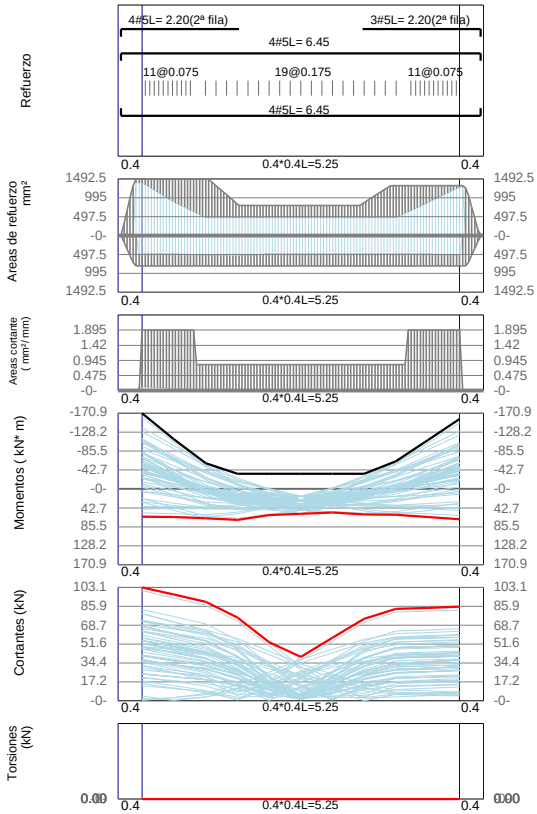
A. ANEXO 1. VIGAS AEREAS BLOQUE A

JUAN CARLOS CORTES CORTES
INGENIERO CIVIL
ESPECIALISTA EN ESTRUCTURAS
MS. CONSTRUCCIÓN (EC)
UNIVERSIDAD NACIONAL DE COLOMBIA.

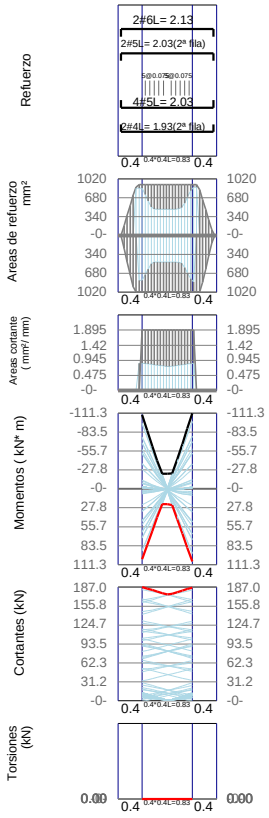
Teléfono: 3107800935
ingcortesjc@yahoo.com.ar

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VE101 / 3F



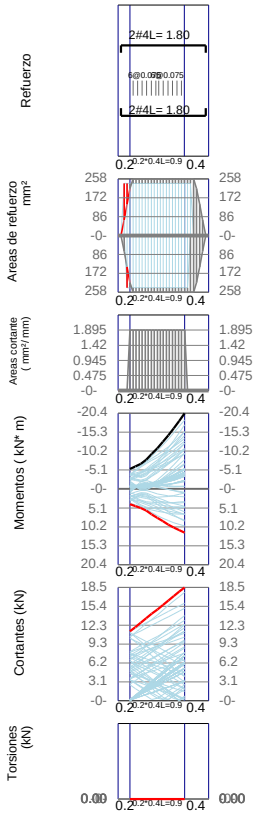
V101 / 4F



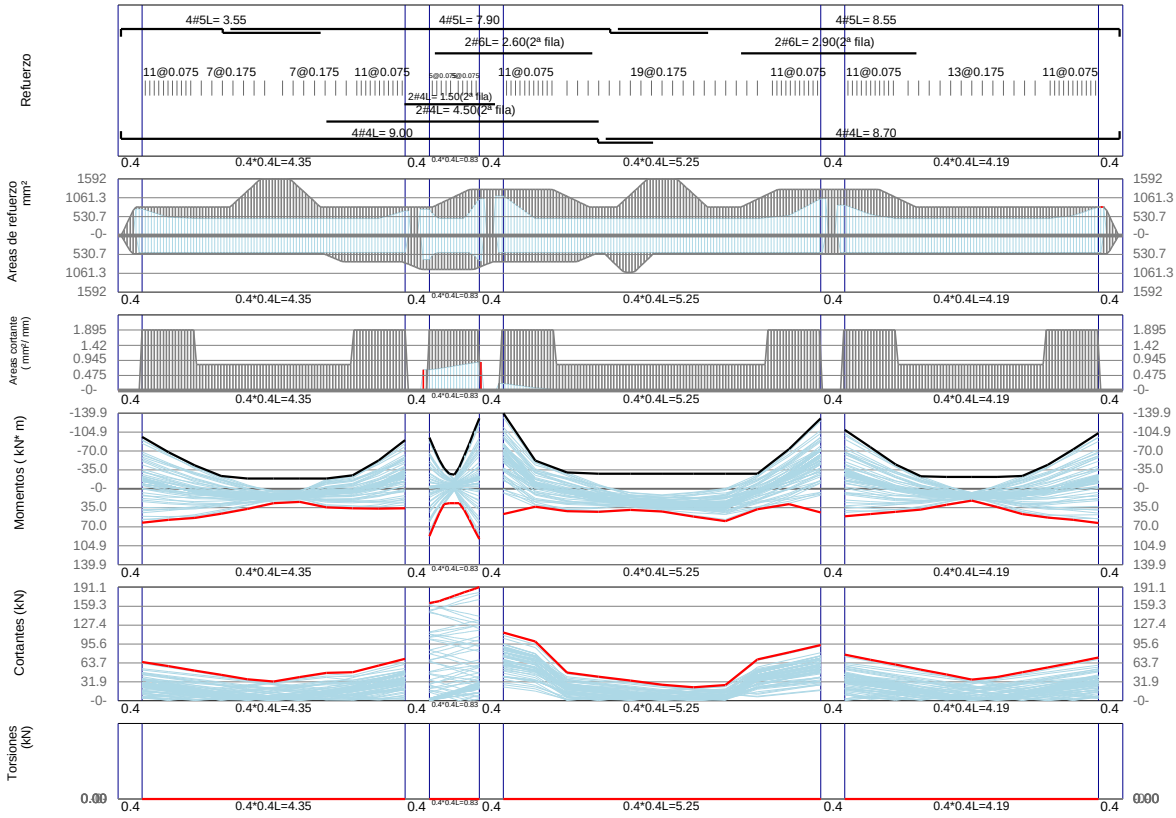
V102 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V102 / 4F



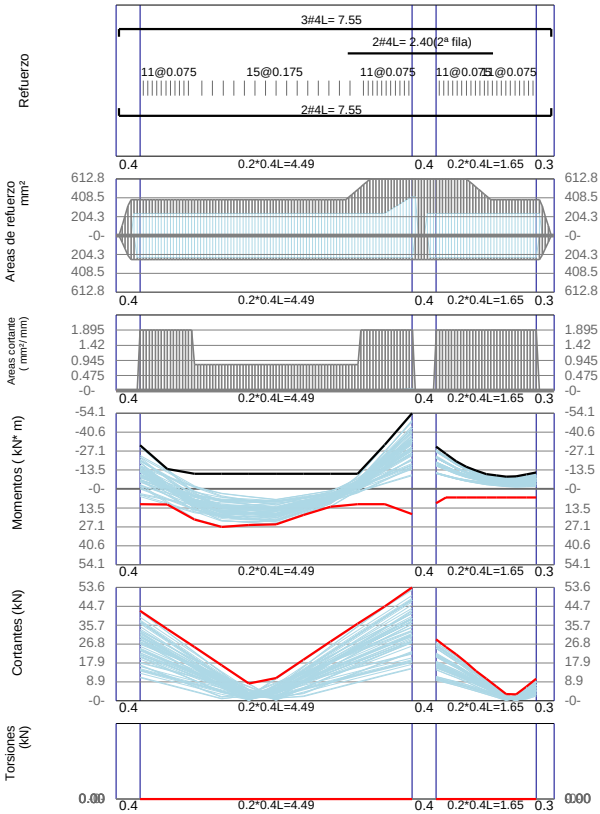
V103 / 4F



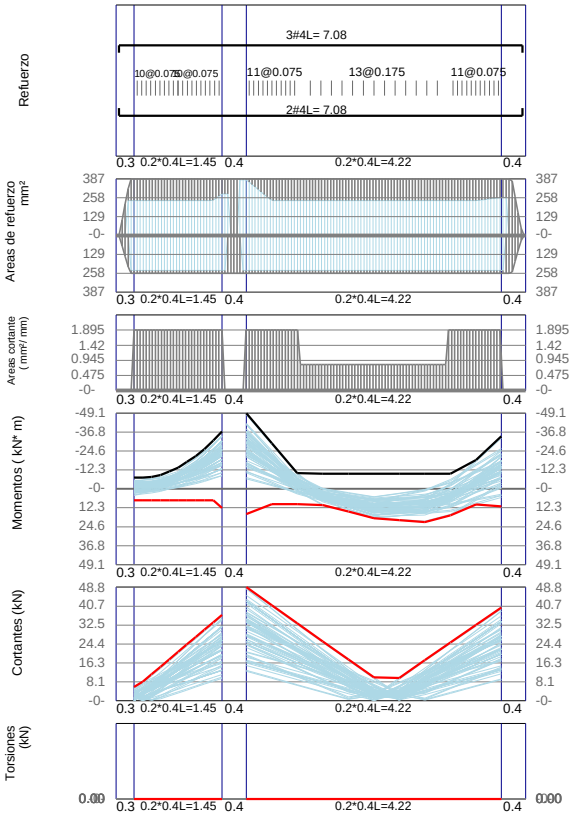
V104 / 4F

Nombre Principal		Dirección	
Nombre Auxiliar		Diseño Arquitectónico	
Propietario		Contenido	Memorias de Vigas
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Código Nimbus	
Norma	NSR-10 DMO		

V104 / 4F



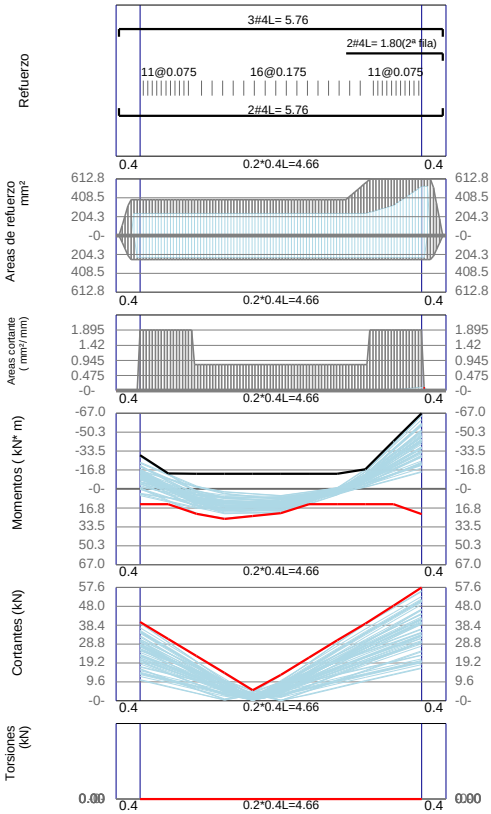
V105 / 4F



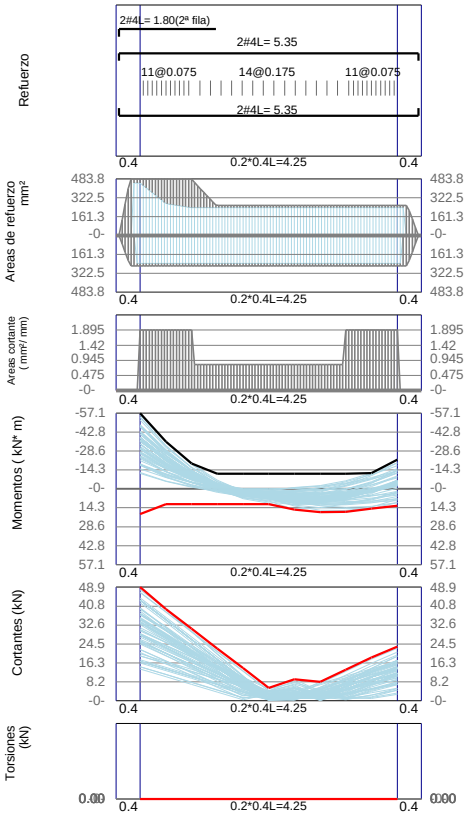
V106 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V106 / 4F



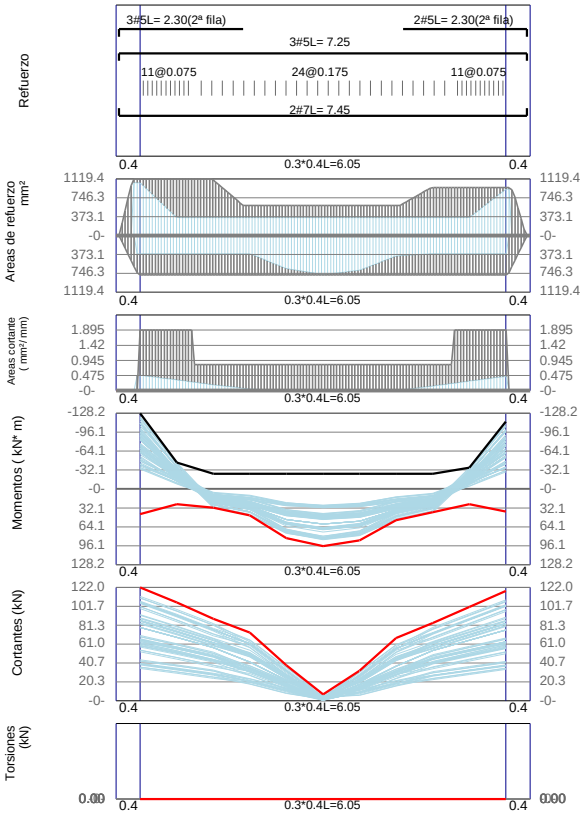
V107 / 4F



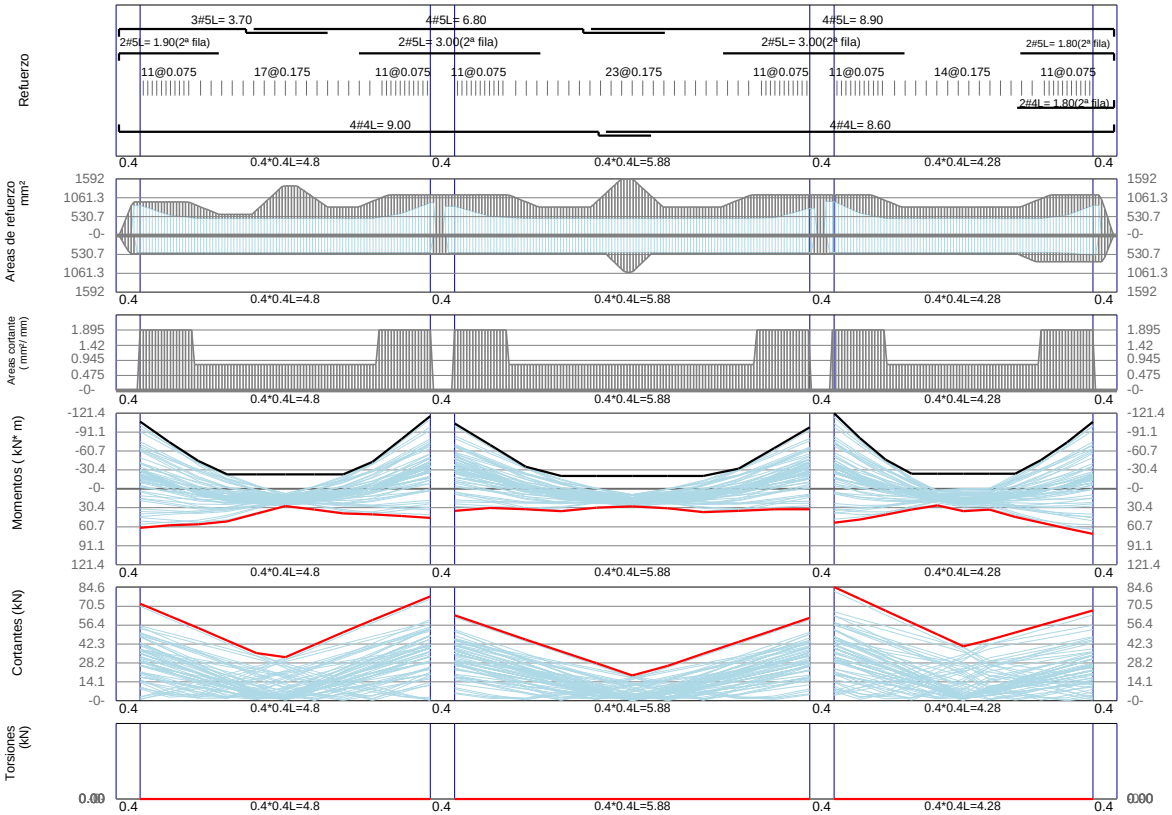
V108 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V108 / 4F



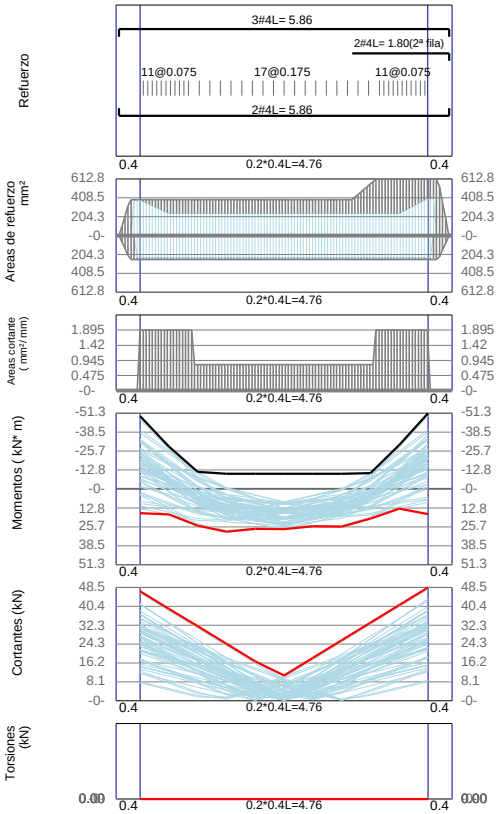
V109 / 4F



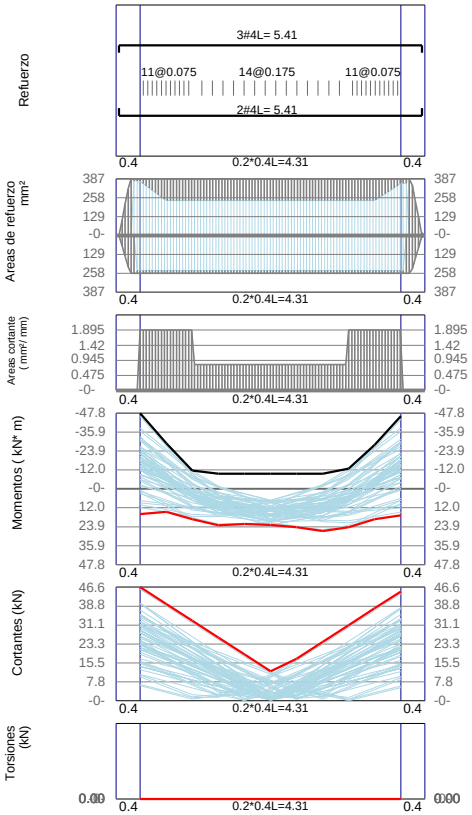
V110 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V110 / 4F



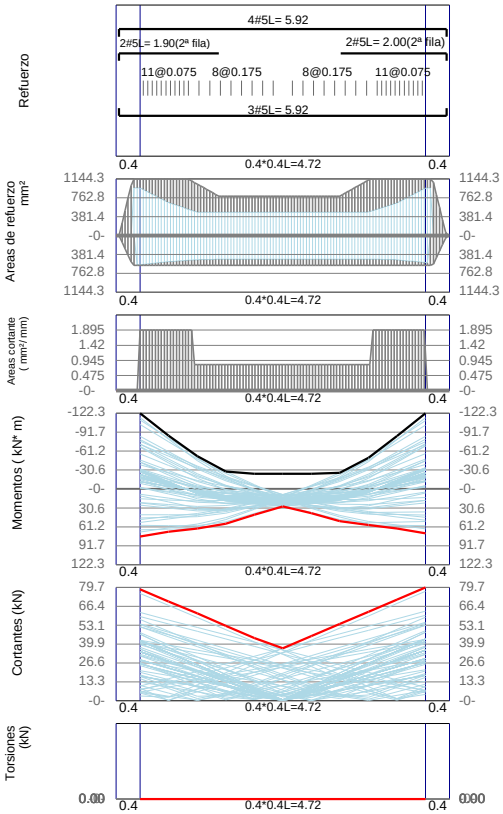
V111 / 4F



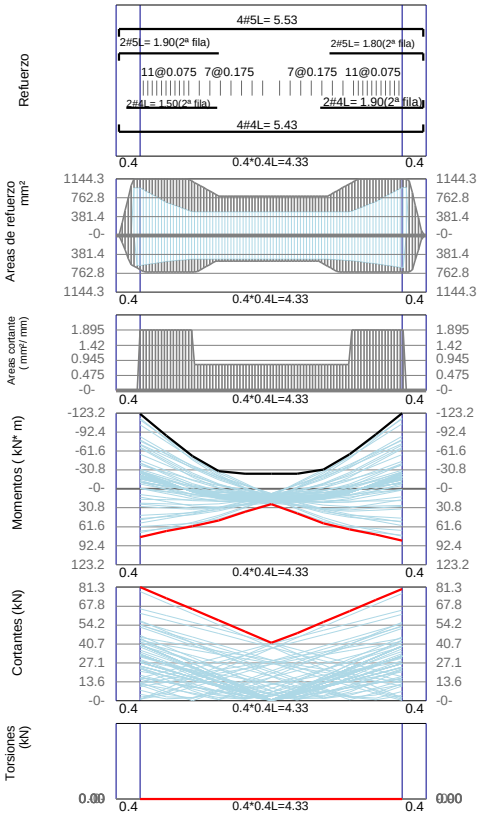
V112 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V112 / 4F



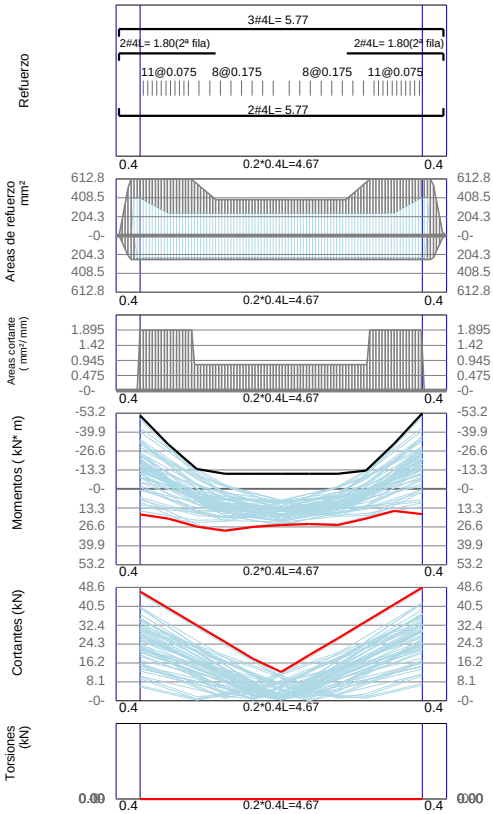
V113 / 4F



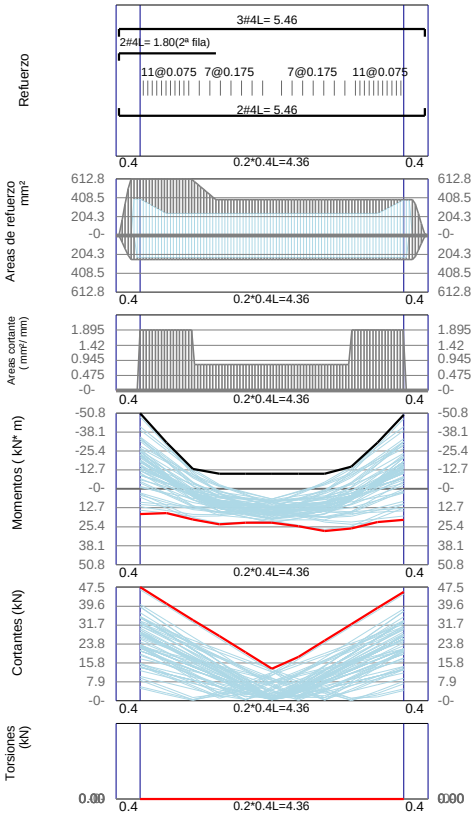
V114 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V114 / 4F



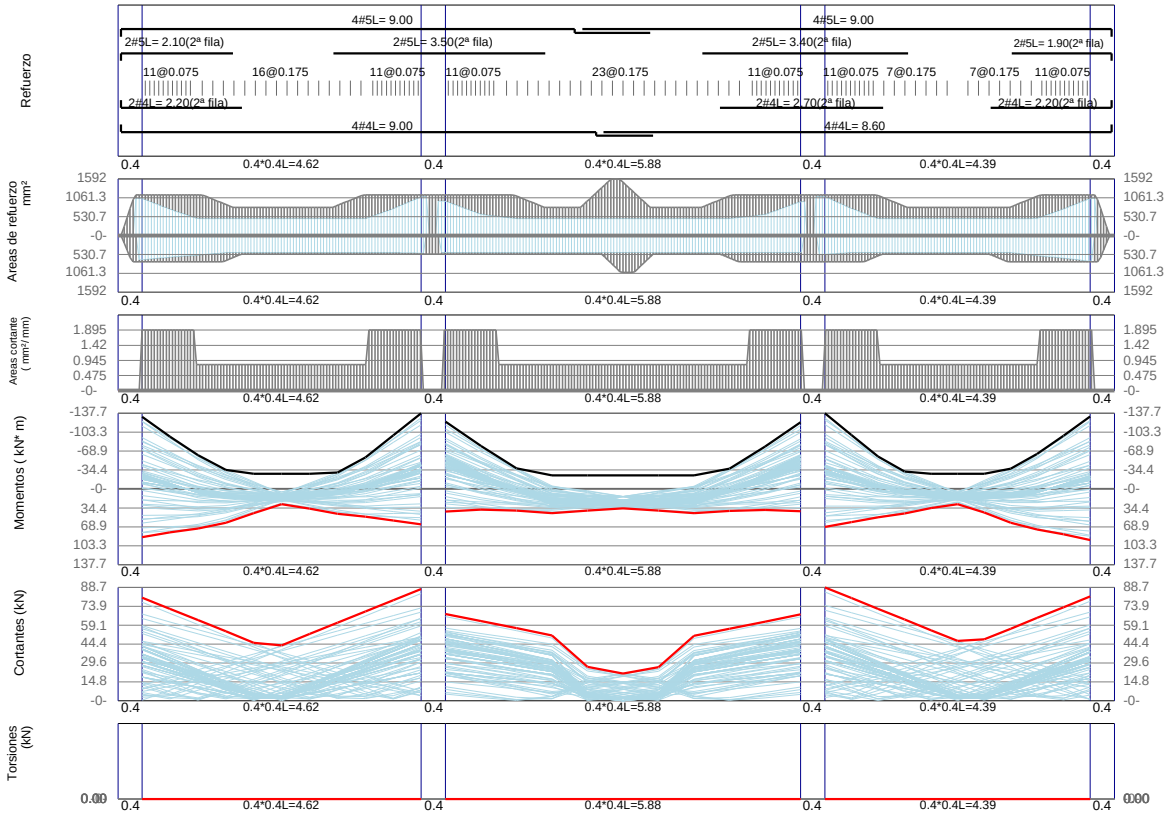
V115 / 4F



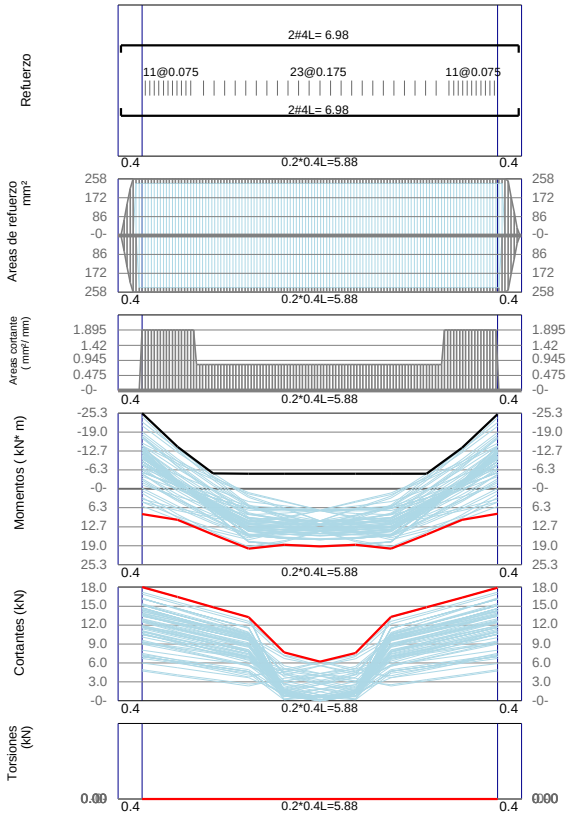
V116 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V116 / 4F



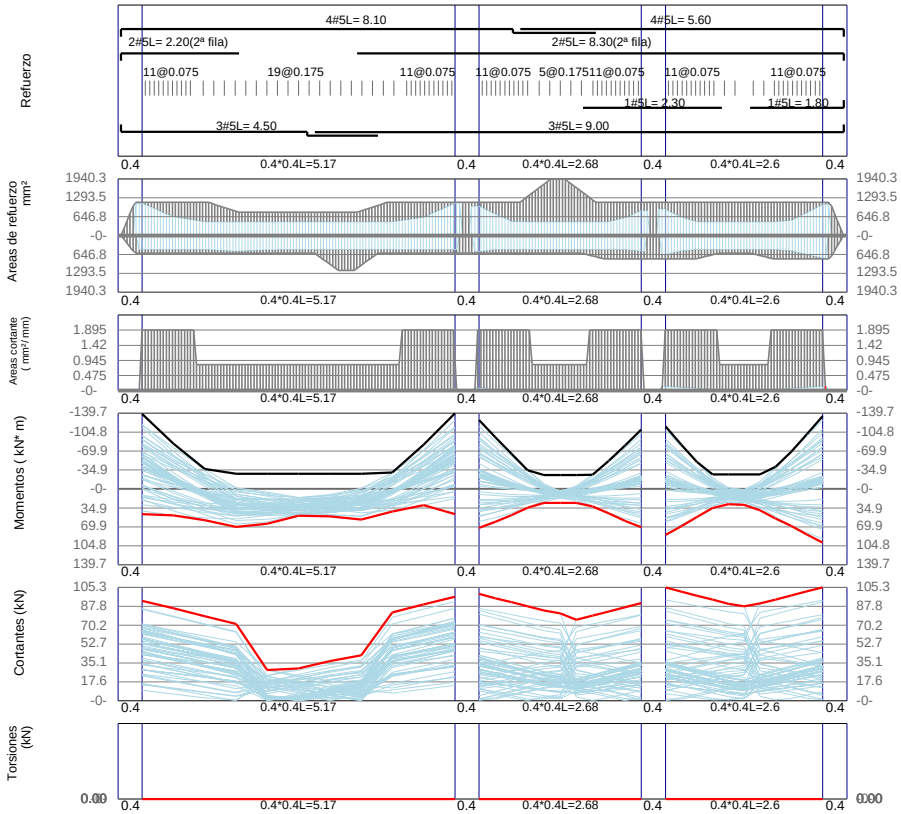
V117 / 4F



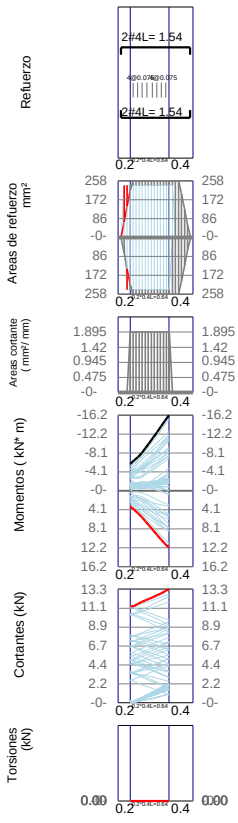
V118 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V118 / 4F



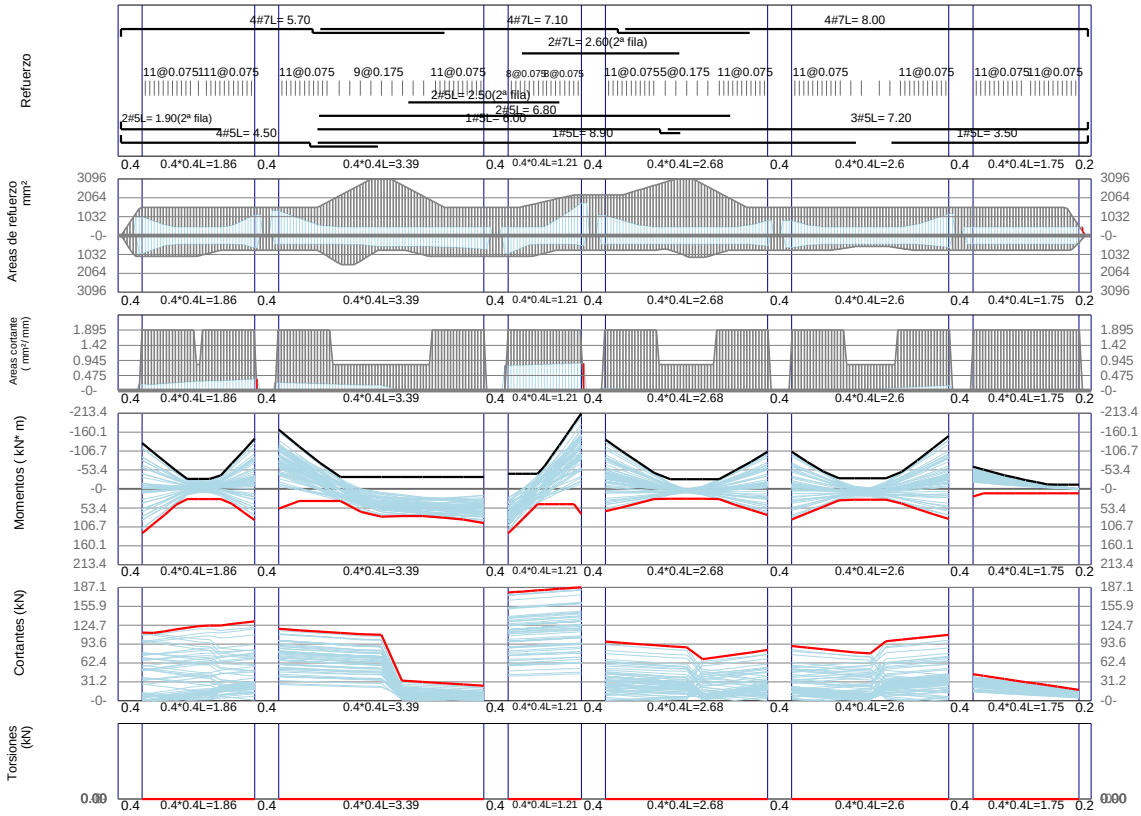
V119 / 4F



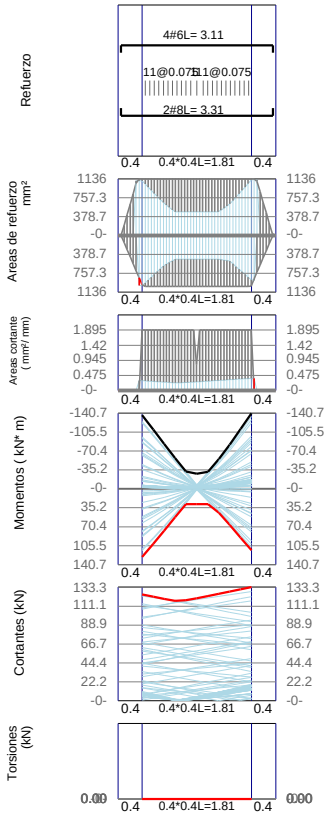
V120 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V120 / 4F



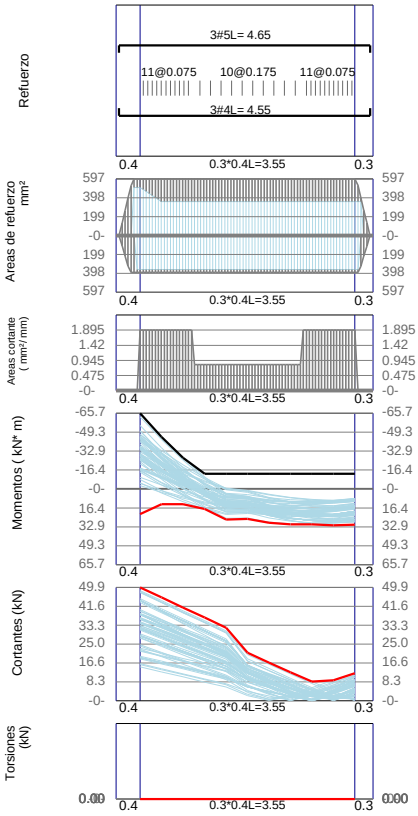
V121 / 4F



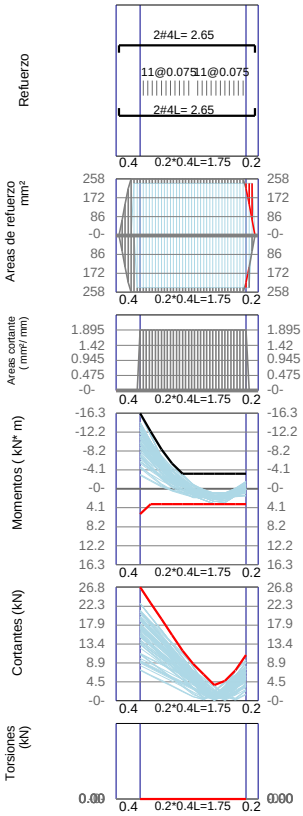
V122 / 4F

Nombre Principal			
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Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V122 / 4F



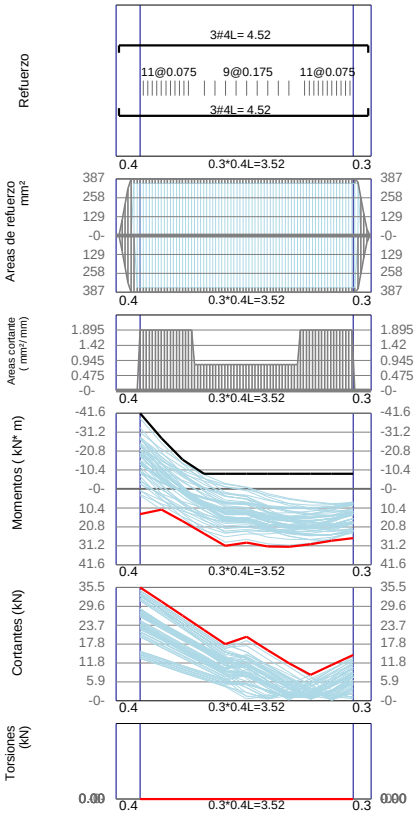
V123 / 4F



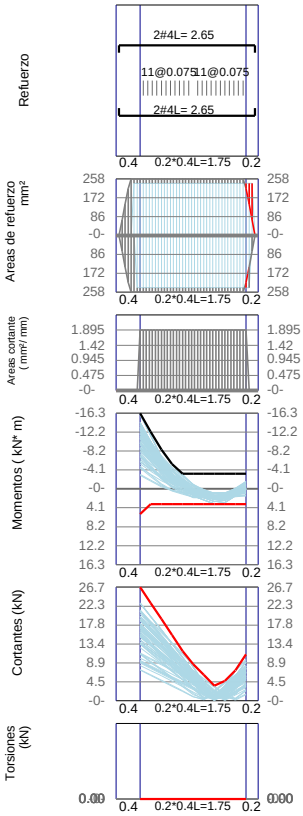
V124 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V124 / 4F



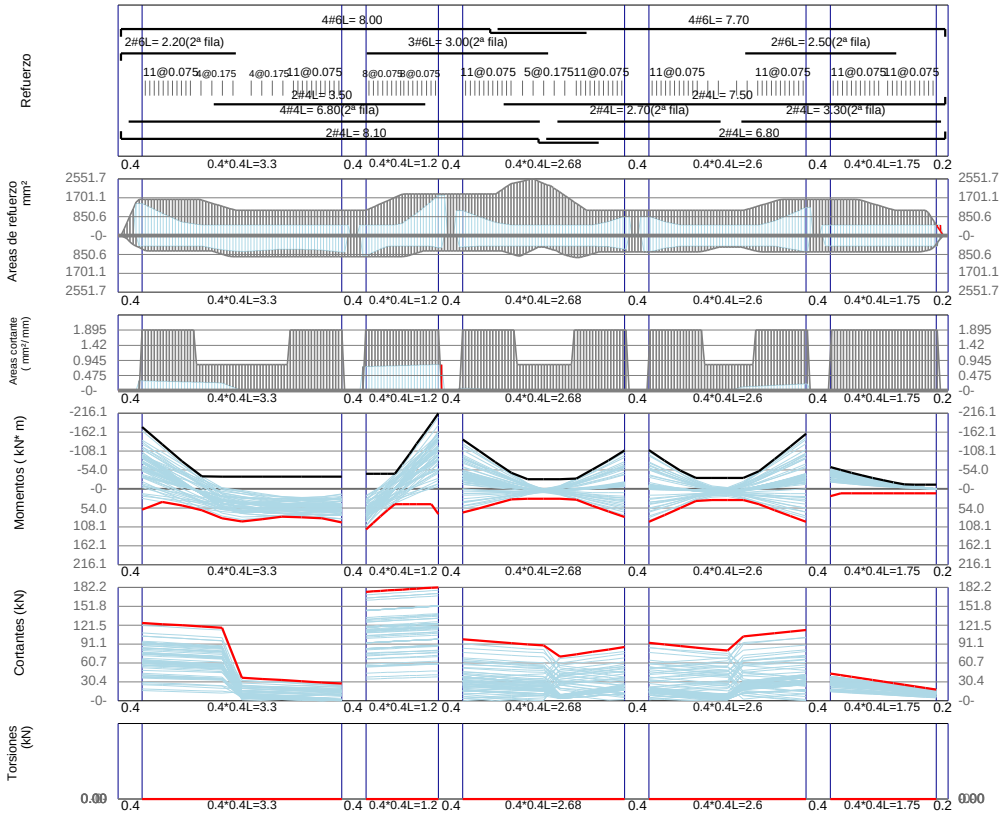
V125 / 4F



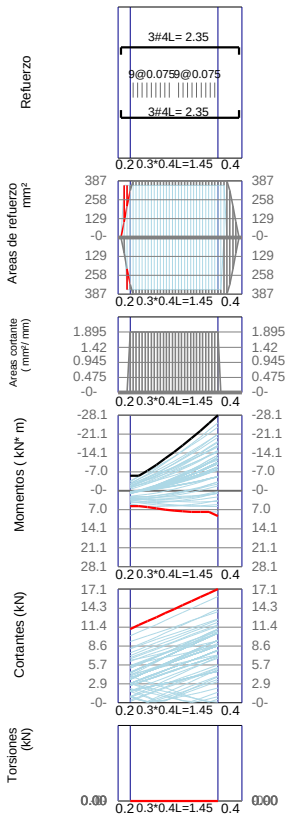
V126 / 4F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V126 / 4F



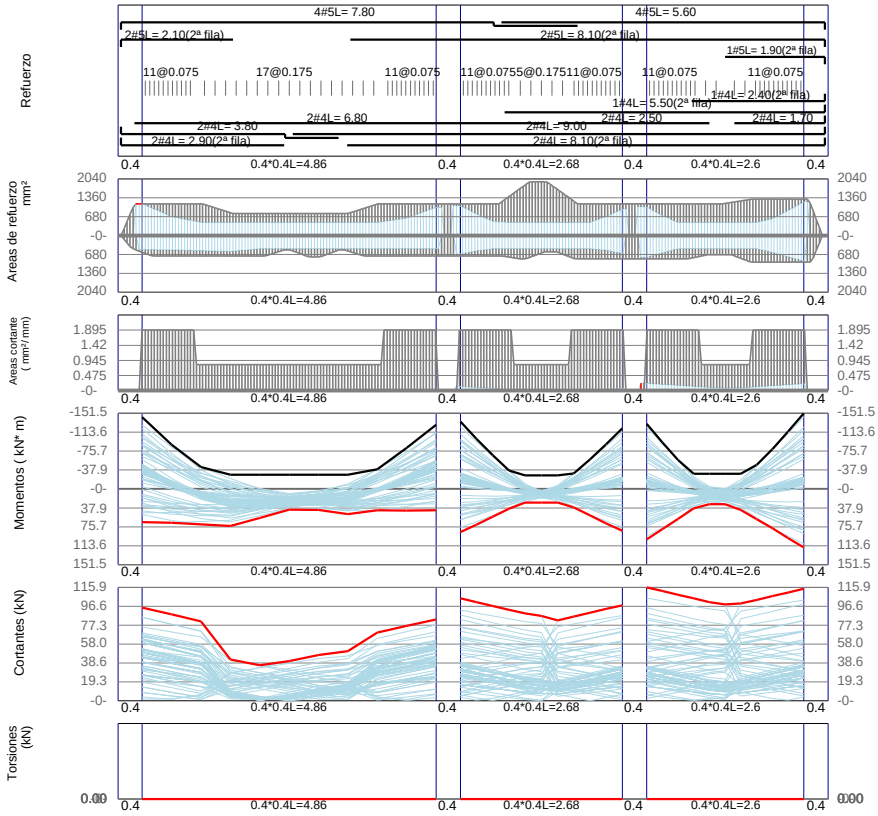
V127 / 4F



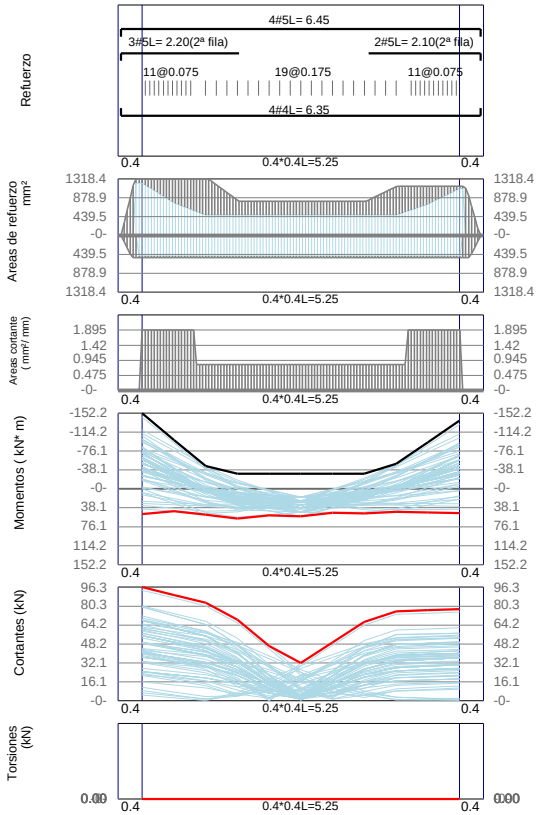
V128 / 4F

Nombre Principal			
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Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V128 / 4F



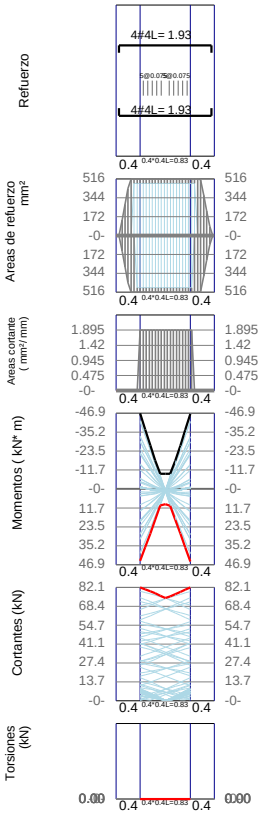
VE201 / 5F



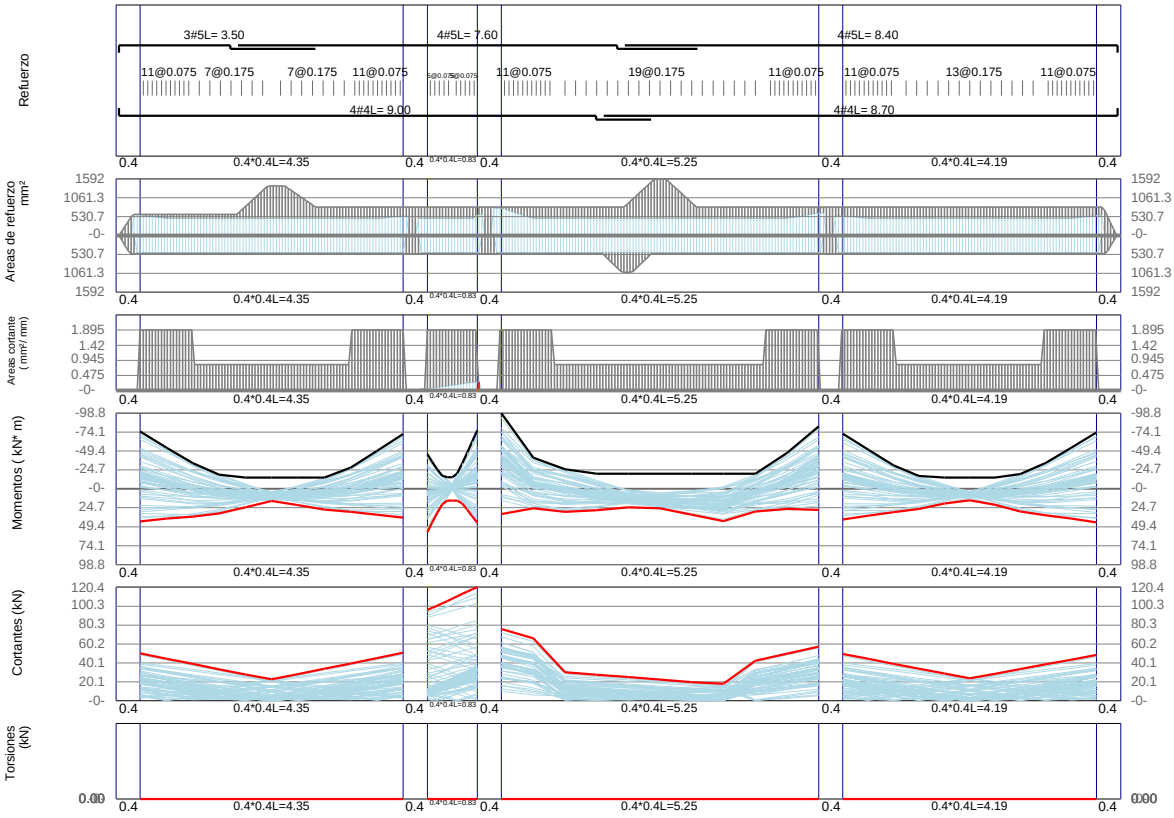
V201 / 6F

Nombre Principal			
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Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V201 / 6F



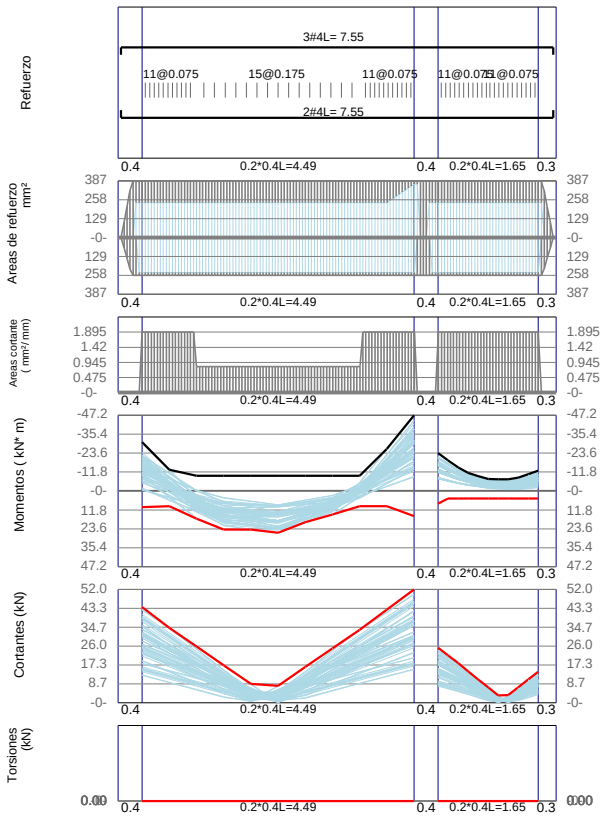
V202 / 6F



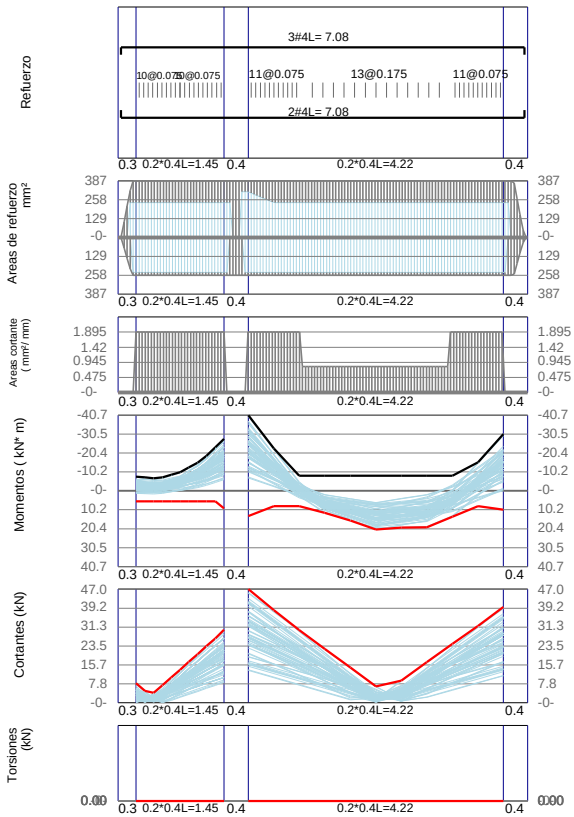
V203 / 6F

Nombre Principal			
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Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V203 / 6F



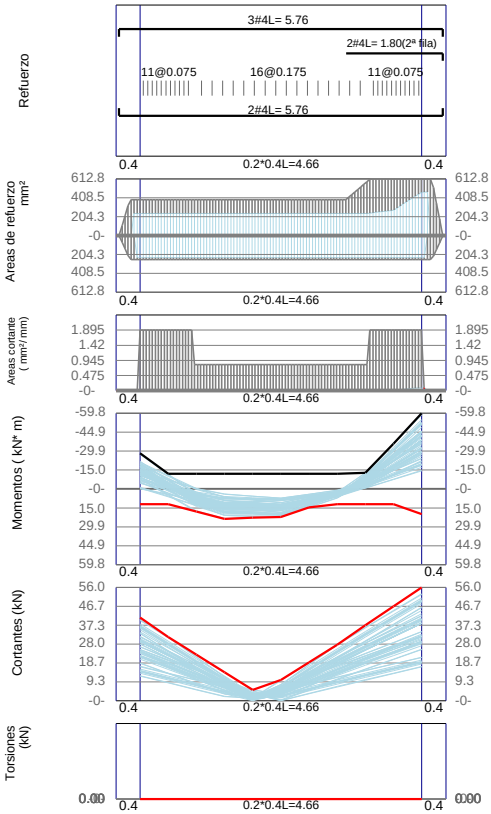
V204 / 6F



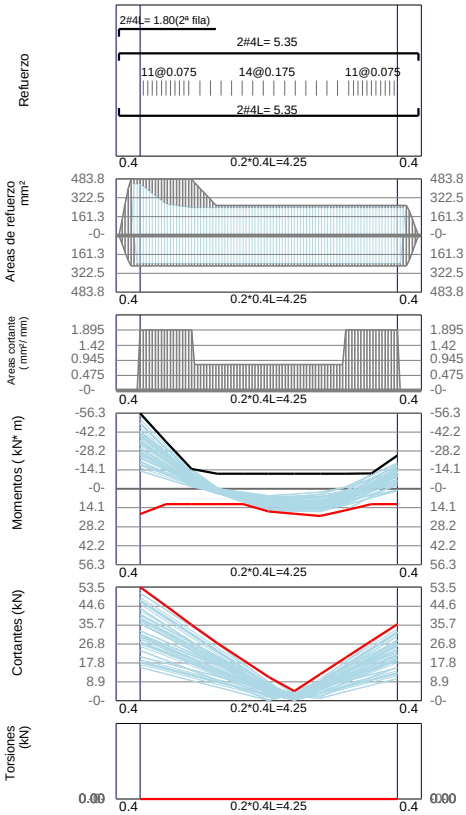
V205 / 6F

Nombre Principal			
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Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V205 / 6F



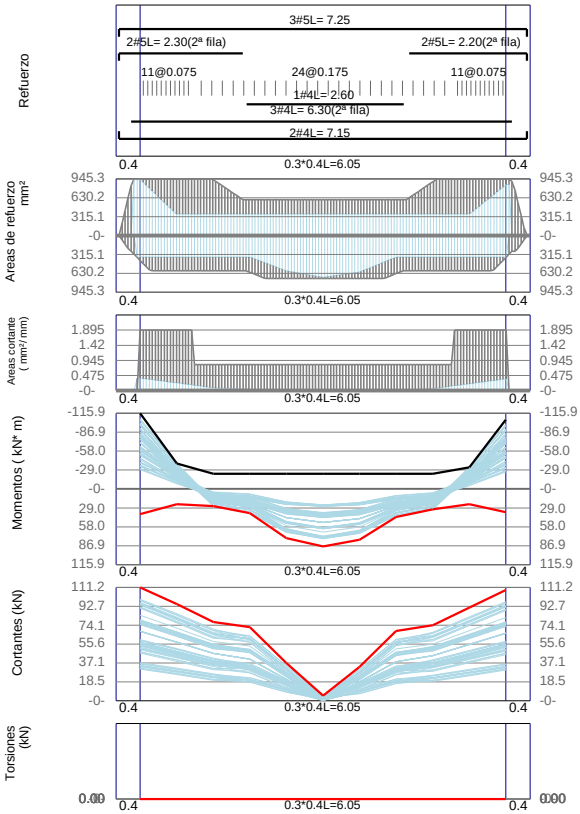
V206 / 6F



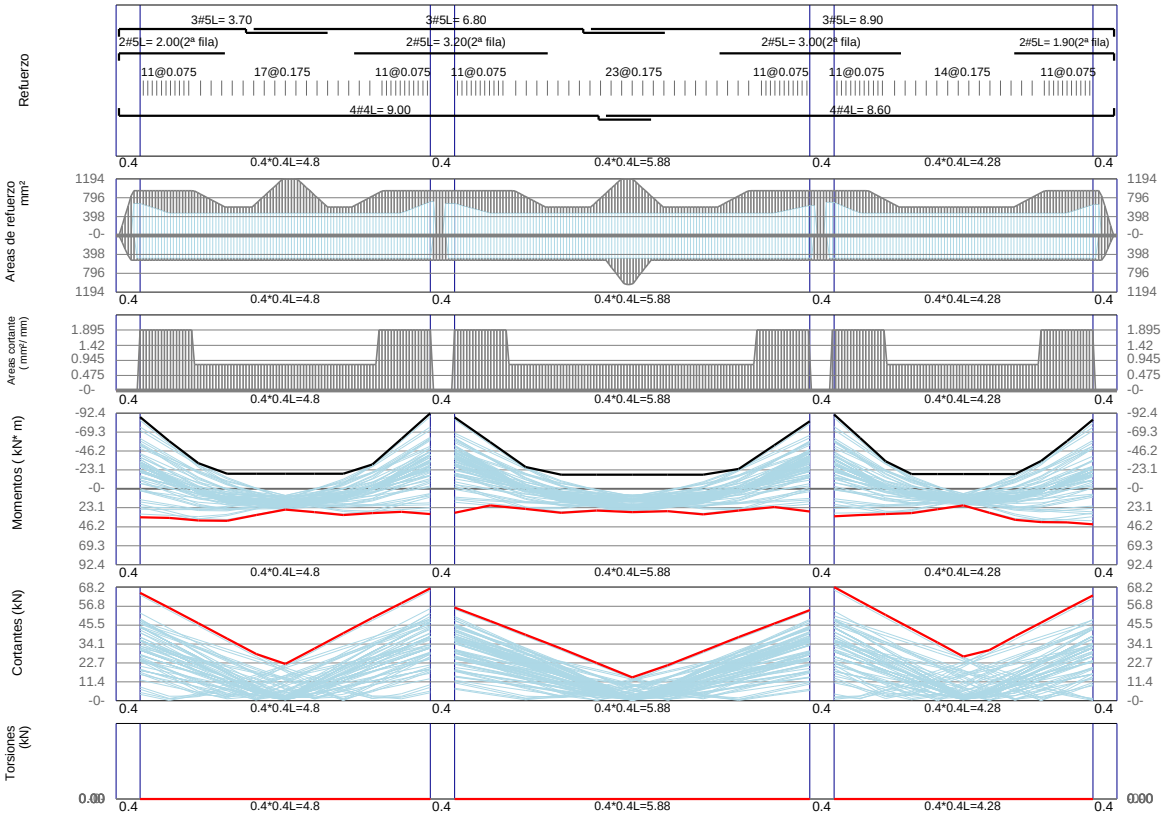
V207 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V207 / 6F



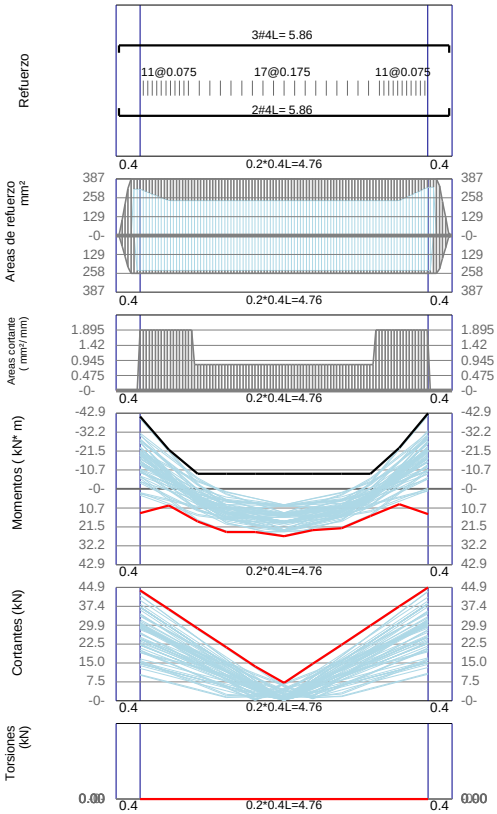
V208 / 6F



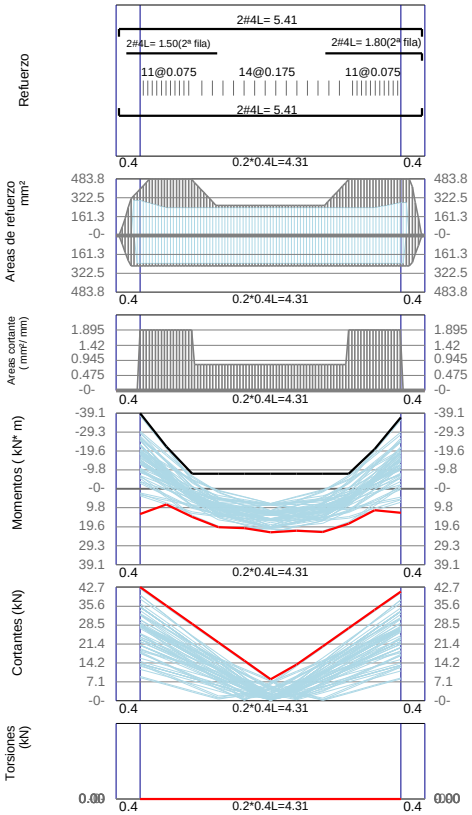
V209 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V209 / 6F



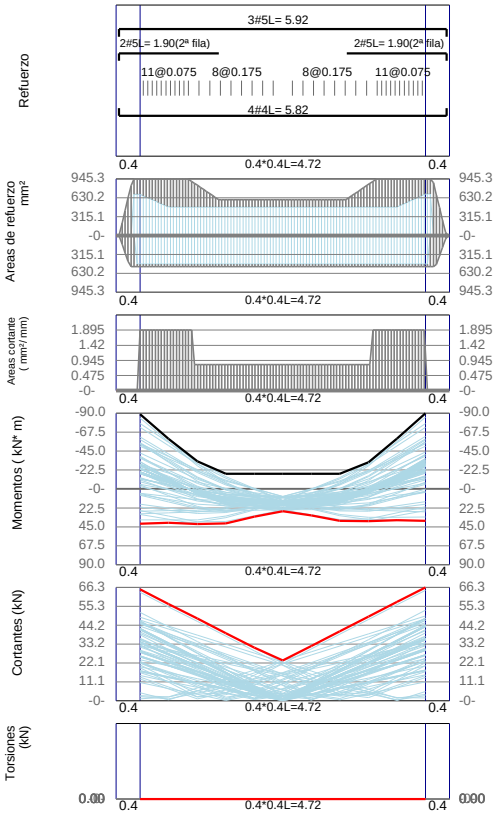
V210 / 6F



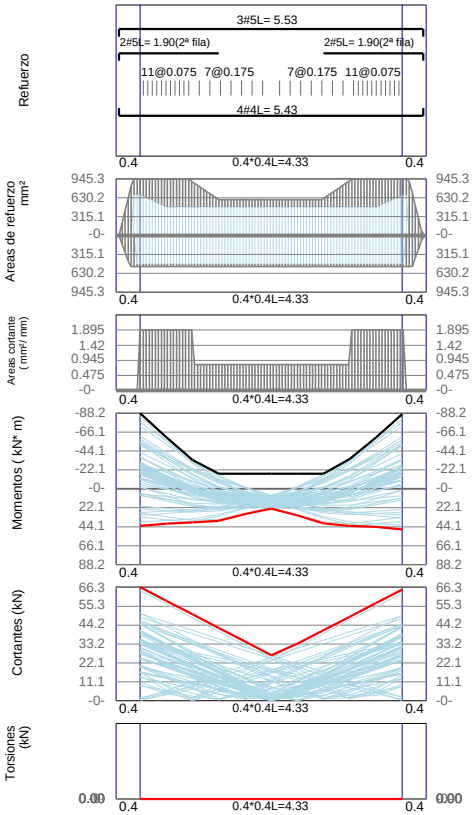
V211 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V211 / 6F



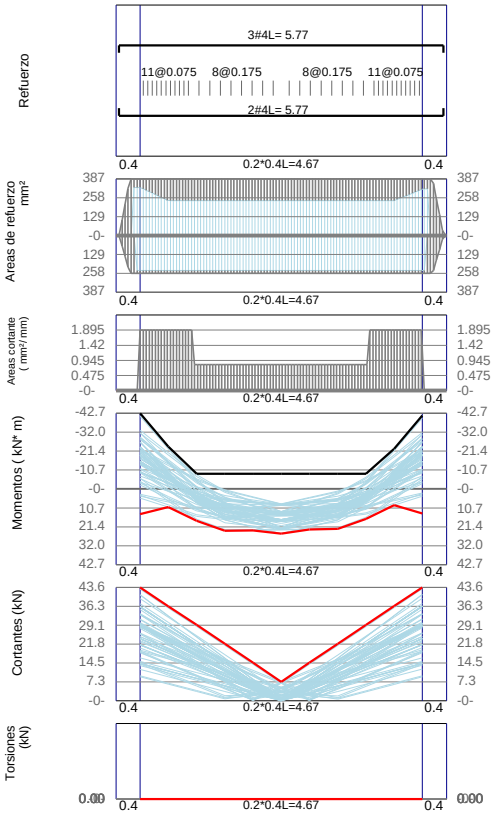
V212 / 6F



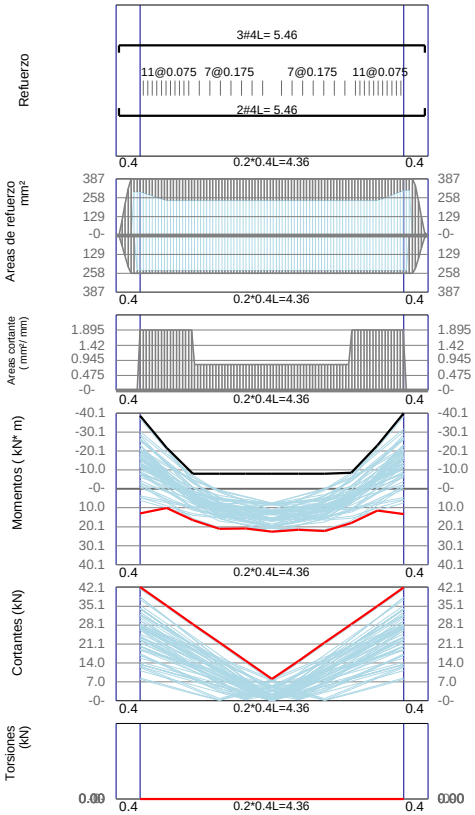
V213 / 6F

Nombre Principal			
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Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V213 / 6F



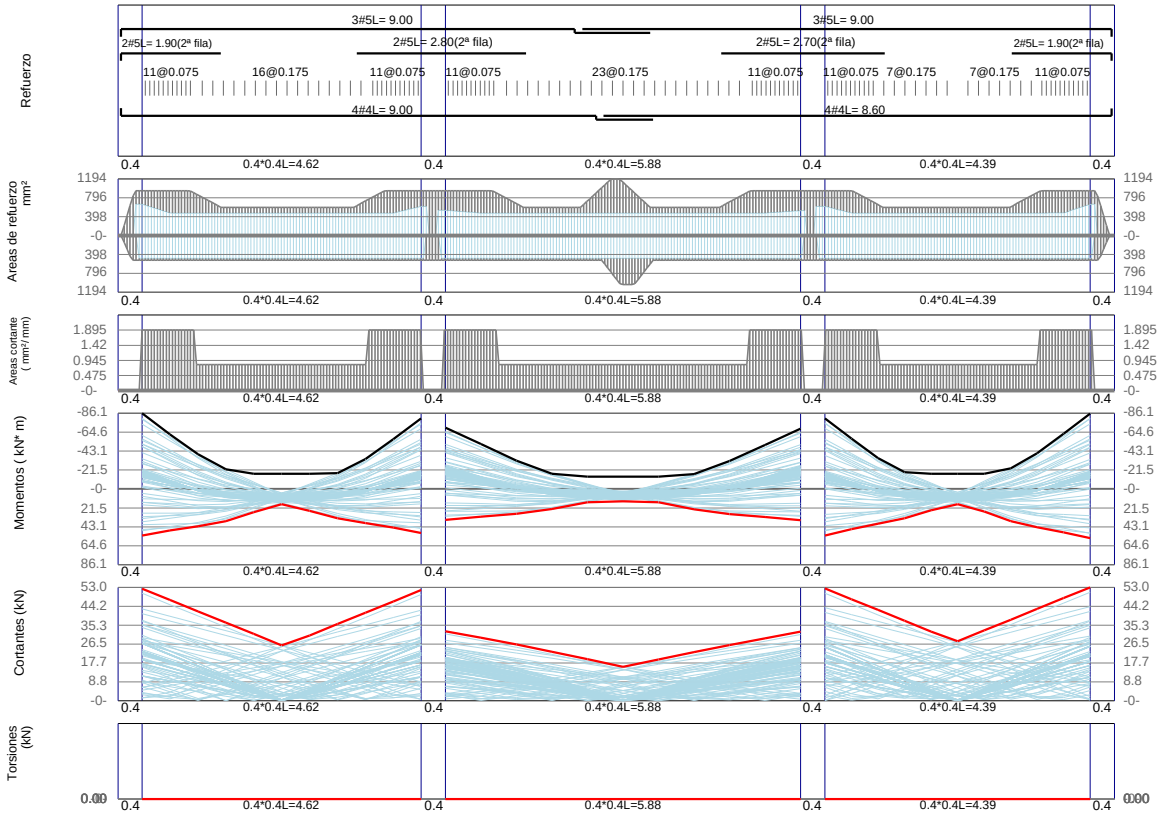
V214 / 6F



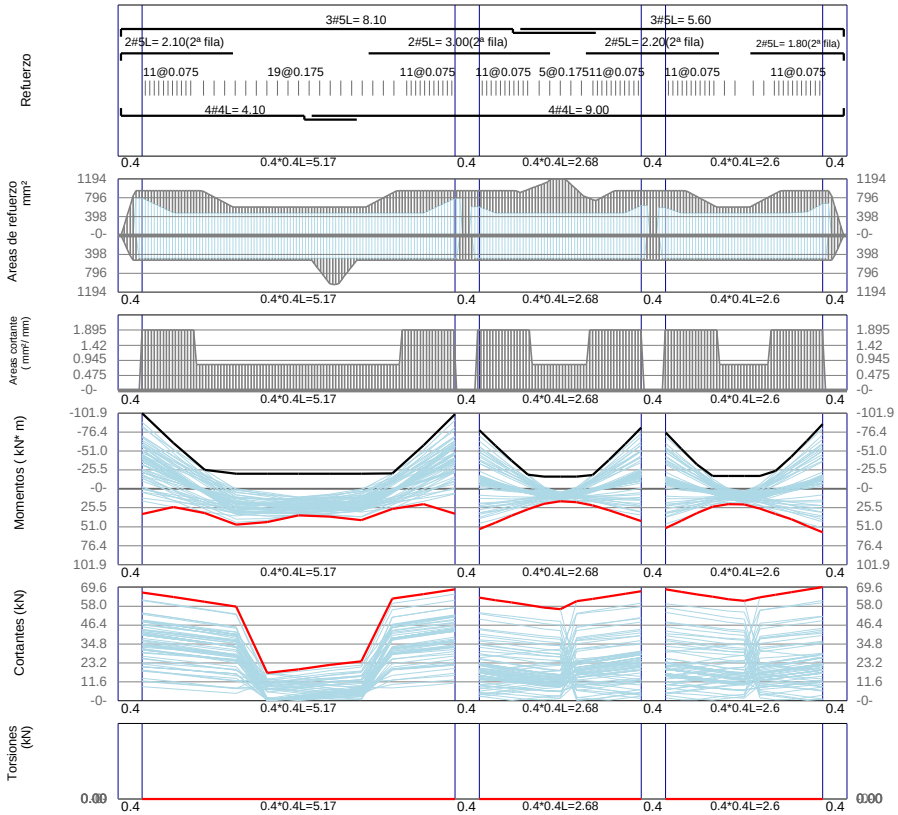
V215 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V215 / 6F



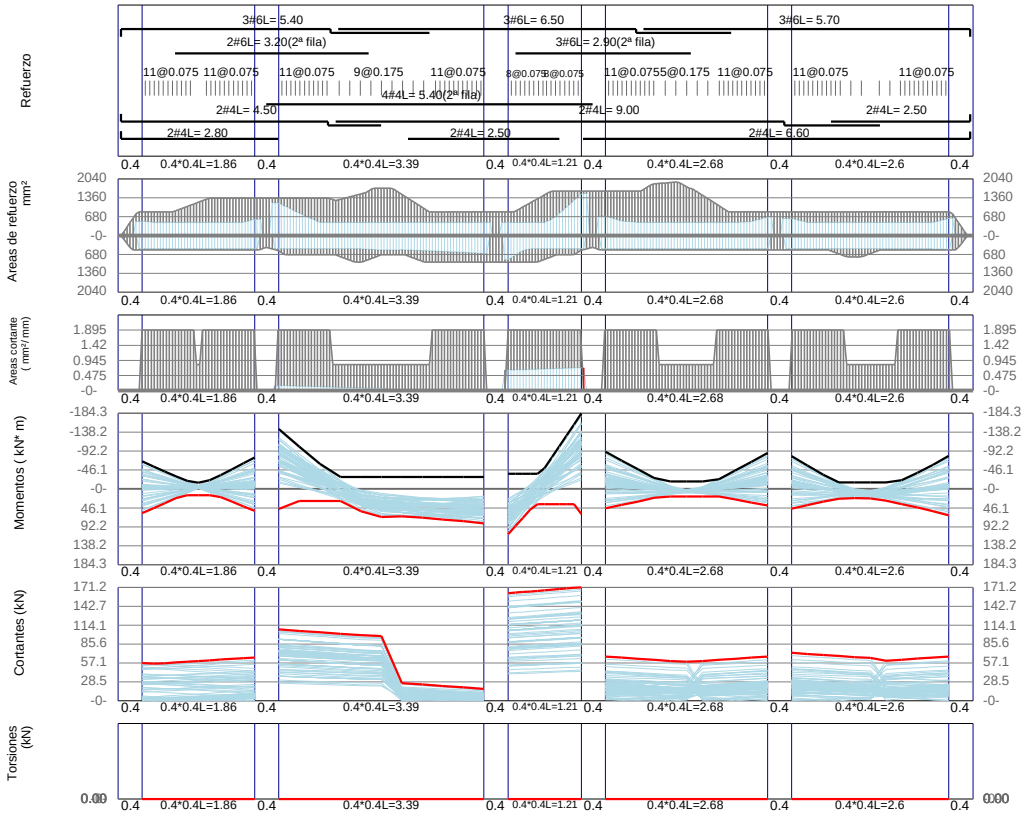
V216 / 6F



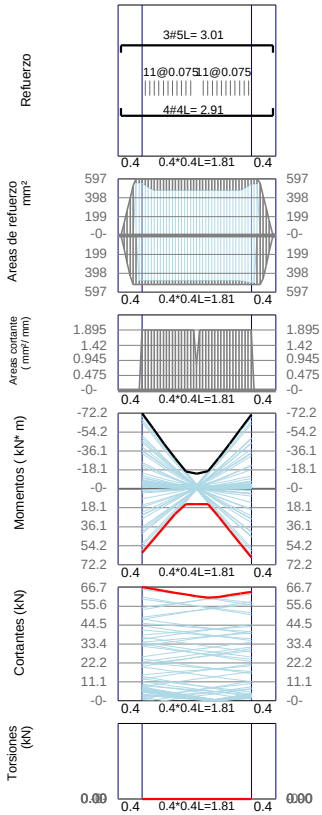
V217 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V217 / 6F



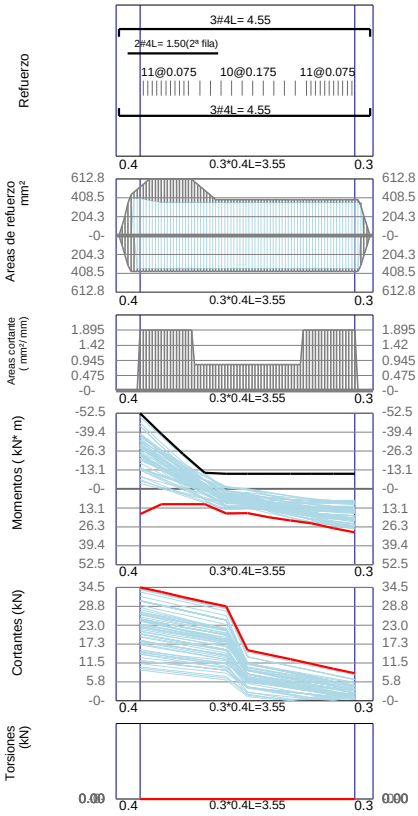
V218 / 6F



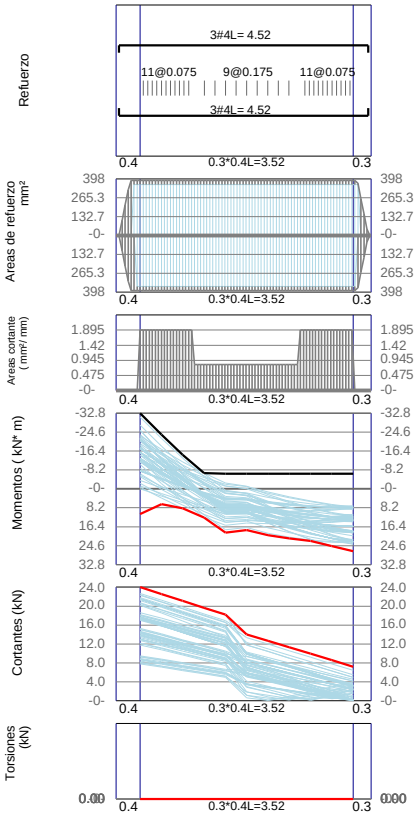
V219 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V219 / 6F



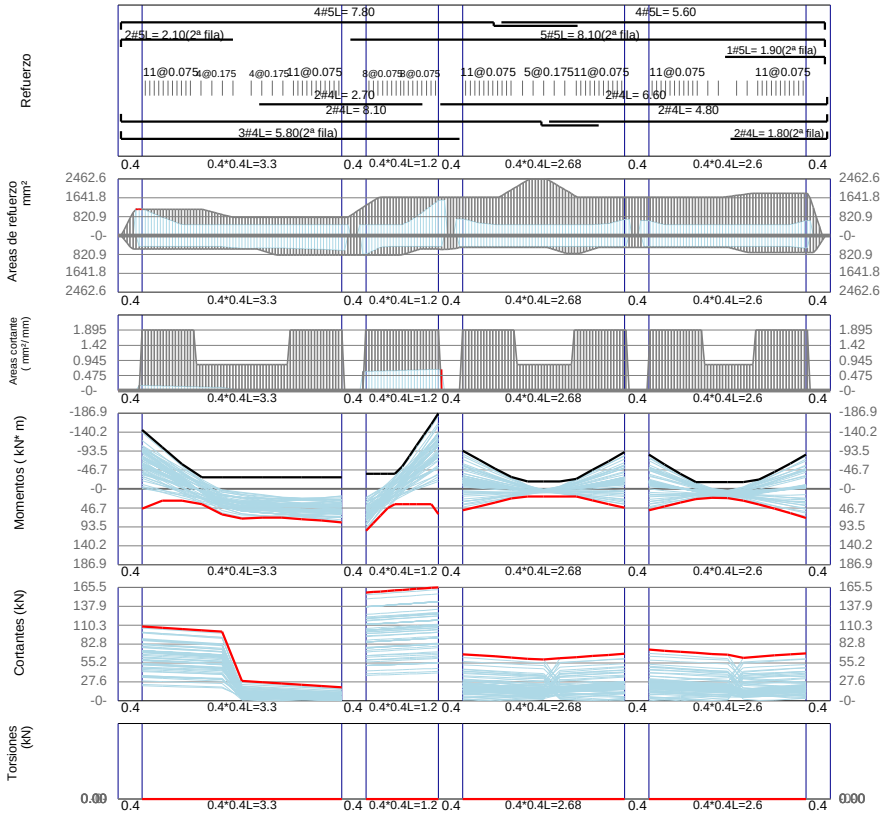
V220 / 6F



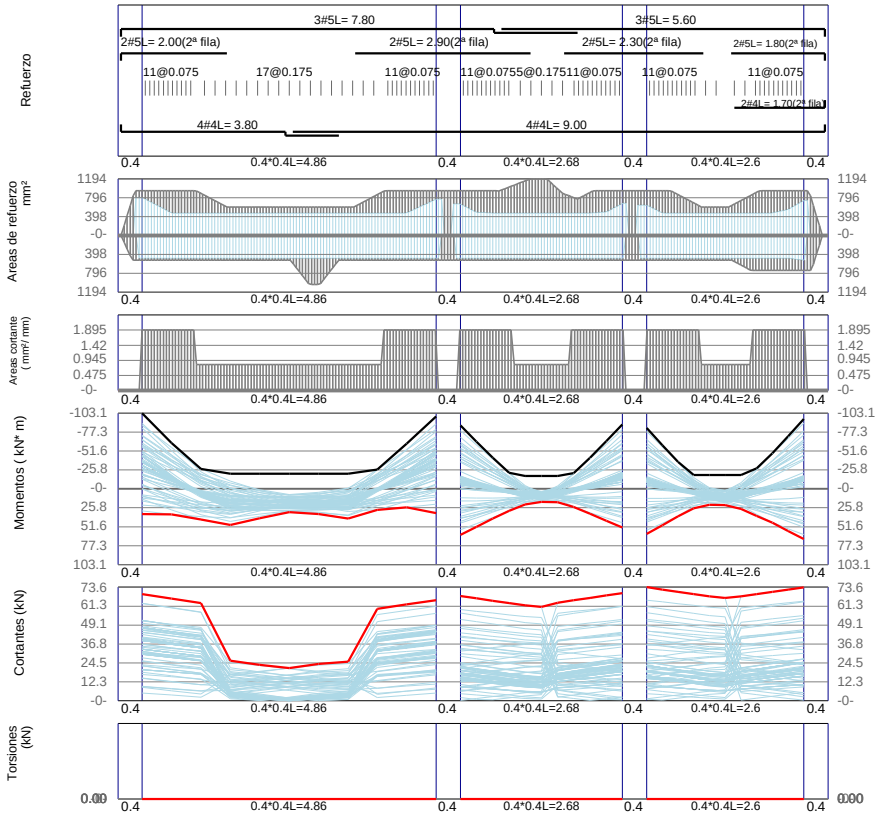
V221 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V221 / 6F



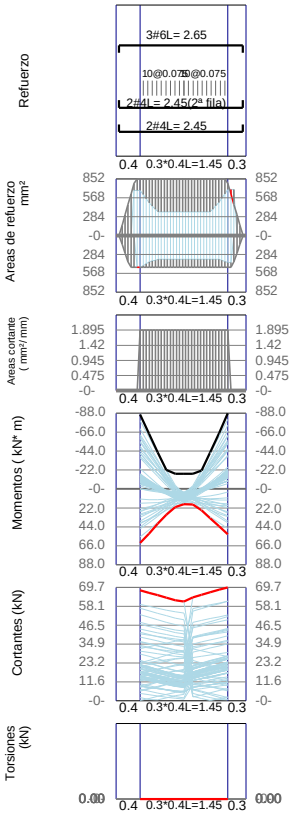
V222 / 6F



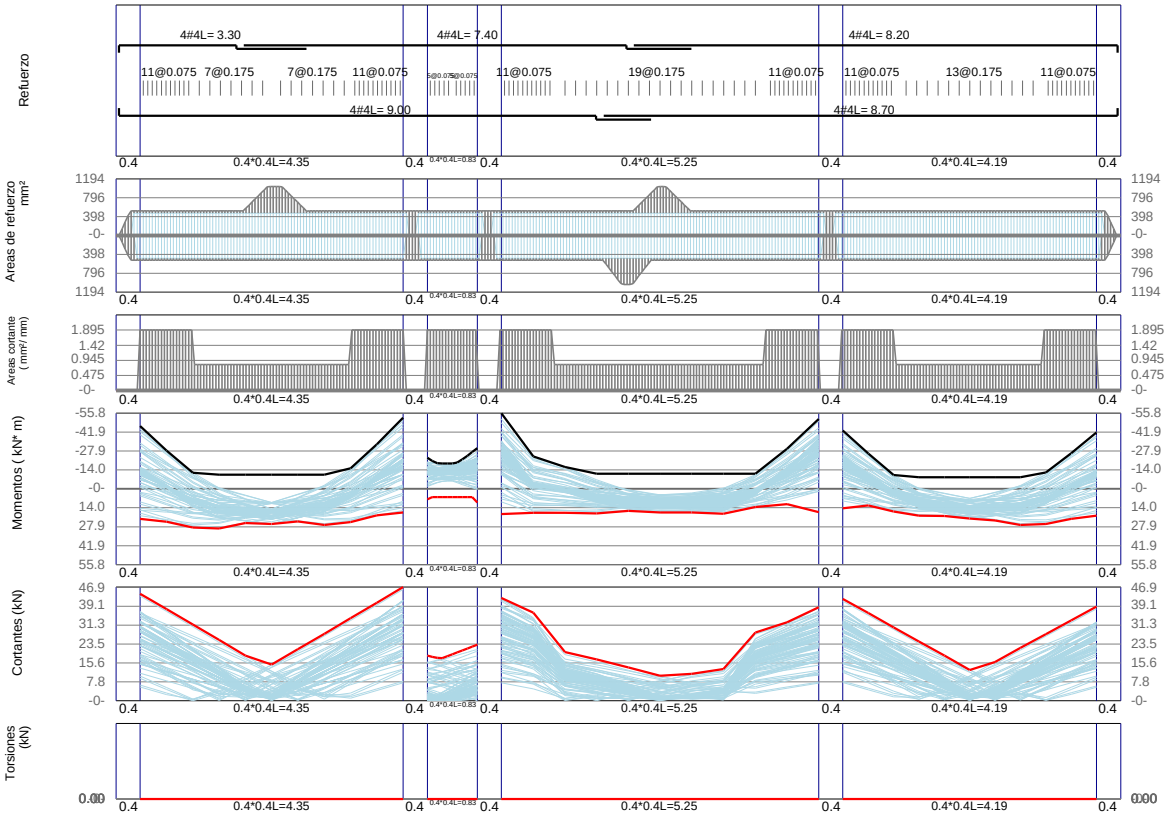
V223 / 6F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V223 / 6F



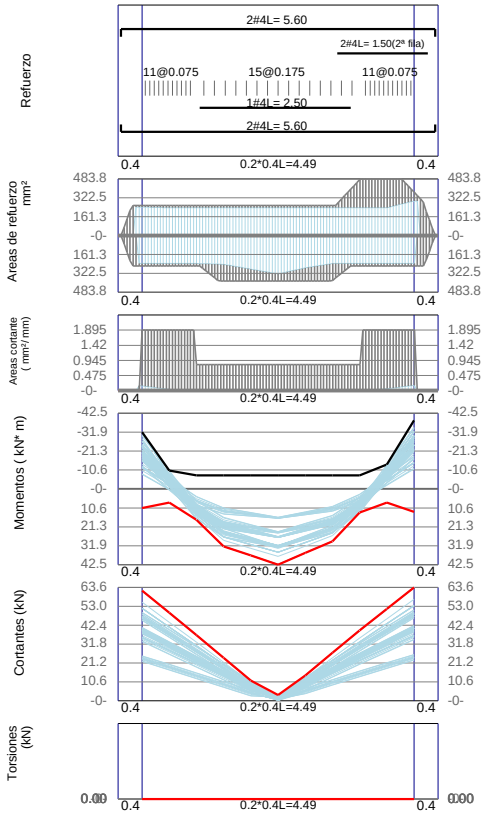
V301 / Roof



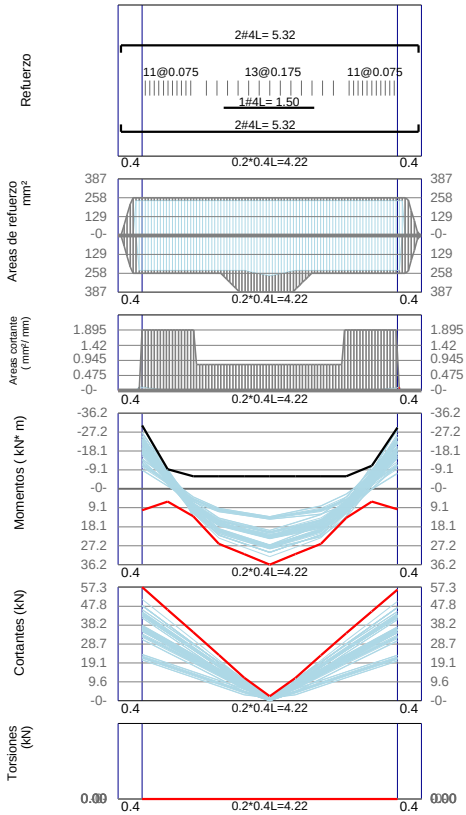
V302 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V302 / Roof



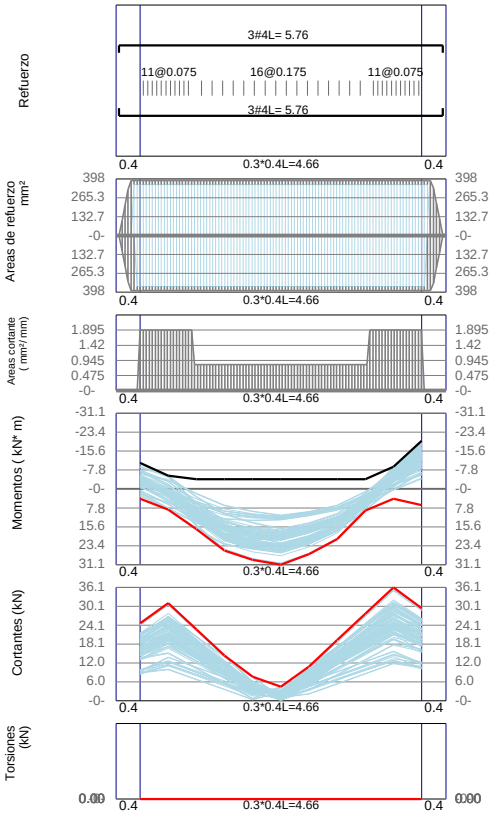
V303 / Roof



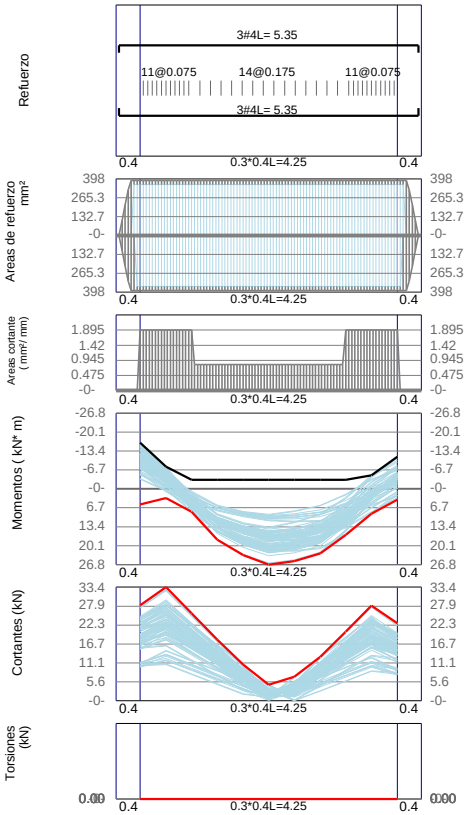
V304 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V304 / Roof



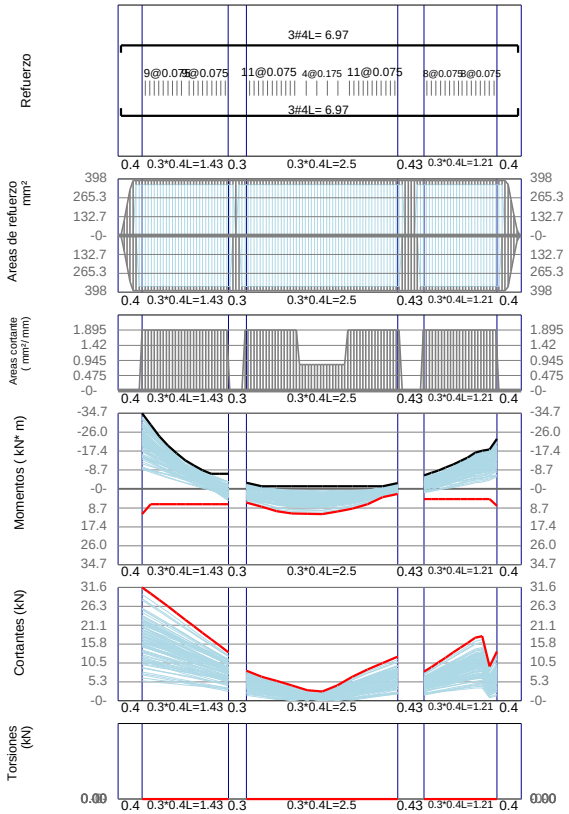
V305 / Roof



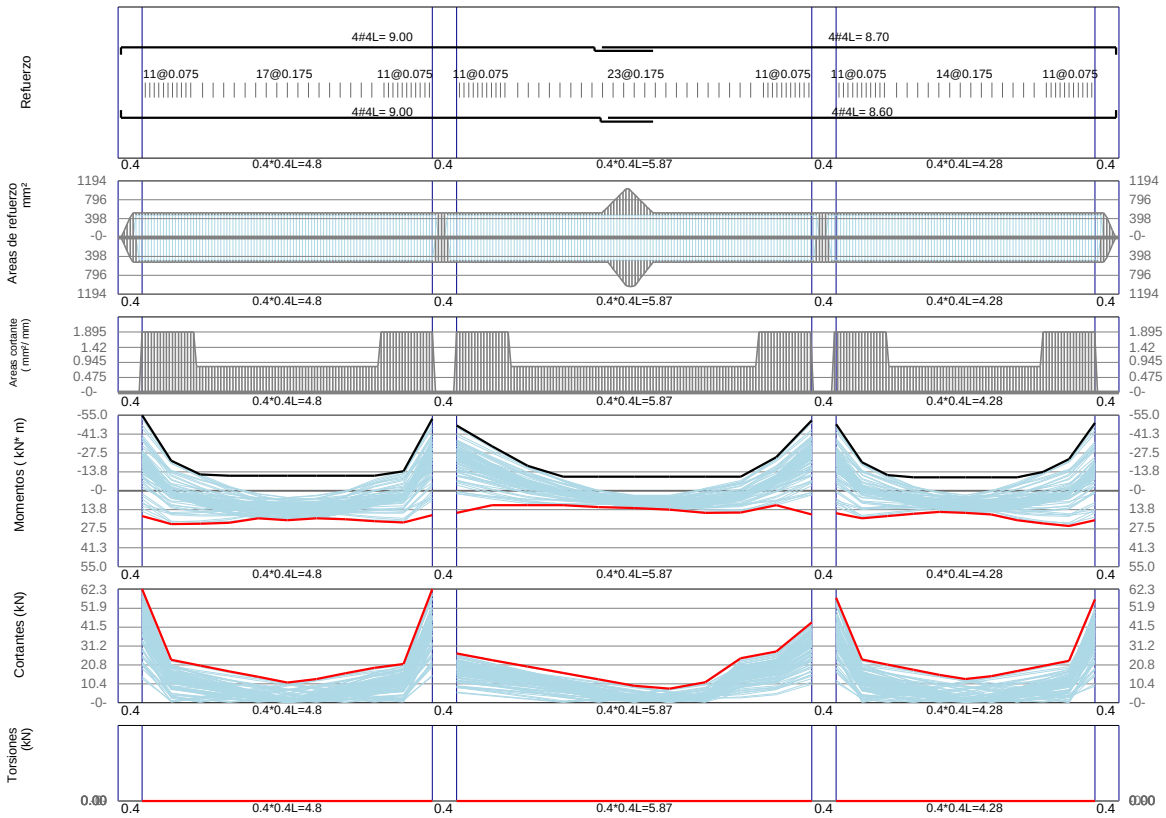
V306 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V306 / Roof



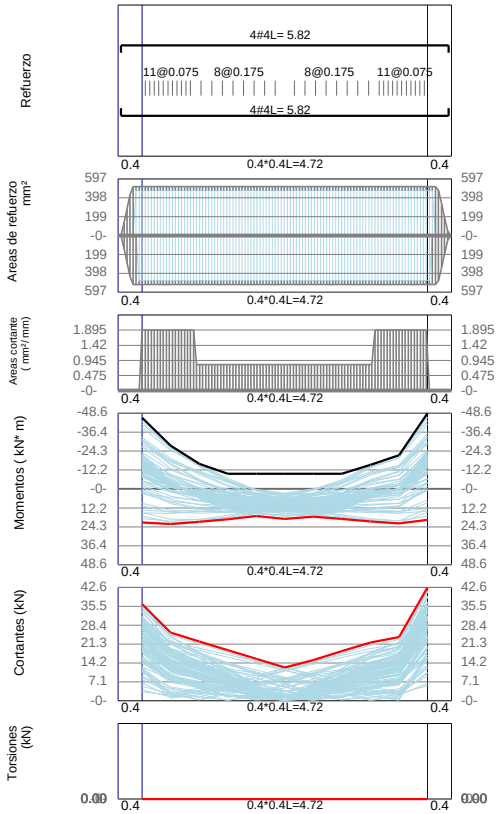
V307 / Roof



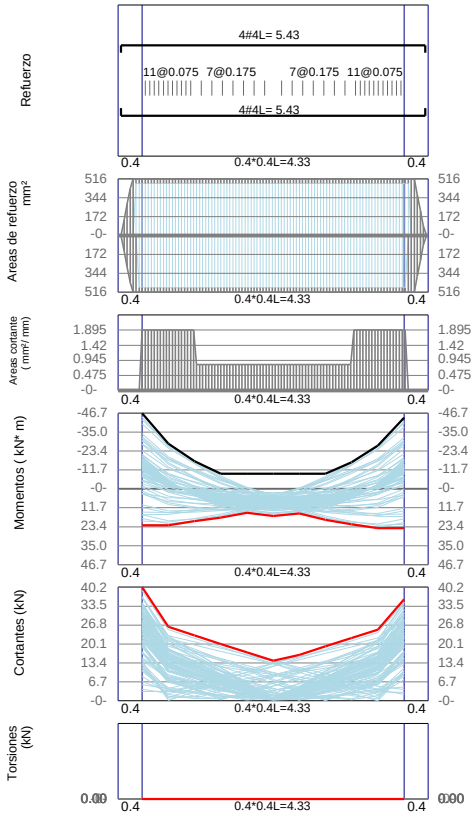
V308 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V308 / Roof



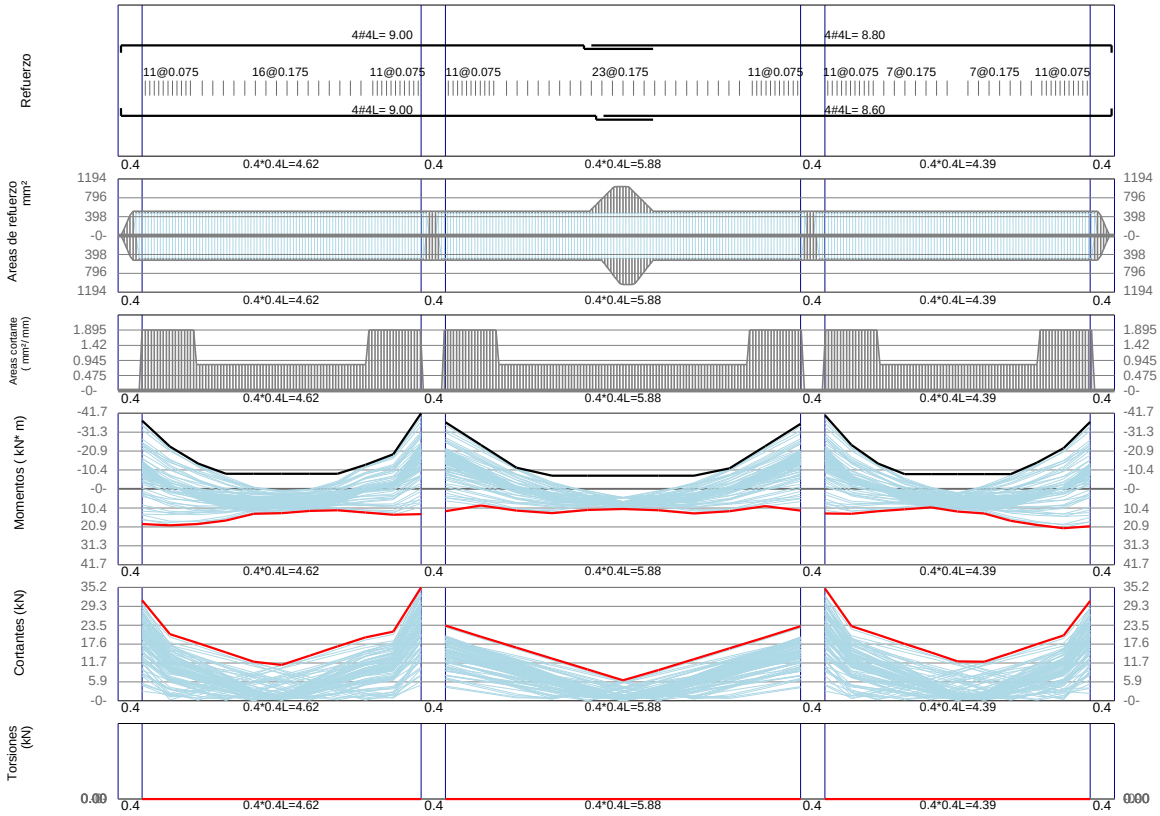
V309 / Roof



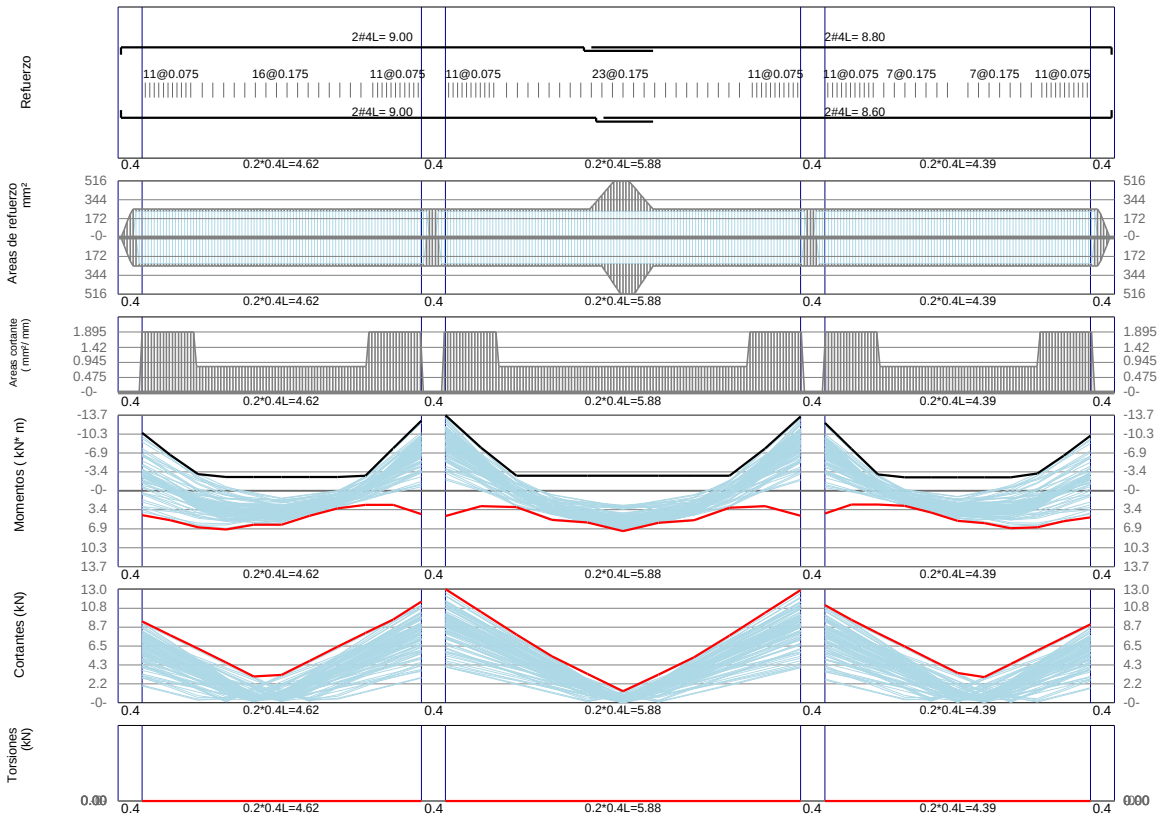
V310 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V310 / Roof



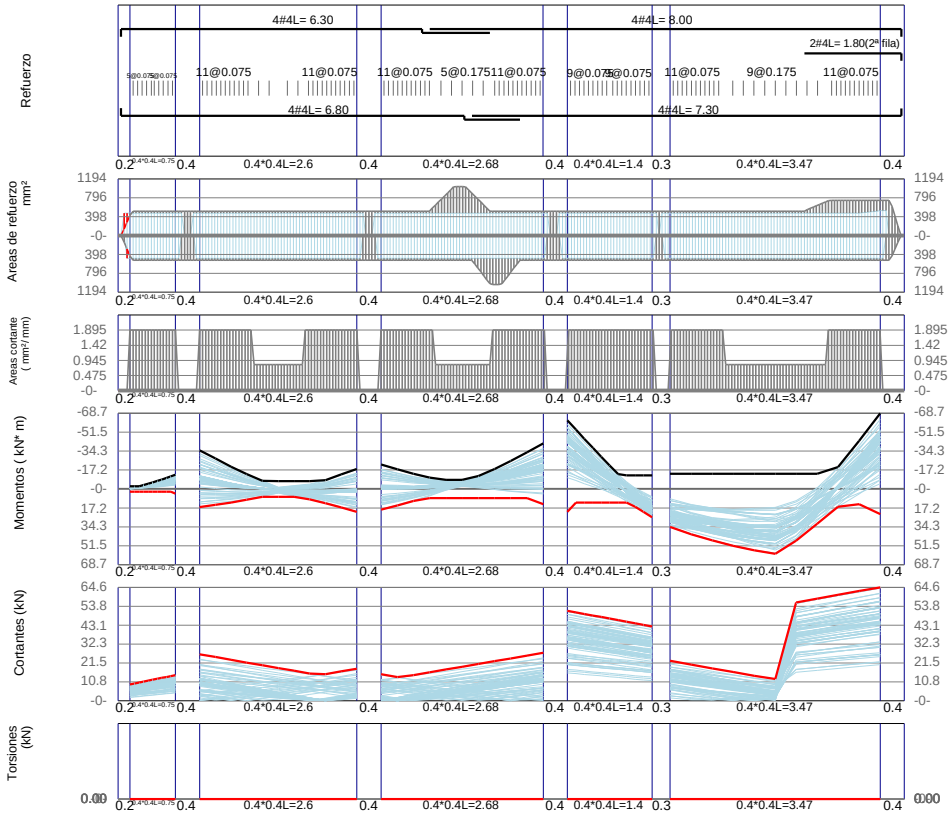
V311 / Roof



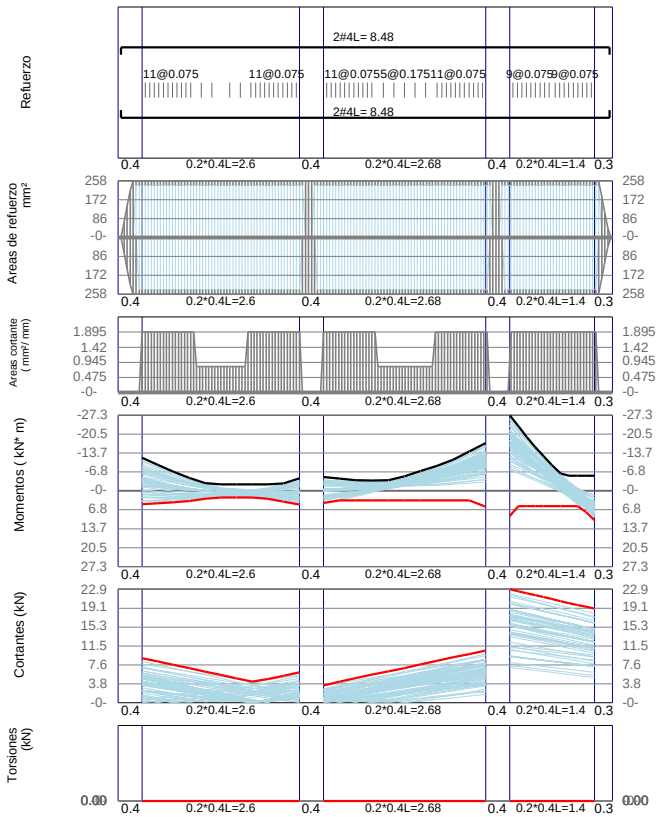
V312 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V312 / Roof



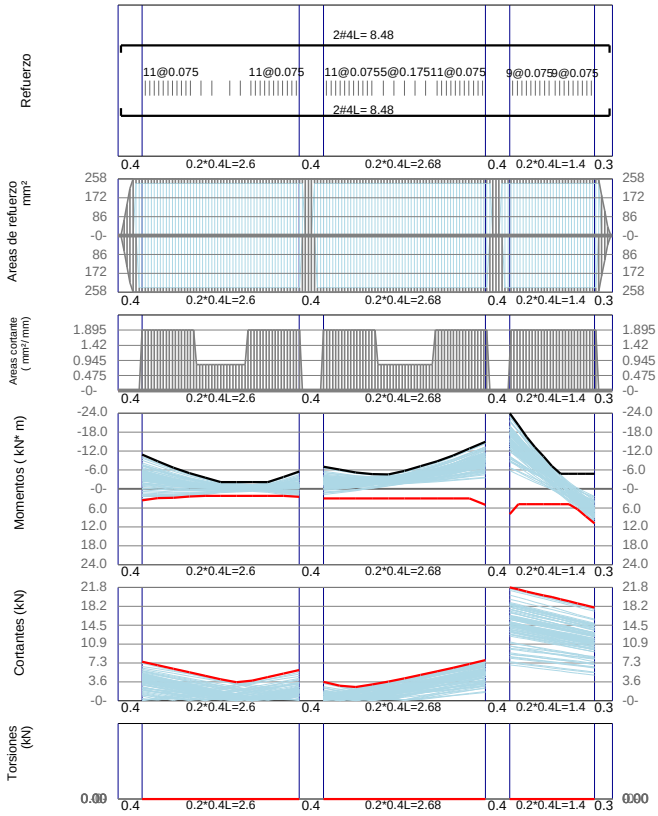
V313 / Roof



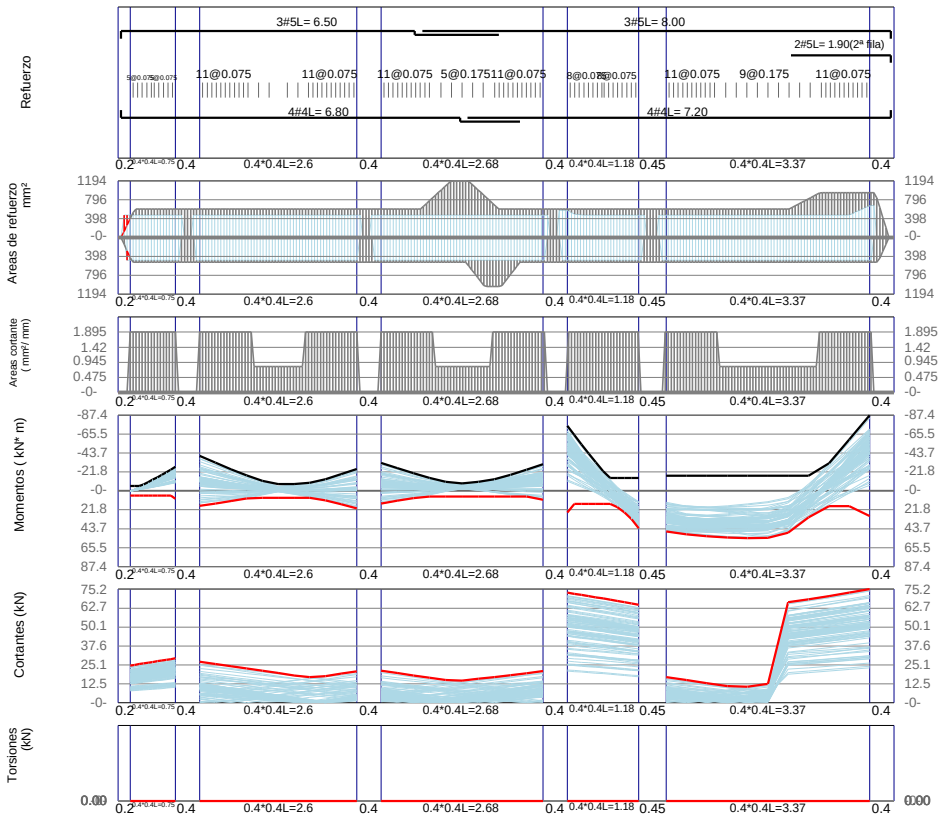
V314 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V314 / Roof



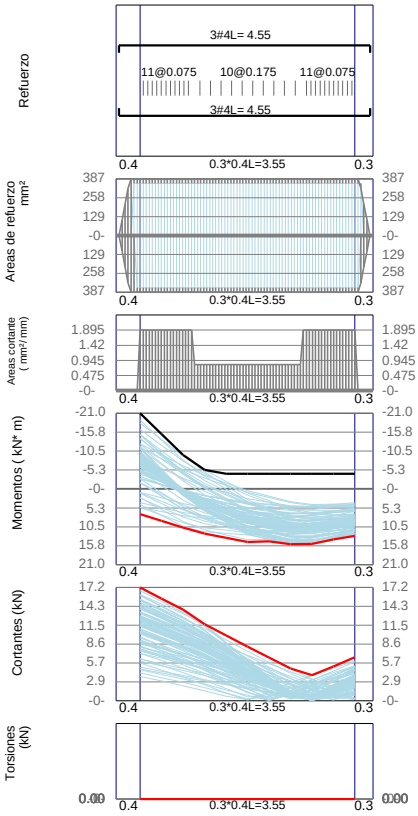
V315 / Roof



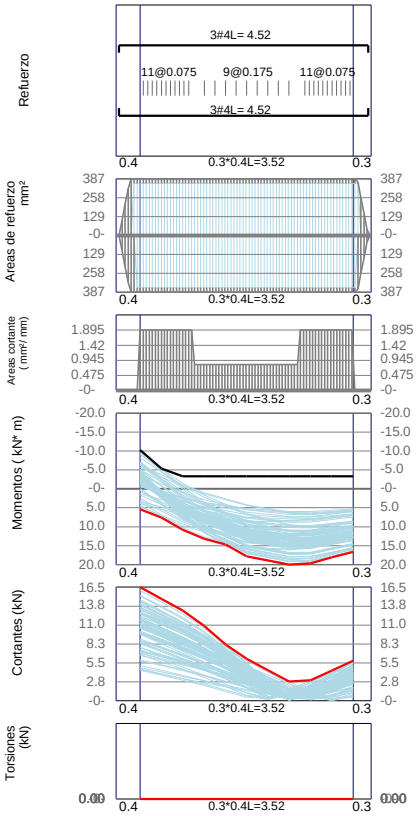
V316 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V316 / Roof



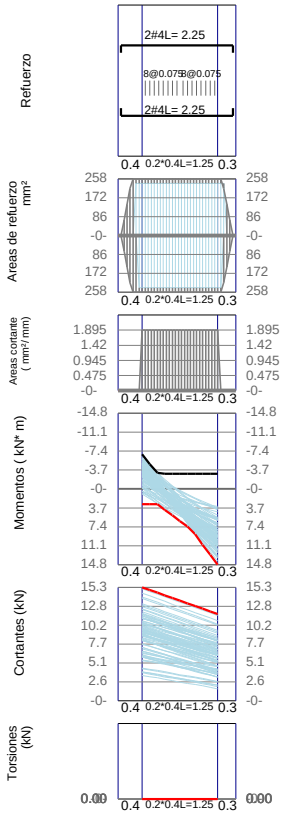
V317 / Roof



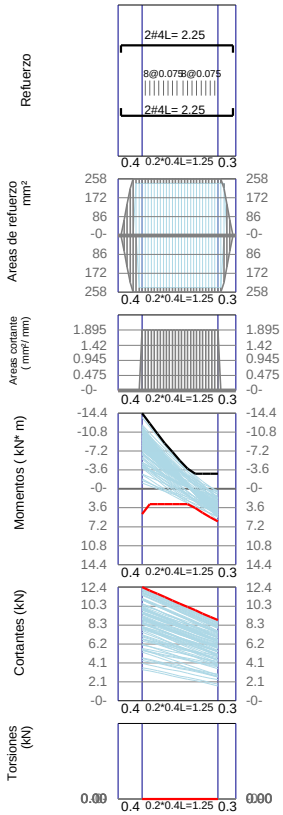
V318 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V318 / Roof



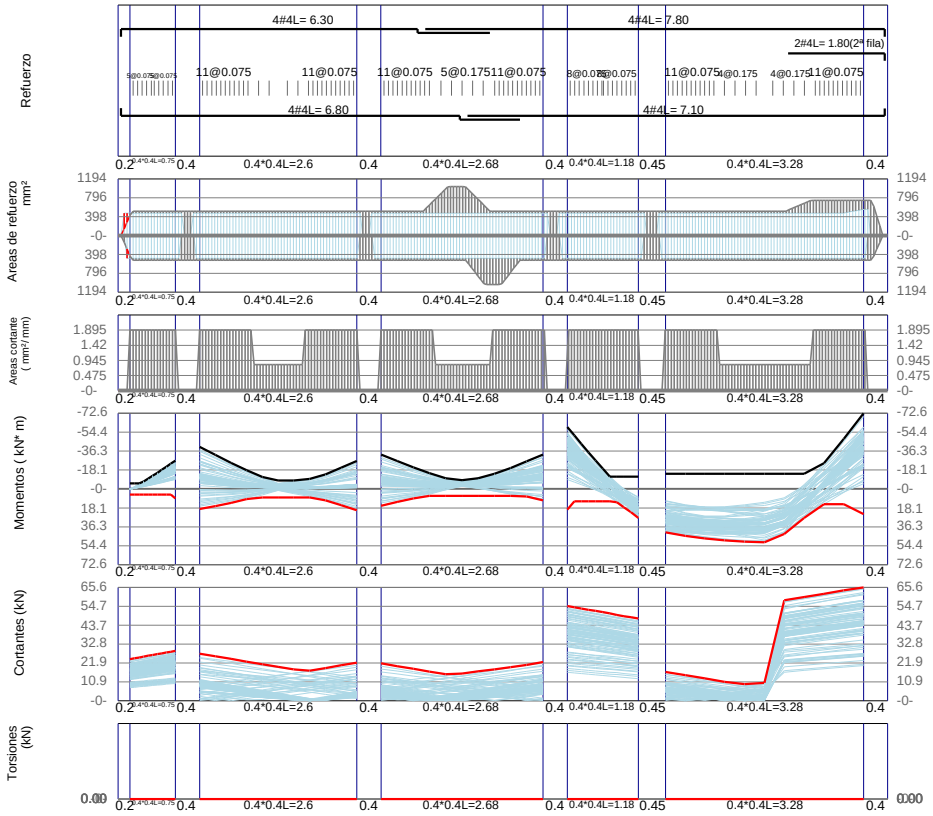
V319 / Roof



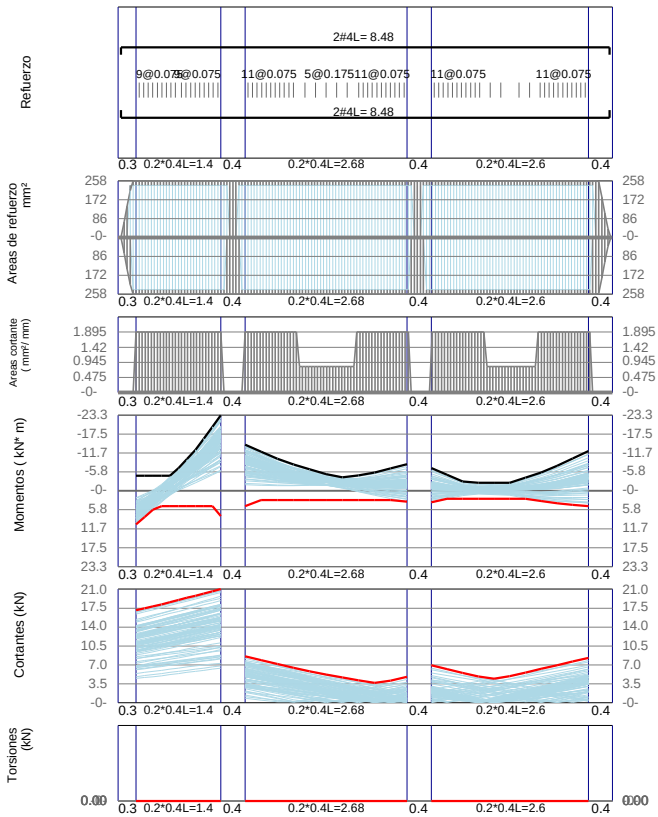
V320 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V320 / Roof



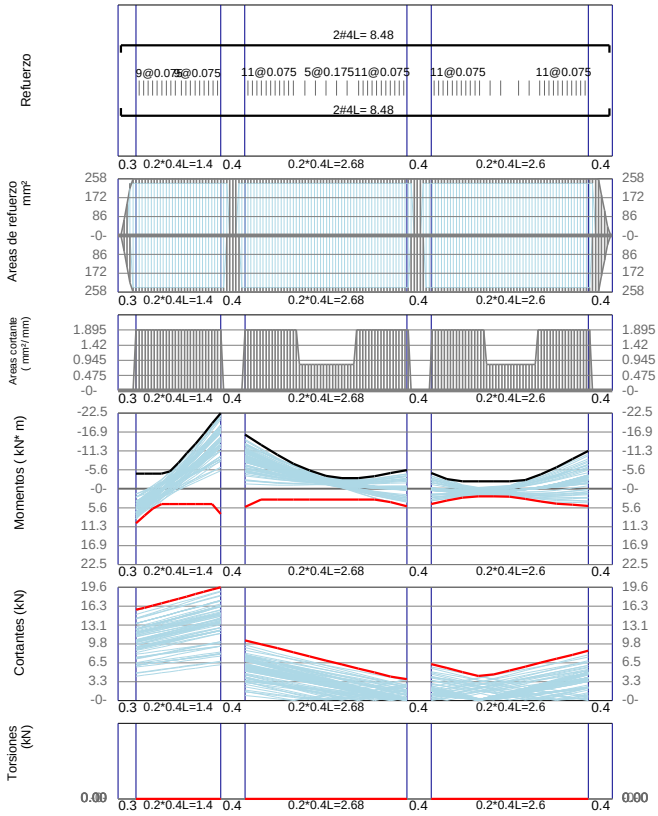
V321 / Roof



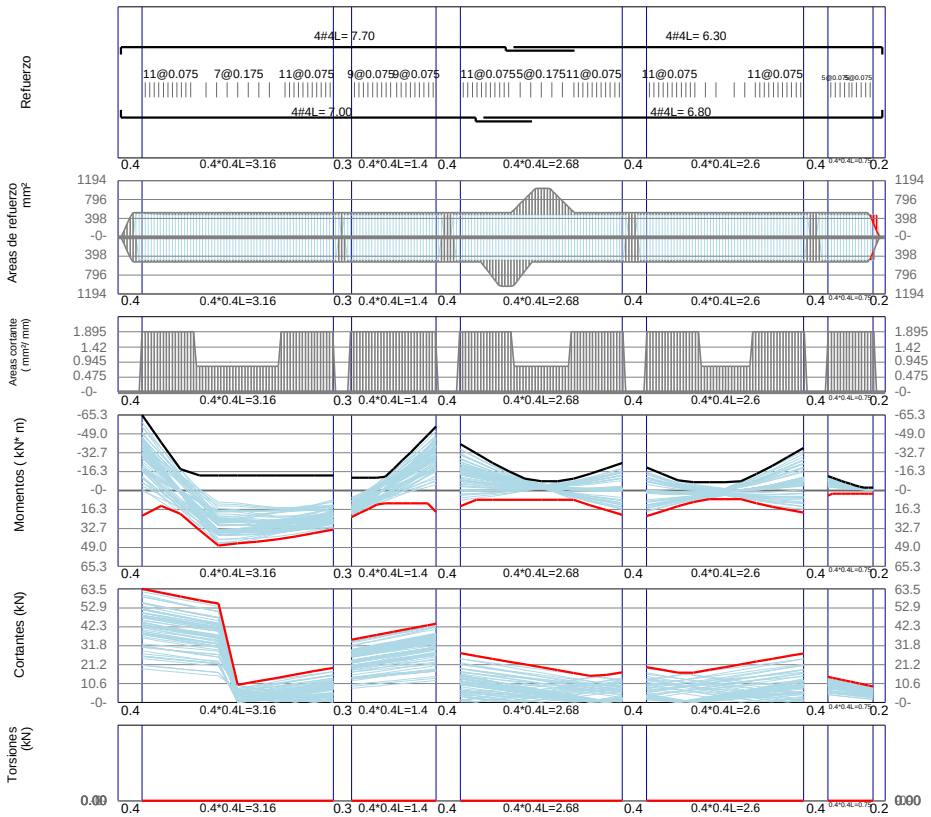
V322 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V322 / Roof



V323 / Roof



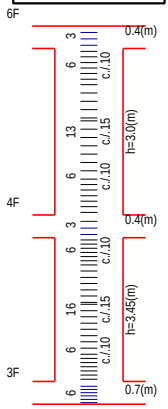
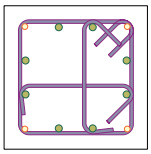
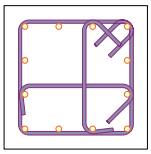
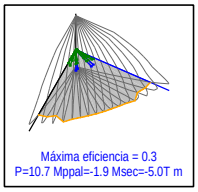
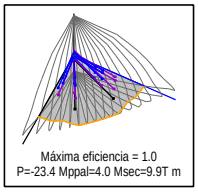
B. ANEXO 2. COLUMNAS BLOQUE A

JUAN CARLOS CORTES CORTES
INGENIERO CIVIL
ESPECIALISTA EN ESTRUCTURAS
MS. CONSTRUCCIÓN (EC)
UNIVERSIDAD NACIONAL DE COLOMBIA.
Teléfono: 3107800935
ingcortesjc@yahoo.com.ar

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

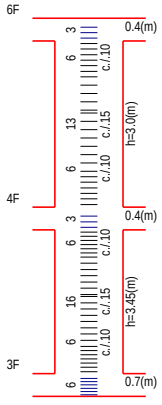
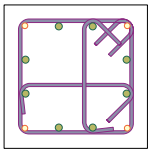
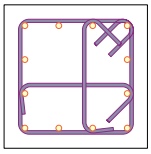
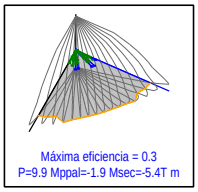
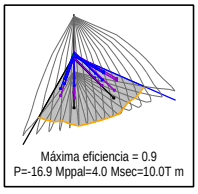
01 Norma: NSR-10 DMO

Volumen sin nudos= 1.0 m3 Peso del refuerzo= 297.0 Kg Cuantía= 287.8 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 12/#5+#6(1.92%)  B= .40H= .40 12/#5(1.49%)	V. Max Ppal=2.7Ton (cLCB26) Sec= 3.5Ton (cLCB28) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.3 P=10.7 Mppal=-1.9 Msec=-5.0T m	F'c = 24.5 Mpa Cuantia zona superior =1.92 Eficiencia zona superior = 0.44 P=-5.9 Mppal=2.2 Msec=6.9T m Cuantia zona inferior =1.92 Eficiencia zona inferior = 0.31 P=10.7 Mppal=-1.9 Msec=-5.0T m Relación Mínima Col/Vig=1.5(Viga:17)
		V. Max Ppal=4.2Ton (cLCB26) Sec= 4.7Ton (cLCB28) V. plástico Ppal=11 Sec=11Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 1.0 P=-23.4 Mppal=4.0 Msec=9.9T m	F'c = 24.5 Mpa Cuantia zona superior =1.92 Eficiencia zona superior = 0.62 P=-23.4 Mppal=3.3 Msec=8.2T m Cuantia zona inferior =1.49 Eficiencia zona inferior = 0.96 P=-23.4 Mppal=4.0 Msec=9.9T m Relación Mínima Col/Vig=1.6(Viga:20)

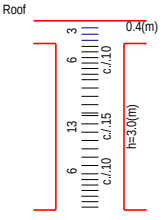
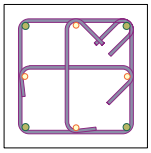
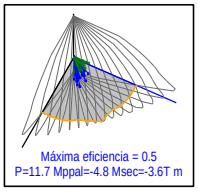
02 Norma: NSR-10 DMO

Volumen sin nudos= 1.0 m3 Peso del refuerzo= 297.0 Kg Cuantía= 287.8 kg/m3

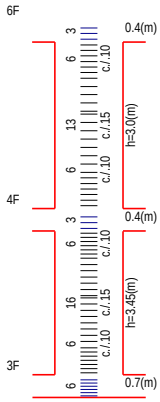
DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 12/#5+#6(1.92%)  B= .40H= .40 12/#5(1.49%)	V. Max Ppal=2.6Ton (cLCB38) Sec= 3.7Ton (cLCB28) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.3 P=9.9 Mppal=-1.9 Msec=-5.4T m	F'c = 24.5 Mpa Cuantia zona superior =1.92 Eficiencia zona superior = 0.45 P=-3.9 Mppal=2.1 Msec=7.2T m Cuantia zona inferior =1.92 Eficiencia zona inferior = 0.32 P=9.9 Mppal=-1.9 Msec=-5.4T m Relación Mínima Col/Vig=2.1(Viga:18)
		V. Max Ppal=4.1Ton (cLCB26) Sec= 4.8Ton (cLCB28) V. plástico Ppal=11 Sec=11Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.9 P=-16.9 Mppal=-4.0 Msec=10.0T m	F'c = 24.5 Mpa Cuantia zona superior =1.92 Eficiencia zona superior = 0.59 P=-16.9 Mppal=3.2 Msec=8.2T m Cuantia zona inferior =1.49 Eficiencia zona inferior = 0.91 P=-16.9 Mppal=4.0 Msec=10.0T m Relación Mínima Col/Vig=2.2(Viga:21)

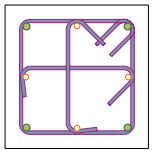
03 Norma: NSR-10 DMO

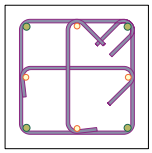
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 346.0 Kg Cuantía= 228.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=3.5Ton (cLCB26) Sec= 3.1Ton (cLCB28) V. plástico Ppal=9 Sec=9Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=11.7 Mppal=-4.8 Msec=-3.6T m	F'c = 24.5 Mpa Cuantia zona superior =1.21 Eficiencia zona superior = 0.72 P=8.1 Mppal=7.0 Msec=5.9T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.46 P=11.7 Mppal=-4.8 Msec=-3.6T m Relación Mínima Col/Vig=1.3(Viga:12)

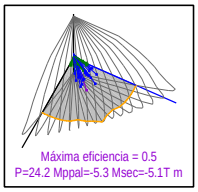
Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	







V. Max Ppal=3.3Ton (cLCB26)
Sec=
3.7Ton (cLCB28)
V. plástico Ppal=10 Sec=10Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))

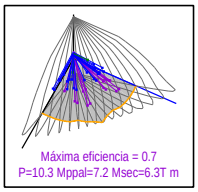


F'c = 24.5 Mpa
Cuantia zona superior =1.21
Eficiencia zona superior = 0.60
P=14.0 Mppal=5.9 Msec=5.4T m

Cuantia zona inferior =1.21
Eficiencia zona inferior = 0.53
P=24.2 Mppal=-5.3 Msec=-5.1T m

Relación Mínima Col/Vig=2.0(Viga:16)

V. Max Ppal=4.2Ton (cLCB22)
Sec=
4.8Ton (cLCB28)
V. plástico Ppal=10 Sec=10Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



F'c = 24.5 Mpa
Cuantia zona superior =1.21
Eficiencia zona superior = 0.57
P=10.3 Mppal=7.1 Msec=2.5T m

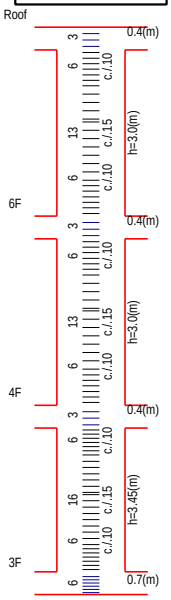
Cuantia zona inferior =1.21
Eficiencia zona inferior = 0.73
P=10.3 Mppal=7.2 Msec=6.3T m

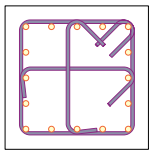
Relación Mínima Col/Vig=1.7(Viga:18)

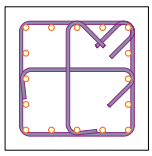
04 Norma: NSR-10 DMO

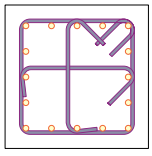
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

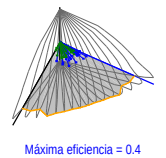








V. Max Ppal=3.1Ton (cLCB22)
Sec=
4.2Ton (cLCB28)
V. plástico Ppal=13 Sec=13Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))

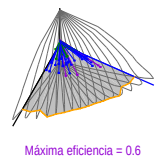


F'c = 24.5 Mpa
Cuantia zona superior =1.99
Eficiencia zona superior = 0.46
P=11.7 Mppal=-5.7 Msec=5.1T m

Cuantia zona inferior =1.99
Eficiencia zona inferior = 0.38
P=10.5 Mppal=4.4 Msec=-4.4T m

Relación Mínima Col/Vig=1.4(Viga:01)

V. Max Ppal=4.4Ton (cLCB22)
Sec=
6.5Ton (cLCB28)
V. plástico Ppal=14 Sec=14Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))

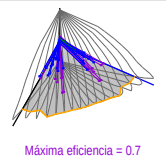


F'c = 24.5 Mpa
Cuantia zona superior =1.99
Eficiencia zona superior = 0.60
P=19.9 Mppal=2.3 Msec=11.4T m

Cuantia zona inferior =1.99
Eficiencia zona inferior = 0.56
P=31.6 Mppal=-6.0 Msec=-7.3T m

Relación Mínima Col/Vig=1.6(Viga:17)

V. Max Ppal=5.4Ton (cLCB26)
Sec=
6.5Ton (cLCB28)
V. plástico Ppal=13 Sec=13Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



F'c = 24.5 Mpa
Cuantia zona superior =1.99
Eficiencia zona superior = 0.74
P=63.1 Mppal=-10.1 Msec=-7.3T m

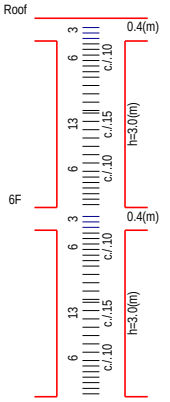
Cuantia zona inferior =1.99
Eficiencia zona inferior = 0.72
P=21.5 Mppal=10.7 Msec=6.4T m

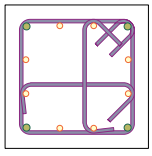
Relación Mínima Col/Vig=1.3(Viga:20)

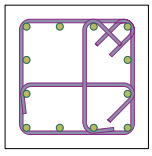
05 Norma: NSR-10 DMO

Volumen sin nudos= 1.4 m3 Peso del refuerzo= 447.9 Kg Cuantía= 323.6 kg/m3

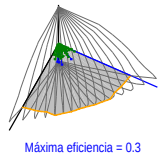
DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION







V. Max Ppal=2.6Ton (cLCB26)
Sec=
2.3Ton (cLCB28)
V. plástico Ppal=11 Sec=11Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))

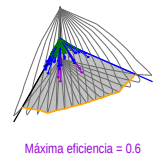


F'c = 24.5 Mpa
Cuantia zona superior =1.71
Eficiencia zona superior = 0.36
P=4.1 Mppal=4.9 Msec=2.9T m

Cuantia zona inferior =1.71
Eficiencia zona inferior = 0.31
P=6.4 Mppal=-4.0 Msec=-2.8T m

Relación Mínima Col/Vig=1.2(Viga:01)

V. Max Ppal=10.9Ton (cLCB26)
Sec=
5.5Ton (cLCB28)
V. plástico Ppal=14 Sec=14Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))

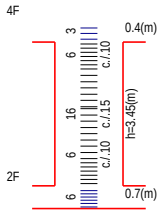


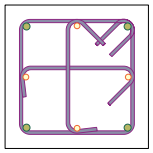
F'c = 24.5 Mpa
Cuantia zona superior =1.71
Eficiencia zona superior = 0.67
P=6.5 Mppal=9.4 Msec=5.2T m

Cuantia zona inferior =2.13
Eficiencia zona inferior = 0.62
P=29.1 Mppal=-10.1 Msec=-5.2T m

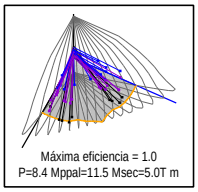
Relación Mínima Col/Vig=1.9(Viga:02)

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	





V. Max Ppal=12.0Ton (cLCB22)
Sec=
5.7Ton (cLCB28)
V. plástico Ppal=12 Sec=12Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



F'c = 24.5 Mpa
Cuantia zona superior =2.13
Eficiencia zona superior = 0.63
P=13.2 Mppal=12.2 Msec=2.4T m

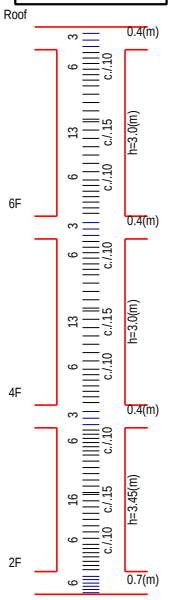
Cuantia zona inferior =1.21
Eficiencia zona inferior = 0.97
P=8.4 Mppal=11.5 Msec=5.0T m

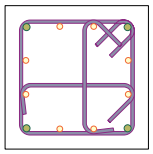
Relación Mínima Col/Vig=1.4(Viga:03)

06 Norma: NSR-10 DMO

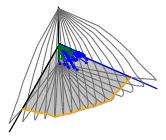
Volumen sin nudos= 1.4 m3 Peso del refuerzo= 447.9 Kg Cuantía= 323.6 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION





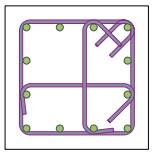
V. Max Ppal=2.7Ton (cLCB26)
Sec=
4.4Ton (cLCB28)
V. plástico Ppal=12 Sec=12Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



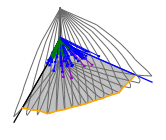
F'c = 24.5 Mpa
Cuantia zona superior =1.71
Eficiencia zona superior = 0.55
P=12.0 Mppal=5.7 Msec=6.5T m

Cuantia zona inferior =1.71
Eficiencia zona inferior = 0.44
P=13.4 Mppal=-3.7 Msec=-6.0T m

Relación Mínima Col/Vig=1.3(Viga:01)



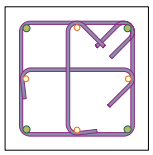
V. Max Ppal=9.6Ton (cLCB22)
Sec=
6.4Ton (cLCB28)
V. plástico Ppal=14 Sec=14Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



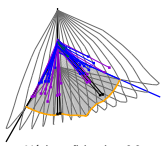
F'c = 24.5 Mpa
Cuantia zona superior =1.71
Eficiencia zona superior = 0.67
P=29.5 Mppal=-8.7 Msec=6.3T m

Cuantia zona inferior =2.13
Eficiencia zona inferior = 0.63
P=33.8 Mppal=8.2 Msec=-7.1T m

Relación Mínima Col/Vig=2.1(Viga:02)



V. Max Ppal=11.1Ton (cLCB26)
Sec=
6.0Ton (cLCB28)
V. plástico Ppal=12 Sec=12Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



F'c = 24.5 Mpa
Cuantia zona superior =2.13
Eficiencia zona superior = 0.77
P=58.7 Mppal=-11.0 Msec=-7.7T m

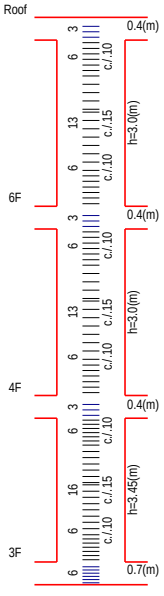
Cuantia zona inferior =1.21
Eficiencia zona inferior = 0.91
P=55.9 Mppal=12.1 Msec=6.5T m

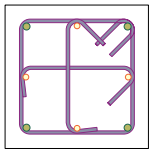
Relación Mínima Col/Vig=1.9(Viga:03)

07 Norma: NSR-10 DMO

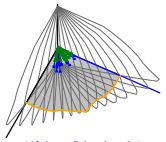
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 346.0 Kg Cuantía= 228.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION





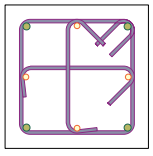
V. Max Ppal=3.1Ton (cLCB22)
Sec=
3.0Ton (cLCB28)
V. plástico Ppal=9 Sec=9Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



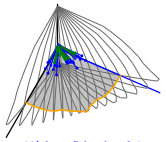
F'c = 24.5 Mpa
Cuantia zona superior =1.21
Eficiencia zona superior = 0.54
P=10.7 Mppal=-6.1 Msec=3.5T m

Cuantia zona inferior =1.21
Eficiencia zona inferior = 0.38
P=8.3 Mppal=4.1 Msec=-2.5T m

Relación Mínima Col/Vig=1.8(Viga:23)



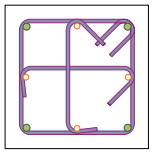
V. Max Ppal=3.4Ton (cLCB22)
Sec=
3.7Ton (cLCB28)
V. plástico Ppal=10 Sec=10Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



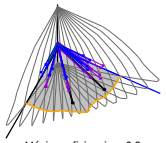
F'c = 24.5 Mpa
Cuantia zona superior =1.21
Eficiencia zona superior = 0.52
P=14.4 Mppal=.1 Msec=7.1T m

Cuantia zona inferior =1.21
Eficiencia zona inferior = 0.42
P=14.5 Mppal=5.1 Msec=-2.4T m

Relación Mínima Col/Vig=2.0(Viga:22)



V. Max Ppal=4.3Ton (cLCB26)
Sec=
5.2Ton (cLCB28)
V. plástico Ppal=10 Sec=10Ton
So abajo 100mm (P.Volum. (C.21.3.5.7))
S central 150mm (Diseñador)
So arriba 100mm (P.Volum. (C.21.3.5.7))



F'c = 24.5 Mpa
Cuantia zona superior =1.21
Eficiencia zona superior = 0.73
P=38.6 Mppal=-7.8 Msec=-6.8T m

Cuantia zona inferior =1.21
Eficiencia zona inferior = 0.85
P=8.9 Mppal=8.4 Msec=7.0T m

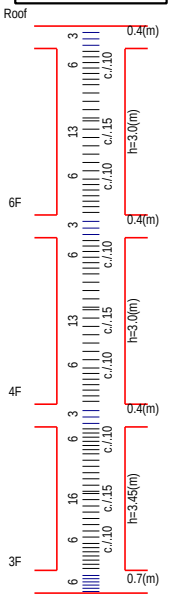
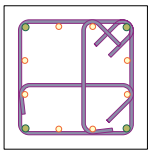
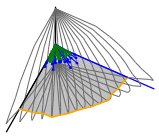
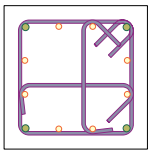
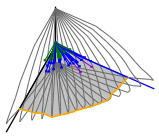
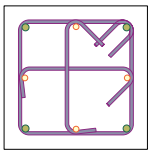
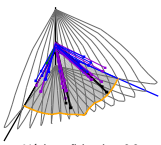
Relación Mínima Col/Vig=1.7(Viga:28)

08 Norma: NSR-10 DMO

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

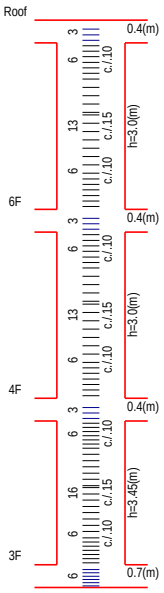
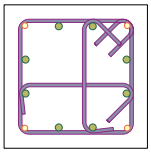
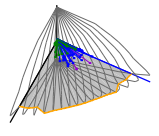
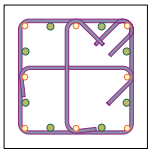
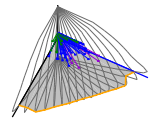
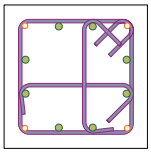
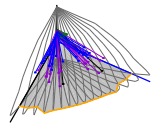
08

Norma: NSR-10 DMO
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 414.3 Kg Cuantía= 274.0 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 12/#6+#5(1.71%)	V. Max Ppal=3.7Ton (cLCB26) Sec= 4.1Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.4 P=11.6 Mppal=-3.4 Msec=5.1T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.50 P=12.2 Mppal=3.8 Msec=-7.1T m Cuantia zona inferior =1.71 Eficiencia zona inferior = 0.39 P=11.6 Mppal=-3.4 Msec=5.1T m Relación Mínima Col/Vig=1.2(Viga:12)
	 B= .40H= .40 12/#6+#5(1.71%)	V. Max Ppal=4.5Ton (cLCB26) Sec= 5.4Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=24.0 Mppal=-3.9 Msec=7.5T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.52 P=26.8 Mppal=3.9 Msec=-7.8T m Cuantia zona inferior =1.71 Eficiencia zona inferior = 0.51 P=24.0 Mppal=-3.9 Msec=7.5T m Relación Mínima Col/Vig=1.8(Viga:16)
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=5.1Ton (cLCB22) Sec= 6.1Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.9 P=52.1 Mppal=-10.2 Msec=-7.9T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.77 P=29.6 Mppal=9.3 Msec=7.9T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.89 P=52.1 Mppal=-10.2 Msec=-7.9T m Relación Mínima Col/Vig=1.5(Viga:18)

09

Norma: NSR-10 DMO
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 502.2 Kg Cuantía= 332.2 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 12/#5+#6(1.92%)	V. Max Ppal=3.2Ton (cLCB22) Sec= 5.5Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=13.8 Mppal=4.5 Msec=6.9T m	F'c = 24.5 Mpa Cuantia zona superior =1.92 Eficiencia zona superior = 0.60 P=15.1 Mppal=-6.3 Msec=-7.3T m Cuantia zona inferior =1.92 Eficiencia zona inferior = 0.50 P=13.8 Mppal=4.5 Msec=6.9T m Relación Mínima Col/Vig=1.2(Viga:15)
	 B= .40H= .40 16/#5+#6(2.42%)	V. Max Ppal=4.1Ton (cLCB26) Sec= 7.4Ton (cLCB24) V. plástico Ppal=15 Sec=15Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Por Cortante Plástico) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.6 P=40.3 Mppal=6.3 Msec=8.9T m	F'c = 24.5 Mpa Cuantia zona superior =1.92 Eficiencia zona superior = 0.70 P=45.1 Mppal=-7.2 Msec=-8.9T m Cuantia zona inferior =2.42 Eficiencia zona inferior = 0.59 P=40.3 Mppal=6.3 Msec=8.9T m Relación Mínima Col/Vig=1.4(Viga:17)
	 B= .40H= .40 12/#5+#6(1.92%)	V. Max Ppal=5.4Ton (cLCB22) Sec= 6.8Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.8 P=77.3 Mppal=-11.0 Msec=-7.0T m	F'c = 24.5 Mpa Cuantia zona superior =2.42 Eficiencia zona superior = 0.71 P=67.2 Mppal=9.6 Msec=8.2T m Cuantia zona inferior =1.92 Eficiencia zona inferior = 0.80 P=77.3 Mppal=-11.0 Msec=-7.0T m Relación Mínima Col/Vig=1.3(Viga:20)

10

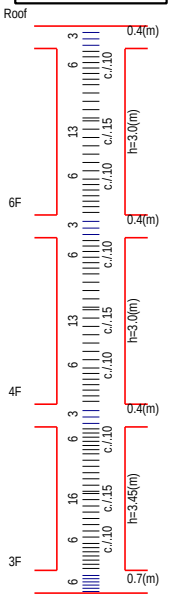
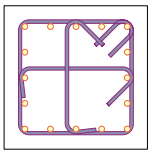
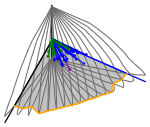
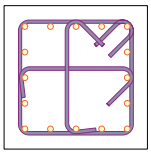
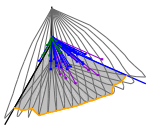
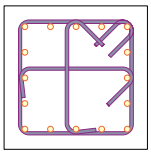
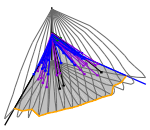
Norma: NSR-10 DMO
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

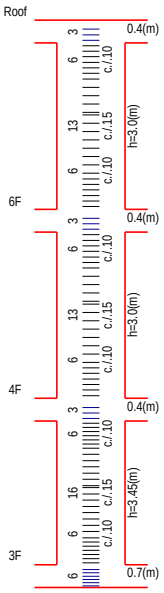
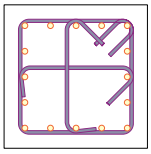
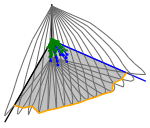
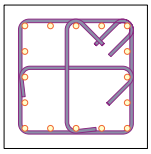
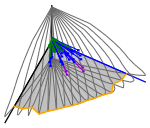
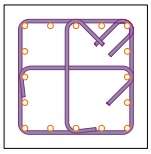
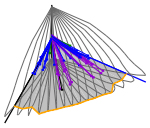
10 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=3.2Ton (cLCB22) Sec= 5.6Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=13.4 Mppal=5.0 Msec=6.9T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.57 P=15.2 Mppal=-5.8 Msec=-7.5T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.51 P=13.4 Mppal=5.0 Msec=6.9T m Relación Mínima Col/Vig=1.4(Viga:20)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=4.8Ton (cLCB22) Sec= 7.8Ton (cLCB24) V. plástico Ppal=15 Sec=15Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.7 P=38.4 Mppal=7.8 Msec=9.6T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.77 P=44.3 Mppal=-8.7 Msec=-9.6T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.73 P=38.4 Mppal=7.8 Msec=9.6T m Relación Mínima Col/Vig=1.4(Viga:21)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.7Ton (cLCB26) Sec= 7.4Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.8 P=75.6 Mppal=-10.5 Msec=-8.1T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.77 P=63.6 Mppal=8.9 Msec=9.2T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.81 P=75.6 Mppal=-10.5 Msec=-8.1T m Relación Mínima Col/Vig=1.3(Viga:26)

11 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=3.4Ton (cLCB22) Sec= 3.9Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.4 P=8.6 Mppal=5.2 Msec=4.1T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.53 P=12.4 Mppal=-6.5 Msec=-5.8T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.39 P=8.6 Mppal=5.2 Msec=4.1T m Relación Mínima Col/Vig=1.4(Viga:23)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=4.2Ton (cLCB22) Sec= 5.9Ton (cLCB24) V. plástico Ppal=14 Sec=14Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.6 P=18.1 Mppal=4.2 Msec=9.7T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.64 P=27.2 Mppal=-4.7 Msec=-10.4T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.59 P=18.1 Mppal=4.2 Msec=9.7T m Relación Mínima Col/Vig=2.0(Viga:22)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.1Ton (cLCB26) Sec= 6.9Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.8 P=11.5 Mppal=10.1 Msec=7.5T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.67 P=14.8 Mppal=2.1 Msec=12.5T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.75 P=11.5 Mppal=10.1 Msec=7.5T m Relación Mínima Col/Vig=1.6(Viga:28)

12 Norma: NSR-10 DMO

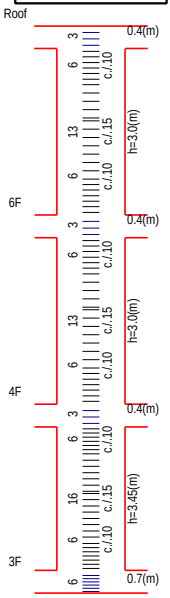
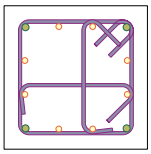
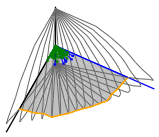
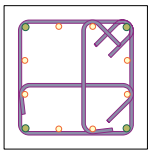
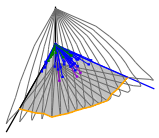
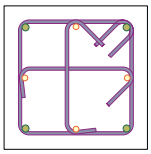
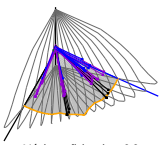
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 414.3 Kg Cuantía= 274.0 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

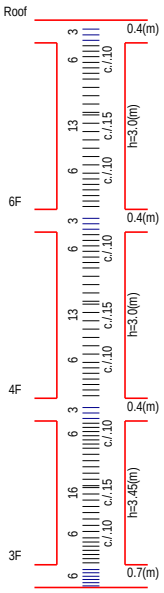
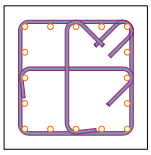
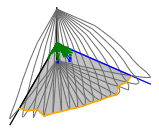
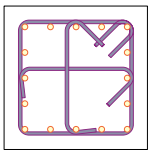
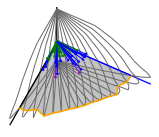
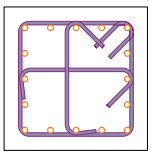
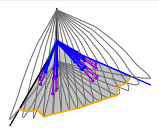
12 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 414.3 Kg Cuantía= 274.0 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 12/#6+#5(1.71%)	V. Max Ppal=2.6Ton (cLCB26) Sec= 2.8Ton (cLCB24) V. plástico Ppal=11 Sec=11Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.3 P=5.1 Mppal=-3.0 Msec=-3.3T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.35 P=3.3 Mppal=4.9 Msec=2.5T m Cuantia zona inferior =1.71 Eficiencia zona inferior = 0.29 P=5.1 Mppal=-3.0 Msec=-3.3T m Relación Mínima Col/Vig=1.2(Viga:12)
	 B= .40H= .40 12/#6+#5(1.71%)	V. Max Ppal=4.8Ton (cLCB26) Sec= 5.0Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=17.4 Mppal=-4.9 Msec=-7.2T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.64 P=11.1 Mppal=9.0 Msec=4.9T m Cuantia zona inferior =1.71 Eficiencia zona inferior = 0.55 P=17.4 Mppal=-4.9 Msec=-7.2T m Relación Mínima Col/Vig=1.7(Viga:16)
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=5.5Ton (cLCB22) Sec= 5.9Ton (cLCB24) V. plástico Ppal=10 Sec=10Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.9 P=35.8 Mppal=-11.1 Msec=-7.7T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.77 P=16.8 Mppal=10.0 Msec=7.0T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.95 P=35.8 Mppal=-11.1 Msec=-7.7T m Relación Mínima Col/Vig=1.3(Viga:18)

13 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=2.8Ton (cLCB22) Sec= 3.0Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.3 P=5.1 Mppal=2.9 Msec=4.5T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.38 P=6.4 Mppal=-3.0 Msec=-5.9T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.32 P=5.1 Mppal=2.9 Msec=4.5T m Relación Mínima Col/Vig=1.2(Viga:15)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.1Ton (cLCB22) Sec= 4.8Ton (cLCB24) V. plástico Ppal=14 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=16.0 Mppal=4.8 Msec=7.8T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.58 P=19.7 Mppal=-5.3 Msec=-8.5T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.54 P=16.0 Mppal=4.8 Msec=7.8T m Relación Mínima Col/Vig=2.1(Viga:17)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.9Ton (cLCB26) Sec= 5.9Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.7 P=11.0 Mppal=11.7 Msec=5.0T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.66 P=31.8 Mppal=-5.4 Msec=-10.3T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.72 P=11.0 Mppal=11.7 Msec=5.0T m Relación Mínima Col/Vig=1.3(Viga:20)

14 Norma: NSR-10 DMO

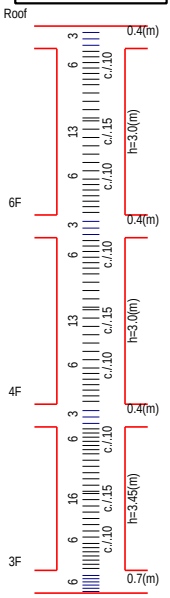
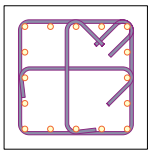
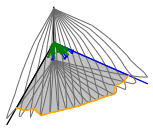
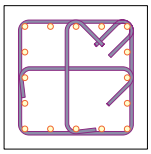
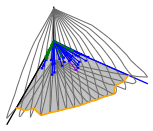
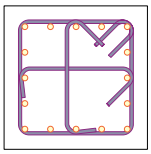
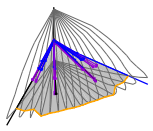
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

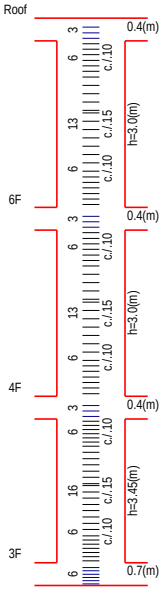
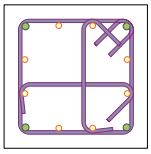
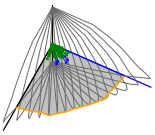
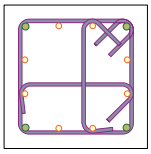
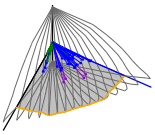
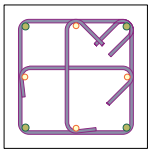
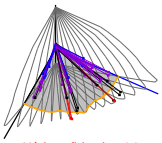
14 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=2.6Ton (cLCB26) Sec= 3.2Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.3 P=6.1 Mppal=-2.6 Msec=-3.9T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.33 P=6.1 Mppal=-.3 Msec=-6.1T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.28 P=6.1 Mppal=-2.6 Msec=-3.9T m Relación Mínima Col/Vig=1.3(Viga:20)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.0Ton (cLCB26) Sec= 5.1Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=18.9 Mppal=-4.5 Msec=-7.5T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.57 P=15.1 Mppal=5.0 Msec=8.4T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.51 P=18.9 Mppal=-4.5 Msec=-7.5T m Relación Mínima Col/Vig=1.4(Viga:21)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.9Ton (cLCB22) Sec= 6.3Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.8 P=34.6 Mppal=-11.9 Msec=-6.5T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.71 P=21.8 Mppal=5.1 Msec=11.6T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.77 P=34.6 Mppal=-11.9 Msec=-6.5T m Relación Mínima Col/Vig=1.6(Viga:26)

15 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 414.3 Kg Cuantía= 274.0 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 12/#6+#5(1.71%)	V. Max Ppal=2.5Ton (cLCB22) Sec= 2.9Ton (cLCB24) V. plástico Ppal=11 Sec=11Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.3 P=3.9 Mppal=2.6 Msec=4.3T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.39 P=5.1 Mppal=-2.7 Msec=-5.7T m Cuantia zona inferior =1.71 Eficiencia zona inferior = 0.32 P=3.9 Mppal=2.6 Msec=4.3T m Relación Mínima Col/Vig=1.2(Viga:23)
	 B= .40H= .40 12/#6+#5(1.71%)	V. Max Ppal=4.6Ton (cLCB22) Sec= 5.7Ton (cLCB24) V. plástico Ppal=12 Sec=12Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.6 P=12.5 Mppal=4.4 Msec=9.1T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.69 P=19.5 Mppal=-8.7 Msec=-6.7T m Cuantia zona inferior =1.71 Eficiencia zona inferior = 0.62 P=12.5 Mppal=4.4 Msec=9.1T m Relación Mínima Col/Vig=1.7(Viga:22)
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=5.5Ton (cLCB26) Sec= 6.9Ton (cLCB24) V. plástico Ppal=11 Sec=10Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 1.1 P=6.1 Mppal=10.8 Msec=8.5T m	F'c = 24.5 Mpa Cuantia zona superior =1.71 Eficiencia zona superior = 0.78 P=35.9 Mppal=-9.9 Msec=-7.8T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 1.08 P=6.1 Mppal=10.8 Msec=8.5T m Relación Mínima Col/Vig=1.3(Viga:28)

16 Norma: NSR-10 DMO

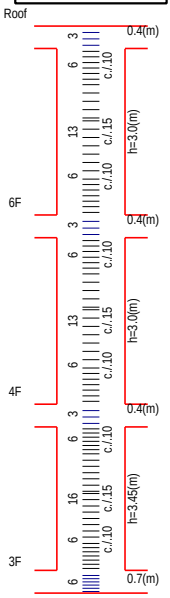
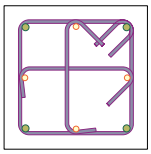
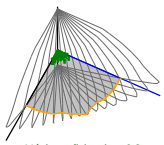
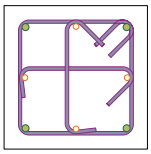
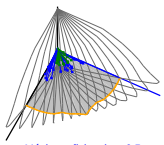
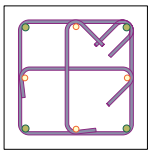
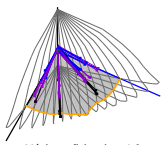
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 365.8 Kg Cuantía= 241.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

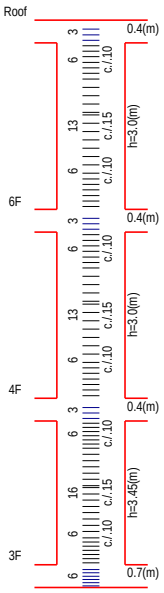
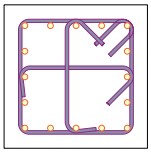
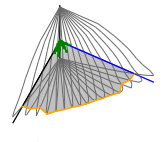
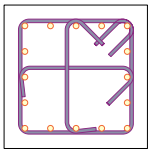
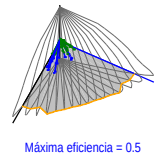
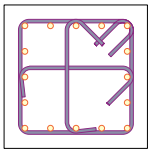
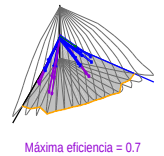
16 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 365.8 Kg Cuantía= 241.9 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=2.2Ton (cLCB26) Sec= 1.8Ton (cLCB24) V. plástico Ppal=10 Sec=10Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.2 P=7.6 Mppal=-2.9 Msec=-.4T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.28 P=4.5 Mppal=4.7 Msec=1.7T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.23 P=7.6 Mppal=-2.9 Msec=-.4T m Relación Mínima Col/Vig=1.3(Viga:12)
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=4.3Ton (cLCB26) Sec= 3.4Ton (cLCB24) V. plástico Ppal=10 Sec=10Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=17.5 Mppal=-6.3 Msec=-1.2T m	F'c = 24.5 Mpa Cuantia zona superior =1.21 Eficiencia zona superior = 0.66 P=8.2 Mppal=8.2 Msec=2.2T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.46 P=17.5 Mppal=-6.3 Msec=-1.2T m Relación Mínima Col/Vig=2.0(Viga:15)
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=5.7Ton (cLCB22) Sec= 4.8Ton (cLCB24) V. plástico Ppal=9 Sec=9Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 1.0 P=5.0 Mppal=10.6 Msec=5.7T m	F'c = 24.5 Mpa Cuantia zona superior =1.21 Eficiencia zona superior = 0.88 P=5.0 Mppal=9.5 Msec=5.3T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.98 P=5.0 Mppal=10.6 Msec=5.7T m Relación Mínima Col/Vig=1.6(Viga:16)

17 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=2.6Ton (cLCB22) Sec= 1.7Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.2 P=7.8 Mppal=3.7 Msec=1.6T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.29 P=7.8 Mppal=4.8 Msec=1.9T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.23 P=7.8 Mppal=3.7 Msec=1.6T m Relación Mínima Col/Vig=1.3(Viga:15)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.1Ton (cLCB22) Sec= 2.8Ton (cLCB40) V. plástico Ppal=14 Sec=14Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=16.8 Mppal=-8.0 Msec=-2.7T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.53 P=21.6 Mppal=-9.6 Msec=-2.8T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.46 P=16.8 Mppal=-8.0 Msec=-2.7T m Relación Mínima Col/Vig=1.9(Viga:15)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=6.6Ton (cLCB34) Sec= 4.8Ton (cLCB28) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.7 P=15.4 Mppal=12.9 Msec=4.6T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.67 P=42.4 Mppal=-11.3 Msec=-4.8T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.75 P=15.4 Mppal=12.9 Msec=4.6T m Relación Mínima Col/Vig=1.3(Viga:20)

18 Norma: NSR-10 DMO

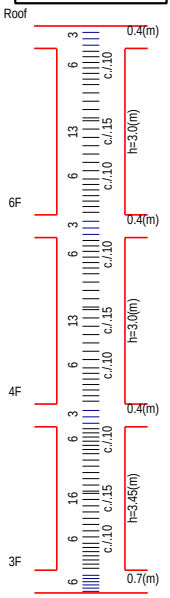
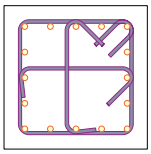
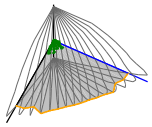
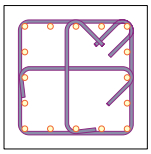
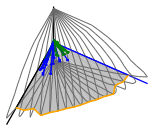
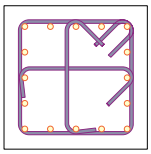
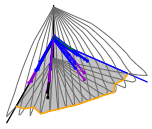
Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

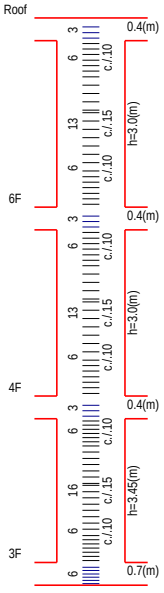
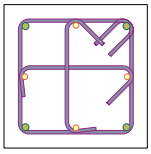
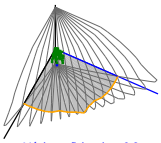
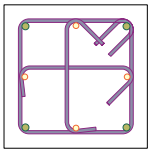
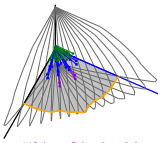
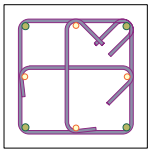
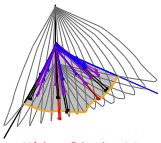
18 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 460.3 Kg Cuantía= 304.4 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=2.5Ton (cLCB26) Sec= 1.7Ton (cLCB24) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.2 P=10.4 Mppal=-3.6 Msec=-.6T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.31 P=7.3 Mppal=5.0 Msec=2.3T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.20 P=10.4 Mppal=-3.6 Msec=-.6T m Relación Mínima Col/Vig=1.3(Viga:20)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=5.1Ton (cLCB26) Sec= 3.1Ton (cLCB40) V. plástico Ppal=14 Sec=14Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.5 P=6.7 Mppal=8.3 Msec=1.6T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.54 P=11.3 Mppal=9.6 Msec=2.7T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.47 P=6.7 Mppal=8.3 Msec=1.6T m Relación Mínima Col/Vig=1.7(Viga:21)
	 B= .40H= .40 16/#5(1.99%)	V. Max Ppal=6.7Ton (cLCB26) Sec= 5.1Ton (cLCB28) V. plástico Ppal=13 Sec=13Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.8 P=12.9 Mppal=13.5 Msec=5.4T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.73 P=43.4 Mppal=-12.2 Msec=-5.4T m Cuantia zona inferior =1.99 Eficiencia zona inferior = 0.81 P=12.9 Mppal=13.5 Msec=5.4T m Relación Mínima Col/Vig=1.3(Viga:26)

19 Norma: NSR-10 DMO

Volumen sin nudos= 1.5 m3 Peso del refuerzo= 365.8 Kg Cuantía= 241.9 kg/m3

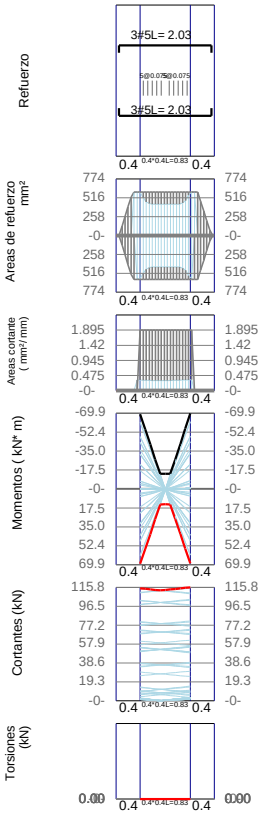
DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=2.2Ton (cLCB22) Sec= 1.8Ton (cLCB24) V. plástico Ppal=10 Sec=10Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.3 P=4.2 Mppal=2.8 Msec=1.7T m	F'c = 24.5 Mpa Cuantia zona superior =1.99 Eficiencia zona superior = 0.31 P=7.6 Mppal=-4.6 Msec=-2.5T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.26 P=4.2 Mppal=2.8 Msec=1.7T m Relación Mínima Col/Vig=1.3(Viga:23)
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=4.2Ton (cLCB22) Sec= 3.8Ton (cLCB24) V. plástico Ppal=10 Sec=10Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 0.6 P=7.3 Mppal=6.2 Msec=3.9T m	F'c = 24.5 Mpa Cuantia zona superior =1.21 Eficiencia zona superior = 0.71 P=17.6 Mppal=-8.2 Msec=-5.1T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 0.58 P=7.3 Mppal=6.2 Msec=3.9T m Relación Mínima Col/Vig=1.9(Viga:22)
	 B= .40H= .40 8/#6+#5(1.21%)	V. Max Ppal=5.7Ton (cLCB26) Sec= 5.5Ton (cLCB24) V. plástico Ppal=9 Sec=9Ton So abajo 100mm (P.Volum. (C.21.3.5.7)) S central 150mm (Diseñador) So arriba 100mm (P.Volum. (C.21.3.5.7))	 Máxima eficiencia = 1.1 P=3.4 Mppal=11.7 Msec=6.7T m	F'c = 24.5 Mpa Cuantia zona superior =1.21 Eficiencia zona superior = 0.83 P=-1.3 Mppal=2.8 Msec=9.3T m Cuantia zona inferior =1.21 Eficiencia zona inferior = 1.11 P=3.4 Mppal=11.7 Msec=6.7T m Relación Mínima Col/Vig=1.4(Viga:28)

C. ANEXO 3. VIGAS DE CIMENTACIÓN BLOQUE A

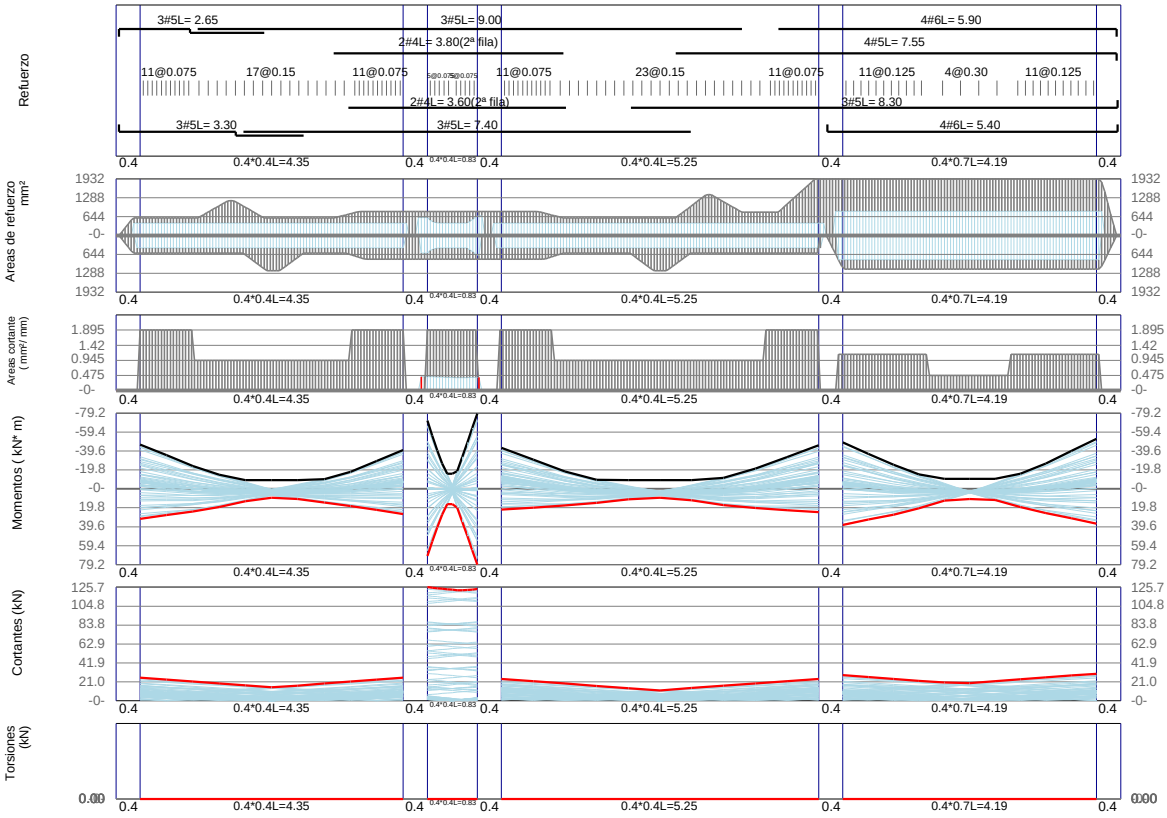
JUAN CARLOS CORTES CORTES
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MS. CONSTRUCCIÓN (EC)
UNIVERSIDAD NACIONAL DE COLOMBIA.
Teléfono: 3107800935
ingcortesjc@yahoo.com.ar

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC001 / 2F



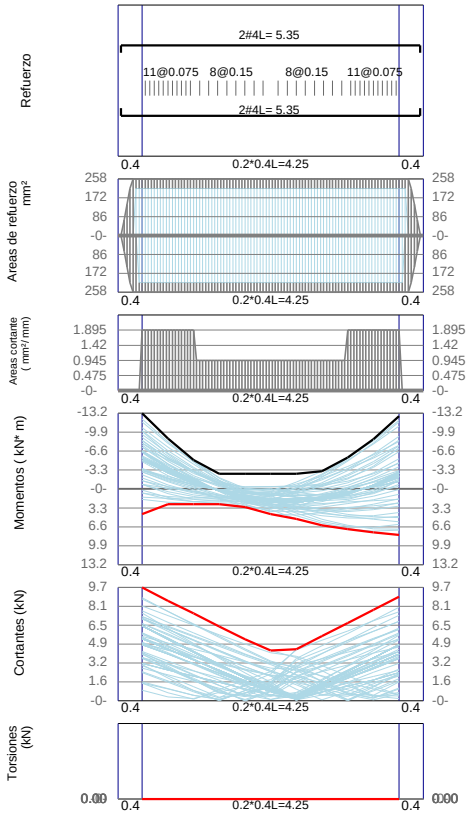
VC002 / 2F



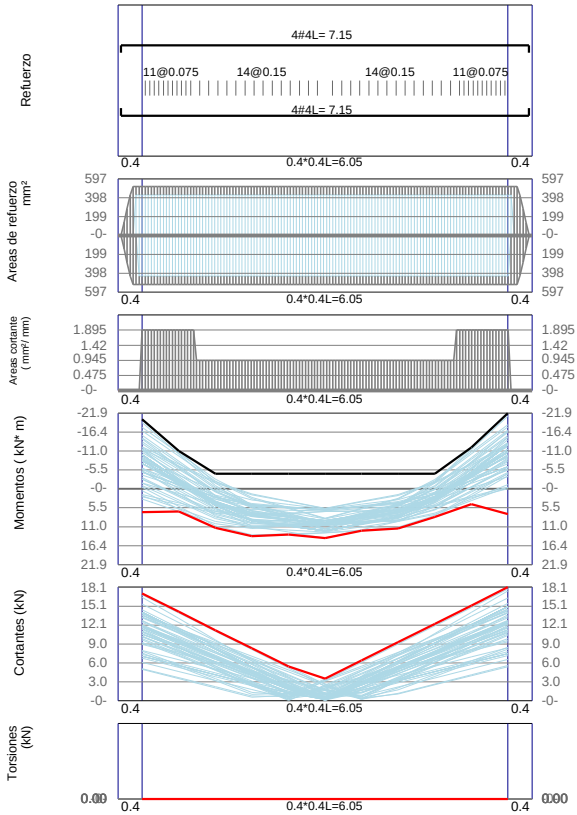
VC003 / 2F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC003 / 2F



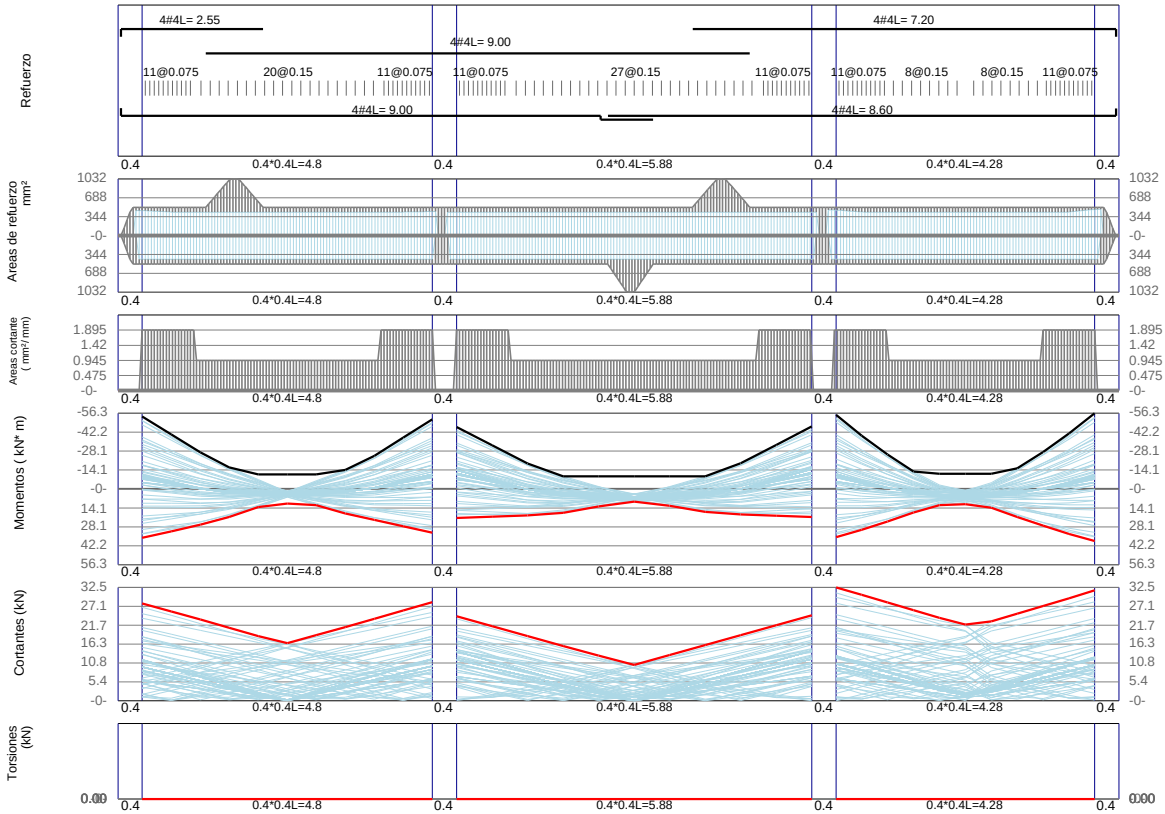
VC004 / 2F



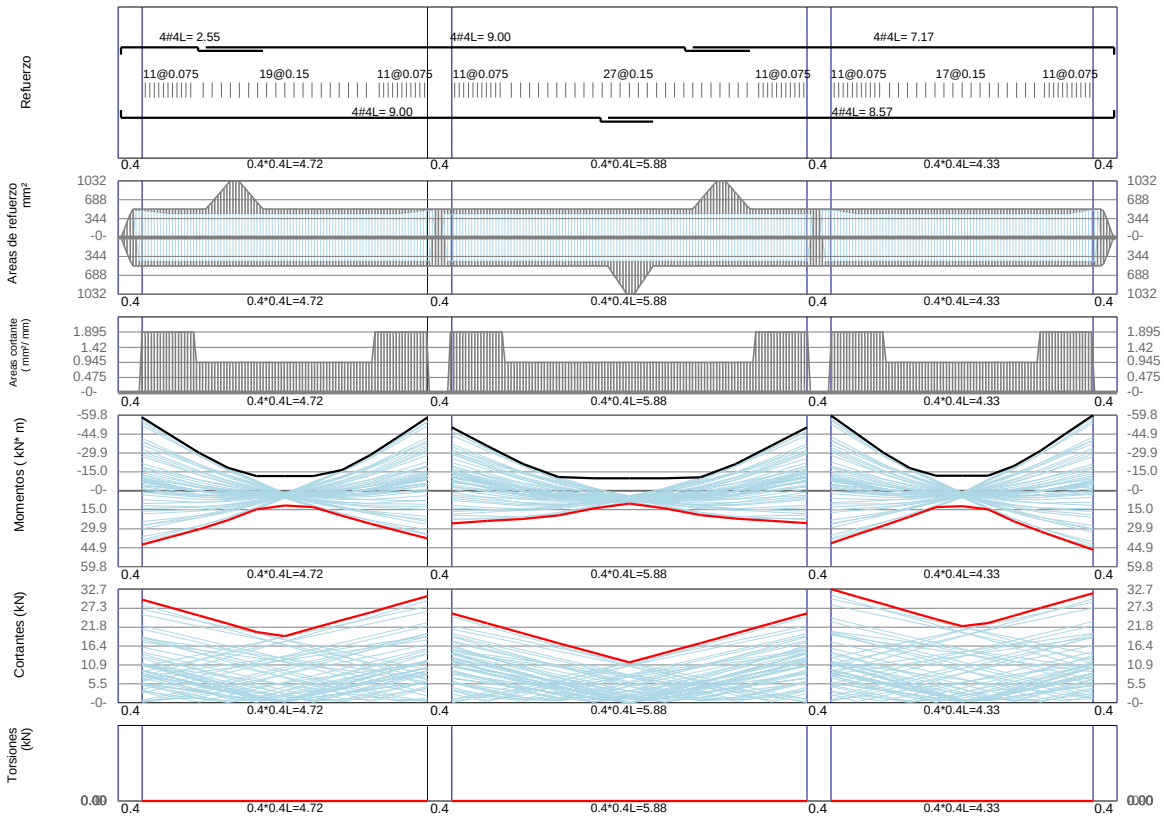
VC005 / 2F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC005 / 2F



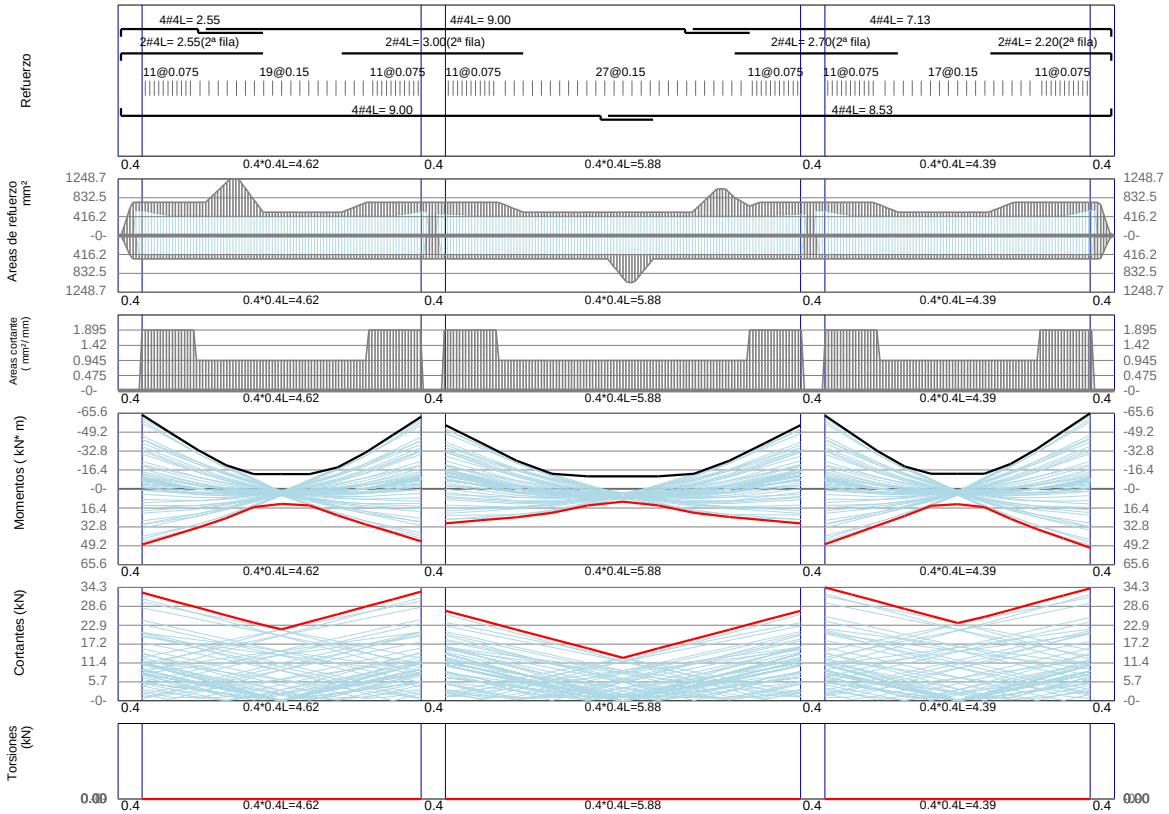
VC006 / 2F



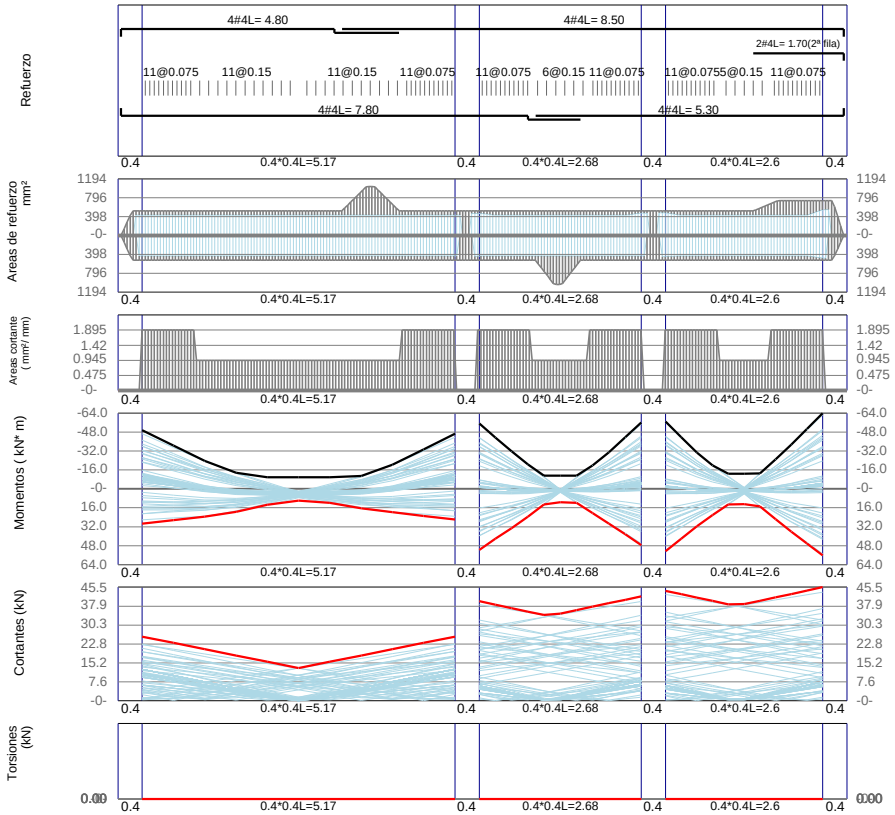
VC007 / 2F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC007 / 2F



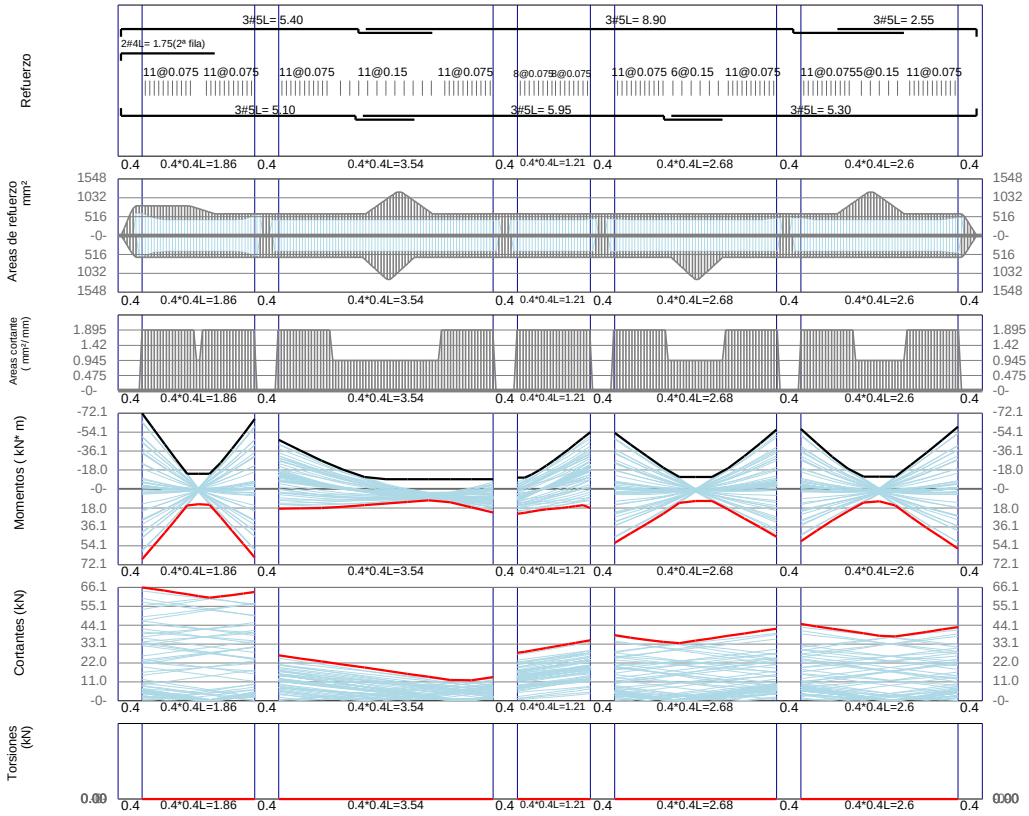
VC008 / 2F



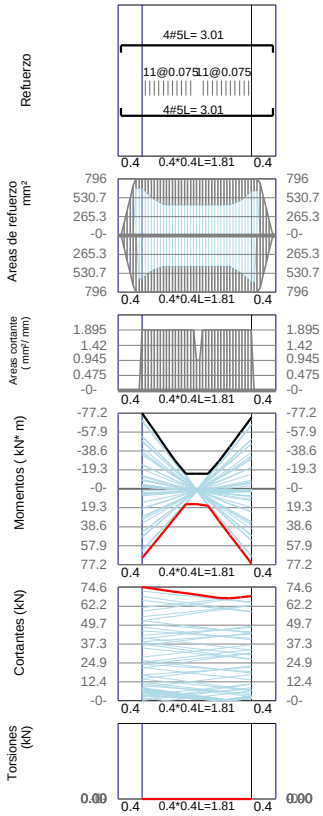
VC009 / 2F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC009 / 2F



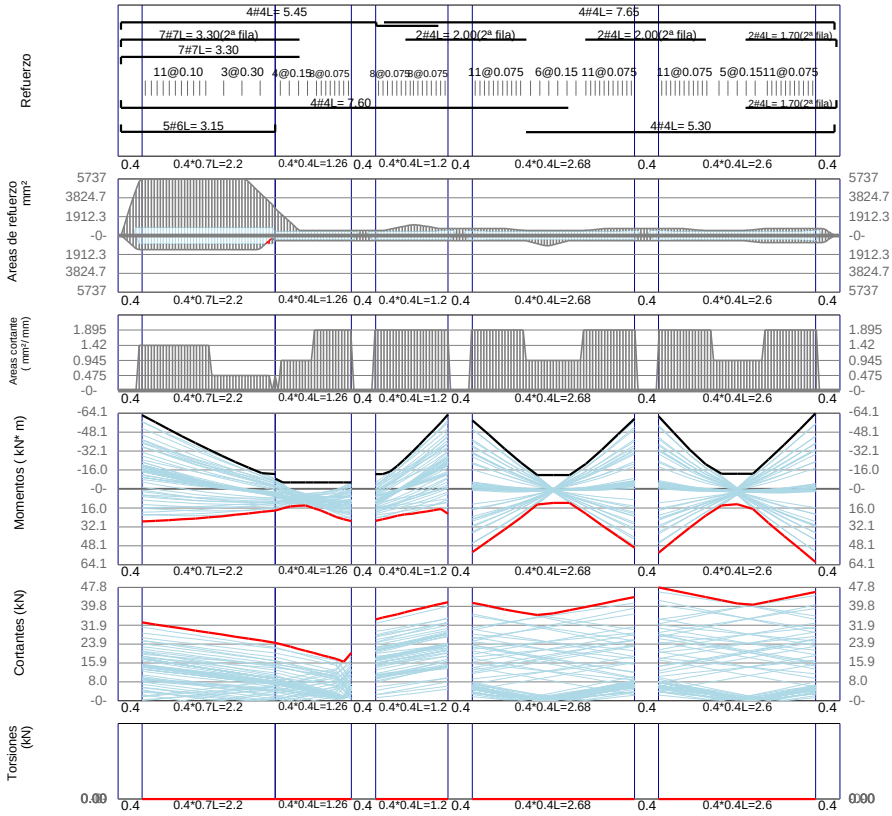
VC010 / 2F



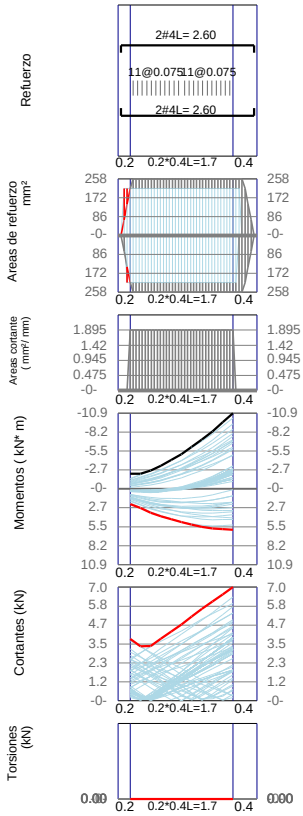
VC011 / 2F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC011 / 2F



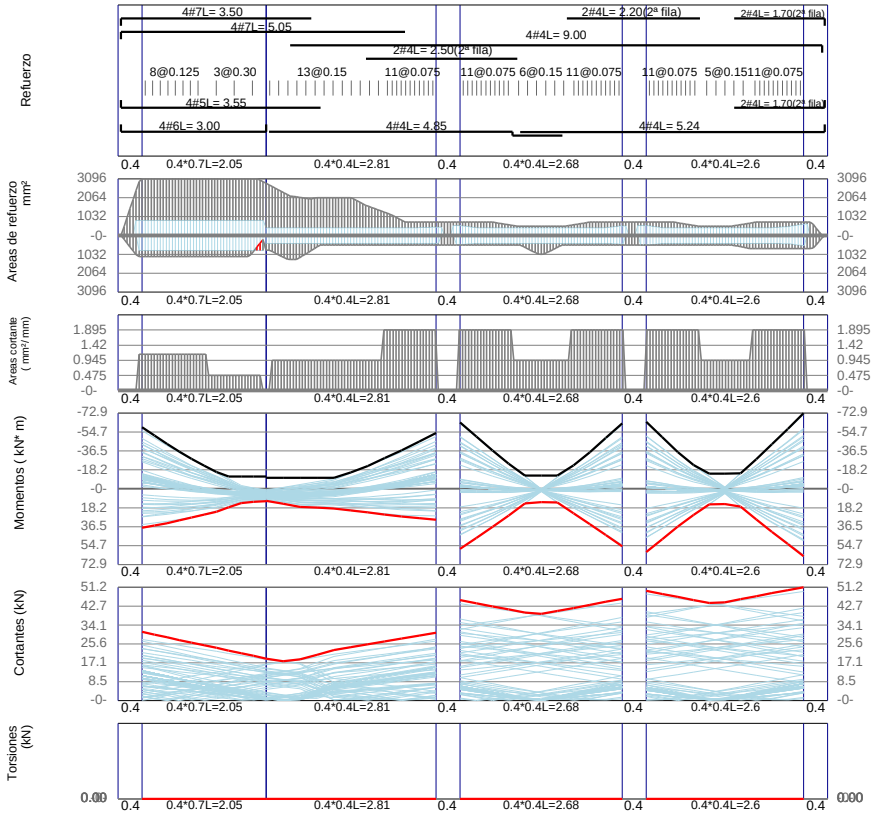
VC012 / 2F



VC013 / 2F

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC013 / 2F



D. ANEXO 4. DATOS MODELO BLOQUE A

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ingcortesjc@yahoo.com.ar

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

*** PROJECT INFORMATION

Project Name :
Date : 2025/10/1

*** CONTROL DATA

Panel Zone Effect : Do not Calculate
Unit System : KN, M
Definition of Frame
- X Direction of Frame : Braced I Non-sway
- Y Direction of Frame : Braced I Non-sway
- Design Type : 3-D

Design Code
- Steel : AISC(15th)-LRFD16
- Concrete : NSR-10
- SRC : SSRC79

*** LOAD CASE DATA

NO	NAME	TYPE	SELF WEIGHT FACTOR X	Y	Z	DESCRIPTION
1	D	D	0.000	0.000	0.000	
2	L	L	0.000	0.000	0.000	
3	LR	LR	0.000	0.000	0.000	
4	LE	R	0.000	0.000	0.000	
5	W	W	0.000	0.000	0.000	
6	WN	W	0.000	0.000	0.000	
7	FHEX	E	0.000	0.000	0.000	
8	FHEY	E	0.000	0.000	0.000	
9	PP	D	0.000	0.000	-1.000	
10	G O E	S	0.000	0.000	0.000	

*** MATERIAL PROPERTY DATA

NO	NAME	TYPE	MODULUS OF ELASTICITY	SHEAR MODULUS	THERMAL COEFF.	POISSON RATIO	WEIGHT DENSITY
1	Grade C3500	CONC	2.35e+07	9.793e+06	5e-06	0.2	23.56
2	A572-50	STEEL	1.999e+08	7.69e+07	6.5e-06	0.3	77.09
3	A500-50	STEEL	1.999e+08	7.69e+07	6.5e-06	0.3	77.09

NO	NAME	TYPE	STRENGTH OF DESIGN MATERIAL STEEL	CONCRETE	MAIN REBAR	SUB REBAR
1	Grade C3500	CONC	-	2.413e+04	4.137e+05	4.137e+05
2	A572-50	STEEL	3.447e+05	-	-	-
3	A500-50	STEEL	3.447e+05	-	-	-

*** STORY DATA

Ground Level , 0

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

NAME	LEVEL	HEIGHT	FLOOR DIAPHRAGM
Roof	10.350	0.000	Do not consider
6F	6.950	3.400	Consider
5F	5.250	1.700	Do not consider
4F	3.550	1.700	Consider
3F	1.850	1.700	Do not consider
2F	-0.300	2.150	Do not consider
1F	-1.000	0.700	Do not consider

*** NODE DATA

NO	X	Y	Z	TEMPERATURE
30	4.417	13.86	3.55	0
31	5.644	13.8	3.55	0
32	-0.3304	11.65	3.55	0
33	4.417	11.6	3.55	0
34	-0.184	6.079	3.55	0
35	5.015	6.079	3.55	0
36	11.29	6.079	3.55	0
37	15.97	6.079	3.55	0
38	16.02	2.999	3.55	0
39	11.29	2.999	3.55	0
40	5.015	2.999	3.55	0
41	-0.1031	2.999	3.55	0
42	5.015	0	3.55	0
43	0	0	3.55	0
44	11.29	0	3.55	0
45	16.08	0	3.55	0
46	11.29	11.53	3.55	0
47	15.88	11.34	3.55	0
48	5.644	11.59	3.55	0
54	4.417	13.86	6.95	0
55	5.644	13.8	6.95	0
56	-0.3304	11.65	6.95	0
57	4.417	11.6	6.95	0
58	-0.184	6.079	6.95	0
59	5.015	6.079	6.95	0
60	11.29	6.079	6.95	0
61	15.97	6.079	6.95	0
62	16.02	2.999	6.95	0
63	11.29	2.999	6.95	0
64	5.015	2.999	6.95	0
65	-0.1031	2.999	6.95	0
66	5.015	0	6.95	0
67	0	0	6.95	0
68	11.29	0	6.95	0
69	16.08	0	6.95	0
70	11.29	11.53	6.95	0
71	15.88	11.34	6.95	0
72	5.644	11.59	6.95	0
80	-0.3304	11.65	10.35	0
81	4.417	11.6	10.35	0
82	-0.184	6.079	10.35	0
83	5.015	6.079	10.35	0
84	11.29	6.079	10.35	0
85	15.97	6.079	10.35	0
86	16.02	2.999	10.35	0
87	11.29	2.999	10.35	0
88	5.015	2.999	10.35	0
89	-0.1031	2.999	10.35	0
90	5.015	0	10.35	0
91	0	0	10.35	0
92	11.29	0	10.35	0
93	16.08	0	10.35	0
94	11.29	11.53	10.35	0
95	15.88	11.34	10.35	0

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

96	5.644	11.59	10.35	0
97	-0.2816	9.792	3.55	0
101	4.613	9.792	3.55	0
102	11.29	9.792	3.55	0
103	15.91	9.792	3.55	0
113	-0.1436	4.539	3.55	0
114	16	4.539	3.55	0
115	5.015	4.539	3.55	0
116	11.29	4.539	3.55	0
117	-0.05155	1.5	3.55	0
118	16.05	1.5	3.55	0
119	5.015	1.5	3.55	0
120	11.29	1.5	3.55	0
126	4.826	7.829	3.55	0
127	11.29	7.829	3.55	0
128	-0.23	7.829	3.55	0
129	15.94	7.829	3.55	0
134	6.617	11.58	3.55	0
135	6.617	9.792	3.55	0
136	6.617	7.679	3.55	0
138	9.486	11.55	3.55	0
139	9.486	9.792	3.55	0
140	9.486	7.679	3.55	0
141	-0.2816	9.792	6.95	0
142	4.613	9.792	6.95	0
143	6.617	9.792	6.95	0
144	11.29	9.792	6.95	0
145	15.91	9.792	6.95	0
147	-0.23	7.829	6.95	0
148	-0.1436	4.539	6.95	0
149	5.015	4.539	6.95	0
150	11.29	4.539	6.95	0
151	16	4.539	6.95	0
152	-0.05155	1.5	6.95	0
153	5.015	1.5	6.95	0
154	11.29	1.5	6.95	0
155	16.05	1.5	6.95	0
156	4.826	7.829	6.95	0
158	11.29	7.829	6.95	0
159	15.94	7.829	6.95	0
161	6.617	11.58	6.95	0
163	9.486	11.55	6.95	0
164	9.486	9.792	6.95	0
168	11.29	7.679	3.55	0
169	4.842	7.679	3.55	0
170	13.87	6.079	3.55	0
172	13.87	7.829	3.55	0
174	4.417	12.55	3.55	0
175	3.217	12.55	3.55	0
176	3.217	11.61	3.55	0
177	6.617	7.679	6.95	0
178	9.486	7.679	6.95	0
179	11.29	7.679	6.95	0
180	4.842	7.679	6.95	0
181	4.417	13.86	-1	0
182	5.644	13.8	-1	0
183	-0.3304	11.65	-1	0
184	4.417	11.6	-1	0
185	-0.184	6.079	-1	0
186	5.015	6.079	-1	0
187	11.29	6.079	-1	0
188	15.97	6.079	-1	0
189	16.02	2.999	-1	0
190	11.29	2.999	-1	0
191	5.015	2.999	-1	0
192	-0.1031	2.999	-1	0
193	5.015	0	-1	0
194	0	0	-1	0
195	11.29	0	-1	0

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

196	16.08	0	-1	0
197	11.29	11.53	-1	0
198	15.88	11.34	-1	0
199	5.644	11.59	-1	0
200	4.417	13.86	-0.3	0
201	5.644	13.8	-0.3	0
202	-0.3304	11.65	-0.3	0
203	4.417	11.6	-0.3	0
204	-0.184	6.079	-0.3	0
205	5.015	6.079	-0.3	0
206	11.29	6.079	-0.3	0
207	15.97	6.079	-0.3	0
208	16.02	2.999	-0.3	0
209	11.29	2.999	-0.3	0
210	5.015	2.999	-0.3	0
211	-0.1031	2.999	-0.3	0
212	5.015	0	-0.3	0
213	0	0	-0.3	0
214	11.29	0	-0.3	0
215	16.08	0	-0.3	0
216	11.29	11.53	-0.3	0
217	15.88	11.34	-0.3	0
218	5.644	11.59	-0.3	0
219	5.015	-2.05	3.55	0
220	11.29	-2.05	3.55	0
221	7.105	0	3.55	0
222	9.195	0	3.55	0
223	7.105	-2.05	3.55	0
224	9.195	-2.05	3.55	0
225	-0.2816	9.792	10.35	0
226	4.613	9.792	10.35	0
227	11.29	9.792	10.35	0
228	15.91	9.792	10.35	0
229	11.29	7.829	10.35	0
230	15.94	7.829	10.35	0
231	-0.23	7.829	10.35	0
232	4.826	7.829	10.35	0
234	6.617	7.679	10.35	0
235	9.486	7.679	10.35	0
237	11.29	7.679	10.35	0
238	4.842	7.679	10.35	0
239	6.617	11.58	10.35	0
240	9.486	11.55	10.35	0
241	10.87	6.079	10.35	0
242	10.87	7.679	10.35	0
243	9.666	6.079	10.35	0
244	9.666	7.679	10.35	0
245	5.015	-1.05	10.35	0
246	0	-1.05	10.35	0
247	11.29	-1.05	10.35	0
248	16.08	-1.05	10.35	0
249	0.32	7.829	10.35	0
251	0.32	6.079	10.35	0
252	0.32	2.999	10.35	0
253	0.32	0	10.35	0
254	4.265	6.079	10.35	0
257	4.265	7.829	10.35	0
258	4.265	2.999	10.35	0
259	4.265	0	10.35	0
260	11.79	0	10.35	0
261	15.59	0	10.35	0
264	11.79	7.829	10.35	0
265	11.79	6.079	10.35	0
266	11.79	2.999	10.35	0
267	15.59	7.829	10.35	0
268	15.59	6.079	10.35	0
269	15.59	2.999	10.35	0
277	11.29	11.53	1.85	0
279	11.29	11.53	5.25	0

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

280	4.842	7.679	-0.3	0
283	11.29	7.679	-0.3	0
284	5.644	11.59	1.85	0
285	5.644	11.59	5.25	0
286	11.29	8.079	-0.3	0
288	15.94	8.079	-0.3	0
289	13.67	6.079	-0.3	0
290	13.67	8.079	-0.3	0
291	5.363	6.079	6.95	0
292	5.712	6.079	6.95	0
293	6.06	6.079	6.95	0
294	6.408	6.079	6.95	0
295	6.757	6.079	6.95	0
296	7.105	6.079	6.95	0
297	7.454	6.079	6.95	0
298	7.802	6.079	6.95	0
299	8.15	6.079	6.95	0
300	8.499	6.079	6.95	0
301	8.847	6.079	6.95	0
302	9.195	6.079	6.95	0
303	9.544	6.079	6.95	0
304	9.892	6.079	6.95	0
305	10.24	6.079	6.95	0
306	10.59	6.079	6.95	0
307	10.94	6.079	6.95	0
308	5.363	2.999	6.95	0
309	5.712	2.999	6.95	0
310	6.06	2.999	6.95	0
311	6.408	2.999	6.95	0
312	6.757	2.999	6.95	0
313	7.105	2.999	6.95	0
314	7.454	2.999	6.95	0
315	7.802	2.999	6.95	0
316	8.15	2.999	6.95	0
317	8.499	2.999	6.95	0
318	8.847	2.999	6.95	0
319	9.195	2.999	6.95	0
320	9.544	2.999	6.95	0
321	9.892	2.999	6.95	0
322	10.24	2.999	6.95	0
323	10.59	2.999	6.95	0
324	10.94	2.999	6.95	0
325	5.363	0	6.95	0
326	5.712	0	6.95	0
327	6.06	0	6.95	0
328	6.408	0	6.95	0
329	6.757	0	6.95	0
330	7.105	0	6.95	0
331	7.454	0	6.95	0
332	7.802	0	6.95	0
333	8.15	0	6.95	0
334	8.499	0	6.95	0
335	8.847	0	6.95	0
336	9.195	0	6.95	0
337	9.544	0	6.95	0
338	9.892	0	6.95	0
339	10.24	0	6.95	0
340	10.59	0	6.95	0
341	10.94	0	6.95	0
342	0.8131	7.829	10.35	0
343	1.306	7.829	10.35	0
344	1.799	7.829	10.35	0
345	2.292	7.829	10.35	0
346	2.786	7.829	10.35	0
347	3.279	7.829	10.35	0
348	3.772	7.829	10.35	0
349	0.8131	6.079	10.35	0
350	1.306	6.079	10.35	0
351	1.799	6.079	10.35	0

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

352	2.292	6.079	10.35	0
353	2.786	6.079	10.35	0
354	3.279	6.079	10.35	0
355	3.772	6.079	10.35	0
356	0.8131	2.999	10.35	0
357	1.306	2.999	10.35	0
358	1.799	2.999	10.35	0
359	2.292	2.999	10.35	0
360	2.786	2.999	10.35	0
361	3.279	2.999	10.35	0
362	3.772	2.999	10.35	0
363	3.772	0	10.35	0
364	3.279	0	10.35	0
365	2.786	0	10.35	0
366	2.292	0	10.35	0
367	1.799	0	10.35	0
368	1.306	0	10.35	0
369	0.8131	0	10.35	0
370	12.26	7.829	10.35	0
371	12.74	7.829	10.35	0
372	13.21	7.829	10.35	0
373	13.69	7.829	10.35	0
374	14.16	7.829	10.35	0
375	14.64	7.829	10.35	0
376	15.11	7.829	10.35	0
377	12.26	6.079	10.35	0
378	12.74	6.079	10.35	0
379	13.21	6.079	10.35	0
380	13.69	6.079	10.35	0
381	14.16	6.079	10.35	0
382	14.64	6.079	10.35	0
383	15.11	6.079	10.35	0
384	12.26	0	10.35	0
385	12.74	0	10.35	0
386	13.21	0	10.35	0
387	13.69	0	10.35	0
388	14.16	0	10.35	0
389	14.64	0	10.35	0
390	15.11	0	10.35	0
391	15.11	2.999	10.35	0
392	14.64	2.999	10.35	0
393	14.16	2.999	10.35	0
394	13.69	2.999	10.35	0
395	13.21	2.999	10.35	0
396	12.74	2.999	10.35	0
397	12.26	2.999	10.35	0
398	6.617	11.15	10.35	0
399	6.617	10.71	10.35	0
400	6.617	10.28	10.35	0
401	6.617	9.847	10.35	0
402	6.617	9.413	10.35	0
403	6.617	8.979	10.35	0
404	6.617	8.546	10.35	0
405	6.617	8.112	10.35	0
406	9.486	11.12	10.35	0
407	9.486	10.69	10.35	0
408	9.486	10.26	10.35	0
409	9.486	9.83	10.35	0
410	9.486	9.399	10.35	0
411	9.486	8.969	10.35	0
412	9.486	8.539	10.35	0
413	9.486	8.109	10.35	0

*** SUPPORT / SPECIFIED DISPLACEMENT / POINT SPRING SUPPORT

** SUPPORT / SPECIFIED DISPLACEMENT

NODE	SUPPORT	SPECIFIED DISPLACEMENT

	DDDRRR	Dx	Dy	Dz	Rx	Ry	Rz
181	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
182	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
183	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
184	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
185	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
186	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
187	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
188	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
189	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
190	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
191	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
192	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
193	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
194	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
195	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
196	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
197	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
198	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
199	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

*** FLOOR DIAPHRAGM / RIGID LINK DATA

MASTER	DDDRRR	NODES OF SAME DISPLACEMENT
6F Floor Diaphragm		54to72 141to145 147to156 158 159 161 163 164 177to180 291to341
4F Floor Diaphragm		30to48 97 101to103 113to120 126to129 134to136 138to140 168to170 172 174to176 219to224

*** SECTION PROPERTY DATA

NO	NAME	SHAPE	H	B	tw	tf1	r1
1	C40X40	SB	0.4	0.4	0	0	0
2	V40X40	SB	0.4	0.4	0	0	0
3	V20X40	SB	0.4	0.2	0	0	0
4	IPE270	H	0.27	0.135	0.0066	0.0102	0.015
5	V30X40	SB	0.4	0.3	0	0	0
6	VC40X40	SB	0.4	0.4	0	0	0
7	VC20X40	SB	0.4	0.2	0	0	0
8	TB60X40X2	B	0.06	0.04	0.002	0.002	0

NO	NAME	STIFFNESS SCALE FACTOR							
		A	Asy	Asz	Ix	Iy	Iz	W	Boundary Group
1	C40X40								
2	V40X40								
3	V20X40								
4	IPE270								
5	V30X40								
6	VC40X40								
7	VC20X40								
8	TB60X40X2								

NO	NAME	AREA	MOMENT OF INERTIA			SHAPE FACTOR	
		[SRC:EQIV.]	Ix	Iy	Iz	k-Y	k-Z
1	C40X40	0.16	0.0036	0.002133	0.002133	0.8333	

0.8333						
2	V40X40	0.16	0.0036	0.002133	0.002133	0.8333
0.8333						
3	V20X40	0.08	0.0007324	0.001067	0.0002667	0.8333
0.8333						
4	IPE270	0.00459	1.204e-07	5.79e-05	4.2e-06	0.5
0.3882						
5	V30X40	0.12	0.001944	0.0016	0.0009	0.8333
0.8333						
6	VC40X40	0.16	0.0036	0.002133	0.002133	0.8333
0.8333						
7	VC20X40	0.08	0.0007324	0.001067	0.0002667	0.8333
0.8333						
8	TB60X40X2	0.000384	2.024e-07	1.932e-07	1.023e-07	0.4167
0.625						

NO	NAME	SECTION MODULUS Sy		SECTION MODULUS Sz	
		I or CONC.	J or STEEL	I or CONC.	J or STEEL
1	C40X40	0.01067	0.01067	0.01067	0.01067
2	V40X40	0.01067	0.01067	0.01067	0.01067
3	V20X40	0.005333	0.005333	0.002667	0.002667
4	IPE270	0.000429	0.000429	6.22e-05	6.22e-05
5	V30X40	0.008	0.008	0.006	0.006
6	VC40X40	0.01067	0.01067	0.01067	0.01067
7	VC20X40	0.005333	0.005333	0.002667	0.002667
8	TB60X40X2	6.438e-06	6.438e-06	5.114e-06	5.114e-06

*** BEAM MEMBER DATA

NO	NODAL CONNECTIVITY		BEAM END RELEASE		MATERIAL	SECTION	LENGTH
	I	J	I	J			
8	200	201	-	-	Grade C3500	VC40X40	1.229
10	202	203	-	-	Grade C3500	VC40X40	4.748
11	203	200	-	-	Grade C3500	VC40X40	2.257
12	202	204	-	-	Grade C3500	VC40X40	5.571
13	204	205	-	-	Grade C3500	VC40X40	5.199
14	205	280	-	-	Grade C3500	VC40X40	1.609
15	205	206	-	-	Grade C3500	VC40X40	6.271
16	206	289	-	-	Grade C3500	VC40X40	2.385
17	207	208	-	-	Grade C3500	VC40X40	3.08
18	208	209	-	-	Grade C3500	VC40X40	4.739
19	209	206	-	-	Grade C3500	VC40X40	3.079
20	210	209	-	-	Grade C3500	VC40X40	6.271
21	210	205	-	-	Grade C3500	VC40X40	3.079
22	204	211	-	-	Grade C3500	VC40X40	3.08
23	211	210	-	-	Grade C3500	VC40X40	5.118
24	210	212	-	-	Grade C3500	VC40X40	2.999
25	212	213	-	-	Grade C3500	VC40X40	5.015
26	213	211	-	-	Grade C3500	VC40X40	3.001
27	212	214	-	-	Grade C3500	VC40X40	6.271
28	214	209	-	-	Grade C3500	VC40X40	2.999
29	215	208	-	-	Grade C3500	VC40X40	3
30	214	215	-	-	Grade C3500	VC40X40	4.791
31	206	283	-	-	Grade C3500	VC40X40	1.6
32	217	288	-	-	Grade C3500	VC40X40	3.26
33	217	216	-	-	Grade C3500	VC40X40	4.597
34	218	203	-	-	Grade C3500	VC40X40	1.227
35	201	218	-	-	Grade C3500	VC40X40	2.204
36	218	216	-	-	Grade C3500	VC40X40	5.642
42	30	200	-	-	Grade C3500	C40X40	3.85
43	31	201	-	-	Grade C3500	C40X40	3.85
44	32	202	-	-	Grade C3500	C40X40	3.85
45	33	203	-	-	Grade C3500	C40X40	3.85
46	34	204	-	-	Grade C3500	C40X40	3.85
47	35	205	-	-	Grade C3500	C40X40	3.85

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

48	36	206	-	-	Grade C3500	C40X40	3.85
49	37	207	-	-	Grade C3500	C40X40	3.85
50	38	208	-	-	Grade C3500	C40X40	3.85
51	39	209	-	-	Grade C3500	C40X40	3.85
52	40	210	-	-	Grade C3500	C40X40	3.85
53	41	211	-	-	Grade C3500	C40X40	3.85
54	42	212	-	-	Grade C3500	C40X40	3.85
55	43	213	-	-	Grade C3500	C40X40	3.85
56	44	214	-	-	Grade C3500	C40X40	3.85
57	45	215	-	-	Grade C3500	C40X40	3.85
58	46	277	-	-	Grade C3500	C40X40	1.7
59	47	217	-	-	Grade C3500	C40X40	3.85
60	48	284	-	-	Grade C3500	C40X40	1.7
66	30	54	-	-	Grade C3500	C40X40	3.4
67	31	55	-	-	Grade C3500	C40X40	3.4
68	32	56	-	-	Grade C3500	C40X40	3.4
69	33	57	-	-	Grade C3500	C40X40	3.4
70	34	58	-	-	Grade C3500	C40X40	3.4
71	35	59	-	-	Grade C3500	C40X40	3.4
72	36	60	-	-	Grade C3500	C40X40	3.4
73	37	61	-	-	Grade C3500	C40X40	3.4
74	38	62	-	-	Grade C3500	C40X40	3.4
75	39	63	-	-	Grade C3500	C40X40	3.4
76	40	64	-	-	Grade C3500	C40X40	3.4
77	41	65	-	-	Grade C3500	C40X40	3.4
78	42	66	-	-	Grade C3500	C40X40	3.4
79	43	67	-	-	Grade C3500	C40X40	3.4
80	44	68	-	-	Grade C3500	C40X40	3.4
81	45	69	-	-	Grade C3500	C40X40	3.4
82	46	279	-	-	Grade C3500	C40X40	1.7
83	47	71	-	-	Grade C3500	C40X40	3.4
84	48	285	-	-	Grade C3500	C40X40	1.7
92	56	80	-	-	Grade C3500	C40X40	3.4
93	57	81	-	-	Grade C3500	C40X40	3.4
94	58	82	-	-	Grade C3500	C40X40	3.4
95	59	83	-	-	Grade C3500	C40X40	3.4
96	60	84	-	-	Grade C3500	C40X40	3.4
97	61	85	-	-	Grade C3500	C40X40	3.4
98	62	86	-	-	Grade C3500	C40X40	3.4
99	63	87	-	-	Grade C3500	C40X40	3.4
100	64	88	-	-	Grade C3500	C40X40	3.4
101	65	89	-	-	Grade C3500	C40X40	3.4
102	66	90	-	-	Grade C3500	C40X40	3.4
103	67	91	-	-	Grade C3500	C40X40	3.4
104	68	92	-	-	Grade C3500	C40X40	3.4
105	69	93	-	-	Grade C3500	C40X40	3.4
106	70	94	-	-	Grade C3500	C40X40	3.4
107	71	95	-	-	Grade C3500	C40X40	3.4
108	72	96	-	-	Grade C3500	C40X40	3.4
116	30	31	-	-	Grade C3500	V40X40	1.229
118	32	176	-	-	Grade C3500	V40X40	3.548
119	33	174	-	-	Grade C3500	V40X40	0.95
120	32	97	-	-	Grade C3500	V40X40	1.857
121	34	35	-	-	Grade C3500	V40X40	5.199
122	35	169	-	-	Grade C3500	V40X40	1.609
123	35	36	-	-	Grade C3500	V40X40	6.271
124	36	170	-	-	Grade C3500	V40X40	2.585
125	37	114	-	-	Grade C3500	V40X40	1.54
126	38	39	-	-	Grade C3500	V40X40	4.739
127	39	116	-	-	Grade C3500	V40X40	1.54
128	40	39	-	-	A572-50	IPE270	6.271
129	40	115	-	-	Grade C3500	V40X40	1.54
130	34	113	-	-	Grade C3500	V40X40	1.54
131	41	40	-	-	Grade C3500	V40X40	5.118
132	40	119	-	-	Grade C3500	V40X40	1.5
133	42	43	-	-	Grade C3500	V40X40	5.015
134	43	117	-	-	Grade C3500	V40X40	1.501
135	42	221	-	-	Grade C3500	V40X40	2.09
136	44	120	-	-	Grade C3500	V40X40	1.5

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

137	45	118	-	-	Grade C3500	V40X40	1.5
138	44	45	-	-	Grade C3500	V40X40	4.791
139	36	168	-	-	Grade C3500	V40X40	1.6
140	47	103	-	-	Grade C3500	V40X40	1.547
141	47	46	-	-	Grade C3500	V40X40	4.597
142	48	33	-	-	Grade C3500	V40X40	1.227
143	31	48	-	-	Grade C3500	V40X40	2.204
144	48	134	-	-	Grade C3500	V40X40	0.9727
152	54	55	-	-	Grade C3500	V40X40	1.229
154	56	57	-	-	Grade C3500	V40X40	4.748
155	57	54	-	-	Grade C3500	V40X40	2.257
156	56	141	-	-	Grade C3500	V40X40	1.857
157	58	59	-	-	Grade C3500	V40X40	5.199
158	59	180	-	-	Grade C3500	V40X40	1.609
159	59	291	-	-	Grade C3500	V40X40	0.3484
160	60	61	-	-	Grade C3500	V40X40	4.685
161	61	151	-	-	Grade C3500	V40X40	1.54
162	62	63	-	-	Grade C3500	V40X40	4.739
163	63	150	-	-	Grade C3500	V40X40	1.54
164	64	308	-	-	A572-50	IPE270	0.3484
165	64	149	-	-	Grade C3500	V40X40	1.54
166	58	148	-	-	Grade C3500	V40X40	1.54
167	65	64	-	-	Grade C3500	V40X40	5.118
168	64	153	-	-	Grade C3500	V40X40	1.5
169	66	67	-	-	Grade C3500	V40X40	5.015
170	67	152	-	-	Grade C3500	V40X40	1.501
171	66	325	-	-	Grade C3500	V40X40	0.3484
172	68	154	-	-	Grade C3500	V40X40	1.5
173	69	155	-	-	Grade C3500	V40X40	1.5
174	68	69	-	-	Grade C3500	V40X40	4.791
175	60	179	-	-	Grade C3500	V40X40	1.6
176	71	145	-	-	Grade C3500	V40X40	1.547
177	71	70	-	-	Grade C3500	V40X40	4.597
178	72	57	-	-	Grade C3500	V40X40	1.227
179	55	72	-	-	Grade C3500	V40X40	2.204
180	72	161	-	-	Grade C3500	V40X40	0.9727
190	80	81	-	-	Grade C3500	V40X40	4.748
192	80	225	-	-	Grade C3500	V40X40	1.857
193	82	251	-	-	Grade C3500	V40X40	0.504
194	83	238	-	-	Grade C3500	V40X40	1.609
195	83	243	-	-	Grade C3500	V40X40	4.651
196	84	265	-	-	Grade C3500	V40X40	0.5
197	85	86	-	-	Grade C3500	V40X40	3.08
198	86	269	-	-	Grade C3500	V40X40	0.4386
199	87	84	-	-	Grade C3500	V40X40	3.079
201	88	83	-	-	Grade C3500	V40X40	3.079
202	82	89	-	-	Grade C3500	V40X40	3.08
203	89	252	-	-	Grade C3500	V40X40	0.4231
204	88	90	-	-	Grade C3500	V40X40	2.999
205	90	259	-	-	Grade C3500	V40X40	0.75
206	91	89	-	-	Grade C3500	V40X40	3.001
208	92	87	-	-	Grade C3500	V40X40	2.999
209	93	86	-	-	Grade C3500	V40X40	3
210	92	260	-	-	Grade C3500	V40X40	0.5
211	84	237	-	-	Grade C3500	V40X40	1.6
212	95	228	-	-	Grade C3500	V40X40	1.547
213	95	94	-	-	Grade C3500	V40X40	4.597
214	96	81	-	-	Grade C3500	V40X40	1.227
216	96	239	-	-	Grade C3500	V40X40	0.9727
217	97	128	-	-	Grade C3500	V40X40	1.964
219	97	101	-	-	Grade C3500	V20X40	4.895
220	101	135	-	-	Grade C3500	V20X40	2.004
221	102	103	-	-	Grade C3500	V20X40	4.62
223	101	33	-	-	Grade C3500	V40X40	1.822
224	102	46	-	-	Grade C3500	V40X40	1.739
225	103	129	-	-	Grade C3500	V40X40	1.963
241	113	115	-	-	Grade C3500	V20X40	5.158
243	116	114	-	-	Grade C3500	V20X40	4.712
244	113	41	-	-	Grade C3500	V40X40	1.54

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

245	115	35	-	-	Grade C3500	V40X40	1.54
246	116	36	-	-	Grade C3500	V40X40	1.54
247	114	38	-	-	Grade C3500	V40X40	1.54
248	117	119	-	-	Grade C3500	V20X40	5.066
250	120	118	-	-	Grade C3500	V20X40	4.765
251	117	41	-	-	Grade C3500	V40X40	1.501
252	119	42	-	-	Grade C3500	V40X40	1.5
253	120	39	-	-	Grade C3500	V40X40	1.5
254	118	38	-	-	Grade C3500	V40X40	1.5
255	126	101	-	-	Grade C3500	V40X40	1.974
257	127	102	-	-	Grade C3500	V40X40	1.963
258	127	172	-	-	Grade C3500	V20X40	2.585
259	128	126	-	-	Grade C3500	V20X40	5.056
260	128	34	-	-	Grade C3500	V40X40	1.751
261	129	37	-	-	Grade C3500	V40X40	1.75
263	134	135	-	-	Grade C3500	V30X40	1.789
264	135	136	-	-	Grade C3500	V30X40	2.113
267	134	138	-	-	Grade C3500	V40X40	2.869
269	169	136	-	-	Grade C3500	V30X40	1.775
272	138	139	-	-	Grade C3500	V30X40	1.758
273	139	140	-	-	Grade C3500	V30X40	2.113
276	138	46	-	-	Grade C3500	V40X40	1.8
277	139	102	-	-	Grade C3500	V20X40	1.8
279	141	142	-	-	Grade C3500	V20X40	4.895
280	142	143	-	-	Grade C3500	V20X40	2.004
281	144	145	-	-	Grade C3500	V20X40	4.62
283	148	149	-	-	Grade C3500	V20X40	5.158
284	150	151	-	-	Grade C3500	V20X40	4.712
285	152	153	-	-	Grade C3500	V20X40	5.066
286	154	155	-	-	Grade C3500	V20X40	4.765
288	158	159	-	-	Grade C3500	V20X40	4.654
289	147	156	-	-	Grade C3500	V20X40	5.056
291	161	143	-	-	Grade C3500	V30X40	1.789
294	163	164	-	-	Grade C3500	V30X40	1.758
296	164	144	-	-	Grade C3500	V20X40	1.8
298	169	126	-	-	Grade C3500	V40X40	0.1509
300	168	127	-	-	Grade C3500	V40X40	0.15
302	172	170	-	-	Grade C3500	V30X40	1.75
303	172	129	-	-	Grade C3500	V20X40	2.069
304	170	37	-	-	Grade C3500	V40X40	2.1
305	175	176	-	-	Grade C3500	V20X40	0.9386
307	176	33	-	-	Grade C3500	V40X40	1.2
308	175	174	-	-	Grade C3500	V20X40	1.2
309	174	30	-	-	Grade C3500	V40X40	1.307
310	143	177	-	-	Grade C3500	V30X40	2.113
311	177	178	-	-	Grade C3500	V30X40	2.869
312	164	178	-	-	Grade C3500	V30X40	2.113
313	178	179	-	-	Grade C3500	V30X40	1.8
314	180	177	-	-	Grade C3500	V30X40	1.775
334	200	181	-	-	Grade C3500	C40X40	0.7
335	201	182	-	-	Grade C3500	C40X40	0.7
336	202	183	-	-	Grade C3500	C40X40	0.7
337	203	184	-	-	Grade C3500	C40X40	0.7
338	204	185	-	-	Grade C3500	C40X40	0.7
339	205	186	-	-	Grade C3500	C40X40	0.7
340	206	187	-	-	Grade C3500	C40X40	0.7
341	207	188	-	-	Grade C3500	C40X40	0.7
342	208	189	-	-	Grade C3500	C40X40	0.7
343	209	190	-	-	Grade C3500	C40X40	0.7
344	210	191	-	-	Grade C3500	C40X40	0.7
345	211	192	-	-	Grade C3500	C40X40	0.7
346	212	193	-	-	Grade C3500	C40X40	0.7
347	213	194	-	-	Grade C3500	C40X40	0.7
348	214	195	-	-	Grade C3500	C40X40	0.7
349	215	196	-	-	Grade C3500	C40X40	0.7
350	216	197	-	-	Grade C3500	C40X40	0.7
351	217	198	-	-	Grade C3500	C40X40	0.7
352	218	199	-	-	Grade C3500	C40X40	0.7
353	219	223	-	-	Grade C3500	V20X40	2.09

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

354	42	219	-	-	Grade C3500	V40X40	2.05
355	44	220	-	-	Grade C3500	V40X40	2.05
356	221	222	-	-	Grade C3500	V40X40	2.09
357	222	44	-	-	Grade C3500	V40X40	2.09
358	223	224	-	-	Grade C3500	V20X40	2.09
359	224	220	-	-	Grade C3500	V20X40	2.09
360	221	223	-	-	Grade C3500	V20X40	2.05
361	222	224	-	-	Grade C3500	V20X40	2.05
362	225	226	-	-	Grade C3500	V20X40	4.895
363	227	228	-	-	Grade C3500	V20X40	4.62
364	229	264	-	-	Grade C3500	V30X40	0.5
365	231	249	-	-	Grade C3500	V30X40	0.55
366	239	398	-	-	Grade C3500	V30X40	0.4336
367	234	235	-	-	Grade C3500	V30X40	2.869
368	240	406	-	-	Grade C3500	V30X40	0.4302
369	235	244	-	-	Grade C3500	V30X40	0.18
370	238	234	-	-	Grade C3500	V30X40	1.775
371	225	231	-	-	Grade C3500	V40X40	1.964
372	231	82	-	-	Grade C3500	V40X40	1.751
373	238	232	-	-	Grade C3500	V40X40	0.1509
374	232	226	-	-	Grade C3500	V40X40	1.974
375	226	81	-	-	Grade C3500	V40X40	1.822
376	237	229	-	-	Grade C3500	V40X40	0.15
377	229	227	-	-	Grade C3500	V40X40	1.963
378	227	94	-	-	Grade C3500	V40X40	1.739
379	228	230	-	-	Grade C3500	V40X40	1.963
380	230	85	-	-	Grade C3500	V40X40	1.75
381	239	240	-	-	Grade C3500	V40X40	2.869
382	240	94	-	-	Grade C3500	V40X40	1.8
383	241	242	-	-	Grade C3500	V20X40	1.6
384	243	244	-	-	Grade C3500	V20X40	1.6
385	243	241	-	-	Grade C3500	V40X40	1.2
386	241	84	-	-	Grade C3500	V40X40	0.42
387	244	242	-	-	Grade C3500	V30X40	1.2
388	242	237	-	-	Grade C3500	V30X40	0.42
389	90	92	-	-	Grade C3500	V40X40	6.271
390	91	246	-	-	Grade C3500	V40X40	1.05
391	90	245	-	-	Grade C3500	V40X40	1.05
392	92	247	-	-	Grade C3500	V40X40	1.05
393	93	248	-	-	Grade C3500	V40X40	1.05
394	246	245	-	-	Grade C3500	V20X40	5.015
395	245	247	-	-	Grade C3500	V20X40	6.271
396	247	248	-	-	Grade C3500	V20X40	4.791
397	136	140	-	-	Grade C3500	V30X40	2.869
398	140	168	-	-	Grade C3500	V30X40	1.8
399	141	147	-	-	Grade C3500	V40X40	1.964
400	147	58	-	-	Grade C3500	V40X40	1.751
401	180	156	-	-	Grade C3500	V40X40	0.1509
402	156	142	-	-	Grade C3500	V40X40	1.974
403	142	57	-	-	Grade C3500	V40X40	1.822
404	151	62	-	-	Grade C3500	V40X40	1.54
405	150	60	-	-	Grade C3500	V40X40	1.54
406	149	59	-	-	Grade C3500	V40X40	1.54
407	148	65	-	-	Grade C3500	V40X40	1.54
408	153	66	-	-	Grade C3500	V40X40	1.5
409	152	65	-	-	Grade C3500	V40X40	1.501
410	154	63	-	-	Grade C3500	V40X40	1.5
411	155	62	-	-	Grade C3500	V40X40	1.5
412	179	158	-	-	Grade C3500	V40X40	0.15
413	158	144	-	-	Grade C3500	V40X40	1.963
414	144	70	-	-	Grade C3500	V40X40	1.739
415	145	159	-	-	Grade C3500	V40X40	1.963
416	159	61	-	-	Grade C3500	V40X40	1.75
417	161	163	-	-	Grade C3500	V40X40	2.869
418	163	70	-	-	Grade C3500	V40X40	1.8
419	249	251	-	-	Grade C3500	V20X40	1.75
420	251	252	-	-	Grade C3500	V20X40	3.079
421	252	253	-	-	Grade C3500	V20X40	2.999
424	249	342	-	-	Grade C3500	V30X40	0.4931

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

425	251	349	-	-	Grade C3500	V40X40	0.4931
426	252	356	-	-	Grade C3500	V40X40	0.4931
427	253	91	-	-	Grade C3500	V40X40	0.32
429	254	258	-	-	Grade C3500	V20X40	3.079
430	257	254	-	-	Grade C3500	V20X40	1.75
431	257	232	-	-	Grade C3500	V30X40	0.5606
432	254	83	-	-	Grade C3500	V40X40	0.75
433	258	259	-	-	Grade C3500	V20X40	2.999
436	258	88	-	-	Grade C3500	V40X40	0.75
437	259	363	-	-	Grade C3500	V40X40	0.4931
439	264	265	-	-	Grade C3500	V20X40	1.75
440	265	266	-	-	Grade C3500	V20X40	3.079
441	266	260	-	-	Grade C3500	V20X40	2.999
442	264	370	-	-	Grade C3500	V30X40	0.475
443	265	377	-	-	Grade C3500	V40X40	0.475
444	266	87	-	-	Grade C3500	V40X40	0.5
445	260	384	-	-	Grade C3500	V40X40	0.475
447	267	268	-	-	Grade C3500	V20X40	1.75
448	268	269	-	-	Grade C3500	V20X40	3.079
449	269	261	-	-	Grade C3500	V20X40	2.999
450	267	230	-	-	Grade C3500	V30X40	0.3543
451	268	85	-	-	Grade C3500	V40X40	0.3848
452	269	391	-	-	Grade C3500	V40X40	0.475
453	261	93	-	-	Grade C3500	V40X40	0.4909
462	280	283	-	-	Grade C3500	VC40X40	6.444
463	280	203	-	-	Grade C3500	VC40X40	3.947
464	283	286	-	-	Grade C3500	VC40X40	0.4
466	277	216	-	-	Grade C3500	C40X40	2.15
468	279	70	-	-	Grade C3500	C40X40	1.7
469	285	279	-	-	Grade C3500	V40X40	5.642
470	284	277	-	-	Grade C3500	V40X40	5.642
471	285	72	-	-	Grade C3500	C40X40	1.7
472	284	218	-	-	Grade C3500	C40X40	2.15
473	286	290	-	-	Grade C3500	VC20X40	2.385
474	288	207	-	-	Grade C3500	VC40X40	2
476	286	216	-	-	Grade C3500	VC40X40	3.452
477	290	289	-	-	Grade C3500	VC20X40	2
478	290	288	-	-	Grade C3500	VC20X40	2.265
479	289	207	-	-	Grade C3500	VC40X40	2.3
480	291	292	-	-	Grade C3500	V40X40	0.3484
481	292	293	-	-	Grade C3500	V40X40	0.3484
482	293	294	-	-	Grade C3500	V40X40	0.3484
483	294	295	-	-	Grade C3500	V40X40	0.3484
484	295	296	-	-	Grade C3500	V40X40	0.3484
485	296	297	-	-	Grade C3500	V40X40	0.3484
486	297	298	-	-	Grade C3500	V40X40	0.3484
487	298	299	-	-	Grade C3500	V40X40	0.3484
488	299	300	-	-	Grade C3500	V40X40	0.3484
489	300	301	-	-	Grade C3500	V40X40	0.3484
490	301	302	-	-	Grade C3500	V40X40	0.3484
491	302	303	-	-	Grade C3500	V40X40	0.3484
492	303	304	-	-	Grade C3500	V40X40	0.3484
493	304	305	-	-	Grade C3500	V40X40	0.3484
494	305	306	-	-	Grade C3500	V40X40	0.3484
495	306	307	-	-	Grade C3500	V40X40	0.3484
496	307	60	-	-	Grade C3500	V40X40	0.3484
497	308	309	-	-	A572-50	IPE270	0.3484
498	309	310	-	-	A572-50	IPE270	0.3484
499	310	311	-	-	A572-50	IPE270	0.3484
500	311	312	-	-	A572-50	IPE270	0.3484
501	312	313	-	-	A572-50	IPE270	0.3484
502	313	314	-	-	A572-50	IPE270	0.3484
503	314	315	-	-	A572-50	IPE270	0.3484
504	315	316	-	-	A572-50	IPE270	0.3484
505	316	317	-	-	A572-50	IPE270	0.3484
506	317	318	-	-	A572-50	IPE270	0.3484
507	318	319	-	-	A572-50	IPE270	0.3484
508	319	320	-	-	A572-50	IPE270	0.3484
509	320	321	-	-	A572-50	IPE270	0.3484

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	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

510	321	322	-	-	A572-50	IPE270	0.3484
511	322	323	-	-	A572-50	IPE270	0.3484
512	323	324	-	-	A572-50	IPE270	0.3484
513	324	63	-	-	A572-50	IPE270	0.3484
514	325	326	-	-	Grade C3500	V40X40	0.3484
515	326	327	-	-	Grade C3500	V40X40	0.3484
516	327	328	-	-	Grade C3500	V40X40	0.3484
517	328	329	-	-	Grade C3500	V40X40	0.3484
518	329	330	-	-	Grade C3500	V40X40	0.3484
519	330	331	-	-	Grade C3500	V40X40	0.3484
520	331	332	-	-	Grade C3500	V40X40	0.3484
521	332	333	-	-	Grade C3500	V40X40	0.3484
522	333	334	-	-	Grade C3500	V40X40	0.3484
523	334	335	-	-	Grade C3500	V40X40	0.3484
524	335	336	-	-	Grade C3500	V40X40	0.3484
525	336	337	-	-	Grade C3500	V40X40	0.3484
526	337	338	-	-	Grade C3500	V40X40	0.3484
527	338	339	-	-	Grade C3500	V40X40	0.3484
528	339	340	-	-	Grade C3500	V40X40	0.3484
529	340	341	-	-	Grade C3500	V40X40	0.3484
530	341	68	-	-	Grade C3500	V40X40	0.3484
531	291	308	-	-	A500-50	TB60X40X2	3.079
532	308	325	-	-	A500-50	TB60X40X2	2.999
533	292	309	-	-	A500-50	TB60X40X2	3.079
534	309	326	-	-	A500-50	TB60X40X2	2.999
535	293	310	-	-	A500-50	TB60X40X2	3.079
536	310	327	-	-	A500-50	TB60X40X2	2.999
537	294	311	-	-	A500-50	TB60X40X2	3.079
538	311	328	-	-	A500-50	TB60X40X2	2.999
539	295	312	-	-	A500-50	TB60X40X2	3.079
540	312	329	-	-	A500-50	TB60X40X2	2.999
541	296	313	-	-	A500-50	TB60X40X2	3.079
542	313	330	-	-	A500-50	TB60X40X2	2.999
543	297	314	-	-	A500-50	TB60X40X2	3.079
544	314	331	-	-	A500-50	TB60X40X2	2.999
545	298	315	-	-	A500-50	TB60X40X2	3.079
546	315	332	-	-	A500-50	TB60X40X2	2.999
547	299	316	-	-	A500-50	TB60X40X2	3.079
548	316	333	-	-	A500-50	TB60X40X2	2.999
549	300	317	-	-	A500-50	TB60X40X2	3.079
550	317	334	-	-	A500-50	TB60X40X2	2.999
551	301	318	-	-	A500-50	TB60X40X2	3.079
552	318	335	-	-	A500-50	TB60X40X2	2.999
553	302	319	-	-	A500-50	TB60X40X2	3.079
554	319	336	-	-	A500-50	TB60X40X2	2.999
555	303	320	-	-	A500-50	TB60X40X2	3.079
556	320	337	-	-	A500-50	TB60X40X2	2.999
557	304	321	-	-	A500-50	TB60X40X2	3.079
558	321	338	-	-	A500-50	TB60X40X2	2.999
559	305	322	-	-	A500-50	TB60X40X2	3.079
560	322	339	-	-	A500-50	TB60X40X2	2.999
561	306	323	-	-	A500-50	TB60X40X2	3.079
562	323	340	-	-	A500-50	TB60X40X2	2.999
563	307	324	-	-	A500-50	TB60X40X2	3.079
564	324	341	-	-	A500-50	TB60X40X2	2.999
565	342	343	-	-	Grade C3500	V30X40	0.4931
566	343	344	-	-	Grade C3500	V30X40	0.4931
567	344	345	-	-	Grade C3500	V30X40	0.4931
568	345	346	-	-	Grade C3500	V30X40	0.4931
569	346	347	-	-	Grade C3500	V30X40	0.4931
570	347	348	-	-	Grade C3500	V30X40	0.4931
571	348	257	-	-	Grade C3500	V30X40	0.4931
572	349	350	-	-	Grade C3500	V40X40	0.4931
573	350	351	-	-	Grade C3500	V40X40	0.4931
574	351	352	-	-	Grade C3500	V40X40	0.4931
575	352	353	-	-	Grade C3500	V40X40	0.4931
576	353	354	-	-	Grade C3500	V40X40	0.4931
577	354	355	-	-	Grade C3500	V40X40	0.4931
578	355	254	-	-	Grade C3500	V40X40	0.4931

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

579	356	357	-	-	Grade C3500	V40X40	0.4931
580	357	358	-	-	Grade C3500	V40X40	0.4931
581	358	359	-	-	Grade C3500	V40X40	0.4931
582	359	360	-	-	Grade C3500	V40X40	0.4931
583	360	361	-	-	Grade C3500	V40X40	0.4931
584	361	362	-	-	Grade C3500	V40X40	0.4931
585	362	258	-	-	Grade C3500	V40X40	0.4931
586	363	364	-	-	Grade C3500	V40X40	0.4931
587	364	365	-	-	Grade C3500	V40X40	0.4931
588	365	366	-	-	Grade C3500	V40X40	0.4931
589	366	367	-	-	Grade C3500	V40X40	0.4931
590	367	368	-	-	Grade C3500	V40X40	0.4931
591	368	369	-	-	Grade C3500	V40X40	0.4931
592	369	253	-	-	Grade C3500	V40X40	0.4931
593	370	371	-	-	Grade C3500	V30X40	0.475
594	371	372	-	-	Grade C3500	V30X40	0.475
595	372	373	-	-	Grade C3500	V30X40	0.475
596	373	374	-	-	Grade C3500	V30X40	0.475
597	374	375	-	-	Grade C3500	V30X40	0.475
598	375	376	-	-	Grade C3500	V30X40	0.475
599	376	267	-	-	Grade C3500	V30X40	0.475
600	377	378	-	-	Grade C3500	V40X40	0.475
601	378	379	-	-	Grade C3500	V40X40	0.475
602	379	380	-	-	Grade C3500	V40X40	0.475
603	380	381	-	-	Grade C3500	V40X40	0.475
604	381	382	-	-	Grade C3500	V40X40	0.475
605	382	383	-	-	Grade C3500	V40X40	0.475
606	383	268	-	-	Grade C3500	V40X40	0.475
607	384	385	-	-	Grade C3500	V40X40	0.475
608	385	386	-	-	Grade C3500	V40X40	0.475
609	386	387	-	-	Grade C3500	V40X40	0.475
610	387	388	-	-	Grade C3500	V40X40	0.475
611	388	389	-	-	Grade C3500	V40X40	0.475
612	389	390	-	-	Grade C3500	V40X40	0.475
613	390	261	-	-	Grade C3500	V40X40	0.475
614	391	392	-	-	Grade C3500	V40X40	0.475
615	392	393	-	-	Grade C3500	V40X40	0.475
616	393	394	-	-	Grade C3500	V40X40	0.475
617	394	395	-	-	Grade C3500	V40X40	0.475
618	395	396	-	-	Grade C3500	V40X40	0.475
619	396	397	-	-	Grade C3500	V40X40	0.475
620	397	266	-	-	Grade C3500	V40X40	0.475
621	398	399	-	-	Grade C3500	V30X40	0.4336
622	399	400	-	-	Grade C3500	V30X40	0.4336
623	400	401	-	-	Grade C3500	V30X40	0.4336
624	401	402	-	-	Grade C3500	V30X40	0.4336
625	402	403	-	-	Grade C3500	V30X40	0.4336
626	403	404	-	-	Grade C3500	V30X40	0.4336
627	404	405	-	-	Grade C3500	V30X40	0.4336
628	405	234	-	-	Grade C3500	V30X40	0.4336
629	406	407	-	-	Grade C3500	V30X40	0.4302
630	407	408	-	-	Grade C3500	V30X40	0.4302
631	408	409	-	-	Grade C3500	V30X40	0.4302
632	409	410	-	-	Grade C3500	V30X40	0.4302
633	410	411	-	-	Grade C3500	V30X40	0.4302
634	411	412	-	-	Grade C3500	V30X40	0.4302
635	412	413	-	-	Grade C3500	V30X40	0.4302
636	413	235	-	-	Grade C3500	V30X40	0.4302
637	342	349	-	-	A500-50	TB60X40X2	1.75
638	349	356	-	-	A500-50	TB60X40X2	3.079
639	356	369	-	-	A500-50	TB60X40X2	2.999
640	343	350	-	-	A500-50	TB60X40X2	1.75
641	350	357	-	-	A500-50	TB60X40X2	3.079
642	357	368	-	-	A500-50	TB60X40X2	2.999
643	344	351	-	-	A500-50	TB60X40X2	1.75
644	351	358	-	-	A500-50	TB60X40X2	3.079
645	358	367	-	-	A500-50	TB60X40X2	2.999
646	345	352	-	-	A500-50	TB60X40X2	1.75
647	352	359	-	-	A500-50	TB60X40X2	3.079

648	359	366	-	-	A500-50	TB60X40X2	2.999
649	346	353	-	-	A500-50	TB60X40X2	1.75
650	353	360	-	-	A500-50	TB60X40X2	3.079
651	360	365	-	-	A500-50	TB60X40X2	2.999
652	347	354	-	-	A500-50	TB60X40X2	1.75
653	354	361	-	-	A500-50	TB60X40X2	3.079
654	361	364	-	-	A500-50	TB60X40X2	2.999
655	348	355	-	-	A500-50	TB60X40X2	1.75
656	355	362	-	-	A500-50	TB60X40X2	3.079
657	362	363	-	-	A500-50	TB60X40X2	2.999
658	370	377	-	-	A500-50	TB60X40X2	1.75
659	371	378	-	-	A500-50	TB60X40X2	1.75
660	372	379	-	-	A500-50	TB60X40X2	1.75
661	373	380	-	-	A500-50	TB60X40X2	1.75
662	374	381	-	-	A500-50	TB60X40X2	1.75
663	375	382	-	-	A500-50	TB60X40X2	1.75
664	376	383	-	-	A500-50	TB60X40X2	1.75
665	377	397	-	-	A500-50	TB60X40X2	3.079
666	378	396	-	-	A500-50	TB60X40X2	3.079
667	379	395	-	-	A500-50	TB60X40X2	3.079
668	380	394	-	-	A500-50	TB60X40X2	3.079
669	381	393	-	-	A500-50	TB60X40X2	3.079
670	382	392	-	-	A500-50	TB60X40X2	3.079
671	383	391	-	-	A500-50	TB60X40X2	3.079
672	397	384	-	-	A500-50	TB60X40X2	2.999
673	396	385	-	-	A500-50	TB60X40X2	2.999
674	395	386	-	-	A500-50	TB60X40X2	2.999
675	394	387	-	-	A500-50	TB60X40X2	2.999
676	393	388	-	-	A500-50	TB60X40X2	2.999
677	392	389	-	-	A500-50	TB60X40X2	2.999
678	391	390	-	-	A500-50	TB60X40X2	2.999
679	405	413	-	-	A500-50	TB60X40X2	2.869
680	404	412	-	-	A500-50	TB60X40X2	2.869
681	403	411	-	-	A500-50	TB60X40X2	2.869
682	402	410	-	-	A500-50	TB60X40X2	2.869
683	401	409	-	-	A500-50	TB60X40X2	2.869
684	400	408	-	-	A500-50	TB60X40X2	2.869
685	399	407	-	-	A500-50	TB60X40X2	2.869
686	398	406	-	-	A500-50	TB60X40X2	2.869

*** TOTAL WEIGHT / VOLUME / SURFACE AREA SUMMARY

SECTION NO	SECION NAME	SURFACE AREA	VOLUME	WEIGHT	FRAME NUMBER	TRUSS NUMBER
1	C40X40	334.2	33.42	787.4	78	0
2	V40X40	551	55.1	1298	233	0
3	V20X40	189.7	12.65	298	47	0
4	IPE270	13.38	0.05757	4.438	19	0
5	V30X40	75.76	6.494	153	58	0
6	VC40X40	196.6	19.66	463.2	34	0
7	VC20X40	7.98	0.532	12.54	3	0
8	TB60X40X2	90.58	0.09058	6.983	84	0

*** LOAD DATA

; Self Weight, Nodal Load, Specified Displacement, Beam Load, Floor Load, Finishing Material Load,
System Temperature, Nodal Temperature, Element Temperature, Beam Section Temperature,
Wind Load, Static Seismic Load, Time History Analysis Data

** FLOOR LOAD TYPE DATA

NAME	LOADCASE NAME	LOAD	SUB-BEAM WEIGHT
SALA DE REU	D	-5.04	Consider

	L	-2	Do not consider
SALA CIRU Y LAB	D	-5.04	Consider
	L	-4	Do not consider
CUB LIV	D	-0.56	Consider
	LR	-0.5	Do not consider
	W	-0.4	Do not consider
	WN	0.51	Do not consider
	G O E	-1	Do not consider
CUB LOSA	D	-4	Consider
	LR	-1.8	Do not consider
	G O E	-1	Do not consider
TANQ	D	-7.73	Consider
	LR	-2	Do not consider

** FLOOR LOAD DATA

LOAD TYPE	DISTRIBUTION	DIR.	PROJ	NUMBER	SUB-BEAM ANGLE	UNIT-W	NODE LIST
CUB LIV	One Way	GZ	NO	0	0	0	238 244 243 83
SALA DE REU	One Way	GZ	NO	0	0	0	54 55 72 57
SALA DE REU	One Way	GZ	NO	0	0	0	70 71 145 159 61 60 179 158 144
SALA CIRU Y LAB	One Way	GZ	NO	0	0	0	169 168 36 35
CUB LIV	One Way	GZ	NO	0	0	0	64 63 68 66
SALA DE REU	One Way	GZ	NO	0	0	0	39 38 45 44
CUB LIV	One Way	GZ	NO	0	0	0	242 237 84 241
SALA DE REU	One Way	GZ	NO	0	0	0	41 40 42 43
CUB LIV	One Way	GZ	NO	0	0	0	59 60 63 64
SALA DE REU	One Way	GZ	NO	0	0	0	60 61 62 63
SALA DE REU	One Way	GZ	NO	0	0	0	175 174 33 176
CUB LIV	One Way	GZ	NO	0	0	0	239 240 235 234
SALA DE REU	One Way	GZ	NO	0	0	0	36 37 38 39
CUB LIV	One Way	GZ	NO	0	0	0	91 93 248 246
SALA DE REU	One Way	GZ	NO	0	0	0	34 35 40 41
TANQ	One Way	GZ	NO	0	0	0	80 81 226 232 231 225
SALA DE REU	One Way	GZ	NO	0	0	0	63 62 69 68
SALA DE REU	One Way	GZ	NO	0	0	0	30 31 48 33
CUB LIV	One Way	GZ	NO	0	0	0	249 257 259 253
SALA DE REU	One Way	GZ	NO	0	0	0	127 172 170 36
CUB LOSA	One Way	GZ	NO	0	0	0	231 249 253 91 89 82
SALA DE REU	One Way	GZ	NO	0	0	0	128 126 169 35 34
TANQ	One Way	GZ	NO	0	0	0	94 95 228 230 229 227
SALA CIRU Y LAB	One Way	GZ	NO	0	0	0	180 179 60 59
SALA DE REU	One Way	GZ	NO	0	0	0	65 64 66 67 152
CUB LIV	One Way	GZ	NO	0	0	0	264 267 261 260
SALA DE REU	One Way	GZ	NO	0	0	0	46 47 129 127
CUB LOSA	One Way	GZ	NO	0	0	0	257 232 238 83 88 90 259 258 254
SALA DE REU	One Way	GZ	NO	0	0	0	97 101 126 128
CUB LIV	One Way	GZ	NO	0	0	0	81 96 239 234 238 232 226
SALA DE REU	One Way	GZ	NO	0	0	0	57 72 161 143 177 180 156 142
SALA DE REU	One Way	GZ	NO	0	0	0	58 59 149 64 65 148
SALA DE REU	One Way	GZ	NO	0	0	0	33 48 134 135 136 169 126 101
CUB LOSA	One Way	GZ	NO	0	0	0	229 264 265 266 260 92 87 84
SALA DE REU	One Way	GZ	NO	0	0	0	32 176 33 101 97
CUB LIV	One Way	GZ	NO	0	0	0	240 94 227 237 235
SALA DE REU	One Way	GZ	NO	0	0	0	163 70 144 158 179 178 164
SALA DE REU	One Way	GZ	NO	0	0	0	56 57 142 156 180 59 58 147 141
SALA DE REU	One Way	GZ	NO	0	0	0	138 46 102 168 140 139
CUB LOSA	One Way	GZ	NO	0	0	0	267 230 85 86 93 261 269 268
CUB LOSA	One Way	GZ	NO	0	0	0	42 44 220 219

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

[LOAD CASE : D]

** BEAM LOAD DATA

MEMBER	TYPE	DIR.	PROJ.	D1	P1	D2	P2	D3	P3	D4	P4
116	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
118	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0	0
119	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0	0
120	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
123	Uniform Load	GZ	NO	0	-1.4	1	-1.4	0	0	0	0
125	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
127	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
128	Uniform Load	GZ	NO	0	-1.4	1	-1.4	0	0	0	0
129	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
130	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
132	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0	0
133	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
134	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
135	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0	0
136	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0	0
137	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
138	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
140	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
141	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
142	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0	0
143	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
144	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0	0
190	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
192	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
195	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
197	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
199	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
201	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
202	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

204	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
206	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
208	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
209	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
212	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
213	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
214	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
216	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
217	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
225	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
244	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
245	Uniform Load	GZ	NO	0	-1.4	1	-1.4	0	0	0
246	Uniform Load	GZ	NO	0	-1.4	1	-1.4	0	0	0
247	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
251	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
252	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0
253	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0
254	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
260	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
261	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
263	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
264	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
267	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
272	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
273	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
276	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
307	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0
309	Uniform Load	GZ	NO	0	-5.82	1	-5.82	0	0	0
311	Uniform Load	GZ	NO	0	-17.5	1	-17.5	0	0	0
356	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0
357	Uniform Load	GZ	NO	0	-2.98	1	-2.98	0	0	0
371	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
372	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
379	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0
380	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0

0											
381	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
382	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
385	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
386	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
389	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
390	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
393	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
394	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
395	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
396	Uniform Load	GZ	NO	0	-0.45	1	-0.45	0	0	0	0
397	Uniform Load	GZ	NO	0	-17.5	1	-17.5	0	0	0	0
469	Uniform Load	GZ	NO	0.17	-17.5	0.68	-17.5	0	0	0	0
470	Uniform Load	GZ	NO	0.17	-17.5	0.68	-17.5	0	0	0	0

[LOAD CASE : L]

** BEAM LOAD DATA

MEMBER	TYPE	DIR.	PROJ.	D1	P1	D2	P2	D3	P3	D4	P4
311	Uniform Load	GZ	NO	0	-11.1	1	-11.1	0	0	0	0
397	Uniform Load	GZ	NO	0	-11.1	1	-11.1	0	0	0	0
469	Uniform Load	GZ	NO	0.17	-11.1	0.68	-11.1	0	0	0	0
470	Uniform Load	GZ	NO	0.17	-11.1	0.68	-11.1	0	0	0	0

[LOAD CASE : FHEX]

** STATIC SEISMIC LOAD DATA : CODE , NSR-10

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* MASS GENERATION DATA FOR LATERAL ANALYSIS OF BUILDING [UNIT: kN, m]

STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)	ROTATIONAL MASS	CENTER OF MASS (X-COORD)	CENTER OF MASS (Y-COORD)
Roof	0.0	0.0	0.0	0.0	0.0
6F	157.297213	157.297213	6937.08033	7.75655056	6.21092557
5F	0.0	0.0	0.0	0.0	0.0
4F	208.230748	208.230748	9871.19369	7.71080117	6.02745987
3F	0.0	0.0	0.0	0.0	0.0
2F	0.0	0.0	0.0	0.0	0.0
1F	0.0	0.0	0.0	0.0	0.0

TOTAL :	365.527962	365.527962			

* ADDITIONAL MASSES FOR THE CALCULATION OF EQUIVALENT SEISMIC FORCE

Note. The following masses are between two adjacent stories or on the nodes released from floor rigid diaphragm by *Diaphragm Disconnect command. The masses are proportionally distributed to upper/lower stories according to their vertical locations. For dynamic analysis, however, floor masses and masses on vertical elements remain at their original locations.

STORY NAME	TRANSLATIONAL MASS (X-DIR)	(Y-DIR)
Roof	116.377529	116.377529
6F	0.0	0.0
5F	8.59587063	8.59587063
4F	0.0	0.0
3F	8.76888163	8.76888163
2F	64.4813738	64.4813738
1F	2.55671701	2.55671701
TOTAL :	200.780372	200.780372

* EQUIVALENT SEISMIC LOAD IN ACCORDANCE WITH NSR-10 [UNIT: kN, m]

Site Class	: E
Effective Peak Acceleration(Aa)	: 0.15000
Effective Peak Velocity (Av)	: 0.20000
Site Coefficient at Short Periods (Fa)	: 2.10000
Site Coefficient at 1 s Period (Fv)	: 3.20000
Importance Factor (I)	: 1.10
Period Coefficient for Upper Limit (Cu)	: 1.2000
Fundamental Period Associated with X-dir. (Tx)	: 0.4184
Fundamental Period Associated with Y-dir. (Ty)	: 0.4184
Basic Ductility Factor for X-dir. (Rx0)	: 1.00000
Basic Ductility Factor for Y-dir. (Ry0)	: 1.00000
Reduction Factor of Irregularity for X-dir. (Phix)	: 1.00000
Reduction Factor of Irregularity for Y-dir. (Phiy)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Total Effective Weight For X-dir. Seismic Loads (Wx)	: 4895.844004
Total Effective Weight For Y-dir. Seismic Loads (Wy)	: 4895.844004
Scale Factor For X-directional Seismic Loads	: 1.00
Scale Factor For Y-directional Seismic Loads	: 0.00
Accidental Eccentricity For X-direction (Ex)	: Positive
Accidental Eccentricity For Y-direction (Ey)	: Positive
Torsional Amplification for Accidental Eccentricity	: Do not Consider
Torsional Amplification for Inherent Eccentricity	: Do not Consider
Total Base Shear Of Model For X-direction	: 4241.024868
Total Base Shear Of Model For Y-direction	: 0.000000
Summation Of Wi*Hi^k Of Model For X-direction	: 30381.860831
Summation Of Wi*Hi^k Of Model For Y-direction	: 0.000000

ECCENTRICITY RELATED DATA

X - D I R E C T I O N A L L O A D Y - D I R E C T I O N A L L O A D

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

STORY NAME	ACCIDENTAL ECCENT.	INHERENT ECCENT.	ACCIDENTAL AMP.FACTOR	INHERENT AMP.FACTOR	ACCIDENTAL ECCENT.	INHERENT ECCENT.	ACCIDENTAL AMP.FACTOR	INHERENT AMP.FACTOR
Roof	-0.634913	0.0	1.0	0.0	0.8203542	0.0	1.0	0.0
6F	-0.6930042	0.0	1.0	0.0	0.8203542	0.0	1.0	0.0
5F	-0.0030152	0.0	1.0	0.0	0.2820639	0.0	1.0	0.0
4F	-0.7955042	0.0	1.0	0.0	0.8203542	0.0	1.0	0.0
3F	-0.0030152	0.0	1.0	0.0	0.2820639	0.0	1.0	0.0

The accidental amplification factors are automatically set to 1.0 when torsional amplification effect
to accidental eccentricity is not considered.
The inherent amplification factors are automatically set to 0 when torsional amplification effect
to inherent eccentricity is not considered.
The inherent amplification factors are all set to 'the input value - 1.0'.(This is to exclude the true
inherent torsion)

** Story Force , Seismic Force x Scale Factor + Added Force

S E I S M I C L O A D G E N E R A T I O N D A T A X - D I R E C T I O N

STORY NAME	STORY WEIGHT	STORY LEVEL	SEISMIC FORCE	ADDED FORCE	STORY FORCE	STORY SHEAR	OVERTURN. MOMENT	ACCIDENT. TORSION	INHERENT TORSION	TOTAL TORSION
Roof	1141.198	10.35	1648.761	0.0	1648.761	0.0	0.0	1046.82	0.0	1046.82
6F	1542.456	6.95	1496.422	0.0	1496.422	1648.761	5605.789	1037.027	0.0	1037.027
5F	84.29111	5.25	61.77283	0.0	61.77283	3145.184	10952.6	0.186256	0.0	0.186256
4F	2041.911	3.55	1011.863	0.0	1011.863	3206.957	16404.43	804.9409	0.0	804.9409
3F	85.98765	1.85	22.20569	0.0	22.20569	4218.819	23576.42	0.066954	0.0	0.066954
G.L.	--	0.0	--	--	--	4241.025	31422.32	---	---	---

S E I S M I C L O A D G E N E R A T I O N D A T A Y - D I R E C T I O N

STORY NAME	STORY WEIGHT	STORY LEVEL	SEISMIC FORCE	ADDED FORCE	STORY FORCE	STORY SHEAR	OVERTURN. MOMENT	ACCIDENT. TORSION	INHERENT TORSION	TOTAL TORSION

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-------
      Roof 1141.198   10.35 1648.761      0.0      0.0      0.0      0.0      0.0      0.0
    0.0
        6F 1542.456    6.95 1496.422      0.0      0.0      0.0      0.0      0.0      0.0
    0.0
        5F 84.29111    5.25 61.77283      0.0      0.0      0.0      0.0      0.0      0.0
    0.0
        4F 2041.911    3.55 1011.863      0.0      0.0      0.0      0.0      0.0      0.0
    0.0
        3F 85.98765    1.85 22.20569      0.0      0.0      0.0      0.0      0.0      0.0
    0.0
      G.L.    --        0.0    --       --       --       0.0      0.0    ---      ---
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 COMMENTS ABOUT TORSION
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If torsional amplification effects are considered :
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Accidental Torsion , Story Force * Accidental Eccentricity * Amp. Factor for Accidental Eccentri
city
Inherent Torsion   , Story Force * Inherent Eccentricity * Amp. Factor for Inherent Eccentricity


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If torsional amplification effects are not considered :
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-------
Accidental Torsion , Story Force * Accidental Eccentricity
Inherent Torsion   , 0

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The inherent torsion above is the additional torsion due to torsional amplification effect.
The true inherent torsion is considered automatically in analysis stage when the seismic force i
s
applied to the structure.
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 [ LOAD CASE : FHEY ]


 ** STATIC SEISMIC LOAD DATA : CODE , NSR-10

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* MASS GENERATION DATA FOR LATERAL ANALYSIS OF BUILDING         [UNIT: kN, m]
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STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)	ROTATIONAL MASS	CENTER OF MASS (X-COORD)	CENTER OF MASS (Y-COORD)
Roof	0.0	0.0	0.0	0.0	0.0
6F	157.297213	157.297213	6937.08033	7.75655056	6.21092557
5F	0.0	0.0	0.0	0.0	0.0
4F	208.230748	208.230748	9871.19369	7.71080117	6.02745987
3F	0.0	0.0	0.0	0.0	0.0
2F	0.0	0.0	0.0	0.0	0.0

1F	0.0	0.0	0.0	0.0	0.0
TOTAL :	365.527962	365.527962			

* ADDITIONAL MASSES FOR THE CALCULATION OF EQUIVALENT SEISMIC FORCE

Note. The following masses are between two adjacent stories or on the nodes released from floor rigid diaphragm by *Diaphragm Disconnect command. The masses are proportionally distributed to upper/lower stories according to their vertical locations. For dynamic analysis, however, floor masses and masses on vertical elements remain at their original locations.

STORY NAME	TRANSLATIONAL MASS (X-DIR)	(Y-DIR)
Roof	116.377529	116.377529
6F	0.0	0.0
5F	8.59587063	8.59587063
4F	0.0	0.0
3F	8.76888163	8.76888163
2F	64.4813738	64.4813738
1F	2.55671701	2.55671701
TOTAL :	200.780372	200.780372

* EQUIVALENT SEISMIC LOAD IN ACCORDANCE WITH NSR-10 [UNIT: kN, m]

Site Class	: E
Effective Peak Acceleration(Aa)	: 0.15000
Effective Peak Velocity (Av)	: 0.20000
Site Coefficient at Short Periods (Fa)	: 2.10000
Site Coefficient at 1 s Period (Fv)	: 3.20000
Importance Factor (I)	: 1.10
Period Coefficient for Upper Limit (Cu)	: 1.2000
Fundamental Period Associated with X-dir. (Tx)	: 0.4184
Fundamental Period Associated with Y-dir. (Ty)	: 0.4184
Basic Ductility Factor for X-dir. (Rx0)	: 1.00000
Basic Ductility Factor for Y-dir. (Ry0)	: 1.00000
Reduction Factor of Irregularity for X-dir. (Phix)	: 1.00000
Reduction Factor of Irregularity for Y-dir. (Phiy)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Total Effective Weight For X-dir. Seismic Loads (Wx)	: 4895.844004
Total Effective Weight For Y-dir. Seismic Loads (Wy)	: 4895.844004
Scale Factor For X-directional Seismic Loads	: 0.00
Scale Factor For Y-directional Seismic Loads	: 1.00
Accidental Eccentricity For X-direction (Ex)	: Positive
Accidental Eccentricity For Y-direction (Ey)	: Positive
Torsional Amplification for Accidental Eccentricity	: Do not Consider
Torsional Amplification for Inherent Eccentricity	: Do not Consider
Total Base Shear Of Model For X-direction	: 0.000000
Total Base Shear Of Model For Y-direction	: 4241.024868
Summation Of Wi*Hi^k Of Model For X-direction	: 0.000000
Summation Of Wi*Hi^k Of Model For Y-direction	: 30381.860831

ECCENTRICITY RELATED DATA

X - D I R E C T I O N A L L O A D Y - D I R E C T I O N A L L O A

D

STORY NAME	ACCIDENTAL ECCENT.	INHERENT ECCENT.	ACCIDENTAL AMP.FACTOR	INHERENT AMP.FACTOR	ACCIDENTAL ECCENT.	INHERENT ECCENT.	ACCIDENTAL AMP.FACTOR	INHERENT AMP.FACTOR
Roof	-0.634913	0.0	1.0	0.0	0.8203542	0.0	1.0	0.0
6F	-0.6930042	0.0	1.0	0.0	0.8203542	0.0	1.0	0.0
5F	-0.0030152	0.0	1.0	0.0	0.2820639	0.0	1.0	0.0
4F	-0.7955042	0.0	1.0	0.0	0.8203542	0.0	1.0	0.0
3F	-0.0030152	0.0	1.0	0.0	0.2820639	0.0	1.0	0.0

The accidental amplification factors are automatically set to 1.0 when torsional amplification effect
to accidental eccentricity is not considered.
The inherent amplification factors are automatically set to 0 when torsional amplification effect
to inherent eccentricity is not considered.
The inherent amplification factors are all set to 'the input value - 1.0'.(This is to exclude the true
inherent torsion)

** Story Force , Seismic Force x Scale Factor + Added Force

S E I S M I C L O A D G E N E R A T I O N D A T A X - D I R E C T I O N

STORY NAME	STORY WEIGHT	STORY LEVEL	SEISMIC FORCE	ADDED FORCE	STORY FORCE	STORY SHEAR	OVERTURN. MOMENT	ACCIDENT. TORSION	INHERENT TORSION	TOTAL TORSION
Roof	1141.198	10.35	1648.761	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6F	1542.456	6.95	1496.422	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5F	84.29111	5.25	61.77283	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4F	2041.911	3.55	1011.863	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3F	85.98765	1.85	22.20569	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G.L.	--	0.0	--	--	--	0.0	0.0	---	---	---

S E I S M I C L O A D G E N E R A T I O N D A T A Y - D I R E C T I O N

STORY NAME	STORY WEIGHT	STORY LEVEL	SEISMIC FORCE	ADDED FORCE	STORY FORCE	STORY SHEAR	OVERTURN. MOMENT	ACCIDENT. TORSION	INHERENT TORSION	TOTAL TORSION

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

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      Roof 1141.198   10.35 1648.761      0.0 1648.761      0.0       0.0  1352.568       0.0  1
352.568
        6F 1542.456    6.95 1496.422      0.0 1496.422 1648.761  5605.789  1227.596       0.0  1
227.596
        5F 84.29111    5.25 61.77283      0.0 61.77283 3145.184   10952.6  17.42389       0.0  1
7.42389
        4F 2041.911    3.55 1011.863      0.0 1011.863 3206.957  16404.43  830.0858       0.0  8
30.0858
        3F 85.98765    1.85 22.20569      0.0 22.20569 4218.819  23576.42  6.263424       0.0  6
.263424
      G.L.    --        0.0    --       --       --    4241.025  31422.32    ---       ---
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================================================
 COMMENTS ABOUT TORSION
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-------
If torsional amplification effects are considered :
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-------
Accidental Torsion , Story Force * Accidental Eccentricity * Amp. Factor for Accidental Eccentri
city
Inherent Torsion   , Story Force * Inherent Eccentricity * Amp. Factor for Inherent Eccentricity


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-------
If torsional amplification effects are not considered :
---------------------------------------------------------------------------------------------------
-------
Accidental Torsion , Story Force * Accidental Eccentricity
Inherent Torsion   , 0

---------------------------------------------------------------------------------------------------
-------
The inherent torsion above is the additional torsion due to torsional amplification effect.
The true inherent torsion is considered automatically in analysis stage when the seismic force i
s
applied to the structure.
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 [ LOAD CASE : PP ]

 ** SELF WEIGHT DATA

; X=0, Y=0, Z=-1


*** RESPONSE SPECTRUM FUNCTION DATA

         NAME        FUNCTION  SCALE  GRAVITY DATA

                         TYPE

   ---------- -------------- ------ -------- ----------------------------------------------------

       NSR-10 Normalized Acc.      1    9.806 0:0.3465 0.1:0.602314 0.2:0.858129 0.3:0.86625 0.4
:0.86625
```

*** RESPONSE SPECTRUM LOAD CASE DATA

NAME	FUNCTION NAME	DIR.	ANGLE	SCALE	PERIOD FACTOR	ACCIDENTAL ECCENTRICITY
SX	NSR-10	X-Y	0	1.18	1	-
SY	NSR-10	X-Y	90	1.07	1	-

*** LOAD COMBINATION DATA

** STEEL DESIGN

NO	NAME	TYPE	ACTIVE	DESCRIPTION
1	sLCB1	Add	ACTIVE	1.4D
2	sLCB2	Add	ACTIVE	1.2(D) + 1.6(L) + 0.5LR
3	sLCB3	Add	ACTIVE	1.2(D) + 1.6(L) + 0.5S
4	sLCB4	Add	ACTIVE	1.2D + 1.6LR + 1.0L
5	sLCB5	Add	ACTIVE	1.2D + 1.6LR + 0.5W
6	sLCB6	Add	ACTIVE	1.2D + 1.6LR + 0.5WN
7	sLCB7	Add	ACTIVE	1.2D + 1.6LR - 0.5W
8	sLCB8	Add	ACTIVE	1.2D + 1.6LR - 0.5WN
9	sLCB9	Add	ACTIVE	1.2D + 1.6S + 1.0L
10	sLCB10	Add	ACTIVE	1.2D + 1.6S + 0.5W
11	sLCB11	Add	ACTIVE	1.2D + 1.6S + 0.5WN
12	sLCB12	Add	ACTIVE	1.2D + 1.6S - 0.5W
13	sLCB13	Add	ACTIVE	1.2D + 1.6S - 0.5WN
14	sLCB14	Add	ACTIVE	1.2D + 1.0W + 1.0L + 0.5LR
15	sLCB15	Add	ACTIVE	1.2D + 1.0WN + 1.0L + 0.5LR
16	sLCB16	Add	ACTIVE	1.2D - 1.0W + 1.0L + 0.5LR
17	sLCB17	Add	ACTIVE	1.2D - 1.0WN + 1.0L + 0.5LR
18	sLCB18	Add	ACTIVE	1.2D + 1.0W + 1.0L + 0.5S
19	sLCB19	Add	ACTIVE	1.2D + 1.0WN + 1.0L + 0.5S
20	sLCB20	Add	ACTIVE	1.2D - 1.0W + 1.0L + 0.5S
21	sLCB21	Add	ACTIVE	1.2D - 1.0WN + 1.0L + 0.5S
22	sLCB22	Add	ACTIVE	1.2D + 1.0(1.0(0.22)SX+0.3(0.22)SY) + 1.0L + 0.2S
23	sLCB23	Add	ACTIVE	1.2D + 1.0(1.0(0.22)SX-0.3(0.22)SY) + 1.0L + 0.2S
24	sLCB24	Add	ACTIVE	1.2D + 1.0(1.0(0.22)SY+0.3(0.22)SX) + 1.0L + 0.2S
25	sLCB25	Add	ACTIVE	1.2D + 1.0(1.0(0.22)SY-0.3(0.22)SX) + 1.0L + 0.2S
26	sLCB26	Add	ACTIVE	1.2D - 1.0(1.0(0.22)SX+0.3(0.22)SY) + 1.0L + 0.2S
27	sLCB27	Add	ACTIVE	1.2D - 1.0(1.0(0.22)SX-0.3(0.22)SY) + 1.0L + 0.2S
28	sLCB28	Add	ACTIVE	1.2D - 1.0(1.0(0.22)SY+0.3(0.22)SX) + 1.0L + 0.2S
29	sLCB29	Add	ACTIVE	1.2D - 1.0(1.0(0.22)SY-0.3(0.22)SX) + 1.0L + 0.2S
30	sLCB30	Add	ACTIVE	0.9D + 1.0W
31	sLCB31	Add	ACTIVE	0.9D + 1.0WN
32	sLCB32	Add	ACTIVE	0.9D - 1.0W
33	sLCB33	Add	ACTIVE	0.9D - 1.0WN
34	sLCB34	Add	ACTIVE	0.9D + 1.0(1.0(0.22)SX+0.3(0.22)SY)
35	sLCB35	Add	ACTIVE	0.9D + 1.0(1.0(0.22)SX-0.3(0.22)SY)
36	sLCB36	Add	ACTIVE	0.9D + 1.0(1.0(0.22)SY+0.3(0.22)SX)
37	sLCB37	Add	ACTIVE	0.9D + 1.0(1.0(0.22)SY-0.3(0.22)SX)
38	sLCB38	Add	ACTIVE	0.9D - 1.0(1.0(0.22)SX+0.3(0.22)SY)
39	sLCB39	Add	ACTIVE	0.9D - 1.0(1.0(0.22)SX-0.3(0.22)SY)
40	sLCB40	Add	ACTIVE	0.9D - 1.0(1.0(0.22)SY+0.3(0.22)SX)
41	sLCB41	Add	ACTIVE	0.9D - 1.0(1.0(0.22)SY-0.3(0.22)SX)
42	sLCB42	Add	SERVICE	SERV :(D)
43	sLCB43	Add	SERVICE	SERV :(D) + L
44	sLCB44	Add	SERVICE	SERV :(D) + LR
45	sLCB45	Add	SERVICE	SERV :(D) + S
46	sLCB46	Add	SERVICE	SERV :(D) + 0.75L + 0.75LR
47	sLCB47	Add	SERVICE	SERV :(D) + 0.75L + 0.75S

48	sLCB48	Add	SERVICE	SERV :(D) + 0.6W
49	sLCB49	Add	SERVICE	SERV :(D) + 0.6WN
50	sLCB50	Add	SERVICE	SERV :(D) - 0.6W
51	sLCB51	Add	SERVICE	SERV :(D) - 0.6WN
52	sLCB52	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SX+0.3(0.22)SY)
53	sLCB53	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SX-0.3(0.22)SY)
54	sLCB54	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SY+0.3(0.22)SX)
55	sLCB55	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SY-0.3(0.22)SX)
56	sLCB56	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SX+0.3(0.22)SY)
57	sLCB57	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SX-0.3(0.22)SY)
58	sLCB58	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SY+0.3(0.22)SX)
59	sLCB59	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SY-0.3(0.22)SX)
60	sLCB60	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.6)W + 0.75LR
61	sLCB61	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.6)WN + 0.75LR
62	sLCB62	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.6)W + 0.75S
63	sLCB63	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.6)WN + 0.75S
64	sLCB64	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.6)W + 0.75LR
65	sLCB65	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.6)WN + 0.75LR
66	sLCB66	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.6)W + 0.75S
67	sLCB67	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.6)WN + 0.75S
68	sLCB68	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SX+0.3(0.22)SY)) + 0.75S
69	sLCB69	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SX-0.3(0.22)SY)) + 0.75S
70	sLCB70	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SY+0.3(0.22)SX)) + 0.75S
71	sLCB71	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SY-0.3(0.22)SX)) + 0.75S
72	sLCB72	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SX+0.3(0.22)SY)) + 0.75S
73	sLCB73	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SX-0.3(0.22)SY)) + 0.75S
74	sLCB74	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SY+0.3(0.22)SX)) + 0.75S
75	sLCB75	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SY-0.3(0.22)SX)) + 0.75S
76	sLCB76	Add	SERVICE	SERV :0.6D + 0.6W
77	sLCB77	Add	SERVICE	SERV :0.6D + 0.6WN
78	sLCB78	Add	SERVICE	SERV :0.6D - 0.6W
79	sLCB79	Add	SERVICE	SERV :0.6D - 0.6WN
80	sLCB80	Add	SERVICE	SERV :0.6(D) + 0.7(1.0(0.22)SX+0.3(0.22)SY)
81	sLCB81	Add	SERVICE	SERV :0.6(D) + 0.7(1.0(0.22)SX-0.3(0.22)SY)
82	sLCB82	Add	SERVICE	SERV :0.6(D) + 0.7(1.0(0.22)SY+0.3(0.22)SX)
83	sLCB83	Add	SERVICE	SERV :0.6(D) + 0.7(1.0(0.22)SY-0.3(0.22)SX)
84	sLCB84	Add	SERVICE	SERV :0.6(D) - 0.7(1.0(0.22)SX+0.3(0.22)SY)
85	sLCB85	Add	SERVICE	SERV :0.6(D) - 0.7(1.0(0.22)SX-0.3(0.22)SY)
86	sLCB86	Add	SERVICE	SERV :0.6(D) - 0.7(1.0(0.22)SY+0.3(0.22)SX)
87	sLCB87	Add	SERVICE	SERV :0.6(D) - 0.7(1.0(0.22)SY-0.3(0.22)SX)

** CONCRETE DESIGN

NO	NAME	TYPE	ACTIVE	DESCRIPTION
1	cLCB1	Add	STRENGTH	1.4D
2	cLCB2	Add	STRENGTH	1.2(D) + 1.6(L) + 0.5LR
3	cLCB3	Add	STRENGTH	1.2(D) + 1.6(L) + 0.5S
4	cLCB4	Add	STRENGTH	1.2D + 1.6LR + 1.0L
5	cLCB5	Add	STRENGTH	1.2D + 1.6LR + 0.5W
6	cLCB6	Add	STRENGTH	1.2D + 1.6LR + 0.5WN
7	cLCB7	Add	STRENGTH	1.2D + 1.6LR - 0.5W
8	cLCB8	Add	STRENGTH	1.2D + 1.6LR - 0.5WN
9	cLCB9	Add	STRENGTH	1.2D + 1.6S + 1.0L
10	cLCB10	Add	STRENGTH	1.2D + 1.6S + 0.5W
11	cLCB11	Add	STRENGTH	1.2D + 1.6S + 0.5WN
12	cLCB12	Add	STRENGTH	1.2D + 1.6S - 0.5W
13	cLCB13	Add	STRENGTH	1.2D + 1.6S - 0.5WN
14	cLCB14	Add	STRENGTH	1.2D + 1.0W + 1.0L + 0.5LR
15	cLCB15	Add	STRENGTH	1.2D + 1.0WN + 1.0L + 0.5LR
16	cLCB16	Add	STRENGTH	1.2D - 1.0W + 1.0L + 0.5LR
17	cLCB17	Add	STRENGTH	1.2D - 1.0WN + 1.0L + 0.5LR
18	cLCB18	Add	STRENGTH	1.2D + 1.0W + 1.0L + 0.5S

PROJECT TITLE :

	Company		Client	
MIDAS	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

19	cLCB19	Add	STRENGTH	1.2D + 1.0WN + 1.0L + 0.5S
20	cLCB20	Add	STRENGTH	1.2D - 1.0W + 1.0L + 0.5S
21	cLCB21	Add	STRENGTH	1.2D - 1.0WN + 1.0L + 0.5S
22	cLCB22	Add	STRENGTH	1.2D + 1.0(1.0(0.22)SX+0.3(0.22)SY) + 1.0L
23	cLCB23	Add	STRENGTH	1.2D + 1.0(1.0(0.22)SX-0.3(0.22)SY) + 1.0L
24	cLCB24	Add	STRENGTH	1.2D + 1.0(1.0(0.22)SY+0.3(0.22)SX) + 1.0L
25	cLCB25	Add	STRENGTH	1.2D + 1.0(1.0(0.22)SY-0.3(0.22)SX) + 1.0L
26	cLCB26	Add	STRENGTH	1.2D - 1.0(1.0(0.22)SX+0.3(0.22)SY) + 1.0L
27	cLCB27	Add	STRENGTH	1.2D - 1.0(1.0(0.22)SX-0.3(0.22)SY) + 1.0L
28	cLCB28	Add	STRENGTH	1.2D - 1.0(1.0(0.22)SY+0.3(0.22)SX) + 1.0L
29	cLCB29	Add	STRENGTH	1.2D - 1.0(1.0(0.22)SY-0.3(0.22)SX) + 1.0L
30	cLCB30	Add	STRENGTH	0.9D + 1.0W
31	cLCB31	Add	STRENGTH	0.9D + 1.0WN
32	cLCB32	Add	STRENGTH	0.9D - 1.0W
33	cLCB33	Add	STRENGTH	0.9D - 1.0WN
34	cLCB34	Add	STRENGTH	0.9D + 1.0(1.0(0.22)SX+0.3(0.22)SY)
35	cLCB35	Add	STRENGTH	0.9D + 1.0(1.0(0.22)SX-0.3(0.22)SY)
36	cLCB36	Add	STRENGTH	0.9D + 1.0(1.0(0.22)SY+0.3(0.22)SX)
37	cLCB37	Add	STRENGTH	0.9D + 1.0(1.0(0.22)SY-0.3(0.22)SX)
38	cLCB38	Add	STRENGTH	0.9D - 1.0(1.0(0.22)SX+0.3(0.22)SY)
39	cLCB39	Add	STRENGTH	0.9D - 1.0(1.0(0.22)SX-0.3(0.22)SY)
40	cLCB40	Add	STRENGTH	0.9D - 1.0(1.0(0.22)SY+0.3(0.22)SX)
41	cLCB41	Add	STRENGTH	0.9D - 1.0(1.0(0.22)SY-0.3(0.22)SX)
42	cLCB42	Add	SERVICE	SERV :(D)
43	cLCB43	Add	SERVICE	SERV :(D) + (L)
44	cLCB44	Add	SERVICE	SERV :(D) + LR
45	cLCB45	Add	SERVICE	SERV :(D) + S
46	cLCB46	Add	SERVICE	SERV :(D) + 0.75(L) + 0.75LR
47	cLCB47	Add	SERVICE	SERV :(D) + 0.75(L) + 0.75S
48	cLCB48	Add	SERVICE	SERV :(D) + 1.0W
49	cLCB49	Add	SERVICE	SERV :(D) + 1.0WN
50	cLCB50	Add	SERVICE	SERV :(D) - 1.0W
51	cLCB51	Add	SERVICE	SERV :(D) - 1.0WN
52	cLCB52	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SX+0.3(0.22)SY)
53	cLCB53	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SX-0.3(0.22)SY)
54	cLCB54	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SY+0.3(0.22)SX)
55	cLCB55	Add	SERVICE	SERV :(D) + 0.7(1.0(0.22)SY-0.3(0.22)SX)
56	cLCB56	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SX+0.3(0.22)SY)
57	cLCB57	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SX-0.3(0.22)SY)
58	cLCB58	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SY+0.3(0.22)SX)
59	cLCB59	Add	SERVICE	SERV :(D) - 0.7(1.0(0.22)SY-0.3(0.22)SX)
60	cLCB60	Add	SERVICE	SERV :(D) + 0.75L + 0.75(1.0)W + 0.75LR
61	cLCB61	Add	SERVICE	SERV :(D) + 0.75L + 0.75(1.0)WN + 0.75LR
62	cLCB62	Add	SERVICE	SERV :(D) + 0.75L + 0.75(1.0)W + 0.75S
63	cLCB63	Add	SERVICE	SERV :(D) + 0.75L + 0.75(1.0)WN + 0.75S
64	cLCB64	Add	SERVICE	SERV :(D) + 0.75L - 0.75(1.0)W + 0.75LR
65	cLCB65	Add	SERVICE	SERV :(D) + 0.75L - 0.75(1.0)WN + 0.75LR
66	cLCB66	Add	SERVICE	SERV :(D) + 0.75L - 0.75(1.0)W + 0.75S
67	cLCB67	Add	SERVICE	SERV :(D) + 0.75L - 0.75(1.0)WN + 0.75S
68	cLCB68	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SX+0.3(0.22)SY)) + 0.75S
69	cLCB69	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SX-0.3(0.22)SY)) + 0.75S
70	cLCB70	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SY+0.3(0.22)SX)) + 0.75S
71	cLCB71	Add	SERVICE	SERV :(D) + 0.75L + 0.75(0.7(1.0(0.22)SY-0.3(0.22)SX)) + 0.75S
72	cLCB72	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SX+0.3(0.22)SY)) + 0.75S
73	cLCB73	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SX-0.3(0.22)SY)) + 0.75S
74	cLCB74	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SY+0.3(0.22)SX)) + 0.75S
75	cLCB75	Add	SERVICE	SERV :(D) + 0.75L - 0.75(0.7(1.0(0.22)SY-0.3(0.22)SX)) + 0.75S
76	cLCB76	Add	SERVICE	SERV :0.6D + 1.0W
77	cLCB77	Add	SERVICE	SERV :0.6D + 1.0WN
78	cLCB78	Add	SERVICE	SERV :0.6D - 1.0W
79	cLCB79	Add	SERVICE	SERV :0.6D - 1.0WN

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	SE V01 2025 09 29 CENTRO DE SALUD.md

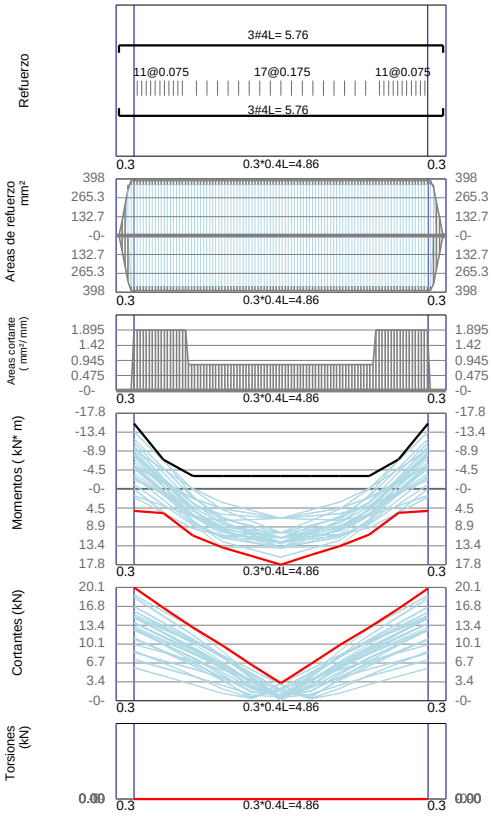
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80     cLCB80        Add    SERVICE  SERV :0.6D + 0.7(1.0(0.22)SX+0.3(0.22)SY)
81     cLCB81        Add    SERVICE  SERV :0.6D + 0.7(1.0(0.22)SX-0.3(0.22)SY)
82     cLCB82        Add    SERVICE  SERV :0.6D + 0.7(1.0(0.22)SY+0.3(0.22)SX)
83     cLCB83        Add    SERVICE  SERV :0.6D + 0.7(1.0(0.22)SY-0.3(0.22)SX)
84     cLCB84        Add    SERVICE  SERV :0.6D - 0.7(1.0(0.22)SX+0.3(0.22)SY)
85     cLCB85        Add    SERVICE  SERV :0.6D - 0.7(1.0(0.22)SX-0.3(0.22)SY)
86     cLCB86        Add    SERVICE  SERV :0.6D - 0.7(1.0(0.22)SY+0.3(0.22)SX)
87     cLCB87        Add    SERVICE  SERV :0.6D - 0.7(1.0(0.22)SY-0.3(0.22)SX)
88     ENVCIM   Envelope   STRENGTH
```

E. ANEXO 5. VIGAS AEREAS BLOQUE B

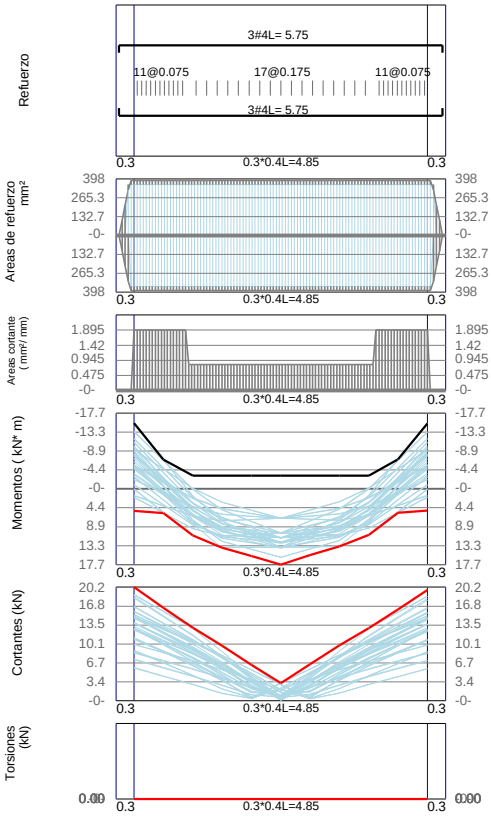
JUAN CARLOS CORTES CORTES
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ingcortesjc@yahoo.com.ar

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V101 / Roof



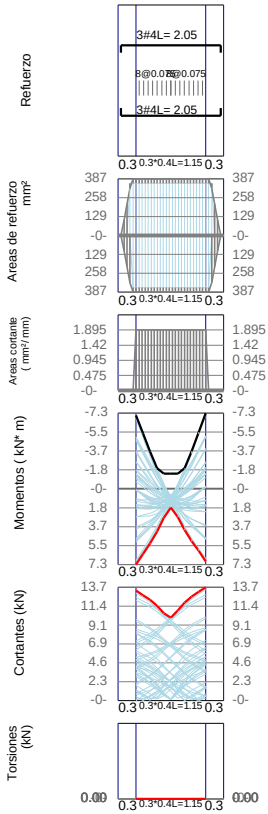
V102 / Roof



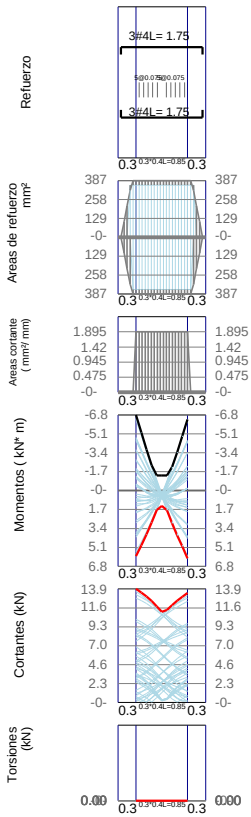
V103 / Roof

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

V103 / Roof



V104 / Roof



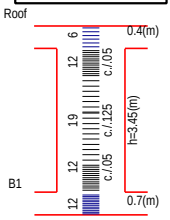
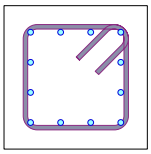
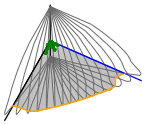
F. ANEXO 6. COLUMNAS BLOQUE B

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Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de columnas
Norma	NSR-10 DMO	Código Nimbus	

01 Norma: NSR-10 DMO

Volumen sin nudos= 0.3 m3 Peso del refuerzo= 94.7 Kg Cuantía= 305.1 kg/m3

DISTRIBUCIÓN DE ESTRIBOS	SECCIÓN INFERIOR	DISEÑO CORTANTE	SUP.INTERACCIÓN ZONA INFERIOR	DISEÑO FLEXION
		V. Max Ppal=.7Ton (cLCB8) Sec= .4Ton (cLCB6) V. plástico Ppal=4 Sec=4Ton So abajo 50mm (P.Volum. (C.21.3.5.7)) S central 125mm (Por Cortante Plástico) So arriba 50mm (P.Volum. (C.21.3.5.7))		F'c = 24.5 Mpa Cuantia zona superior =1.72 Eficiencia zona superior = 0.24 P=2.3 Mppal=1.5 Msec=.2T m Cuantia zona inferior =1.72 Eficiencia zona inferior = 0.19 P=3.6 Mppal=-1.2 Msec=-.2T m Relación Mínima Col/Vig=1.3(Viga:03)

B= .30H= .30
12/#4(1.72%)

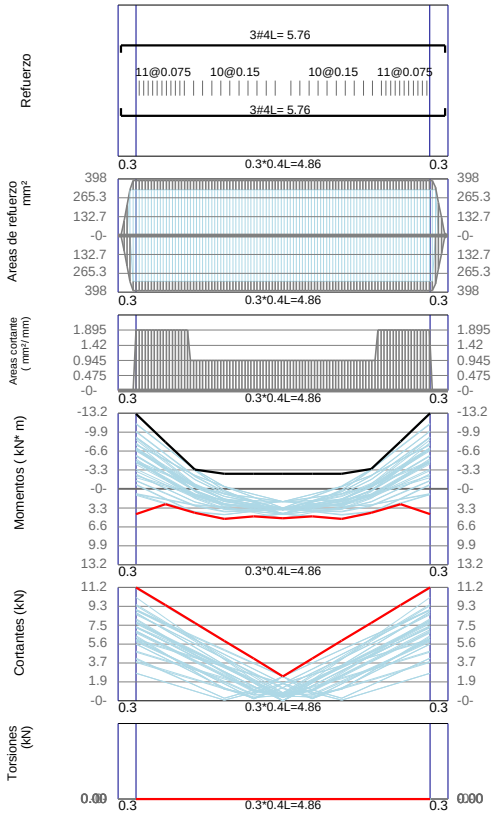
Máxima eficiencia = 0.2
P=3.6 Mppal=-1.2 Msec=-.2T m

G. ANEXO 7. VIGAS DE CIMENTACIÓN BLOQUE B

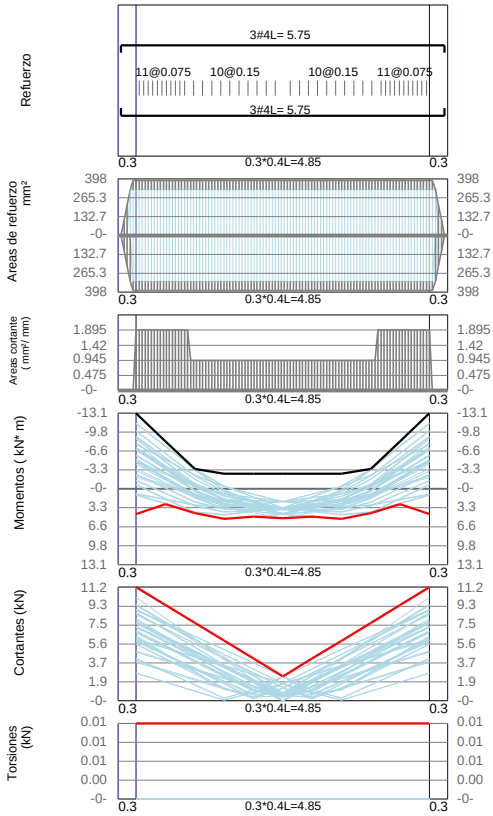
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Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC001 / B1



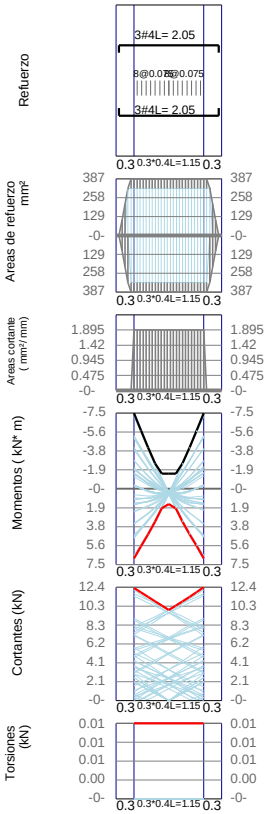
VC002 / B1



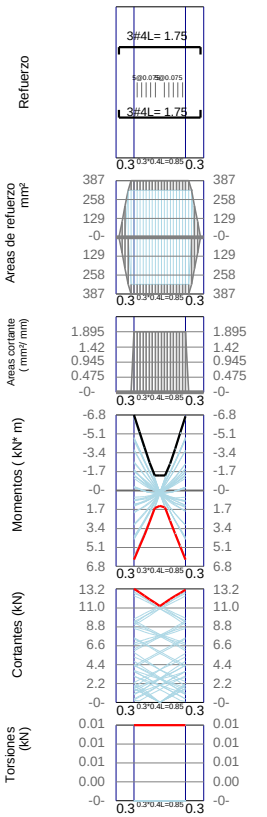
VC003 / B1

Nombre Principal			
Nombre Auxiliar		Dirección	
Propietario		Diseño Arquitectónico	
DC-CAD3 Licenciado a:	C3 INGENIERIA SAS	Contenido	Memorias de Vigas
Norma	NSR-10 DMO	Código Nimbus	

VC003 / B1



VC004 / B1



H. ANEXO 8. DATOS MODELO BLOQUE B

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Teléfono: 3107800935
ingcortesjc@yahoo.com.ar

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	E V01 2025 09 29 CENTRO DE SALUD B2.m

*** PROJECT INFORMATION

Project Name :
Date : 2025/10/1

*** CONTROL DATA

Panel Zone Effect : Do not Calculate
Unit System : KN, M
Definition of Frame
- X Direction of Frame : Braced I Non-sway
- Y Direction of Frame : Braced I Non-sway
- Design Type : 3-D

Design Code
- Steel : AISC(15th)-LRFD16
- Concrete : NSR-10
- SRC : SSRC79

*** LOAD CASE DATA

NO	NAME	TYPE	SELF WEIGHT FACTOR X	Y	Z	DESCRIPTION
1	D	D	0.000	0.000	0.000	
2	L	L	0.000	0.000	0.000	
3	LR	LR	0.000	0.000	0.000	
4	LE	R	0.000	0.000	0.000	
5	W	W	0.000	0.000	0.000	
6	WN	W	0.000	0.000	0.000	
7	FHEX	E	0.000	0.000	0.000	
8	FHEY	E	0.000	0.000	0.000	
9	PP	D	0.000	0.000	-1.000	
10	G O E	S	0.000	0.000	0.000	

*** MATERIAL PROPERTY DATA

NO	NAME	TYPE	MODULUS OF ELASTICITY	SHEAR MODULUS	THERMAL COEFF.	POISSON RATIO	WEIGHT DENSITY
1	Grade C3500	CONC	2.35e+07	9.793e+06	5e-06	0.2	23.56
2	A572-50	STEEL	1.999e+08	7.69e+07	6.5e-06	0.3	77.09

NO	NAME	TYPE	STRENGTH OF DESIGN MATERIAL STEEL	CONCRETE	MAIN REBAR	SUB REBAR
1	Grade C3500	CONC	-	2.413e+04	4.137e+05	4.137e+05
2	A572-50	STEEL	3.447e+05	-	-	-

*** STORY DATA

Ground Level , 0

NAME	LEVEL	HEIGHT	FLOOR DIAPHRAGM
Roof	3.550	0.000	Consider

B1	-0.300	3.850	Do not consider
B2	-1.000	0.700	Do not consider

*** NODE DATA

NO	X	Y	Z	TEMPERATURE
1	0	0	-0.3	0
2	5.15	0	-0.3	0
3	0	1.45	-0.3	0
4	5.15	1.15	-0.3	0
5	0	0	3.55	0
6	5.15	0	3.55	0
7	0	1.45	3.55	0
8	5.15	1.15	3.55	0
9	0	0	-1	0
10	5.15	0	-1	0
11	0	1.45	-1	0
12	5.15	1.15	-1	0

*** SUPPORT / SPECIFIED DISPLACEMENT / POINT SPRING SUPPORT

** SUPPORT / SPECIFIED DISPLACEMENT

NODE	SUPPORT	SPECIFIED DISPLACEMENT					
	DDDRRR	Dx	Dy	Dz	Rx	Ry	Rz
9	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

*** FLOOR DIAPHRAGM / RIGID LINK DATA

MASTER	DDDRRR	NODES OF SAME DISPLACEMENT
Roof Floor Diaphragm	5to8	

*** SECTION PROPERTY DATA

NO	NAME	SHAPE	H	B	tw	tf1	r1
1	C30X30	SB	0.3	0.3	0	0	0
2	V30X40	SB	0.4	0.3	0	0	0
3	VC30X40	SB	0.4	0.3	0	0	0

NO	NAME	STIFFNESS SCALE FACTOR							
		A	Asy	Asz	Ix	Iy	Iz	W	Boundary Group
1	C30X30								
2	V30X40								
3	VC30X40								

NO	NAME	AREA	MOMENT OF INERTIA			SHAPE FACTOR	
		[SRC:EQIV.]	Ix	Iy	Iz	k-Y	k-Z
1	C30X30	0.09	0.001139	0.000675	0.000675	0.8333	0.8333

2	V30X40	0.12	0.001944	0.0016	0.0009	0.8333	0.8333
3	VC30X40	0.12	0.001944	0.0016	0.0009	0.8333	0.8333

NO	NAME	SECTION MODULUS Sy		SECTION MODULUS Sz	
		I or CONC.	J or STEEL	I or CONC.	J or STEEL
1	C30X30	0.0045	0.0045	0.0045	0.0045
2	V30X40	0.008	0.008	0.006	0.006
3	VC30X40	0.008	0.008	0.006	0.006

*** BEAM MEMBER DATA

NO	NODAL CONNECTIVITY		BEAM END RELEASE		MATERIAL	SECTION	LENGTH
	I	J	I	J			
1	1	5	-	-	Grade C3500	C30X30	3.85
2	2	6	-	-	Grade C3500	C30X30	3.85
3	3	7	-	-	Grade C3500	C30X30	3.85
4	4	8	-	-	Grade C3500	C30X30	3.85
5	7	8	-	-	Grade C3500	V30X40	5.159
6	8	6	-	-	Grade C3500	V30X40	1.15
7	5	6	-	-	Grade C3500	V30X40	5.15
8	7	5	-	-	Grade C3500	V30X40	1.45
9	1	9	-	-	Grade C3500	C30X30	0.7
10	2	10	-	-	Grade C3500	C30X30	0.7
11	3	11	-	-	Grade C3500	C30X30	0.7
12	4	12	-	-	Grade C3500	C30X30	0.7
13	3	4	-	-	Grade C3500	VC30X40	5.159
14	1	2	-	-	Grade C3500	VC30X40	5.15
15	4	2	-	-	Grade C3500	VC30X40	1.15
16	3	1	-	-	Grade C3500	VC30X40	1.45

*** TOTAL WEIGHT / VOLUME / SURFACE AREA SUMMARY

SECTION NO	SECION NAME	SURFACE AREA	VOLUME	WEIGHT	FRAME NUMBER	TRUSS NUMBER
1	C30X30	21.84	1.638	38.6	8	0
2	V30X40	18.07	1.549	36.5	4	0
3	VC30X40	18.07	1.549	36.5	4	0

*** LOAD DATA

; Self Weight, Nodal Load, Specified Displacement, Beam Load, Floor Load, Finishing Material Loa
d,
System Temperature, Nodal Temperature, Element Temperature, Beam Section Temperature,
Wind Load, Static Seismic Load, Time History Analysis Data

** FLOOR LOAD TYPE DATA

NAME	LOADCASE NAME	LOAD	SUB-BEAM WEIGHT
SALA DE REU	D	-5.04	Consider
	L	-2	Do not consider
SALA CIRU Y LAB	D	-5.04	Consider
	L	-4	Do not consider
CUB LIV	D	-0.56	Consider
	LR	-0.5	Do not consider
	W	-0.4	Do not consider
	WN	0.51	Do not consider
	G O E	-1	Do not consider
CUB LOSA	D	-4	Consider

		LR	-1.8	Do not consider
	G O E		-1	Do not consider
TANQ		D	-7.73	Consider
		LR	-2	Do not consider

** FLOOR LOAD DATA

LOAD TYPE	DISTRIBUTION	DIR.	PROJ	SUB-BEAM NUMBER	SUB-BEAM ANGLE	SUB-BEAM UNIT-W	NODE LIST
CUB LOSA	Two Way	GZ	NO	0	0	0	7 8 6 5

[LOAD CASE : FHEX]

** STATIC SEISMIC LOAD DATA : CODE , NSR-10

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* MASS GENERATION DATA FOR LATERAL ANALYSIS OF BUILDING [UNIT: kN, m]

STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)	ROTATIONAL MASS	CENTER OF MASS (X-COORD)	CENTER OF MASS (Y-COORD)
Roof	8.11846354	8.11846354	57.3361948	2.51001343	0.65205319
B1	0.0	0.0	0.0	0.0	0.0
B2	0.0	0.0	0.0	0.0	0.0
TOTAL :	8.11846354	8.11846354			

* ADDITIONAL MASSES FOR THE CALCULATION OF EQUIVALENT SEISMIC FORCE

Note. The following masses are between two adjacent stories or on the nodes released from floor rigid diaphragm by *Diaphragm Disconnect command. The masses are proportionally distributed to upper/lower stories according to their vertical locations. For dynamic analysis, however, floor masses and masses on vertical elements remain at their original locations.

STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)
Roof	0.0	0.0
B1	5.69025163	5.69025163
B2	0.30276912	0.30276912
TOTAL :	5.99302075	5.99302075

* EQUIVALENT SEISMIC LOAD IN ACCORDANCE WITH NSR-10 [UNIT: kN, m]

Site Class	: E
Effective Peak Acceleration(Aa)	: 0.15000
Effective Peak Velocity (Av)	: 0.20000
Site Coefficient at Short Periods (Fa)	: 2.10000
Site Coefficient at 1 s Period (Fv)	: 3.20000
Importance Factor (I)	: 1.10
Period Coefficient for Upper Limit (Cu)	: 1.2000
Fundamental Period Associated with X-dir. (Tx)	: 0.1470
Fundamental Period Associated with Y-dir. (Ty)	: 0.1470
Basic Ductility Factor for X-dir. (Rx0)	: 1.00000
Basic Ductility Factor for Y-dir. (Ry0)	: 1.00000
Reduction Factor of Irregularity for X-dir. (Phix)	: 1.00000
Reduction Factor of Irregularity for Y-dir. (Phiy)	: 1.00000

```
  Ductility Factor for X-dir. (Rx)                      : 1.00000
  Ductility Factor for X-dir. (Rx)                      : 1.00000
  Total Effective Weight For X-dir. Seismic Loads (Wx)    : 79.609653
  Total Effective Weight For Y-dir. Seismic Loads (Wy)    : 79.609653

  Scale Factor For X-directional Seismic Loads            : 1.00
  Scale Factor For Y-directional Seismic Loads            : 0.00

  Accidental Eccentricity For X-direction (Ex)            : Positive
  Accidental Eccentricity For Y-direction (Ey)            : Positive

  Torsional Amplification for Accidental Eccentricity     : Do not Consider
  Torsional Amplification for Inherent Eccentricity       : Do not Consider

  Total Base Shear Of Model For X-direction               : 68.961862
  Total Base Shear Of Model For Y-direction               : 0.000000
  Summation Of Wi*Hi^k Of Model For X-direction           : 282.614270
  Summation Of Wi*Hi^k Of Model For Y-direction           : 0.000000
-------------------------------------------------------------------------------


============================
 ECCENTRICITY RELATED DATA
============================

              X - D I R E C T I O N A L    L O A D          Y - D I R E C T I O N A L    L O A
 D

     STORY   ACCIDENTAL INHERENT   ACCIDENTAL INHERENT      ACCIDENTAL INHERENT   ACCIDENTAL INH
ERENT
     NAME    ECCENT.    ECCENT.    AMP.FACTOR AMP.FACTOR    ECCENT.    ECCENT.    AMP.FACTOR AMP
.FACTOR
----------   ---------- ---------- ---------- ----------    ---------- ---------- ---------- ---
-------
      Roof      -0.0725        0.0        1.0        0.0        0.2575        0.0        1.0
    0.0
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The accidental amplification factors are automatically set to 1.0 when torsional amplification e
ffect
to accidental eccentricity is not considered.
The inherent amplification factors are automatically set to 0 when torsional amplification effec
t
to inherent eccentricity is not considered.
The inherent amplification factors are all set to 'the input value - 1.0'.(This is to exclude th
e true
inherent torsion)
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  ** Story Force , Seismic Force x Scale Factor + Added Force


         S E I S M I C   L O A D   G E N E R A T I O N   D A T A   X - D I R E C T I O N

     STORY   STORY   STORY  SEISMIC   ADDED    STORY    STORY   OVERTURN. ACCIDENT. INHERENT   T
OTAL
     NAME    WEIGHT  LEVEL  FORCE     FORCE    FORCE    SHEAR   MOMENT    TORSION   TORSION    T
ORSION
---------- -------- ------- -------- -------- -------- -------- --------- --------- --------- --
-------
      Roof 79.60965    3.55 68.96186      0.0 68.96186      0.0       0.0  4.999735       0.0  4
.999735
      G.L.    --        0.0    --       --       --    68.96186  244.8146    ---       ---
 ---
```

S E I S M I C L O A D G E N E R A T I O N D A T A Y - D I R E C T I O N

STORY NAME	STORY WEIGHT	STORY LEVEL	SEISMIC FORCE	ADDED FORCE	STORY FORCE	STORY SHEAR	OVERTURN. MOMENT	ACCIDENT. TORSION	INHERENT TORSION	TOTAL TORSION
Roof	79.60965	3.55	68.96186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G.L.	--	0.0	--	--	--	0.0	0.0	---	---	---

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COMMENTS ABOUT TORSION
==========

If torsional amplification effects are considered :

Accidental Torsion , Story Force * Accidental Eccentricity * Amp. Factor for Accidental Eccentricity
Inherent Torsion , Story Force * Inherent Eccentricity * Amp. Factor for Inherent Eccentricity

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If torsional amplification effects are not considered :

Accidental Torsion , Story Force * Accidental Eccentricity
Inherent Torsion , 0

The inherent torsion above is the additional torsion due to torsional amplification effect.
The true inherent torsion is considered automatically in analysis stage when the seismic force is
applied to the structure.

[LOAD CASE : FHEY]

** STATIC SEISMIC LOAD DATA : CODE , NSR-10

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* MASS GENERATION DATA FOR LATERAL ANALYSIS OF BUILDING [UNIT: kN, m]

STORY NAME	TRANSLATIONAL MASS (X-DIR)	(Y-DIR)	ROTATIONAL MASS	CENTER OF MASS (X-COORD)	(Y-COORD)
Roof	8.11846354	8.11846354	57.3361948	2.51001343	0.65205319
B1	0.0	0.0	0.0	0.0	0.0
B2	0.0	0.0	0.0	0.0	0.0

TOTAL :	8.11846354	8.11846354			

* ADDITIONAL MASSES FOR THE CALCULATION OF EQUIVALENT SEISMIC FORCE

Note. The following masses are between two adjacent stories or on the nodes released from floor rigid diaphragm by *Diaphragm Disconnect command. The masses are proportionally distributed to upper/lower stories according to their vertical locations. For dynamic analysis, however, floor masses and masses on vertical elements remain at their original locations.

STORY NAME	TRANSLATIONAL MASS (X-DIR)	(Y-DIR)
Roof	0.0	0.0
B1	5.69025163	5.69025163
B2	0.30276912	0.30276912
TOTAL :	5.99302075	5.99302075

* EQUIVALENT SEISMIC LOAD IN ACCORDANCE WITH NSR-10 [UNIT: kN, m]

Site Class	: E
Effective Peak Acceleration(Aa)	: 0.15000
Effective Peak Velocity (Av)	: 0.20000
Site Coefficient at Short Periods (Fa)	: 2.10000
Site Coefficient at 1 s Period (Fv)	: 3.20000
Importance Factor (I)	: 1.10
Period Coefficient for Upper Limit (Cu)	: 1.2000
Fundamental Period Associated with X-dir. (Tx)	: 0.1470
Fundamental Period Associated with Y-dir. (Ty)	: 0.1470
Basic Ductility Factor for X-dir. (Rx0)	: 1.00000
Basic Ductility Factor for Y-dir. (Ry0)	: 1.00000
Reduction Factor of Irregularity for X-dir. (Phix)	: 1.00000
Reduction Factor of Irregularity for Y-dir. (Phiy)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Total Effective Weight For X-dir. Seismic Loads (Wx)	: 79.609653
Total Effective Weight For Y-dir. Seismic Loads (Wy)	: 79.609653
Scale Factor For X-directional Seismic Loads	: 0.00
Scale Factor For Y-directional Seismic Loads	: 1.00
Accidental Eccentricity For X-direction (Ex)	: Positive
Accidental Eccentricity For Y-direction (Ey)	: Positive
Torsional Amplification for Accidental Eccentricity	: Do not Consider
Torsional Amplification for Inherent Eccentricity	: Do not Consider
Total Base Shear Of Model For X-direction	: 0.000000
Total Base Shear Of Model For Y-direction	: 68.961862
Summation Of Wi*Hi^k Of Model For X-direction	: 0.000000
Summation Of Wi*Hi^k Of Model For Y-direction	: 282.614270

ECCENTRICITY RELATED DATA

	X-DIRECTIONAL LOAD				Y-DIRECTIONAL LOAD			
STORY NAME	ACCIDENTAL ECCENT.	INHERENT ECCENT.	ACCIDENTAL AMP.FACTOR	INHERENT AMP.FACTOR	ACCIDENTAL ECCENT.	INHERENT ECCENT.	ACCIDENTAL AMP.FACTOR	INHERENT AMP.FACTOR

```
.FACTOR
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      Roof      -0.0725        0.0        1.0        0.0        0.2575        0.0        1.0
    0.0
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The accidental amplification factors are automatically set to 1.0 when torsional amplification e
ffect
to accidental eccentricity is not considered.
The inherent amplification factors are automatically set to 0 when torsional amplification effec
t
to inherent eccentricity is not considered.
The inherent amplification factors are all set to 'the input value - 1.0'.(This is to exclude th
e true
inherent torsion)
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  ** Story Force , Seismic Force x Scale Factor + Added Force

          S E I S M I C   L O A D   G E N E R A T I O N   D A T A   X - D I R E C T I O N

     STORY   STORY   STORY  SEISMIC   ADDED    STORY    STORY   OVERTURN. ACCIDENT. INHERENT   T
OTAL
     NAME    WEIGHT  LEVEL  FORCE     FORCE    FORCE    SHEAR   MOMENT    TORSION   TORSION    T
ORSION
---------- -------- ------- -------- -------- -------- -------- --------- --------- --------- --
-------
      Roof 79.60965    3.55 68.96186      0.0      0.0      0.0       0.0       0.0       0.0
    0.0
      G.L.    --        0.0    --       --       --         0.0       0.0    ---       ---
 ---
-------------------------------------------------------------------------------------------------
-------


          S E I S M I C   L O A D   G E N E R A T I O N   D A T A   Y - D I R E C T I O N

     STORY   STORY   STORY  SEISMIC   ADDED    STORY    STORY   OVERTURN. ACCIDENT. INHERENT   T
OTAL
     NAME    WEIGHT  LEVEL  FORCE     FORCE    FORCE    SHEAR   MOMENT    TORSION   TORSION    T
ORSION
---------- -------- ------- -------- -------- -------- -------- --------- --------- --------- --
-------
      Roof 79.60965    3.55 68.96186      0.0 68.96186      0.0       0.0  17.75768       0.0  1
7.75768
      G.L.    --        0.0    --       --       --     68.96186  244.8146    ---       ---
 ---
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================================================
 COMMENTS ABOUT TORSION
================================================

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If torsional amplification effects are considered :
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-------
Accidental Torsion , Story Force * Accidental Eccentricity * Amp. Factor for Accidental Eccentri
city
Inherent Torsion   , Story Force * Inherent Eccentricity * Amp. Factor for Inherent Eccentricity
```

If torsional amplification effects are not considered :

Accidental Torsion , Story Force * Accidental Eccentricity
Inherent Torsion , 0

The inherent torsion above is the additional torsion due to torsional amplification effect.
The true inherent torsion is considered automatically in analysis stage when the seismic force is
applied to the structure.

[LOAD CASE : PP]

** SELF WEIGHT DATA

; X=0, Y=0, Z=-1

*** RESPONSE SPECTRUM FUNCTION DATA

NAME	FUNCTION TYPE	SCALE	GRAVITY	DATA
NSR-10 Normalized Acc.	1	9.806		0:0.3465 0.1:0.602314 0.2:0.858129 0.3:0.86625 0.4:0.86625

*** RESPONSE SPECTRUM LOAD CASE DATA

NAME	FUNCTION NAME	DIR.	ANGLE	SCALE	PERIOD FACTOR	ACCIDENTAL ECCENTRICITY
SX	NSR-10	X-Y	0	1	1	-
SY	NSR-10	X-Y	90	1	1	-

*** LOAD COMBINATION DATA

** CONCRETE DESIGN

NO	NAME	TYPE	ACTIVE	DESCRIPTION
1	cLCB1	Add	STRENGTH	1.4D
2	cLCB2	Add	STRENGTH	1.2D + 1.6LR
3	cLCB3	Add	STRENGTH	1.2D + 1.6S
4	cLCB4	Add	STRENGTH	1.2D + 1.0(1.0(0.20)SX+0.3(0.20)SY)
5	cLCB5	Add	STRENGTH	1.2D + 1.0(1.0(0.20)SX-0.3(0.20)SY)
6	cLCB6	Add	STRENGTH	1.2D + 1.0(1.0(0.20)SY+0.3(0.20)SX)
7	cLCB7	Add	STRENGTH	1.2D + 1.0(1.0(0.20)SY-0.3(0.20)SX)
8	cLCB8	Add	STRENGTH	1.2D - 1.0(1.0(0.20)SX+0.3(0.20)SY)
9	cLCB9	Add	STRENGTH	1.2D - 1.0(1.0(0.20)SX-0.3(0.20)SY)
10	cLCB10	Add	STRENGTH	1.2D - 1.0(1.0(0.20)SY+0.3(0.20)SX)
11	cLCB11	Add	STRENGTH	1.2D - 1.0(1.0(0.20)SY-0.3(0.20)SX)
12	cLCB12	Add	STRENGTH	0.9D + 1.0(1.0(0.20)SX+0.3(0.20)SY)
13	cLCB13	Add	STRENGTH	0.9D + 1.0(1.0(0.20)SX-0.3(0.20)SY)
14	cLCB14	Add	STRENGTH	0.9D + 1.0(1.0(0.20)SY+0.3(0.20)SX)
15	cLCB15	Add	STRENGTH	0.9D + 1.0(1.0(0.20)SY-0.3(0.20)SX)

PROJECT TITLE :

MIDAS	Company		Client	
	Author	jemare08@hotmail.com	File Name	E V01 2025 09 29 CENTRO DE SALUD B2.m

16	cLCB16	Add	STRENGTH	0.9D - 1.0(1.0(0.20)SX+0.3(0.20)SY)
17	cLCB17	Add	STRENGTH	0.9D - 1.0(1.0(0.20)SX-0.3(0.20)SY)
18	cLCB18	Add	STRENGTH	0.9D - 1.0(1.0(0.20)SY+0.3(0.20)SX)
19	cLCB19	Add	STRENGTH	0.9D - 1.0(1.0(0.20)SY-0.3(0.20)SX)
20	cLCB20	Add	SERVICE	SERV :(D)
21	cLCB21	Add	SERVICE	SERV :(D) + LR
22	cLCB22	Add	SERVICE	SERV :(D) + S
23	cLCB23	Add	SERVICE	SERV :(D) + 0.7(1.0(0.20)SX+0.3(0.20)SY)
24	cLCB24	Add	SERVICE	SERV :(D) + 0.7(1.0(0.20)SX-0.3(0.20)SY)
25	cLCB25	Add	SERVICE	SERV :(D) + 0.7(1.0(0.20)SY+0.3(0.20)SX)
26	cLCB26	Add	SERVICE	SERV :(D) + 0.7(1.0(0.20)SY-0.3(0.20)SX)
27	cLCB27	Add	SERVICE	SERV :(D) - 0.7(1.0(0.20)SX+0.3(0.20)SY)
28	cLCB28	Add	SERVICE	SERV :(D) - 0.7(1.0(0.20)SX-0.3(0.20)SY)
29	cLCB29	Add	SERVICE	SERV :(D) - 0.7(1.0(0.20)SY+0.3(0.20)SX)
30	cLCB30	Add	SERVICE	SERV :(D) - 0.7(1.0(0.20)SY-0.3(0.20)SX)
31	cLCB31	Add	SERVICE	SERV :(D) + 0.75(0.7(1.0(0.20)SX+0.3(0.20)SY)) + 0.75S
32	cLCB32	Add	SERVICE	SERV :(D) + 0.75(0.7(1.0(0.20)SX-0.3(0.20)SY)) + 0.75S
33	cLCB33	Add	SERVICE	SERV :(D) + 0.75(0.7(1.0(0.20)SY+0.3(0.20)SX)) + 0.75S
34	cLCB34	Add	SERVICE	SERV :(D) + 0.75(0.7(1.0(0.20)SY-0.3(0.20)SX)) + 0.75S
35	cLCB35	Add	SERVICE	SERV :(D) - 0.75(0.7(1.0(0.20)SX+0.3(0.20)SY)) + 0.75S
36	cLCB36	Add	SERVICE	SERV :(D) - 0.75(0.7(1.0(0.20)SX-0.3(0.20)SY)) + 0.75S
37	cLCB37	Add	SERVICE	SERV :(D) - 0.75(0.7(1.0(0.20)SY+0.3(0.20)SX)) + 0.75S
38	cLCB38	Add	SERVICE	SERV :(D) - 0.75(0.7(1.0(0.20)SY-0.3(0.20)SX)) + 0.75S
39	cLCB39	Add	SERVICE	SERV :0.6D + 0.7(1.0(0.20)SX+0.3(0.20)SY)
40	cLCB40	Add	SERVICE	SERV :0.6D + 0.7(1.0(0.20)SX-0.3(0.20)SY)
41	cLCB41	Add	SERVICE	SERV :0.6D + 0.7(1.0(0.20)SY+0.3(0.20)SX)
42	cLCB42	Add	SERVICE	SERV :0.6D + 0.7(1.0(0.20)SY-0.3(0.20)SX)
43	cLCB43	Add	SERVICE	SERV :0.6D - 0.7(1.0(0.20)SX+0.3(0.20)SY)
44	cLCB44	Add	SERVICE	SERV :0.6D - 0.7(1.0(0.20)SX-0.3(0.20)SY)
45	cLCB45	Add	SERVICE	SERV :0.6D - 0.7(1.0(0.20)SY+0.3(0.20)SX)
46	cLCB46	Add	SERVICE	SERV :0.6D - 0.7(1.0(0.20)SY-0.3(0.20)SX)
47	ENVCIM	Envelope	STRENGTH	