x: 0.352 m η = 0.2	x: 0.352 m η = 1.4	x: 0.352 m η = 18.4	x: 0.352 m η = 13.2	x: 0.352 m η = 13.1	**CUMPLE h = 18.4**
N453/N569	w / t ≤(w / t)máx. Cumple	η = 0.5	η = 0.9	x: 0.351 m η = 1.8	x: 0.045 m η = 4.3	x: 0.045 m η = 9.2	x: 0.198 m η = 4.2	x: 0.352 m η = 1.8	x: 0.045 m η = 5.0	x: 0.045 m η = 9.9	x: 0.045 m η = 0.3	x: 0.045 m η = 1.2	x: 0.045 m η = 17.7	x: 0.045 m η = 14.1	x: 0.045 m η = 12.8	**CUMPLE h = 17.7**
N449/N565	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.2	η = 1.4	x: 0.352 m η = 0.6	x: 0.045 m η = 2.1	x: 0.045 m η = 1.0	x: 0.045 m η = 0.3	x: 0.352 m η = 1.2	x: 0.045 m η = 2.7	x: 0.351 m η < 0.1	x: 0.045 m η = 0.1	N.P.(4)	x: 0.045 m η = 3.7	x: 0.045 m η = 2.7	**CUMPLE h = 3.7**
N446/N438	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.3	x: 0.045 m η = 0.1	η = 1.1	x: 0.355 m η = 1.4	x: 0.355 m η = 2.1	x: 0.2 m η = 0.8	x: 0.045 m η = 0.7	x: 0.355 m η = 1.9	x: 0.355 m η = 2.2	x: 0.355 m η < 0.1	x: 0.355 m η = 0.1	x: 0.355 m η = 4.8	x: 0.355 m η = 2.9	x: 0.355 m η = 3.4	**CUMPLE h = 4.8**
N562/N554	w / t ≤(w / t)máx. Cumple	x: 0.347 m η = 0.3	x: 0.045 m η = 0.1	η = 1.2	x: 0.348 m η = 2.0	x: 0.348 m η = 4.0	η = 1.1	x: 0.045 m η = 1.0	x: 0.348 m η = 2.2	x: 0.348 m η = 4.1	x: 0.348 m η = 0.1	x: 0.348 m η = 0.2	x: 0.348 m η = 8.0	x: 0.348 m η = 3.2	x: 0.348 m η = 5.8	**CUMPLE h = 8.0**
N345/N346	w / t ≤(w / t)máx. Cumple	x: 0.341 m η = 6.7	x: 0.341 m η = 7.1	x: 0.341 m η = 2.5	x: 0.342 m η = 6.9	x: 0.342 m η = 16.0	x: 0.341 m η = 6.8	x: 0.047 m η = 3.5	x: 0.342 m η = 7.1	x: 0.342 m η = 17.1	x: 0.342 m η = 0.6	x: 0.342 m η = 3.4	x: 0.342 m η = 32.8	x: 0.342 m η = 26.8	x: 0.342 m η = 27.0	**CUMPLE h = 32.8**
N362/N363	w / t ≤(w / t)máx. Cumple	x: 0.059 m η = 6.6	x: 0.059 m η = 7.0	x: 0.058 m η = 2.4	x: 0.058 m η = 6.8	x: 0.058 m η = 15.9	x: 0.059 m η = 6.8	x: 0.353 m η = 3.5	x: 0.058 m η = 7.0	x: 0.058 m η = 16.9	x: 0.058 m η = 0.6	x: 0.058 m η = 3.3	x: 0.058 m η = 32.4	x: 0.058 m η = 26.7	x: 0.058 m η = 26.8	**CUMPLE h = 32.4**
N364/N365	w / t ≤(w / t)máx. Cumple	x: 0.199 m η = 2.9	x: 0.199 m η = 2.9	η = 0.4	x: 0.353 m η = 4.7	x: 0.353 m η = 9.7	x: 0.199 m η = 4.5	x: 0.199 m η = 2.1	x: 0.353 m η = 4.9	x: 0.353 m η = 9.7	x: 0.353 m η = 0.3	x: 0.353 m η = 1.1	x: 0.353 m η = 19.8	x: 0.353 m η = 16.4	x: 0.353 m η = 15.8	**CUMPLE h = 19.8**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_x	M_yV_x	MT	MP	TPTrMV	
N381/N382	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.201 m η = 2.9	x: 0.201 m η = 2.9	η = 0.4	x: 0.047 m η = 4.6	x: 0.047 m η = 9.8	x: 0.201 m η = 4.5	x: 0.201 m η = 2.1	x: 0.047 m η = 4.7	x: 0.047 m η = 9.8	x: 0.047 m η = 0.3	x: 0.047 m η = 1.2	x: 0.047 m η = 19.9	x: 0.047 m η = 16.5	x: 0.047 m η = 15.9	**CUMPLE h = 19.9**
N461/N462	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.341 m η = 5.6	x: 0.341 m η = 6.0	x: 0.047 m η = 2.4	x: 0.342 m η = 6.0	x: 0.342 m η = 16.9	x: 0.047 m η = 8.3	x: 0.047 m η = 3.0	x: 0.342 m η = 6.1	x: 0.342 m η = 17.9	x: 0.342 m η = 0.5	x: 0.342 m η = 3.9	x: 0.342 m η = 30.5	x: 0.342 m η = 26.2	x: 0.342 m η = 26.7	**CUMPLE h = 30.5**
N478/N479	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.059 m η = 6.0	x: 0.059 m η = 6.5	x: 0.352 m η = 2.4	x: 0.058 m η = 6.3	x: 0.058 m η = 16.8	x: 0.352 m η = 8.2	x: 0.352 m η = 3.1	x: 0.058 m η = 6.3	x: 0.058 m η = 17.8	x: 0.058 m η = 0.5	x: 0.058 m η = 3.9	x: 0.058 m η = 30.8	x: 0.058 m η = 26.8	x: 0.058 m η = 26.5	**CUMPLE h = 30.8**
N480/N481	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 2.2	η = 2.3	η = 0.5	x: 0.353 m η = 4.5	x: 0.353 m η = 14.4	η = 6.8	x: 0.199 m η = 2.1	x: 0.353 m η = 4.7	x: 0.353 m η = 14.7	x: 0.353 m η = 0.3	x: 0.353 m η = 2.6	x: 0.353 m η = 25.9	x: 0.353 m η = 20.6	x: 0.353 m η = 20.9	**CUMPLE h = 25.9**
N497/N498	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 2.2	η = 2.2	x: 0.201 m η = 0.6	x: 0.047 m η = 4.5	x: 0.047 m η = 14.5	η = 6.8	x: 0.201 m η = 2.1	x: 0.047 m η = 4.8	x: 0.047 m η = 14.7	x: 0.047 m η = 0.3	x: 0.047 m η = 2.6	x: 0.047 m η = 26.0	x: 0.047 m η = 20.8	x: 0.047 m η = 20.9	**CUMPLE h = 26.0**
N382/N584	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.711 m η = 1.1	x: 0.711 m η = 1.6	η = 0.9	x: 0.07 m η = 14.5	x: 0.07 m η = 2.2	η = 0.2	x: 0.07 m η = 2.2	x: 0.07 m η = 14.8	x: 0.07 m η = 2.5	x: 0.07 m η = 2.2	x: 0.07 m η = 0.1	x: 0.07 m η = 22.1	x: 0.07 m η = 18.7	x: 0.07 m η = 19.8	**CUMPLE h = 22.1**
N578/N584	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.71 m η = 6.1	x: 0.07 m η = 6.7	x: 0.711 m η = 0.5	x: 0.07 m η = 1.0	x: 0.711 m η = 3.8	x: 0.711 m η = 0.8	x: 0.07 m η = 0.1	x: 0.07 m η = 1.1	x: 0.711 m η = 3.9	x: 0.07 m η < 0.1	x: 0.711 m η = 0.2	x: 0.07 m η = 11.4	x: 0.07 m η = 11.2	x: 0.711 m η = 10.9	**CUMPLE h = 11.4**
N578/N586	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.71 m η = 6.2	x: 0.07 m η = 7.2	x: 0.23 m η = 0.2	x: 0.23 m η = 0.6	x: 0.07 m η = 2.7	x: 0.71 m η = 0.6	x: 0.07 m η = 0.1	x: 0.23 m η = 0.7	x: 0.07 m η = 2.7	x: 0.23 m η < 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 10.4	x: 0.711 m η = 10.2	x: 0.711 m η = 10.4	**CUMPLE h = 10.4**
N580/N586	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 6.7	x: 0.391 m η = 7.8	η = 0.3	x: 0.07 m η = 0.7	x: 0.07 m η = 2.9	x: 0.551 m η = 0.6	x: 0.07 m η = 0.1	x: 0.07 m η = 0.8	x: 0.07 m η = 2.9	x: 0.07 m η < 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 11.0	x: 0.07 m η = 11.3	x: 0.07 m η = 11.3	**CUMPLE h = 11.3**
N580/N588	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.71 m η = 5.8	x: 0.07 m η = 6.2	η = 0.4	x: 0.711 m η = 1.1	x: 0.711 m η = 3.1	x: 0.23 m η = 0.6	x: 0.07 m η = 0.2	x: 0.711 m η = 1.2	x: 0.711 m η = 3.2	x: 0.71 m η < 0.1	x: 0.711 m η = 0.1	x: 0.711 m η = 11.0	x: 0.711 m η = 10.5	x: 0.711 m η = 10.1	**CUMPLE h = 11.0**
N582/N588	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 6.8	x: 0.391 m η = 8.5	x: 0.07 m η = 0.6	x: 0.711 m η = 1.7	x: 0.07 m η = 3.1	x: 0.551 m η = 0.6	x: 0.07 m η = 0.3	x: 0.711 m η = 2.0	x: 0.07 m η = 3.3	x: 0.711 m η < 0.1	x: 0.07 m η = 0.1	x: 0.711 m η = 12.3	x: 0.711 m η = 12.6	x: 0.07 m η = 12.4	**CUMPLE h = 12.6**
N582/N590	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 5.6	x: 0.391 m η = 5.3	x: 0.07 m η = 1.1	x: 0.711 m η = 1.7	x: 0.711 m η = 3.8	x: 0.071 m η = 0.8	x: 0.71 m η = 0.3	x: 0.711 m η = 2.2	x: 0.711 m η = 4.3	x: 0.711 m η < 0.1	x: 0.711 m η = 0.2	x: 0.711 m η = 13.4	x: 0.711 m η = 11.4	x: 0.711 m η = 10.7	**CUMPLE h = 13.4**
N254/N590	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.686 m η = 2.9	x: 0.686 m η = 4.0	x: 0.686 m η = 1.7	x: 0.067 m η = 12.6	x: 0.067 m η = 6.5	x: 0.686 m η = 1.1	x: 0.067 m η = 1.9	x: 0.067 m η = 13.4	x: 0.067 m η = 7.2	x: 0.067 m η = 1.8	x: 0.067 m η = 0.5	x: 0.067 m η = 28.2	x: 0.067 m η = 23.3	x: 0.067 m η = 21.1	**CUMPLE h = 28.2**
N577/N584	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.451 m η = 1.8	x: 0.045 m η = 1.9	x: 0.249 m η = 0.3	x: 0.045 m η = 8.6	x: 0.045 m η = 1.5	x: 0.249 m η = 0.5	x: 0.249 m η = 3.1	x: 0.045 m η = 8.6	x: 0.045 m η = 1.6	x: 0.045 m η = 0.8	x: 0.045 m η < 0.1	x: 0.045 m η = 13.9	x: 0.045 m η = 12.0	x: 0.045 m η = 12.8	**CUMPLE h = 13.9**
N578/N585	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.454 m η = 0.1	x: 0.048 m η = 0.2	η = 0.2	x: 0.455 m η = 3.5	x: 0.455 m η = 0.8	η = 0.3	x: 0.252 m η = 1.3	x: 0.455 m η = 3.6	x: 0.455 m η = 0.9	x: 0.455 m η = 0.2	x: 0.454 m η < 0.1	x: 0.455 m η = 5.7	x: 0.455 m η = 4.4	x: 0.455 m η = 4.6	**CUMPLE h = 5.7**
N579/N586	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.2	η = 0.3	x: 0.045 m η = 3.6	x: 0.452 m η = 0.4	η = 0.2	η = 1.3	x: 0.045 m η = 3.7	x: 0.452 m η = 0.6	x: 0.045 m η = 0.2	x: 0.451 m η < 0.1	x: 0.045 m η = 5.5	x: 0.045 m η = 4.3	x: 0.045 m η = 4.6	**CUMPLE h = 5.5**
N580/N587	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.4	η = 0.4	x: 0.455 m η = 4.4	x: 0.048 m η = 0.5	η = 0.2	x: 0.252 m η = 1.6	x: 0.455 m η = 4.5	x: 0.048 m η = 0.7	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 6.6	x: 0.455 m η = 5.4	x: 0.455 m η = 5.8	**CUMPLE h = 6.6**
N581/N588	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.451 m η = 0.4	x: 0.045 m η = 0.4	η = 0.3	x: 0.045 m η = 3.7	x: 0.452 m η = 0.6	η = 0.2	x: 0.249 m η = 1.4	x: 0.045 m η = 3.8	x: 0.452 m η = 0.8	x: 0.045 m η = 0.2	x: 0.451 m η < 0.1	x: 0.045 m η = 6.1	x: 0.045 m η = 4.5	x: 0.045 m η = 5.1	**CUMPLE h = 6.1**
N582/N589	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.454 m η = 0.6	x: 0.048 m η = 0.7	η = 0.4	x: 0.455 m η = 3.9	x: 0.048 m η = 1.5	η = 0.6	x: 0.252 m η = 1.4	x: 0.455 m η = 3.9	x: 0.048 m η = 1.7	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 7.4	x: 0.455 m η = 5.8	x: 0.455 m η = 5.8	**CUMPLE h = 7.4**
N583/N590	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.45 m η = 1.0	x: 0.045 m η = 1.2	x: 0.45 m η = 0.5	x: 0.045 m η = 8.6	x: 0.045 m η = 3.2	x: 0.45 m η = 1.1	η = 3.1	x: 0.045 m η = 8.6	x: 0.045 m η = 3.4	x: 0.045 m η = 0.8	x: 0.045 m η = 0.1	x: 0.045 m η = 14.4	x: 0.045 m η = 10.9	x: 0.045 m η = 12.0	**CUMPLE h = 14.4**
N381/N591	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.71 m η = 3.3	x: 0.07 m η = 5.0	x: 0.711 m η = 1.1	x: 0.07 m η = 13.4	x: 0.07 m η = 3.3	η = 0.4	x: 0.07 m η = 2.0	x: 0.07 m η = 13.9	x: 0.07 m η = 3.7	x: 0.07 m η = 2.0	x: 0.07 m η = 0.1	x: 0.07 m η = 24.3	x: 0.07 m η = 22.6	x: 0.07 m η = 22.3	**CUMPLE h = 24.3**
N599/N591	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 9.3	x: 0.391 m η = 9.5	x: 0.391 m η = 0.3	x: 0.07 m η = 1.9	x: 0.07 m η = 2.9	η = 0.6	x: 0.71 m η = 0.4	x: 0.07 m η = 2.0	x: 0.07 m η = 3.1	x: 0.07 m η < 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 15.0	x: 0.07 m η = 14.2	x: 0.07 m η = 13.5	**CUMPLE h = 15.0**
N599/N593	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 7.4	x: 0.391 m η = 9.3	x: 0.71 m η = 0.2	x: 0.711 m η = 1.0	x: 0.07 m η = 2.7	x: 0.07 m η = 0.6	x: 0.07 m η = 0.1	x: 0.711 m η = 1.0	x: 0.07 m η = 2.7	x: 0.71 m η < 0.1	x: 0.07 m η = 0.1	x: 0.711 m η = 11.4	x: 0.711 m η = 12.6	x: 0.711 m η = 12.4	**CUMPLE h = 12.6**
N601/N593	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 7.0	x: 0.391 m η = 7.5	η = 0.3	x: 0.711 m η = 0.8	x: 0.07 m η = 2.8	x: 0.551 m η = 0.6	x: 0.71 m η = 0.2	x: 0.711 m η = 0.9	x: 0.07 m η = 2.9	x: 0.71 m η < 0.1	x: 0.07 m η = 0.1	x: 0.711 m η = 11.4	x: 0.07 m η = 10.9	x: 0.07 m η = 10.9	**CUMPLE h = 11.4**
N601/N595	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 8.0	x: 0.391 m η = 9.5	x: 0.391 m η = 0.4	x: 0.07 m η = 1.5	x: 0.711 m η = 3.1	x: 0.23 m η = 0.6	x: 0.07 m η = 0.3	x: 0.07 m η = 1.7	x: 0.711 m η = 3.2	x: 0.07 m η < 0.1	x: 0.711 m η = 0.1	x: 0.711 m η = 13.4	x: 0.711 m η = 13.9	x: 0.711 m η = 13.5	**CUMPLE h = 13.9**
N603/N595	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 6.1	x: 0.391 m η = 6.8	x: 0.551 m η = 0.6	x: 0.07 m η = 2.6	x: 0.07 m η = 3.0	x: 0.551 m η = 0.6	x: 0.07 m η = 0.5	x: 0.07 m η = 2.9	x: 0.07 m η = 3.2	x: 0.07 m η = 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 13.3	x: 0.07 m η = 12.7	x: 0.07 m η = 11.7	**CUMPLE h = 13.3**
N603/N597	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 9.7	x: 0.391 m η = 10.9	x: 0.391 m η = 1.0	x: 0.07 m η = 3.8	x: 0.711 m η = 3.6	x: 0.391 m η = 0.7	x: 0.71 m η = 0.8	x: 0.07 m η = 4.1	x: 0.711 m η = 4.0	x: 0.07 m η = 0.2	x: 0.711 m η = 0.2	x: 0.07 m η = 17.9	x: 0.711 m η = 17.7	x: 0.711 m η = 16.3	**CUMPLE h = 17.9**
N253/N597	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.532 m η = 1.5	x: 0.532 m η = 2.8	x: 0.686 m η = 1.8	x: 0.067 m η = 14.2	x: 0.067 m η = 6.3	x: 0.686 m η = 1.1	x: 0.067 m η = 2.4	x: 0.067 m η = 14.8	x: 0.067 m η = 7.0	x: 0.067 m η = 2.3	x: 0.067 m η = 0.5	x: 0.067 m η = 28.2	x: 0.067 m η = 24.1	x: 0.067 m η = 21.9	**CUMPLE h = 28.2**
N598/N591	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.451 m η = 1.4	x: 0.045 m η = 1.5	η = 0.6	x: 0.452 m η = 11.0	x: 0.045 m η = 1.5	η = 0.6	η = 4.1	x: 0.452 m η = 11.2	x: 0.452 m η = 1.7	x: 0.452 m η = 1.4	x: 0.452 m η < 0.1	x: 0.452 m η = 16.5	x: 0.452 m η = 14.3	x: 0.452 m η = 15.3	**CUMPLE h = 16.5**
N599/N592	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.252 m η = 0.3	x: 0.252 m η = 0.4	x: 0.252 m η = 0.3	x: 0.455 m η = 3.8	x: 0.048 m η = 0.9	x: 0.252 m η = 0.3	x: 0.252 m η = 1.4	x: 0.455 m η = 3.9	x: 0.048 m η = 1.0	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 5.6	x: 0.455 m η = 5.2	x: 0.455 m η = 5.2	**CUMPLE h = 5.6**
N600/N593	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.451 m η = 0.3	x: 0.045 m η = 0.2	η = 0.3	x: 0.045 m η = 5.2	x: 0.452 m η = 0.5	x: 0.249 m η = 0.2	x: 0.249 m η = 1.9	x: 0.045 m η = 5.3	x: 0.452 m η = 0.6	x: 0.045 m η = 0.3	x: 0.452 m η < 0.1	x: 0.045 m η = 7.5	x: 0.045 m η = 5.8	x: 0.045 m η = 6.7	**CUMPLE h = 7.5**
N601/N594	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.454 m η = 0.4	x: 0.048 m η = 0.5	η = 0.4	x: 0.455 m η = 4.1	x: 0.048 m η = 0.5	η = 0.2	x: 0.252 m η = 1.5	x: 0.455 m η = 4.2	x: 0.048 m η = 0.7	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 6.5	x: 0.455 m η = 5.0	x: 0.455 m η = 5.5	**CUMPLE h = 6.5**
N602/N595	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.451 m η = 0.6	x: 0.045 m η = 0.7	η = 0.3	x: 0.045 m η = 5.0	x: 0.452 m η = 0.6	η = 0.2	x: 0.249 m η = 1.9	x: 0.045 m η = 5.1	x: 0.452 m η = 0.8	x: 0.045 m η = 0.3	x: 0.451 m η < 0.1	x: 0.045 m η = 7.7	x: 0.045 m η = 6.4	x: 0.045 m η = 6.9	**CUMPLE h = 7.7**
N603/N596	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.454 m η = 1.0	x: 0.048 m η = 1.1	η = 0.4	x: 0.455 m η = 3.8	x: 0.048 m η = 1.6	η = 0.6	x: 0.252 m η = 1.4	x: 0.455 m η = 3.9	x: 0.048 m η = 1.8	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 7.8	x: 0.455 m η = 6.5	x: 0.455 m η = 6.2	**CUMPLE h = 7.8**
N604/N597	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.45 m η = 2.5	x: 0.045 m η = 2.6	η = 0.6	x: 0.045 m η = 9.3	x: 0.045 m η = 3.1	x: 0.45 m η = 1.1	η = 3.4	x: 0.045 m η = 9.5	x: 0.045 m η = 3.4	x: 0.045 m η = 1.0	x: 0.045 m η = 0.1	x: 0.045 m η = 16.9	x: 0.045 m η = 13.8	x: 0.045 m η = 14.3	**CUMPLE h = 16.9**
N597/N590	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.4	η = 0.2	η = 0.4	x: 0.045 m η = 5.4	x: 0.045 m η = 18.7	x: 0.354 m η = 9.0	x: 0.045 m η = 2.6	x: 0.045 m η = 5.4	x: 0.045 m η = 18.8	x: 0.045 m η = 0.4	x: 0.045 m η = 4.3	x: 0.045 m η = 27.2	x: 0.045 m η = 21.1	x: 0.045 m η = 23.8	**CUMPLE h = 27.2**
N604/N583	w / t ≤(w / t)$_{Máx.}$ Cumple	N.P.[3]	x: 0.2 m η = 0.2	η = 0.7	x: 0.045 m η = 3.4	x: 0.045 m η = 12.5	x: 0.2 m η = 6.0	x: 0.045 m η = 1.6	x: 0.045 m η = 3.6	x: 0.045 m η = 12.8	x: 0.045 m η = 0.2	x: 0.045 m η = 2.0	N.P.[4]	x: 0.045 m η = 16.2	x: 0.045 m η = 16.3	**CUMPLE h = 16.3**
N603/N582	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	N.P.[1]	η = 0.4	x: 0.355 m η = 3.0	x: 0.355 m η = 18.6	x: 0.045 m η = 9.1	x: 0.045 m η = 1.5	x: 0.355 m η = 3.1	x: 0.355 m η = 18.7	x: 0.355 m η = 0.1	x: 0.355 m η = 4.3	x: 0.355 m η = 27.1	N.P.[2]	x: 0.355 m η = 23.6	**CUMPLE h = 27.1**
N596/N589	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η = 0.1	x: 0.2 m η = 0.5	x: 0.045 m η = 2.4	x: 0.355 m η = 18.4	x: 0.045 m η = 9.0	x: 0.045 m η = 1.2	x: 0.045 m η = 2.5	x: 0.355 m η = 18.6	x: 0.045 m η = 0.1	x: 0.355 m η = 4.3	x: 0.355 m η = 24.5	x: 0.355 m η = 21.1	x: 0.355 m η = 23.2	**CUMPLE h = 24.5**
N602/N581	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.045 m η = 1.0	x: 0.045 m η = 17.3	η = 8.5	x: 0.355 m η = 0.5	x: 0.045 m η = 1.1	x: 0.045 m η = 17.5	x: 0.045 m η < 0.1	x: 0.045 m η = 3.8	x: 0.045 m η = 21.3	x: 0.045 m η = 18.5	x: 0.045 m η = 21.7	**CUMPLE h = 21.7**
N595/N588	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.355 m η = 1.2	x: 0.045 m η = 20.5	η = 10.1	x: 0.355 m η = 0.6	x: 0.045 m η = 1.3	x: 0.045 m η = 20.5	x: 0.355 m η < 0.1	x: 0.045 m η = 5.2	x: 0.045 m η = 27.2	x: 0.045 m η = 20.5	x: 0.045 m η = 25.6	**CUMPLE h = 27.2**
N601/N580	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.045 m η = 1.1	x: 0.355 m η = 20.5	η = 10.1	x: 0.355 m η = 0.5	x: 0.045 m η = 1.1	x: 0.355 m η = 20.5	x: 0.045 m η < 0.1	x: 0.355 m η = 5.2	x: 0.355 m η = 27.0	x: 0.355 m η = 21.3	x: 0.355 m η = 25.6	**CUMPLE h = 27.0**
N594/N587	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.355 m η = 0.9	x: 0.355 m η = 17.9	η = 8.8	x: 0.355 m η = 0.5	x: 0.045 m η = 0.9	x: 0.355 m η = 18.0	x: 0.045 m η < 0.1	x: 0.355 m η = 4.0	x: 0.355 m η = 23.6	x: 0.355 m η = 17.3	x: 0.355 m η = 22.3	**CUMPLE h = 23.6**
N598/N577	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.2 m η = 0.1	x: 0.2 m η = 0.2	η = 0.5	x: 0.045 m η = 1.6	x: 0.045 m η = 11.3	x: 0.2 m η = 5.5	x: 0.045 m η = 0.8	x: 0.045 m η = 1.7	x: 0.045 m η = 11.4	x: 0.045 m η < 0.1	x: 0.045 m η = 1.6	x: 0.045 m η = 16.4	x: 0.045 m η = 11.9	x: 0.045 m η = 14.4	**CUMPLE h = 16.4**
N591/N584	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.045 m η = 0.5	x: 0.045 m η = 0.5	η = 0.4	x: 0.355 m η = 2.4	x: 0.045 m η = 20.9	x: 0.045 m η = 9.9	x: 0.045 m η = 1.1	x: 0.355 m η = 2.5	x: 0.045 m η = 20.9	x: 0.355 m η = 0.1	x: 0.045 m η = 5.4	x: 0.045 m η = 27.8	x: 0.045 m η = 23.4	x: 0.045 m η = 26.7	**CUMPLE h = 27.8**
N599/N578	w / t ≤(w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.1	η = 0.4	x: 0.355 m η = 1.5	x: 0.355 m η = 18.7	x: 0.045 m η = 9.2	x: 0.045 m η = 0.7	x: 0.355 m η = 1.6	x: 0.355 m η = 18.7	x: 0.355 m η < 0.1	x: 0.355 m η = 4.3	x: 0.355 m η = 23.7	x: 0.355 m η = 20.3	x: 0.355 m η = 23.4	**CUMPLE h = 23.7**
N592/N585	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.2 m η = 0.1	x: 0.2 m η = 0.1	η = 0.4	x: 0.045 m η = 1.1	x: 0.355 m η = 19.0	x: 0.2 m η = 9.4	x: 0.045 m η = 0.6	x: 0.355 m η = 1.3	x: 0.355 m η = 19.2	x: 0.355 m η < 0.1	x: 0.355 m η = 4.6	x: 0.355 m η = 25.7	x: 0.355 m η = 18.9	x: 0.355 m η = 23.9	**CUMPLE h = 25.7**
N600/N579	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.355 m η = 0.7	x: 0.045 m η = 17.5	x: 0.2 m η = 8.6	x: 0.045 m η = 0.4	x: 0.355 m η = 0.9	x: 0.045 m η = 17.6	x: 0.045 m η < 0.1	x: 0.045 m η = 3.8	x: 0.045 m η = 23.1	x: 0.045 m η = 16.7	x: 0.045 m η = 21.8	**CUMPLE h = 23.1**
N593/N586	w / t ≤(w / t)$_{Máx.}$ Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.355 m η = 0.9	x: 0.045 m η = 20.6	η = 10.1	x: 0.045 m η = 0.5	x: 0.355 m η = 1.0	x: 0.045 m η = 20.6	x: 0.045 m η < 0.1	x: 0.045 m η = 5.3	x: 0.045 m η = 25.3	x: 0.045 m η = 21.5	x: 0.045 m η = 25.7	**CUMPLE h = 25.7**
N365/N605	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.71 m η = 3.2	x: 0.07 m η = 4.9	x: 0.711 m η = 1.1	x: 0.07 m η = 13.1	x: 0.07 m η = 3.3	x: 0.71 m η = 0.4	x: 0.07 m η = 1.9	x: 0.07 m η = 13.5	x: 0.07 m η = 3.7	x: 0.07 m η = 1.9	x: 0.07 m η = 0.1	x: 0.07 m η = 23.9	x: 0.07 m η = 22.1	x: 0.07 m η = 21.8	**CUMPLE h = 23.9**
N613/N605	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 9.2	x: 0.391 m η = 9.3	η = 0.3	x: 0.07 m η = 1.9	x: 0.07 m η = 2.9	η = 0.7	x: 0.07 m η = 0.4	x: 0.07 m η = 2.0	x: 0.07 m η = 3.1	x: 0.07 m η < 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 14.8	x: 0.07 m η = 14.0	x: 0.07 m η = 13.3	**CUMPLE h = 14.8**
N613/N607	w / t ≤(w / t)$_{Máx.}$ Cumple	x: 0.391 m η = 7.2	x: 0.391 m η = 9.1	η = 0.2	x: 0.711 m η = 1.0	x: 0.07 m η = 2.7	x: 0.551 m η = 0.6	x: 0.07 m η = 0.1	x: 0.711 m η = 1.1	x: 0.07 m η = 2.8	x: 0.71 m η < 0.1	x: 0.07 m η = 0.1	x: 0.711 m η = 11.3	x: 0.711 m η = 12.4	x: 0.711 m η = 12.2	**CUMPLE h = 12.4**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N615/N607	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 6.9	x: 0.391 m η = 7.3	η = 0.3	x: 0.711 m η = 0.8	x: 0.07 m η = 2.9	η = 0.6	x: 0.07 m η = 0.2	x: 0.711 m η = 0.9	x: 0.07 m η = 3.0	x: 0.71 m η < 0.1	x: 0.07 m η = 0.1	x: 0.711 m η = 11.3	x: 0.07 m η = 10.8	x: 0.07 m η = 10.7	**CUMPLE h = 11.3**
N615/N609	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 7.9	x: 0.391 m η = 9.2	x: 0.391 m η = 0.4	x: 0.07 m η = 1.5	x: 0.711 m η = 3.0	x: 0.551 m η = 0.6	x: 0.07 m η = 0.3	x: 0.07 m η = 1.7	x: 0.711 m η = 3.2	x: 0.07 m η < 0.1	x: 0.711 m η = 0.1	x: 0.711 m η = 13.2	x: 0.711 m η = 13.6	x: 0.711 m η = 13.2	**CUMPLE h = 13.6**
N617/N609	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 5.8	x: 0.391 m η = 6.6	x: 0.551 m η = 0.6	x: 0.07 m η = 2.6	x: 0.07 m η = 3.0	x: 0.551 m η = 0.6	x: 0.07 m η = 0.5	x: 0.07 m η = 2.8	x: 0.07 m η = 3.2	x: 0.07 m η = 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 13.1	x: 0.07 m η = 12.5	x: 0.07 m η = 11.5	**CUMPLE h = 13.1**
N617/N611	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 9.6	x: 0.391 m η = 10.7	x: 0.391 m η = 1.0	x: 0.07 m η = 3.7	x: 0.711 m η = 3.6	x: 0.391 m η = 0.7	x: 0.71 m η = 0.8	x: 0.07 m η = 4.1	x: 0.711 m η = 3.9	x: 0.07 m η = 0.2	x: 0.711 m η = 0.2	x: 0.07 m η = 17.7	x: 0.711 m η = 17.4	x: 0.711 m η = 16.0	**CUMPLE h = 17.7**
N237/N611	w / t ≤(w / t)máx. Cumple	x: 0.532 m η = 1.4	x: 0.532 m η = 2.7	x: 0.686 m η = 1.8	x: 0.067 m η = 13.9	x: 0.067 m η = 6.3	x: 0.686 m η = 1.1	x: 0.067 m η = 2.3	x: 0.067 m η = 14.5	x: 0.067 m η = 7.0	x: 0.067 m η = 2.2	x: 0.067 m η = 0.5	x: 0.067 m η = 27.7	x: 0.067 m η = 23.7	x: 0.067 m η = 21.5	**CUMPLE h = 27.7**
N612/N605	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.4	x: 0.045 m η = 1.5	η = 0.6	x: 0.452 m η = 10.7	x: 0.045 m η = 1.5	η = 0.6	η = 4.0	x: 0.452 m η = 10.9	x: 0.452 m η = 1.7	x: 0.452 m η = 1.4	x: 0.452 m η < 0.1	x: 0.452 m η = 16.2	x: 0.452 m η = 14.0	x: 0.452 m η = 15.0	**CUMPLE h = 16.2**
N613/N606	w / t ≤(w / t)máx. Cumple	x: 0.252 m η = 0.3	x: 0.252 m η = 0.4	x: 0.252 m η = 0.3	x: 0.455 m η = 3.6	x: 0.048 m η = 0.9	x: 0.252 m η = 0.3	x: 0.252 m η = 1.4	x: 0.455 m η = 3.8	x: 0.048 m η = 1.0	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 5.5	x: 0.455 m η = 5.1	x: 0.455 m η = 5.0	**CUMPLE h = 5.5**
N614/N607	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.2	x: 0.249 m η = 0.3	x: 0.045 m η = 5.1	x: 0.452 m η = 0.5	x: 0.045 m η = 0.2	x: 0.249 m η = 1.9	x: 0.045 m η = 5.2	x: 0.452 m η = 0.6	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 7.4	x: 0.045 m η = 5.7	x: 0.045 m η = 6.6	**CUMPLE h = 7.4**
N615/N608	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.4	x: 0.048 m η = 0.5	η = 0.4	x: 0.455 m η = 4.0	x: 0.048 m η = 0.5	η = 0.2	x: 0.252 m η = 1.5	x: 0.455 m η = 4.1	x: 0.048 m η = 0.7	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 6.3	x: 0.455 m η = 4.9	x: 0.455 m η = 5.3	**CUMPLE h = 6.3**
N616/N609	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.6	x: 0.045 m η = 0.7	η = 0.3	x: 0.045 m η = 4.9	x: 0.452 m η = 0.6	η = 0.2	x: 0.249 m η = 1.8	x: 0.045 m η = 5.0	x: 0.452 m η = 0.8	x: 0.045 m η = 0.3	x: 0.451 m η < 0.1	x: 0.452 m η = 7.5	x: 0.045 m η = 6.3	x: 0.045 m η = 6.7	**CUMPLE h = 7.5**
N617/N610	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 1.0	x: 0.048 m η = 1.1	η = 0.4	x: 0.455 m η = 3.7	x: 0.048 m η = 1.6	η = 0.6	x: 0.252 m η = 1.4	x: 0.455 m η = 3.8	x: 0.048 m η = 1.7	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 7.6	x: 0.455 m η = 6.5	x: 0.455 m η = 6.1	**CUMPLE h = 7.6**
N618/N611	w / t ≤(w / t)máx. Cumple	x: 0.45 m η = 2.5	x: 0.045 m η = 2.5	η = 0.6	x: 0.045 m η = 9.1	x: 0.045 m η = 3.1	x: 0.45 m η = 1.1	η = 3.3	x: 0.045 m η = 9.3	x: 0.045 m η = 3.3	x: 0.045 m η = 1.0	x: 0.045 m η = 0.1	x: 0.045 m η = 16.5	x: 0.045 m η = 13.5	x: 0.045 m η = 14.0	**CUMPLE h = 16.5**
N364/N619	w / t ≤(w / t)máx. Cumple	x: 0.711 m η = 1.0	x: 0.711 m η = 1.5	η = 0.9	x: 0.07 m η = 14.2	x: 0.07 m η = 2.2	η = 0.2	x: 0.07 m η = 2.2	x: 0.07 m η = 14.5	x: 0.07 m η = 2.5	x: 0.07 m η = 2.1	x: 0.07 m η = 0.1	x: 0.07 m η = 21.7	x: 0.07 m η = 18.2	x: 0.07 m η = 19.2	**CUMPLE h = 21.7**
N627/N619	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 5.9	x: 0.07 m η = 6.4	η = 0.5	x: 0.07 m η = 0.9	x: 0.711 m η = 3.8	η = 0.8	x: 0.07 m η = 0.1	x: 0.07 m η = 1.1	x: 0.711 m η = 3.9	x: 0.07 m η < 0.1	x: 0.711 m η = 0.2	x: 0.07 m η = 11.2	x: 0.07 m η = 10.8	x: 0.711 m η = 10.7	**CUMPLE h = 11.2**
N627/N621	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 6.0	x: 0.07 m η = 7.0	x: 0.391 m η = 0.2	x: 0.23 m η = 0.6	x: 0.07 m η = 2.7	x: 0.551 m η = 0.6	x: 0.07 m η = 0.1	x: 0.23 m η = 0.6	x: 0.07 m η = 2.7	x: 0.23 m η < 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 10.2	x: 0.711 m η = 10.0	x: 0.711 m η = 10.3	**CUMPLE h = 10.3**
N629/N621	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 6.5	x: 0.391 m η = 7.6	η = 0.3	x: 0.07 m η = 0.7	x: 0.07 m η = 2.9	η = 0.6	x: 0.07 m η = 0.1	x: 0.07 m η = 0.8	x: 0.07 m η = 3.0	x: 0.07 m η < 0.1	x: 0.07 m η = 0.1	x: 0.07 m η = 10.8	x: 0.07 m η = 11.1	x: 0.07 m η = 11.1	**CUMPLE h = 11.1**
N629/N623	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 5.6	x: 0.07 m η = 5.9	η = 0.4	x: 0.711 m η = 1.1	x: 0.711 m η = 3.0	x: 0.07 m η = 0.6	x: 0.07 m η = 0.2	x: 0.711 m η = 1.2	x: 0.711 m η = 3.2	x: 0.71 m η < 0.1	x: 0.711 m η = 0.1	x: 0.711 m η = 10.8	x: 0.711 m η = 10.3	x: 0.711 m η = 9.9	**CUMPLE h = 10.8**
N631/N623	w / t ≤(w / t)máx. Cumple	x: 0.391 m η = 6.6	x: 0.391 m η = 8.3	x: 0.07 m η = 0.6	x: 0.711 m η = 1.7	x: 0.07 m η = 3.1	x: 0.07 m η = 0.6	x: 0.07 m η = 0.3	x: 0.711 m η = 2.0	x: 0.07 m η = 3.3	x: 0.711 m η < 0.1	x: 0.07 m η = 0.1	x: 0.711 m η = 12.1	x: 0.711 m η = 12.4	x: 0.07 m η = 12.1	**CUMPLE h = 12.4**
N631/N625	w / t ≤(w / t)máx. Cumple	x: 0.71 m η = 5.3	x: 0.07 m η = 5.1	x: 0.07 m η = 1.1	x: 0.711 m η = 1.7	x: 0.711 m η = 3.8	x: 0.07 m η = 0.8	x: 0.71 m η = 0.3	x: 0.711 m η = 2.1	x: 0.711 m η = 4.3	x: 0.711 m η < 0.1	x: 0.711 m η = 0.2	x: 0.711 m η = 13.2	x: 0.711 m η = 11.2	x: 0.711 m η = 10.4	**CUMPLE h = 13.2**
N236/N625	w / t ≤(w / t)máx. Cumple	x: 0.686 m η = 2.8	x: 0.686 m η = 3.9	x: 0.686 m η = 1.7	x: 0.067 m η = 12.4	x: 0.067 m η = 6.3	x: 0.686 m η = 1.1	x: 0.686 m η = 1.8	x: 0.067 m η = 13.1	x: 0.067 m η = 7.0	x: 0.067 m η = 1.7	x: 0.067 m η = 0.5	x: 0.067 m η = 27.4	x: 0.067 m η = 22.7	x: 0.067 m η = 20.5	**CUMPLE h = 27.4**
N626/N619	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 1.7	x: 0.045 m η = 1.9	x: 0.045 m η = 0.3	x: 0.045 m η = 8.3	x: 0.045 m η = 1.5	x: 0.249 m η = 0.5	x: 0.249 m η = 3.0	x: 0.045 m η = 8.3	x: 0.045 m η = 1.6	x: 0.045 m η = 0.8	x: 0.045 m η < 0.1	x: 0.045 m η = 13.6	x: 0.045 m η = 11.7	x: 0.045 m η = 12.4	**CUMPLE h = 13.6**
N627/N620	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.1	x: 0.048 m η = 0.1	η = 0.3	x: 0.455 m η = 3.4	x: 0.455 m η = 0.8	η = 0.3	x: 0.252 m η = 1.3	x: 0.455 m η = 3.5	x: 0.455 m η = 0.9	x: 0.455 m η = 0.1	x: 0.454 m η < 0.1	x: 0.455 m η = 5.6	x: 0.455 m η = 4.3	x: 0.455 m η = 4.4	**CUMPLE h = 5.6**
N628/N621	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.2	x: 0.045 m η = 0.2	x: 0.249 m η = 0.3	x: 0.045 m η = 3.4	x: 0.452 m η = 0.5	x: 0.045 m η = 0.2	η = 1.3	x: 0.045 m η = 3.5	x: 0.452 m η = 0.6	x: 0.045 m η = 0.1	x: 0.452 m η < 0.1	x: 0.045 m η = 5.3	x: 0.045 m η = 4.2	x: 0.045 m η = 4.5	**CUMPLE h = 5.3**
N629/N622	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.3	x: 0.048 m η = 0.4	η = 0.4	x: 0.455 m η = 4.3	x: 0.048 m η = 0.5	η = 0.2	x: 0.252 m η = 1.6	x: 0.455 m η = 4.4	x: 0.048 m η = 0.7	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 6.4	x: 0.455 m η = 5.2	x: 0.455 m η = 5.6	**CUMPLE h = 6.4**
N630/N623	w / t ≤(w / t)máx. Cumple	x: 0.451 m η = 0.4	x: 0.045 m η = 0.4	η = 0.3	x: 0.045 m η = 3.6	x: 0.452 m η = 0.6	η = 0.2	η = 1.3	x: 0.045 m η = 3.7	x: 0.452 m η = 0.8	x: 0.045 m η = 0.2	x: 0.451 m η < 0.1	x: 0.045 m η = 5.9	x: 0.045 m η = 4.4	x: 0.045 m η = 4.9	**CUMPLE h = 5.9**
N631/N624	w / t ≤(w / t)máx. Cumple	x: 0.454 m η = 0.6	x: 0.048 m η = 0.7	η = 0.4	x: 0.455 m η = 3.7	x: 0.048 m η = 1.5	η = 0.6	x: 0.252 m η = 1.4	x: 0.455 m η = 3.8	x: 0.048 m η = 1.7	x: 0.455 m η = 0.2	x: 0.048 m η < 0.1	x: 0.455 m η = 7.3	x: 0.455 m η = 5.7	x: 0.455 m η = 5.6	**CUMPLE h = 7.3**
N632/N625	w / t ≤(w / t)máx. Cumple	x: 0.45 m η = 1.0	x: 0.045 m η = 1.1	x: 0.45 m η = 0.5	x: 0.045 m η = 8.4	x: 0.045 m η = 3.2	x: 0.45 m η = 1.1	η = 3.0	x: 0.045 m η = 8.4	x: 0.045 m η = 3.4	x: 0.045 m η = 0.8	x: 0.045 m η = 0.1	x: 0.045 m η = 14.0	x: 0.045 m η = 10.6	x: 0.045 m η = 11.7	**CUMPLE h = 14.0**
N625/N611	w / t ≤(w / t)máx. Cumple	η = 0.4	η = 0.2	η = 0.4	x: 0.355 m η = 5.3	x: 0.355 m η = 18.7	x: 0.045 m η = 9.0	x: 0.355 m η = 2.6	x: 0.355 m η = 5.4	x: 0.355 m η = 18.9	x: 0.355 m η = 0.4	x: 0.355 m η = 4.4	x: 0.355 m η = 27.2	x: 0.355 m η = 21.1	x: 0.355 m η = 23.9	**CUMPLE h = 27.2**
N632/N618	w / t ≤(w / t)máx. Cumple	N.P.[3]	x: 0.2 m η = 0.2	x: 0.354 m η = 0.7	x: 0.355 m η = 3.3	x: 0.355 m η = 12.4	x: 0.2 m η = 6.0	x: 0.355 m η = 1.6	x: 0.355 m η = 3.6	x: 0.355 m η = 12.7	x: 0.355 m η = 0.2	x: 0.355 m η = 2.0	N.P.[4]	x: 0.355 m η = 16.1	x: 0.355 m η = 16.1	**CUMPLE h = 16.1**
N631/N617	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.045 m η = 3.0	x: 0.045 m η = 18.6	x: 0.354 m η = 9.1	x: 0.355 m η = 1.5	x: 0.045 m η = 3.2	x: 0.045 m η = 18.6	x: 0.045 m η = 0.1	x: 0.045 m η = 4.3	x: 0.045 m η = 27.1	x: 0.045 m η = 20.5	x: 0.045 m η = 23.5	**CUMPLE h = 27.1**
N624/N610	w / t ≤(w / t)máx. Cumple	η < 0.1	η = 0.1	x: 0.2 m η = 0.5	x: 0.355 m η = 2.4	x: 0.045 m η = 18.4	x: 0.354 m η = 9.0	x: 0.355 m η = 1.2	x: 0.355 m η = 2.6	x: 0.045 m η = 18.5	x: 0.355 m η = 0.1	x: 0.045 m η = 4.2	x: 0.045 m η = 24.6	x: 0.045 m η = 21.1	x: 0.045 m η = 23.2	**CUMPLE h = 24.6**
N630/N616	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.355 m η = 1.0	x: 0.355 m η = 17.3	η = 8.5	x: 0.045 m η = 0.5	x: 0.355 m η = 1.1	x: 0.355 m η = 17.4	x: 0.355 m η < 0.1	x: 0.355 m η = 3.8	x: 0.355 m η = 21.2	x: 0.355 m η = 18.5	x: 0.355 m η = 21.6	**CUMPLE h = 21.6**
N623/N609	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.4	x: 0.045 m η = 1.2	x: 0.355 m η = 20.4	η = 10.0	x: 0.045 m η = 0.6	x: 0.355 m η = 1.3	x: 0.355 m η = 20.4	x: 0.045 m η < 0.1	x: 0.355 m η = 5.2	x: 0.355 m η = 27.1	x: 0.355 m η = 20.5	x: 0.355 m η = 25.5	**CUMPLE h = 27.1**
N629/N615	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 0.4	x: 0.355 m η = 1.0	x: 0.045 m η = 20.5	x: 0.2 m η = 10.1	x: 0.045 m η = 0.5	x: 0.045 m η = 1.1	x: 0.045 m η = 20.5	x: 0.355 m η < 0.1	x: 0.045 m η = 5.2	x: 0.045 m η = 25.2	x: 0.045 m η = 21.6	x: 0.045 m η = 25.7	**CUMPLE h = 25.7**
N622/N608	w / t ≤(w / t)máx. Cumple	η < 0.1	η < 0.1	η = 0.3	x: 0.045 m η = 0.9	x: 0.045 m η = 18.2	x: 0.2 m η = 9.1	x: 0.045 m η = 0.4	x: 0.045 m η = 0.9	x: 0.045 m η = 18.3	x: 0.354 m η < 0.1	x: 0.045 m η = 4.1	x: 0.045 m η = 24.0	x: 0.045 m η = 17.7	x: 0.045 m η = 22.7	**CUMPLE h = 24.0**
N626/N612	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.1	x: 0.2 m η = 0.2	η = 0.5	x: 0.355 m η = 1.6	x: 0.355 m η = 11.6	x: 0.2 m η = 5.6	x: 0.355 m η = 0.7	x: 0.355 m η = 1.7	x: 0.355 m η = 11.7	x: 0.355 m η < 0.1	x: 0.355 m η = 1.7	x: 0.355 m η = 16.8	x: 0.355 m η = 12.2	x: 0.355 m η = 14.7	**CUMPLE h = 16.8**
N619/N605	w / t ≤(w / t)máx. Cumple	x: 0.354 m η = 0.5	x: 0.354 m η = 0.5	η = 0.4	x: 0.045 m η = 2.4	x: 0.355 m η = 21.0	x: 0.354 m η = 10.0	x: 0.355 m η = 1.1	x: 0.045 m η = 2.5	x: 0.355 m η = 21.0	x: 0.045 m η = 0.1	x: 0.355 m η = 5.4	x: 0.355 m η = 28.1	x: 0.355 m η = 23.5	x: 0.355 m η = 26.8	**CUMPLE h = 28.1**
N627/N613	w / t ≤(w / t)máx. Cumple	η = 0.1	η = 0.1	η = 0.4	x: 0.045 m η = 1.5	x: 0.045 m η = 19.1	x: 0.2 m η = 9.3	x: 0.355 m η = 0.7	x: 0.045 m η = 1.6	x: 0.045 m η = 19.1	x: 0.045 m η < 0.1	x: 0.045 m η = 4.5	x: 0.045 m η = 24.2	x: 0.045 m η = 20.7	x: 0.045 m η = 23.9	**CUMPLE h = 24.2**
N620/N606	w / t ≤(w / t)máx. Cumple	x: 0.2 m η = 0.1	x: 0.2 m η = 0.1	η = 0.4	x: 0.355 m η = 1.1	x: 0.045 m η = 19.1	x: 0.2 m η = 9.4	x: 0.355 m η = 0.6	x: 0.045 m η = 1.2	x: 0.045 m η = 19.3	x: 0.045 m η < 0.1	x: 0.045 m η = 4.6	x: 0.045 m η = 25.7	x: 0.045 m η = 19.1	x: 0.045 m η = 24.0	**CUMPLE h = 25.7**
N628/N614	w / t ≤(w / t)máx. Cumple	x: 0.2 m η < 0.1	x: 0.2 m η < 0.1	η = 0.4	x: 0.045 m η = 0.7	x: 0.355 m η = 17.8	x: 0.2 m η = 8.9	x: 0.045 m η = 0.4	x: 0.045 m η = 0.9	x: 0.355 m η = 17.9	x: 0.045 m η < 0.1	x: 0.355 m η = 4.0	x: 0.355 m η = 23.5	x: 0.355 m η = 17.1	x: 0.355 m η = 22.2	**CUMPLE h = 23.5**
N621/N607	w / t ≤(w / t)máx. Cumple	η = 0.2	η = 0.2	η = 0.4	x: 0.045 m η = 0.9	x: 0.355 m η = 20.7	x: 0.2 m η = 10.6	x: 0.355 m η = 0.5	x: 0.045 m η = 1.1	x: 0.355 m η = 20.7	x: 0.355 m η < 0.1	x: 0.355 m η = 5.3	x: 0.355 m η = 25.6	x: 0.355 m η = 21.6	x: 0.355 m η = 25.9	**CUMPLE h = 25.9**
N307/N423	x: 0.337 m w / t ≤(w / t)máx. Cumple	η = 1.6	η = 5.9	N.P.[5]	x: 2.382 m η = 21.9	x: 2.382 m η = 2.8	x: 0.045 m η = 0.2	x: 0.045 m η = 1.9	N.P.[6]	N.P.[7]	x: 2.09 m η = 4.7	x: 2.09 m η = 0.1	x: 2.382 m η = 9.1	x: 2.382 m η = 25.1	x: 2.09 m η = 23.4	**CUMPLE h = 25.1**
N320/N436	x: 0.046 m w / t ≤(w / t)máx. Cumple	η = 1.7	η = 5.2	N.P.[5]	x: 2.382 m η = 45.6	x: 2.382 m η = 6.3	x: 0.045 m η = 0.5	x: 0.045 m η = 3.9	N.P.[6]	N.P.[7]	x: 2.09 m η = 20.1	x: 2.09 m η = 0.4	x: 2.382 m η = 51.7	x: 2.382 m η = 30.7	x: 2.09 m η = 48.1	**CUMPLE h = 51.7**
N318/N434	x: 0.337 m w / t ≤(w / t)máx. Cumple	η = 1.6	η = 5.6	N.P.[5]	x: 2.382 m η = 21.9	x: 2.382 m η = 2.8	x: 0.045 m η = 0.2	x: 0.045 m η = 1.9	N.P.[6]	N.P.[7]	x: 2.09 m η = 4.7	x: 2.09 m η = 0.1	x: 2.382 m η = 24.6	x: 2.382 m η = 15.2	x: 2.09 m η = 22.9	**CUMPLE h = 24.6**
N539/N633	x: 0.045 m w / t ≤(w / t)máx. Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 5.4	x: 0.045 m η = 1.0	x: 0.045 m η = 0.1	x: 0.045 m η = 0.9	N.P.[6]	N.P.[7]	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 6.0	N.P.[2]	N.P.[8]	**CUMPLE h = 6.0**
N634/N135	x: 0.193 m w / t ≤(w / t)máx. Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 5.4	x: 1.155 m η = 1.1	x: 1.155 m η = 0.1	x: 1.155 m η = 0.9	N.P.[6]	N.P.[7]	x: 1.155 m η = 0.3	x: 1.154 m η < 0.1	x: 1.155 m η = 6.0	N.P.[2]	N.P.[9]	**CUMPLE h = 6.0**
N645/N137	x: 0.193 m w / t ≤(w / t)máx. Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 11.1	x: 1.155 m η = 1.7	x: 1.155 m η = 0.3	x: 1.155 m η = 1.9	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.3	x: 1.154 m η < 0.1	x: 1.155 m η = 12.7	N.P.[2]	N.P.[9]	**CUMPLE h = 12.7**
N309/N425	w / t ≤(w / t)máx. Cumple	x: 2.09 m η = 1.4	x: 2.09 m η = 13.6	η = 0.1	x: 4.719 m η = 36.9	x: 4.719 m η = 5.2	x: 4.719 m η = 0.5	x: 4.719 m η = 3.7	x: 4.719 m η = 36.9	x: 4.719 m η = 5.2	x: 4.719 m η = 13.8	x: 4.719 m η = 0.3	x: 0.045 m η = 30.6	x: 4.719 m η = 45.7	x: 4.719 m η = 50.1	**CUMPLE h = 50.1**
N541/N635	x: 0.045 m w / t ≤(w / t)máx. Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 11.1	x: 0.045 m η = 1.5	x: 0.045 m η = 0.3	x: 0.045 m η = 1.9	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.3	x: 0.045 m η < 0.1	x: 0.045 m η = 12.7	N.P.[2]	N.P.[8]	**CUMPLE h = 12.7**

Barras	COMPROBACIONES (AISI S100-16 (2016))														Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_y	M_yV_x	MT	MP	TPTrMV	
N646/N139	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 12.3	x: 1.155 m η = 1.9	x: 1.155 m η = 0.3	x: 1.155 m η = 2.1	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.6	x: 1.154 m η < 0.1	x: 1.155 m η = 14.0	N.P.[2]	N.P.[9]	**CUMPLE** **h = 14.0**
N311/N427	x: 0.046 m w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 1.2	N.P.[5]	x: 2.382 m η = 50.4	x: 2.382 m η = 7.0	x: 0.045 m η = 0.6	x: 0.045 m η = 4.3	N.P.[6]	N.P.[7]	x: 2.09 m η = 24.6	x: 2.09 m η = 0.5	x: 2.382 m η = 57.4	x: 2.382 m η = 33.8	x: 2.09 m η = 53.1	**CUMPLE** **h = 57.4**
N543/N636	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 12.3	x: 0.045 m η = 1.7	x: 0.045 m η = 0.3	x: 0.045 m η = 2.1	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.6	x: 0.045 m η < 0.1	x: 0.045 m η = 14.0	N.P.[2]	N.P.[8]	**CUMPLE** **h = 14.0**
N647/N141	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 12.3	x: 1.155 m η = 1.9	x: 1.155 m η = 0.3	x: 1.155 m η = 2.1	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.6	x: 1.154 m η < 0.1	x: 1.155 m η = 14.0	N.P.[2]	N.P.[9]	**CUMPLE** **h = 14.0**
N313/N429	x: 0.046 m w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.2	η = 0.5	N.P.[5]	x: 2.382 m η = 50.4	x: 2.382 m η = 7.0	x: 0.045 m η = 0.6	x: 0.045 m η = 4.3	N.P.[6]	N.P.[7]	x: 2.09 m η = 24.6	x: 2.09 m η = 0.5	x: 2.382 m η = 33.6	x: 2.382 m η = 57.5	x: 2.09 m η = 53.2	**CUMPLE** **h = 57.5**
N545/N637	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 12.3	x: 0.045 m η = 1.7	x: 0.045 m η = 0.3	x: 0.045 m η = 2.1	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.6	x: 0.045 m η < 0.1	x: 0.045 m η = 14.0	N.P.[2]	N.P.[8]	**CUMPLE** **h = 14.0**
N648/N143	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 12.5	x: 1.155 m η = 1.8	x: 1.155 m η = 0.3	x: 1.155 m η = 2.1	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.6	x: 1.154 m η < 0.1	x: 1.155 m η = 14.2	N.P.[2]	N.P.[9]	**CUMPLE** **h = 14.2**
N315/N431	x: 0.046 m w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.9	N.P.[5]	x: 2.382 m η = 51.2	x: 2.382 m η = 7.1	x: 0.045 m η = 0.6	x: 0.045 m η = 4.3	N.P.[6]	N.P.[7]	x: 2.09 m η = 25.4	x: 2.09 m η = 0.5	x: 2.382 m η = 34.2	x: 2.382 m η = 58.6	x: 2.09 m η = 54.3	**CUMPLE** **h = 58.6**
N547/N638	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 12.5	x: 0.045 m η = 1.7	x: 0.045 m η = 0.3	x: 0.045 m η = 2.1	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.6	x: 0.045 m η < 0.1	x: 0.045 m η = 14.2	N.P.[2]	N.P.[8]	**CUMPLE** **h = 14.2**
N649/N145	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 12.7	x: 1.155 m η = 1.8	η = 0.2	x: 1.155 m η = 2.2	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.7	x: 1.154 m η < 0.1	x: 1.155 m η = 12.7	N.P.[2]	N.P.[9]	**CUMPLE** **h = 12.7**
N317/N433	x: 0.046 m w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.7	η = 1.1	N.P.[5]	x: 2.382 m η = 51.9	N.P.[10]	N.P.[11]	x: 0.045 m η = 4.4	N.P.[6]	N.P.[7]	x: 2.09 m η = 26.1	N.P.[12]	x: 2.382 m η = 51.3	x: 2.382 m η = 28.7	x: 2.09 m η = 49.3	**CUMPLE** **h = 51.9**
N549/N639	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 12.7	x: 0.045 m η = 1.4	η = 0.1	x: 0.045 m η = 2.2	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.7	x: 0.045 m η < 0.1	x: 0.045 m η = 12.7	N.P.[2]	N.P.[8]	**CUMPLE** **h = 12.7**
N650/N154	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 12.5	x: 1.155 m η = 1.8	x: 1.155 m η = 0.3	x: 1.155 m η = 2.1	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.6	x: 1.154 m η < 0.1	x: 1.155 m η = 14.2	N.P.[2]	N.P.[9]	**CUMPLE** **h = 14.2**
N326/N442	x: 0.046 m w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.3	η = 0.9	N.P.[5]	x: 2.382 m η = 51.2	x: 2.382 m η = 7.1	x: 0.045 m η = 0.6	x: 0.045 m η = 4.3	N.P.[6]	N.P.[7]	x: 2.09 m η = 25.4	x: 2.09 m η = 0.5	x: 2.382 m η = 34.2	x: 2.382 m η = 58.6	x: 2.09 m η = 54.3	**CUMPLE** **h = 58.6**
N558/N640	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 12.5	x: 0.045 m η = 1.7	x: 0.045 m η = 0.3	x: 0.045 m η = 2.1	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.6	x: 0.045 m η < 0.1	x: 0.045 m η = 14.2	N.P.[2]	N.P.[8]	**CUMPLE** **h = 14.2**
N651/N152	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 12.3	x: 1.155 m η = 1.8	x: 1.155 m η = 0.3	x: 1.155 m η = 2.1	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.6	x: 1.154 m η < 0.1	x: 1.155 m η = 14.0	N.P.[2]	N.P.[9]	**CUMPLE** **h = 14.0**
N324/N440	x: 0.046 m w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.1	η = 0.5	N.P.[5]	x: 2.382 m η = 50.4	x: 2.382 m η = 7.0	x: 0.045 m η = 0.6	x: 0.045 m η = 4.3	N.P.[6]	N.P.[7]	x: 2.09 m η = 24.6	x: 2.09 m η = 0.5	x: 2.382 m η = 33.6	x: 2.382 m η = 57.5	x: 2.09 m η = 53.2	**CUMPLE** **h = 57.5**
N556/N641	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 12.3	x: 0.045 m η = 1.7	x: 0.045 m η = 0.3	x: 0.045 m η = 2.1	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.6	x: 0.045 m η < 0.1	x: 0.045 m η = 14.0	N.P.[2]	N.P.[8]	**CUMPLE** **h = 14.0**
N652/N150	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 12.3	x: 1.155 m η = 1.9	x: 1.155 m η = 0.3	x: 1.155 m η = 2.1	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.6	x: 1.154 m η < 0.1	x: 1.155 m η = 14.0	N.P.[2]	N.P.[9]	**CUMPLE** **h = 14.0**
N322/N438	x: 0.046 m w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 0.4	η = 1.1	N.P.[5]	x: 2.382 m η = 50.4	x: 2.382 m η = 7.0	x: 0.045 m η = 0.6	x: 0.045 m η = 4.3	N.P.[6]	N.P.[7]	x: 2.09 m η = 24.6	x: 2.09 m η = 0.5	x: 2.382 m η = 57.4	x: 2.382 m η = 33.8	x: 2.09 m η = 53.1	**CUMPLE** **h = 57.4**
N554/N642	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 12.3	x: 0.045 m η = 1.7	x: 0.045 m η = 0.3	x: 0.045 m η = 2.1	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.6	x: 0.045 m η < 0.1	x: 0.045 m η = 14.0	N.P.[2]	N.P.[8]	**CUMPLE** **h = 14.0**
N653/N148	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 11.1	x: 1.155 m η = 1.7	x: 1.155 m η = 0.3	x: 1.155 m η = 1.9	N.P.[6]	N.P.[7]	x: 1.155 m η = 1.3	x: 1.154 m η < 0.1	x: 1.155 m η = 12.7	N.P.[2]	N.P.[9]	**CUMPLE** **h = 12.7**
N552/N643	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 11.1	x: 0.045 m η = 1.5	x: 0.045 m η = 0.3	x: 0.045 m η = 1.9	N.P.[6]	N.P.[7]	x: 0.045 m η = 1.3	x: 0.045 m η < 0.1	x: 0.045 m η = 12.7	N.P.[2]	N.P.[8]	**CUMPLE** **h = 12.7**
N654/N146	x: 0.193 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 1.155 m η = 5.4	x: 1.155 m η = 1.1	x: 1.155 m η = 0.1	x: 1.155 m η = 0.9	N.P.[6]	N.P.[7]	x: 1.155 m η = 0.3	x: 1.154 m η < 0.1	x: 1.155 m η = 6.0	N.P.[2]	N.P.[9]	**CUMPLE** **h = 6.0**
N550/N644	x: 0.045 m w / t ≤ (w / t)$_{Máx.}$ Cumple	N.P.[3]	N.P.[1]	N.P.[5]	x: 0.045 m η = 5.4	x: 0.045 m η = 0.7	x: 0.045 m η = 0.1	x: 0.045 m η = 0.9	N.P.[6]	N.P.[7]	x: 0.045 m η = 0.3	x: 0.045 m η < 0.1	x: 0.045 m η = 6.0	N.P.[2]	N.P.[8]	**CUMPLE** **h = 6.0**
N346/N347	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 8.3	η = 4.7	η = 0.5	x: 0.218 m η = 5.1	x: 0.218 m η = 4.5	η = 2.4	x: 0.563 m η = 2.4	x: 0.218 m η = 5.3	x: 0.218 m η = 4.7	x: 0.218 m η = 0.3	x: 0.218 m η = 0.3	x: 0.218 m η = 17.7	x: 0.218 m η = 11.2	x: 0.218 m η = 13.8	**CUMPLE** **h = 17.7**
N347/N348	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 8.2	η = 4.8	η = 0.3	x: 0.037 m η = 2.7	x: 0.037 m η = 1.6	η = 0.2	x: 0.037 m η = 0.8	x: 0.037 m η = 2.7	x: 0.037 m η = 1.7	x: 0.037 m η = 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 12.0	x: 0.037 m η = 6.4	x: 0.037 m η = 11.1	**CUMPLE** **h = 12.0**
N348/N349	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 5.6	η = 3.9	η = 0.5	x: 0.057 m η = 0.9	x: 0.057 m η = 0.9	x: 0.31 m η = 0.3	x: 0.563 m η = 0.4	x: 0.563 m η = 1.0	x: 0.057 m η = 1.0	x: 0.562 m η < 0.1	x: 0.057 m η < 0.1	N.P.[4]	x: 0.057 m η = 5.6	x: 0.057 m η = 6.8	**CUMPLE** **h = 6.8**
N349/N350	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 5.3	η = 3.7	η = 0.4	x: 0.037 m η = 1.4	x: 0.543 m η = 1.1	x: 0.542 m η = 0.3	x: 0.037 m η = 0.5	x: 0.037 m η = 1.5	x: 0.543 m η = 1.1	x: 0.037 m η < 0.1	x: 0.542 m η < 0.1	x: 0.037 m η = 8.0	x: 0.037 m η = 4.9	x: 0.037 m η = 7.3	**CUMPLE** **h = 8.0**
N350/N351	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.31 m η = 3.7	x: 0.31 m η = 3.2	η = 0.4	x: 0.057 m η = 1.0	x: 0.563 m η = 1.1	x: 0.562 m η = 0.3	x: 0.563 m η = 0.4	x: 0.057 m η = 1.1	x: 0.563 m η = 1.2	x: 0.057 m η < 0.1	x: 0.562 m η < 0.1	x: 0.563 m η = 5.9	x: 0.563 m η = 4.8	x: 0.563 m η = 5.2	**CUMPLE** **h = 5.9**
N351/N352	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 3.6	η = 3.1	η = 0.3	x: 0.543 m η = 1.4	x: 0.543 m η = 1.3	x: 0.542 m η = 0.3	x: 0.037 m η = 0.5	x: 0.543 m η = 1.5	x: 0.543 m η = 1.4	x: 0.543 m η < 0.1	x: 0.542 m η < 0.1	x: 0.543 m η = 7.0	x: 0.543 m η = 4.7	x: 0.543 m η = 5.9	**CUMPLE** **h = 7.0**
N352/N353	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 3.1	η = 3.2	η = 0.3	x: 0.057 m η = 1.2	x: 0.057 m η = 0.9	x: 0.562 m η = 0.3	x: 0.563 m η = 0.4	x: 0.057 m η = 1.3	x: 0.057 m η = 1.0	x: 0.057 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 5.4	x: 0.563 m η = 4.5	x: 0.057 m η = 4.7	**CUMPLE** **h = 5.4**
N353/N354	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.037 m η = 3.1	x: 0.037 m η = 3.3	η = 0.3	x: 0.543 m η = 1.4	x: 0.543 m η = 1.2	x: 0.542 m η = 0.3	x: 0.037 m η = 0.5	x: 0.543 m η = 1.6	x: 0.543 m η = 1.4	x: 0.543 m η < 0.1	x: 0.542 m η < 0.1	x: 0.543 m η = 6.8	x: 0.543 m η = 5.1	x: 0.543 m η = 5.5	**CUMPLE** **h = 6.8**
N354/N355	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.562 m η = 3.1	x: 0.562 m η = 3.3	η = 0.3	x: 0.057 m η = 1.4	x: 0.563 m η = 1.2	x: 0.562 m η = 0.3	x: 0.563 m η = 0.5	x: 0.057 m η = 1.4	x: 0.563 m η = 1.2	x: 0.057 m η < 0.1	x: 0.562 m η < 0.1	x: 0.563 m η = 5.9	x: 0.563 m η = 5.0	x: 0.563 m η = 5.1	**CUMPLE** **h = 5.9**
N355/N356	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 3.1	η = 3.3	η = 0.3	x: 0.543 m η = 1.2	x: 0.037 m η = 1.3	x: 0.037 m η = 0.3	x: 0.037 m η = 0.4	x: 0.543 m η = 1.3	x: 0.037 m η = 1.4	x: 0.543 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 6.1	x: 0.037 m η = 5.2	x: 0.037 m η = 5.1	**CUMPLE** **h = 6.1**
N356/N357	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.563 m η = 3.7	x: 0.563 m η = 3.2	η = 0.3	x: 0.057 m η = 1.4	x: 0.057 m η = 1.3	x: 0.057 m η = 0.3	x: 0.563 m η = 0.5	x: 0.057 m η = 1.5	x: 0.057 m η = 1.4	x: 0.057 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 7.1	x: 0.057 m η = 4.8	x: 0.057 m η = 5.9	**CUMPLE** **h = 7.1**
N357/N358	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 3.8	η = 3.3	η = 0.3	x: 0.543 m η = 1.0	x: 0.037 m η = 0.9	x: 0.037 m η = 0.3	x: 0.037 m η = 0.4	x: 0.543 m η = 1.0	x: 0.543 m η = 1.0	x: 0.542 m η < 0.1	x: 0.542 m η < 0.1	N.P.[4]	x: 0.543 m η = 4.8	x: 0.037 m η = 4.9	**CUMPLE** **h = 4.9**
N358/N359	w / t ≤ (w / t)$_{Máx.}$ Cumple	x: 0.563 m η = 6.0	x: 0.563 m η = 4.4	η = 0.3	x: 0.563 m η = 1.6	x: 0.057 m η = 1.0	x: 0.057 m η = 0.3	x: 0.563 m η = 0.5	x: 0.563 m η = 1.6	x: 0.057 m η = 1.0	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.563 m η = 8.9	x: 0.563 m η = 5.8	x: 0.563 m η = 5.8	**CUMPLE** **h = 8.9**
N359/N360	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 6.1	η = 4.5	η = 0.5	x: 0.037 m η = 0.9	x: 0.54 m η = 0.7	x: 0.037 m η = 0.2	x: 0.037 m η = 0.4	x: 0.037 m η = 1.1	x: 0.037 m η = 0.9	x: 0.037 m η < 0.1	x: 0.037 m η < 0.1	N.P.[4]	x: 0.54 m η = 5.8	x: 0.037 m η = 7.3	**CUMPLE** **h = 7.3**
N360/N361	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 8.5	η = 5.1	η = 0.3	x: 0.563 m η = 2.7	x: 0.563 m η = 1.4	η = 0.1	x: 0.563 m η = 0.8	x: 0.563 m η = 2.8	x: 0.563 m η = 1.5	x: 0.563 m η = 0.1	x: 0.562 m η < 0.1	x: 0.563 m η = 11.9	x: 0.563 m η = 6.5	x: 0.563 m η = 11.5	**CUMPLE** **h = 11.9**
N361/N362	w / t ≤ (w / t)$_{Máx.}$ Cumple	η = 8.5	η = 5.0	η = 0.5	x: 0.382 m η = 5.2	x: 0.382 m η = 5.1	x: 0.21 m η = 2.7	x: 0.037 m η = 2.4	x: 0.382 m η = 5.5	x: 0.382 m η = 5.3	x: 0.382 m η = 0.4	x: 0.382 m η = 0.3	x: 0.382 m η = 18.3	x: 0.382 m η = 12.3	x: 0.382 m η = 14.3	**CUMPLE** **h = 18.3**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N365/N366	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.046 m η = 3.6	x: 0.046 m η = 4.2	x: 0.045 m η = 0.3	x: 0.045 m η = 5.7	x: 0.543 m η = 5.8	x: 0.046 m η = 1.8	x: 0.045 m η = 1.5	x: 0.045 m η = 5.7	x: 0.543 m η = 5.9	x: 0.045 m η = 0.3	x: 0.543 m η = 0.4	x: 0.045 m η = 10.3	x: 0.045 m η = 10.9	x: 0.045 m η = 11.3	**CUMPLE h = 11.3**
N366/N367	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.1	η = 2.3	η = 0.2	x: 0.057 m η = 1.5	x: 0.057 m η = 2.5	x: 0.562 m η = 0.8	x: 0.057 m η = 0.5	x: 0.057 m η = 1.5	x: 0.057 m η = 2.5	x: 0.057 m η < 0.1	x: 0.057 m η = 0.1	x: 0.057 m η = 6.1	x: 0.057 m η = 3.8	x: 0.563 m η = 5.3	**CUMPLE h = 6.1**
N367/N368	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.037 m η = 4.4	x: 0.037 m η = 2.6	η = 0.5	x: 0.037 m η = 0.8	x: 0.543 m η = 2.5	x: 0.038 m η = 0.9	x: 0.543 m η = 0.3	x: 0.543 m η = 1.0	x: 0.543 m η = 2.7	x: 0.542 m η < 0.1	x: 0.543 m η = 0.1	x: 0.037 m η = 6.4	x: 0.037 m η = 4.0	x: 0.037 m η = 5.9	**CUMPLE h = 6.4**
N368/N369	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.3	η = 0.8	η = 0.4	x: 0.057 m η = 1.5	x: 0.563 m η = 2.1	η = 0.6	x: 0.057 m η = 0.5	x: 0.057 m η = 1.5	x: 0.563 m η = 2.2	x: 0.057 m η < 0.1	x: 0.563 m η = 0.1	x: 0.563 m η = 8.0	x: 0.057 m η = 2.8	x: 0.563 m η = 6.8	**CUMPLE h = 8.0**
N369/N370	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.5	η = 0.9	η = 0.4	x: 0.037 m η = 1.0	x: 0.543 m η = 2.4	η = 0.7	x: 0.543 m η = 0.4	x: 0.037 m η = 1.2	x: 0.543 m η = 2.5	x: 0.037 m η < 0.1	x: 0.543 m η = 0.1	x: 0.543 m η = 8.7	x: 0.543 m η = 3.9	x: 0.543 m η = 7.5	**CUMPLE h = 8.7**
N370/N371	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.563 m η = 5.2	x: 0.563 m η = 0.8	η = 0.3	x: 0.563 m η = 1.4	x: 0.057 m η = 0.9	η = 0.3	x: 0.057 m η = 0.5	x: 0.563 m η = 1.5	x: 0.057 m η = 1.0	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.563 m η = 8.1	x: 0.057 m η = 2.3	x: 0.563 m η = 7.2	**CUMPLE h = 8.1**
N371/N372	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.4	η = 0.9	η = 0.3	x: 0.037 m η = 1.2	x: 0.543 m η = 1.0	x: 0.037 m η = 0.3	x: 0.543 m η = 0.4	x: 0.037 m η = 1.3	x: 0.543 m η = 1.0	x: 0.037 m η < 0.1	x: 0.542 m η < 0.1	x: 0.037 m η = 7.2	x: 0.543 m η = 2.5	x: 0.543 m η = 7.1	**CUMPLE h = 7.2**
N372/N373	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 5.7	x: 0.562 m η = 0.9	η = 0.3	x: 0.563 m η = 1.4	x: 0.057 m η = 0.8	x: 0.057 m η = 0.3	x: 0.057 m η = 0.5	x: 0.563 m η = 1.5	x: 0.057 m η = 0.9	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.563 m η = 8.4	x: 0.057 m η = 2.5	x: 0.563 m η = 7.6	**CUMPLE h = 8.4**
N373/N374	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.542 m η = 5.7	x: 0.542 m η = 1.0	η = 0.3	x: 0.037 m η = 1.4	x: 0.543 m η = 0.9	x: 0.542 m η = 0.3	x: 0.543 m η = 0.5	x: 0.037 m η = 1.4	x: 0.543 m η = 1.0	x: 0.037 m η < 0.1	x: 0.542 m η < 0.1	x: 0.037 m η = 8.1	x: 0.543 m η = 2.5	x: 0.037 m η = 7.5	**CUMPLE h = 8.1**
N374/N375	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.5	η = 1.0	η = 0.3	x: 0.563 m η = 1.3	x: 0.057 m η = 1.4	x: 0.057 m η = 0.3	x: 0.057 m η = 0.4	x: 0.563 m η = 1.3	x: 0.057 m η = 1.5	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 8.6	x: 0.057 m η = 3.2	x: 0.057 m η = 7.6	**CUMPLE h = 8.6**
N375/N376	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.3	η = 0.9	η = 0.3	x: 0.037 m η = 1.4	x: 0.037 m η = 1.1	x: 0.037 m η = 0.3	x: 0.542 m η = 0.5	x: 0.037 m η = 1.5	x: 0.037 m η = 1.2	x: 0.037 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 8.6	x: 0.037 m η = 2.4	x: 0.037 m η = 7.5	**CUMPLE h = 8.6**
N376/N377	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 4.4	x: 0.562 m η = 0.8	η = 0.3	x: 0.563 m η = 1.0	x: 0.057 m η = 1.5	x: 0.562 m η = 0.4	x: 0.057 m η = 0.4	x: 0.563 m η = 1.1	x: 0.057 m η = 1.6	x: 0.562 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 7.4	x: 0.057 m η = 2.9	x: 0.057 m η = 6.4	**CUMPLE h = 7.4**
N377/N378	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.0	η = 0.4	η = 0.3	x: 0.543 m η = 1.6	x: 0.037 m η = 1.5	x: 0.037 m η = 0.3	x: 0.542 m η = 0.5	x: 0.543 m η = 1.7	x: 0.037 m η = 1.5	x: 0.543 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 7.4	x: 0.543 m η = 2.6	x: 0.543 m η = 6.4	**CUMPLE h = 7.4**
N378/N379	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.1	η = 2.1	η = 0.5	x: 0.057 m η = 0.9	x: 0.057 m η = 3.1	η = 1.1	x: 0.057 m η = 0.3	x: 0.057 m η = 1.1	x: 0.057 m η = 3.3	x: 0.057 m η < 0.1	x: 0.057 m η = 0.1	x: 0.057 m η = 7.3	x: 0.56 m η = 3.4	x: 0.057 m η = 5.9	**CUMPLE h = 7.3**
N379/N380	$w / t \leq (w / t)_{máx.}$ Cumple	η = 3.9	η = 2.1	η = 0.2	x: 0.543 m η = 1.5	x: 0.543 m η = 2.8	x: 0.29 m η = 0.9	x: 0.543 m η = 0.5	x: 0.543 m η = 1.5	x: 0.543 m η = 2.8	x: 0.543 m η < 0.1	x: 0.543 m η = 0.1	x: 0.543 m η = 6.4	x: 0.543 m η = 3.1	x: 0.543 m η = 5.2	**CUMPLE h = 6.4**
N380/N381	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.554 m η = 3.5	x: 0.554 m η = 4.0	x: 0.554 m η = 0.2	x: 0.555 m η = 5.6	x: 0.057 m η = 5.9	x: 0.554 m η = 1.9	x: 0.554 m η = 1.4	x: 0.555 m η = 5.6	x: 0.057 m η = 6.0	x: 0.555 m η = 0.3	x: 0.057 m η = 0.4	x: 0.057 m η = 9.9	x: 0.555 m η = 10.1	x: 0.555 m η = 10.9	**CUMPLE h = 10.9**
N481/N482	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.294 m η = 7.4	x: 0.294 m η = 8.2	x: 0.045 m η = 1.2	x: 0.045 m η = 6.7	x: 0.543 m η = 5.4	x: 0.045 m η = 1.9	x: 0.045 m η = 1.8	x: 0.045 m η = 6.8	x: 0.543 m η = 5.9	x: 0.045 m η = 0.5	x: 0.543 m η = 0.4	x: 0.045 m η = 16.2	x: 0.045 m η = 16.6	x: 0.045 m η = 16.8	**CUMPLE h = 16.8**
N482/N483	$w / t \leq (w / t)_{máx.}$ Cumple	η = 7.2	η = 5.7	η = 0.2	x: 0.057 m η = 1.7	x: 0.057 m η = 2.6	x: 0.31 m η = 0.8	x: 0.057 m η = 0.6	x: 0.057 m η = 1.8	x: 0.057 m η = 2.7	x: 0.057 m η < 0.1	x: 0.057 m η = 0.1	x: 0.563 m η = 9.8	x: 0.057 m η = 6.9	x: 0.563 m η = 9.2	**CUMPLE h = 9.8**
N483/N484	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.9	η = 5.3	η = 0.5	x: 0.037 m η = 1.5	x: 0.543 m η = 2.5	x: 0.29 m η = 0.9	x: 0.543 m η = 0.4	x: 0.037 m η = 1.6	x: 0.543 m η = 2.7	x: 0.037 m η < 0.1	x: 0.543 m η = 0.1	x: 0.037 m η = 9.7	x: 0.037 m η = 7.2	x: 0.037 m η = 9.0	**CUMPLE h = 9.7**
N484/N485	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.3	η = 3.0	η = 0.4	x: 0.563 m η = 1.6	x: 0.563 m η = 2.1	η = 0.6	x: 0.057 m η = 0.6	x: 0.563 m η = 1.6	x: 0.563 m η = 2.2	x: 0.057 m η < 0.1	x: 0.563 m η = 0.1	x: 0.563 m η = 9.7	x: 0.057 m η = 4.3	x: 0.563 m η = 8.3	**CUMPLE h = 9.7**
N485/N486	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.1	η = 2.7	η = 0.4	x: 0.037 m η = 1.4	x: 0.543 m η = 2.4	η = 0.7	x: 0.543 m η = 0.5	x: 0.037 m η = 1.5	x: 0.543 m η = 2.6	x: 0.037 m η < 0.1	x: 0.543 m η = 0.1	x: 0.543 m η = 10.4	x: 0.543 m η = 5.7	x: 0.543 m η = 8.9	**CUMPLE h = 10.4**
N486/N487	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.057 m η = 6.5	x: 0.057 m η = 2.2	η = 0.3	x: 0.563 m η = 1.7	x: 0.057 m η = 0.9	x: 0.057 m η = 0.3	x: 0.057 m η = 0.6	x: 0.563 m η = 1.8	x: 0.057 m η = 1.0	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 9.7	x: 0.057 m η = 4.1	x: 0.563 m η = 8.7	**CUMPLE h = 9.7**
N487/N488	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.6	η = 2.2	η = 0.3	x: 0.037 m η = 1.6	x: 0.543 m η = 1.0	x: 0.542 m η = 0.3	x: 0.543 m η = 0.6	x: 0.037 m η = 1.6	x: 0.543 m η = 1.0	x: 0.037 m η < 0.1	x: 0.542 m η < 0.1	x: 0.543 m η = 9.5	x: 0.543 m η = 4.2	x: 0.543 m η = 8.5	**CUMPLE h = 9.5**
N488/N489	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.31 m η = 6.9	x: 0.31 m η = 2.3	η = 0.3	x: 0.563 m η = 1.8	x: 0.057 m η = 0.8	x: 0.31 m η = 0.3	x: 0.057 m η = 0.6	x: 0.563 m η = 1.9	x: 0.057 m η = 0.9	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.563 m η = 10.1	x: 0.057 m η = 4.3	x: 0.563 m η = 9.2	**CUMPLE h = 10.1**
N489/N490	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.9	η = 2.3	η = 0.3	x: 0.037 m η = 1.7	x: 0.543 m η = 0.9	x: 0.542 m η = 0.3	x: 0.543 m η = 0.6	x: 0.037 m η = 1.8	x: 0.543 m η = 1.0	x: 0.037 m η < 0.1	x: 0.542 m η < 0.1	x: 0.543 m η = 9.9	x: 0.543 m η = 4.3	x: 0.037 m η = 9.2	**CUMPLE h = 9.9**
N490/N491	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 6.7	x: 0.562 m η = 2.4	η = 0.3	x: 0.563 m η = 1.6	x: 0.057 m η = 1.4	x: 0.057 m η = 0.3	x: 0.057 m η = 0.6	x: 0.563 m η = 1.7	x: 0.057 m η = 1.5	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 10.3	x: 0.057 m η = 4.9	x: 0.057 m η = 9.1	**CUMPLE h = 10.3**
N491/N492	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.5	η = 2.2	η = 0.3	x: 0.037 m η = 1.8	x: 0.037 m η = 1.1	x: 0.037 m η = 0.3	x: 0.543 m η = 0.6	x: 0.037 m η = 1.8	x: 0.037 m η = 1.2	x: 0.037 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 10.2	x: 0.037 m η = 4.1	x: 0.037 m η = 9.1	**CUMPLE h = 10.2**
N492/N493	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.6	η = 2.2	η = 0.3	x: 0.563 m η = 1.4	x: 0.057 m η = 1.5	x: 0.562 m η = 0.4	x: 0.057 m η = 0.5	x: 0.563 m η = 1.5	x: 0.057 m η = 1.6	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 9.1	x: 0.057 m η = 4.7	x: 0.057 m η = 7.9	**CUMPLE h = 9.1**
N493/N494	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.7	η = 2.3	η = 0.3	x: 0.543 m η = 1.6	x: 0.037 m η = 1.5	x: 0.037 m η = 0.3	x: 0.543 m η = 0.6	x: 0.543 m η = 1.7	x: 0.037 m η = 1.5	x: 0.543 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 9.1	x: 0.543 m η = 4.1	x: 0.037 m η = 8.0	**CUMPLE h = 9.1**
N494/N495	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.308 m η = 6.3	x: 0.308 m η = 4.7	η = 0.5	x: 0.56 m η = 1.3	x: 0.057 m η = 3.1	η = 1.1	x: 0.057 m η = 0.4	x: 0.057 m η = 1.4	x: 0.057 m η = 3.3	x: 0.057 m η < 0.1	x: 0.057 m η = 0.1	x: 0.057 m η = 9.4	x: 0.057 m η = 6.1	x: 0.56 m η = 7.9	**CUMPLE h = 9.4**
N495/N496	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.3	η = 4.8	η = 0.2	x: 0.543 m η = 1.7	x: 0.543 m η = 2.9	η = 0.9	x: 0.543 m η = 0.6	x: 0.543 m η = 1.8	x: 0.543 m η = 2.9	x: 0.543 m η < 0.1	x: 0.543 m η = 0.1	x: 0.543 m η = 8.7	x: 0.543 m η = 5.7	x: 0.037 m η = 7.8	**CUMPLE h = 8.7**
N496/N497	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.7	η = 7.4	x: 0.554 m η = 1.3	x: 0.555 m η = 6.8	x: 0.057 m η = 5.6	x: 0.554 m η = 2.0	x: 0.555 m η = 1.8	x: 0.555 m η = 6.9	x: 0.057 m η = 6.1	x: 0.555 m η = 0.5	x: 0.057 m η = 0.4	x: 0.555 m η = 15.3	x: 0.555 m η = 15.5	x: 0.555 m η = 16.0	**CUMPLE h = 16.0**
N462/N463	$w / t \leq (w / t)_{máx.}$ Cumple	η = 6.7	η = 2.9	η = 0.4	x: 0.218 m η = 6.1	x: 0.563 m η = 2.3	x: 0.218 m η = 1.0	x: 0.562 m η = 2.8	x: 0.218 m η = 6.3	x: 0.563 m η = 2.4	x: 0.218 m η = 0.5	x: 0.563 m η = 0.1	x: 0.218 m η = 16.1	x: 0.218 m η = 9.7	x: 0.218 m η = 14.3	**CUMPLE h = 16.1**
N463/N464	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.29 m η = 7.0	x: 0.29 m η = 3.4	η = 0.3	x: 0.037 m η = 3.1	x: 0.543 m η = 1.1	η = 0.2	x: 0.037 m η = 0.9	x: 0.037 m η = 3.3	x: 0.543 m η = 1.3	x: 0.037 m η = 0.1	x: 0.542 m η < 0.1	x: 0.037 m η = 11.5	x: 0.037 m η = 5.4	x: 0.037 m η = 10.9	**CUMPLE h = 11.5**
N464/N465	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.2	η = 3.4	η = 0.5	x: 0.057 m η = 1.5	x: 0.057 m η = 0.9	η = 0.3	x: 0.563 m η = 0.4	x: 0.057 m η = 1.6	x: 0.057 m η = 1.0	x: 0.057 m η < 0.1	x: 0.057 m η < 0.1	x: 0.563 m η = 7.7	x: 0.563 m η = 5.0	x: 0.563 m η = 6.7	**CUMPLE h = 7.7**
N465/N466	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.038 m η = 5.4	x: 0.038 m η = 3.8	η = 0.4	x: 0.543 m η = 1.6	x: 0.543 m η = 1.1	x: 0.038 m η = 0.3	x: 0.037 m η = 0.6	x: 0.543 m η = 1.6	x: 0.543 m η = 1.1	x: 0.037 m η < 0.1	x: 0.542 m η < 0.1	x: 0.543 m η = 8.6	x: 0.543 m η = 5.2	x: 0.543 m η = 7.6	**CUMPLE h = 8.6**
N466/N467	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.5	η = 4.1	η = 0.4	x: 0.057 m η = 1.4	x: 0.563 m η = 1.1	x: 0.562 m η = 0.3	x: 0.563 m η = 0.5	x: 0.057 m η = 1.5	x: 0.563 m η = 1.2	x: 0.057 m η < 0.1	x: 0.562 m η < 0.1	x: 0.563 m η = 7.7	x: 0.563 m η = 6.3	x: 0.563 m η = 6.6	**CUMPLE h = 7.7**
N467/N468	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.6	η = 4.2	η = 0.3	x: 0.543 m η = 1.7	x: 0.543 m η = 1.3	x: 0.542 m η = 0.3	x: 0.037 m η = 0.6	x: 0.543 m η = 1.8	x: 0.543 m η = 1.4	x: 0.543 m η < 0.1	x: 0.542 m η < 0.1	x: 0.543 m η = 8.6	x: 0.543 m η = 6.3	x: 0.543 m η = 7.3	**CUMPLE h = 8.6**
N468/N469	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.1	η = 4.4	η = 0.3	x: 0.057 m η = 1.6	x: 0.057 m η = 0.9	x: 0.562 m η = 0.3	x: 0.563 m η = 0.6	x: 0.057 m η = 1.6	x: 0.057 m η = 1.0	x: 0.057 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 6.9	x: 0.563 m η = 6.0	x: 0.057 m η = 6.2	**CUMPLE h = 6.9**
N469/N470	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.037 m η = 4.2	x: 0.037 m η = 4.5	η = 0.3	x: 0.543 m η = 1.8	x: 0.543 m η = 1.2	x: 0.542 m η = 0.3	x: 0.037 m η = 0.6	x: 0.543 m η = 1.9	x: 0.543 m η = 1.4	x: 0.543 m η < 0.1	x: 0.542 m η < 0.1	x: 0.543 m η = 8.3	x: 0.543 m η = 6.7	x: 0.543 m η = 6.9	**CUMPLE h = 8.3**
N470/N471	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.2	η = 4.5	η = 0.3	x: 0.057 m η = 1.7	x: 0.563 m η = 1.2	x: 0.562 m η = 0.3	x: 0.563 m η = 0.6	x: 0.057 m η = 1.8	x: 0.563 m η = 1.2	x: 0.057 m η < 0.1	x: 0.562 m η < 0.1	x: 0.563 m η = 7.3	x: 0.563 m η = 6.5	x: 0.057 m η = 6.4	**CUMPLE h = 7.3**
N471/N472	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.1	η = 4.4	η = 0.3	x: 0.543 m η = 1.6	x: 0.037 m η = 1.4	x: 0.037 m η = 0.3	x: 0.037 m η = 0.6	x: 0.543 m η = 1.7	x: 0.037 m η = 1.4	x: 0.037 m η < 0.1	x: 0.037 m η < 0.1	x: 0.037 m η = 7.6	x: 0.037 m η = 6.8	x: 0.037 m η = 6.5	**CUMPLE h = 7.6**
N472/N473	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.5	η = 4.1	η = 0.3	x: 0.057 m η = 1.8	x: 0.057 m η = 1.3	x: 0.057 m η = 0.3	x: 0.563 m η = 0.6	x: 0.057 m η = 1.9	x: 0.057 m η = 1.4	x: 0.057 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 8.6	x: 0.057 m η = 6.2	x: 0.057 m η = 7.2	**CUMPLE h = 8.6**
N473/N474	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.4	η = 4.0	η = 0.3	x: 0.543 m η = 1.3	x: 0.037 m η = 0.9	x: 0.037 m η = 0.3	x: 0.037 m η = 0.5	x: 0.543 m η = 1.4	x: 0.543 m η = 1.0	x: 0.543 m η < 0.1	x: 0.542 m η < 0.1	x: 0.037 m η = 7.1	x: 0.037 m η = 5.8	x: 0.037 m η = 6.2	**CUMPLE h = 7.1**
N474/N475	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.5	η = 3.8	η = 0.3	x: 0.057 m η = 1.6	x: 0.057 m η = 1.0	x: 0.057 m η = 0.3	x: 0.563 m η = 0.6	x: 0.057 m η = 1.6	x: 0.057 m η = 1.0	x: 0.563 m η < 0.1	x: 0.057 m η < 0.1	x: 0.057 m η = 8.7	x: 0.057 m η = 5.3	x: 0.057 m η = 7.8	**CUMPLE h = 8.7**
N475/N476	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.288 m η = 5.7	x: 0.288 m η = 4.0	x: 0.539 m η = 0.5	x: 0.54 m η = 1.3	x: 0.54 m η = 0.7	η = 0.2	x: 0.037 m η = 0.4	x: 0.037 m η = 1.4	x: 0.54 m η = 1.0	x: 0.037 m η < 0.1	x: 0.539 m η < 0.1	x: 0.037 m η = 8.3	x: 0.037 m η = 5.6	x: 0.037 m η = 7.1	**CUMPLE h = 8.3**
N476/N477	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.562 m η = 7.2	x: 0.562 m η = 3.7	η = 0.3	x: 0.563 m η = 3.3	x: 0.057 m η = 1.5	x: 0.31 m η = 0.3	x: 0.563 m η = 0.9	x: 0.563 m η = 3.4	x: 0.057 m η = 1.6	x: 0.563 m η = 0.1	x: 0.057 m η < 0.1	x: 0.563 m η = 11.6	x: 0.057 m η = 5.7	x: 0.563 m η = 11.1	**CUMPLE h = 11.6**
N477/N478	$w / t \leq (w / t)_{máx.}$ Cumple	η = 7.2	η = 3.6	η = 0.4	x: 0.382 m η = 6.6	x: 0.037 m η = 2.6	x: 0.381 m η = 1.2	x: 0.037 m η = 3.0	x: 0.382 m η = 6.8	x: 0.037 m η = 2.7	x: 0.382 m η = 0.5	x: 0.037 m η = 0.1	x: 0.382 m η = 17.4	x: 0.382 m η = 10.3	x: 0.382 m η = 15.0	**CUMPLE h = 17.4**
N16/N188	$w / t \leq (w / t)_{máx.}$ Cumple	η = 5.0	η = 5.3	η = 0.4	x: 0.352 m η = 39.8	x: 0.352 m η = 21.8	η = 12.7	x: 0.045 m η = 24.3	x: 0.352 m η = 39.9	x: 0.352 m η = 21.9	x: 0.352 m η = 21.8	x: 0.352 m η = 6.4	x: 0.352 m η = 80.6	x: 0.352 m η = 66.3	x: 0.352 m η = 61.1	**CUMPLE h = 80.6**
N188/N625	$w / t \leq (w / t)_{máx.}$ Cumple	η = 7.6	η = 7.8	η = 1.1	x: 0.045 m η = 10.7	x: 0.045 m η = 7.7	η = 1.6	x: 0.045 m η = 1.7	x: 0.045 m η = 10.8	x: 0.045 m η = 7.9	x: 0.045 m η = 1.2	x: 0.045 m η = 0.6	x: 0.045 m η = 27.8	x: 0.045 m η = 21.6	x: 0.045 m η = 21.1	**CUMPLE h = 27.8**
N625/N624	$w / t \leq (w / t)_{máx.}$ Cumple	η = 4.0	η = 4.7	x: 0.31 m η = 0.8	x: 0.057 m η = 3.7	x: 0.057 m η = 9.5	x: 0.562 m η = 2.9	x: 0.057 m η = 1.0	x: 0.057 m η = 4.0	x: 0.057 m η = 9.8	x: 0.057 m η = 0.2	x: 0.057 m η = 1.0	x: 0.057 m η = 17.9	x: 0.057 m η = 13.6	x: 0.057 m η = 13.4	**CUMPLE h = 17.9**
N624/N623	$w / t \leq (w / t)_{máx.}$ Cumple	x: 0.29 m η = 4.0	x: 0.29 m η = 4.7	η = 0.5	x: 0.037 m η = 1.2	x: 0.037 m η = 7.3	x: 0.543 m η = 2.2	x: 0.037 m η = 0.4	x: 0.037 m η = 1.4	x: 0.037 m η = 7.3	x: 0.037 m η < 0.1	x: 0.037 m η = 0.6	x: 0.037 m η = 13.2	x: 0.037 m η = 11.4	x: 0.037 m η = 11.9	**CUMPLE h = 13.2**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M,Tr	M,Tr	M,V_x	M,V_x	MT	MP	TPTrMV	
N623/N622	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.7	η = 3.9	η = 0.5	x: 0.057 m η = 3.1	x: 0.057 m η = 6.9	η = 2.4	x: 0.057 m η = 1.0	x: 0.057 m η = 3.2	x: 0.057 m η = 7.0	x: 0.057 m η = 0.1	x: 0.057 m η = 0.6	x: 0.057 m η = 14.4	x: 0.057 m η = 14.0	x: 0.057 m η = 13.2	**CUMPLE h = 14.4**
N622/N621	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.3	η = 2.1	η = 0.4	x: 0.543 m η = 1.7	x: 0.037 m η = 6.8	x: 0.29 m η = 2.3	x: 0.037 m η = 0.5	x: 0.543 m η = 1.7	x: 0.037 m η = 6.8	x: 0.543 m η < 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 10.4	x: 0.037 m η = 9.7	x: 0.037 m η = 10.6	**CUMPLE h = 10.6**
N621/N620	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.057 m η = 6.9	x: 0.057 m η = 8.2	η = 0.5	x: 0.563 m η = 2.3	x: 0.563 m η = 6.5	x: 0.057 m η = 2.4	x: 0.563 m η = 0.6	x: 0.563 m η = 2.4	x: 0.563 m η = 6.6	x: 0.563 m η = 0.1	x: 0.563 m η = 0.5	x: 0.563 m η = 17.2	x: 0.563 m η = 17.1	x: 0.563 m η = 16.7	**CUMPLE h = 17.2**
N620/N619	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 5.3	η = 6.3	η = 0.5	x: 0.543 m η = 1.8	x: 0.543 m η = 8.3	x: 0.038 m η = 3.0	x: 0.037 m η = 0.4	x: 0.543 m η = 2.1	x: 0.543 m η = 8.6	x: 0.543 m η < 0.1	x: 0.543 m η = 0.8	x: 0.543 m η = 17.5	x: 0.543 m η = 16.8	x: 0.543 m η = 16.8	**CUMPLE h = 17.5**
N619/N345	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 8.0	η = 8.5	η = 0.6	x: 0.555 m η = 11.8	x: 0.555 m η = 9.7	x: 0.057 m η = 2.4	x: 0.555 m η = 2.1	x: 0.555 m η = 11.9	x: 0.555 m η = 9.7	x: 0.555 m η = 1.5	x: 0.555 m η = 1.0	x: 0.555 m η = 34.0	x: 0.555 m η = 29.2	x: 0.555 m η = 26.8	**CUMPLE h = 34.0**
N345/N461	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 4.1	η = 4.4	x: 0.351 m η = 0.7	x: 0.045 m η = 51.4	x: 0.045 m η = 9.9	x: 0.351 m η = 4.8	x: 0.045 m η = 31.4	x: 0.045 m η = 51.7	x: 0.045 m η = 10.2	x: 0.045 m η = 36.7	x: 0.045 m η = 1.3	x: 0.045 m η = 80.8	x: 0.045 m η = 65.1	x: 0.045 m η = 69.4	**CUMPLE h = 80.8**
N64/N236	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.193 m η = 11.5	x: 0.193 m η = 12.3	x: 0.193 m η = 0.6	x: 0.342 m η = 31.4	x: 0.342 m η = 13.6	x: 0.193 m η = 7.9	x: 0.045 m η = 17.9	x: 0.342 m η = 31.7	x: 0.342 m η = 13.9	x: 0.342 m η = 13.2	x: 0.342 m η = 2.6	x: 0.342 m η = 67.8	x: 0.342 m η = 57.5	x: 0.342 m η = 54.9	**CUMPLE h = 67.8**
N236/N632	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.526 m η = 21.3	x: 0.526 m η = 23.0	η = 0.2	x: 0.055 m η = 19.2	x: 0.055 m η = 10.4	x: 0.526 m η = 2.4	x: 0.055 m η = 4.4	x: 0.055 m η = 19.3	x: 0.055 m η = 10.4	x: 0.055 m η = 3.9	x: 0.055 m η = 1.1	x: 0.055 m η = 57.8	x: 0.055 m η = 52.4	x: 0.055 m η = 49.9	**CUMPLE h = 57.8**
N632/N631	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 19.3	η = 21.1	η = 0.7	x: 0.037 m η = 2.4	x: 0.037 m η = 7.2	x: 0.542 m η = 2.0	x: 0.037 m η = 0.7	x: 0.037 m η = 2.7	x: 0.037 m η = 7.4	x: 0.037 m η = 0.1	x: 0.037 m η = 0.6	x: 0.037 m η = 31.3	x: 0.037 m η = 30.3	x: 0.037 m η = 29.3	**CUMPLE h = 31.3**
N631/N630	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 10.5	η = 10.5	x: 0.562 m η = 0.5	x: 0.057 m η = 1.5	x: 0.057 m η = 7.1	x: 0.562 m η = 2.4	x: 0.057 m η = 0.4	x: 0.057 m η = 1.7	x: 0.057 m η = 7.2	x: 0.057 m η < 0.1	x: 0.057 m η = 0.6	x: 0.057 m η = 21.2	x: 0.057 m η = 18.5	x: 0.057 m η = 19.2	**CUMPLE h = 21.2**
N630/N629	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 8.3	η = 8.2	η = 0.5	x: 0.037 m η = 2.8	x: 0.037 m η = 6.9	x: 0.29 m η = 2.2	x: 0.037 m η = 0.9	x: 0.037 m η = 2.9	x: 0.037 m η = 7.0	x: 0.037 m η = 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 20.2	x: 0.037 m η = 17.5	x: 0.037 m η = 17.4	**CUMPLE h = 20.2**
N629/N628	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.31 m η = 2.6	x: 0.31 m η = 1.8	η = 0.4	x: 0.563 m η = 1.5	x: 0.057 m η = 6.6	x: 0.562 m η = 2.5	x: 0.057 m η = 0.4	x: 0.563 m η = 1.5	x: 0.057 m η = 6.8	x: 0.563 m η < 0.1	x: 0.057 m η = 0.5	x: 0.563 m η = 11.5	x: 0.563 m η = 9.6	x: 0.057 m η = 10.0	**CUMPLE h = 11.5**
N628/N627	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 4.8	η = 4.4	η = 0.5	x: 0.543 m η = 2.6	x: 0.037 m η = 6.4	x: 0.542 m η = 2.3	x: 0.543 m η = 0.7	x: 0.543 m η = 2.8	x: 0.037 m η = 6.4	x: 0.543 m η = 0.1	x: 0.037 m η = 0.5	x: 0.543 m η = 14.4	x: 0.543 m η = 12.4	x: 0.037 m η = 12.1	**CUMPLE h = 14.4**
N627/N626	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 13.9	η = 14.7	η = 0.4	x: 0.563 m η = 0.9	x: 0.563 m η = 6.5	η = 2.1	x: 0.563 m η = 0.2	x: 0.563 m η = 1.1	x: 0.563 m η = 6.6	x: 0.562 m η < 0.1	x: 0.563 m η = 0.5	x: 0.563 m η = 22.6	x: 0.563 m η = 21.9	x: 0.563 m η = 22.7	**CUMPLE h = 22.7**
N626/N364	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 15.7	η = 16.9	x: 0.037 m η = 0.6	x: 0.543 m η = 20.9	x: 0.543 m η = 5.3	η = 1.3	x: 0.543 m η = 4.7	x: 0.543 m η = 21.0	x: 0.543 m η = 5.4	x: 0.543 m η = 4.6	x: 0.543 m η = 0.3	x: 0.543 m η = 47.3	x: 0.543 m η = 43.2	x: 0.543 m η = 43.7	**CUMPLE h = 47.3**
N364/N480	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.204 m η = 8.2	x: 0.204 m η = 8.8	x: 0.204 m η = 1.6	x: 0.057 m η = 38.7	x: 0.057 m η = 9.9	x: 0.204 m η = 5.7	x: 0.204 m η = 22.6	x: 0.057 m η = 39.4	x: 0.057 m η = 10.6	x: 0.057 m η = 20.6	x: 0.057 m η = 1.4	x: 0.057 m η = 69.1	x: 0.057 m η = 58.6	x: 0.057 m η = 58.6	**CUMPLE h = 69.1**
N34/N206	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 5.4	η = 5.7	η = 0.3	x: 0.352 m η = 40.2	x: 0.352 m η = 22.1	η = 12.8	x: 0.045 m η = 24.6	x: 0.352 m η = 40.3	x: 0.352 m η = 22.1	x: 0.352 m η = 22.2	x: 0.352 m η = 6.5	x: 0.352 m η = 82.3	x: 0.352 m η = 67.5	x: 0.352 m η = 62.4	**CUMPLE h = 82.3**
N206/N590	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 7.8	η = 8.0	η = 1.1	x: 0.045 m η = 10.9	x: 0.045 m η = 7.7	η = 1.6	x: 0.045 m η = 1.8	x: 0.045 m η = 11.1	x: 0.045 m η = 7.9	x: 0.045 m η = 1.3	x: 0.045 m η = 0.6	x: 0.045 m η = 28.8	x: 0.045 m η = 22.5	x: 0.045 m η = 22.0	**CUMPLE h = 28.8**
N590/N589	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 4.0	η = 4.8	η = 0.8	x: 0.057 m η = 3.9	x: 0.057 m η = 9.4	x: 0.562 m η = 2.9	x: 0.057 m η = 1.1	x: 0.057 m η = 4.2	x: 0.057 m η = 9.8	x: 0.057 m η = 0.2	x: 0.057 m η = 1.0	x: 0.057 m η = 19.0	x: 0.057 m η = 14.8	x: 0.057 m η = 14.3	**CUMPLE h = 19.0**
N589/N588	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.29 m η = 4.1	x: 0.29 m η = 4.8	η = 0.5	x: 0.037 m η = 1.3	x: 0.037 m η = 7.3	x: 0.543 m η = 2.3	x: 0.037 m η = 0.4	x: 0.037 m η = 1.4	x: 0.037 m η = 7.3	x: 0.037 m η < 0.1	x: 0.037 m η = 0.6	x: 0.037 m η = 14.0	x: 0.037 m η = 12.3	x: 0.037 m η = 12.6	**CUMPLE h = 14.0**
N588/N587	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.562 m η = 2.6	x: 0.562 m η = 3.7	η = 0.5	x: 0.057 m η = 3.1	x: 0.057 m η = 6.9	x: 0.562 m η = 2.4	x: 0.057 m η = 1.0	x: 0.057 m η = 3.3	x: 0.057 m η = 7.0	x: 0.057 m η = 0.1	x: 0.057 m η = 0.6	x: 0.057 m η = 14.3	x: 0.057 m η = 13.9	x: 0.057 m η = 13.1	**CUMPLE h = 14.3**
N587/N586	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.2	η = 2.0	η = 0.4	x: 0.543 m η = 1.8	x: 0.037 m η = 6.8	x: 0.542 m η = 2.3	x: 0.037 m η = 0.5	x: 0.543 m η = 1.8	x: 0.037 m η = 6.8	x: 0.543 m η < 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 10.2	x: 0.037 m η = 9.6	x: 0.037 m η = 10.5	**CUMPLE h = 10.5**
N586/N585	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.057 m η = 7.1	x: 0.057 m η = 8.4	η = 0.5	x: 0.563 m η = 2.3	x: 0.563 m η = 6.5	x: 0.31 m η = 2.4	x: 0.563 m η = 0.6	x: 0.563 m η = 2.5	x: 0.563 m η = 6.6	x: 0.563 m η = 0.1	x: 0.563 m η = 0.5	x: 0.563 m η = 17.3	x: 0.563 m η = 17.3	x: 0.563 m η = 16.9	**CUMPLE h = 17.3**
N585/N584	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 5.5	η = 6.5	η = 0.6	x: 0.543 m η = 1.9	x: 0.543 m η = 8.3	x: 0.038 m η = 3.0	x: 0.037 m η = 0.4	x: 0.543 m η = 2.1	x: 0.543 m η = 8.6	x: 0.543 m η < 0.1	x: 0.543 m η = 0.8	x: 0.543 m η = 17.7	x: 0.543 m η = 17.1	x: 0.543 m η = 17.1	**CUMPLE h = 17.7**
N584/N363	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 8.4	η = 9.0	η = 0.6	x: 0.555 m η = 12.2	x: 0.555 m η = 9.5	x: 0.306 m η = 2.4	x: 0.555 m η = 2.2	x: 0.555 m η = 12.2	x: 0.555 m η = 9.6	x: 0.555 m η = 1.5	x: 0.555 m η = 1.0	x: 0.555 m η = 34.8	x: 0.555 m η = 29.8	x: 0.555 m η = 27.4	**CUMPLE h = 34.8**
N363/N479	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 4.3	η = 4.6	x: 0.351 m η = 0.7	x: 0.045 m η = 52.3	x: 0.045 m η = 9.6	x: 0.046 m η = 5.0	x: 0.045 m η = 32.0	x: 0.045 m η = 52.6	x: 0.045 m η = 9.9	x: 0.045 m η = 37.9	x: 0.045 m η = 1.2	x: 0.045 m η = 81.6	x: 0.045 m η = 65.7	x: 0.045 m η = 70.7	**CUMPLE h = 81.6**
N82/N254	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.193 m η = 11.7	x: 0.193 m η = 12.6	x: 0.193 m η = 0.6	x: 0.342 m η = 31.7	x: 0.342 m η = 13.4	x: 0.193 m η = 7.7	x: 0.193 m η = 17.9	x: 0.342 m η = 31.9	x: 0.342 m η = 13.6	x: 0.342 m η = 13.4	x: 0.342 m η = 2.4	x: 0.342 m η = 67.8	x: 0.342 m η = 57.8	x: 0.342 m η = 55.4	**CUMPLE h = 67.8**
N254/N583	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.526 m η = 21.8	x: 0.526 m η = 23.5	η = 0.2	x: 0.055 m η = 19.7	x: 0.055 m η = 10.7	x: 0.526 m η = 2.5	x: 0.055 m η = 4.6	x: 0.055 m η = 19.8	x: 0.055 m η = 10.7	x: 0.055 m η = 4.1	x: 0.055 m η = 1.2	x: 0.055 m η = 59.2	x: 0.055 m η = 53.8	x: 0.055 m η = 51.1	**CUMPLE h = 59.2**
N583/N582	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 19.8	η = 21.6	η = 0.7	x: 0.037 m η = 2.4	x: 0.037 m η = 7.2	x: 0.542 m η = 2.0	x: 0.037 m η = 0.7	x: 0.037 m η = 2.7	x: 0.037 m η = 7.4	x: 0.037 m η = 0.1	x: 0.037 m η = 0.6	x: 0.037 m η = 31.8	x: 0.037 m η = 30.8	x: 0.037 m η = 29.8	**CUMPLE h = 31.8**
N582/N581	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 10.7	η = 10.7	x: 0.563 m η = 0.5	x: 0.057 m η = 1.6	x: 0.057 m η = 7.1	x: 0.562 m η = 2.4	x: 0.057 m η = 0.4	x: 0.057 m η = 1.7	x: 0.057 m η = 7.3	x: 0.057 m η < 0.1	x: 0.057 m η = 0.6	x: 0.057 m η = 21.5	x: 0.057 m η = 18.9	x: 0.057 m η = 19.5	**CUMPLE h = 21.5**
N581/N580	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 8.5	η = 8.4	η = 0.5	x: 0.037 m η = 2.8	x: 0.037 m η = 7.0	x: 0.542 m η = 2.2	x: 0.037 m η = 1.0	x: 0.037 m η = 3.0	x: 0.037 m η = 7.0	x: 0.037 m η = 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 20.5	x: 0.037 m η = 17.8	x: 0.037 m η = 17.7	**CUMPLE h = 20.5**
N580/N579	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.057 m η = 2.6	x: 0.057 m η = 1.9	η = 0.4	x: 0.563 m η = 1.5	x: 0.057 m η = 6.5	x: 0.562 m η = 2.4	x: 0.057 m η = 0.5	x: 0.563 m η = 1.5	x: 0.057 m η = 6.6	x: 0.563 m η < 0.1	x: 0.057 m η = 0.5	x: 0.563 m η = 11.5	x: 0.563 m η = 9.6	x: 0.563 m η = 9.9	**CUMPLE h = 11.5**
N579/N578	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 4.8	η = 4.4	η = 0.5	x: 0.543 m η = 2.7	x: 0.037 m η = 6.3	x: 0.542 m η = 2.2	x: 0.543 m η = 0.7	x: 0.543 m η = 2.8	x: 0.037 m η = 6.3	x: 0.543 m η = 0.1	x: 0.037 m η = 0.4	x: 0.543 m η = 14.4	x: 0.543 m η = 12.4	x: 0.543 m η = 12.0	**CUMPLE h = 14.4**
N578/N577	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 14.1	η = 15.0	η = 0.5	x: 0.563 m η = 0.9	x: 0.563 m η = 6.4	η = 2.0	x: 0.563 m η = 0.2	x: 0.563 m η = 1.1	x: 0.563 m η = 6.4	x: 0.562 m η < 0.1	x: 0.563 m η = 0.5	x: 0.563 m η = 22.8	x: 0.563 m η = 22.2	x: 0.563 m η = 22.9	**CUMPLE h = 22.9**
N577/N382	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 15.9	η = 17.2	x: 0.037 m η = 0.6	x: 0.543 m η = 21.4	x: 0.543 m η = 5.2	x: 0.29 m η = 1.2	x: 0.543 m η = 4.9	x: 0.543 m η = 21.5	x: 0.543 m η = 5.3	x: 0.543 m η = 4.9	x: 0.543 m η = 0.3	x: 0.543 m η = 48.0	x: 0.543 m η = 44.0	x: 0.543 m η = 44.6	**CUMPLE h = 48.0**
N382/N498	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.204 m η = 8.4	x: 0.204 m η = 9.0	x: 0.204 m η = 1.6	x: 0.057 m η = 39.4	x: 0.057 m η = 9.8	x: 0.204 m η = 5.7	x: 0.204 m η = 22.9	x: 0.057 m η = 40.0	x: 0.057 m η = 10.5	x: 0.057 m η = 21.3	x: 0.057 m η = 1.4	x: 0.057 m η = 69.7	x: 0.057 m η = 59.3	x: 0.057 m η = 59.6	**CUMPLE h = 69.7**
N33/N205	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 13.6	η = 14.5	η = 0.5	x: 0.352 m η = 33.4	x: 0.352 m η = 14.4	x: 0.351 m η = 8.9	x: 0.045 m η = 20.4	x: 0.352 m η = 33.5	x: 0.352 m η = 14.4	x: 0.352 m η = 15.4	x: 0.352 m η = 2.9	x: 0.352 m η = 72.3	x: 0.352 m η = 61.4	x: 0.352 m η = 59.5	**CUMPLE h = 72.3**
N205/N597	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 29.0	η = 31.4	x: 0.506 m η = 1.0	x: 0.045 m η = 16.9	x: 0.045 m η = 12.9	x: 0.506 m η = 3.1	x: 0.507 m η = 4.2	x: 0.045 m η = 17.2	x: 0.045 m η = 12.9	x: 0.045 m η = 3.1	x: 0.045 m η = 1.8	x: 0.045 m η = 65.4	x: 0.045 m η = 59.4	x: 0.045 m η = 56.0	**CUMPLE h = 65.4**
N597/N596	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.31 m η = 18.9	x: 0.31 m η = 21.5	x: 0.31 m η = 0.8	x: 0.563 m η = 2.5	x: 0.057 m η = 8.2	η = 2.6	x: 0.057 m η = 0.6	x: 0.563 m η = 2.6	x: 0.057 m η = 8.5	x: 0.563 m η = 0.1	x: 0.057 m η = 0.8	x: 0.057 m η = 30.0	x: 0.057 m η = 30.3	x: 0.057 m η = 31.5	**CUMPLE h = 31.5**
N596/N595	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.29 m η = 16.6	x: 0.29 m η = 19.1	η = 0.5	x: 0.037 m η = 4.9	x: 0.037 m η = 7.6	x: 0.542 m η = 2.3	x: 0.542 m η = 1.4	x: 0.037 m η = 5.1	x: 0.037 m η = 7.6	x: 0.037 m η = 0.3	x: 0.037 m η = 0.6	x: 0.037 m η = 31.9	x: 0.037 m η = 31.5	x: 0.037 m η = 29.7	**CUMPLE h = 31.9**
N595/N594	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.562 m η = 5.4	x: 0.562 m η = 6.8	η = 0.5	x: 0.057 m η = 0.8	x: 0.057 m η = 6.8	x: 0.562 m η = 2.4	x: 0.563 m η = 0.2	x: 0.057 m η = 0.8	x: 0.057 m η = 7.0	x: 0.057 m η < 0.1	x: 0.057 m η = 0.5	x: 0.057 m η = 14.9	x: 0.057 m η = 13.8	x: 0.057 m η = 14.5	**CUMPLE h = 14.9**
N594/N593	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.29 m η = 3.1	x: 0.29 m η = 4.5	η = 0.4	x: 0.543 m η = 2.8	x: 0.037 m η = 6.8	x: 0.542 m η = 2.3	x: 0.543 m η = 1.1	x: 0.543 m η = 3.0	x: 0.037 m η = 6.8	x: 0.543 m η = 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 14.4	x: 0.037 m η = 13.5	x: 0.037 m η = 12.7	**CUMPLE h = 14.4**
N593/N592	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 7.9	η = 9.0	η = 0.5	x: 0.563 m η = 2.7	x: 0.563 m η = 6.9	x: 0.31 m η = 2.5	x: 0.563 m η = 0.6	x: 0.563 m η = 2.8	x: 0.563 m η = 7.0	x: 0.563 m η = 0.1	x: 0.563 m η = 0.6	x: 0.563 m η = 19.2	x: 0.563 m η = 18.8	x: 0.563 m η = 18.2	**CUMPLE h = 19.2**
N592/N591	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 10.0	η = 11.4	η = 0.5	x: 0.543 m η = 1.1	x: 0.037 m η = 6.6	x: 0.037 m η = 2.5	x: 0.542 m η = 0.3	x: 0.543 m η = 1.2	x: 0.037 m η = 6.8	x: 0.542 m η < 0.1	x: 0.037 m η = 0.5	x: 0.543 m η = 18.6	x: 0.037 m η = 18.9	x: 0.037 m η = 19.6	**CUMPLE h = 19.6**
N591/N362	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 20.9	η = 21.9	η = 0.7	x: 0.555 m η = 20.3	x: 0.555 m η = 17.7	x: 0.057 m η = 4.5	x: 0.555 m η = 4.5	x: 0.555 m η = 20.3	x: 0.555 m η = 17.8	x: 0.555 m η = 4.3	x: 0.555 m η = 3.4	x: 0.555 m η = 67.3	x: 0.555 m η = 59.2	x: 0.555 m η = 54.5	**CUMPLE h = 67.3**
N362/N478	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m η = 10.1	x: 0.198 m η = 10.5	η = 0.7	x: 0.045 m η = 32.2	x: 0.045 m η = 6.5	η = 4.0	x: 0.045 m η = 19.3	x: 0.045 m η = 32.4	x: 0.045 m η = 6.6	x: 0.045 m η = 14.2	x: 0.045 m η = 0.6	x: 0.045 m η = 51.6	x: 0.045 m η = 43.4	x: 0.045 m η = 50.2	**CUMPLE h = 51.6**
N81/N253	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 3.2	η = 3.5	η = 1.5	x: 0.342 m η = 30.4	x: 0.342 m η = 15.5	x: 0.045 m η = 8.9	x: 0.342 m η = 17.3	x: 0.342 m η = 31.0	x: 0.342 m η = 16.1	x: 0.342 m η = 12.6	x: 0.342 m η = 3.4	x: 0.342 m η = 60.9	x: 0.342 m η = 50.0	x: 0.342 m η = 45.8	**CUMPLE h = 60.9**
N253/N604	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 6.8	η = 6.9	η = 0.9	x: 0.055 m η = 22.0	x: 0.055 m η = 12.0	x: 0.526 m η = 2.9	x: 0.055 m η = 5.7	x: 0.055 m η = 22.3	x: 0.055 m η = 12.1	x: 0.055 m η = 5.3	x: 0.055 m η = 1.6	x: 0.055 m η = 48.8	x: 0.055 m η = 38.7	x: 0.055 m η = 37.3	**CUMPLE h = 48.8**
N604/N603	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 7.2	η = 7.0	η = 0.8	x: 0.543 m η = 2.4	x: 0.037 m η = 6.6	x: 0.542 m η = 1.8	x: 0.543 m η = 0.6	x: 0.543 m η = 2.7	x: 0.037 m η = 7.0	x: 0.543 m η = 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 16.2	x: 0.037 m η = 15.1	x: 0.037 m η = 15.2	**CUMPLE h = 16.2**
N603/N602	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.4	η = 1.6	η = 0.5	x: 0.057 m η = 5.4	x: 0.057 m η = 7.2	x: 0.562 m η = 2.4	x: 0.563 m η = 1.6	x: 0.057 m η = 5.6	x: 0.057 m η = 7.5	x: 0.057 m η = 0.3	x: 0.057 m η = 0.6	x: 0.057 m η = 17.0	x: 0.057 m η = 14.2	x: 0.057 m η = 12.5	**CUMPLE h = 17.0**
N602/N601	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 1.9	η = 0.9	η = 0.5	x: 0.037 m η = 0.8	x: 0.037 m η = 6.9	x: 0.542 m η = 2.2	x: 0.543 m η = 0.2	x: 0.037 m η = 0.8	x: 0.037 m η = 6.9	x: 0.037 m η < 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 10.1	x: 0.037 m η = 3.8	x: 0.037 m η = 9.2	**CUMPLE h = 10.1**
N601/N600	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 7.8	η = 7.7	η = 0.4	x: 0.057 m η = 2.8	x: 0.057 m η = 6.5	x: 0.562 m η = 2.4	x: 0.563 m η = 1.1	x: 0.057 m η = 3.0	x: 0.057 m η = 6.6	x: 0.563 m η = 0.1	x: 0.057 m η = 0.5	x: 0.057 m η = 18.2	x: 0.057 m η = 17.2	x: 0.057 m η = 16.4	**CUMPLE h = 18.2**

Barras	COMPROBACIONES (AISI S100-16 (2016))															Estado
	w / t	T	P	Tr	M_x	M_y	V_x	V_y	M_xTr	M_yTr	M_xV_x	M_yV_x	MT	MP	TPTrMV	
N600/N599	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 6.5	η = 6.1	η = 0.5	x: 0.543 m η = 3.1	x: 0.037 m η = 6.3	x: 0.038 m η = 2.3	x: 0.543 m η = 0.8	x: 0.543 m η = 3.2	x: 0.037 m η = 6.4	x: 0.543 m η = 0.1	x: 0.037 m η = 0.5	x: 0.543 m η = 16.7	x: 0.543 m η = 15.0	x: 0.543 m η = 14.2	**CUMPLE h = 16.7**
N599/N598	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 14.4	η = 15.8	η = 0.5	x: 0.563 m η = 1.4	x: 0.563 m η = 5.6	x: 0.31 m η = 1.9	x: 0.563 m η = 0.4	x: 0.563 m η = 1.5	x: 0.563 m η = 5.6	x: 0.562 m η < 0.1	x: 0.563 m η = 0.4	x: 0.563 m η = 22.6	x: 0.563 m η = 22.9	x: 0.563 m η = 22.8	**CUMPLE h = 22.9**
N598/N381	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 14.3	η = 15.6	η = 0.6	x: 0.543 m η = 21.7	x: 0.543 m η = 7.6	x: 0.29 m η = 1.8	x: 0.543 m η = 5.1	x: 0.543 m η = 21.8	x: 0.543 m η = 7.7	x: 0.543 m η = 5.0	x: 0.543 m η = 0.6	x: 0.543 m η = 49.1	x: 0.543 m η = 45.3	x: 0.543 m η = 44.2	**CUMPLE h = 49.1**
N381/N497	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 7.7	η = 8.6	x: 0.351 m η = 2.2	x: 0.057 m η = 36.9	x: 0.057 m η = 6.9	x: 0.351 m η = 3.8	x: 0.057 m η = 21.8	x: 0.057 m η = 37.8	x: 0.057 m η = 7.8	x: 0.057 m η = 19.1	x: 0.057 m η = 0.8	x: 0.057 m η = 61.8	x: 0.057 m η = 53.9	x: 0.057 m η = 55.4	**CUMPLE h = 61.8**
N17/N189	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 13.3	η = 14.2	η = 0.5	x: 0.352 m η = 33.2	x: 0.352 m η = 13.9	x: 0.351 m η = 8.5	x: 0.045 m η = 20.2	x: 0.352 m η = 33.3	x: 0.352 m η = 14.0	x: 0.352 m η = 15.1	x: 0.352 m η = 2.7	x: 0.352 m η = 70.0	x: 0.352 m η = 60.8	x: 0.352 m η = 58.8	**CUMPLE h = 70.0**
N189/N611	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 28.6	η = 30.7	x: 0.506 m η = 1.0	x: 0.045 m η = 16.6	x: 0.045 m η = 13.0	x: 0.506 m η = 3.1	x: 0.507 m η = 4.2	x: 0.045 m η = 16.9	x: 0.045 m η = 13.0	x: 0.045 m η = 3.0	x: 0.045 m η = 1.8	x: 0.045 m η = 65.0	x: 0.045 m η = 58.4	x: 0.045 m η = 55.1	**CUMPLE h = 65.0**
N611/N610	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.058 m η = 18.8	x: 0.058 m η = 21.2	x: 0.31 m η = 0.8	x: 0.563 m η = 2.5	x: 0.057 m η = 8.4	x: 0.058 m η = 2.7	x: 0.058 m η = 0.6	x: 0.563 m η = 2.6	x: 0.057 m η = 8.7	x: 0.563 m η = 0.1	x: 0.057 m η = 0.8	x: 0.057 m η = 30.4	x: 0.057 m η = 30.4	x: 0.057 m η = 31.5	**CUMPLE h = 31.5**
N610/N609	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.29 m η = 16.3	x: 0.29 m η = 18.6	η = 0.5	x: 0.037 m η = 4.8	x: 0.037 m η = 7.6	x: 0.542 m η = 2.3	x: 0.542 m η = 1.4	x: 0.037 m η = 5.0	x: 0.037 m η = 7.6	x: 0.037 m η = 0.3	x: 0.037 m η = 0.6	x: 0.037 m η = 31.6	x: 0.037 m η = 30.9	x: 0.037 m η = 29.2	**CUMPLE h = 31.6**
N609/N608	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.562 m η = 5.4	x: 0.562 m η = 6.7	η = 0.5	x: 0.057 m η = 0.8	x: 0.057 m η = 6.8	η = 2.4	x: 0.562 m η = 0.2	x: 0.057 m η = 0.8	x: 0.057 m η = 7.0	x: 0.057 m η < 0.1	x: 0.057 m η = 0.5	x: 0.057 m η = 14.8	x: 0.057 m η = 13.6	x: 0.057 m η = 14.4	**CUMPLE h = 14.8**
N608/N607	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.29 m η = 3.1	x: 0.29 m η = 4.3	η = 0.4	x: 0.543 m η = 2.8	x: 0.037 m η = 6.8	x: 0.29 m η = 2.3	x: 0.543 m η = 1.0	x: 0.543 m η = 2.9	x: 0.037 m η = 6.8	x: 0.543 m η = 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 14.4	x: 0.037 m η = 13.3	x: 0.037 m η = 12.6	**CUMPLE h = 14.4**
N607/N606	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 7.5	η = 8.5	η = 0.5	x: 0.563 m η = 2.6	x: 0.563 m η = 7.0	x: 0.31 m η = 2.5	x: 0.563 m η = 0.6	x: 0.563 m η = 2.7	x: 0.563 m η = 7.1	x: 0.563 m η = 0.1	x: 0.563 m η = 0.6	x: 0.563 m η = 18.9	x: 0.563 m η = 18.0	x: 0.563 m η = 17.6	**CUMPLE h = 18.9**
N606/N605	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 9.9	η = 11.2	η = 0.5	x: 0.543 m η = 1.1	x: 0.037 m η = 6.7	x: 0.037 m η = 2.5	x: 0.542 m η = 0.3	x: 0.543 m η = 1.1	x: 0.037 m η = 6.9	x: 0.542 m η < 0.1	x: 0.037 m η = 0.5	x: 0.543 m η = 18.5	x: 0.037 m η = 18.6	x: 0.037 m η = 19.4	**CUMPLE h = 19.4**
N605/N346	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 20.6	η = 21.5	η = 0.7	x: 0.555 m η = 19.9	x: 0.555 m η = 17.7	x: 0.057 m η = 4.5	x: 0.555 m η = 4.5	x: 0.555 m η = 20.0	x: 0.555 m η = 17.7	x: 0.555 m η = 4.2	x: 0.555 m η = 3.4	x: 0.555 m η = 67.0	x: 0.555 m η = 58.5	x: 0.555 m η = 53.8	**CUMPLE h = 67.0**
N346/N462	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.198 m η = 9.9	x: 0.198 m η = 10.3	η = 0.7	x: 0.045 m η = 31.0	x: 0.045 m η = 5.4	x: 0.198 m η = 3.2	x: 0.045 m η = 18.6	x: 0.045 m η = 31.3	x: 0.045 m η = 5.4	x: 0.045 m η = 13.2	x: 0.045 m η = 0.4	x: 0.045 m η = 49.7	x: 0.045 m η = 41.7	x: 0.045 m η = 48.6	**CUMPLE h = 49.7**
N65/N237	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.9	η = 3.2	η = 1.5	x: 0.342 m η = 29.9	x: 0.342 m η = 15.0	x: 0.045 m η = 8.7	x: 0.342 m η = 17.0	x: 0.342 m η = 30.5	x: 0.342 m η = 15.6	x: 0.342 m η = 12.2	x: 0.342 m η = 3.2	x: 0.342 m η = 59.7	x: 0.342 m η = 48.8	x: 0.342 m η = 44.7	**CUMPLE h = 59.7**
N237/N618	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 6.4	η = 6.4	η = 0.9	x: 0.055 m η = 21.5	x: 0.055 m η = 12.0	x: 0.526 m η = 2.9	x: 0.055 m η = 5.6	x: 0.055 m η = 21.9	x: 0.055 m η = 12.1	x: 0.055 m η = 5.1	x: 0.055 m η = 1.6	x: 0.055 m η = 47.8	x: 0.055 m η = 37.9	x: 0.055 m η = 36.4	**CUMPLE h = 47.8**
N618/N617	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 6.7	η = 6.5	η = 0.9	x: 0.543 m η = 2.4	x: 0.037 m η = 6.5	x: 0.542 m η = 1.8	x: 0.543 m η = 0.6	x: 0.543 m η = 2.7	x: 0.037 m η = 6.9	x: 0.543 m η = 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 15.7	x: 0.037 m η = 14.5	x: 0.037 m η = 14.6	**CUMPLE h = 15.7**
N617/N616	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 2.4	η = 1.6	η = 0.5	x: 0.057 m η = 5.3	x: 0.057 m η = 7.2	x: 0.562 m η = 2.4	x: 0.057 m η = 1.5	x: 0.057 m η = 5.5	x: 0.057 m η = 7.4	x: 0.057 m η = 0.3	x: 0.057 m η = 0.6	x: 0.057 m η = 17.1	x: 0.057 m η = 14.2	x: 0.057 m η = 12.7	**CUMPLE h = 17.1**
N616/N615	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.29 m η = 1.9	x: 0.29 m η = 0.8	η = 0.5	x: 0.037 m η = 0.7	x: 0.037 m η = 6.9	x: 0.29 m η = 2.2	x: 0.543 m η = 0.2	x: 0.037 m η = 0.7	x: 0.037 m η = 6.9	x: 0.037 m η < 0.1	x: 0.037 m η = 0.5	x: 0.037 m η = 9.8	x: 0.037 m η = 3.7	x: 0.037 m η = 9.0	**CUMPLE h = 9.8**
N615/N614	$w / t \leq (w / t)_{Máx.}$ Cumple	x: 0.31 m η = 7.8	x: 0.31 m η = 7.6	η = 0.4	x: 0.057 m η = 2.7	x: 0.057 m η = 6.6	x: 0.562 m η = 2.4	x: 0.563 m η = 1.1	x: 0.057 m η = 2.9	x: 0.057 m η = 6.8	x: 0.563 m η = 0.1	x: 0.057 m η = 0.5	x: 0.057 m η = 18.3	x: 0.057 m η = 17.1	x: 0.057 m η = 16.3	**CUMPLE h = 18.3**
N614/N613	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 6.4	η = 6.0	η = 0.5	x: 0.543 m η = 3.1	x: 0.037 m η = 6.4	x: 0.542 m η = 2.3	x: 0.543 m η = 0.8	x: 0.543 m η = 3.1	x: 0.037 m η = 6.5	x: 0.543 m η = 0.1	x: 0.037 m η = 0.5	x: 0.543 m η = 16.7	x: 0.543 m η = 14.9	x: 0.543 m η = 14.1	**CUMPLE h = 16.7**
N613/N612	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 14.1	η = 15.3	η = 0.5	x: 0.563 m η = 1.4	x: 0.563 m η = 5.7	x: 0.31 m η = 1.9	x: 0.563 m η = 0.3	x: 0.563 m η = 1.4	x: 0.563 m η = 5.8	x: 0.562 m η < 0.1	x: 0.563 m η = 0.4	x: 0.563 m η = 22.4	x: 0.563 m η = 22.4	x: 0.563 m η = 22.4	**CUMPLE h = 22.4**
N612/N365	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 13.9	η = 15.0	η = 0.6	x: 0.543 m η = 21.2	x: 0.543 m η = 7.8	x: 0.29 m η = 1.9	x: 0.543 m η = 5.0	x: 0.543 m η = 21.3	x: 0.543 m η = 7.9	x: 0.543 m η = 4.8	x: 0.543 m η = 0.7	x: 0.543 m η = 48.3	x: 0.543 m η = 44.0	x: 0.543 m η = 43.0	**CUMPLE h = 48.3**
N365/N481	$w / t \leq (w / t)_{Máx.}$ Cumple	η = 7.4	η = 8.2	x: 0.351 m η = 2.2	x: 0.057 m η = 35.9	x: 0.057 m η = 7.0	x: 0.351 m η = 3.9	x: 0.057 m η = 21.2	x: 0.057 m η = 36.9	x: 0.057 m η = 8.0	x: 0.057 m η = 18.1	x: 0.057 m η = 0.8	x: 0.057 m η = 61.3	x: 0.057 m η = 52.8	x: 0.057 m η = 53.9	**CUMPLE h = 61.3**

Notación:
w / t: Limitaciones geométricas
T: Resistencia a tracción
P: Resistencia a compresión
Tr: Resistencia a torsión
M_x: Resistencia a flexión alrededor del eje X
M_y: Resistencia a flexión alrededor del eje Y
V_x: Resistencia a corte en la dirección del eje X
V_y: Resistencia a corte en la dirección del eje Y
M_xTr: Resistencia a flexión alrededor del eje X combinada con torsión
M_yTr: Resistencia a flexión alrededor del eje Y combinada con torsión
M_xV_x: Resistencia a flexión alrededor del eje X combinada con corte en la dirección del eje Y
M_yV_x: Resistencia a flexión alrededor del eje Y combinada con corte en la dirección del eje X
MT: Resistencia a flexión combinada con tracción
MP: Resistencia a flexión combinada con compresión
TPTrMV: Flexión combinada con cortante, axil y torsión - Comprobación de Von Mises
x: Distancia al origen de la barra
h: Coeficiente de aprovechamiento (%)
N.P.: No procede

Comprobaciones que no proceden (N.P.):
[1] La comprobación no procede, ya que no hay axil de compresión.
[2] No hay interacción entre axil de compresión y momento flector para ninguna combinación. Por lo tanto, la comprobación no procede.
[3] La comprobación no procede, ya que no hay axil de tracción.
[4] No hay interacción entre axil de tracción y momento flector para ninguna combinación. Por lo tanto, la comprobación no procede.
[5] La comprobación no procede, ya que no hay torsión.
[6] No hay interacción entre torsión y flexión alrededor del eje X para ninguna combinación. Por lo tanto, la comprobación no procede.
[7] No hay interacción entre torsión y flexión alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.
[8] La comprobación no procede, ya que todas las combinaciones de esfuerzos solicitantes han sido verificadas en otras comprobaciones.
[9] La comprobación no procede, ya que no hay esfuerzos combinados.
[10] La comprobación no procede, ya que no hay momento flector alrededor del eje Y.
[11] La comprobación no procede, ya que no hay esfuerzo cortante en la dirección del eje X.
[12] No hay interacción entre esfuerzo cortante en la dirección del eje X y momento flector alrededor del eje Y para ninguna combinación. Por lo tanto, la comprobación no procede.

2.4. Uniones

2.4.1. Especificaciones

Norma:

ANSI/AISC 360-10. Chapter K - K2. HSS to HSS truss connections.

Materiales:

- Perfiles (Material base): A572 50ksi.

- Material de aportación (soldaduras): Electrodos de la serie E70XX. Para los materiales empleados y el procedimiento de soldadura SMAW (Arco eléctrico con electrodo revestido), se cumplen las condiciones de compatibilidad entre materiales exigidas por el artículo J.2.6.

Disposiciones constructivas:

1) Cada tubo se soldará en todo su perímetro de contacto con los otros tubos.

2) Se define como ángulo diedro el ángulo medido en el plano perpendicular a la línea de soldadura, formado por las tangentes a las superficies externas de los tubos que se sueldan entre sí.

3) Para ángulos diedros mayores que 100 grados se deberá realizar soldadura a tope, independientemente del espesor del tubo que se suelda.

4) Los tubos de espesor igual o superior a 8 mm se soldarán a tope, excepto en las zonas en las que el ángulo diedro es agudo y pueda realizarse correctamente la soldadura en ángulo.

5) Los tubos de espesor inferior a 8 mm se pueden soldar con cordones de soldadura en ángulo.

6) En soldaduras a tope, el ángulo del bisel mínimo es de 45 grados.

7) En los detalles se indican los distintos tipos de cordones necesarios en el perímetro de soldadura de los tubos.

Comprobaciones:

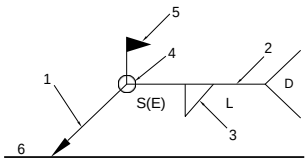
Los cordones de soldadura se han dimensionado de tal manera que su resistencia sea igual o superior a la de la más débil de las piezas unidas. Para ello, se han tenido en cuenta las prescripciones y detalles indicados en la parte D de la norma AWS D1.1/D1.1M:2002.

2.4.2. Referencias y simbología

Para la representación de los símbolos de soldaduras se consideran las indicaciones de la norma ANSI/AWS A2.4-98 'STANDARD SYMBOLS FOR WELDING, BRAZING, AND NONDESTRUCTIVE EXAMINATION'.

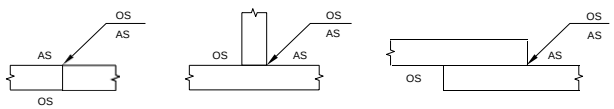
Método de representación de soldaduras

Conforme a la figura 2 de ANSI/AWS A2.4-98 y a los tipos de soldaduras empleadas en este proyecto, se desarrolla el siguiente esquema de representación de una soldadura:



Referencias:
1: flecha (conexión entre 2 y 6)
2: línea de referencia
3: símbolo de soldadura
4: símbolo soldadura perimetral.
5: símbolo de soldadura en el lugar de montaje.
6: línea del dibujo que identifica la unión propuesta.
S: profundidad del bisel. En soldaduras en ángulo, es el lado del cordón de soldadura.
(E): tamaño del cordón en soldaduras a tope.
L: longitud efectiva del cordón de soldadura
D: dato suplementario. En general, la serie de electrodo a utilizar y el proceso precualificado de soldeo.

La información relacionada con el lado de la unión soldada a la que apunta la flecha, se coloca por debajo de la línea de referencia, mientras que para el lado opuesto, se indica por encima de la línea de referencia:

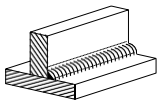
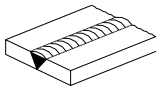
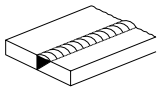
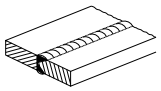
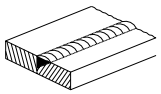
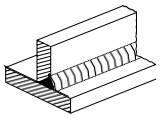
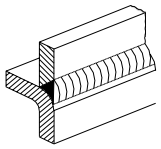


Donde:

OS(Other Side): es el otro lado de la flecha

AS(Arrow Side): es el lado de la flecha

Referencia 3

Designación	Ilustración	Símbolo
Soldadura de filete		
Soldadura a tope en 'V' simple (con chaflán)		
Soldadura a tope en bisel simple		
Soldadura a tope en bisel doble		
Soldadura a tope en bisel simple con talón de raíz amplio		
Soldadura combinada a tope en bisel simple y en ángulo		
Soldadura a tope en bisel simple con lado curvo		

2.4.3. Comprobaciones en placas de anclaje

En cada placa de anclaje se realizan las siguientes comprobaciones (asumiendo la hipótesis de placa rígida):

1. Hormigón sobre el que apoya la placa

Se comprueba que la tensión de compresión en la interfaz placa de anclaje-hormigón es menor a la tensión admisible del hormigón según la naturaleza de cada combinación.

2. Pernos de anclaje

a) *Resistencia del material de los pernos*: Se descomponen los esfuerzos actuantes sobre la placa en axiles y cortantes en los pernos y se comprueba que ambos esfuerzos, por separado y con interacción entre ellos (tensión de Von Mises), producen tensiones menores a la tensión límite del material de los pernos.

b) *Anclaje de los pernos*: Se comprueba el anclaje de los pernos en el hormigón de tal manera que no se produzca el fallo de deslizamiento por adherencia, arrancamiento del cono de rotura o fractura por esfuerzo cortante (aplastamiento).

c) *Aplastamiento*: Se comprueba que en cada perno no se supera el cortante que produciría el aplastamiento de la placa contra el perno.

3. Placa de anclaje

a) *Tensiones globales*: En placas con vuelo, se analizan cuatro secciones en el perímetro del perfil, y se comprueba en todas ellas que las tensiones de Von Mises sean menores que la tensión límite según la norma.

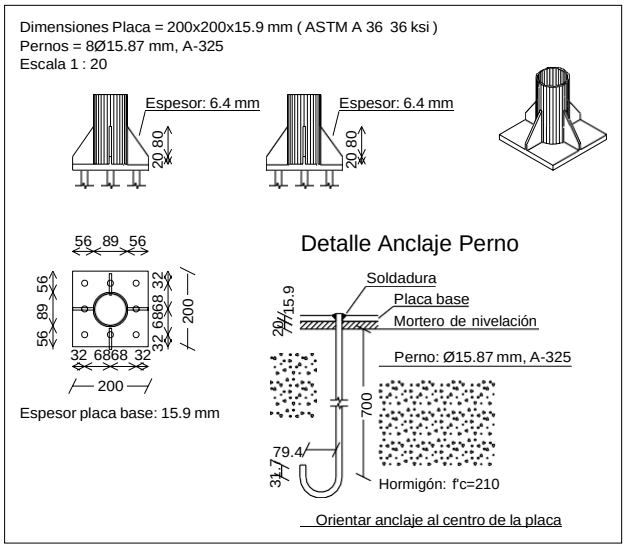
b) *Flechas globales relativas*: Se comprueba que en los vuelos de las placas no aparezcan flechas mayores que 1/250 del vuelo.

c) *Tensiones locales*: Se comprueban las tensiones de Von Mises en todas las placas locales en las que tanto el perfil como los rigidizadores dividen a la placa de anclaje propiamente dicha. Los esfuerzos en cada una de las subplacas se obtienen a partir de las tensiones de contacto con el hormigón y los axiles de los pernos. El modelo generado se resuelve por diferencias finitas.

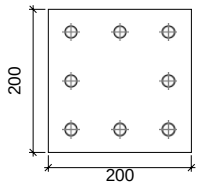
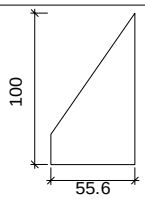
2.4.4. Memoria de cálculo

2.4.4.1. Tipo 1

a) Detalle



b) Descripción de los componentes de la unión

Elementos complementarios									
Pieza	Geometría				Agujeros		Acero		
	Esquema	Ancho (mm)	Altura (mm)	Espesor (mm)	Cantidad	Diámetro (mm)	Tipo	F_y (MPa)	F_u (MPa)
Placa base		200	200	15.9	8	15.9	A36	250.0	400.0
Rigidizador		55.6	100	6.4	-	-	A36	250.0	400.0

c) Comprobación

1) Placa de anclaje

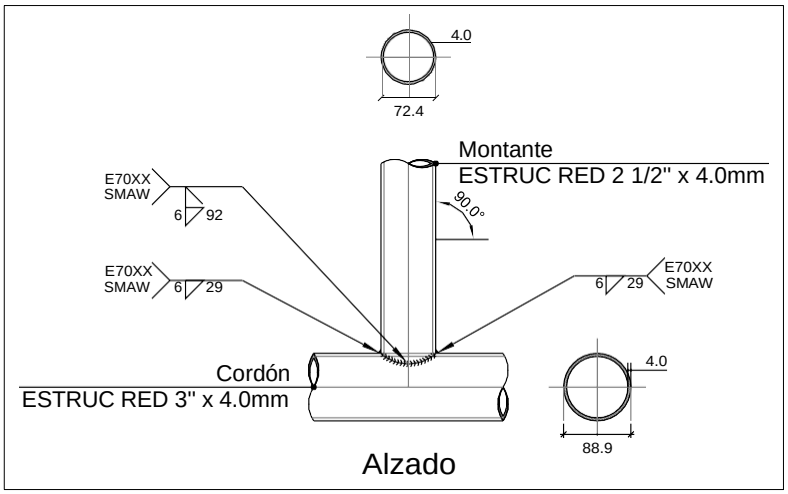
Referencia:		
Comprobación	Valores	Estado
Separación mínima entre pernos: *1.5 diámetros*	Mínimo: 23 mm Calculado: 68 mm	Cumple
Separación mínima pernos-borde: *2 diámetros*	Mínimo: 31 mm Calculado: 32 mm	Cumple
Esbeltez de rigidizadores:	Máximo: 50	
- Paralelos a X:	Calculado: 31.2	Cumple
- Paralelos a Y:	Calculado: 31.2	Cumple
Longitud mínima del perno: *Se calcula la longitud de anclaje necesaria por adherencia.*	Mínimo: 50 cm Calculado: 70 cm	Cumple
Anclaje perno en hormigón:		
- Tracción:	Máximo: 49.66 kN Calculado: 33.02 kN	Cumple
- Cortante:	Máximo: 34.76 kN Calculado: 0.97 kN	Cumple
- Tracción + Cortante:	Máximo: 49.66 kN Calculado: 34.41 kN	Cumple
Tracción en vástago de pernos:	Máximo: 107.81 kN Calculado: 33.02 kN	Cumple
Tensión de Von Mises en vástago de pernos:	Máximo: 544.5 MPa Calculado: 166.939 MPa	Cumple
Aplastamiento perno en placa: *Límite del cortante en un perno actuando contra la placa*	Máximo: 141.94 kN Calculado: 0.97 kN	Cumple
Tensión de Von Mises en secciones globales:	Máximo: 250 MPa	
- Derecha:	Calculado: 95.363 MPa	Cumple
- Izquierda:	Calculado: 95.6375 MPa	Cumple
- Arriba:	Calculado: 105.407 MPa	Cumple
- Abajo:	Calculado: 100.28 MPa	Cumple
Flecha global equivalente: *Limitación de la deformabilidad de los vuelos*	Mínimo: 250	
- Derecha:	Calculado: 20680.9	Cumple
- Izquierda:	Calculado: 20625	Cumple
- Arriba:	Calculado: 18142.4	Cumple
- Abajo:	Calculado: 18996.1	Cumple
Tensión de Von Mises local: *Tensión por tracción de pernos sobre placas en voladizo*	Máximo: 250 MPa Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima sección de hormigón: 0.194		

d) Cómputo

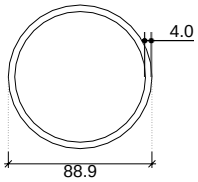
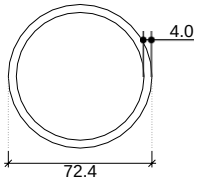
Placas de anclaje				
Material	Elementos	Cantidad	Dimensiones (mm)	Peso (kg)
A36	Placa base	1	200x200x15.9	4.99
	Rigidizadores no pasantes	4	55/0x100/20x6.4	0.66
			Total	5.66
A-325 (liso)	Pernos de anclaje	8	Ø 15.9 - L = 752 + 181	11.59
			Total	11.59

2.4.4.2. Tipo 2

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza		Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (MPa)	F_u (MPa)
Cordón	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	345.0	450.0
Diagonal	ESTRUC RED 2 1/2'' x 4.0mm		72.4	4	A572 50ksi	345.0	450.0

c) Comprobación

1) Cordón ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D/t	--	22.23	10.00	50.00
Espesor	mm	4.0	2.5	25.0

2) Montante ESTRUC RED 2 1/2'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_b/t_b	--	18.10	--	28.99
D_b/D	--	0.81	0.20	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	90.00	30.00	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	4.285	104.451	4.10
Punzonamiento por esfuerzo cortante	kN	4.285	178.913	2.40
Interacción axil y momentos	--	--	--	6.73

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	92	6	4
Soldadura de filete	En ángulo	SMAW	40	29	6	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	92	6	4
Soldadura de filete	En ángulo	SMAW	40	29	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

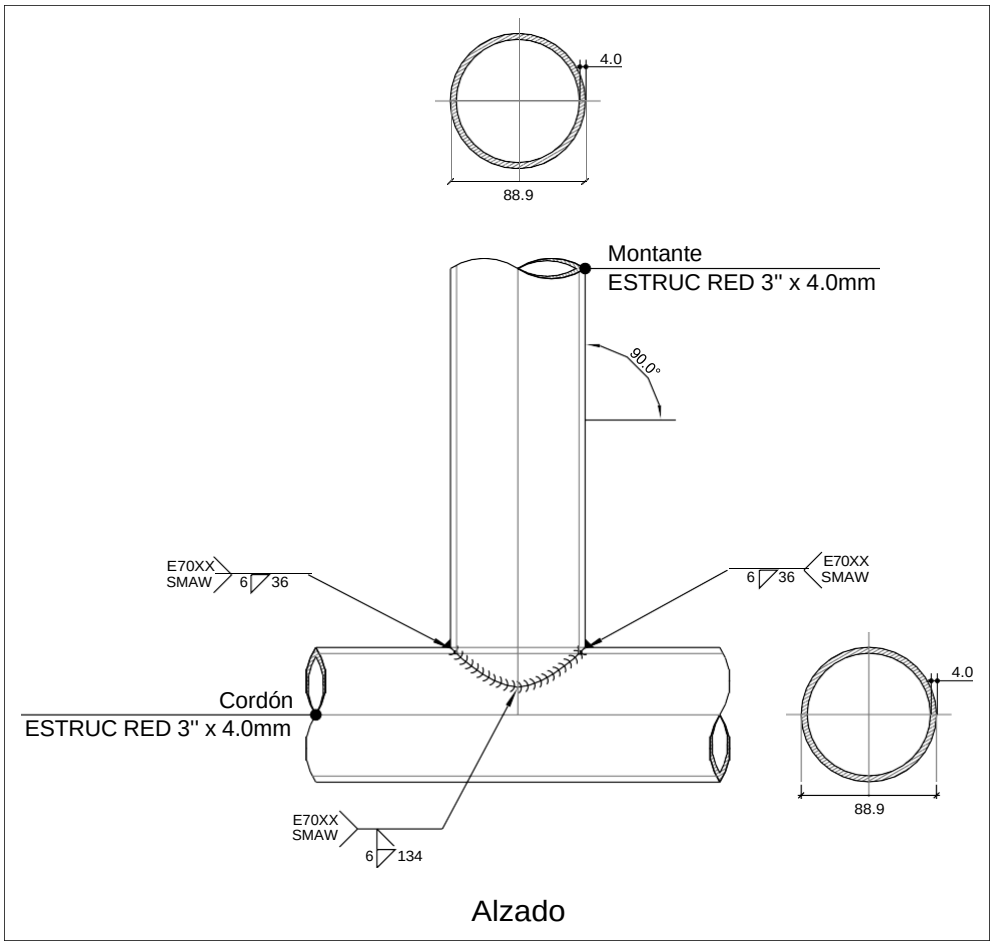
Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

d) Cómputo

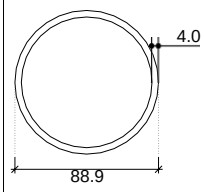
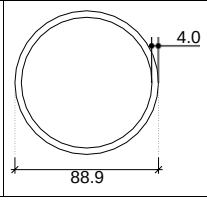
Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	58
		Combinada a tope en bisel simple y en ángulo	6	184

2.4.4.3. Tipo 3

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza		Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (MPa)	F_u (MPa)
Cordón	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	345.0	450.0
Diagonal	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	345.0	450.0

c) Comprobación

1) Cordón ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D/t	--	22.23	10.00	50.00
Espesor	mm	4.0	2.5	25.0

2) Montante ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_b/t_b	--	22.23	--	28.99
D_b/D	--	1.00	0.20	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	90.00	30.00	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	66.104	139.246	47.47
Interacción axil y momentos	--	--	--	59.37

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	134	6	4
Soldadura de filete	En ángulo	SMAW	40	36	6	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	134	6	4
Soldadura de filete	En ángulo	SMAW	40	36	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

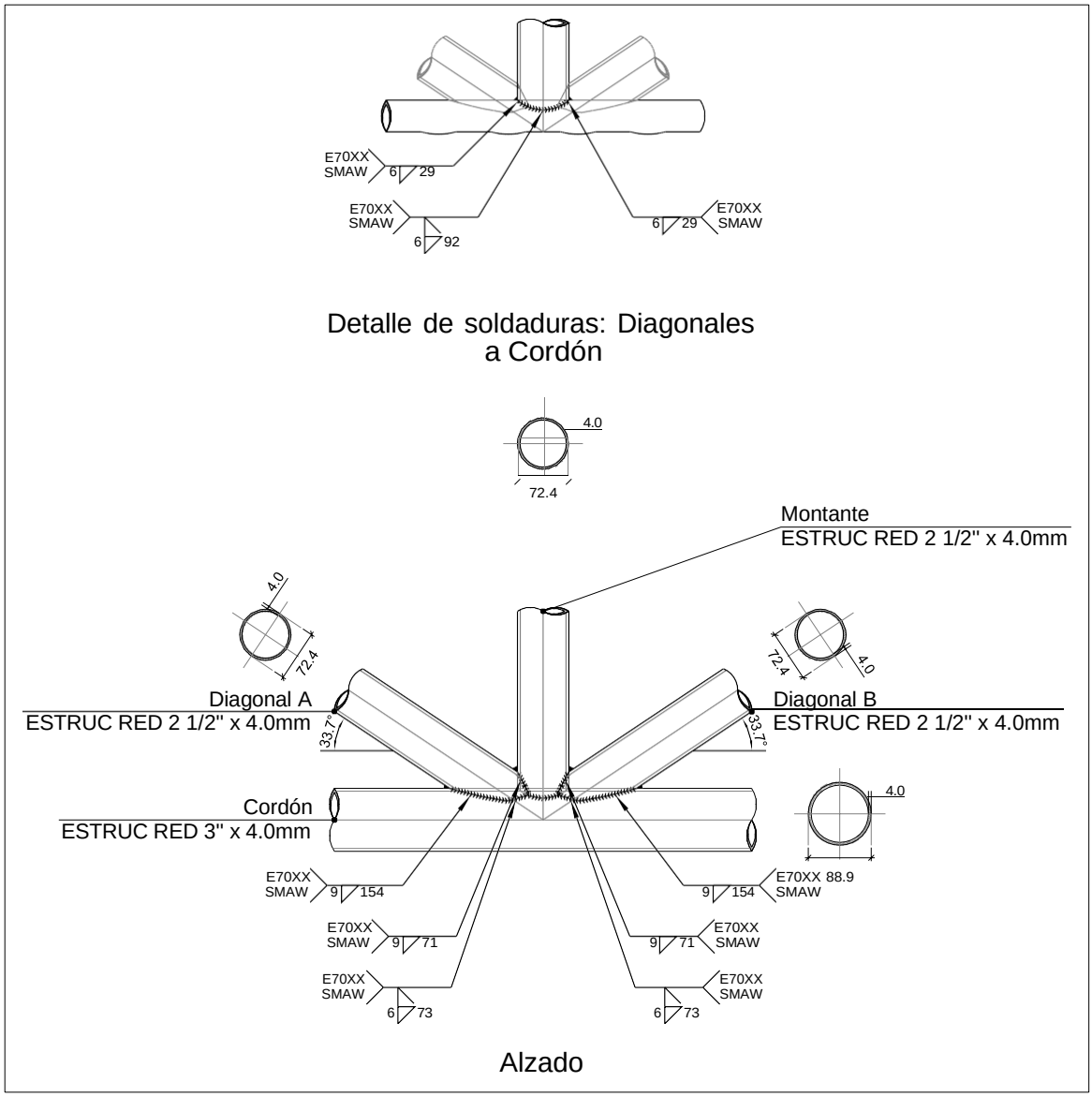
Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

d) Cómputo

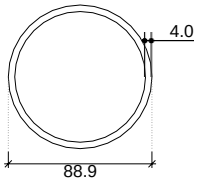
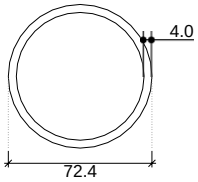
Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	71
		Combinada a tope en bisel simple y en ángulo	6	268

2.4.4.4. Tipo 4

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza		Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (MPa)	F_u (MPa)
Cordón	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	345.0	450.0
Diagonal	ESTRUC RED 2 1/2'' x 4.0mm		72.4	4	A572 50ksi	345.0	450.0

c) Comprobación

1) Cordón ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D/t	--	22.23	10.00	50.00
Espesor	mm	4.0	2.5	25.0

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	9.622	104.810	9.18
Punzonamiento por esfuerzo cortante	kN	6.843	322.298	2.12
Interacción axil y momentos	--	--	--	10.09
Cortante en la cara del cordón	kN	8.944	296.851	3.01

2) Diagonal A ESTRUC RED 2 1/2'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_i/t_i	--	18.10	--	28.99
D_i/D	--	0.81	0.40	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	33.69	30.00	--
Solapamiento	%	26.65	25.00	100.00
t_i/t_j	--	1.00	--	1.00

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	8.481	73.255	11.58
Punzonamiento por esfuerzo cortante	kN	8.481	331.923	2.56
Plastificación local de la diagonal solapante	kN	8.481	233.993	3.62
Interacción axil y momentos	--	--	--	17.28

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	73	6	4
Soldadura de filete	En ángulo	SMAW	40	154	9	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	73	6	4
Soldadura de filete	En ángulo	SMAW	40	71	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

3) Montante ESTRUC RED 2 1/2'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_b/t_b	--	18.10	--	28.99
D_b/D	--	0.81	0.40	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	56.31	30.00	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	1.232	10.642	11.58
Punzonamiento por esfuerzo cortante	kN	1.232	48.218	2.56
Interacción axil y momentos	--	--	--	10.71

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	92	6	4
Soldadura de filete	En ángulo	SMAW	40	29	6	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	92	6	4
Soldadura de filete	En ángulo	SMAW	40	29	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

4) Diagonal B ESTRUC RED 2 1/2'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_i/t_i	--	18.10	--	28.99
D_i/D	--	0.81	0.40	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	33.69	30.00	--
Solapamiento	%	26.65	25.00	100.00
t_i/t_j	--	1.00	--	1.00

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	10.749	92.842	11.58
Punzonamiento por esfuerzo cortante	kN	10.749	420.671	2.56
Plastificación local de la diagonal solapante	kN	10.749	233.993	4.59
Interacción axil y momentos	--	--	--	17.31

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	73	6	4
Soldadura de filete	En ángulo	SMAW	40	71	9	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	73	6	4
Soldadura de filete	En ángulo	SMAW	40	154	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

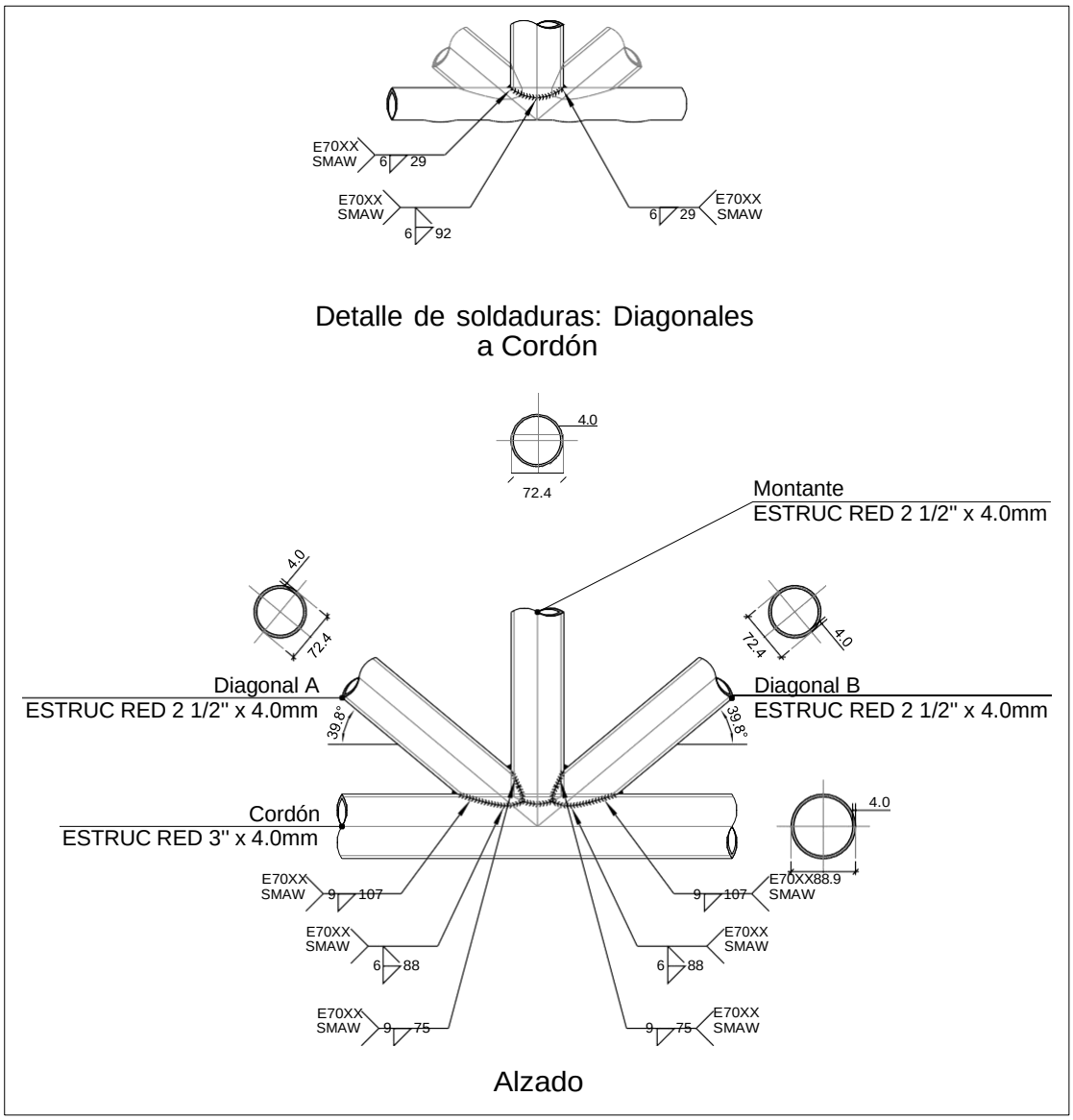
Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

d) Cómputo

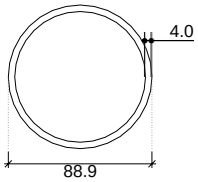
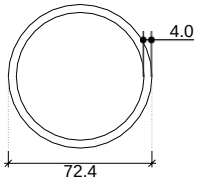
Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	58
			9	451
		Combinada a tope en bisel simple y en ángulo	6	475

2.4.4.5. Tipo 5

a) Detalle



b) Descripción de los componentes de la unión

Perfiles							
Pieza		Geometría			Acero		
		Esquema	Diámetro exterior (mm)	Espesor (mm)	Tipo	F_y (MPa)	F_u (MPa)
Cordón	ESTRUC RED 3'' x 4.0mm		88.9	4	A572 50ksi	345.0	450.0
Diagonal	ESTRUC RED 2 1/2'' x 4.0mm		72.4	4	A572 50ksi	345.0	450.0

c) Comprobación

1) Cordón ESTRUC RED 3'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D/t	--	22.23	10.00	50.00
Espesor	mm	4.0	2.5	25.0

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	20.908	199.176	10.50
Punzonamiento por esfuerzo cortante	kN	20.908	289.350	7.23
Interacción axil y momentos	--	--	--	16.59
Cortante en la cara del cordón	kN	30.204	391.690	7.71

2) Diagonal A ESTRUC RED 2 1/2'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_i/t_i	--	18.10	--	28.99
D_i/D	--	0.81	0.40	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	39.81	30.00	--
Solapamiento	%	34.84	25.00	100.00
t_i/t_j	--	1.00	--	1.00

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	21.525	179.892	11.97
Punzonamiento por esfuerzo cortante	kN	21.525	347.909	6.19
Plastificación local de la diagonal solapante	kN	21.525	233.993	9.20
Interacción axil y momentos	--	--	--	18.32

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	88	6	4
Soldadura de filete	En ángulo	SMAW	40	107	9	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	88	6	4
Soldadura de filete	En ángulo	SMAW	40	75	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

3) Montante ESTRUC RED 2 1/2'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_b/t_b	--	18.10	--	28.99
D_b/D	--	0.81	0.40	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	50.19	30.00	--

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	0.983	9.267	10.61
Punzonamiento por esfuerzo cortante	kN	0.981	17.650	5.56
Interacción axil y momentos	--	--	--	2.51

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	92	6	4
Soldadura de filete	En ángulo	SMAW	40	29	6	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	92	6	4
Soldadura de filete	En ángulo	SMAW	40	29	6	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

4) Diagonal B ESTRUC RED 2 1/2'' x 4.0mm

Comprobaciones geométricas				
Comprobación	Unidades	Calculado	Límites	
			Mínimo	Máximo
F_y / F_u	--	0.77	--	0.80
Límite elástico	MPa	345.0	--	360.0
D_i/t_i	--	18.10	--	28.99
D_i/D	--	0.81	0.40	1.00
Espesor	mm	4.0	2.5	25.0
Ángulo	grados	39.81	30.00	--
Solapamiento	%	34.84	25.00	100.00
t_i/t_j	--	1.00	--	1.00

Comprobaciones de resistencia				
Comprobación	Unidades	Pésimo	Resistente	Aprov. (%)
Plastificación del cordón	kN	17.888	168.577	10.61
Punzonamiento por esfuerzo cortante	kN	17.811	320.408	5.56
Plastificación local de la diagonal solapante	kN	17.888	233.993	7.64
Interacción axil y momentos	--	--	--	16.42

Soldaduras (ANSI/AISC 360-10, CHAPTER J)

Comprobaciones geométricas						
Descripción	Tipo	P.S.	Longitud efectiva		Lado	Profundidad del surco (mm)
			l_{min} (mm)	l (mm)	w (mm)	
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	88	6	4
Soldadura de filete	En ángulo	SMAW	40	107	9	--
Soldadura combinada a tope en bisel simple y en ángulo	A tope en bisel simple y en ángulo	SMAW	40	88	6	4
Soldadura de filete	En ángulo	SMAW	40	75	9	--

P.S.: Proceso de soldeo.
l: Longitud efectiva del cordón de soldadura.
w: Espesor del lado del cordón de soldadura.
--: La comprobación no procede.

Comprobación de resistencia													
Descripción	Lado (mm)	t (mm)	l (mm)	Electrodo	Metal Base	Cortante (Metal Soldadura)			Tensiones (Metal Base)			Factor Resistencia	
				F_w (MPa)	F_y (MPa)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	Caso pesimo (MPa)	Resistente (MPa)	Aprov. (%)	ϕMaterial base	ϕSoldadura
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												
Soldadura combinada a tope en bisel simple y en ángulo	La combinación de soldadura en bisel y soldadura en ángulo genera un cordón cuya resistencia es igual a la menor resistencia de las piezas a unir.												
Soldadura de filete	Se adopta el lado de soldadura cuyo espesor de garganta aporta una resistencia igual a la menor resistencia de las piezas a unir.												

d) Cómputo

Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	58
			9	365
		Combinada a tope en bisel simple y en ángulo	6	535

2.4.5. Cómputo

Soldaduras				
Clase de resistencia	Ejecución	Tipo	Lado (mm)	Longitud de cordones (mm)
E70XX	En taller	De filete	6	245
			9	817
		Combinada a tope en bisel simple y en ángulo	6	1461

Placas de anclaje				
Material	Elementos	Cantidad	Dimensiones (mm)	Peso (kg)
A36	Placa base	24	200x200x15.9	119.82
	Rigidizadores no pasantes	96	55/0x100/20x6.4	15.95
			Total	135.77
A-325 (liso)	Pernos de anclaje	192	Ø 15.9 - L = 752 + 181	278.19
			Total	278.19

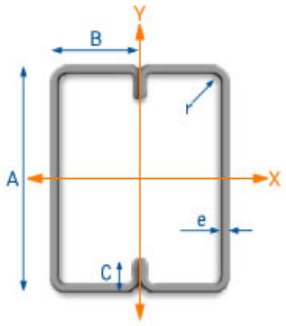
ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

DISEÑO CORREAS METÁLICAS

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

Tipo de sección: Cajón



Materiales	
Módulo de elasticidad del acero E (kg/cm²) :	2040000
Esfuerzo de fluencia del Perlín Fy (kg/cm²) :	3500
Esfuerzo último del perlín Fu (kg/cm²) :	4570

Número de luces: 1 Luz



Separación correas S(m): 1,14

Pendiente de la cubierta M (%): 21

Tensores a: L/2

Cargas Sobreimpuestas

Tipo de teja:	Arquitectónica (4.32Kg/m²)
Elementos varios:	Lámparas (4Kg/m²)
Carga viva (kg/m²):	35
Granizo (kg/m²):	0
Otro adicional a los anteriores (kg/m²):	0,00
Viento en succión (kg/m²):	-50
Viento en presión (kg/m²):	50

Notas:
- Viento en succión con signo negativo (-).
-La carga de granizo que aparece por defecto es sugerida por el programa de acuerdo a la pendiente de la cubierta. Recuerde que las regiones ubicadas a menos de 2000m sobre el nivel del mar no se debe tener en cuenta la carga de granizo.

Arrugamiento del Alma

Ancho del apoyo (cm): 5

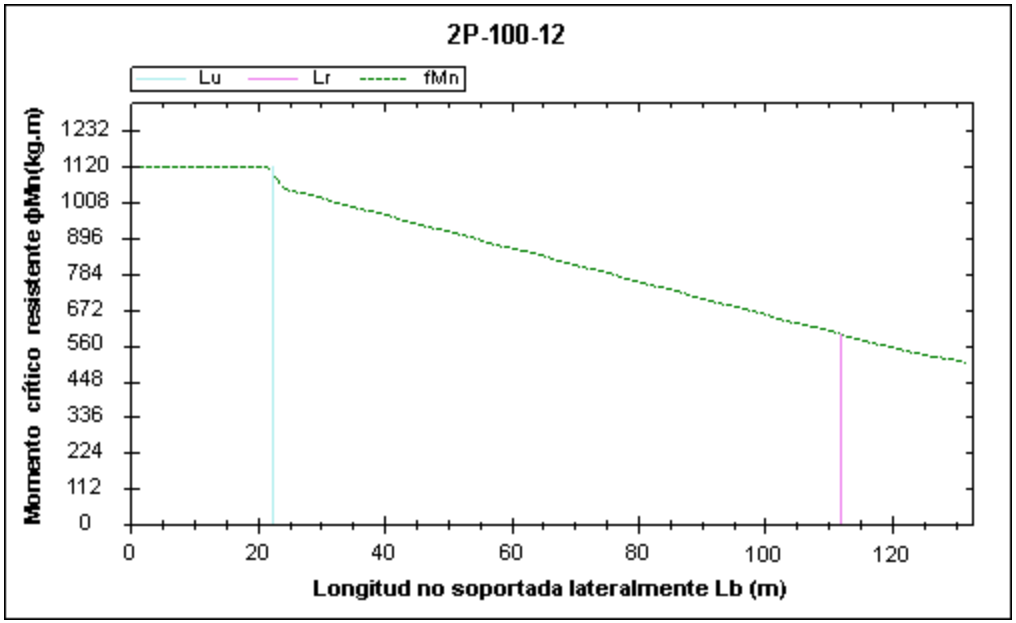
NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Selección: 2P-100-12

Designación	Peso negro Kg/m	Momento último Mu (kg-m)	Cortante último Vu (kg)	(Mux/ϕMnx)+(Muy/ϕMny)	(Mux/ϕMnx)²+(Vux/ϕVnx)²	0.91(P/Pn)+(M/Mnxo)
2P-125-16	5,66	384,31	376,73	0,53	0,25	0,83
2P-150-16	6,24	385,79	378,66	0,43	0,16	0,73
2P-6-16	6,94	387,57	380,98	0,39	0,14	0,7
2P-125-14	7,54	389,09	382,97	0,33	0,1	0,47
2P3-6-16	7,62	389,29	383,24	0,37	0,13	0,69
2P-8-16	8,14	390,61	384,96	0,27	0,08	0,61
2P-150-14	8,32	391,07	385,56	0,26	0,06	0,41
2P-100-12	8,4	391,27	385,82	0,37	0,12	0,46
2P-9-16	8,74	392,14	386,95	0,23	0,06	0,58
2P3-8-16	8,82	392,34	387,22	0,26	0,07	0,6
2P-6-14	9,26	393,46	388,68	0,23	0,05	0,39
2P-10-16	9,34	393,66	388,94	0,21	0,06	0,57
2P3-9-16	9,42	393,87	389,21	0,22	0,06	0,58
2P-125-12	9,42	393,87	389,21	0,28	0,07	0,37
2P3-10-16	10,02	395,39	391,2	0,21	0,06	0,57
2P-100-11	10,08	395,54	391,4	0,32	0,1	0,39
2P3-6-14	10,16	395,75	391,66	0,23	0,05	0,38
2P-150-12	10,4	396,36	392,46	0,22	0,04	0,32
2P-12-16	10,52	396,66	392,86	0,19	0,06	0,56
2P-8-14	10,84	397,47	393,92	0,16	0,03	0,33
2P3-12-16	11,22	398,44	395,18	0,18	0,06	0,55
2P-125-11	11,3	398,64	395,45	0,24	0,05	0,31
2P-6-12	11,56	399,3	396,31	0,19	0,03	0,29
2P-9-14	11,64	399,51	396,57	0,14	0,02	0,31
2P-14-16	11,72	399,71	396,84	0,17	0,07	0,55
2P3-8-14	11,76	399,81	396,97	0,16	0,02	0,32
2P-10-14	12,44	401,54	399,23	0,13	0,02	0,29
2P-150-11	12,48	401,64	399,36	0,19	0,03	0,26
2P3-9-14	12,56	401,84	399,63	0,14	0,02	0,31
2P3-6-12	12,72	402,25	400,16	0,18	0,03	0,28
2P3-10-14	13,36	403,88	402,28	0,12	0,02	0,29
2P-8-12	13,56	404,38	402,94	0,13	0,02	0,24
2P-6-11	13,88	405,2	404	0,16	0,02	0,23
2P-12-14	14,04	405,6	404,54	0,1	0,01	0,28
2P-9-12	14,56	406,92	406,26	0,11	0,01	0,22
2P3-8-12	14,7	407,28	406,73	0,12	0,01	0,24
2P3-12-14	14,96	407,94	407,59	0,1	0,02	0,28
2P3-6-11	15,26	408,7	408,58	0,15	0,02	0,22
2P-10-12	15,56	409,46	409,58	0,1	0,01	0,21
2P-14-14	15,64	409,67	409,84	0,09	0,02	0,28
2P3-9-12	15,7	409,82	410,04	0,11	0,01	0,22
2P-8-11	16,28	411,29	411,97	0,11	0,01	0,19

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Propiedades Físicas y Geométricas	
A (cm):	10
B (cm):	5
C (cm):	2
CALIBRE:	12
ESPESOR, e (cm):	0,25
PESO NEGRO (kg/m):	8,4
PESO GALV (kg/m):	8,48
AREA BRUTA (cm²):	10,96
AREA EFECTIVA (cm²):	10,76
Ix (cm4):	167,97
Iex (cm4):	167,97
Sx (cm³):	33,59
Sxe (cm³):	33,59
Iy (cm4):	147,95
Iey (cm4):	145,88
Sy (cm³):	29,59
Sye (cm³):	28,95
rx (cm):	3,91
ry (cm):	3,67
Xcg (cm):	0
Ycg (cm):	0
J (cm4):	231,71
Cw (cm6):	979,1



Cargas Gravitacionales	
Carga muerta - D (kg/m²):	15,6884
Carga viva de cubierta - Lr (kg/m²):	35
Carga de granizo - G (kg/m²):	0
Viento en presión (kg/m²):	50
Viento en succión (kg/m²):	-50

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Combinaciones Hipótesis de Cargas	Carga Última En Dirección Horizontal Wh(Kg/m)			Carga Última En Dirección Vertical Wv(Kg/m)				
	Wucm = γcd	W CV = γ (CV)	Wu	Wcm = γcd	W CV = γ...	WCWp = γCW	WCWs = γCW	Wu
1,4CM+0CV+0W	5,15	0	5,15	24,5	0	0	0	24,5
1,2CM+1,6CV+0W	4,41	13,12	17,53	21	62,48	0	0	83,48
1,2CM+1,6CV+0,8W	4,41	13,12	17,53	21	62,48	45,6	-45,6	129,08
1,2CM+0,5CV+1,6W	4,41	4,1	8,51	21	19,52	91,2	-91,2	131,72
1,2CM+1CV+0W	4,41	8,2	12,61	21	39,05	0	0	60,05
0,9CM+0CV+1,6W	3,31	0	3,31	15,75	0	91,2	-91,2	106,95
0,9CM+0CV+0W	3,31	0	3,31	15,75	0	0	0	15,75

Combinaciones Hipótesis de Cargas	Momento Último Mu(kg·m)		Cortante Último Vu(kg)	
	Muy	Mux	Vuy	Vux
1,4CM+0CV+0W	5,13	53,01	3,18	69,22
1,2CM+1,6CV+0W	17,49	294,74	10,85	259,75
1,2CM+1,6CV+0,8W	17,49	391,27	10,85	385,82
1,2CM+0,5CV+1,6W	8,49	316,41	5,27	374,11
1,2CM+1CV+0W	12,58	201,25	7,8	184,6
0,9CM+0CV+1,6W	3,3	227,15	2,05	296,64
0,9CM+0CV+0W	3,3	34,08	2,05	44,5

Mux = 391 kg.m

Muy = 17 kg.m

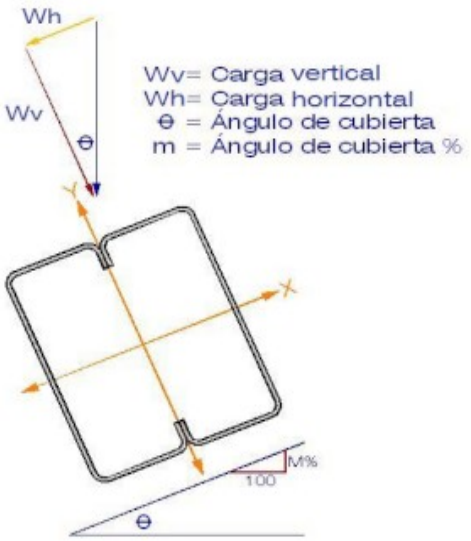
Vux = 386 kg

NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

Capacidades de la sección	
Mnx (kg-m):	1176
Mny (kg-m):	1013
Mnrx (kg-m):	593
Vnx (kg):	8964
Condición de soporte lateral:	2
Lb (m) (Longitud no arriostrada):	2,82
Lu (m):	22,6
Lr (m):	112,07
Cb:	1,3
Fe (kg/cm²):	101215,32
Fc (kg/cm²):	3500
ϕMnx (kg-m):	1117
ϕMny (kg-m):	962,35

Análisis De Deflexiones		
Inercia de la sección Ixe (cm4):	168	
Δy(cm) CV:	1,31	
Δadm(cm) CV: L/240=	2,354	OK
Δy(cm) CM+(CV ó G):	1,522	
Δadm(cm) CM+(Cv ó G): L/180=	3,139	OK
Δy(cm) CV en voladizo:	-1,82	
Δadm(cm) CV en voladizo: L/180=	1,156	OK
Δy(cm) CM+(CV ó G) en voladizo:	-1,55	
Δadm(cm) CM+(Cv ó G) en voladizo: L/120=	-1,733	OK

Verificación arrugamiento del alma		
t (cm):	0,25	
h (cm):	9	
Pn (kg):	3168,33	
Rc:	0,98	
Rc*Pn (kg):	3092,29	
Pu<Pn	OK!	
Verificación flexión y arrugamiento	0,52	<=1.460 ok!



NOTA: Estas memorias de cálculo deben ser revisadas y aprobadas por un Ingeniero Calculista.

ESTUDIOS Y DISEÑOS DE LAS OBRAS DE CONSTRUCCION, AMPLIACION Y REMODELACION DEL PARQUE PRINCIPAL ROJAS PINILLA EN EL MUNICIPIO DE MELGAR – TOLIMA

ANJO INGENIERIA SAS.

DISEÑO CIMENTACIÓN (ZAPATAS Y VIGAS)

Carrera 17 # 70-06 la Concepción (Barrios Unidos- Bogotá)
Conjunto Terra -Santa Cruz, vía al aeropuerto con calle 99, Apto 703-Torre 16 (Ibagué, Tolima)
Cel: 318-2731238

Listado de fundación

CONCRETO TARIMA MELGAR

1. LISTADO DE ELEMENTOS DE FUNDACIÓN

1.1. Comprobación

Referencia: A-1 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.15 MPa Calculado: 0.0155979 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.187469 MPa Calculado: 0.0204048 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 787.6 %	Cumple
- En dirección Y:	Reserva seguridad: 8537.9 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 1.81 kN·m	Cumple
- En dirección Y:	Momento: 1.34 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 3.83 kN	Cumple
- En dirección Y:	Cortante: 2.75 kN	Cumple
Compresión oblicua en la zapata:		
- Situaciones persistentes: *Criterio de CYPE*	Máximo: 6180.3 kN/m² Calculado: 41.1 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 30 cm	Cumple
Espacio para anclar arranques en fundación:		
- A-1:	Mínimo: 20 cm Calculado: 23 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.0025	Cumple
- Armado inferior dirección Y:	Calculado: 0.0025	Cumple
Diámetro mínimo de las barras:		
- Parrilla inferior: *Criterio de CYPE*	Mínimo: 10 mm Calculado: 12.7 mm	Cumple

Listado de fundación

CONCRETO TARIMA MELGAR

Referencia: A-1 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*	Mínimo: 28 cm	
- Armado inf. dirección X hacia der:	Calculado: 58 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 58 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 20 cm	
- Armado inf. dirección X hacia der:	Calculado: 50 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 50 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 5.22088 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima (En dirección X): 0.03		
- Relación rotura pésima (En dirección Y): 0.02		
- Cortante de agotamiento (En dirección X): 228.97 kN		
- Cortante de agotamiento (En dirección Y): 228.97 kN		
Referencia: A-2 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		

Listado de fundación

CONCRETO TARIMA MELGAR

Referencia: A-2 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
- Tensión media en situaciones persistentes:	Máximo: 0.15 MPa Calculado: 0.0457146 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.187469 MPa Calculado: 0.063765 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 682.1 %	Cumple
- En dirección Y:	Reserva seguridad: 18743.1 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 8.10 kN·m	Cumple
- En dirección Y:	Momento: 6.02 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 16.87 kN	Cumple
- En dirección Y:	Cortante: 12.26 kN	Cumple
Compresión oblicua en la zapata: - Situaciones persistentes: *Criterio de CYPE*	Máximo: 6180.3 kN/m² Calculado: 192.2 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 30 cm	Cumple
Espacio para anclar arranques en fundación: - A-2:	Mínimo: 20 cm Calculado: 23 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.0025	Cumple
- Armado inferior dirección Y:	Calculado: 0.0025	Cumple
Diámetro mínimo de las barras: - Parrilla inferior: *Criterio de CYPE*	Mínimo: 10 mm Calculado: 12.7 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple

Referencia: A-2 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*	Mínimo: 28 cm	
- Armado inf. dirección X hacia der:	Calculado: 58 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 58 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 20 cm	
- Armado inf. dirección X hacia der:	Calculado: 50 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 50 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 23.4469 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 17.3814 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima (En dirección X): 0.11		
- Relación rotura pésima (En dirección Y): 0.08		
- Cortante de agotamiento (En dirección X): 228.97 kN		
- Cortante de agotamiento (En dirección Y): 228.97 kN		

Referencia: A-3 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.15 MPa Calculado: 0.0463032 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.187469 MPa Calculado: 0.0643536 MPa	Cumple

Referencia: A-3
Dimensiones: 150 x 150 x 30
Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15

Comprobación	Valores	Estado
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 686.9 %	Cumple
- En dirección Y:	Reserva seguridad: 19126.9 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 8.22 kN·m	Cumple
- En dirección Y:	Momento: 6.12 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 17.17 kN	Cumple
- En dirección Y:	Cortante: 12.56 kN	Cumple
Compresión oblicua en la zapata:		
- Situaciones persistentes: *Criterio de CYPE*	Máximo: 6180.3 kN/m² Calculado: 195.7 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 30 cm	Cumple
Espacio para anclar arranques en fundación:	Mínimo: 20 cm	
- A-3:	Calculado: 23 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.0025	Cumple
- Armado inferior dirección Y:	Calculado: 0.0025	Cumple
Diámetro mínimo de las barras:		
- Parrilla inferior: *Criterio de CYPE*	Mínimo: 10 mm Calculado: 12.7 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple

Referencia: A-3
Dimensiones: 150 x 150 x 30
Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15

Comprobación	Valores	Estado
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*	Mínimo: 28 cm	
- Armado inf. dirección X hacia der:	Calculado: 58 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 58 cm	Cumple
Longitud mínima de los ganchos:	Mínimo: 20 cm	
- Armado inf. dirección X hacia der:	Calculado: 50 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 50 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 23.7893 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 17.6521 MPa	Cumple
Se cumplen todas las comprobaciones		

Información adicional:
- Relación rotura pésima (En dirección X): 0.11
- Relación rotura pésima (En dirección Y): 0.08
- Cortante de agotamiento (En dirección X): 228.97 kN
- Cortante de agotamiento (En dirección Y): 228.97 kN

Referencia: A-4
Dimensiones: 150 x 150 x 30
Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15

Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.15 MPa Calculado: 0.0154998 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.187469 MPa Calculado: 0.0200124 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 819.3 %	Cumple
- En dirección Y:	Reserva seguridad: 7752.5 %	Cumple
Flexión en la zapata:		

Referencia: A-4 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
- En dirección X:	Momento: 1.75 kN·m	Cumple
- En dirección Y:	Momento: 1.32 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 3.73 kN	Cumple
- En dirección Y:	Cortante: 2.75 kN	Cumple
Compresión oblicua en la zapata:		
- Situaciones persistentes: *Criterio de CYPE*	Máximo: 6180.3 kN/m² Calculado: 40.3 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 30 cm	Cumple
Espacio para anclar arranques en fundación: - A-4:	Mínimo: 20 cm Calculado: 23 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)*	Mínimo: 0.0018	
- Armado inferior dirección X:	Calculado: 0.0025	Cumple
- Armado inferior dirección Y:	Calculado: 0.0025	Cumple
Diámetro mínimo de las barras:		
- Parrilla inferior: *Criterio de CYPE*	Mínimo: 10 mm Calculado: 12.7 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE*	Máximo: 30 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16*	Mínimo: 10 cm	
- Armado inferior dirección X:	Calculado: 15 cm	Cumple
- Armado inferior dirección Y:	Calculado: 15 cm	Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991*	Mínimo: 28 cm	
- Armado inf. dirección X hacia der:	Calculado: 58 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 58 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 58 cm	Cumple

Referencia: A-4 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Longitud mínima de los ganchos:	Mínimo: 20 cm	
- Armado inf. dirección X hacia der:	Calculado: 50 cm	Cumple
- Armado inf. dirección X hacia izq:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia arriba:	Calculado: 50 cm	Cumple
- Armado inf. dirección Y hacia abajo:	Calculado: 50 cm	Cumple
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 5.06294 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 0 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima (En dirección X): 0.03		
- Relación rotura pésima (En dirección Y): 0.02		
- Cortante de agotamiento (En dirección X): 228.97 kN		
- Cortante de agotamiento (En dirección Y): 228.97 kN		

Referencia: B-2 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.15 MPa Calculado: 0.025506 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.187469 MPa Calculado: 0.0312939 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 1175.4 %	Cumple
- En dirección Y:	Reserva seguridad: 88076.6 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 3.52 kN·m	Cumple
- En dirección Y:	Momento: 2.79 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 7.36 kN	Cumple
- En dirección Y:	Cortante: 5.69 kN	Cumple

Referencia: B-2 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Compresión oblicua en la zapata: - Situaciones persistentes: *Criterio de CYPE*	 Máximo: 6180.3 kN/m² Calculado: 90 kN/m²	 Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 30 cm	 Cumple
Espacio para anclar arranques en fundación: - B-2:	Mínimo: 20 cm Calculado: 23 cm	 Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)* - Armado inferior dirección X: - Armado inferior dirección Y:	 Mínimo: 0.0018 Calculado: 0.0025 Calculado: 0.0025	 Cumple Cumple
Diámetro mínimo de las barras: - Parrilla inferior: *Criterio de CYPE*	 Mínimo: 10 mm Calculado: 12.7 mm	 Cumple
Separación máxima entre barras: *Criterio de CYPE* - Armado inferior dirección X: - Armado inferior dirección Y:	 Máximo: 30 cm Calculado: 15 cm Calculado: 15 cm	 Cumple Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16* - Armado inferior dirección X: - Armado inferior dirección Y:	 Mínimo: 10 cm Calculado: 15 cm Calculado: 15 cm	 Cumple Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991* - Armado inf. dirección X hacia der: - Armado inf. dirección X hacia izq: - Armado inf. dirección Y hacia arriba: - Armado inf. dirección Y hacia abajo:	 Mínimo: 28 cm Calculado: 58 cm Calculado: 58 cm Calculado: 58 cm Calculado: 58 cm	 Cumple Cumple Cumple Cumple
Longitud mínima de los ganchos: - Armado inf. dirección X hacia der: - Armado inf. dirección X hacia izq: - Armado inf. dirección Y hacia arriba: - Armado inf. dirección Y hacia abajo:	Mínimo: 20 cm Calculado: 50 cm Calculado: 50 cm Calculado: 50 cm Calculado: 50 cm	 Cumple Cumple Cumple Cumple

Referencia: B-2 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Tensión máxima en la armadura para limitar la fisuración:	Máximo: 247.212 MPa	
- Armado inferior dirección X:	Calculado: 9.60497 MPa	Cumple
- Armado inferior dirección Y:	Calculado: 7.71164 MPa	Cumple
Se cumplen todas las comprobaciones		
Información adicional:		
- Relación rotura pésima (En dirección X): 0.05		
- Relación rotura pésima (En dirección Y): 0.04		
- Cortante de agotamiento (En dirección X): 228.97 kN		
- Cortante de agotamiento (En dirección Y): 228.97 kN		

Referencia: B-4 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Tensiones sobre el terreno: *Criterio de CYPE*		
- Tensión media en situaciones persistentes:	Máximo: 0.15 MPa Calculado: 0.025506 MPa	Cumple
- Tensión máxima en situaciones persistentes:	Máximo: 0.187469 MPa Calculado: 0.0311958 MPa	Cumple
Vuelco de la zapata: *Si el % de reserva de seguridad es mayor que cero, quiere decir que los coeficientes de seguridad al vuelco son mayores que los valores estrictos exigidos para todas las combinaciones de equilibrio.*		
- En dirección X:	Reserva seguridad: 1194.1 %	Cumple
- En dirección Y:	Reserva seguridad: 104272.9 %	Cumple
Flexión en la zapata:		
- En dirección X:	Momento: 3.51 kN·m	Cumple
- En dirección Y:	Momento: 2.79 kN·m	Cumple
Cortante en la zapata:		
- En dirección X:	Cortante: 7.36 kN	Cumple
- En dirección Y:	Cortante: 5.69 kN	Cumple
Compresión oblicua en la zapata:		
- Situaciones persistentes: *Criterio de CYPE*	Máximo: 6180.3 kN/m² Calculado: 90.1 kN/m²	Cumple
Altura mínima: *Capítulo C.15.7 (norma NSR-10)*	Mínimo: 21 cm Calculado: 30 cm	Cumple

Listado de fundación

CONCRETO TARIMA MELGAR

Referencia: B-4 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
Espacio para anclar arranques en fundación: - B-4:	Mínimo: 20 cm Calculado: 23 cm	Cumple
Cuantía geométrica mínima: *Capítulo C.7.12.2.1 (norma NSR-10)* - Armado inferior dirección X: - Armado inferior dirección Y:	Mínimo: 0.0018 Calculado: 0.0025 Calculado: 0.0025	Cumple Cumple
Diámetro mínimo de las barras: - Parrilla inferior: *Criterio de CYPE*	Mínimo: 10 mm Calculado: 12.7 mm	Cumple
Separación máxima entre barras: *Criterio de CYPE* - Armado inferior dirección X: - Armado inferior dirección Y:	Máximo: 30 cm Calculado: 15 cm Calculado: 15 cm	Cumple Cumple
Separación mínima entre barras: *Criterio de CYPE, basado en: J. Calavera. "Cálculo de Estructuras de Cimentación". Capítulo 3.16* - Armado inferior dirección X: - Armado inferior dirección Y:	Mínimo: 10 cm Calculado: 15 cm Calculado: 15 cm	Cumple Cumple
Longitud de anclaje: *Criterio del libro "Cálculo de estructuras de cimentación", J. Calavera. Ed. INTEMAC, 1991* - Armado inf. dirección X hacia der: - Armado inf. dirección X hacia izq: - Armado inf. dirección Y hacia arriba: - Armado inf. dirección Y hacia abajo:	Mínimo: 28 cm Calculado: 58 cm Calculado: 58 cm Calculado: 58 cm Calculado: 58 cm	Cumple Cumple Cumple Cumple
Longitud mínima de los ganchos: - Armado inf. dirección X hacia der: - Armado inf. dirección X hacia izq: - Armado inf. dirección Y hacia arriba: - Armado inf. dirección Y hacia abajo:	Mínimo: 20 cm Calculado: 50 cm Calculado: 50 cm Calculado: 50 cm Calculado: 50 cm	Cumple Cumple Cumple Cumple
Tensión máxima en la armadura para limitar la fisuración: - Armado inferior dirección X: - Armado inferior dirección Y:	Máximo: 247.212 MPa Calculado: 9.57554 MPa Calculado: 7.70379 MPa	Cumple Cumple
Se cumplen todas las comprobaciones		
Información adicional: - Relación rotura pésima (En dirección X): 0.05		

Referencia: B-4 Dimensiones: 150 x 150 x 30 Armados: Xi:Ø1/2"c/15 Yi:Ø1/2"c/15		
Comprobación	Valores	Estado
- Relación rotura pésima (En dirección Y): 0.04 - Cortante de agotamiento (En dirección X): 228.97 kN - Cortante de agotamiento (En dirección Y): 228.97 kN		

2. LISTADO DE VIGAS DE ATADO

2.1. Comprobación

Referencia: V-C 30X30 [A-2 - B-2] (Viga de atado) -Dimensiones: 30.0 cm x 30.0 cm -Armado superior: 3Ø1/2" -Armado inferior: 3Ø1/2" -Estribos: 1xØ3/8"c/15		
Comprobación	Valores	Estado
Anchura mínima de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 18.3 cm Calculado: 30 cm	Cumple
Canto mínimo de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 18.3 cm Calculado: 30 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 14 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6* - Armado superior: - Armado inferior:	Mínimo: 2.5 cm Calculado: 4.6 cm Calculado: 4.6 cm	 Cumple Cumple
Separación máxima estribos: - Sin cortantes: *Norma NSR-10. Artículo C.7.10.5.2*	Máximo: 20.3 cm Calculado: 15 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08* - Armado superior: - Armado inferior:	Máximo: 30 cm Calculado: 4.6 cm Calculado: 4.6 cm	 Cumple Cumple
Se cumplen todas las comprobaciones		
Información adicional: - Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 12.7 mm (Cumple) - No llegan estados de carga a la fundación.		

Referencia: V-C 30X30 [A-1 - A-2] (Viga de atado)
-Dimensiones: 30.0 cm x 30.0 cm
-Armado superior: 3Ø1/2"
-Armado inferior: 3Ø1/2"
-Estribos: 1xØ3/8"c/15

Comprobación	Valores	Estado
Anchura mínima de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 3.5 cm Calculado: 30 cm	Cumple
Canto mínimo de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 3.5 cm Calculado: 30 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 14 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 4.6 cm	Cumple
- Armado inferior:	Calculado: 4.6 cm	Cumple
Separación máxima estribos:		
- Sin cortantes: *Norma NSR-10. Artículo C.7.10.5.2*	Máximo: 20.3 cm Calculado: 15 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	
- Armado superior:	Calculado: 4.6 cm	Cumple
- Armado inferior:	Calculado: 4.6 cm	Cumple
Se cumplen todas las comprobaciones		

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 12.7 mm (Cumple)
- No llegan estados de carga a la fundación.

Referencia: V-C 30X30 [A-3 - B-4] (Viga de atado)
-Dimensiones: 30.0 cm x 30.0 cm
-Armado superior: 3Ø1/2"
-Armado inferior: 3Ø1/2"
-Estribos: 1xØ3/8"c/15

Comprobación	Valores	Estado
Anchura mínima de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 18.3 cm Calculado: 30 cm	Cumple
Canto mínimo de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 18.3 cm Calculado: 30 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple

Referencia: V-C 30X30 [A-3 - B-4] (Viga de atado)
-Dimensiones: 30.0 cm x 30.0 cm
-Armado superior: 3Ø1/2"
-Armado inferior: 3Ø1/2"
-Estribos: 1xØ3/8"c/15

Comprobación	Valores	Estado
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 14 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 4.6 cm	Cumple
- Armado inferior:	Calculado: 4.6 cm	Cumple
Separación máxima estribos:		
- Sin cortantes: *Norma NSR-10. Artículo C.7.10.5.2*	Máximo: 20.3 cm Calculado: 15 cm	Cumple
Separación máxima armadura longitudinal: *Artículo 42.3.1 de la norma EHE-08*	Máximo: 30 cm	
- Armado superior:	Calculado: 4.6 cm	Cumple
- Armado inferior:	Calculado: 4.6 cm	Cumple

Se cumplen todas las comprobaciones

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 12.7 mm (Cumple)
- No llegan estados de carga a la fundación.

Referencia: V-C 30X30 [A-3 - A-4] (Viga de atado)
-Dimensiones: 30.0 cm x 30.0 cm
-Armado superior: 3Ø1/2"
-Armado inferior: 3Ø1/2"
-Estribos: 1xØ3/8"c/15

Comprobación	Valores	Estado
Anchura mínima de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 3.5 cm Calculado: 30 cm	Cumple
Canto mínimo de la viga de atado: *Norma NSR-10. Artículo C.21.12.3.2*	Mínimo: 3.5 cm Calculado: 30 cm	Cumple
Diámetro mínimo estribos:	Mínimo: 6 mm Calculado: 9.525 mm	Cumple
Separación mínima entre estribos: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm Calculado: 14 cm	Cumple
Separación mínima armadura longitudinal: *Norma NSR-10. Artículo C.7.6*	Mínimo: 2.5 cm	
- Armado superior:	Calculado: 4.6 cm	Cumple
- Armado inferior:	Calculado: 4.6 cm	Cumple

Listado de fundación

CONCRETO TARIMA MELGAR

Referencia: V-C 30X30 [A-3 - A-4] (Viga de atado)
-Dimensiones: 30.0 cm x 30.0 cm
-Armado superior: 3Ø1/2"
-Armado inferior: 3Ø1/2"
-Estribos: 1xØ3/8"c/15

Comprobación	Valores	Estado
Separación máxima estribos:		
- Sin cortantes:	Máximo: 20.3 cm	
Norma NSR-10. Artículo C.7.10.5.2	Calculado: 15 cm	Cumple
Separación máxima armadura longitudinal:		
Artículo 42.3.1 de la norma EHE-08	Máximo: 30 cm	
- Armado superior:	Calculado: 4.6 cm	Cumple
- Armado inferior:	Calculado: 4.6 cm	Cumple
Se cumplen todas las comprobaciones		

Información adicional:

- Diámetro mínimo de la armadura longitudinal (Recomendación del Artículo 58.8.2 de la EHE-08): Mínimo: 12.0 mm, Calculado: 12.7 mm (Cumple)
- No llegan estados de carga a la fundación.