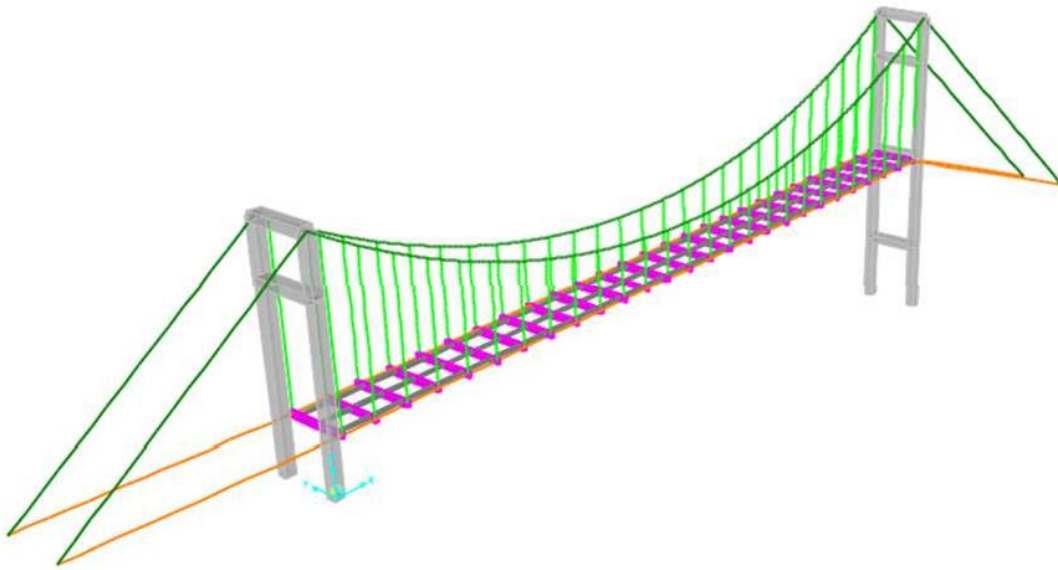


**ELABORACIÓN DE ESTUDIOS Y DISEÑOS PARA LA CONSTRUCCIÓN DEL
PUENTE PEATONAL SOBRE LA QUEBRADA LA QUITAZ, VEREDA OTRO
MUNDO DEL MUNICIPIO DE FLORIÁN, SANTANDER, EN CUMPLIMIENTO DEL
CONVENIO INTERADMINISTRATIVO NO. MF-CI-004-2024 SUSCRITO CON EL
MUNICIPIO DE LA BELLEZA, SANTANDER**



MEMORIA DE CÁLCULOS ESTRUCTURALES

A handwritten signature in black ink, appearing to read 'CARLOS ALFONSO HERNANDEZ COCUNUBO'.

CARLOS ALFONSO HERNÁNDEZ COCUNUBO
Ingeniero Civil, Especialista en Estructuras USTA
No Matricula Profesional: 15202-280995 BYC
Enero de 2025, Tunja (Boyacá).

CARLOS ALFONSO HERNANDEZ COCUNUBO
INGENIERO CIVIL, ESPECIALISTA EN INGENIERIA DE ESTRUCTURAS, USTA COLOMBIA

**ELABORACIÓN DE ESTUDIOS Y DISEÑOS PARA LA CONSTRUCCIÓN DEL
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Memoria de Cálculos Estructurales

Descripción del Proyecto

El proyecto se localiza sobre la quebrada La Quitaz, en zona rural del Municipio de Florián (Santander) y consiste en la construcción de una estructura de puente colgante. El sistema estructural utilizado está compuesto por torres de suspensión en concreto reforzado, tablero metálico y cables principales, secundarios y pendolones en acero; el sistema de suspensión se ancla a los macizos de concreto. La cimentación de las torres de suspensión consiste en una zapata combinada diseñada de acuerdo a lo descrito en el estudio de suelos. Para el análisis y diseño estructural se ha tenido en cuenta los parámetros sísmicos del código colombiano de puentes 14 (CCP-14). En todos los casos se tuvo especial cuidado con los lineamientos contenidos en la NSR-10, CCP-14, AASHTO y los principios actualmente aceptados en el análisis y diseño de puentes, al igual que el estudio de suelos.

CARACTERÍSTICAS DE LOS MATERIALES

Elemento	F'c (MPa)	Fy (MPa)	Observaciones
Torres de suspensión, macizo de anclaje	28	-	
Zapatas y otros	28	-	
Acero de refuerzo	-	420	
Acero Perfilaría Tubular			ASTM A-500 G-C
Cables de acero		2609	ASTM A-416 G-270
Acero Platinas			ASTM A-36
Pernos de sujeción			ASTM A-325
Pernos de anclaje			ASTM F1554 G-36

* Los recubrimientos de concretos reforzados usados corresponden a concretos prefabricados en planta o contruidos en sitio pero con control estricto de la resistencia de diseño a los 28 días.

CARLOS ALFONSO HERNANDEZ COCUNUBO
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Descripción Software de Análisis y Diseño

SAP2000

El SAP2000 es un programa de elementos finitos, con interfaz gráfico 3D orientado a objetos, preparado para realizar, de forma totalmente integrada, la modelación, análisis y dimensionamiento de lo más amplio conjunto de problemas de ingeniería de estructuras. Conocido por la flexibilidad en el al tipo de estructuras que permite analizar, por su poder de cálculo y por la fiabilidad de los resultados, SAP2000 es la herramienta diaria de trabajo de miles de ingenieros en todo el mundo. La amplia gama de aplicabilidad de los programas de CSI permite su utilización en el dimensionamiento de puentes, edificios, estadios, presas, estructuras industriales, estructuras marítimas y todo tipo de infraestructura que necesite ser analizada y dimensionada.

AVALUO DE CARGAS

CARGA MUERTA SOBRE IMPUESTA POR M2

ITEM	CARGA (Ton/m2)
LAMINA DE ALFAJOR 5mm	0.041
ELEMENTOS DE FIJACION Y SOPORTE	0.005
INSTALACIONES ADICIONALES	0.03
TOTAL	0.076

CARGA MUERTA POR ML

AFERENCIA ENTRE PERFILES (m)	CARGA (Ton/m)
1.05	0.080

CARGA VIVA PEATONAL POR M2 (AASHTO LRFD, SECCION 1.2.1.1)

ITEM	CARGA (Ton/m2)
Peatonal y/o bicicletas	0.415

CARGA VIVA POR ML

AFERENCIA ENTRE PERFILES (m)	CARGA (Ton/m)
1.05	0.436

CARGA VIVA DE VEHICULO (5 TONELADAS) (AASHTO LRFD, SECCION 1.2.1.2)

ITEM	CARGA (Ton/m2)
VEHICULO DE MANTENIMIENTO (L=5.23m x A=1.80m)	0.531

CARGA VIVA VEHICULAR POR ML

AFERENCIA ENTRE PERFILES (m)	CARGA (Ton/m)
1.05	0.558

CARGA VIENTO POR M2 (AASHTO LRFD, SECCION 1.2.2)

ITEM	CARGA (Ton/m2)
PUENTES ARMADURA ABIERTA	0.171

CARGA VIENTO POR ML HORIZONTAL

H VIGA (m)	CARGA (Ton/m)
0.25	0.0427

ANALISIS SISMICO CCP-14

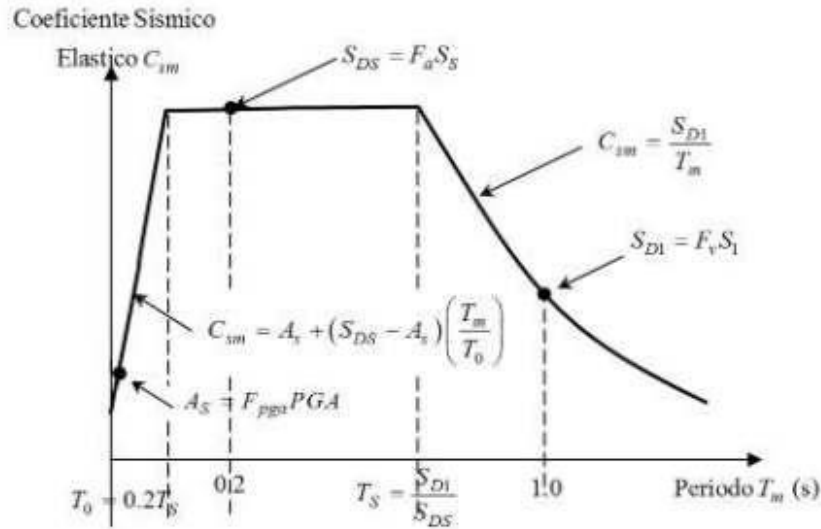


Figura. Espectro de aceleraciones de diseño para 5% de amortiguamiento.

Table: Function - Response Spectrum - AASHTO 2012, Part 1 of 2

Table: Function - Response Spectrum - AASHTO 2012, Part 1 of 2

Name	Period Sec	Accel	FuncDamp	AccOption	Ss	S1	PGA
AASHTO 2012	0	0.325	0.05	User	0.5	0.25	0.25
AASHTO 2012	0.045238	0.45					
AASHTO 2012	0.090476	0.575					
AASHTO 2012	0.135714	0.7					
AASHTO 2012	0.678571	0.7					
AASHTO 2012	0.8	0.59375					
AASHTO 2012	1	0.475					
AASHTO 2012	1.2	0.395833					
AASHTO 2012	1.4	0.339286					
AASHTO 2012	1.6	0.296875					
AASHTO 2012	1.8	0.263889					
AASHTO 2012	2	0.2375					
AASHTO 2012	2.5	0.19					
AASHTO 2012	3	0.158333					
AASHTO 2012	3.5	0.135714					
AASHTO 2012	4	0.11875					
AASHTO 2012	4.5	0.105556					
AASHTO 2012	5	0.095					
AASHTO 2012	5.5	0.086364					
AASHTO 2012	6	0.079167					
AASHTO 2012	6.5	0.073077					
AASHTO 2012	7	0.067857					
AASHTO 2012	7.5	0.063333					
AASHTO 2012	8	0.059375					
AASHTO 2012	8.5	0.055882					
AASHTO 2012	9	0.052778					

Table: Function - Response Spectrum - AASHTO 2012, Part 1 of 2

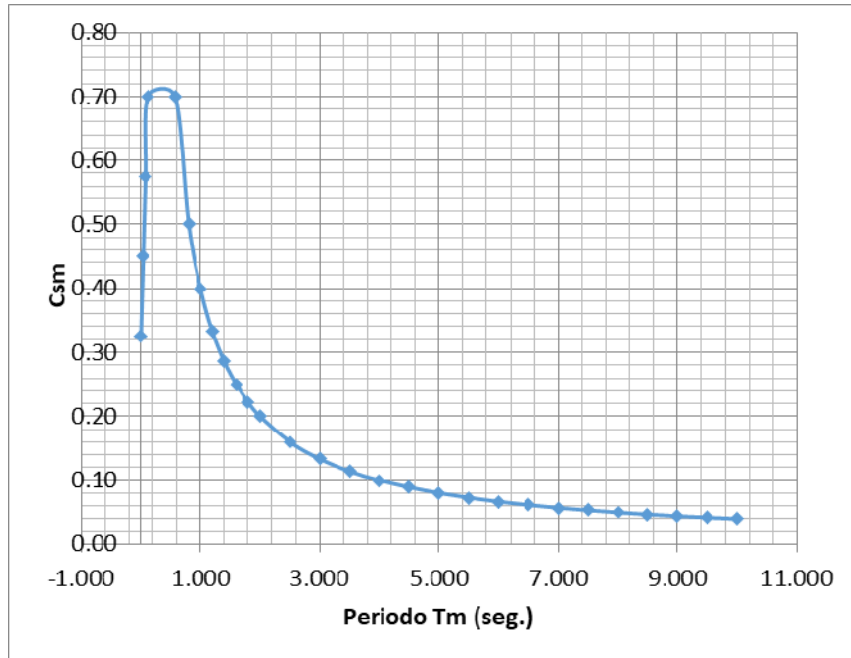
Name	Period Sec	Accel	FuncDamp	AccOption	Ss	S1	PGA
AASHTO 2012	9.5	0.05					
AASHTO 2012	10	0.0475					

Table: Function - Response Spectrum - AASHTO 2012, Part 2 of 2

Table: Function - Response Spectrum - AASHTO 2012, Part 2 of 2

Name	Period Sec	SiteClass	Fa	Fv	Fpga	SDS	SD1
AASHTO 2012	0	D	1.4	1.9	1.3	0.7	0.475
AASHTO 2012	0.045238						
AASHTO 2012	0.090476						
AASHTO 2012	0.135714						
AASHTO 2012	0.678571						
AASHTO 2012	0.8						
AASHTO 2012	1						
AASHTO 2012	1.2						
AASHTO 2012	1.4						
AASHTO 2012	1.6						
AASHTO 2012	1.8						
AASHTO 2012	2						
AASHTO 2012	2.5						
AASHTO 2012	3						
AASHTO 2012	3.5						
AASHTO 2012	4						
AASHTO 2012	4.5						
AASHTO 2012	5						
AASHTO 2012	5.5						
AASHTO 2012	6						
AASHTO 2012	6.5						
AASHTO 2012	7						
AASHTO 2012	7.5						
AASHTO 2012	8						
AASHTO 2012	8.5						
AASHTO 2012	9						
AASHTO 2012	9.5						
AASHTO 2012	10						

ESPECTRO DE DISEÑO CCP-14



Grafica. Espectro de diseño CCP-14

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COMBINACIONES DE DISEÑO

Table: Combination Definitions

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ComboName	ComboType	CaseType	CaseName	ScaleFactor
COMBO1	Linear Add	Linear Static	DEAD	1.25
COMBO1		Linear Static	LIVE	1.75
COMBO2	Linear Add	Linear Static	DEAD	1.25
COMBO2		Linear Static	LIVE	1.35
COMBO2		Linear Static	VIENTOX	0.4
COMBO3	Linear Add	Linear Static	DEAD	1.25
COMBO3		Response Spectrum	SX	1
COMBO3		Response Spectrum	SY	0.3
COMBO4	Linear Add	Linear Static	DEAD	1.25
COMBO4		Response Spectrum	SX	1
COMBO4		Response Spectrum	SY	-0.3
COMBO5	Linear Add	Linear Static	DEAD	1.25
COMBO5		Response Spectrum	SX	-1
COMBO5		Response Spectrum	SY	0.3
COMBO6	Linear Add	Linear Static	DEAD	1.25
COMBO6		Response Spectrum	SX	-1
COMBO6		Response Spectrum	SY	-0.3
COMBO7	Linear Add	Linear Static	DEAD	1.25
COMBO7		Response Spectrum	SY	1
COMBO7		Response Spectrum	SX	0.3
COMBO8	Linear Add	Linear Static	DEAD	1.25
COMBO8		Response Spectrum	SY	1
COMBO8		Response Spectrum	SX	-0.3
COMBO9	Linear Add	Linear Static	DEAD	1.25
COMBO9		Response Spectrum	SY	-1
COMBO9		Response Spectrum	SX	0.3
COMBO10	Linear Add	Linear Static	DEAD	1.25
COMBO10		Response Spectrum	SY	-1
COMBO10		Response Spectrum	SX	-0.3
COMBO11	Linear Add	Linear Static	DEAD	1
COMBO11		Linear Static	LIVE	1
COMBO11		Linear Static	VIENTOX	0.3
ENVOLVENTE	Envelope	Response Combo	COMBO1	1
ENVOLVENTE		Response Combo	COMBO2	1
ENVOLVENTE		Response Combo	COMBO3	1
ENVOLVENTE		Response Combo	COMBO4	1
ENVOLVENTE		Response Combo	COMBO5	1
ENVOLVENTE		Response Combo	COMBO6	1
ENVOLVENTE		Response Combo	COMBO7	1
ENVOLVENTE		Response Combo	COMBO8	1
ENVOLVENTE		Response Combo	COMBO9	1
ENVOLVENTE		Response Combo	COMBO10	1
ENVOLVENTE		Response Combo	COMBO11	1
REAL	Linear Add	Linear Static	DEAD	1
REAL		Linear Static	LIVE	1

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MATERIALES Y SECCIONES

Table: Frame Section Properties 01 - General, Part 1 of 2

Table: Frame Section Properties 01 - General, Part 1 of 2

SectionName	Material	Shape	t3 m	t2 m	tf m	tw m
C50X60	4000Psi	Rectangular	0.6	0.5		
PCC100X100X3mm	A500GC	Box/Tube	0.1	0.1	0.003	0.003
PRC250X150X5mm	A500GC	Box/Tube	0.25	0.15	0.005	0.005
V60X40	4000Psi	Rectangular	0.4	0.6		

Table: Frame Section Properties 01 - General, Part 2 of 2

**Table: Frame Section Properties
01 - General, Part 2 of 2**

SectionName	TotalWt Tonf
C50X60	38.204
PCC100X100X3mm	1.0689
PRC250X150X5mm	2.3969
V60X40	9.342

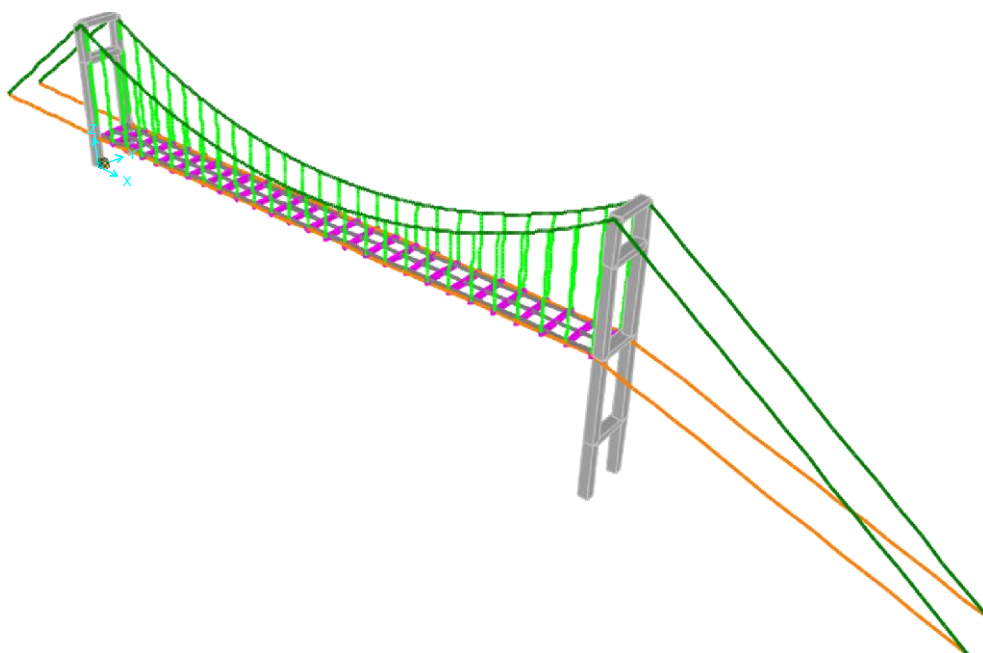
Table: Cable Section Definitions 02

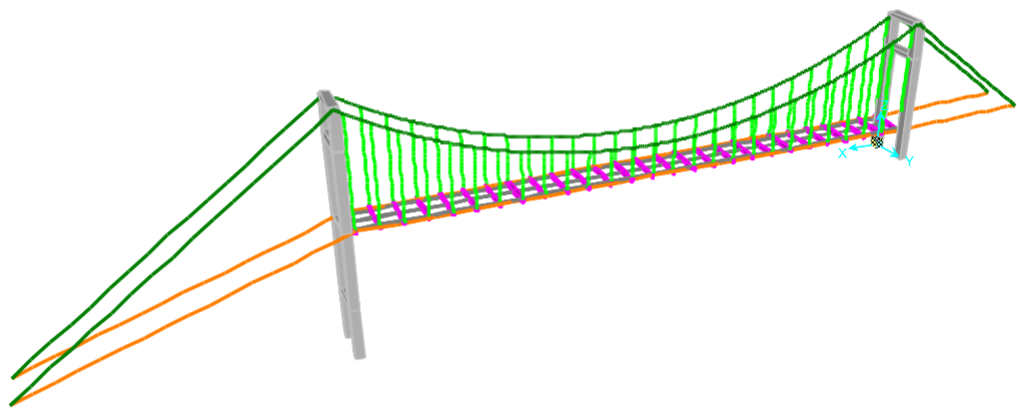
Table: Cable Section Definitions

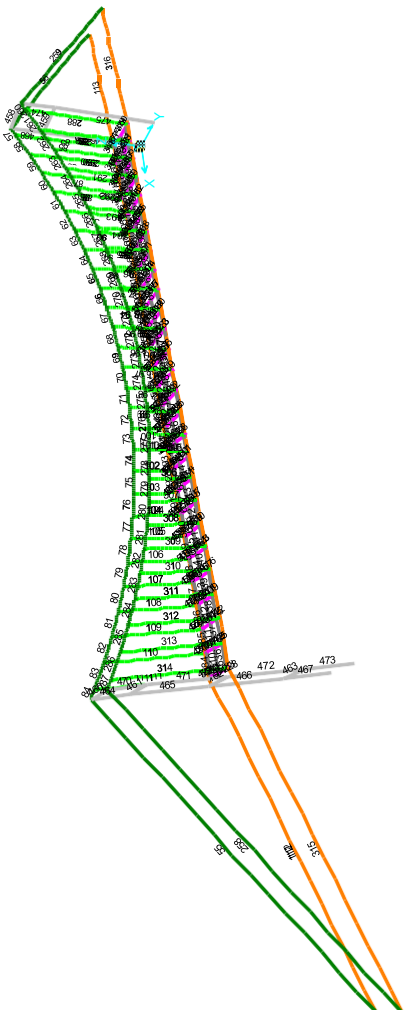
CableSect	Material	Diameter m	Area m2	AS m2	TotalWt Tonf
CAB1 5/8"	A416Gr270	0.041366	0.001344	0.00121	1.4849
CABLE1/2	A416Gr270	0.012728	0.000127	0.000115	0.2193
CABLE2DE1 "	A416Gr270	0.050912	0.002036	0.001832	2.5125

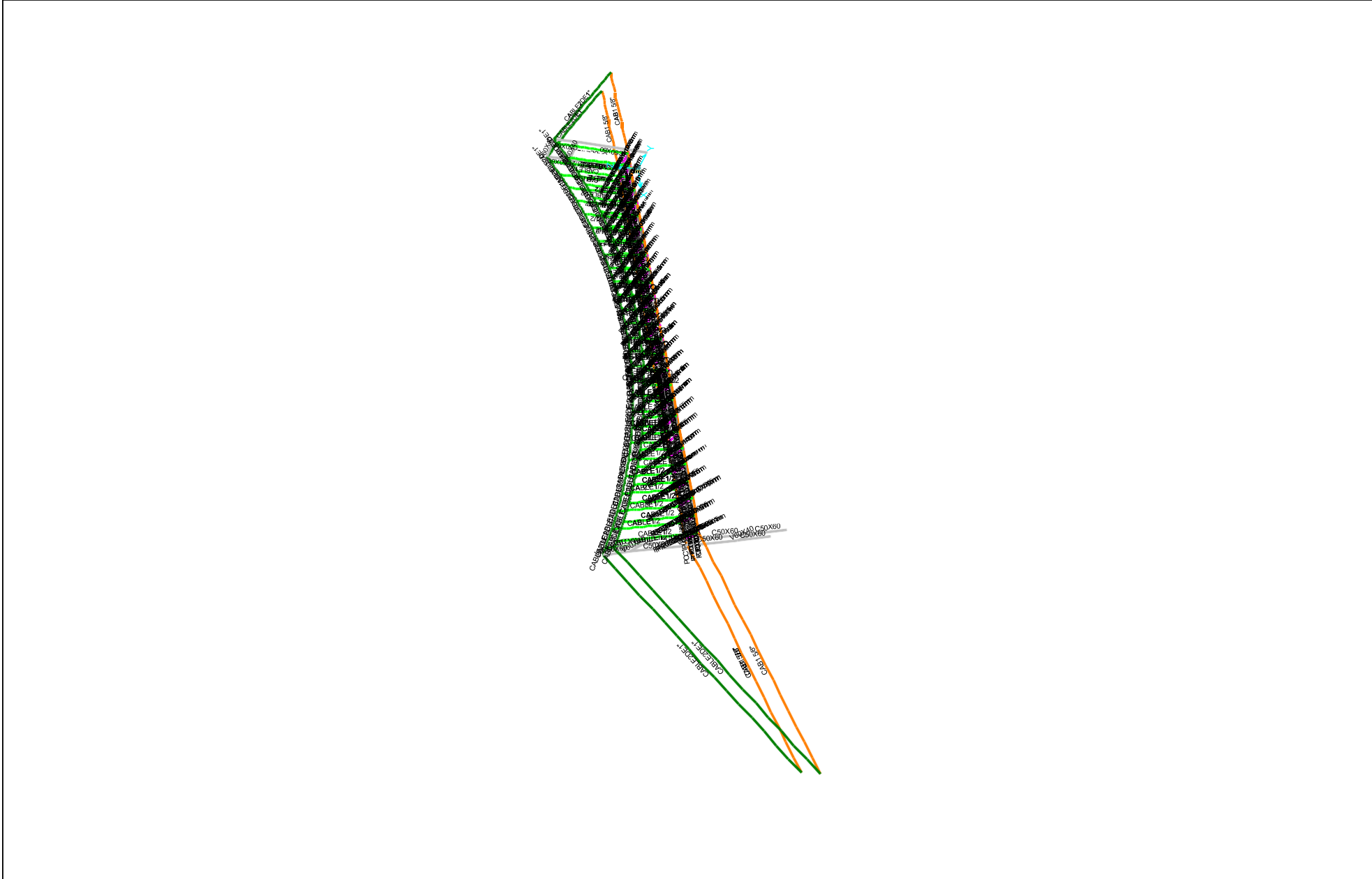
CARLOS ALFONSO HERNANDEZ COCUNUBO

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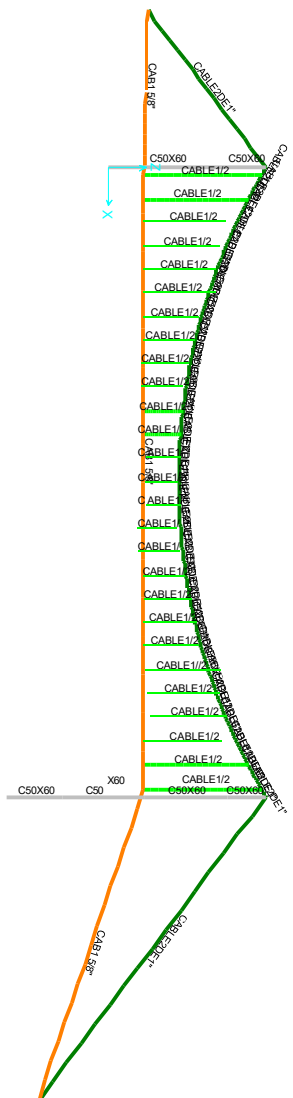


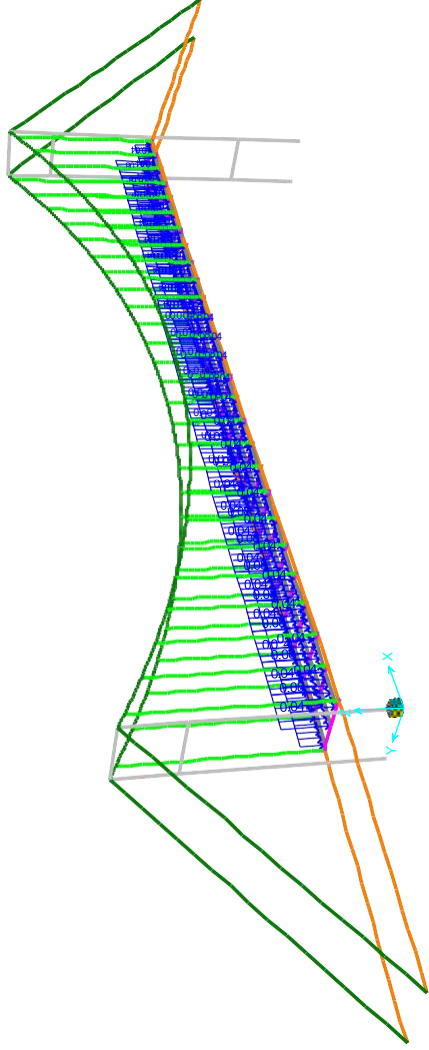


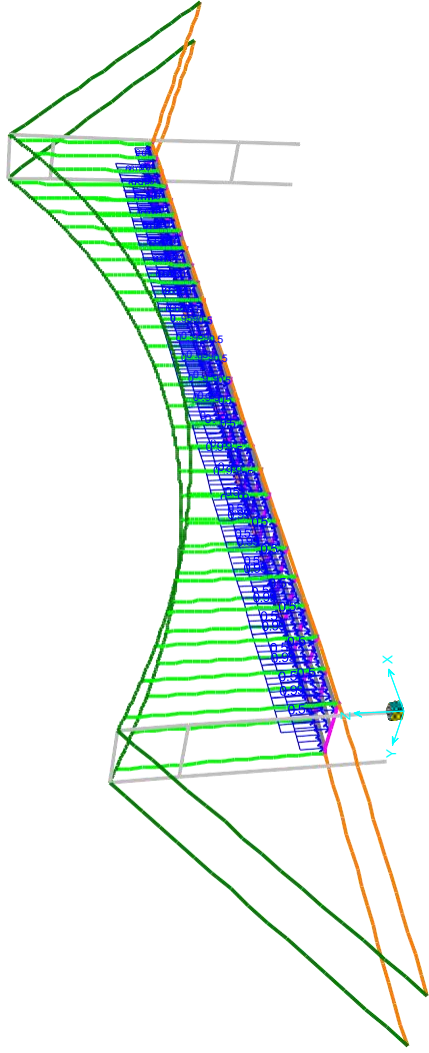


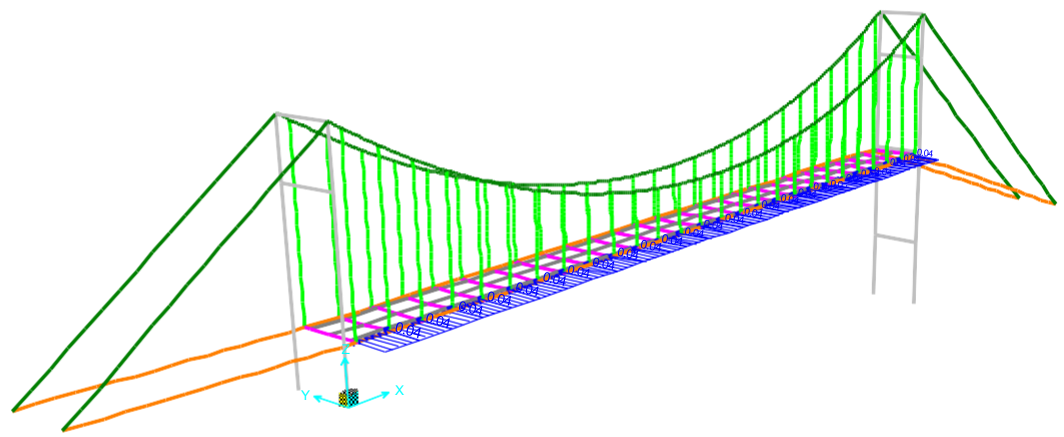


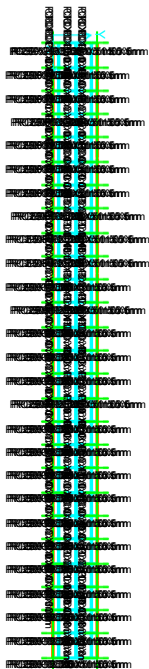












DISEÑO DE ESTRUCTURA METALICA DE TABLERO

Table: Steel Design 1 - Summary Data - AISC 360-10

Table: Steel Design 1 - Summary Data - AISC 360-10

Frame	DesignSect	DesignType	Ratio	RatioType	Combo
348	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
350	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
351	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
353	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
354	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
356	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
357	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
359	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
360	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
362	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
363	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
365	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
366	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
368	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
369	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
371	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
372	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
374	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
375	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
377	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
378	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
380	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
381	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
383	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
384	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
386	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
387	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
389	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
390	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
392	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
393	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
395	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
396	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
398	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
399	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
401	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
402	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
404	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
405	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
407	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
408	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
410	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
411	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
413	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
414	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
416	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
417	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
419	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
420	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7

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Table: Steel Design 1 - Summary Data - AISC 360-10

Frame	DesignSect	DesignType	Ratio	RatioType	Combo
422	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
423	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
425	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
426	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
428	PRC250X150X5mm	Beam	8.6E-05	Major Shear	COMBO7
476	PRC250X150X5mm	Beam	0.300777	PMM	COMBO1
477	PRC250X150X5mm	Beam	0.302772	PMM	COMBO1
478	PRC250X150X5mm	Beam	0.302772	PMM	COMBO1
479	PRC250X150X5mm	Beam	0.300777	PMM	COMBO1
480	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
481	PRC250X150X5mm	Beam	0.373138	PMM	COMBO1
482	PRC250X150X5mm	Beam	0.373138	PMM	COMBO1
483	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
484	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
485	PRC250X150X5mm	Beam	0.329469	PMM	COMBO1
486	PRC250X150X5mm	Beam	0.329469	PMM	COMBO1
487	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
488	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
489	PRC250X150X5mm	Beam	0.298351	PMM	COMBO1
490	PRC250X150X5mm	Beam	0.298351	PMM	COMBO1
491	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
492	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
493	PRC250X150X5mm	Beam	0.27703	PMM	COMBO1
494	PRC250X150X5mm	Beam	0.27703	PMM	COMBO1
495	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
496	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
497	PRC250X150X5mm	Beam	0.262436	PMM	COMBO1
498	PRC250X150X5mm	Beam	0.262436	PMM	COMBO1
499	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
500	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
501	PRC250X150X5mm	Beam	0.252437	PMM	COMBO1
502	PRC250X150X5mm	Beam	0.252437	PMM	COMBO1
503	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
504	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
505	PRC250X150X5mm	Beam	0.245572	PMM	COMBO1
506	PRC250X150X5mm	Beam	0.245572	PMM	COMBO1
507	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
508	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
509	PRC250X150X5mm	Beam	0.24084	PMM	COMBO1
510	PRC250X150X5mm	Beam	0.24084	PMM	COMBO1
511	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
512	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
513	PRC250X150X5mm	Beam	0.237548	PMM	COMBO1
514	PRC250X150X5mm	Beam	0.237548	PMM	COMBO1
515	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
516	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
517	PRC250X150X5mm	Beam	0.235216	PMM	COMBO1
518	PRC250X150X5mm	Beam	0.235216	PMM	COMBO1
519	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
520	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
521	PRC250X150X5mm	Beam	0.233502	PMM	COMBO1
522	PRC250X150X5mm	Beam	0.233502	PMM	COMBO1
523	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1

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Table: Steel Design 1 - Summary Data - AISC 360-10

Frame	DesignSect	DesignType	Ratio	RatioType	Combo
524	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
525	PRC250X150X5mm	Beam	0.232156	PMM	COMBO1
526	PRC250X150X5mm	Beam	0.232156	PMM	COMBO1
527	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
528	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
529	PRC250X150X5mm	Beam	0.230982	PMM	COMBO1
530	PRC250X150X5mm	Beam	0.230982	PMM	COMBO1
531	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
532	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
533	PRC250X150X5mm	Beam	0.232156	PMM	COMBO1
534	PRC250X150X5mm	Beam	0.232156	PMM	COMBO1
535	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
536	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
537	PRC250X150X5mm	Beam	0.233502	PMM	COMBO1
538	PRC250X150X5mm	Beam	0.233502	PMM	COMBO1
539	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
540	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
541	PRC250X150X5mm	Beam	0.235216	PMM	COMBO1
542	PRC250X150X5mm	Beam	0.235216	PMM	COMBO1
543	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
544	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
545	PRC250X150X5mm	Beam	0.237548	PMM	COMBO1
546	PRC250X150X5mm	Beam	0.237548	PMM	COMBO1
547	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
548	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
549	PRC250X150X5mm	Beam	0.24084	PMM	COMBO1
550	PRC250X150X5mm	Beam	0.24084	PMM	COMBO1
551	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
552	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
553	PRC250X150X5mm	Beam	0.245572	PMM	COMBO1
554	PRC250X150X5mm	Beam	0.245572	PMM	COMBO1
555	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
556	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
557	PRC250X150X5mm	Beam	0.252437	PMM	COMBO1
558	PRC250X150X5mm	Beam	0.252437	PMM	COMBO1
559	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
560	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
561	PRC250X150X5mm	Beam	0.262436	PMM	COMBO1
562	PRC250X150X5mm	Beam	0.262436	PMM	COMBO1
563	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
564	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
565	PRC250X150X5mm	Beam	0.27703	PMM	COMBO1
566	PRC250X150X5mm	Beam	0.27703	PMM	COMBO1
567	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
568	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
569	PRC250X150X5mm	Beam	0.298351	PMM	COMBO1
570	PRC250X150X5mm	Beam	0.298351	PMM	COMBO1
571	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
572	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
573	PRC250X150X5mm	Beam	0.329469	PMM	COMBO1
574	PRC250X150X5mm	Beam	0.329469	PMM	COMBO1
575	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
576	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1

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Table: Steel Design 1 - Summary Data - AISC 360-10

Frame	DesignSect	DesignType	Ratio	RatioType	Combo
577	PRC250X150X5mm	Beam	0.373138	PMM	COMBO1
578	PRC250X150X5mm	Beam	0.373138	PMM	COMBO1
579	PRC250X150X5mm	Beam	0.084238	PMM	COMBO1
580	PRC250X150X5mm	Beam	0.300777	PMM	COMBO1
581	PRC250X150X5mm	Beam	0.302772	PMM	COMBO1
582	PRC250X150X5mm	Beam	0.302772	PMM	COMBO1
583	PRC250X150X5mm	Beam	0.300777	PMM	COMBO1
584	PCC100X100X3mm	Beam	0.272179	PMM	COMBO1
585	PCC100X100X3mm	Beam	0.261126	PMM	COMBO1
586	PCC100X100X3mm	Beam	0.253567	PMM	COMBO1
587	PCC100X100X3mm	Beam	0.248399	PMM	COMBO1
588	PCC100X100X3mm	Beam	0.244867	PMM	COMBO1
589	PCC100X100X3mm	Beam	0.242454	PMM	COMBO1
590	PCC100X100X3mm	Beam	0.240808	PMM	COMBO1
591	PCC100X100X3mm	Beam	0.239689	PMM	COMBO1
592	PCC100X100X3mm	Beam	0.238933	PMM	COMBO1
593	PCC100X100X3mm	Beam	0.238429	PMM	COMBO1
594	PCC100X100X3mm	Beam	0.238104	PMM	COMBO1
595	PCC100X100X3mm	Beam	0.237911	PMM	COMBO1
596	PCC100X100X3mm	Beam	0.237821	PMM	COMBO1
597	PCC100X100X3mm	Beam	0.237821	PMM	COMBO1
598	PCC100X100X3mm	Beam	0.237911	PMM	COMBO1
599	PCC100X100X3mm	Beam	0.238104	PMM	COMBO1
600	PCC100X100X3mm	Beam	0.238429	PMM	COMBO1
601	PCC100X100X3mm	Beam	0.238933	PMM	COMBO1
602	PCC100X100X3mm	Beam	0.239689	PMM	COMBO1
603	PCC100X100X3mm	Beam	0.240808	PMM	COMBO1
604	PCC100X100X3mm	Beam	0.242454	PMM	COMBO1
605	PCC100X100X3mm	Beam	0.244867	PMM	COMBO1
606	PCC100X100X3mm	Beam	0.248399	PMM	COMBO1
607	PCC100X100X3mm	Beam	0.253567	PMM	COMBO1
608	PCC100X100X3mm	Beam	0.261126	PMM	COMBO1
609	PCC100X100X3mm	Beam	0.272179	PMM	COMBO1
610	PCC100X100X3mm	Beam	0.40186	PMM	COMBO1
611	PCC100X100X3mm	Beam	0.381458	PMM	COMBO1
612	PCC100X100X3mm	Beam	0.393369	PMM	COMBO1
613	PCC100X100X3mm	Beam	0.403705	PMM	COMBO1
614	PCC100X100X3mm	Beam	0.41077	PMM	COMBO1
615	PCC100X100X3mm	Beam	0.415595	PMM	COMBO1
616	PCC100X100X3mm	Beam	0.418887	PMM	COMBO1
617	PCC100X100X3mm	Beam	0.421125	PMM	COMBO1
618	PCC100X100X3mm	Beam	0.422638	PMM	COMBO1
619	PCC100X100X3mm	Beam	0.423645	PMM	COMBO1
620	PCC100X100X3mm	Beam	0.424295	PMM	COMBO1
621	PCC100X100X3mm	Beam	0.424681	PMM	COMBO1
622	PCC100X100X3mm	Beam	0.424862	PMM	COMBO1
623	PCC100X100X3mm	Beam	0.424862	PMM	COMBO1
624	PCC100X100X3mm	Beam	0.424681	PMM	COMBO1
625	PCC100X100X3mm	Beam	0.424295	PMM	COMBO1
626	PCC100X100X3mm	Beam	0.423645	PMM	COMBO1
627	PCC100X100X3mm	Beam	0.422638	PMM	COMBO1
628	PCC100X100X3mm	Beam	0.421125	PMM	COMBO1
629	PCC100X100X3mm	Beam	0.418887	PMM	COMBO1

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Table: Steel Design 1 - Summary Data - AISC 360-10

Frame	DesignSect	DesignType	Ratio	RatioType	Combo
630	PCC100X100X3mm	Beam	0.415595	PMM	COMBO1
631	PCC100X100X3mm	Beam	0.41077	PMM	COMBO1
632	PCC100X100X3mm	Beam	0.403705	PMM	COMBO1
633	PCC100X100X3mm	Beam	0.393369	PMM	COMBO1
634	PCC100X100X3mm	Beam	0.381458	PMM	COMBO1
635	PCC100X100X3mm	Beam	0.40186	PMM	COMBO1
636	PCC100X100X3mm	Beam	0.272179	PMM	COMBO1
637	PCC100X100X3mm	Beam	0.261126	PMM	COMBO1
638	PCC100X100X3mm	Beam	0.253567	PMM	COMBO1
639	PCC100X100X3mm	Beam	0.248399	PMM	COMBO1
640	PCC100X100X3mm	Beam	0.244867	PMM	COMBO1
641	PCC100X100X3mm	Beam	0.242454	PMM	COMBO1
642	PCC100X100X3mm	Beam	0.240808	PMM	COMBO1
643	PCC100X100X3mm	Beam	0.239689	PMM	COMBO1
644	PCC100X100X3mm	Beam	0.238933	PMM	COMBO1
645	PCC100X100X3mm	Beam	0.238429	PMM	COMBO1
646	PCC100X100X3mm	Beam	0.238104	PMM	COMBO1
647	PCC100X100X3mm	Beam	0.237911	PMM	COMBO1
648	PCC100X100X3mm	Beam	0.237821	PMM	COMBO1
649	PCC100X100X3mm	Beam	0.237821	PMM	COMBO1
650	PCC100X100X3mm	Beam	0.237911	PMM	COMBO1
651	PCC100X100X3mm	Beam	0.238104	PMM	COMBO1
652	PCC100X100X3mm	Beam	0.238429	PMM	COMBO1
653	PCC100X100X3mm	Beam	0.238933	PMM	COMBO1
654	PCC100X100X3mm	Beam	0.239689	PMM	COMBO1
655	PCC100X100X3mm	Beam	0.240808	PMM	COMBO1
656	PCC100X100X3mm	Beam	0.242454	PMM	COMBO1
657	PCC100X100X3mm	Beam	0.244867	PMM	COMBO1
658	PCC100X100X3mm	Beam	0.248399	PMM	COMBO1
659	PCC100X100X3mm	Beam	0.253567	PMM	COMBO1
660	PCC100X100X3mm	Beam	0.261126	PMM	COMBO1
661	PCC100X100X3mm	Beam	0.272179	PMM	COMBO1

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DISEÑO DE COLUMNAS, TORRE DE SUSPENSION

Table: Concrete Design 1 - Column Summary Data - ACI 318-14

Table: Concrete Design 1 - Column Summary Data - ACI 318-14

Frame	DesignSect	DesignType	DesignOpt	PMMCombo	PMMArea cm2
464	C50X60	Column	Design	COMBO1	30
464	C50X60	Column	Design	COMBO1	30
464	C50X60	Column	Design	COMBO1	30
465	C50X60	Column	Design	COMBO1	30
465	C50X60	Column	Design	COMBO1	30
465	C50X60	Column	Design	COMBO1	30
466	C50X60	Column	Design	COMBO1	30
466	C50X60	Column	Design	COMBO1	30
466	C50X60	Column	Design	COMBO1	30
467	C50X60	Column	Design	COMBO1	30
467	C50X60	Column	Design	COMBO1	30
467	C50X60	Column	Design	COMBO7	34.0632
468	C50X60	Column	Design	COMBO1	30
468	C50X60	Column	Design	COMBO1	30
468	C50X60	Column	Design	COMBO1	30
469	C50X60	Column	Design	COMBO1	30
469	C50X60	Column	Design	COMBO1	30
469	C50X60	Column	Design	COMBO1	30
470	C50X60	Column	Design	COMBO1	30
470	C50X60	Column	Design	COMBO1	30
470	C50X60	Column	Design	COMBO1	30
471	C50X60	Column	Design	COMBO1	30
471	C50X60	Column	Design	COMBO1	30
471	C50X60	Column	Design	COMBO1	30
472	C50X60	Column	Design	COMBO1	30
472	C50X60	Column	Design	COMBO1	30
472	C50X60	Column	Design	COMBO1	30
473	C50X60	Column	Design	COMBO1	30
473	C50X60	Column	Design	COMBO1	30
473	C50X60	Column	Design	COMBO7	34.0632
474	C50X60	Column	Design	COMBO1	30
474	C50X60	Column	Design	COMBO1	30
474	C50X60	Column	Design	COMBO1	30
475	C50X60	Column	Design	COMBO1	30
475	C50X60	Column	Design	COMBO1	30
475	C50X60	Column	Design	COMBO1	30

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DISEÑO DE VIGAS, TORRE DE SUSPENSION

Table: Concrete Design 2 - Beam Summary Data - ACI 318-14

Table: Concrete Design 2 - Beam Summary Data - ACI 318-14

Frame	DesignSect	DesignType	FTopCombo	FTopArea cm2	FBotCombo	FBotArea cm2
458	V60X40	Beam	COMBO10	0.3781	COMBO10 (Sp)	0.1889
458	V60X40	Beam	COMBO10 (Sp)	0.0944	COMBO10 (Sp)	0.0944
458	V60X40	Beam	COMBO10 (Sp)	0.0944	COMBO10	0.2257
458	V60X40	Beam	COMBO10 (Sp)	0.0944	COMBO10	0.3012
458	V60X40	Beam	COMBO10 (Sp)	0.0944	COMBO10	0.2257
458	V60X40	Beam	COMBO10 (Sp)	0.0944	COMBO10 (Sp)	0.0944
458	V60X40	Beam	COMBO10	0.3781	COMBO10 (Sp)	0.1889
459	V60X40	Beam	COMBO10	0.4008	COMBO10 (Sp)	0.2003
459	V60X40	Beam	COMBO10 (Sp)	0.1001	COMBO10 (Sp)	0.1001
459	V60X40	Beam	COMBO10 (Sp)	0.1001	COMBO10	0.2029
459	V60X40	Beam	COMBO10 (Sp)	0.1001	COMBO10	0.2784
459	V60X40	Beam	COMBO10 (Sp)	0.1001	COMBO10	0.2029
459	V60X40	Beam	COMBO10 (Sp)	0.1001	COMBO10 (Sp)	0.1001
459	V60X40	Beam	COMBO10	0.4008	COMBO10 (Sp)	0.2003
460	V60X40	Beam	COMBO10	0.3728	COMBO10 (Sp)	0.1863
460	V60X40	Beam	COMBO10 (Sp)	0.0931	COMBO10 (Sp)	0.0931
460	V60X40	Beam	COMBO10 (Sp)	0.0931	COMBO10	0.2309
460	V60X40	Beam	COMBO10 (Sp)	0.0931	COMBO10	0.3065
460	V60X40	Beam	COMBO10 (Sp)	0.0931	COMBO10	0.2309
460	V60X40	Beam	COMBO10 (Sp)	0.0931	COMBO10 (Sp)	0.0931
460	V60X40	Beam	COMBO10	0.3728	COMBO10 (Sp)	0.1863
461	V60X40	Beam	COMBO10	0.417	COMBO10 (Sp)	0.2084
461	V60X40	Beam	COMBO10 (Sp)	0.1042	COMBO10 (Sp)	0.1042
461	V60X40	Beam	COMBO10 (Sp)	0.1042	COMBO10	0.1867
461	V60X40	Beam	COMBO10 (Sp)	0.1042	COMBO10	0.2622
461	V60X40	Beam	COMBO10 (Sp)	0.1042	COMBO10	0.1867
461	V60X40	Beam	COMBO10 (Sp)	0.1042	COMBO10 (Sp)	0.1042
461	V60X40	Beam	COMBO10	0.417	COMBO10 (Sp)	0.2084
462	V60X40	Beam	COMBO10	0.3816	COMBO10 (Sp)	0.1907
462	V60X40	Beam	COMBO10 (Sp)	0.0953	COMBO10 (Sp)	0.0953
462	V60X40	Beam	COMBO10 (Sp)	0.0953	COMBO10	0.2222
462	V60X40	Beam	COMBO10 (Sp)	0.0953	COMBO10	0.2977
462	V60X40	Beam	COMBO10 (Sp)	0.0953	COMBO10	0.2222
462	V60X40	Beam	COMBO10 (Sp)	0.0953	COMBO10 (Sp)	0.0953
462	V60X40	Beam	COMBO10	0.3816	COMBO10 (Sp)	0.1907
463	V60X40	Beam	COMBO10	0.3865	COMBO10 (Sp)	0.1931
463	V60X40	Beam	COMBO10 (Sp)	0.0965	COMBO10 (Sp)	0.0965
463	V60X40	Beam	COMBO10 (Sp)	0.0965	COMBO10	0.2172
463	V60X40	Beam	COMBO10 (Sp)	0.0965	COMBO10	0.2928
463	V60X40	Beam	COMBO10 (Sp)	0.0965	COMBO10	0.2172
463	V60X40	Beam	COMBO10 (Sp)	0.0965	COMBO10 (Sp)	0.0965
463	V60X40	Beam	COMBO10	0.3865	COMBO10 (Sp)	0.1931

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CARGAS A CIMENTACION

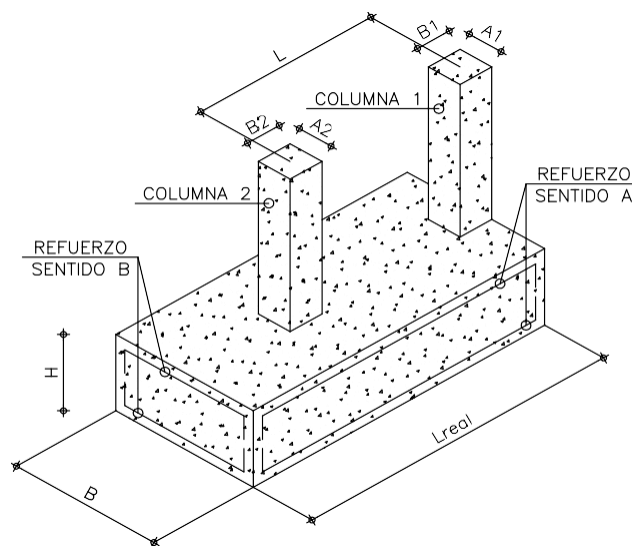
Table: Joint Reactions

Table: Joint Reactions			
Joint	OutputCase	CaseType	F3 Tonf
BASE T1 P1	REAL	Combination	3.791
BASE T1 P2	REAL	Combination	3.791
BASE T2 P1	REAL	Combination	7.0297
BASE T2 P2	REAL	Combination	7.0297

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ZAPATA COMBINADA TORRE DE SUSPENSION



DATOS

P1= 7.03 Ton
 P2= 7.03 Ton
 A1= 0.60 m
 B1= 0.50 m
 A2= 0.60 m
 B2= 0.50 m
 H= 0.60 m
 σ_s = 50.28 Ton/m²
 f'_c = 28 Mpa
 f_y = 420 Mpa
 L= 2.70 m
 B= 2.70 m
 Lreal= 4.20 m

GEOMETRIA

L Calculado: 3.30 m
 Carga Tot.= 16.45 Ton
 B= 0.10 m
 σ_{neto} = 42.60 Ton/m
 V_u = 7.35 Ton
 d = 0.30 m
 V_b = 3.20 m
 Ancho Viga: 2.20 m

Corte:

V_u = -21.09 t/m²
 ϕ_{vc} = 69.09 t/m²
 ok

q_t = 70.297
 V_u = -21.089
 ϕ_{vc} = 46.01
 ok

Flexión:

ϕM_n = 2.11 T.m
 ρ = 0.0033
 A_s = 0.0033 m²

ϕM_n = 2.1089 T.m
 ρ = 0.0033
 A_s = 0.0023 m²

Colocar:

#3c/ 0.07
 #4c/ 0.12
 #5c/ 0.20
 #6c/ 0.27
 #7c/ 0.40

DIMENSIONES		REFUERZO				
A	B	SENTIDO A	SENTIDO B	H	h	CANT.
4.20	2.70	# 5 c/15	# 5 c/15	0.60	0.60	1

DISEÑO DE SOLDADURA EN FILETE (NSR-10. F.2.10.2.2)

Tabla F.2.10.2-4
Tamaño Mínimo de Soldaduras de Filete

Espesor de la parte más delgada a unir, mm	Tamaño Mínimo de la Soldadura de Filete ^(a) mm
Hasta 6.4 inclusive	3
mayor que 6.4 a 12.7	5
mayor que 12.7	6
mayor que 19.1	8

^(a) Dimensión del lado de la soldadura de filete. Debe aplicarse en una sola pasada.

Nota: Véase el numeral F.2.10.2.2.2 para el máximo tamaño de soldaduras de filete.

El tamaño máximo de las soldaduras de filete será:

- (a) A lo largo de los bordes de un material con espesor menor que 6 mm: el espesor del material.
- (b) A lo largo de los bordes de un material con espesor de 6 mm o más: el espesor del material menos 1.6 mm; excepto cuando la soldadura se haya detallado en los planos para obtener el espesor completo de la garganta. En la soldadura ejecutada, se permite que la distancia entre el borde del metal base y el talón de la soldadura sea menor que 1.6 mm siempre y cuando el tamaño de la soldadura sea claramente verificable.

VIGAS Y VIGUETAS:

Todos los elementos que componen el tablero, como vigas y viguetas y demás elementos con un espesor menor a 6.4mm se deben soldar con un cordón continuo en filete en los bordes de un tamaño de **3mm**.

En los planos estructurales se indica en una nota el tamaño de las soldaduras (VER PLANOS).

CARRO DE DILATACION:

La conexión soldada en filete que une la platina de dilatación con la placa base, junto con los rigidizadores instalados allí, se debe realizar con un cordón continuo en filete, en el borde de **5mm**.

En los planos estructurales se indica en una nota el tamaño de las soldaduras (VER PLANOS).

DISEÑO DE ELEMENTOS DE SUSPENSION

CARGAS ACTUANTES

MOMENTO POR CARGA MUERTA

Peso de Lamina de Alfajor	80.00 Kg/m
Peso de Vigas	30.11 Kg/m
Peso de viguetas	8.96 Kg/m
Peso de elementos de instalacion y otros	35.00 Kg/m
$W_{tab} =$	154.07 Kg/m

Momento por carga muerta $M_d = W_d \cdot A^2 / 8$	9,321.24 Kg-cm
Cortante por carga muerta $V_d = W_d \cdot A / 2$	169.48 kg

MOMENTOS POR LA BARANDA

Peso de baranda (P)	30.00 Kg	Total por carga muerta
Momento de la baranda (M_b)	375.00 Kg-cm	9,696.24 Kg-cm
Cortante por la baranda muerta $V_b = P$	30.00 kg	199.48 kg

MOMENTOS POR S/C $ML = Sc \cdot A^2 / 8$	42,198.75 Kg-cm
Cortante por Sobrecarga $VL = Sc \cdot A / 2$	767.25 Kg

Esfuerzos actuantes totales a flexion $E = (M_d + M_b + ML) / S$	31.14	<	3514	CONFORME
Esfuerzos actuantes totales al corte $V = (V_d + V_b + VL) / R$	14.50	<	3514	CONFORME

DISEÑO DE PENDOLAS

Se usaran cables con alma de acero, que en sus extremos llevaran elementos de fijacion como grampas y platinas

$F_{adm} = 0.6 \cdot F_y$	$F_y =$	26600 Kg /cm ²
Cortante total	$P =$	966.73 Kg
$A_{pendola} = P / (0.6 \cdot F_y)$	$A_{pendola} =$	0.061 cm ²

PENDOLAS		
Diametro	As(cm ²)	peso(kg/ml)
1/2"	1.27	1.02
5/8"	1.98	1.58
3/4"	2.85	5

Se usaran pendolas de diametro= 1/2"

DISEÑO DE PLATINA DE SUJECION

Cortante total $P =$	966.73 Kg
Esfuerzo compresión mader	3514.00 Kg /cm ²
Area plancha	0.28 cm ²
Base de la vigueta	15.0 cm
Ancho de la plancha $a =$	10.0 cm (mínimo 5 cm)

Cálculo del espesor de la plancha (e)

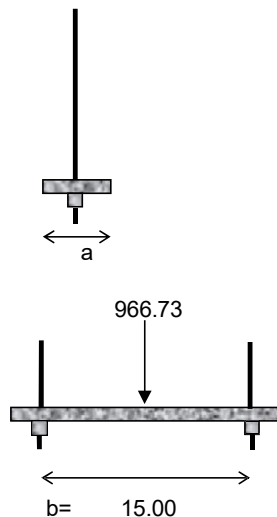
Momento $M_p = P_b / 4 =$	3,625.23 kg-cm
$F_{adm} = 0.6 \cdot F_y$	15960 Kg /cm ²

$$e = \sqrt{\frac{6 M_p}{a F_{adm}}}$$

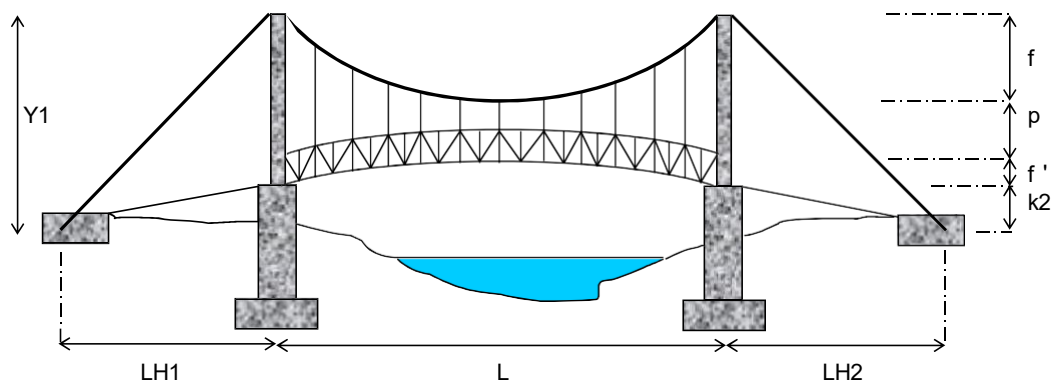
$e =$ **3.7** mm

Utilizar plancha de :

largo total =	15 cm
ancho =	10 cm
espesor =	6.36 mm (1/4")



DISEÑO DE CABLES PRINCIPALES



DATOS:

Longitud de torre a torre	L=	40 m
Ingreso flecha del cable	f=	5.55 m
Contraflecha	f'=	0 mts
Longitud horiz. fiador izquierdo	LH1=	12.8 mts
Longitud horiz. fiador derecho	LH2=	21.23 mts
Altura péndola mas pequeña	p=	2 mts
Profundidad anclaje izquierdo	k1=	2.5 mts
Profundidad anclaje derecho	k2=	9.4 mts

Altura del fiador izquierdo	Y1 =	10.05 m
Altura del fiador derecho	Y2 =	16.95 m

Calculo del peso distribuido del puente por metro lineal:

Peso de vigas, viguetas, lamina de alfajor	119.07 kg/m
Peso de barandas	30.00 kg/m
Peso de cables, principal y secundario	12.75 kg/m
Peso de pendolas	0.69 kg/m
Total peso muerto	162.51 kg/m
Sobrecarga	697.50 kg/m
TOTAL CARGAS	P= 860.01 kg/m

FACTOR SEGURIDAD

$$N = f/L = 0.14$$

TENSION HORIZONTAL $H = \frac{PL^2}{8f} = 30,991.35 \text{ kg}$

TENSION EN EL CABLE $T = \frac{PL^2}{8f} \sqrt{1+N^2} = 35,444.47 \text{ kg}$

TENSION $T_u = FS \cdot T = 88.61 \text{ Tn}$

Ingrese el numero del cable a usar **3**

Se usaran 1.97 cables

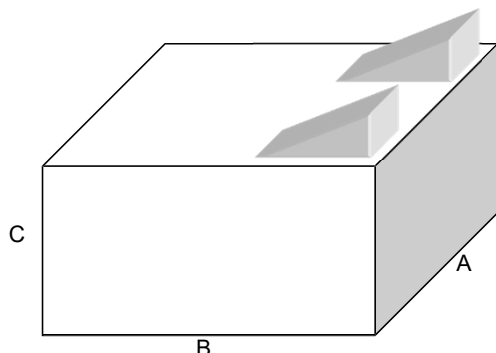
USAR 2 CABLES 02 por Banda

Indicar el número de cables a usar por banda:

Area = **USAR 2 CABLES DE 1"**
10.62 cm² por banda

CABLE PRINCIPAL			
Ø	No	Area (cm ²)	R,E,R (TN)
1/2"	0	1.33	19.8
3/4"	1	2.84	23.75
7/8"	2	3.80	32.13
1"	3	5.31	44.9
1 1/8"	4	6.61	52.49
1 1/4"	5	8.04	64.47
1 3/8"	6	9.62	77.54
1 1/2"	7	11.34	91.8
1 5/8"	8	13.85	105.77
1 3/4"	9	15.90	123.74

DISEÑO DE CAMARA DE ANCLAJES



Para nuestro caso utilizaremos una cámara de concreto sólido de $f'c=4000$ psi (28Mpa) y utilizaremos una sola cámara para los dos grupos de cables

DATOS :

Ancho cámara anclaje	A=	4.60 mts
Largo cámara anclaje	B=	4.00 mts
Profundidad cámara anclaje	C=	2.50 mts
Peso específico del concreto	γ =	2.40 Tn/m ³
Capacidad admisible del suelo en zona de anclaje σ =		5.11 kg/cm ²

ANGULOS FORMADOS EN EL PUENTE

		RADIANES	GRADOS
Angulo con el cable principal	$\alpha = \text{Arc Tang}(4f/L) =$	0.51	29.03
Angulo del fiador izquierdo	$\alpha_1 = \text{Arc Tang}(Y_1/LH_1) =$	0.67	38.14
Angulo del fiador derecho	$\alpha_2 = \text{Arc Tang}(Y_2/LH_2) =$	0.67	25.33

Longitud del fiador izquierdo (L1)	16.27 m
Longitud del fiador derecho (L2)	27.17 m

PRESIONES SOBRE EL TERRENO

Peso de la cámara de anclaje	$W = A \cdot B \cdot C \cdot \gamma =$	110.40 Tn
Tension Horizontal	H =	30.99 Tn (para todo el puente)
Tension en el fiador	$T_1 = H / \cos \alpha_1 =$	39.40 Tn
Tension Vertical en el fiador	$T_{v1} = T_1 \cdot \sin \alpha_1 =$	24.33 Tn
Componente Vertical de la reaccion	$R_v = W - T_{v1} =$	86.07 Tn
Presion máxima ejercida al suelo	$P = 2 \cdot R_v / (A \cdot B) =$	0.94 kg/cm ² CUMPLE

ESTABILIDAD AL DESLIZAMIENTO

El coeficiente de seguridad de la cámara al deslizamiento debe ser mínimo 2 por tanto debe resistir una tension horizontal doble

$R_v = W - 2 \cdot T_{v1} =$	61.73 ton
Fuerza que se opone al deslizamiento $F_d1 = U_f \cdot R_v =$	43.21 ton
Calculo de empujes en la cámara	
Peso específico terreno $\beta =$	1.93 ton/m ³
Angulo de reposo $\phi =$	37.10 °
Coeficiente fricción U_f	0.70

Empuje activo $E_a = 1/2 \times \beta \times C^2 \times \tan(45 - \phi/2)^2 \times 2B =$	11.94 ton (caras laterales)
Fuerza fricción que opone al deslizamiento $F_d2 = U_f \cdot E_a =$	8.36 ton

Empuje pasivo $E_p = 1/2 \times \beta \times C^2 \times \tan(45 + \phi/2)^2 \times A =$	112.10 ton
---	-------------------

Fuerza resistente total $F_{rt} = (F_d1 + F_d2 + E_p) =$	163.67 ton
--	-------------------

Se debe cumplir $F_{rt} > 2H$ CUMPLE

$F_{rt} =$	163.67 ton
$2H =$	61.98 ton

DISEÑO DE LOS CARROS DE DILATACION

DESPLAZAMIENTO DE LOS CARROS

Peso propio del puente $W_d = 162.51 \text{ kg/m}$
 Peso por lado 81.26 kg/m
 Empuje $H_{pp} = pl^2/8f = 2,928.11 \text{ kg}$

Desplazamiento del carro en cada torre por carga muerta

$\Delta 1 = H_{pp} L_1 (\sec \alpha 1)^3 / EA$ (torre izquierdo)

$\Delta 2 = H_{pp} L_2 (\sec \alpha 2)^3 / EA$ (torre derecho)

$E = 2/3(2100000) = 1,400,000.00 \text{ kg/cm}^2$

$A = \text{seccion Total cable por banda} = 10.62 \text{ cm}^2$

$\Delta 1 = 0.66 \text{ cms}$ Desplazamiento en portico izquierdo

$\Delta 2 = 1.12 \text{ cms}$ Desplazamiento en portico derecho

Desplazamiento maximo con sobrecarga y temperatura

la tension horizontal maxima es $30,991.35 \text{ Kg}$

Tension por lado $H_1 = 15,495.68 \text{ Kg}$

El desplazamiento sera

$\Delta 1 = \sec \alpha 1 (c \cdot x L_1 + H L_1 x (\sec \alpha 1)^2 / (EA))$ c
 $c = 0.000012$ t = 30.00 C^*

$\Delta 1 = 4.23 \text{ cm}$

Luego el desplazamiento neto es

$\Delta = \Delta 1 - \Delta = 4.00 \text{ cm}$

La plancha metalica debe tener un minimo **4.00 cms** a cada lado del eje de la torre

Presion vertical sobre la torre

$P = H \cdot x T_g(\alpha + \alpha 1) = 41,533.25 \text{ Kg}$

Presion en cada columna (20.77 Tn

Esfuerzo admisible (Fa) 7.50 Tn/cm^2 (sobre el rodillo)

diametro de rodillos (d) 7.50 cms

Numero de rodillos (n) 2.00 u

Ancho de la platina $A = 760 \cdot x P / (Fa^2 \cdot nd)$

$A = 18.71 \text{ cms}$

Presion en la plancha $= P / AL$

$P = 35.32$

Dejando 2,5 cms de borde acada lado

$At = A + 2 \cdot 2,5 = 24.00 \text{ cms}$

Largo de platina $= (n - 1) \cdot (d + 1) + 2 \cdot 8 = 24.5$

Si la plancha superior se desplaza

4.00 cms

La distancia extrema aumentara

8 cms

a

12 cms

El momento que se produce en el volado sera $= (M) = P/A \cdot B$

$M = 2542.85$

$f = \dots\dots\dots 10.00 \text{ cms}$

Radio de la parte curva

$C = 12.25$

$r = (f^2 + c^2) / (2 \cdot f) = 12.50$

$y = (r^2 - x^2)^{1/2} = 3.51$

$E' = f - (r - y) + 2 = 3.01$

Considerando uan faja de 1 cm de ancho y el espesor en la seccion E'

$S = ab^2/6 = 1.51 \text{ cm}^2$

$R = M/S = 1686.21 \text{ kg/cm}^2$

$Ra = 2100$

Es $R < Ra$ **CONFORME**

Espesor de plancha inferior

Si la plancha superior se desplaza

4.00 cms , los rodillos giraran

2.0

la distancia al borde libre sera

10

$M = P \cdot L^2/2 = 1765.87$

Considerando el espesor de la plancha inferior $= \dots\dots\dots 0.95 \text{ cms}$

$S = ab^2/6 = 0.15 \text{ cm}^2$

$R = M/S = 11626.98 \text{ kg/cm}^2$

Tunja, abril 06 de 2026

Señores

ALCALDIA MUNICIPIO DE FLORIAN

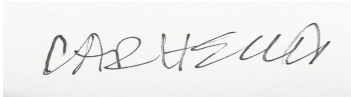
Municipio de Florian (Santander)

Ref. CARTA DE RESPONSABILIDAD PROYECTO ESTRUCTURAL: "Elaboración de estudios y diseños para la construcción del puente peatonal sobre la Quebrada La Quitaz, Vereda Otro Mundo del Municipio de Florián (Santander)".

Por medio de la presente manifiesto mi total responsabilidad en la elaboración del cálculo y diseño estructural del proyecto de construcción: **"Elaboración de estudios y diseños para la construcción del puente peatonal sobre la Quebrada La Quitaz, Vereda Otro Mundo del Municipio de Florián (Santander)"**. El cual yo elabore cumpliendo con las Normas Colombianas de Diseño y Construcción Sismo resistente NSR-10, CCP-14, INVIAS y los principios generalmente aceptados en el diseño Estructural.

La revisión estructural hecha por su dependencia es un requisito para verificar el cumplimiento de Normas mínimas de diseño y construcción, por tanto, su aprobación no implica su responsabilidad civil en la ejecución de la obra, es decir, SE EXONERA AL MUNICIPIO Y ENTES CORRESPONDIENTES DE CUALQUIER RESPONSABILIDAD QUE SE DERIVE DEL PRESENTE DISEÑO ESTRUCTURAL, ya que la responsabilidad recae sobre el diseñador estructural.

En todo caso, me comprometo para con **LOS PROPIETARIOS** y las autoridades competentes para resolver cualquier situación que se presentare con respecto al diseño del proyecto, en la construcción de la obra.

Atentamente, Ing. 

Matricula profesional: 15202-280995 BYC

Nombre: CARLOS ALFONSO HERNÁNDEZ COCUNUBO.

Cedula: 1.049.627.678 de Tunja.

Dirección Permanente: Carrera 3 No. 47-42, Tunja (Boy).

Móvil: 3108811985.



Certificado de vigencia y antecedentes disciplinarios
CVAD-2026-4395146

**CONSEJO PROFESIONAL NACIONAL DE INGENIERÍA
COPNIA**

EL DIRECTOR GENERAL

CERTIFICA:

1. Que CARLOS ALFONSO HERNANDEZ COCUNUBO, identificado(a) con Cedula de Ciudadanía 1049627678, se encuentra inscrito(a) en el Registro Profesional Nacional que lleva esta entidad, en la profesión de INGENIERIA CIVIL con MATRICULA PROFESIONAL 15202-280995 desde el 22 de Julio de 2014, otorgado(a) mediante Resolución Nacional 1131.
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3. Que el(la) referido(a) MATRICULA PROFESIONAL se encuentra **VIGENTE**
4. Que el profesional no tiene antecedentes disciplinarios ético-profesionales.
5. Que la presente certificación se expide en Bogotá, D.C., a los seis (06) días del mes de Abril del año dos mil veintiseis (2026).

Rubén Darío Ochoa Arbeláez

Firma del titular (*)

(*) Con el fin de verificar que el titular autoriza su participación en procesos estatales de selección de contratistas. La falta de firma del titular no invalida el Certificado.
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REPUBLICA DE COLOMBIA
IDENTIFICACION PERSONAL
CEDULA DE CIUDADANIA

NUMERO 1.049.627.678
HERNANDEZ COCUNUBO

APELLIDOS
CARLOS ALFONSO

NOMBRES
CARLOS CO



FECHA DE NACIMIENTO 22-OCT-1991
GUICAN
(BOYACA)
LUGAR DE NACIMIENTO

1.80 A+ M
ESTATURA G.S. RH SEXO

01-DIC-2009 TUNJA
FECHA Y LUGAR DE EXPEDICION

INDICE DERECHO

REGISTRACION NACIONAL
CAROL ALFONSO HERNANDEZ COCUNUBO



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REPÚBLICA DE COLOMBIA
CONSEJO PROFESIONAL NACIONAL DE INGENIERÍA
COPNIA



MATRÍCULA PROFESIONAL No.
18202-230995 BYC
INGENIERO CIVIL
DE FECHA 22/07/2014
CARLOS ALFONSO
HERNANDEZ COCUNUBO
C.C. 1649627578
UNIVERSIDAD SANTO TOMAS

Juan Carlos Hernández
PRESIDENTE DEL CONSEJO

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LA UNIVERSIDAD SANTO TOMÁS

Autorizada por el Ministerio de Educación Nacional
Teniendo en cuenta que

Carlos Alfonso Hernández Cocumibo

C.C. N° 1.049.627.678 de Tunja

Aprobó los estudios programados y cumplió con las exigencias
legales y reglamentarias, le confiere el Título de

**Especialista en Ingeniería de
Estructuras**

En constancia se firma y sella en Tunja
a los 12 días del mes de Diciembre de 2014

El Rector General

El Rector Seccional

El Decano de Facultad

El Secretario Seccional

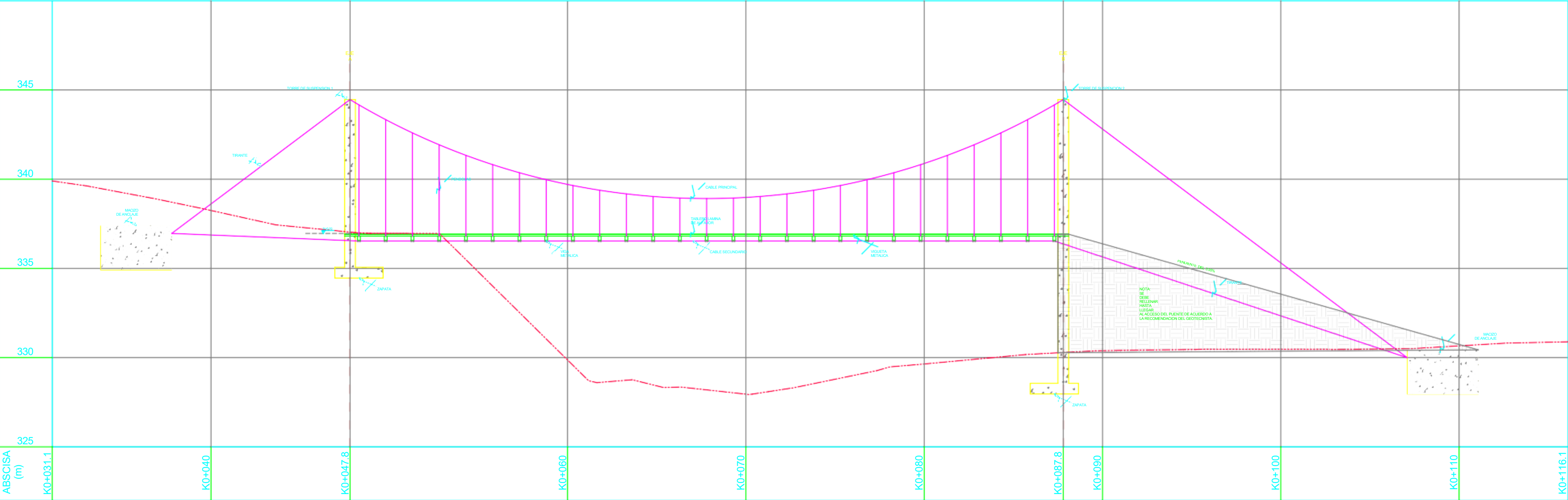


Registro Interno No. 631.234.12-12-2014

Libro 14T Folio 16



COTA (m)



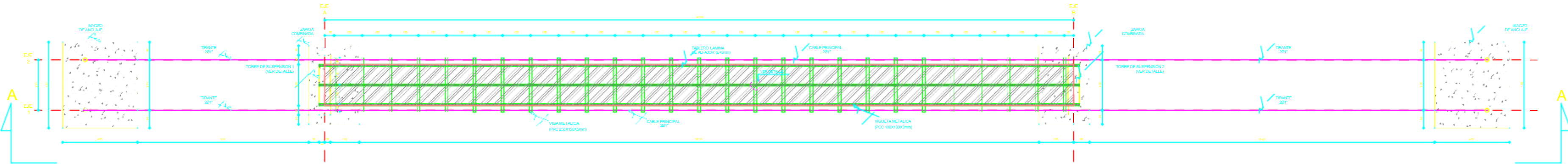
LOCALIZACION EN PERFIL

ESCALA: 1 : 10 0



CONTRAFLECHA ETAPADE SERVICIO

ESCALA: 1 : 10 0



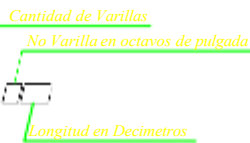
NOTA: LA LAMINA DE ALFAJOR SE DEBE CHAZAR A LOS PERFILES DE VIGUETAS DE ACUERDO A LA INDICACION DEL FABRICANTE.

PLANTA ESTRUCTURAL (m)

ESCALA: 1 : 10 0

ESPECIFICACIONES DE MATERIALES

- Concreto de Elementos: NOMENCLATURA DEL REFUERZO
 $f'c=4,000$ psi (28 MPa), $E_c=24,870$ MPa
- Acero de vigas y viguetas:
A-500 GRADO C.
- Acero de refuerzo: #3 60



NOTA	Varilla	Longitud (m)	Cantidad
1	1/4	35	1
2	3/8	45	1
3	1/2	50	1
4	5/8	65	1
5	3/4	80	1
6	7/8	90	1
7	1	105	1

- ZONA DE AMENAZA SISMICA - REGION 5 (PGA=0.25, S₀=0.50, S₁=0.25).
- CAPACIDAD MODERADA DE DISPACION DE ENERGIA (DMO).
- CARGA VIVA: Peatonal 0.415 T/m², Vehicular 0.531 T/m².
- CARGA MUERTA SOBREPUESTAS: 0.080 T/m² (Tablero).
- SISTEMA ESTRUCTURAL: PUENTE COLGANTE.
- TIPO DE SUELO: PERFIL TIPO D (F_u=1.40, F_v=1.90, F_{ps}=1.50).

$f_y=60,000$ MPa (87,000 PSI) (ASTM A615)

- NIVEL DE DESPLANTE DE LA ESTRUCTURA: NE-2.50m.
NOTAS PARA ESTRUCTURA METALICA:
- PERFILES TUBULARES EN ACERO ASTM A-500 GRADO C.
- PROCEDIMIENTO Y SOLDADORES: AWS D1.1 (AWS F5XX).
- SOLDADURAS: E70XX, MIG ER 70S EN TALLER.

CONVENCIONES



Nombre: C.C. No.

Diseño y Cálculo:

CAHC INGENIERIA
ARCHIVO:
Planos DWG Cc1.dwg

Proyecto:

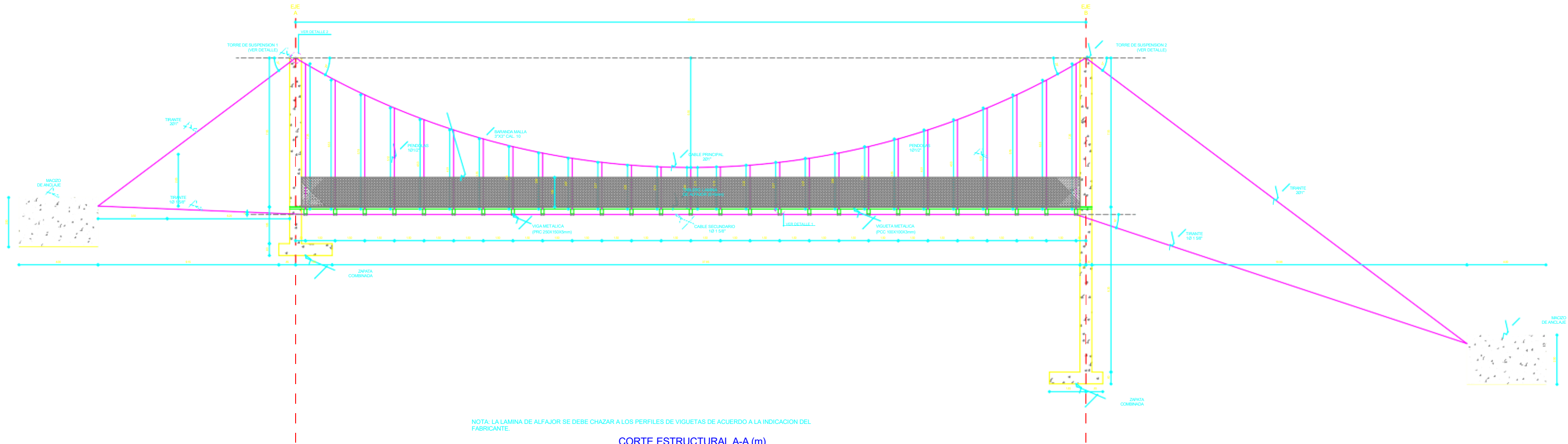
Elaboración de estudios y diseño para la construcción del puente peatonal sobre la Quebrada La Oñiza, Vía a Cerro Murillo del Municipio de Tondón, Santander, en cumplimiento del convenio interadministrativo No. 01-01-004-2024 suscrito con el municipio de La Balsa, Santander.

Escala:

1 : 100
Ciudad y Fecha:
TUNJA, BOYACA
30/01/2025

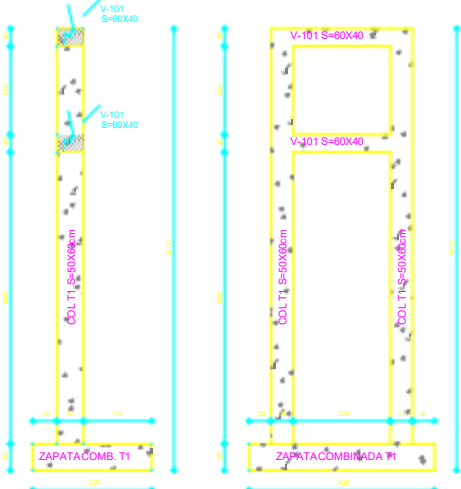
Plano 2 de 2

2E
4E

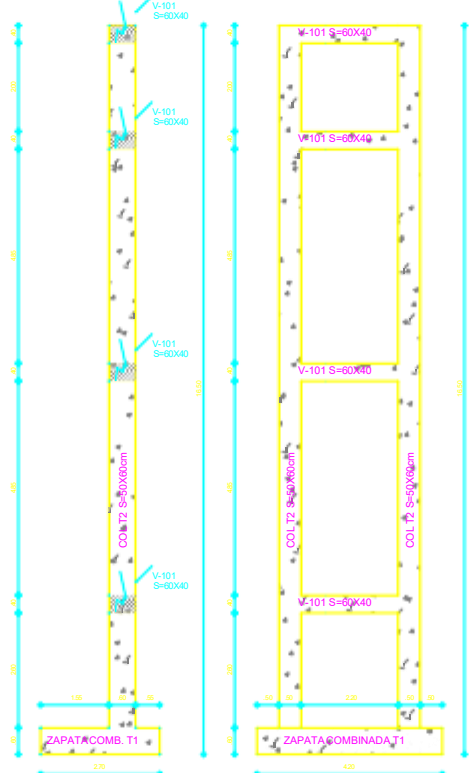


NOTA: LA LAMINA DE ALFAJOR SE DEBE CHAZAR A LOS PERFILES DE VIGUETAS DE ACUERDO A LA INDICACION DEL FABRICANTE.

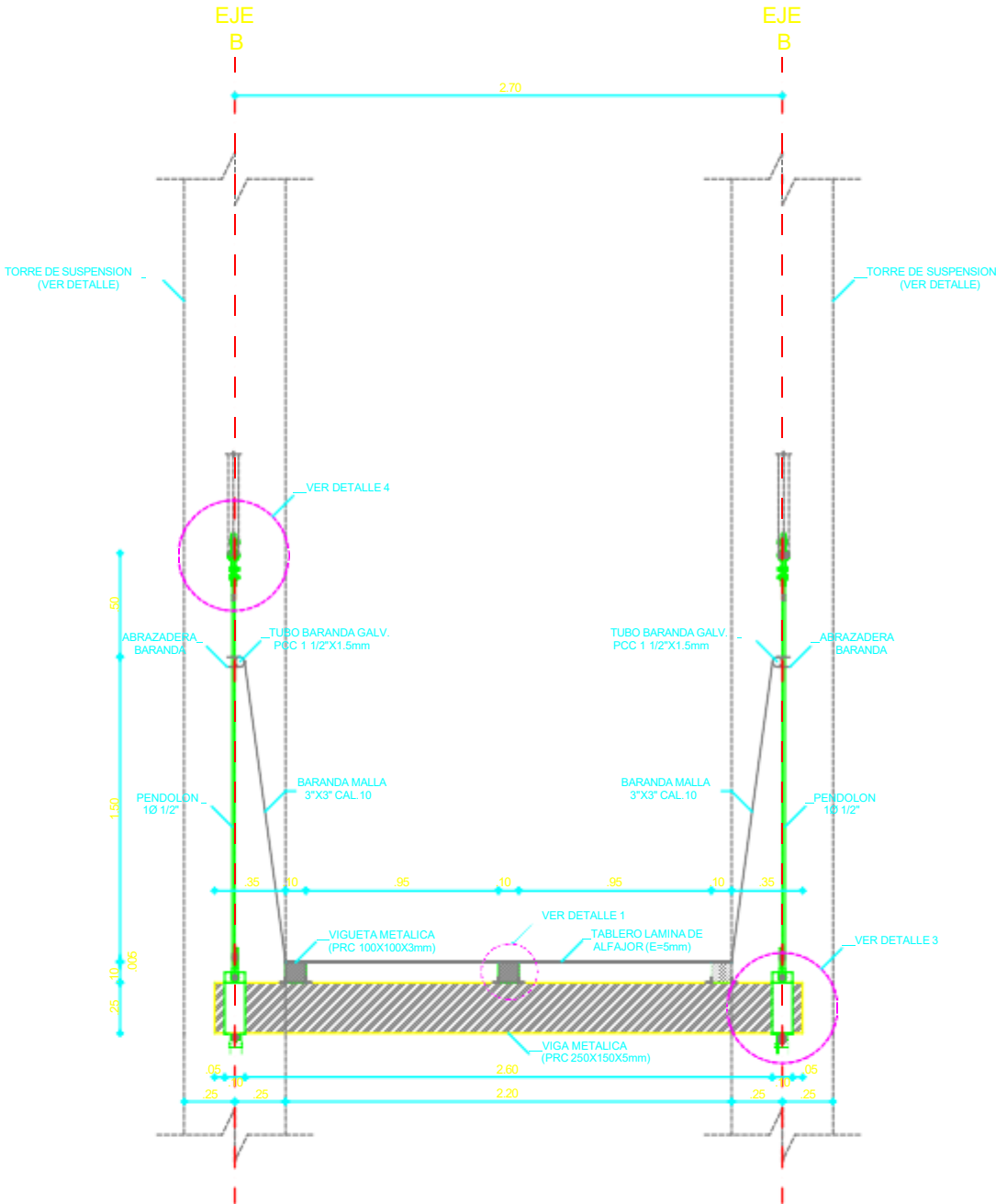
CORTE ESTRUCTURAL A-A (m)



DETALLE TORRE DE SUSPENSION 1 (m)

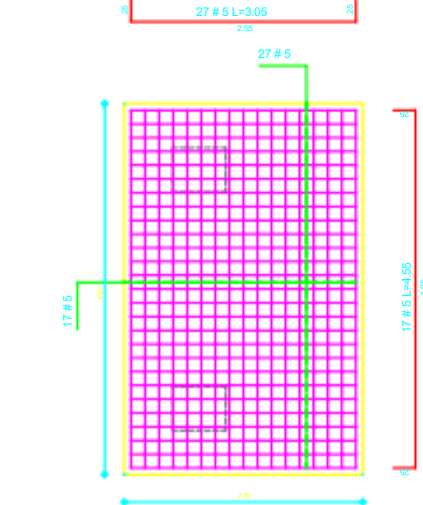


DETALLE TORRE DE SUSPENSION 2 (m)

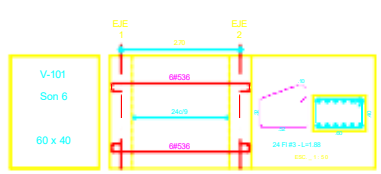


NOTA: LA LAMINA DE ALFAJOR SE DEBE CHAZAR A LOS PERFILES DE VIGUETAS DE ACUERDO A LA INDICACION DEL FABRICANTE.

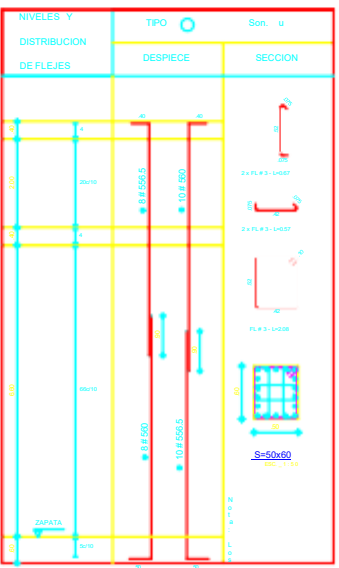
CORTE ESTRUCTURAL TRANSVERSAL (m)



ZAPATACOMB. T1 H=0.60 (SON 2) (m)



DESPIECE DE VIGAS (m)



DESPIECE DE COLUMNAS (m)

DIMENSIONES PARA EL DOBLAMIENTO DE VARILLAS						
DIMENSIONES (en mm) PARA GANCHOS ESTANDAR						
						
DESARROLLO DE LA BARRA	D	GANCHO 180°		GANCHO 90°		
		L	C	L	C	
Nº4	76,2	190	104	104	222	215
Nº5	98,5	228	127	127	276	254
Nº6	114,6	266	153	153	330	306
Nº7	132,4	333	178	178	384	355
Nº8	151,2	381	203	203	444	406

CAHC

ESPECIALISTAS EN OBRAS DE CONCRETO ARMADO

CARLOS ALFONSO HERNÁNDEZ C.

ESPECIFICACIONES DE MATERIALES

- Concreto de Elementos: NOMENCLATURA DEL REFUERZO
- $f'c=4,000\text{ psi}$ (28 Mpa), $E_c=24,870\text{ MPa}$
- Acero de vigas y viguetas: A-500 GRADO C.
- Acero de refues: $2\text{ } \#360$



No Varilla en octavos de pulgada

Longitud en Decímetros

NOTA	VARILLA	ESPESOR	LONGITUD
1	2	1/4	35
2	3	3/8	45
3	4	1/2	50
4	5	5/8	65
5	6	3/4	80
6	7	7/8	90
7	8	1	105

- ZONA DE AMENAZA SISMICA: REGION 5 (PGA=0.25, S=0.50, SI=0.25).
- CAPACIDAD MODERADA DE DISIPACION DE ENERGIA (DMO).
- CARGA VIVA: Peatonal 0.415 T/m², Vehicular 0.531 T/m².
- CARGA MUERTA SOBREPUESTAS: 0.080 T/m² (Tablero).
- SISTEMA ESTRUCTURAL: PUENTE COLGANTE.
- TIPO DE SUELO: PERFIL TIPO D (Pa=1.40, Pv=1.90, Fp=1.50).

$f_y=60,000\text{ MPa}$ (87,000 PSI)

- NIVEL DE DESPLANTE DE LA ESTRUCTURA: NE -2.50m.

- NOTAS PARA ESTRUCTURA METALICA:
- PERFILES TUBULARES EN ACERO ASTM A-500 GRADO C.
- PROCEDIMIENTO Y SOLDADORES: AWS D1.1 (AWS F500).
- SOLDADURAS: E70XX, MIG ER 70S EN TALLER.

- CONVENCIONES
- INDICA NIVEL SUPERIOR DE PLACA
- INDICA NIVEL SUPERIOR DE VIGA
- INDICA NIVEL DE FUNDACION
- INDICA TIPO DE CAPIZA
- INDICA TIPO DE COLUMNA

Nombre: C.C. No:

Diseño y Cálculo: CARLOS ALFONSO HERNÁNDEZ C.

CAHC INGENIERIA

ARCHIVO: Planos DWG-Cr1.dwg

Proyecto: Elaboración de estudios y diseños para la construcción de puente peatonal sobre la Quebrada La Ocotilla, Vereda Cerro Monte del Municipio de Tondó, Santander, en cumplimiento del convenio interadministrativo No. 001-004-2024 suscrito con el municipio de La Balsa, Santander.

Entidad: CORTES ESTRUCTURALES & DETALLES DE ESTRUCTURA EN CONCRETO REFORZADO

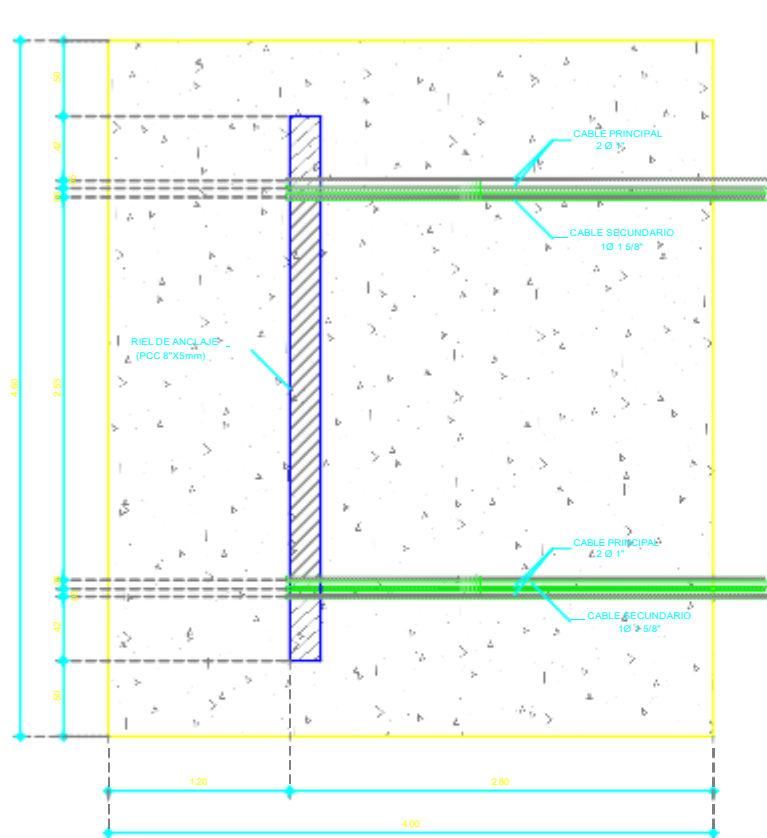
Escala: 1:100

Ciudad y Fecha: TUNJA, BOYACA 30/01/2025

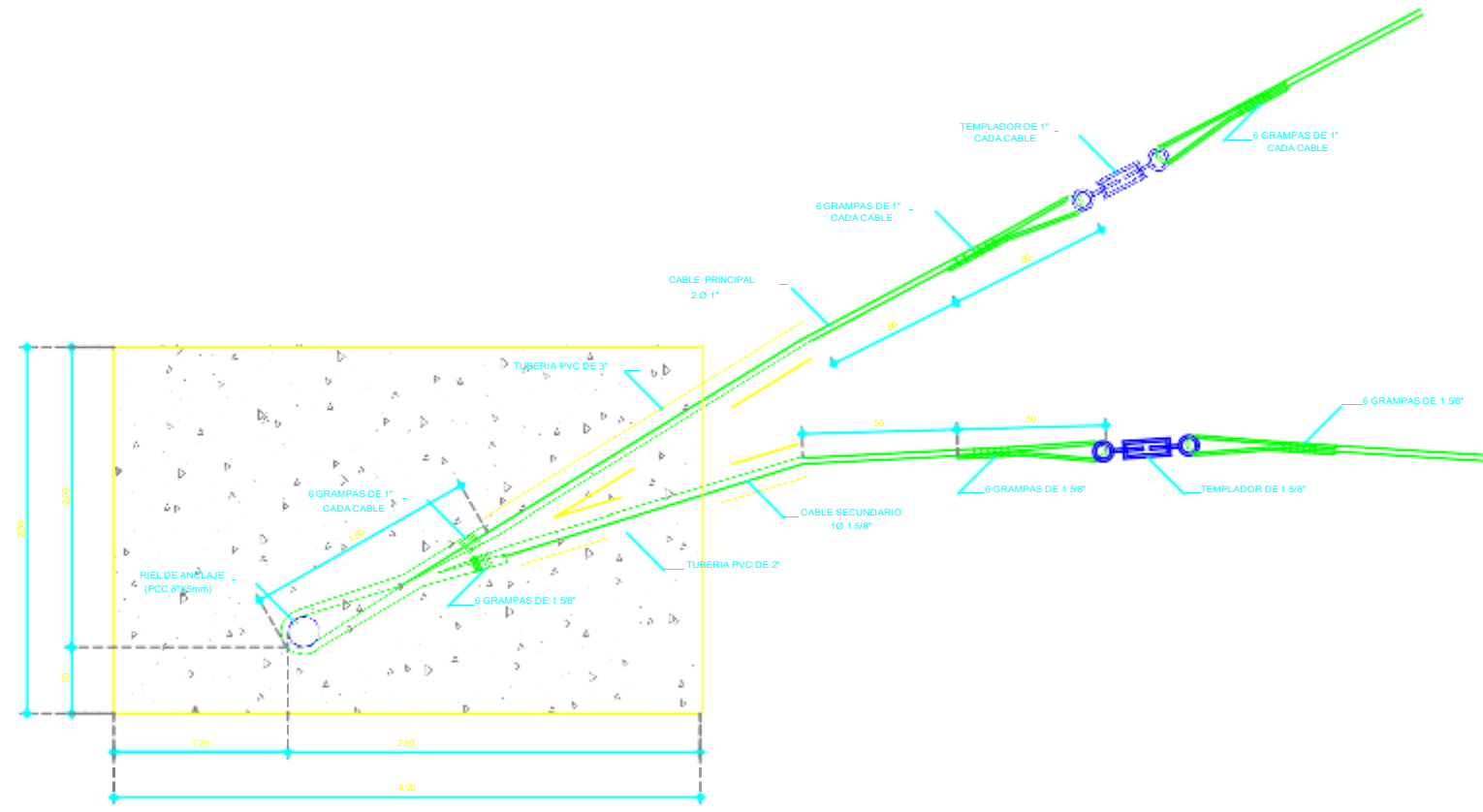
3E

4E

Nota del calculista: La responsabilidad sobre los diseños estructurales se mantiene siempre y cuando la construcción se realice en su totalidad de acuerdo a los planos presentados.



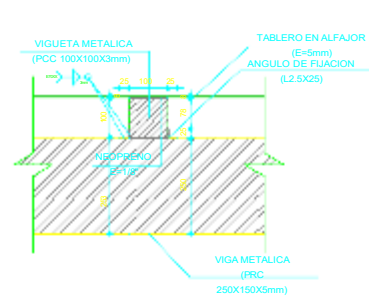
VISTA EN PLANTA



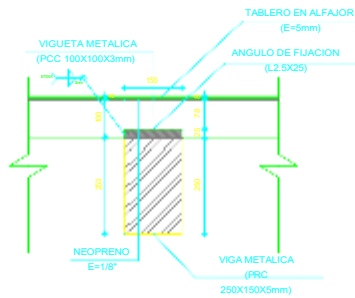
VISTA LATERAL

DETALLE MACIZO DE ANCLAJE (SON 2) (m)

ESCALA 1:2.5



VISTA FRONTAL

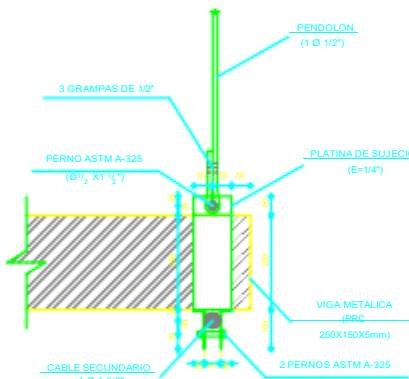


VISTA LATERAL

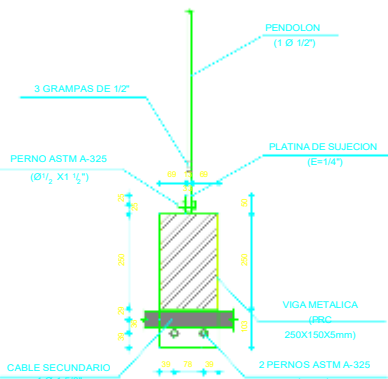
NOTA: LA LAMINA DE ALFAJOR SE DEBE CHAZAR A LOS PERFILES DE VIGUETAS DE ACUERDO A LA INDICACION DEL FABRICANTE.

DETALLE 1. CONEXION VIGUETAA VIGA

ESCALA 1:1.0



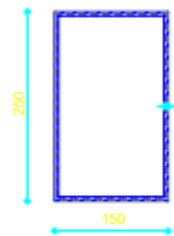
VISTA FRONTAL



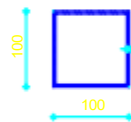
VISTA LATERAL

DETALLE 3. CONEXION VIGA A PENDOLONES

ESCALA 1:1.0



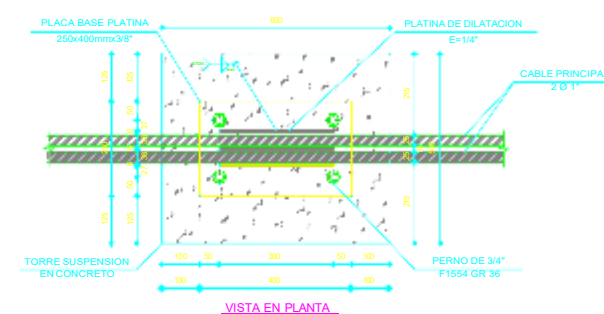
PERFIL RECTANGULAR CERRADO
PRC 250X150X5.0mm
ESCALA 1:5



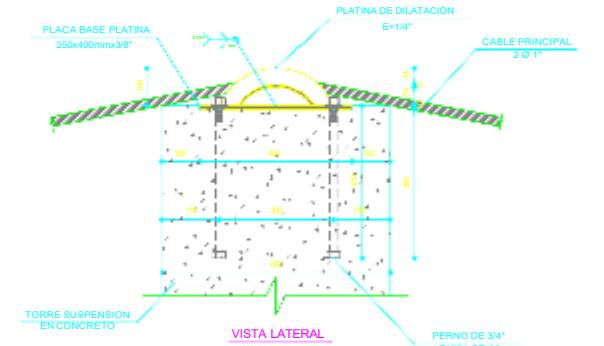
PERFIL CUADRADO CERRADO
PRC 100X100X3.0mm
ESCALA 1:5



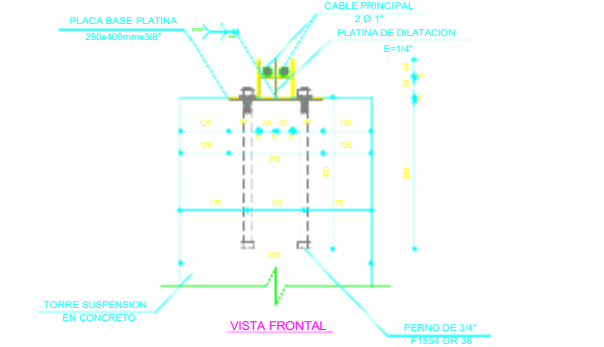
ANGULO FIJACION
L2.5 X 25
ESCALA 1:5



VISTA EN PLANTA



VISTA LATERAL



VISTA FRONTAL

DETALLE 2. CARRO DE DILATACION (SON 4)

ESCALA 1:1.0

NOTAS ESTRUCTURA METALICA :

1. TODOS LOS MATERIALES DEBEN SER NUEVOS Y DE PRIMERA CALIDAD.
2. TODA LA ESTRUCTURA SERA SOMETIDA A UNA LIMPIEZA MANUAL CON GRATA, PARA REMOVER TODO EL MATERIAL EXTRANO (OXIDO, GRASA, ETC).
3. EL CONTRATISTA DEBE VERIFICAR MEDIDAS EN OBRA Y PRESENTAR PLANOS DE TALLER APROBADOS POR LA INTERVENTORIA.
4. LA SOLDADURA DEBE CUMPLIR LAS NORMAS DE A.W.S.
5. LA ESTRUCTURA SE SOMETERA A DOS MANOS DE PINTURA ANTICORROSIVA PINTUCO 500 O SIMILAR.
6. TODAS LAS UNIDADES ESTAN EN MILIMETROS A NO SER QUE SE ESPECIFIQUE UNA UNIDAD DIFERENTE (APLICA UNICAMENTE A ESTE PLANO).

TODOS LOS MATERIALES DEBEN SER CERTIFICADOS

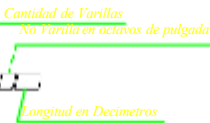
- SECCIONES DE VIGAS EN ACERO: ASTM A-500 G-C.
- CABLES Y PENDOLONES EN ACERO: ASTM A-416 G-270.
- PLATINAS Y ANGULOS EN ACERO: ASTM A-36.
- SOLDADURA: PROCEDIMIENTOS Y SOLDADORES CALIFICADOS AWS D1.1
- PROCESOS DE SOLDADURA: AWS F5xx
 - E70XX
 - MIG ER70-S EN TALLER
- CONCRETO: ASTM C-33 Fc= 280 kg/cm2
- ACERO DE REFUERZO: ASTM A-709 Fy=4200 kg/cm2
- LIMPIEZA: SSPC - SP2
- PROTECCION: 3.0 MILS (DFT) DE ANTICORROSIVO CROMATO DE ZINC AMARILLO
- PINTURA DE ACABADO: 3.0 MILS (DFT) DE ESMALTE SINTETICO
- TORNILLERIA ESTRUCTURAL: ASTM-A325 & ASTM-F1554 G36

Nota del calculista: La responsabilidad sobre los diseños estructurales se mantiene siempre y cuando la construccion se realice en su integridad de acuerdo a los presentes planos.

CAHC

ESPECIFICACIONES DE MATERIALES

- Concreto de Elementos: NOMENCLATURA DEL REFUERZO
- F'c=4,000 psi (28 MPa), Ec=24,870 MPa
- Acero de vigas y viguetas: A-500 GRADO C.
- Acero de refuer 220 # 3 6 0



Cantidad de Varillas	No Varillas octavos de pulgada	Longitud en Decimetros
2	1/4	45
3	3/8	45
4	1/2	50
5	5/8	65
6	3/4	80
7	7/8	90
8	1	105

- ZONA DE AMENAZA SISMICA - REGION 5 (PGA=0.25, Ss=0.50, SI=0.25).
- CAPACIDAD MODERADA DE DISPACION DE ENERGIA (DMO).
- CARGA VIVA: Peatonal 0.415 T/m2, Vehicular 0.531 T/m2.
- CARGA MUERTA SOBREPUESTAS: 0.080T/m2 (Tablero).
- SISTEMA ESTRUCTURAL: PUENTE COLGANTE.
- TIPO DE SUELO: PERFIL TIPO D (Fa=1.40, Fv=1.90, FPa=1.50).

- NIVEL DE DESPLANTE DE LA ESTRUCTURA: NE -250m.
- NOTAS PARA ESTRUCTURA METALICA:
 - PERFILES TUBULARES EN ACERO ASTM A-500 GRADO C.
 - PROCEDIMIENTO Y SOLDADORES: AWS D1.1 (AWS F5XX).
 - SOLDADURAS: E70XX, MIG ER 70-S EN TALLER.

CONVENCIONES

- INDICA NIVEL SUPERIOR DE PLACA.
- INDICA NIVEL SUPERIOR DE VIGA.
- INDICA NIVEL DE FUNDACION.
- INDICA TIPO DE ZAPATA.
- INDICA TIPO DE COLUMNAS.

CONVENCIONES

- INDICA NIVEL SUPERIOR DE PLACA.
- INDICA NIVEL SUPERIOR DE VIGA.
- INDICA NIVEL DE FUNDACION.
- INDICA TIPO DE ZAPATA.
- INDICA TIPO DE COLUMNAS.

Diseño y Calcula:

CAHC INGENIERIA

Proyecto:

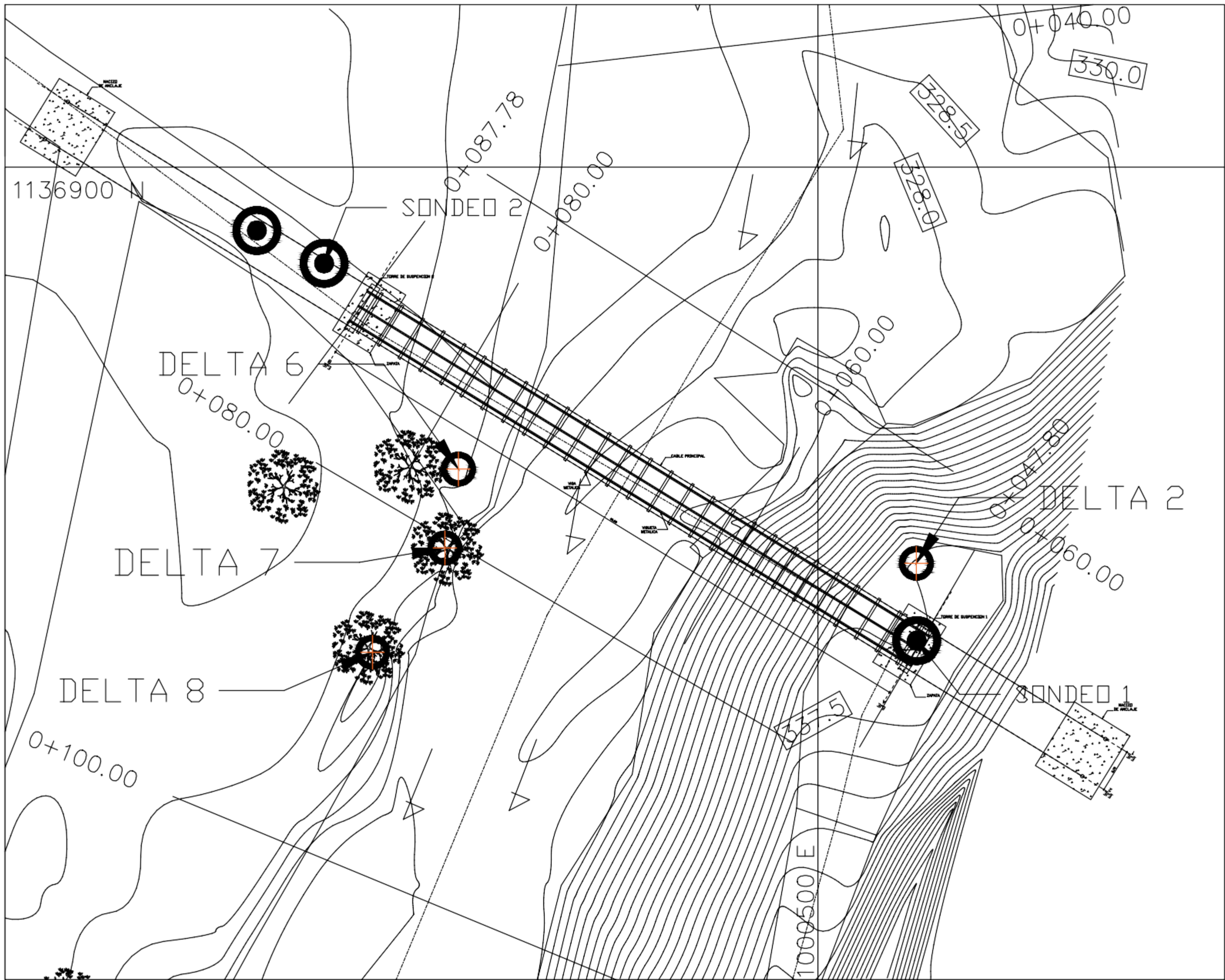
DETALLES ESTRUCTURALES & NOTAS DE ESTRUCTURA METALICA

Escala:

1:50

Nombre:

4E



LOCALIZACION EN PLANTA
ESCALA 1:100

CAHC

CARLOS ALFONSO HERNÁNDEZ C.
INGENIERO CIVIL, ESPECIALISTA EN
ESTRUCTURAS, USTA

ESPECIFICACIONES DE MATERIALES	
- Concreto de Elementos:	
$f'c=4.000\text{ psi (28 Mpa)}$, $Ec=24.870\text{ MPa}$	
- Acero de vigas y viguetas:	
A-500 GRADO C.	
- Acero de refuerzo:	
$f'y=60.000\text{ psi (420 Mpa)}$, $Es=200.000\text{ MPa}$	

NOMENCLATURA DEL REFUERZO	
Cantidad de Varillas	
No Varilla en octavos de pulgada	
Longitud en Decímetros	

No. VARILLA	DI. EN PULG.	PERIMETRO MIL. (mm)
2	1/4	35
3	3/8	45
4	1/2	50
5	5/8	65
6	3/4	80
7	7/8	90
8	1	105

NOTAS:

- ZONA DE AMENAZA SISMICA: REGION 3 (PGA=0.25, S₀=0.50, S₁=0.25).
- CAPACIDAD MODERADA DE DISIPACION DE ENERGIA (DMR).
- CARGA VIVA: Personal 0.415 T/m², Vehicular 0.531 T/m².
- CARGA MUERTA SOBRECARGAS: 0.080 T/m² (Tablero).
- SISTEMA ESTRUCTURAL: PUENTE COLGANTE.
- TIPO DE SUELO: PERFIL TIPO D (F_{av}=1.40, F_v=1.90, F_{pg}=1.50).

NOTAS PARA ESTRUCTURA METALICA:

- CAPACIDAD PORTANTE DEL SUELO: 50.28 T/m².
- NIVEL DE DESPLANTE DE LA ESTRUCTURA: NE-2.50m.
- PERFILES TUBULARES EN ACERO ASTM A-500 GRADO C.
- PROCEDIMIENTO Y SOLDADORES: AWS D1.1 (AWS F530).
- SOLDADURAS: E70XX, MIG ER 70-S EN TALLER.

CONVENCIONES	
INDICA NIVEL SUPERIOR DE PLACA	
INDICA NIVEL SUPERIOR DE VIGA	
INDICA NIVEL DE FUNDACION	
INDICA TIPO DE ZAPATA	
INDICA TIPO DE COLUMNA	

REVISO Y APROBADO:

Nombre: C.C. No:

Diseño y Calculo:

INGENIERO CIVIL, ESPECIALISTA EN ESTRUCTURAS
M.P. No. 13202-200905 B10

CAHC INGENIERIA

Archivo: planos DWG.dwg

Proyecto:

Elaboración de estudios y diseño para la construcción del puente peatonal sobre la Quebrada La Cruz, Vereda Cho Mondo del Municipio de Payán, Santander, en cumplimiento del convenio interadministrativo No. MF-CO-004-2024 suscrito con el municipio de La Belleza, Santander

Contenido:

LOCALIZACION EN PLANTA

Escala:

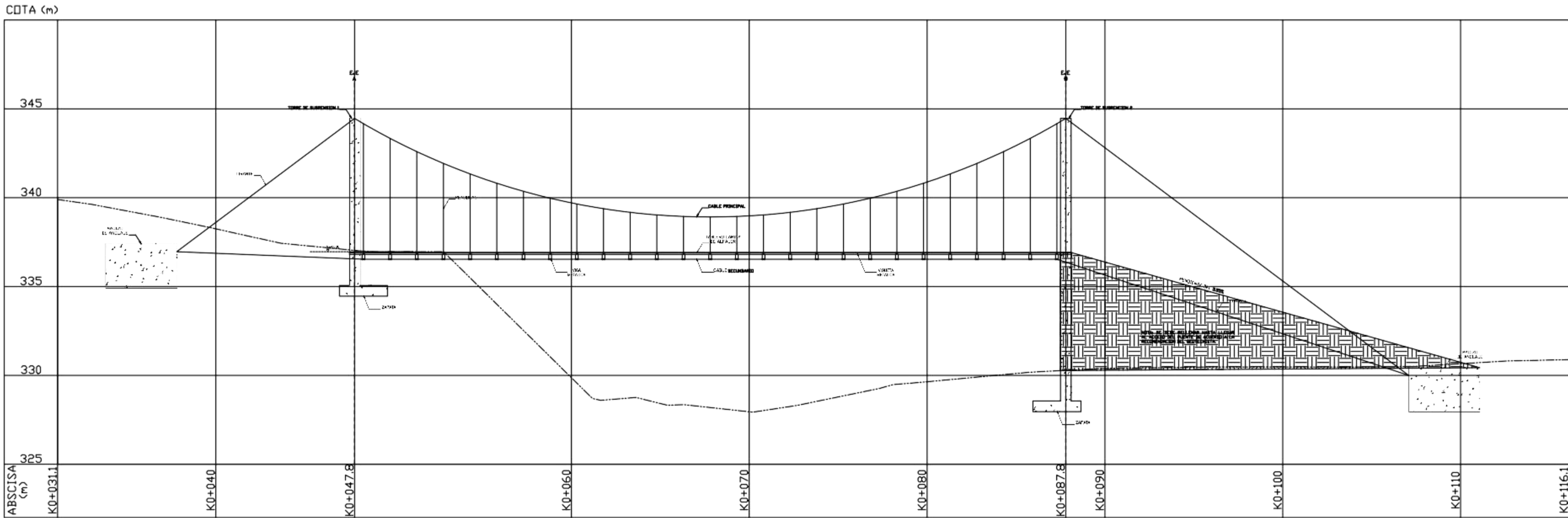
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Ciudad y Fecha:

TUNJA, BOYACA
30/01/2025

1E
4E

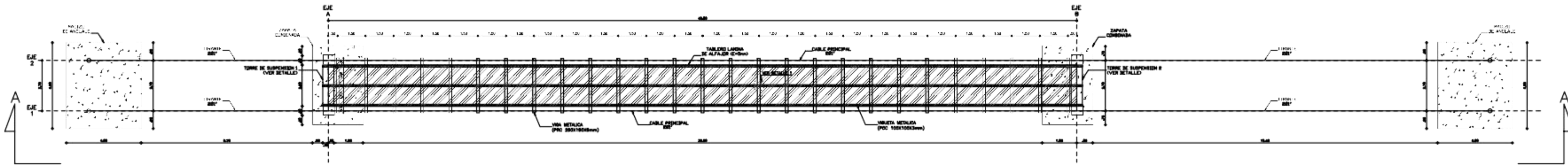
Nota del calculista: La responsabilidad sobre los datos estructurales de este estudio es del calculista y no de la construcción de la obra en su totalidad de acuerdo a los planos presentados.



LOCALIZACIÓN EN P-RFIL
ESCALA 1:100



CONTRAFLECHA ETAPA DE SERVICIO
ESCALA 1:100



NOTA: LA LAMINA DE ALFAJER SE DEBE CHAZAR A LOS PERFILES DE VIGUETAS DE ACUERDO A LA INDICACION DEL FABRICANTE.

PLANTA ESTRUCTURAL (m)
ESCALA 1:100

CAHC

CARLOS ALFONSO HERNÁNDEZ C.
INGENIERO CIVIL, ESPECIALISTA EN
ESTRUCTURAS, USTA

ESPECIFICACIONES DE MATERIALES

- Concreto de Elementos:
 $f'_c = 4,000 \text{ psi (28 Mpa)}$, $E_c = 24,870 \text{ MPa}$
- Acero de vigas y viguetas:
A-500 GRADO C.
- Acero de refuerzo:
 $f_y = 60,000 \text{ psi (420 Mpa)}$, $E_s = 200,000 \text{ MPa}$

NOMENCLATURA DEL REFUERZO		
Cantidad de Varillas		
No Varilla en octavos de pulgada		
Longitud en Decímetros		

NO. VARILLA	DI. EN PULG.	PERÍMETRO MILÍMETROS
2	1/4	35
3	3/8	45
4	1/2	50
5	5/8	65
6	3/4	80
7	7/8	90
8	1	105

NOTAS:

- ZONA DE AMENAZA SISMICA: REGION 3 (PGA = 0.25, S₀ = 0.50, S₁ = 0.25).
- CAPACIDAD MODERADA DE DISIPACION DE ENERGIA (DMR).
- CARGA VIVA: Peatonal 0.415 T/m², Vehicular 0.531 T/m².
- CARGA MUERTA SOBRECARGA: 0.007 T/m² (Tablero).
- SISTEMA ESTRUCTURAL: PUENTE COLGANTE.
- TIPO DE SUELO: PERFIL TIPO D (F_{av} = 1.40, F_v = 1.90, F_{pg} = 1.50).

NOTAS PARA ESTRUCTURA METALICA:

- CAPACIDAD PORTANTE DEL SUELO: 50.28 T/m².
- NIVEL DE DESPLANTE DE LA ESTRUCTURA: NE - 2.50m.
- PERFILES TUBULARES EN ACERO ASTM A-500 GRADO C.
- PROCEDIMIENTO Y SOLDADORES: AWS D1.1 (AWS F330).
- SOLDADURAS: E70XX, MIG ER 70-S EN TALLER.

CONVENCIONES	
INDICA NIVEL SUPERIOR DE PLACA	
INDICA NIVEL SUPERIOR DE VIGA	
INDICA NIVEL DE FUNDACION	
INDICA TIPO DE ZAPATA	
INDICA TIPO DE COLUMNA	

REVISO Y APROBADO:

Nombre: *[Firma]*
C.C. No: *[Firma]*

Diseño y Cálculo:

Elaboración de estudios y diseño para la construcción del puente peatonal sobre la Quebrada La Cruz, Vereda Oro Mendo del Municipio de Pácora, Santander, en cumplimiento del convenio interadministrativo No. MF-CR-004-2024 suscrito con el municipio de La Belleza, Santander.

Archivo: planos DWG.dwg

Proyecto:

Elaboración de estudios y diseño para la construcción del puente peatonal sobre la Quebrada La Cruz, Vereda Oro Mendo del Municipio de Pácora, Santander, en cumplimiento del convenio interadministrativo No. MF-CR-004-2024 suscrito con el municipio de La Belleza, Santander.

Contenido:

LOCALIZACIÓN EN PERFIL & PLANTA ESTRUCTURAL

Escala:

1 : 100

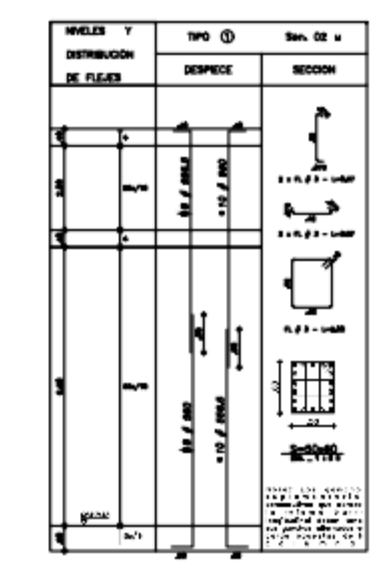
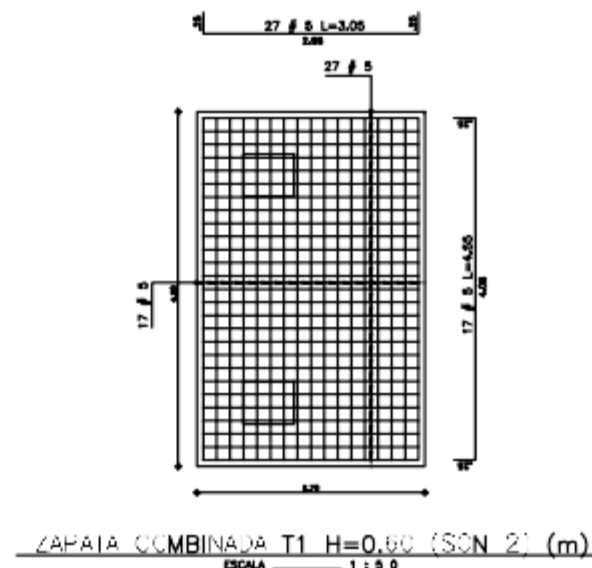
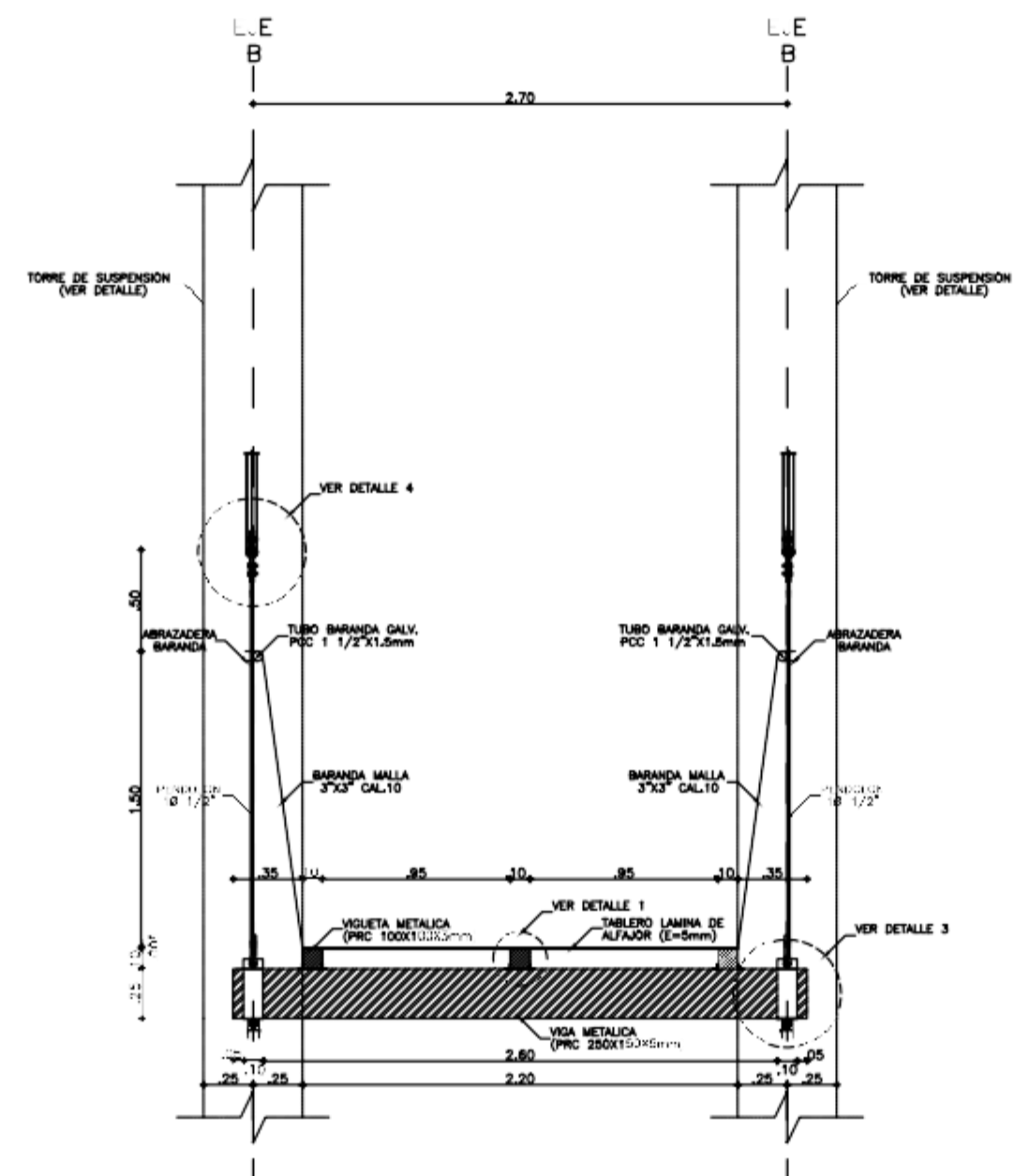
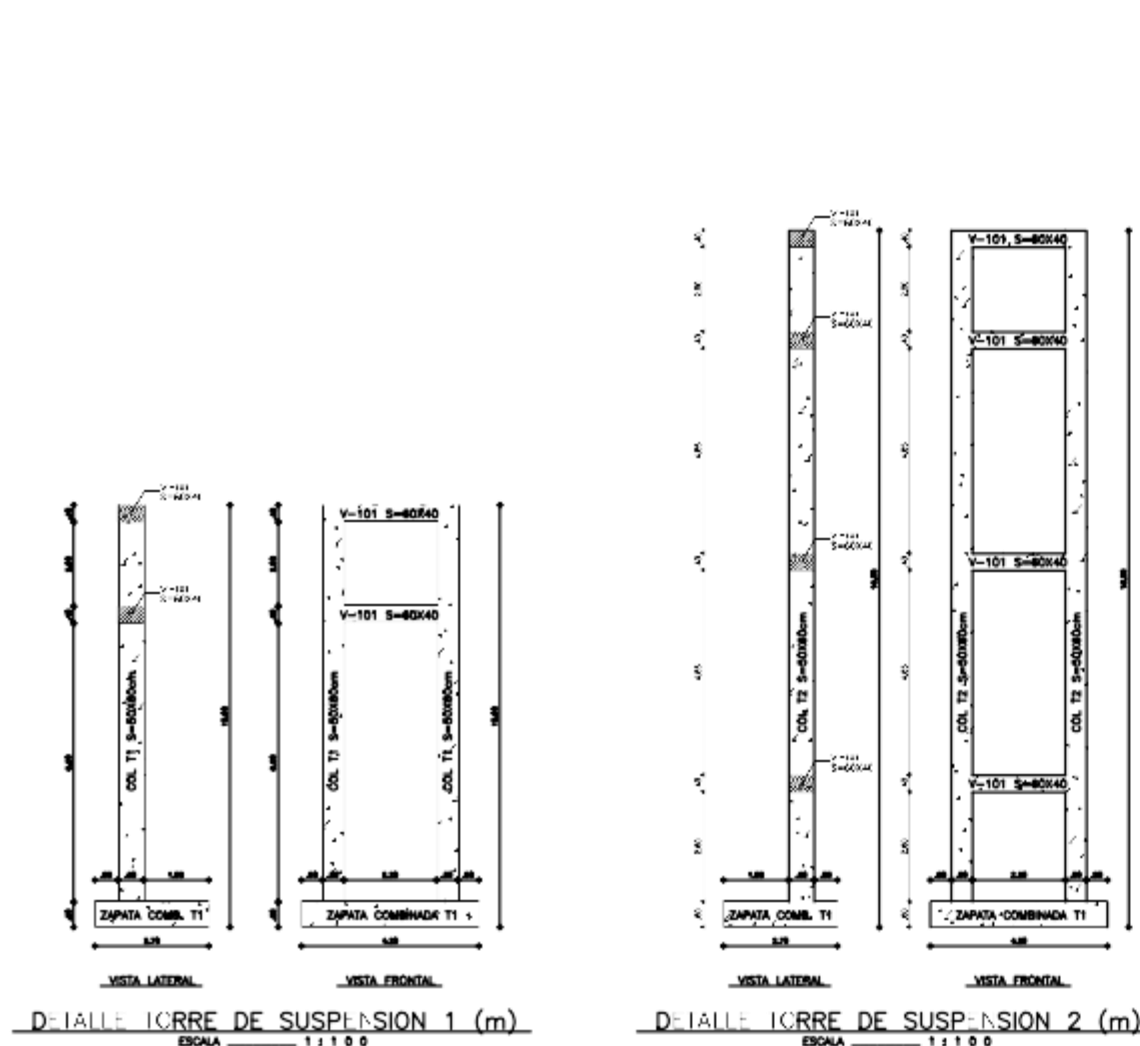
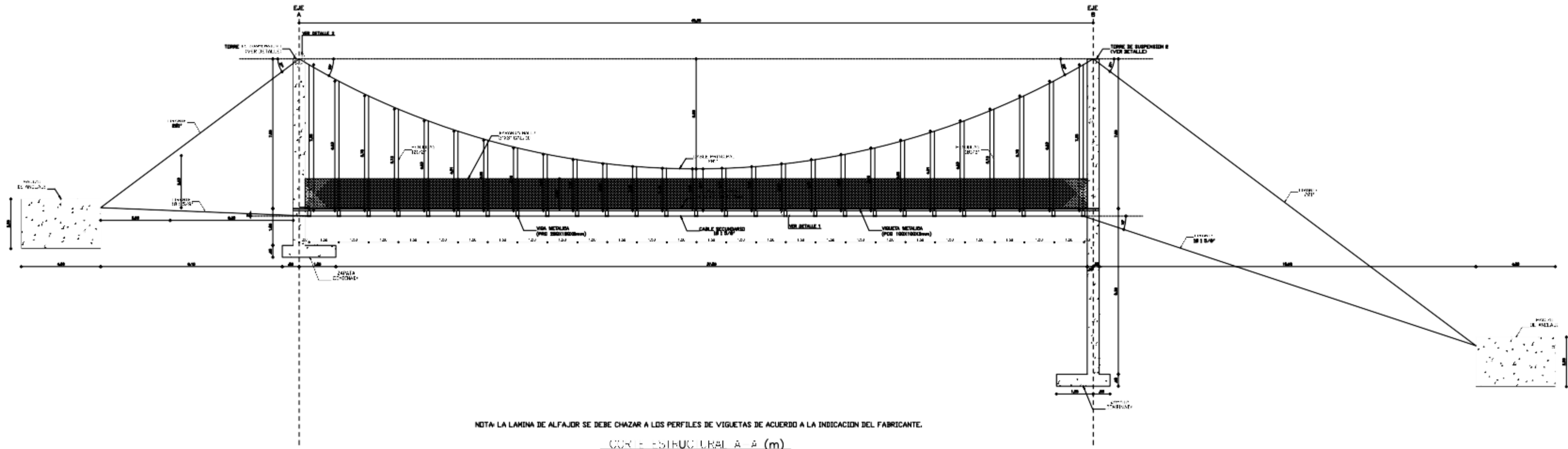
Ciudad y Fecha:

TUNJA, BOYACA
30/01/2025

Planos No.

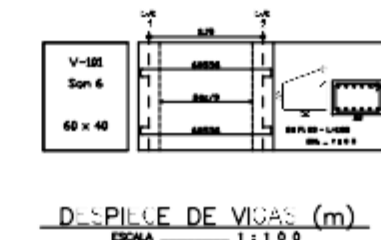
2E

4E



NIVELES Y DISTRIBUCION DE FLEJES	TIPO ①	SEN. DE V.
DESPIECE	SECCION	
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910	911	912
913	914	915
916	917	918
919	920	921
922	923	924
925	926	927
928	929	930
931	932	933
934	935	936
937	938	939
940	941	942
943	944	945
946	947	948
949	950	951
952	953	954
955	956	957
958	959	960
961	962	963
964	965	966
967	968	969
970	971	972
973	974	975
976	977	978
979	980	981
982	983	984
985	986	987
988	989	990
991	992	993
994	995	996
997	998	999
1000	1001	1002

DIMENSIONES PARA EL DOBLAMIENTO DE VARILLAS						
DIMENSIONES (en mm) PARA GANCHOS ESTANDAR						
CLON DE LA BARRA	D	L	C	M	L	C
Nº1	76.2	190	102	102	226	203
Nº2	95.4	238	127	127	278	254
Nº3	114.6	286	153	153	330	300
Nº4	133.2	333	178	178	380	352
Nº5	152.4	381	203	203	444	400



CAHC

CARLOS ALFONSO HERNÁNDEZ C.
INGENIERO CIVIL, ESPECIALISTA EN ESTRUCTURAS, USTA

ESPECIFICACIONES DE MATERIALES

- Concreto de Elementos: $f'_c = 4,000 \text{ psi}$ (28 Mpa), $E_c = 24,870 \text{ MPa}$
- Acero de vigas y viguetas: A-500 GRADO C.
- Acero de refuerzo: $f_y = 60,000 \text{ psi}$ (420 Mpa), $E_s = 200,000 \text{ MPa}$

NOMENCLATURA DEL REFUERZO

Cantidad de Varillas

No Varilla en octavos de pulgada

Longitud en Decímetros

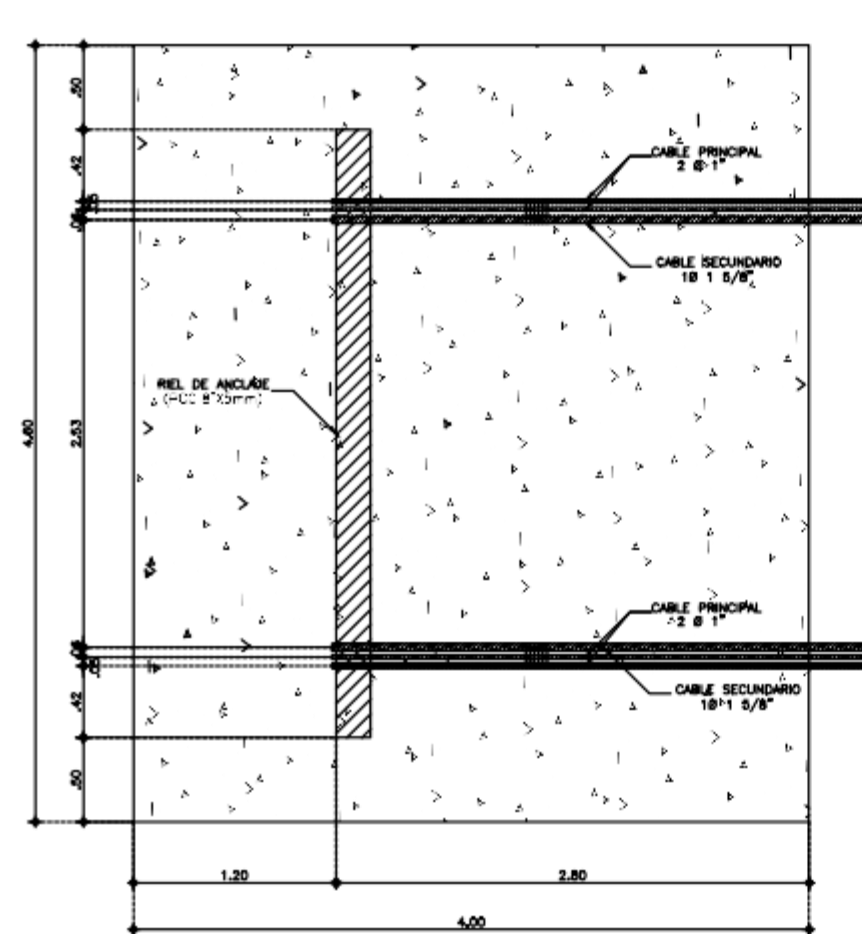
No. VARILLA	NO. EMPLEADO	LONGITUD EN DECIMETROS
2	174	35
3	378	45
4	172	50
5	578	65
6	374	80
7	778	90
8	1	105

NOTAS:

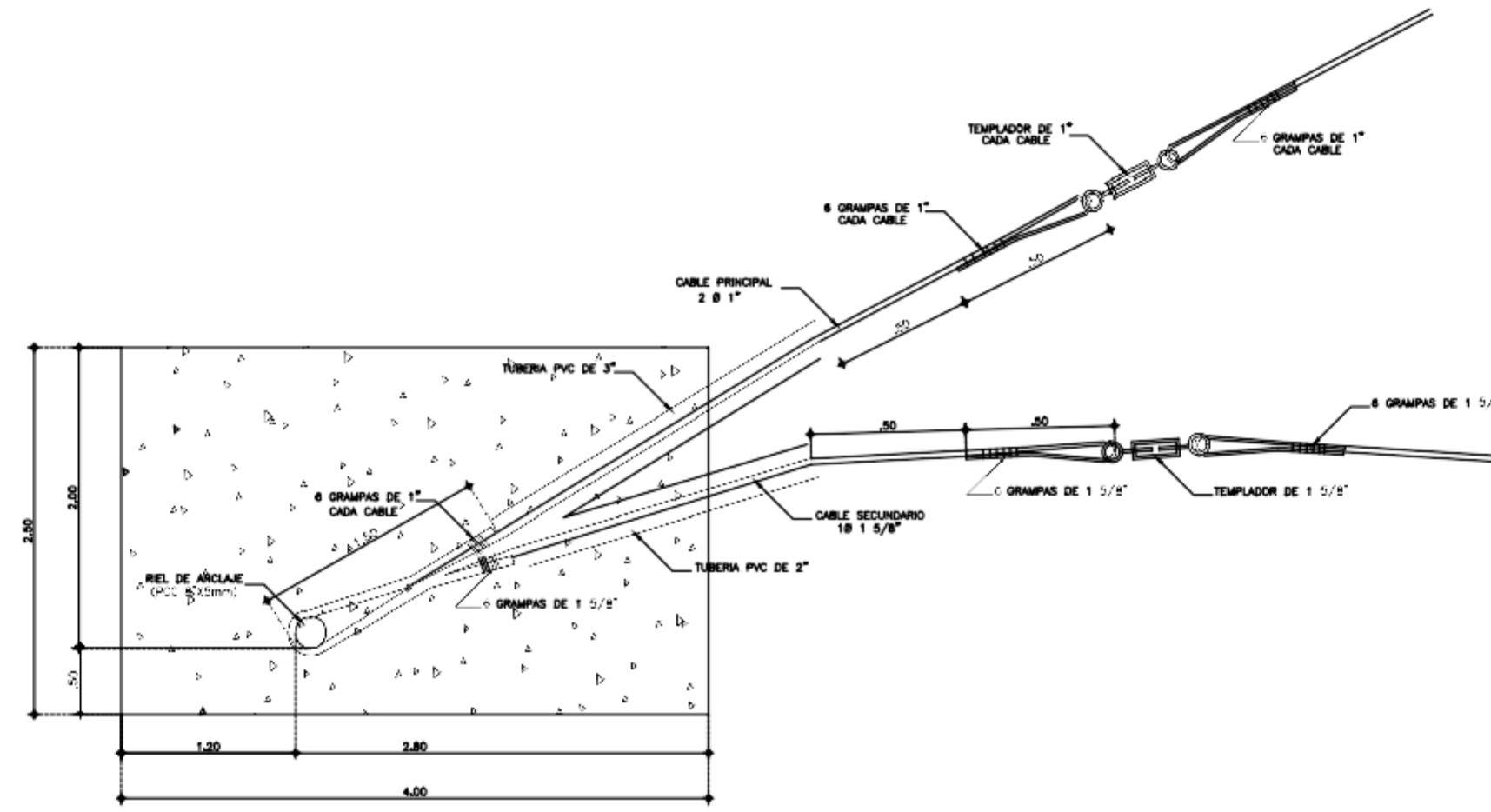
- ZONA DE AMENAZA SISMICA: REGION 3 (PGA=0.25, S₀=0.50, S₁=0.25).
- CAPACIDAD MODERADA DE DISIPACION DE ENERGIA (DMR).
- CARGA VIVA: Peatonal 0.415 T/m², Vehicular 0.531 T/m².
- CARGA MUERTA SOBREPUESTAS: 0.007 T/m² (Tablero).
- SISTEMA ESTRUCTURAL: PUENTE COLGANTE.
- TIPO DE SUELO: PERFIL TIPO D (F_a=1.40, F_v=1.90, F_{ps}=1.50).

NOTAS PARA ESTRUCTURA METALICA:

- CAPACIDAD PORTANTE DEL SUELO: 50.28 T/m².
- NIVEL DE DESPLANTE DE LA ESTRUCTURA: NE - 2.50m.
- PERFILES TUBULARES EN ACERO ASTM A-500 GRADO C.
- PROCEDIMIENTO Y SOLDADORES: AWS D1.1 (AWS ESXX).
- SOLDADURAS: E70XX, MIG ER 70-S EN TALLER.

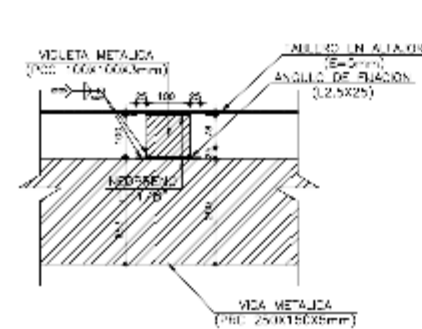


VISTA EN PLANTA

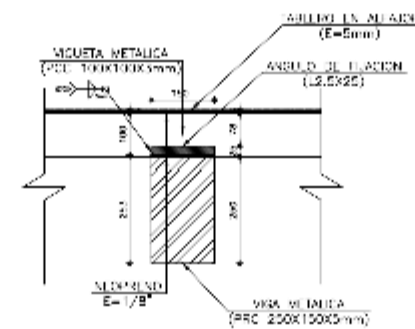


VISTA LATERAL

DETALLE MACIZO DE ANCLAJE (SON 2) (m)
ESCALA 1 : 2.5



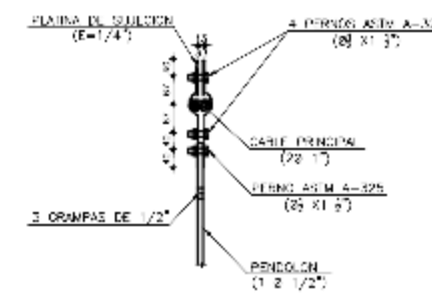
VISTA FRONTAL



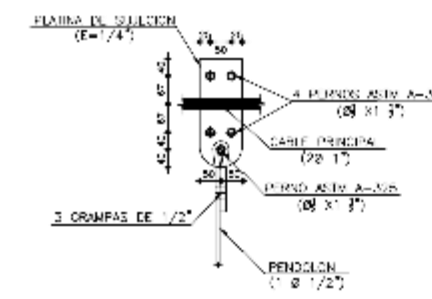
VISTA LATERAL

NOTA: LA LAMINA DE ALFAJOR SE DEBE CHAZAR A LOS PERFILES DE VIGUETAS DE ACUERDO A LA INDICACION DEL FABRICANTE.

DETALLE 1. CONEXION VIGUETA A VIGA
ESCALA 1 : 1.0

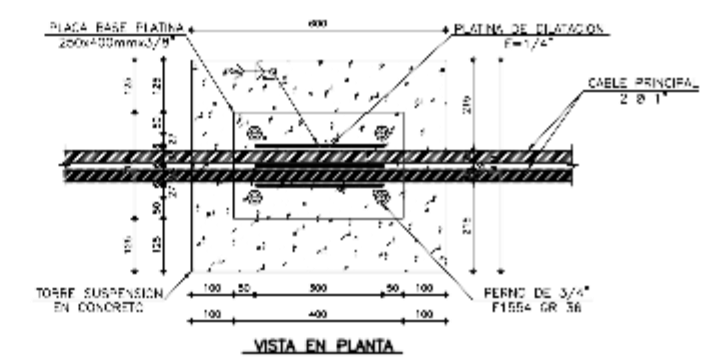


VISTA FRONTAL

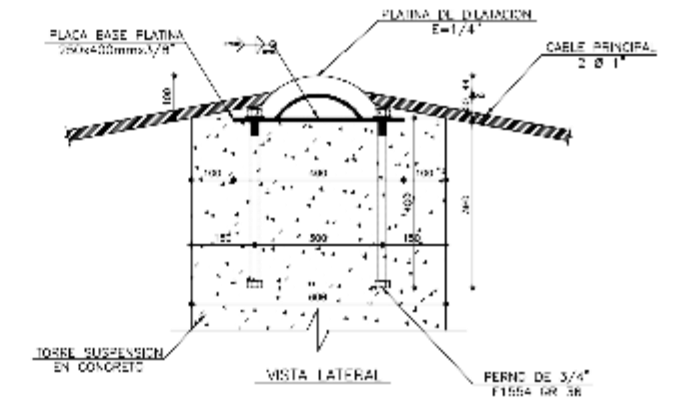


VISTA LATERAL

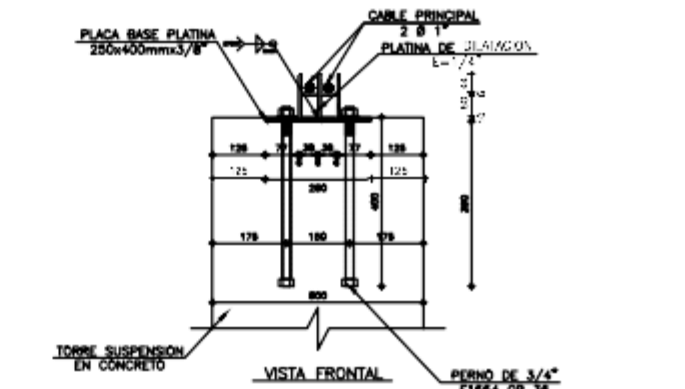
DETALLE 4. CONEXION CABLE PRINCIPAL A PENDOLONES
ESCALA 1 : 1.0



VISTA EN PLANTA



VISTA LATERAL



VISTA FRONTAL

DETALLE 2. CARRO DE DILATACION (SON 4)
ESCALA 1 : 1.0

NOTAS ESTRUCTURA METALICA :

1. TODOS LOS MATERIALES DEBEN SER NUEVOS Y DE PRIMERA CALIDAD.
2. TODA LA ESTRUCTURA SERA SOMETIDA A UNA LIMPIEZA MANUAL CON GRATA, PARA REMOVER TODO EL MATERIAL EXTRANO (OXIDO, GRASA, ETC.).
3. EL CONTRATISTA DEBE VERIFICAR MEDIDAS EN OBRA Y PRESENTAR PLANOS DE TALLER APROBADOS POR LA INTERVENTORIA.
4. LA SOLDADURA DEBE CUMPLIR LAS NORMAS DE A.W.S.
5. LA ESTRUCTURA SE SOMETERA A DOS MANOS DE PINTURA ANTICORROSIVA PINTUCO 500 O SIMILAR.
6. TODAS LAS UNIDADES ESTAN EN MILIMETROS A NO SER QUE SE ESPECIFIQUE UNA UNIDAD DIFERENTE (APLICA UNICAMENTE A ESTE PLANO).

TODOS LOS MATERIALES DEBEN SER CERTIFICADOS

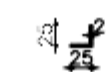
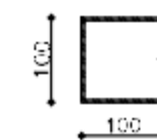
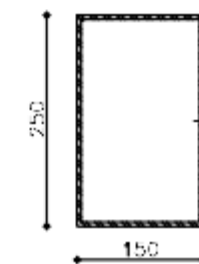
- SECCIONES DE VIGAS EN ACERO: ASTM A-500 G-C.
- CABLES Y PENDOLONES EN ACERO: ASTM A-416 G-270.
- PLATINAS Y ANGULOS EN ACERO: ASTM A-36.
- SOLDADURAS: SOLDADORES CALIFICADOS AWS D1.1
- PROCEDIMIENTOS DE SOLDADURA: AWS F5xx
- CONCRETO: ASTM C-39, f'c = 280 kg/cm²
- ACERO DE REFUERZO: ASTM A-709, Fy = 4200 kg/cm²
- LIMPIEZA: SISO - SISO
- PROTECCION: 3.0 MILS (DPT) DE ANTICORROSIVO CROMATO DE ZINC AMARILLO
- PINTURA DE ACABADO: 3.0 MILS (DPT) DE ESMALTE SATINADO
- TORNILLERIA ESTRUCTURAL: ASTM-A325 & ASTM-F1554 G36

Nota del calculista: La responsabilidad sobre los diseños estructurales se mantiene siempre y cuando la construcción se realice en su integridad de acuerdo a los presentes planos.

PERFIL RECTANGULAR CERRADO
PRC 250X150X5.0mm
ESCALA 1 : 5

PERFIL CUADRADO CERRADO
PRC 100X100X5.0mm
ESCALA 1 : 5

ANGULO FILACION
L2.5 X 2.5
ESCALA 1 : 5



ESPECIFICACIONES DE MATERIALES

- Concreto de Elementos: f'c = 4,000 psi (28 Mpa), Ec = 24,870 Mpa
- Acero de vigas y viguetas: A-500 GRADO C.
- Acero de refuerzo: f'y = 60,000 psi (420 Mpa), Es = 200,000 Mpa

NOMENCLATURA DEL REFUERZO

Varilla	Diámetro	Longitud
2	1/4"	35
3	3/8"	45
4	1/2"	50
5	5/8"	65
6	3/4"	80
7	7/8"	90
8	1"	105

NOTAS:

- ZONA DE AMENAZA SISMICA: REGION 3 (PGA = 0.25, S₀ = 0.50, S₁ = 0.25).
- CAPACIDAD MODERADA DE DISIPACION DE ENERGIA (DMR).
- CARGA VIGA: Puntal 0.415 Tm², Vehicular 0.531 Tm².
- CARGA MUERTA SOBREPUESTAS: 0.007m² (Tablero).
- SISTEMA ESTRUCTURAL: PUENTE COLGANTE.
- TIPO DE SUELO: PERFIL TIPO D (Pa = 1.40, Pv = 1.90, Fp = 1.50).

NOTAS PARA ESTRUCTURA METALICA:

- CAPACIDAD PORTANTE DEL SUELO: 50.28 Tm².
- NIVEL DE DESPLANTE DE LA ESTRUCTURA: NE - 2.50m.
- PERFILES TUBULARES EN ACERO ASTM A-500 GRADO C.
- PROCEDIMIENTO Y SOLDADORES: AWS D1.1 (AWS F530).
- SOLDADURAS: E70XX, MIG ER 70-S EN TALLER.

CONVENCIONES

- INDICA NIVEL SUPERIOR DE PLACA
- INDICA NIVEL SUPERIOR DE VIGA
- INDICA NIVEL DE FUNDACION
- INDICA TIPO DE ZAPATA
- INDICA TIPO DE COLUMNA

REVISO Y APROBADO:

Nombre:
 C.C. No:

Diseño y Calculo:

Nombre:
 Archivo: planos DWG.dwg

Proyecto:

Elaboración de estudios y diseños para la construcción del puente peatonal sobre la Quebrada La Cumbre, Vereda Dos Manos del Municipio de Pácora, Santander, en cumplimiento del convenio interadministrativo No. MF-CO-04-2024 suscrito con el municipio de La Belleza, Santander.

Contenido:

DETALLES ESTRUCTURALES & NOTAS DE ESTRUCTURA METALICA

Escala:

1 : 5.0
30/01/2025

Ciudad y Fecha:

TUNJA, BOYACA

Plano No:

4E
4E

Tunja, enero de 2025.

Señores:

INGENIARTE, CONSTRUCCIONES & CONSULTORIAS
MUNICIPIO DE FLORIAN (SANTANDER)

Referencia: Respuesta observaciones estructurales 1, proyecto cuyo objeto es “Elaboración de estudios y diseños para la construcción del puente peatonal sobre la Quebrada La Quitaz, Vereda Otro Mundo del Municipio de Florián, Santander, en cumplimiento del convenio interadministrativo No. MF-CI-004-2024 suscrito con el municipio de La Belleza, Santander”.

Cordial saludo, por medio de la presente doy respuesta a sus observaciones estructurales del proyecto de la referencia:

1. Análisis estructural. Teniendo en cuenta lo solicitado e indicado por el diseñador donde menciona que “no se atiende la solicitud de enviar el modelo estructural, ya que este es de propiedad del especialista al crear un modelo con unas especificaciones puntuales y unos cálculos propios de su profesión y nivel intelectual, de creerse pertinente se podría solicitar los datos de entrada del modelo”. Nos permitimos solicitar un espacio en que el profesional corra el modelo y permita a las partes ver el comportamiento de la estructura.

Rta/. Se adjuntan al presente oficio los datos de entrada del modelo de análisis matemático desarrollado en el software SAP2000. (Ver anexo 1).

2. No se presenta el diseño de losas de aproximación.

Rta/. Se anexa al presente oficio el diseño de la estructura tipo para placa huellas, de acuerdo a lo avalado por la cartilla de drenaje y estructuras viales programa Colombia rural del INVIAS, ya que en el diseño geométrico inicial del puente se planteó este tipo de estructura como elemento de aproximación al tablero del puente. (Ver anexo 2).

3. Se considera pertinente dentro del plano estructural se referencie el nivel 0 para identificar el desplante de la estructura a -2.50.

Rta/. En el plano 2E, en el detalle “localización en perfil se incluye el nivel N+0.00, para dar claridad a la profundidad de desplante de la cimentación. (VER PLANOS ESTRUCTURALES ACTUALIZADOS, PLANO 2E).

4. No se presentan precauciones a tener en cuenta tales como contra flechas para contrarrestar cambios volumétricos de los materiales estructurales.

Rta/. En el plano 2E se incluye un detalle llamado “Contra flecha por cargas de servicio”, donde se recomienda dejar una contra flecha de 1cm en el centro de la luz, teniendo en cuenta que la deflexión máxima generada en este punto no excede los 4mm. Lo anterior de acuerdo a lo sugerido en 6.7.2 del CCP-14.

6.7.2 — Contraflecha para carga muerta — Desde la fabricación se debería generar en las estructuras de acero las contraflechas adecuadas para compensar las deflexiones debidas a la carga muerta y las desviaciones del alineamiento vertical.

5. No se evidencia el grupo de uso al cual pertenece la estructura.

Rta/. De acuerdo al espectro de diseño utilizado para el diseño sísmico de este tipo de estructuras, no es necesario tener en cuenta un factor de grupo de uso, ya que este coeficiente es solicitado por el espectro de diseño de la NSR-10 y no por el CPP-14.

6. El objeto del proyecto contemplado en el documento "2. memoria de calculo.pdf" y en los rótulos de los planos estructurales, difieren del objeto contractual. Se recomienda utilizar el objeto contractual en todos los documentos de los estudios y diseños.

Rta/. Se actualiza lo solicitado en planos y memorias de cálculo estructural.

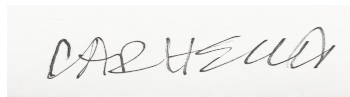
7. En el avalúo de Carga del documento "2. memoria de calculo.pdf" página 4, se referencian las secciones 1.2.1.1, 1.2.1.2 y 1.2.2 de la AASHTO LRFD, dichas referencias no corresponden al documento referenciado.

Rta/. Las referencias numerarias fueron tomadas de la "guía de especificaciones para puentes peatonales basada en la AASTHTO LRFD". Favor revisar guía y constatar que las referencias si corresponden al documento referenciado.

8. La fecha de los planos estructurales (16-08-2016) no coincide con la fecha de elaboración de la consultoría.

Rta/. Se actualiza la fecha de los planos al presente ajuste estructural.

Agradeciendo y atendiendo a todas sus observaciones estructurales, espero contar con su pronto visto bueno y aprobación.



CARLOS ALFONSO HERNÁNDEZ COCUNUBO

Ingeniero Civil, Especialista en Ingeniería de Estructuras
MP. 15202-280995 BYC

ANEXO 1. DATOS DE ENTRADA

Table: Active Degrees of Freedom

Table: Active Degrees of Freedom

UX	UY	UZ	RX	RY	RZ
Yes	Yes	Yes	Yes	Yes	Yes

Table: Analysis Options

Table: Analysis Options

Solver	SolverProc	Force32Bit	StiffCase	GeomMod
Advanced	Auto	No	None	None

Table: Area Section Properties, Part 1 of 4

Table: Area Section Properties, Part 1 of 4

Section	Material	MatAngle Degrees	AreaType	Type	DrillDOF	Thickness m	BendThick m	Arc Degrees
ASEC1	4000Psi	0	Shell	Shell-Thin	Yes	0.25	0.25	
MURO20	4000Psi	0	Plane	Plane-Stress		0.2		

Table: Area Section Properties, Part 2 of 4

Table: Area Section Properties, Part 2 of 4

Section	InComp	CoordSys	Color	F11Mod	F22Mod	F12Mod	M11Mod
ASEC1			Magenta	1	1	1	1
MURO20	Yes		Magenta	1	1	1	1

Table: Area Section Properties, Part 3 of 4

Table: Area Section Properties, Part 3 of 4

Section	M22Mod	M12Mod	V13Mod	V23Mod	MMod	WMod	GUID
ASEC1	1	1	1	1	1	1	a340d518-0aab-4e84-aa cb-7a874b7d35ec
MURO20	1	1	1	1	1	1	

Table: Area Section Properties, Part 4 of 4

Table: Area Section Properties, Part 4 of 4

Section	Notes
ASEC1	
MURO20	Added 15/08/2016 3:48:49 PM

Table: Area Section Property - Time Dependent

Table: Area Section Property - Time Dependent			
Section	TypeSize	AutoSFSIZE	UserValSize
			m
ASEC1	Auto	1	

Table: Area Section Property Design Parameters

Table: Area Section Property Design Parameters		
Section	RebarMat	RebarOpt
ASEC1	None	Default

Table: Auto Wave 3 - Wave Characteristics - General

Table: Auto Wave 3 - Wave Characteristics - General						
WaveChar	WaveType	KinFactor	SWaterDept	WaveHeight	WavePeriod	WaveTheory
			h			
			m	m	Sec	
Default	From Theory	1	45	18	12	Linear

Table: Cable Output Station Assignments

Table: Cable Output Station Assignments					
Cable	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn	AddAtPtLoa
				t	d
			m		
55	MinNumSta	3		Yes	Yes
56	MinNumSta	3		Yes	Yes
57	MinNumSta	3		Yes	Yes
58	MinNumSta	3		Yes	Yes
59	MinNumSta	3		Yes	Yes
60	MinNumSta	3		Yes	Yes
61	MinNumSta	3		Yes	Yes
62	MinNumSta	3		Yes	Yes
63	MinNumSta	3		Yes	Yes
64	MinNumSta	3		Yes	Yes
65	MinNumSta	3		Yes	Yes
66	MinNumSta	3		Yes	Yes
67	MinNumSta	3		Yes	Yes
68	MinNumSta	3		Yes	Yes
69	MinNumSta	3		Yes	Yes
70	MinNumSta	3		Yes	Yes
71	MinNumSta	3		Yes	Yes
72	MinNumSta	3		Yes	Yes
73	MinNumSta	3		Yes	Yes
74	MinNumSta	3		Yes	Yes
75	MinNumSta	3		Yes	Yes
76	MinNumSta	3		Yes	Yes
77	MinNumSta	3		Yes	Yes
78	MinNumSta	3		Yes	Yes
79	MinNumSta	3		Yes	Yes
80	MinNumSta	3		Yes	Yes
81	MinNumSta	3		Yes	Yes

Table: Cable Output Station Assignments

Cable	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
			m		
82	MinNumSta	3		Yes	Yes
83	MinNumSta	3		Yes	Yes
84	MinNumSta	3		Yes	Yes
85	MinNumSta	3		Yes	Yes
86	MinNumSta	3		Yes	Yes
87	MinNumSta	3		Yes	Yes
88	MinNumSta	3		Yes	Yes
89	MinNumSta	3		Yes	Yes
90	MinNumSta	3		Yes	Yes
91	MinNumSta	3		Yes	Yes
92	MinNumSta	3		Yes	Yes
93	MinNumSta	3		Yes	Yes
94	MinNumSta	3		Yes	Yes
95	MinNumSta	3		Yes	Yes
96	MinNumSta	3		Yes	Yes
97	MinNumSta	3		Yes	Yes
98	MinNumSta	3		Yes	Yes
99	MinNumSta	3		Yes	Yes
100	MinNumSta	3		Yes	Yes
101	MinNumSta	3		Yes	Yes
102	MinNumSta	3		Yes	Yes
103	MinNumSta	3		Yes	Yes
104	MinNumSta	3		Yes	Yes
105	MinNumSta	3		Yes	Yes
106	MinNumSta	3		Yes	Yes
107	MinNumSta	3		Yes	Yes
108	MinNumSta	3		Yes	Yes
109	MinNumSta	3		Yes	Yes
110	MinNumSta	3		Yes	Yes
111	MinNumSta	3		Yes	Yes
112	MinNumSta	3		Yes	Yes
113	MinNumSta	3		Yes	Yes
114	MinNumSta	3		Yes	Yes
258	MinNumSta	3		Yes	Yes
259	MinNumSta	3		Yes	Yes
260	MinNumSta	3		Yes	Yes
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263	MinNumSta	3		Yes	Yes
264	MinNumSta	3		Yes	Yes
265	MinNumSta	3		Yes	Yes
266	MinNumSta	3		Yes	Yes
267	MinNumSta	3		Yes	Yes
268	MinNumSta	3		Yes	Yes
269	MinNumSta	3		Yes	Yes
270	MinNumSta	3		Yes	Yes
271	MinNumSta	3		Yes	Yes
272	MinNumSta	3		Yes	Yes
273	MinNumSta	3		Yes	Yes
274	MinNumSta	3		Yes	Yes
275	MinNumSta	3		Yes	Yes
276	MinNumSta	3		Yes	Yes
277	MinNumSta	3		Yes	Yes

Table: Cable Output Station Assignments

Cable	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
			m		
278	MinNumSta	3		Yes	Yes
279	MinNumSta	3		Yes	Yes
280	MinNumSta	3		Yes	Yes
281	MinNumSta	3		Yes	Yes
282	MinNumSta	3		Yes	Yes
283	MinNumSta	3		Yes	Yes
284	MinNumSta	3		Yes	Yes
285	MinNumSta	3		Yes	Yes
286	MinNumSta	3		Yes	Yes
287	MinNumSta	3		Yes	Yes
288	MinNumSta	3		Yes	Yes
289	MinNumSta	3		Yes	Yes
290	MinNumSta	3		Yes	Yes
291	MinNumSta	3		Yes	Yes
292	MinNumSta	3		Yes	Yes
293	MinNumSta	3		Yes	Yes
294	MinNumSta	3		Yes	Yes
295	MinNumSta	3		Yes	Yes
296	MinNumSta	3		Yes	Yes
297	MinNumSta	3		Yes	Yes
298	MinNumSta	3		Yes	Yes
299	MinNumSta	3		Yes	Yes
300	MinNumSta	3		Yes	Yes
301	MinNumSta	3		Yes	Yes
302	MinNumSta	3		Yes	Yes
303	MinNumSta	3		Yes	Yes
304	MinNumSta	3		Yes	Yes
305	MinNumSta	3		Yes	Yes
306	MinNumSta	3		Yes	Yes
307	MinNumSta	3		Yes	Yes
308	MinNumSta	3		Yes	Yes
309	MinNumSta	3		Yes	Yes
310	MinNumSta	3		Yes	Yes
311	MinNumSta	3		Yes	Yes
312	MinNumSta	3		Yes	Yes
313	MinNumSta	3		Yes	Yes
314	MinNumSta	3		Yes	Yes
315	MinNumSta	3		Yes	Yes
316	MinNumSta	3		Yes	Yes
317	MinNumSta	3		Yes	Yes

Table: Cable Section Assignments

Table: Cable Section Assignments

Cable	CableSect	MatProp
55	CABLE2DE1	Default
	"	
56	CABLE2DE1	Default
	"	
57	CABLE2DE1	Default
	"	

Table: Cable Section Assignments

Cable	CableSect	MatProp
58	CABLE2DE1	Default
	"	
59	CABLE2DE1	Default
	"	
60	CABLE2DE1	Default
	"	
61	CABLE2DE1	Default
	"	
62	CABLE2DE1	Default
	"	
63	CABLE2DE1	Default
	"	
64	CABLE2DE1	Default
	"	
65	CABLE2DE1	Default
	"	
66	CABLE2DE1	Default
	"	
67	CABLE2DE1	Default
	"	
68	CABLE2DE1	Default
	"	
69	CABLE2DE1	Default
	"	
70	CABLE2DE1	Default
	"	
71	CABLE2DE1	Default
	"	
72	CABLE2DE1	Default
	"	
73	CABLE2DE1	Default
	"	
74	CABLE2DE1	Default
	"	
75	CABLE2DE1	Default
	"	
76	CABLE2DE1	Default
	"	
77	CABLE2DE1	Default
	"	
78	CABLE2DE1	Default
	"	
79	CABLE2DE1	Default
	"	
80	CABLE2DE1	Default
	"	
81	CABLE2DE1	Default
	"	
82	CABLE2DE1	Default
	"	
83	CABLE2DE1	Default
	"	
84	CABLE2DE1	Default
	"	
85	CABLE1/2	Default
86	CABLE1/2	Default
87	CABLE1/2	Default
88	CABLE1/2	Default
89	CABLE1/2	Default

Table: Cable Section Assignments

Cable	CableSect	MatProp
90	CABLE1/2	Default
91	CABLE1/2	Default
92	CABLE1/2	Default
93	CABLE1/2	Default
94	CABLE1/2	Default
95	CABLE1/2	Default
96	CABLE1/2	Default
97	CABLE1/2	Default
98	CABLE1/2	Default
99	CABLE1/2	Default
100	CABLE1/2	Default
101	CABLE1/2	Default
102	CABLE1/2	Default
103	CABLE1/2	Default
104	CABLE1/2	Default
105	CABLE1/2	Default
106	CABLE1/2	Default
107	CABLE1/2	Default
108	CABLE1/2	Default
109	CABLE1/2	Default
110	CABLE1/2	Default
111	CABLE1/2	Default
112	CAB1 5/8"	Default
113	CAB1 5/8"	Default
114	CAB1 5/8"	Default
258	CABLE2DE1	Default
	"	
259	CABLE2DE1	Default
	"	
260	CABLE2DE1	Default
	"	
261	CABLE2DE1	Default
	"	
262	CABLE2DE1	Default
	"	
263	CABLE2DE1	Default
	"	
264	CABLE2DE1	Default
	"	
265	CABLE2DE1	Default
	"	
266	CABLE2DE1	Default
	"	
267	CABLE2DE1	Default
	"	
268	CABLE2DE1	Default
	"	
269	CABLE2DE1	Default
	"	
270	CABLE2DE1	Default
	"	
271	CABLE2DE1	Default
	"	
272	CABLE2DE1	Default
	"	
273	CABLE2DE1	Default
	"	

Table: Cable Section Assignments

Cable	CableSect	MatProp
274	CABLE2DE1	Default
	"	
275	CABLE2DE1	Default
	"	
276	CABLE2DE1	Default
	"	
277	CABLE2DE1	Default
	"	
278	CABLE2DE1	Default
	"	
279	CABLE2DE1	Default
	"	
280	CABLE2DE1	Default
	"	
281	CABLE2DE1	Default
	"	
282	CABLE2DE1	Default
	"	
283	CABLE2DE1	Default
	"	
284	CABLE2DE1	Default
	"	
285	CABLE2DE1	Default
	"	
286	CABLE2DE1	Default
	"	
287	CABLE2DE1	Default
	"	
288	CABLE1/2	Default
289	CABLE1/2	Default
290	CABLE1/2	Default
291	CABLE1/2	Default
292	CABLE1/2	Default
293	CABLE1/2	Default
294	CABLE1/2	Default
295	CABLE1/2	Default
296	CABLE1/2	Default
297	CABLE1/2	Default
298	CABLE1/2	Default
299	CABLE1/2	Default
300	CABLE1/2	Default
301	CABLE1/2	Default
302	CABLE1/2	Default
303	CABLE1/2	Default
304	CABLE1/2	Default
305	CABLE1/2	Default
306	CABLE1/2	Default
307	CABLE1/2	Default
308	CABLE1/2	Default
309	CABLE1/2	Default
310	CABLE1/2	Default
311	CABLE1/2	Default
312	CABLE1/2	Default
313	CABLE1/2	Default
314	CABLE1/2	Default
315	CAB1 5/8"	Default
316	CAB1 5/8"	Default

Table: Cable Section Assignments

Cable	CableSect	MatProp
317	CAB1 5/8"	Default

Table: Cable Section Definitions, Part 1 of 3

Table: Cable Section Definitions, Part 1 of 3

CableSect	Material	Specify	Diameter m	Area m2	TorsConst m4	I m4	AS m2	Color
CAB1 5/8"	A416Gr270	Diameter	0.041366	0.001344	2.875E-07	1.437E-07	0.00121	Orange
CABLE1/2	A416Gr270	Diameter	0.012728	0.000127	2.577E-09	1.288E-09	0.000115	Green
CABLE2DE1	A416Gr270	Diameter	0.050912	0.002036	6.596E-07	3.298E-07	0.001832	DarkGreen

Table: Cable Section Definitions, Part 2 of 3

Table: Cable Section Definitions, Part 2 of 3

CableSect	TotalWt Tonf	TotalMass Tonf-s2/m	AMod	A2Mod	A3Mod	JMod	I2Mod	I3Mod
CAB1 5/8"	1.4849	0.15	1	1	1	1	1	1
CABLE1/2	0.2193	0.02236	1	1	1	1	1	1
CABLE2DE1	2.5125	0.26	1	1	1	1	1	1

Table: Cable Section Definitions, Part 3 of 3

Table: Cable Section Definitions, Part 3 of 3

CableSect	MMod	WMod	GUID	Notes
CAB1 5/8"	1	1		
CABLE1/2	1	1		
CABLE2DE1	1	1		

Table: Cable Shape Data, Part 1 of 2

Table: Cable Shape Data, Part 1 of 2

Cable	CableType	NumSegs	TensionI Tonf	TensionJ Tonf	TensionHor z Tonf	SagMax m
55	Undeformed Length	1	5.5616	5.3306	4.3545	0.21314
56	Undeformed Length	1	3.575	3.4551	2.811	0.08881
57	Undeformed Length	1	0.4793	0.4746	0.4107	0.00141
58	Undeformed Length	1	0.9987	0.9855	0.8687	0.00591
59	Undeformed Length	1	0.9981	0.9862	0.8888	0.00564
60	Undeformed Length	1	0.9975	0.9868	0.9068	0.00542
61	Undeformed Length	1	0.9969	0.9874	0.9228	0.00523
62	Undeformed Length	1	0.9963	0.988	0.9371	0.00508
63	Undeformed Length	1	0.9958	0.9885	0.9495	0.00495
64	Undeformed Length	1	0.9952	0.989	0.9603	0.00483
65	Undeformed Length	1	0.9947	0.9895	0.9694	0.00474
66	Undeformed Length	1	0.9942	0.99	0.977	0.00467
67	Undeformed Length	1	0.9938	0.9905	0.9829	0.00461

Table: Cable Shape Data, Part 1 of 2

Cable	CableType	NumSegs	TensionI Tonf	TensionJ Tonf	TensionHor z Tonf	SagMax m
68	Undeformed Length	1	0.9933	0.991	0.9874	0.00457
69	Undeformed Length	1	0.9928	0.9914	0.9904	0.00455
70	Undeformed Length	1	0.9924	0.9919	0.9919	0.00453
71	Undeformed Length	1	0.9919	0.9924	0.9919	0.00453
72	Undeformed Length	1	0.9914	0.9928	0.9904	0.00455
73	Undeformed Length	1	0.991	0.9933	0.9874	0.00457
74	Undeformed Length	1	0.9905	0.9938	0.9829	0.00461
75	Undeformed Length	1	0.99	0.9942	0.977	0.00467
76	Undeformed Length	1	0.9895	0.9947	0.9694	0.00474
77	Undeformed Length	1	0.989	0.9952	0.9603	0.00483
78	Undeformed Length	1	0.9885	0.9958	0.9495	0.00495
79	Undeformed Length	1	0.988	0.9963	0.9371	0.00508
80	Undeformed Length	1	0.9874	0.9969	0.9228	0.00523
81	Undeformed Length	1	0.9868	0.9975	0.9068	0.00542
82	Undeformed Length	1	0.9862	0.9981	0.8888	0.00564
83	Undeformed Length	1	0.9855	0.9987	0.8687	0.00591
84	Undeformed Length	1	0.4746	0.4793	0.4107	0.00141
85	Undeformed Length	1	0.0075	0	0	0
86	Undeformed Length	1	0.0066	0	0	0
87	Undeformed Length	1	0.0059	0	0	0
88	Undeformed Length	1	0.0052	0	0	0
89	Undeformed Length	1	0.0046	0	0	0
90	Undeformed Length	1	0.0041	0	0	0
91	Undeformed Length	1	0.0037	0	0	0
92	Undeformed Length	1	0.0033	0	0	0
93	Undeformed Length	1	0.003	0	0	0
94	Undeformed Length	1	0.0027	0	0	0
95	Undeformed Length	1	0.0025	0	0	0
96	Undeformed Length	1	0.0023	0	0	0
97	Undeformed Length	1	0.0023	0	0	0
98	Undeformed Length	1	0.0022	0	0	0
99	Undeformed Length	1	0.0023	0	0	0
100	Undeformed Length	1	0.0023	0	0	0
101	Undeformed Length	1	0.0025	0	0	0
102	Undeformed Length	1	0.0027	0	0	0
103	Undeformed Length	1	0.003	0	0	0
104	Undeformed Length	1	0.0033	0	0	0
105	Undeformed Length	1	0.0037	0	0	0
106	Undeformed Length	1	0.0041	0	0	0
107	Undeformed Length	1	0.0046	0	0	0
108	Undeformed Length	1	0.0052	0	0	0
109	Undeformed Length	1	0.0059	0	0	0
110	Undeformed Length	1	0.0066	0	0	0
111	Undeformed Length	1	0.0075	0	0	0
112	Undeformed Length	1	3.6216	3.6921	3.4628	0.15727
113	Undeformed Length	1	2.3985	2.3956	2.3956	0.0607
114	Undeformed Length	1	5.7505	5.7505	5.7468	0.34895
258	Undeformed Length	1	5.5616	5.3306	4.3545	0.21314
259	Undeformed Length	1	3.575	3.4551	2.811	0.08881
260	Undeformed Length	1	0.4793	0.4746	0.4107	0.00141
261	Undeformed Length	1	0.9987	0.9855	0.8687	0.00591
262	Undeformed Length	1	0.9981	0.9862	0.8888	0.00564
263	Undeformed Length	1	0.9975	0.9868	0.9068	0.00542

Table: Cable Shape Data, Part 1 of 2

Cable	CableType	NumSegs	TensionI Tonf	TensionJ Tonf	TensionHor z Tonf	SagMax m
264	Undeformed Length	1	0.9969	0.9874	0.9228	0.00523
265	Undeformed Length	1	0.9963	0.988	0.9371	0.00508
266	Undeformed Length	1	0.9958	0.9885	0.9495	0.00495
267	Undeformed Length	1	0.9952	0.989	0.9603	0.00483
268	Undeformed Length	1	0.9947	0.9895	0.9694	0.00474
269	Undeformed Length	1	0.9942	0.99	0.977	0.00467
270	Undeformed Length	1	0.9938	0.9905	0.9829	0.00461
271	Undeformed Length	1	0.9933	0.991	0.9874	0.00457
272	Undeformed Length	1	0.9928	0.9914	0.9904	0.00455
273	Undeformed Length	1	0.9924	0.9919	0.9919	0.00453
274	Undeformed Length	1	0.9919	0.9924	0.9919	0.00453
275	Undeformed Length	1	0.9914	0.9928	0.9904	0.00455
276	Undeformed Length	1	0.991	0.9933	0.9874	0.00457
277	Undeformed Length	1	0.9905	0.9938	0.9829	0.00461
278	Undeformed Length	1	0.99	0.9942	0.977	0.00467
279	Undeformed Length	1	0.9895	0.9947	0.9694	0.00474
280	Undeformed Length	1	0.989	0.9952	0.9603	0.00483
281	Undeformed Length	1	0.9885	0.9958	0.9495	0.00495
282	Undeformed Length	1	0.988	0.9963	0.9371	0.00508
283	Undeformed Length	1	0.9874	0.9969	0.9228	0.00523
284	Undeformed Length	1	0.9868	0.9975	0.9068	0.00542
285	Undeformed Length	1	0.9862	0.9981	0.8888	0.00564
286	Undeformed Length	1	0.9855	0.9987	0.8687	0.00591
287	Undeformed Length	1	0.4746	0.4793	0.4107	0.00141
288	Undeformed Length	1	0.0075	0	0	0
289	Undeformed Length	1	0.0066	0	0	0
290	Undeformed Length	1	0.0059	0	0	0
291	Undeformed Length	1	0.0052	0	0	0
292	Undeformed Length	1	0.0046	0	0	0
293	Undeformed Length	1	0.0041	0	0	0
294	Undeformed Length	1	0.0037	0	0	0
295	Undeformed Length	1	0.0033	0	0	0
296	Undeformed Length	1	0.003	0	0	0
297	Undeformed Length	1	0.0027	0	0	0
298	Undeformed Length	1	0.0025	0	0	0
299	Undeformed Length	1	0.0023	0	0	0
300	Undeformed Length	1	0.0023	0	0	0
301	Undeformed Length	1	0.0022	0	0	0
302	Undeformed Length	1	0.0023	0	0	0
303	Undeformed Length	1	0.0023	0	0	0
304	Undeformed Length	1	0.0025	0	0	0
305	Undeformed Length	1	0.0027	0	0	0
306	Undeformed Length	1	0.003	0	0	0
307	Undeformed Length	1	0.0033	0	0	0
308	Undeformed Length	1	0.0037	0	0	0
309	Undeformed Length	1	0.0041	0	0	0
310	Undeformed Length	1	0.0046	0	0	0
311	Undeformed Length	1	0.0052	0	0	0
312	Undeformed Length	1	0.0059	0	0	0
313	Undeformed Length	1	0.0066	0	0	0
314	Undeformed Length	1	0.0075	0	0	0
315	Undeformed Length	1	3.6216	3.6921	3.4628	0.15727
316	Undeformed Length	1	2.3985	2.3956	2.3956	0.0607

Table: Cable Shape Data, Part 1 of 2

Cable	CableType	NumSegs	TensionI Tonf	TensionJ Tonf	TensionHor z Tonf	SagMax m
317	Undeformed Length	1	5.7505	5.7505	5.7468	0.34895

Table: Cable Shape Data, Part 2 of 2

Table: Cable Shape Data, Part 2 of 2

Cable	SagLow m	UnDefLengt h m	UnDefRelLe n	AddedWt Tonf/m	ProjLoad Tonf/m	UseDefGeo m	UseFrames
55	0	24.10163	1	0	0	No	No
56	0	12.5	1	0	0	No	No
57	0	0.58068	1	0	0	No	No
58	0	1.71291	1	0	0	No	No
59	0	1.67426	1	0	0	No	No
60	0	1.64104	1	0	0	No	No
61	0	1.61249	1	0	0	No	No
62	0	1.58804	1	0	0	No	No
63	0	1.56721	1	0	0	No	No
64	0	1.54964	1	0	0	No	No
65	0	1.53504	1	0	0	No	No
66	0	1.52319	1	0	0	No	No
67	0	1.5139	1	0	0	No	No
68	0	1.50704	1	0	0	No	No
69	0	1.50252	1	0	0	No	No
70	0	1.50028	1	0	0	No	No
71	0	1.50028	1	0	0	No	No
72	0	1.50252	1	0	0	No	No
73	0	1.50704	1	0	0	No	No
74	0	1.5139	1	0	0	No	No
75	0	1.52319	1	0	0	No	No
76	0	1.53504	1	0	0	No	No
77	0	1.54964	1	0	0	No	No
78	0	1.56721	1	0	0	No	No
79	0	1.58804	1	0	0	No	No
80	0	1.61249	1	0	0	No	No
81	0	1.64104	1	0	0	No	No
82	0	1.67426	1	0	0	No	No
83	0	1.71291	1	0	0	No	No
84	0	0.58068	1	0	0	No	No
85	0	7.47973	1	0	0	No	No
86	0	6.65264	1	0	0	No	No
87	0	5.9089	1	0	0	No	No
88	0	5.24331	1	0	0	No	No
89	0	4.65159	1	0	0	No	No
90	0	4.13019	1	0	0	No	No
91	0	3.67617	1	0	0	No	No
92	0	3.2871	1	0	0	No	No
93	0	2.96098	1	0	0	No	No
94	0	2.69623	1	0	0	No	No
95	0	2.49156	1	0	0	No	No
96	0	2.34603	1	0	0	No	No
97	0	2.25898	1	0	0	No	No
98	0	2.23	1	0	0	No	No
99	0	2.25898	1	0	0	No	No

Table: Cable Shape Data, Part 2 of 2

Cable	SagLow	UnDefLengt h	UnDefRelLe n	AddedWt	ProjLoad	UseDefGeo m	UseFrames
	m	m		Tonf/m	Tonf/m		
100	0	2.34603	1	0	0	No	No
101	0	2.49156	1	0	0	No	No
102	0	2.69623	1	0	0	No	No
103	0	2.96098	1	0	0	No	No
104	0	3.2871	1	0	0	No	No
105	0	3.67617	1	0	0	No	No
106	0	4.13019	1	0	0	No	No
107	0	4.65159	1	0	0	No	No
108	0	5.24331	1	0	0	No	No
109	0	5.9089	1	0	0	No	No
110	0	6.65264	1	0	0	No	No
111	0	7.47973	1	0	0	No	No
112	0	20.88067	1	0	0	No	No
113	0	10.5036	1	0	0	No	No
114	0.34895	39	1	0	0	No	No
258	0	24.10163	1	0	0	No	No
259	0	12.5	1	0	0	No	No
260	0	0.58068	1	0	0	No	No
261	0	1.71291	1	0	0	No	No
262	0	1.67426	1	0	0	No	No
263	0	1.64104	1	0	0	No	No
264	0	1.61249	1	0	0	No	No
265	0	1.58804	1	0	0	No	No
266	0	1.56721	1	0	0	No	No
267	0	1.54964	1	0	0	No	No
268	0	1.53504	1	0	0	No	No
269	0	1.52319	1	0	0	No	No
270	0	1.5139	1	0	0	No	No
271	0	1.50704	1	0	0	No	No
272	0	1.50252	1	0	0	No	No
273	0	1.50028	1	0	0	No	No
274	0	1.50028	1	0	0	No	No
275	0	1.50252	1	0	0	No	No
276	0	1.50704	1	0	0	No	No
277	0	1.5139	1	0	0	No	No
278	0	1.52319	1	0	0	No	No
279	0	1.53504	1	0	0	No	No
280	0	1.54964	1	0	0	No	No
281	0	1.56721	1	0	0	No	No
282	0	1.58804	1	0	0	No	No
283	0	1.61249	1	0	0	No	No
284	0	1.64104	1	0	0	No	No
285	0	1.67426	1	0	0	No	No
286	0	1.71291	1	0	0	No	No
287	0	0.58068	1	0	0	No	No
288	0	7.47973	1	0	0	No	No
289	0	6.65264	1	0	0	No	No
290	0	5.9089	1	0	0	No	No
291	0	5.24331	1	0	0	No	No
292	0	4.65159	1	0	0	No	No
293	0	4.13019	1	0	0	No	No
294	0	3.67617	1	0	0	No	No
295	0	3.2871	1	0	0	No	No

Table: Cable Shape Data, Part 2 of 2

Cable	SagLow	UnDefLengt h	UnDefRelLe n	AddedWt	ProjLoad	UseDefGeo m	UseFrames
	m	m		Tonf/m	Tonf/m		
296	0	2.96098	1	0	0	No	No
297	0	2.69623	1	0	0	No	No
298	0	2.49156	1	0	0	No	No
299	0	2.34603	1	0	0	No	No
300	0	2.25898	1	0	0	No	No
301	0	2.23	1	0	0	No	No
302	0	2.25898	1	0	0	No	No
303	0	2.34603	1	0	0	No	No
304	0	2.49156	1	0	0	No	No
305	0	2.69623	1	0	0	No	No
306	0	2.96098	1	0	0	No	No
307	0	3.2871	1	0	0	No	No
308	0	3.67617	1	0	0	No	No
309	0	4.13019	1	0	0	No	No
310	0	4.65159	1	0	0	No	No
311	0	5.24331	1	0	0	No	No
312	0	5.9089	1	0	0	No	No
313	0	6.65264	1	0	0	No	No
314	0	7.47973	1	0	0	No	No
315	0	20.88067	1	0	0	No	No
316	0	10.5036	1	0	0	No	No
317	0.34895	39	1	0	0	No	No

Table: Case - Modal 1 - General

Table: Case - Modal 1 - General

Case	ModeType	MaxNumMo des	MinNumMo des	EigenShift	EigenCutoff	EigenTol	AutoShift
				Cyc/sec	Cyc/sec		
MODAL	Eigen	12	1	0	0	1E-09	Yes

Table: Case - Response Spectrum 1 - General, Part 1 of 2

Table: Case - Response Spectrum 1 - General, Part 1 of 2

Case	ModalComb o	GMCF1	GMCF2	PerRigid	DirCombo	MotionType	DampingTy pe
		Cyc/sec	Cyc/sec				
SX	CQC	1	0	SRSS	SRSS	Acceleration	Constant
SY	CQC	1	0	SRSS	SRSS	Acceleration	Constant

Table: Case - Response Spectrum 1 - General, Part 2 of 2

Table: Case - Response Spectrum 1 - General, Part 2 of 2

Case	ConstDamp	EccenRatio	NumOverrid e
SX	0.05	0	0
SY	0.05	0	0

Table: Case - Response Spectrum 2 - Load Assignments

Table: Case - Response Spectrum 2 - Load Assignments

Case	LoadType	LoadName	CoordSys	Function	Angle Degrees	TransAccSF m/sec2
SX	Acceleration	U1	GLOBAL	AASHTO 2012	0	9.8
SY	Acceleration	U2	GLOBAL	AASHTO 2012	0	9.8

Table: Case - Static 1 - Load Assignments

Table: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1
LIVE	Load pattern	LIVE	1
GRANIZO	Load pattern	GRANIZO	1
VIENTOX	Load pattern	VIENTO1	1
VIENTOY	Load pattern	VIENTO2	1

Table: Combination Definitions, Part 1 of 3

Table: Combination Definitions, Part 1 of 3

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
COMBO1	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO1			Linear Static	LIVE	1.75	
COMBO2	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO2			Linear Static	LIVE	1.35	
COMBO2			Linear Static	VIENTOX	0.4	
COMBO3	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO3			Response Spectrum	SX	1	
COMBO3			Response Spectrum	SY	0.3	
COMBO4	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO4			Response Spectrum	SX	1	
COMBO4			Response Spectrum	SY	-0.3	
COMBO5	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO5			Response Spectrum	SX	-1	
COMBO5			Response Spectrum	SY	0.3	
COMBO6	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO6			Response Spectrum	SX	-1	
COMBO6			Response Spectrum	SY	-0.3	
COMBO7	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO7			Response Spectrum	SY	1	
COMBO7			Response Spectrum	SX	0.3	
COMBO8	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO8			Response Spectrum	SY	1	
COMBO8			Response Spectrum	SX	-0.3	
COMBO9	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO9			Response Spectrum	SY	-1	
COMBO9			Response Spectrum	SX	0.3	
COMBO10	Linear Add	No	Linear Static	DEAD	1.25	Strength
COMBO10			Response Spectrum	SY	-1	
COMBO10			Response Spectrum	SX	-0.3	
COMBO11	Linear Add	No	Linear Static	DEAD	1	Strength
COMBO11			Linear Static	LIVE	1	
COMBO11			Linear Static	VIENTOX	0.3	

Table: Combination Definitions, Part 1 of 3

ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor	SteelDesign
ENVOLVENTE	Envelope	No	Response Combo	COMBO1	1	None
ENVOLVENTE			Response Combo	COMBO2	1	
ENVOLVENTE			Response Combo	COMBO3	1	
ENVOLVENTE			Response Combo	COMBO4	1	
ENVOLVENTE			Response Combo	COMBO5	1	
ENVOLVENTE			Response Combo	COMBO6	1	
ENVOLVENTE			Response Combo	COMBO7	1	
ENVOLVENTE			Response Combo	COMBO8	1	
ENVOLVENTE			Response Combo	COMBO9	1	
ENVOLVENTE			Response Combo	COMBO10	1	
ENVOLVENTE			Response Combo	COMBO11	1	
REAL	Linear Add	No	Linear Static	DEAD	1	Deflection
REAL			Linear Static	LIVE	1	
CONTRAFLEC GA 1.0D	Linear Add	No	Linear Static	DEAD	1	None

Table: Combination Definitions, Part 2 of 3

Table: Combination Definitions, Part 2 of 3

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
COMBO1	DEAD	Strength	None	None
COMBO1	LIVE			
COMBO2	DEAD	Strength	None	None
COMBO2	LIVE			
COMBO2	VIENTOX	Strength	None	None
COMBO3	DEAD			
COMBO3	SX			
COMBO3	SY	Strength	None	None
COMBO4	DEAD			
COMBO4	SX			
COMBO4	SY	Strength	None	None
COMBO5	DEAD			
COMBO5	SX			
COMBO5	SY	Strength	None	None
COMBO6	DEAD			
COMBO6	SX			
COMBO6	SY	Strength	None	None
COMBO7	DEAD			
COMBO7	SY			
COMBO7	SX	Strength	None	None
COMBO8	DEAD			
COMBO8	SY			
COMBO8	SX	Strength	None	None
COMBO9	DEAD			
COMBO9	SY			
COMBO9	SX	Strength	None	None
COMBO10	DEAD			
COMBO10	SY			
COMBO10	SX	Strength	None	None
COMBO11	DEAD			
COMBO11	LIVE			
COMBO11	VIENTOX	None	None	None
ENVOLVENTE	COMBO1			

Table: Combination Definitions, Part 2 of 3

ComboName	CaseName	ConcDesign	AlumDesign	ColdDesign
ENVOLVENTE	COMBO2			
ENVOLVENTE	COMBO3			
ENVOLVENTE	COMBO4			
ENVOLVENTE	COMBO5			
ENVOLVENTE	COMBO6			
ENVOLVENTE	COMBO7			
ENVOLVENTE	COMBO8			
ENVOLVENTE	COMBO9			
ENVOLVENTE	COMBO10			
ENVOLVENTE	COMBO11			
REAL	DEAD	None	None	None
REAL	LIVE			
CONTRAFLECGA 1.0D	DEAD	None	None	None

Table: Combination Definitions, Part 3 of 3

Table: Combination Definitions, Part 3 of 3

ComboName	CaseName	GUID	Notes
COMBO1	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO1	LIVE		
COMBO2	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO2	LIVE		
COMBO2	VIENTOX		
COMBO3	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO3	SX		
COMBO3	SY		
COMBO4	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO4	SX		
COMBO4	SY		
COMBO5	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO5	SX		
COMBO5	SY		
COMBO6	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO6	SX		
COMBO6	SY		
COMBO7	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO7	SY		
COMBO7	SX		
COMBO8	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO8	SY		
COMBO8	SX		
COMBO9	DEAD	777b4bb6-68cb-4635-81 5f-2930f92e2d39	
COMBO9	SY		
COMBO9	SX		

Table: Combination Definitions, Part 3 of 3

ComboName	CaseName	GUID	Notes
COMBO10	DEAD	777b4bb6-68cb-4635-815f-2930f92e2d39	
COMBO10	SY		
COMBO10	SX		
COMBO11	DEAD	777b4bb6-68cb-4635-815f-2930f92e2d39	
COMBO11	LIVE		
COMBO11	VIENTOX		
ENVOLVENTE	COMBO1	9f469883-0466-4889-9733-f4d3ba3e4793	
ENVOLVENTE	COMBO2		
ENVOLVENTE	COMBO3		
ENVOLVENTE	COMBO4		
ENVOLVENTE	COMBO5		
ENVOLVENTE	COMBO6		
ENVOLVENTE	COMBO7		
ENVOLVENTE	COMBO8		
ENVOLVENTE	COMBO9		
ENVOLVENTE	COMBO10		
ENVOLVENTE	COMBO11		
REAL	DEAD	67fb960d-cae4-4a41-855c-a61d31f69141	
REAL	LIVE		
CONTRAFLECGA 1.0D	DEAD	2aabca46-218d-4137-9d66-eb0793ffb19f	

Table: Connectivity - Cable

Table: Connectivity - Cable

Cable	JointI	JointJ	Length m	GUID
55	4	5	24.10163	990a211e-154b-4960-ba65-c8d204a89d3d
56	3	2	12.5	df587ed1-59ba-40e0-a0da-abf370d6d824
57	3	76	0.58068	6d733f8f-1b75-4cab-b695-3ad0ab1bd98d
58	76	75	1.71291	851273e3-0dd6-4e9d-9d6d-46c6b322a7d6
59	75	73	1.67426	2293958a-0fe4-4b82-8b15-1b5975899d94
60	73	71	1.64104	0263c970-aa44-4cf2-bc92-da18e2996e94
61	71	69	1.61249	c2701562-d17d-47c1-a170-8705c6284431
62	69	42	1.58804	7346da35-ea86-444a-b79c-36d4dc9d5d51
63	42	40	1.56721	09e7ddb1-f8bf-4d56-a509-472a9839ab1a
64	40	38	1.54964	caacf4db-ef61-4e0a-9b63-d58b79bf3f9b
65	38	36	1.53504	1f46b505-8fa0-4120-ad8e-9d7965f93ecc
66	36	34	1.52319	b1fbd989-3304-42c8-b663-ea4b73396cd7
67	34	32	1.5139	d5a5a38b-d36b-470a-be97-952e810cf6d4

Table: Connectivity - Cable

Cable	JointI	JointJ	Length m	GUID
68	32	30	1.50704	38f86464-7c69-4809-80d b-9050b2985d48
69	30	28	1.50252	09e4178c-ad8f-46f4-9f2e -dfdf37958e13
70	28	8	1.50028	acc4e128-b513-46a2-8cf b-1599775bcf8d
71	8	44	1.50028	6272cd74-5acb-46e8-ab 83-6c729603bfed
72	44	46	1.50252	491493f7-2c80-4fa7-86d 2-bd41330e1e17
73	46	48	1.50704	9a3de497-2449-4755-a6 06-c7f7e965840d
74	48	50	1.5139	66beaf4c-b6d4-4565-a4e 0-cf89cd78ed60
75	50	52	1.52319	581cb75f-8654-4c9f-9d0 1-a5b938c511d4
76	52	54	1.53504	5b607201-0a35-4e6f-957 8-59d35f167478
77	54	56	1.54964	d0d0349f-dd1f-4bf1-a283 -a70cd99eb0af
78	56	58	1.56721	e1753fd7-c68d-4766-9e0 d-59cabaa54ffe
79	58	60	1.58804	1b4a7351-a06a-4f49-af8 3-27471f2bae5e
80	60	62	1.61249	279a9589-ad45-427c-a3 bf-8141c76547cb
81	62	64	1.64104	722573d6-b7a1-4ed5-92 0a-2dba6abb8a22
82	64	66	1.67426	2be1c3e0-61db-45e4-a4 6b-95961e0eff91
83	66	67	1.71291	1d5223f3-0956-423c-8b7 2-4795109ddc94
84	67	4	0.58068	6dea1071-43ac-46b4-bd bc-4a7a2a44d3fe
85	76	1	7.47973	4454442f-1599-4cfa-927 a-7a065f08318b
86	75	79	6.65264	0c12a888-3d24-4841-b0 6c-411d2e9433f9
87	73	80	5.9089	b0dd8cb8-c241-4aad-9e 96-fe6eb27bf00c
88	71	81	5.24331	dc27e11b-60eb-4367-b4 52-a0b90a576ebe
89	69	82	4.65159	5984ac95-28d1-48b0-9f8 7-9f8145dc51aa
90	42	83	4.13019	97f94061-9bc2-4c8d-9fa 4-e025ef53a45c
91	40	84	3.67617	c22b820e-e86e-418a-86 42-d7d3470a6297
92	38	85	3.2871	4eaf1c93-d8ad-4bbe-8e3 b-998b0f04d8cc
93	36	86	2.96098	fa792dce-5d41-490b-955 7-b4edb7412c1c
94	34	87	2.69623	a887e388-7c53-4a25-b1f 3-b8e4324e0628
95	32	88	2.49156	e5d424e9-ed1b-4b08-9c 57-dcc70435d2ea
96	30	89	2.34603	3f934ade-057b-4d59-a81 4-c8dfdf4a309
97	28	90	2.25898	4c0f26bd-aa47-48fb-8ed 2-52e3f921d75d

Table: Connectivity - Cable

Cable	JointI	JointJ	Length m	GUID
98	8	91	2.23	39ca5db7-b66a-4f70-a9a0-d87bb9c9f2c4
99	44	92	2.25898	8e9cff6-8adc-4348-a607-741dd2038219
100	46	93	2.34603	799f5dde-0361-47d7-bddb-2193e27e7eea
101	48	94	2.49156	e06eb4b3-0b37-4d07-b91a-83103ea62136
102	50	95	2.69623	091e4797-56af-4a76-a19d-a7255fbab0b5
103	52	96	2.96098	89dba918-76a3-427f-bda5-2b89aac39905
104	54	97	3.2871	7e613aba-ff0b-4770-ba89-4294dc1a0c97
105	56	98	3.67617	a4436b3d-ab92-4637-bccd-6871ba75186f
106	58	99	4.13019	18709a40-47e7-4c7f-95f3-926ce8a6097d
107	60	100	4.65159	b981d64a-370e-4640-8ecc-a2cf5b2145cb
108	62	101	5.24331	ddd5f03b-4184-49a8-a788-0bd9e744f44d
109	64	102	5.9089	5a9f5226-5d4b-4963-9272-4ae7b7abece0
110	66	103	6.65264	8a404b49-ba54-44e0-8dab-aac84d24973f
111	67	6	7.47973	e4b39fb2-0a51-48b2-a5eb-75936dcf1d74
112	5	6	20.88067	a9733b1c-241e-4cfb-9e19-0fe64923ce6f
113	2	1	10.5036	41bb7285-e40b-4302-a146-fabf159baff7
114	1	6	39	c3c9de8d-f2c9-4b26-916a-5e8ecb2a5d8a
258	167	168	24.10163	bdd854a7-bac4-4077-80a5-c6820865f561
259	166	165	12.5	34f7d0ce-de3f-4098-bea1-79be9c285419
260	166	196	0.58068	ac1690e9-28d1-4063-90b4-2ba137b65e6b
261	196	195	1.71291	3e1d0093-42b0-4d55-8b9a-b5d6cba4bb6e
262	195	194	1.67426	2f6d28ed-434c-4cd3-b4e2-198b8bcc9899
263	194	193	1.64104	79027c8f-9f40-4543-8f6d-ac051dc135a7
264	193	192	1.61249	7369ae26-14c5-46f1-a168-1266e20e8d26
265	192	178	1.58804	f6d93ede-74ed-4707-b8c2-e42265236e9a
266	178	177	1.56721	24e6268c-1e6f-496b-901e-dd698ddd1d23
267	177	176	1.54964	2bd0218b-5a81-47b2-99cf-ab52f7b85809
268	176	175	1.53504	2d03cfa1-8f61-4ed7-8500-3a77fb0d9fa1
269	175	174	1.52319	ba04a88e-2f12-4fc3-b992-5e5aa8b8d2d8
270	174	173	1.5139	863db0e2-186d-403d-a02d-acb6ed595123

Table: Connectivity - Cable

Cable	JointI	JointJ	Length m	GUID
271	173	172	1.50704	01674e6a-a852-4c75-bf97-e23d883a5e18
272	172	171	1.50252	4c60c739-1172-4ada-a761-e8d775e48f80
273	171	170	1.50028	66bc930c-f879-4925-a9d9-73a49cfb6bbf
274	170	179	1.50028	c6023c2d-ac96-4f96-ae81-0eefb318ac8d
275	179	180	1.50252	52f0b8f8-eea4-4ffd-8415-16554d1431de
276	180	181	1.50704	24be3daa-a0b7-4f90-ae06-024a397c63fd
277	181	182	1.5139	bb48f9e1-5085-48ef-b1ff-2303fc80e05e
278	182	183	1.52319	59ba5fba-a402-4ed8-8da1-907531c19060
279	183	184	1.53504	5d43227b-b66a-4342-872b-a763c5a4ec8c
280	184	185	1.54964	ff461cc7-ae0f-4b78-a983-a7c45374ce13
281	185	186	1.56721	cdbd3e37-6add-4a39-8db8-354f524e5d47
282	186	187	1.58804	fa57a8d7-3027-4347-a7b9-5eff72331696
283	187	188	1.61249	27b72981-0e09-4fdc-80d9-6fc9b9dd9afb
284	188	189	1.64104	ff00f5d9-cd4c-4189-8dc6-a1bdeb91cd14
285	189	190	1.67426	0ae19856-6574-4c35-b964-8592c3eb1ae3
286	190	191	1.71291	627095f5-6368-4e0c-9251-205c6c63e992
287	191	167	0.58068	14edc89a-6fd4-405d-9a7a-15b5e32682a3
288	196	164	7.47973	d0e2297e-6f8f-4c47-a5d3-7022b3a3de8f
289	195	199	6.65264	f521257b-a8e6-4df3-96e9-ea44de2e5b46
290	194	200	5.9089	fe952663-6941-4079-b3f3-57372fab4268
291	193	201	5.24331	1a2d9a8a-7175-421c-b521-3fca5500d07c
292	192	202	4.65159	21129594-68e0-453d-94f2-78fba113af3c
293	178	203	4.13019	fc5e3cd5-ba7d-48e0-abb7-907b001bdef2
294	177	204	3.67617	2248702c-2fa9-4a6d-a5be-c9b47581129c
295	176	205	3.2871	f844a80c-5900-436c-a370-2fd025ab01b8
296	175	206	2.96098	34969146-f96c-4b3b-b936-8f993d4d3c6a
297	174	207	2.69623	ecbe70d6-47ed-4622-a929-72f265d7c826
298	173	208	2.49156	20a75fa7-9a25-4b3f-b064-b380c35626fc
299	172	209	2.34603	181e571c-e375-447c-8d14-bb2c72f891a6
300	171	210	2.25898	e74d2663-076d-49f5-b0e1-8692d7b52f18

Table: Connectivity - Cable

Cable	JointI	JointJ	Length m	GUID
301	170	211	2.23	759c8653-0f76-468b-9fd9-54b5b544637e
302	179	212	2.25898	fc34a589-9547-463e-abf2-f084b73dc17f
303	180	213	2.34603	4315341d-f5e0-45c4-a730-ddd902dd4ad1
304	181	214	2.49156	10ca3b5f-37b0-47bb-aef1-3ef93cbf7ce3
305	182	215	2.69623	3512306e-6b97-452d-bb22-126e3ec8c9b0
306	183	216	2.96098	010d1507-437f-4bd1-bf62-16d7b0dc7f30
307	184	217	3.2871	3f33c0b3-25db-4a78-9fd9-c-16cfd66e946
308	185	218	3.67617	963e7d52-8868-48db-a2b8-3bf061980232
309	186	219	4.13019	e3a517fd-05bc-4869-8237-ae92c9d8b80c
310	187	220	4.65159	2a20a6c3-39b6-4431-aa0e-2411a061d387
311	188	221	5.24331	a022ac14-134a-4f16-9ec0-b032adedfe3e
312	189	222	5.9089	8314d56b-5a9b-4159-9431-3cb53aef86e9
313	190	223	6.65264	032eabb1-e34a-4068-9494-75c70b193b5a
314	191	169	7.47973	52b54cd5-a54c-4ee9-b8da-24aeb073e1f3
315	168	169	20.88067	8f132f85-f5cf-42de-a02d-3b207baa1fef
316	165	164	10.5036	ef31e828-29fa-4c0a-8b40-a3200e85da49
317	164	169	39	754d9f91-7f51-4c82-b5b7-0b6e444b256a

Table: Connectivity - Frame, Part 1 of 2

Table: Connectivity - Frame, Part 1 of 2

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
348	224	1	No	0.1	0.5	-0.05	2.225
350	164	227	No	0.1	0.5	2.75	2.225
351	228	79	No	0.1	2	-0.05	2.225
353	199	229	No	0.1	2	2.75	2.225
354	230	80	No	0.1	3.5	-0.05	2.225
356	200	231	No	0.1	3.5	2.75	2.225
357	232	81	No	0.1	5	-0.05	2.225
359	201	233	No	0.1	5	2.75	2.225
360	234	82	No	0.1	6.5	-0.05	2.225
362	202	235	No	0.1	6.5	2.75	2.225
363	236	83	No	0.1	8	-0.05	2.225
365	203	237	No	0.1	8	2.75	2.225
366	238	84	No	0.1	9.5	-0.05	2.225
368	204	239	No	0.1	9.5	2.75	2.225
369	240	85	No	0.1	11	-0.05	2.225
371	205	241	No	0.1	11	2.75	2.225

Table: Connectivity - Frame, Part 1 of 2

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
372	242	86	No	0.1	12.5	-0.05	2.225
374	206	243	No	0.1	12.5	2.75	2.225
375	244	87	No	0.1	14	-0.05	2.225
377	207	245	No	0.1	14	2.75	2.225
378	246	88	No	0.1	15.5	-0.05	2.225
380	208	247	No	0.1	15.5	2.75	2.225
381	248	89	No	0.1	17	-0.05	2.225
383	209	249	No	0.1	17	2.75	2.225
384	250	90	No	0.1	18.5	-0.05	2.225
386	210	251	No	0.1	18.5	2.75	2.225
387	252	91	No	0.1	20	-0.05	2.225
389	211	253	No	0.1	20	2.75	2.225
390	254	92	No	0.1	21.5	-0.05	2.225
392	212	255	No	0.1	21.5	2.75	2.225
393	256	93	No	0.1	23	-0.05	2.225
395	213	257	No	0.1	23	2.75	2.225
396	258	94	No	0.1	24.5	-0.05	2.225
398	214	259	No	0.1	24.5	2.75	2.225
399	260	95	No	0.1	26	-0.05	2.225
401	215	261	No	0.1	26	2.75	2.225
402	262	96	No	0.1	27.5	-0.05	2.225
404	216	263	No	0.1	27.5	2.75	2.225
405	264	97	No	0.1	29	-0.05	2.225
407	217	265	No	0.1	29	2.75	2.225
408	266	98	No	0.1	30.5	-0.05	2.225
410	218	267	No	0.1	30.5	2.75	2.225
411	268	99	No	0.1	32	-0.05	2.225
413	219	269	No	0.1	32	2.75	2.225
414	270	100	No	0.1	33.5	-0.05	2.225
416	220	271	No	0.1	33.5	2.75	2.225
417	272	101	No	0.1	35	-0.05	2.225
419	221	273	No	0.1	35	2.75	2.225
420	274	102	No	0.1	36.5	-0.05	2.225
422	222	275	No	0.1	36.5	2.75	2.225
423	276	103	No	0.1	38	-0.05	2.225
425	223	277	No	0.1	38	2.75	2.225
426	225	6	No	0.1	39.5	-0.05	2.225
428	169	226	No	0.1	39.5	2.75	2.225
458	3	166	No	2.7	0	1.35	10
459	336	337	No	2.7	0	1.35	7.6
460	4	167	No	2.7	40	1.35	10
461	338	339	No	2.7	40	1.35	7.6
462	340	341	No	2.7	40	1.35	2.35
463	342	343	No	2.7	40	1.35	-2.9
464	4	338	No	2.4	40	0	8.8
465	338	340	No	5.25	40	0	4.975
466	340	342	No	5.25	40	0	-0.275
467	342	BASE T2 P2	No	3.59998	40	0	-4.69999
468	3	336	No	2.4	0	0	8.8
469	336	BASE T1 P2	No	7.6	0	0	3.8
470	167	339	No	2.4	40	2.7	8.8
471	339	341	No	5.25	40	2.7	4.975
472	341	343	No	5.25	40	2.7	-0.275
473	343	BASE T2 P1	No	3.59998	40	2.7	-4.69999

Table: Connectivity - Frame, Part 1 of 2

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
474	166	337	No	2.4	0	2.7	8.8
475	337	BASE T1 P1	No	7.6	0	2.7	3.8
476	1		No	0.3	0.5	0.15	2.225
477	278	333	No	1.05	0.5	0.825	2.225
478	333	335	No	1.05	0.5	1.875	2.225
479	335	164	No	0.3	0.5	2.55	2.225
480	79	344	No	0.3	2	0.15	2.225
481	344	345	No	1.05	2	0.825	2.225
482	345	346	No	1.05	2	1.875	2.225
483	346	199	No	0.3	2	2.55	2.225
484	80	347	No	0.3	3.5	0.15	2.225
485	347	348	No	1.05	3.5	0.825	2.225
486	348	349	No	1.05	3.5	1.875	2.225
487	349	200	No	0.3	3.5	2.55	2.225
488	81	350	No	0.3	5	0.15	2.225
489	350	351	No	1.05	5	0.825	2.225
490	351	352	No	1.05	5	1.875	2.225
491	352	201	No	0.3	5	2.55	2.225
492	82	353	No	0.3	6.5	0.15	2.225
493	353	354	No	1.05	6.5	0.825	2.225
494	354	355	No	1.05	6.5	1.875	2.225
495	355	202	No	0.3	6.5	2.55	2.225
496	83	356	No	0.3	8	0.15	2.225
497	356	357	No	1.05	8	0.825	2.225
498	357	358	No	1.05	8	1.875	2.225
499	358	203	No	0.3	8	2.55	2.225
500	84	359	No	0.3	9.5	0.15	2.225
501	359	360	No	1.05	9.5	0.825	2.225
502	360	361	No	1.05	9.5	1.875	2.225
503	361	204	No	0.3	9.5	2.55	2.225
504	85	362	No	0.3	11	0.15	2.225
505	362	363	No	1.05	11	0.825	2.225
506	363	364	No	1.05	11	1.875	2.225
507	364	205	No	0.3	11	2.55	2.225
508	86	365	No	0.3	12.5	0.15	2.225
509	365	366	No	1.05	12.5	0.825	2.225
510	366	367	No	1.05	12.5	1.875	2.225
511	367	206	No	0.3	12.5	2.55	2.225
512	87	368	No	0.3	14	0.15	2.225
513	368	369	No	1.05	14	0.825	2.225
514	369	370	No	1.05	14	1.875	2.225
515	370	207	No	0.3	14	2.55	2.225
516	88	371	No	0.3	15.5	0.15	2.225
517	371	372	No	1.05	15.5	0.825	2.225
518	372	373	No	1.05	15.5	1.875	2.225
519	373	208	No	0.3	15.5	2.55	2.225
520	89	374	No	0.3	17	0.15	2.225
521	374	375	No	1.05	17	0.825	2.225
522	375	376	No	1.05	17	1.875	2.225
523	376	209	No	0.3	17	2.55	2.225
524	90	377	No	0.3	18.5	0.15	2.225
525	377	378	No	1.05	18.5	0.825	2.225
526	378	379	No	1.05	18.5	1.875	2.225
527	379	210	No	0.3	18.5	2.55	2.225

Table: Connectivity - Frame, Part 1 of 2

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
528	91	380	No	0.3	20	0.15	2.225
529	380	381	No	1.05	20	0.825	2.225
530	381	382	No	1.05	20	1.875	2.225
531	382	211	No	0.3	20	2.55	2.225
532	92	383	No	0.3	21.5	0.15	2.225
533	383	384	No	1.05	21.5	0.825	2.225
534	384	385	No	1.05	21.5	1.875	2.225
535	385	212	No	0.3	21.5	2.55	2.225
536	93	386	No	0.3	23	0.15	2.225
537	386	387	No	1.05	23	0.825	2.225
538	387	388	No	1.05	23	1.875	2.225
539	388	213	No	0.3	23	2.55	2.225
540	94	389	No	0.3	24.5	0.15	2.225
541	389	390	No	1.05	24.5	0.825	2.225
542	390	391	No	1.05	24.5	1.875	2.225
543	391	214	No	0.3	24.5	2.55	2.225
544	95	392	No	0.3	26	0.15	2.225
545	392	393	No	1.05	26	0.825	2.225
546	393	394	No	1.05	26	1.875	2.225
547	394	215	No	0.3	26	2.55	2.225
548	96	395	No	0.3	27.5	0.15	2.225
549	395	396	No	1.05	27.5	0.825	2.225
550	396	397	No	1.05	27.5	1.875	2.225
551	397	216	No	0.3	27.5	2.55	2.225
552	97	398	No	0.3	29	0.15	2.225
553	398	399	No	1.05	29	0.825	2.225
554	399	400	No	1.05	29	1.875	2.225
555	400	217	No	0.3	29	2.55	2.225
556	98	401	No	0.3	30.5	0.15	2.225
557	401	402	No	1.05	30.5	0.825	2.225
558	402	403	No	1.05	30.5	1.875	2.225
559	403	218	No	0.3	30.5	2.55	2.225
560	99	404	No	0.3	32	0.15	2.225
561	404	405	No	1.05	32	0.825	2.225
562	405	406	No	1.05	32	1.875	2.225
563	406	219	No	0.3	32	2.55	2.225
564	100	407	No	0.3	33.5	0.15	2.225
565	407	408	No	1.05	33.5	0.825	2.225
566	408	409	No	1.05	33.5	1.875	2.225
567	409	220	No	0.3	33.5	2.55	2.225
568	101	410	No	0.3	35	0.15	2.225
569	410	411	No	1.05	35	0.825	2.225
570	411	412	No	1.05	35	1.875	2.225
571	412	221	No	0.3	35	2.55	2.225
572	102	413	No	0.3	36.5	0.15	2.225
573	413	414	No	1.05	36.5	0.825	2.225
574	414	415	No	1.05	36.5	1.875	2.225
575	415	222	No	0.3	36.5	2.55	2.225
576	103	416	No	0.3	38	0.15	2.225
577	416	417	No	1.05	38	0.825	2.225
578	417	418	No	1.05	38	1.875	2.225
579	418	223	No	0.3	38	2.55	2.225
580	6	279	No	0.3	39.5	0.15	2.225
581	279	332	No	1.05	39.5	0.825	2.225

Table: Connectivity - Frame, Part 1 of 2

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
582	332	334	No	1.05	39.5	1.875	2.225
583	334	169	No	0.3	39.5	2.55	2.225
584	279	416	No	1.5	38.75	0.3	2.225
585	416	413	No	1.5	37.25	0.3	2.225
586	413	410	No	1.5	35.75	0.3	2.225
587	410	407	No	1.5	34.25	0.3	2.225
588	407	404	No	1.5	32.75	0.3	2.225
589	404	401	No	1.5	31.25	0.3	2.225
590	401	398	No	1.5	29.75	0.3	2.225
591	398	395	No	1.5	28.25	0.3	2.225
592	395	392	No	1.5	26.75	0.3	2.225
593	392	389	No	1.5	25.25	0.3	2.225
594	389	386	No	1.5	23.75	0.3	2.225
595	386	383	No	1.5	22.25	0.3	2.225
596	383	380	No	1.5	20.75	0.3	2.225
597	380	377	No	1.5	19.25	0.3	2.225
598	377	374	No	1.5	17.75	0.3	2.225
599	374	371	No	1.5	16.25	0.3	2.225
600	371	368	No	1.5	14.75	0.3	2.225
601	368	365	No	1.5	13.25	0.3	2.225
602	365	362	No	1.5	11.75	0.3	2.225
603	362	359	No	1.5	10.25	0.3	2.225
604	359	356	No	1.5	8.75	0.3	2.225
605	356	353	No	1.5	7.25	0.3	2.225
606	353	350	No	1.5	5.75	0.3	2.225
607	350	347	No	1.5	4.25	0.3	2.225
608	347	344	No	1.5	2.75	0.3	2.225
609	344	278	No	1.5	1.25	0.3	2.225
610	332	417	No	1.5	38.75	1.35	2.225
611	417	414	No	1.5	37.25	1.35	2.225
612	414	411	No	1.5	35.75	1.35	2.225
613	411	408	No	1.5	34.25	1.35	2.225
614	408	405	No	1.5	32.75	1.35	2.225
615	405	402	No	1.5	31.25	1.35	2.225
616	402	399	No	1.5	29.75	1.35	2.225
617	399	396	No	1.5	28.25	1.35	2.225
618	396	393	No	1.5	26.75	1.35	2.225
619	393	390	No	1.5	25.25	1.35	2.225
620	390	387	No	1.5	23.75	1.35	2.225
621	387	384	No	1.5	22.25	1.35	2.225
622	384	381	No	1.5	20.75	1.35	2.225
623	381	378	No	1.5	19.25	1.35	2.225
624	378	375	No	1.5	17.75	1.35	2.225
625	375	372	No	1.5	16.25	1.35	2.225
626	372	369	No	1.5	14.75	1.35	2.225
627	369	366	No	1.5	13.25	1.35	2.225
628	366	363	No	1.5	11.75	1.35	2.225
629	363	360	No	1.5	10.25	1.35	2.225
630	360	357	No	1.5	8.75	1.35	2.225
631	357	354	No	1.5	7.25	1.35	2.225
632	354	351	No	1.5	5.75	1.35	2.225
633	351	348	No	1.5	4.25	1.35	2.225
634	348	345	No	1.5	2.75	1.35	2.225
635	345	333	No	1.5	1.25	1.35	2.225

Table: Connectivity - Frame, Part 1 of 2

Frame	JointI	JointJ	IsCurved	Length m	CentroidX m	CentroidY m	CentroidZ m
636	334	418	No	1.5	38.75	2.4	2.225
637	418	415	No	1.5	37.25	2.4	2.225
638	415	412	No	1.5	35.75	2.4	2.225
639	412	409	No	1.5	34.25	2.4	2.225
640	409	406	No	1.5	32.75	2.4	2.225
641	406	403	No	1.5	31.25	2.4	2.225
642	403	400	No	1.5	29.75	2.4	2.225
643	400	397	No	1.5	28.25	2.4	2.225
644	397	394	No	1.5	26.75	2.4	2.225
645	394	391	No	1.5	25.25	2.4	2.225
646	391	388	No	1.5	23.75	2.4	2.225
647	388	385	No	1.5	22.25	2.4	2.225
648	385	382	No	1.5	20.75	2.4	2.225
649	382	379	No	1.5	19.25	2.4	2.225
650	379	376	No	1.5	17.75	2.4	2.225
651	376	373	No	1.5	16.25	2.4	2.225
652	373	370	No	1.5	14.75	2.4	2.225
653	370	367	No	1.5	13.25	2.4	2.225
654	367	364	No	1.5	11.75	2.4	2.225
655	364	361	No	1.5	10.25	2.4	2.225
656	361	358	No	1.5	8.75	2.4	2.225
657	358	355	No	1.5	7.25	2.4	2.225
658	355	352	No	1.5	5.75	2.4	2.225
659	352	349	No	1.5	4.25	2.4	2.225
660	349	346	No	1.5	2.75	2.4	2.225
661	346	335	No	1.5	1.25	2.4	2.225

Table: Connectivity - Frame, Part 2 of 2

Table: Connectivity - Frame, Part 2 of 2	
Frame	GUID
348	b75ad93a-408d-4aad-90f9-8a40fee22a6e
350	8902ae8f-f4cd-4a6a-b34b-d382eb9d568d
351	5247955b-054e-4f2b-ba85-f2f142a2a2ec
353	faa8261f-6b7e-447e-a664-ed21a2be08f9
354	697cf328-33bc-4678-87dc-5dca963c025a
356	939780bc-5442-4c57-ba93-4d442fac5593
357	ed264905-4a61-4d08-a5d2-16adef86f55
359	dbad0cf7-fba9-4d4e-bda b-f8415c6fcdf
360	5affc30f-2f0b-458f-84e3-b69fb931b568
362	64fb513e-a7c5-431c-b01c-f2ecd8339dd7
363	1937d2ec-0abe-41ac-a28b-cc30ee5f8c9d
365	cc52d98b-4da9-449a-ad89-f5ece11100a1

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
366	4fdebc79-c73b-4c12-a38e-ac23f24394bd
368	3e592245-82c0-469f-870a-5d5638f3c47f
369	9509bd36-47ba-4195-b660-7c80fdb07498
371	92b38d24-4236-4cb5-b491-e767b2bbe4ac
372	188eedcd-7591-4e91-99eb-cee3702a2168
374	ee390a82-f7e9-4a06-802d-5718757aec8b
375	eb95d705-f213-4a11-870b-99f3ff8bf700
377	2a45f1e5-6847-4047-b07c-96c8065c9055
378	0af4a10b-44a1-4671-9328-ad7752295465
380	db754005-be1f-4d6c-919d-c6349d95e6c0
381	5c539b26-cfc5-48af-aea8-e4bd46ba2969
383	60b9f89b-43a2-4e60-9472-fb1c109f45d8
384	ae2a794e-2d1e-4ccd-b2cd-299628ff633b
386	2164b137-e0cd-41cd-84ae-d3db8214d1f1
387	3bc90404-9089-4dc2-a460-b91c70151843
389	e45fbfc8-b0d1-4a4d-846a-3872d6b51a3e
390	d1569658-dcd8-4b86-834d-2ed86718fe1a
392	3284ced1-51f6-4d5d-8469-3be495f298b7
393	eac5e973-b504-45cb-802a-385ed318f769
395	54984031-6a58-461d-a7ef-382cbcd4e442
396	a5d5e2e2-d039-484d-885a-1f024cc0d7b6
398	6e807bcb-27b7-418b-8e42-44b468ca450e
399	72700432-a65c-4db4-8eae-39810d716249
401	3a935560-2500-4a0a-b96d-61cb6fe56040
402	08a10723-3599-4adf-8c89-682c7aa1b4d5
404	375d6adb-45a1-4e5a-b43b-ffeae8d8ac4f
405	12c8fe18-b6ec-4fa6-b4f6-a8ac8e45e334
407	6bcc9582-77f3-4b35-8599-54cce54aee3
408	5edda961-8b20-4f8a-b1f1-58f3a123ec8f
410	a3eed7bf-6c5f-4753-a83d-9d6dde693495

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
411	2f3711f5-a147-40c6-9ad9-9737ac55a6d7
413	ec725b71-301f-4470-89e3-b8e6642aed72
414	b9f9572e-982b-4bad-8317-a05ae4c7f23f
416	57333b41-95dc-4643-81e5-a5aca4224fe9
417	8b08cb52-7e31-43a1-b597-3cedcc39623e
419	2d696f71-bfbb-40c4-933d-cb4984830d68
420	ff848129-66c4-4c5e-8c0e-dfe678a0c19d
422	1d38233f-1a6f-4a0d-9b26-9e0ac9beaf85
423	a6a9daca-8a96-40c9-af3f-208c350b00c9
425	4c02aba6-16f3-4f0b-bfc8-52b7f67703ae
426	dcf8d552-0339-43ab-aaaf-065a1cec4e5a
428	d0857de2-22a7-4244-8bd3-253e21ae0082
458	d48e9064-d3c6-44f6-bde6-8d8109dca723
459	0120beeb-e84d-4d84-9b40-1c12dfeea264
460	d3a3d6b1-f373-435d-9011-81e8f34f3c12
461	cea09498-0915-49d0-a00c-4b496eda85b3
462	b6dc4849-b253-4db3-bdeb-1486dd697466
463	040c3da0-4732-4b7a-affc-185327157bac
464	06bc7f78-4252-46f3-9118-0ed6edf816dd
465	c45c4235-8d0d-4398-86cb-088b18777c84
466	20f2038d-5a82-44dd-8822-5933a78b115d
467	e2bc3f88-4e2a-4e44-ac85-84c724b628c8
468	f54096ce-f5ed-418f-b711-a56f18c890e1
469	943b450f-ea51-4000-9a50-6558a11fbeb0
470	8afb9dc-72af-4aa9-8af9-587efd78c679
471	2f207224-3fe5-41c7-b455-8bfca4e32f8e
472	6325b376-328a-4d51-bc26-4d92fbfc2b9b
473	f7de3727-01dd-4ca6-b492-40ccfdcdf195
474	eb4ef7a0-b39b-44dc-b31f-734b5b921190
475	cec65190-28ed-4a2e-a219-11f75a191657

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
476	49d38170-2b16-4415-95c5-2b0f11d0bd5f
477	f8ff619f-5cbb-4655-a92b-827e29cdeed2
478	a9638587-2d4c-4cb4-88b7-84e2a321d89d
479	0269134c-e2ad-4e7c-a46c-5e21e8ade279
480	51ab86dd-9182-4d06-82b5-cc6a452d2d61
481	dac329ec-76cb-4ecf-9267-33530a556ff5
482	898e6b59-74c0-4b40-8da9-44f85266efe7
483	3722b11e-5338-4a3b-9b1d-f30c9c9cdf67
484	e93793a7-b402-4738-9bf3-1f3569a6decf
485	41da1449-ac6b-45f6-b3d2-1baa35180c20
486	13e39012-a997-4c75-97c2-335ca32d8c77
487	19ed4356-8f7d-46ce-880b-b2ef55ce0c42
488	36aff7b1-99fe-4594-818f-2d9e80f2519d
489	b3aaeabf-55e5-4cc8-982d-843fe7128387
490	e7581204-a1d7-4ad8-b19b-66722dc8f42d
491	30b33813-277b-4d20-bf51-6046154c62a1
492	62f1c91f-67e0-4232-a670-fa81eb3a2ac9
493	5256b3dc-cc9c-4677-9bd0-caecc105ac78
494	32808a46-0155-4b6e-8e66-1d8b4864b64d
495	f33947f3-0dfe-4e1c-88a9-77cc57d0a090
496	2fde79dd-e5d9-4a96-ac0b-8136902a4848
497	af246f5d-9cc2-4539-be42-537a4f1388f2
498	8b41d2e2-5747-443e-9352-235999c7660a
499	ed0cb819-aa90-4c56-b925-a4b4f9afc1e9
500	5867c52b-c215-4865-8f98-cced6c09f08e
501	224ad694-0958-40d0-aa3f-3359d0f31f6a
502	8626c93a-fbfe-47a6-8d37-fc087c6234b7
503	020446cf-8161-47ef-bf74-9317863cf9eb
504	03f53e23-ecc2-42fc-a4ae-d99fb21e4c0f
505	87b3c68e-ed5e-4bde-9c22-4b5e75329d45

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
506	b5421edd-c5d4-49a7-9c3a-ea39b89ce9dd
507	e27b509c-f516-470e-bfe c-670ad1d1e20c
508	9f5de1a4-5199-4f60-913 4-e8d52b7d4757
509	3936143a-0080-4888-ba 4a-4c351f9ee8c0
510	a2f8ef59-156f-4fc3-852f- 900c9ea75e8b
511	626c2924-c81b-4e26-95 0a-0d160cbab7ab
512	cbbaec87-e3e2-4aa4-9c 16-8c4ef38c6005
513	a9da9c56-7c65-490d-b0 61-fbe4bf31657b
514	95ce3148-24f6-440c-b8f 1-8a57c1244c92
515	77505667-5e20-4d47-8e 43-b80301b4a21f
516	a7943cd1-f7b5-4d5e-bc3 9-a6d7d74214f9
517	b25e949a-815e-4f74-8e3 e-bea7e3daaca0
518	ea3deaf7-8d08-4c1f-827 2-fa49913380f2
519	b7e0cd30-b523-47a5-8c c1-b861b4c53dd6
520	e4c9b9f7-9f31-43d2-911 5-73bd5dc67280
521	8259c7b6-6b4a-4c99-ba a9-07b664d47d2c
522	09328766-7717-4aa9-b6 9e-29113509acfe
523	a05d3165-1f22-4ef4-9faf- 55c40c7ac718
524	ca899017-8d0d-49ae-96 ac-dfd34b79e6e2
525	ede5b723-f2a1-4583-8cb f-964d20536c10
526	7ccb7d02-9c05-4085-81 20-f794c8014c67
527	763f674a-6da7-4cf7-888 c-bccfe675788e
528	58c49ed3-60d6-4191-a6 b8-070bc8baab37
529	773d4210-f2d9-4ee2-947 f-3e6172008ab2
530	ea720da5-7f8c-46bc-8e6 5-8b4e0f714949
531	644ca168-6fa6-48cb-959 e-7ba19e89cd80
532	eafe556f-efc9-441a-9a31 -f4c86b64050d
533	1d21e880-c488-4732-94 e2-93086dce4f40
534	6e6612e6-a9ec-4628-bd 68-d7e19fa8edb6
535	7987eb87-5e7e-403f-bb2 c-8cb0d29b834b

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
536	b1d0a5e7-88f1-4b46-9c4c-0ae3adc610b7
537	56b3dfa7-099c-40ac-9707-32882333459f
538	829d5b0b-9d92-46ec-b2c1-30deab3f1d73
539	da1a3a40-e704-470f-afb8-e45abe668ef4
540	3fdf074a-427e-4c6a-99ca-2bb21a19b024
541	4b7d94ed-6da6-410f-91c3-3d6c930f8da0
542	83471bdd-b119-4ecf-a916-f56194a97c9d
543	8609aa05-459d-4917-a5a2-88862e94a176
544	5e74be45-7c48-47e7-a6cc-4a5774654302
545	c72c18ed-8a57-437b-b487-e4c37cc7d7fa
546	9881cda5-656f-4ce8-98e8-5d646961b4d8
547	a19579b8-735c-49ea-9d55-ae5601e6387b
548	2b555118-600b-40d8-b5e2-269c0ba385d5
549	eebb2620-986e-476f-8f88-15056880d7e6
550	4f5e0965-7163-4d83-8134-9bd5fc31d959
551	3085b709-6c67-4dee-9c26-cbfe41337416
552	cda19f8c-3823-4e1d-811c-0b20b4b63209
553	a2a9dd0a-e14e-43dd-8725-5a6be936ed78
554	78edb7bd-177e-49f0-b15a-d42dbd0f0bfd
555	7f751008-68c8-462e-ba15-70df25d81f66
556	7a899dd4-35f4-4e14-82b3-46aa812f5674
557	f55cce0c-81c7-4497-86d5-f1c277fa3daa
558	7b94a647-d69f-43d8-9dd7-b6d69fcc04cf
559	895d9386-23f3-4e07-8d14-b8a03c49f2d3
560	fc143a1d-41b8-4910-bd68-6fe6377bdbea
561	be994799-86a2-48f1-805a-f5d1a4f209c6
562	cef37719-e315-4926-aaac-2e75f1a5d297
563	c37a8ebc-1bd5-41c3-a191-a883a0a53f05
564	13549ef4-9046-4730-848e-a8667f2a2460
565	3cb60be2-1408-4c92-8e5d-1d9a8d39091f

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
566	7ceb186d-aebd-4eff-9ca 1-b1cc567d2a34
567	5b4ebdd1-3f08-46d2-a1e d-800dfc97315c
568	d11420c3-902f-4b95-aa5 6-b1e037746ccd
569	04f76f60-b751-4fef-9e92- 2cde7b4545f9
570	7b234dd2-bcf6-430c-8ee 5-df314af3eb3c
571	ddd554a3-8259-4b39-98 02-32c2d5b2f76c
572	ee525d89-1f29-4d0e-b97 2-130186b0e4a6
573	216c24b7-09ad-4258-94 39-6f0c8b59d9a2
574	34d32492-3013-40e4-9d 69-0088cd675f38
575	12c513a2-c8e1-4948-8e 24-972b59453ff6
576	994f0dcc-6189-48bb-9db 4-8372767dc7a8
577	44fd5b28-e306-499c-ba9 f-4ed6ff9aa0d6
578	f5880831-49c8-4da7-97d 9-7d72f4c8fab2
579	1e23e845-2dd6-41bb-a9 26-5f5fb5c8cb80
580	de521460-0fd8-49b4-84b 6-58368f928a77
581	4d15150a-64f2-43aa-82f 0-564589fa3f47
582	44afa5db-da63-45e5-b8c 5-cdadac0a35c5f
583	9736f5cd-28fc-4080-a83 5-a790b1019c54
584	36782e68-6c4a-47cb-b0 eb-0ee0b821a01a
585	7b87f64f-3171-47dc-a48 c-cd50165ef675
586	3f72d3eb-29bc-4299-995 8-adaaf6f454ae
587	c92db182-66fb-4380-ab5 5-ab461ee0b1a4
588	9826ec9c-4333-4630-88 6d-f8ddc48f0287
589	5cb44aac-ce91-431b-90 8b-fad4c841da0f
590	a31aabe5-df5d-48bb-afe 7-656443aa1ed4
591	8a055562-ebdb-462e-a1 35-2d6451295620
592	ba25e079-a42f-4e5e-948 8-bb569e18c895
593	61fc8f08-5ec4-42e0-ba7 3-b988ae644c2e
594	40ac9b26-eedb-4ba7-a3 8d-81d4090e4c44
595	2dd2dc55-bea9-4f91-85c 3-ea3fa6e5c765

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
596	5e63cc95-59bd-46c5-b2 b8-b9c390005c7b
597	2126ac32-cbcf-466a-a38 2-42278f1debbb
598	ed3c2910-fdd1-4285-922 9-433d381a4455
599	29a0aa00-8bd6-4a31-8c 0c-85b84b7eccbd
600	d770ee50-ad2d-4790-85 63-4ccbc615af19
601	92639c09-97e8-49df-8c6 9-3f67da52546a
602	f94b8027-1749-4b40-ab7 3-f0305c2fdb7a
603	97f7e4ac-ab40-4c97-8ba b-d45a02416308
604	cd4d874a-dbb1-468d-82 6f-30563000e890
605	c263c492-6a05-45ac-8a a5-fa47a3c9e71b
606	09e57174-0443-4840-98 75-a2e2753f3de3
607	52e70a96-72b6-41bd-b0 52-18bea1044d89
608	817a26a7-bb32-483c-bb a9-4a555c9c2834
609	149f5a90-d6fb-4500-80d 2-78f3ac9fc57c
610	c3896674-511a-46d0-90 8c-f15cadd57593
611	6c49e34e-4888-4d9a-a0 d6-542803c9e142
612	ff00a55b-71ab-4284-aa3 1-8f7a2179df9c
613	877a7381-e4ce-4f26-b57 1-8285fa4287cc
614	39493731-0760-4f6e-a48 b-7dfe6cfeff97
615	954d5ebc-38f0-4c39-a0c d-ad83b26a3062
616	b6da97cb-280c-46ed-95 16-b56a4b039c86
617	b3eb55f6-6009-4356-98a 1-f0a74807799f
618	aa4293ea-ab5f-4453-b40 b-46de1f2b6bd7
619	d58c2d7f-fbd0-4f5a-aa1b -6bccdd6718412
620	a411f320-8739-48b8-945 c-b418fd49e27a
621	a3716831-78c6-44d9-a7 1b-c9607b3feae8
622	ceca8ab5-ade1-4be1-ad 54-db3212b07385
623	223f7c2c-c86f-4765-bde 9-2da505639baf
624	d5868b4c-15b9-4649-8a 17-f2fa5cccd2e4
625	974ee706-da0e-46fc-bc7 c-b89ffb8f1511

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
626	3d83e1f2-b5de-4910-85ff -fb71052d6a2a
627	53a7f76a-f3df-43c8-bd65 -d3f1026d743d
628	9682f33a-25af-4dd0-930 e-117e93db9339
629	270fe1f8-d6e4-48e8-a15 9-b09e31835601
630	5ef9686f-af8e-4058-8a43 -c9e49e356e70
631	b930aae7-5496-4d78-9a ab-a4c9f28e4c2d
632	33b1b23e-e143-457c-9e 3d-7a49e5104af3
633	408a913c-a66e-4718-a1 5a-d9ed3ef8877e
634	a3e311ca-0146-4505-82 7d-6ff231aac476
635	ada3f064-2328-4d28-ae3 5-f2fab6539195
636	67f99dc5-f284-4d6b-870 2-8c4c478a95c9
637	49e48aac-874a-4636-b2 d2-15270252983d
638	d5907347-8b78-498b-b3 03-edfbec6da8cc
639	f84df004-9c98-4c29-973 7-25c0b4c2d63a
640	9d4e53f9-f76c-4f1d-8a32 -88e859168381
641	5f69e9dd-4e92-413e-a7a 4-9aecf0ecaa6b
642	d2ed8bf7-7050-43ab-8a5 2-123849b99d6e
643	4c913357-7bdb-4007-ac 12-3e50e5c4c441
644	1468dcd7-d609-4f37-ba8 1-8e43dee708c3
645	6788a30d-af6e-417d-bdc 3-b6474f803321
646	b787cc05-7230-4c15-b7 47-2b4bb23a94ba
647	80b6fae3-81ff-4ca6-be55 -efeeab2db4a7
648	6af31f8e-0e4b-437c-bc0 3-dc982e7f1608
649	13194471-c399-44f9-9cb 6-acc0b600114d
650	0592d4c2-566b-4a6f-ac0 0-04a4779509ee
651	740f805b-c033-499c-a4b 3-b93e3fcfc6ff
652	4a743d7a-7bc9-4c19-b5 5c-150e464e1e28
653	808e6965-90d6-4ed4-b7 e0-8dcf11e710c9
654	9d283962-c340-4e6e-a4 d7-815865d6d2cf
655	3d0d7ec7-a044-4e24-82 d9-fcb828042d34

Table: Connectivity - Frame, Part 2 of 2

Frame	GUID
656	7f1e0e44-83ad-4fc7-89e3-3c896438d40b
657	003f2af1-4794-4292-a9b7-3ff2f845cacd
658	e162fcba-746e-4674-87e1-2ee5bc4058c4
659	b8c00657-4a78-4107-b621-35f66b501efc
660	1419eeaa-43df-4196-abd1-1c301896352a
661	80728e95-4e17-49a9-be3f-31bf92d4234

Table: Coordinate Systems

Table: Coordinate Systems

Name	Type	X	Y	Z	AboutZ	AboutY	AboutX
		m	m	m	Degrees	Degrees	Degrees
GLOBAL	Cartesian	0	0	0	0	0	0

Table: Database Format Types

Table: Database Format Types

UnitsCurr	OverrideE
Yes	No

Table: Frame Auto Mesh Assignments

Table: Frame Auto Mesh Assignments

Frame	AutoMesh	AtJoints	AtFrames	NumSegments	MaxLength	MaxDegrees
					m	Degrees
348	Yes	Yes	No	0	0	0
350	Yes	Yes	No	0	0	0
351	Yes	Yes	No	0	0	0
353	Yes	Yes	No	0	0	0
354	Yes	Yes	No	0	0	0
356	Yes	Yes	No	0	0	0
357	Yes	Yes	No	0	0	0
359	Yes	Yes	No	0	0	0
360	Yes	Yes	No	0	0	0
362	Yes	Yes	No	0	0	0
363	Yes	Yes	No	0	0	0
365	Yes	Yes	No	0	0	0
366	Yes	Yes	No	0	0	0
368	Yes	Yes	No	0	0	0
369	Yes	Yes	No	0	0	0
371	Yes	Yes	No	0	0	0
372	Yes	Yes	No	0	0	0
374	Yes	Yes	No	0	0	0
375	Yes	Yes	No	0	0	0

Table: Frame Auto Mesh Assignments

Frame	AutoMesh	AtJoints	AtFrames	NumSegme nts	MaxLength m	MaxDegrees Degrees
377	Yes	Yes	No	0	0	0
378	Yes	Yes	No	0	0	0
380	Yes	Yes	No	0	0	0
381	Yes	Yes	No	0	0	0
383	Yes	Yes	No	0	0	0
384	Yes	Yes	No	0	0	0
386	Yes	Yes	No	0	0	0
387	Yes	Yes	No	0	0	0
389	Yes	Yes	No	0	0	0
390	Yes	Yes	No	0	0	0
392	Yes	Yes	No	0	0	0
393	Yes	Yes	No	0	0	0
395	Yes	Yes	No	0	0	0
396	Yes	Yes	No	0	0	0
398	Yes	Yes	No	0	0	0
399	Yes	Yes	No	0	0	0
401	Yes	Yes	No	0	0	0
402	Yes	Yes	No	0	0	0
404	Yes	Yes	No	0	0	0
405	Yes	Yes	No	0	0	0
407	Yes	Yes	No	0	0	0
408	Yes	Yes	No	0	0	0
410	Yes	Yes	No	0	0	0
411	Yes	Yes	No	0	0	0
413	Yes	Yes	No	0	0	0
414	Yes	Yes	No	0	0	0
416	Yes	Yes	No	0	0	0
417	Yes	Yes	No	0	0	0
419	Yes	Yes	No	0	0	0
420	Yes	Yes	No	0	0	0
422	Yes	Yes	No	0	0	0
423	Yes	Yes	No	0	0	0
425	Yes	Yes	No	0	0	0
426	Yes	Yes	No	0	0	0
428	Yes	Yes	No	0	0	0
458	Yes	Yes	No	0	0	0
459	Yes	Yes	No	0	0	0
460	Yes	Yes	No	0	0	0
461	Yes	Yes	No	0	0	0
462	Yes	Yes	No	0	0	0
463	Yes	Yes	No	0	0	0
464	Yes	Yes	No	0	0	0
465	Yes	Yes	No	0	0	0
466	Yes	Yes	No	0	0	0
467	Yes	Yes	No	0	0	0
468	Yes	Yes	No	0	0	0
469	Yes	Yes	No	0	0	0
470	Yes	Yes	No	0	0	0
471	Yes	Yes	No	0	0	0
472	Yes	Yes	No	0	0	0
473	Yes	Yes	No	0	0	0
474	Yes	Yes	No	0	0	0
475	Yes	Yes	No	0	0	0

Table: Frame Auto Mesh Assignments

Frame	AutoMesh	AtJoints	AtFrames	NumSegme nts	MaxLength m	MaxDegrees Degrees
476	Yes	Yes	No	0	0	0
477	Yes	Yes	No	0	0	0
478	Yes	Yes	No	0	0	0
479	Yes	Yes	No	0	0	0
480	Yes	Yes	No	0	0	0
481	Yes	Yes	No	0	0	0
482	Yes	Yes	No	0	0	0
483	Yes	Yes	No	0	0	0
484	Yes	Yes	No	0	0	0
485	Yes	Yes	No	0	0	0
486	Yes	Yes	No	0	0	0
487	Yes	Yes	No	0	0	0
488	Yes	Yes	No	0	0	0
489	Yes	Yes	No	0	0	0
490	Yes	Yes	No	0	0	0
491	Yes	Yes	No	0	0	0
492	Yes	Yes	No	0	0	0
493	Yes	Yes	No	0	0	0
494	Yes	Yes	No	0	0	0
495	Yes	Yes	No	0	0	0
496	Yes	Yes	No	0	0	0
497	Yes	Yes	No	0	0	0
498	Yes	Yes	No	0	0	0
499	Yes	Yes	No	0	0	0
500	Yes	Yes	No	0	0	0
501	Yes	Yes	No	0	0	0
502	Yes	Yes	No	0	0	0
503	Yes	Yes	No	0	0	0
504	Yes	Yes	No	0	0	0
505	Yes	Yes	No	0	0	0
506	Yes	Yes	No	0	0	0
507	Yes	Yes	No	0	0	0
508	Yes	Yes	No	0	0	0
509	Yes	Yes	No	0	0	0
510	Yes	Yes	No	0	0	0
511	Yes	Yes	No	0	0	0
512	Yes	Yes	No	0	0	0
513	Yes	Yes	No	0	0	0
514	Yes	Yes	No	0	0	0
515	Yes	Yes	No	0	0	0
516	Yes	Yes	No	0	0	0
517	Yes	Yes	No	0	0	0
518	Yes	Yes	No	0	0	0
519	Yes	Yes	No	0	0	0
520	Yes	Yes	No	0	0	0
521	Yes	Yes	No	0	0	0
522	Yes	Yes	No	0	0	0
523	Yes	Yes	No	0	0	0
524	Yes	Yes	No	0	0	0
525	Yes	Yes	No	0	0	0
526	Yes	Yes	No	0	0	0
527	Yes	Yes	No	0	0	0
528	Yes	Yes	No	0	0	0

Table: Frame Auto Mesh Assignments

Frame	AutoMesh	AtJoints	AtFrames	NumSegme nts	MaxLength m	MaxDegrees Degrees
529	Yes	Yes	No	0	0	0
530	Yes	Yes	No	0	0	0
531	Yes	Yes	No	0	0	0
532	Yes	Yes	No	0	0	0
533	Yes	Yes	No	0	0	0
534	Yes	Yes	No	0	0	0
535	Yes	Yes	No	0	0	0
536	Yes	Yes	No	0	0	0
537	Yes	Yes	No	0	0	0
538	Yes	Yes	No	0	0	0
539	Yes	Yes	No	0	0	0
540	Yes	Yes	No	0	0	0
541	Yes	Yes	No	0	0	0
542	Yes	Yes	No	0	0	0
543	Yes	Yes	No	0	0	0
544	Yes	Yes	No	0	0	0
545	Yes	Yes	No	0	0	0
546	Yes	Yes	No	0	0	0
547	Yes	Yes	No	0	0	0
548	Yes	Yes	No	0	0	0
549	Yes	Yes	No	0	0	0
550	Yes	Yes	No	0	0	0
551	Yes	Yes	No	0	0	0
552	Yes	Yes	No	0	0	0
553	Yes	Yes	No	0	0	0
554	Yes	Yes	No	0	0	0
555	Yes	Yes	No	0	0	0
556	Yes	Yes	No	0	0	0
557	Yes	Yes	No	0	0	0
558	Yes	Yes	No	0	0	0
559	Yes	Yes	No	0	0	0
560	Yes	Yes	No	0	0	0
561	Yes	Yes	No	0	0	0
562	Yes	Yes	No	0	0	0
563	Yes	Yes	No	0	0	0
564	Yes	Yes	No	0	0	0
565	Yes	Yes	No	0	0	0
566	Yes	Yes	No	0	0	0
567	Yes	Yes	No	0	0	0
568	Yes	Yes	No	0	0	0
569	Yes	Yes	No	0	0	0
570	Yes	Yes	No	0	0	0
571	Yes	Yes	No	0	0	0
572	Yes	Yes	No	0	0	0
573	Yes	Yes	No	0	0	0
574	Yes	Yes	No	0	0	0
575	Yes	Yes	No	0	0	0
576	Yes	Yes	No	0	0	0
577	Yes	Yes	No	0	0	0
578	Yes	Yes	No	0	0	0
579	Yes	Yes	No	0	0	0
580	Yes	Yes	No	0	0	0
581	Yes	Yes	No	0	0	0

Table: Frame Auto Mesh Assignments

Frame	AutoMesh	AtJoints	AtFrames	NumSegme nts	MaxLength m	MaxDegrees Degrees
582	Yes	Yes	No	0	0	0
583	Yes	Yes	No	0	0	0
584	Yes	Yes	No	0	0	0
585	Yes	Yes	No	0	0	0
586	Yes	Yes	No	0	0	0
587	Yes	Yes	No	0	0	0
588	Yes	Yes	No	0	0	0
589	Yes	Yes	No	0	0	0
590	Yes	Yes	No	0	0	0
591	Yes	Yes	No	0	0	0
592	Yes	Yes	No	0	0	0
593	Yes	Yes	No	0	0	0
594	Yes	Yes	No	0	0	0
595	Yes	Yes	No	0	0	0
596	Yes	Yes	No	0	0	0
597	Yes	Yes	No	0	0	0
598	Yes	Yes	No	0	0	0
599	Yes	Yes	No	0	0	0
600	Yes	Yes	No	0	0	0
601	Yes	Yes	No	0	0	0
602	Yes	Yes	No	0	0	0
603	Yes	Yes	No	0	0	0
604	Yes	Yes	No	0	0	0
605	Yes	Yes	No	0	0	0
606	Yes	Yes	No	0	0	0
607	Yes	Yes	No	0	0	0
608	Yes	Yes	No	0	0	0
609	Yes	Yes	No	0	0	0
610	Yes	Yes	No	0	0	0
611	Yes	Yes	No	0	0	0
612	Yes	Yes	No	0	0	0
613	Yes	Yes	No	0	0	0
614	Yes	Yes	No	0	0	0
615	Yes	Yes	No	0	0	0
616	Yes	Yes	No	0	0	0
617	Yes	Yes	No	0	0	0
618	Yes	Yes	No	0	0	0
619	Yes	Yes	No	0	0	0
620	Yes	Yes	No	0	0	0
621	Yes	Yes	No	0	0	0
622	Yes	Yes	No	0	0	0
623	Yes	Yes	No	0	0	0
624	Yes	Yes	No	0	0	0
625	Yes	Yes	No	0	0	0
626	Yes	Yes	No	0	0	0
627	Yes	Yes	No	0	0	0
628	Yes	Yes	No	0	0	0
629	Yes	Yes	No	0	0	0
630	Yes	Yes	No	0	0	0
631	Yes	Yes	No	0	0	0
632	Yes	Yes	No	0	0	0
633	Yes	Yes	No	0	0	0
634	Yes	Yes	No	0	0	0

Table: Frame Auto Mesh Assignments

Frame	AutoMesh	AtJoints	AtFrames	NumSegme nts	MaxLength m	MaxDegrees Degrees
635	Yes	Yes	No	0	0	0
636	Yes	Yes	No	0	0	0
637	Yes	Yes	No	0	0	0
638	Yes	Yes	No	0	0	0
639	Yes	Yes	No	0	0	0
640	Yes	Yes	No	0	0	0
641	Yes	Yes	No	0	0	0
642	Yes	Yes	No	0	0	0
643	Yes	Yes	No	0	0	0
644	Yes	Yes	No	0	0	0
645	Yes	Yes	No	0	0	0
646	Yes	Yes	No	0	0	0
647	Yes	Yes	No	0	0	0
648	Yes	Yes	No	0	0	0
649	Yes	Yes	No	0	0	0
650	Yes	Yes	No	0	0	0
651	Yes	Yes	No	0	0	0
652	Yes	Yes	No	0	0	0
653	Yes	Yes	No	0	0	0
654	Yes	Yes	No	0	0	0
655	Yes	Yes	No	0	0	0
656	Yes	Yes	No	0	0	0
657	Yes	Yes	No	0	0	0
658	Yes	Yes	No	0	0	0
659	Yes	Yes	No	0	0	0
660	Yes	Yes	No	0	0	0
661	Yes	Yes	No	0	0	0

Table: Frame Design Procedures

Table: Frame Design Procedures

Frame	DesignProc
348	From Material
350	From Material
351	From Material
353	From Material
354	From Material
356	From Material
357	From Material
359	From Material
360	From Material
362	From Material
363	From Material

Table: Frame Design Procedures

Frame	DesignProc
365	From Material
366	From Material
368	From Material
369	From Material
371	From Material
372	From Material
374	From Material
375	From Material
377	From Material
378	From Material
380	From Material
381	From Material
383	From Material
384	From Material
386	From Material
387	From Material
389	From Material
390	From Material
392	From Material
393	From Material
395	From Material
396	From Material
398	From Material
399	From Material
401	From Material
402	From Material
404	From Material
405	From Material
407	From Material
408	From Material

Table: Frame Design Procedures

Frame	DesignProc
410	From Material
411	From Material
413	From Material
414	From Material
416	From Material
417	From Material
419	From Material
420	From Material
422	From Material
423	From Material
425	From Material
426	From Material
428	From Material
458	From Material
459	From Material
460	From Material
461	From Material
462	From Material
463	From Material
464	From Material
465	From Material
466	From Material
467	From Material
468	From Material
469	From Material
470	From Material
471	From Material
472	From Material
473	From Material
474	From Material

Table: Frame Design Procedures

Frame	DesignProc
475	From Material
476	From Material
477	From Material
478	From Material
479	From Material
480	From Material
481	From Material
482	From Material
483	From Material
484	From Material
485	From Material
486	From Material
487	From Material
488	From Material
489	From Material
490	From Material
491	From Material
492	From Material
493	From Material
494	From Material
495	From Material
496	From Material
497	From Material
498	From Material
499	From Material
500	From Material
501	From Material
502	From Material
503	From Material
504	From Material

Table: Frame Design Procedures

Frame	DesignProc
505	From Material
506	From Material
507	From Material
508	From Material
509	From Material
510	From Material
511	From Material
512	From Material
513	From Material
514	From Material
515	From Material
516	From Material
517	From Material
518	From Material
519	From Material
520	From Material
521	From Material
522	From Material
523	From Material
524	From Material
525	From Material
526	From Material
527	From Material
528	From Material
529	From Material
530	From Material
531	From Material
532	From Material
533	From Material
534	From Material

Table: Frame Design Procedures

Frame	DesignProc
535	From Material
536	From Material
537	From Material
538	From Material
539	From Material
540	From Material
541	From Material
542	From Material
543	From Material
544	From Material
545	From Material
546	From Material
547	From Material
548	From Material
549	From Material
550	From Material
551	From Material
552	From Material
553	From Material
554	From Material
555	From Material
556	From Material
557	From Material
558	From Material
559	From Material
560	From Material
561	From Material
562	From Material
563	From Material
564	From Material

Table: Frame Design Procedures

Frame	DesignProc
565	From Material
566	From Material
567	From Material
568	From Material
569	From Material
570	From Material
571	From Material
572	From Material
573	From Material
574	From Material
575	From Material
576	From Material
577	From Material
578	From Material
579	From Material
580	From Material
581	From Material
582	From Material
583	From Material
584	From Material
585	From Material
586	From Material
587	From Material
588	From Material
589	From Material
590	From Material
591	From Material
592	From Material
593	From Material
594	From Material

Table: Frame Design Procedures

Frame	DesignProc
595	From Material
596	From Material
597	From Material
598	From Material
599	From Material
600	From Material
601	From Material
602	From Material
603	From Material
604	From Material
605	From Material
606	From Material
607	From Material
608	From Material
609	From Material
610	From Material
611	From Material
612	From Material
613	From Material
614	From Material
615	From Material
616	From Material
617	From Material
618	From Material
619	From Material
620	From Material
621	From Material
622	From Material
623	From Material
624	From Material

Table: Frame Design Procedures

Frame	DesignProc
625	From Material
626	From Material
627	From Material
628	From Material
629	From Material
630	From Material
631	From Material
632	From Material
633	From Material
634	From Material
635	From Material
636	From Material
637	From Material
638	From Material
639	From Material
640	From Material
641	From Material
642	From Material
643	From Material
644	From Material
645	From Material
646	From Material
647	From Material
648	From Material
649	From Material
650	From Material
651	From Material
652	From Material
653	From Material
654	From Material

Table: Frame Design Procedures

Frame	DesignProc
655	From Material
656	From Material
657	From Material
658	From Material
659	From Material
660	From Material
661	From Material

Table: Frame Load Transfer Options

**Table: Frame Load Transfer
Options**

Frame	Transfer
348	Yes
350	Yes
351	Yes
353	Yes
354	Yes
356	Yes
357	Yes
359	Yes
360	Yes
362	Yes
363	Yes
365	Yes
366	Yes
368	Yes
369	Yes
371	Yes
372	Yes
374	Yes
375	Yes
377	Yes
378	Yes
380	Yes
381	Yes
383	Yes
384	Yes
386	Yes
387	Yes
389	Yes
390	Yes
392	Yes
393	Yes
395	Yes
396	Yes
398	Yes

**Table: Frame Load Transfer
Options**

Frame	Transfer
399	Yes
401	Yes
402	Yes
404	Yes
405	Yes
407	Yes
408	Yes
410	Yes
411	Yes
413	Yes
414	Yes
416	Yes
417	Yes
419	Yes
420	Yes
422	Yes
423	Yes
425	Yes
426	Yes
428	Yes
458	Yes
459	Yes
460	Yes
461	Yes
462	Yes
463	Yes
464	Yes
465	Yes
466	Yes
467	Yes
468	Yes
469	Yes
470	Yes
471	Yes
472	Yes
473	Yes
474	Yes
475	Yes
476	Yes
477	Yes
478	Yes
479	Yes
480	Yes
481	Yes
482	Yes
483	Yes
484	Yes
485	Yes
486	Yes
487	Yes
488	Yes
489	Yes
490	Yes

**Table: Frame Load Transfer
Options**

Frame	Transfer
491	Yes
492	Yes
493	Yes
494	Yes
495	Yes
496	Yes
497	Yes
498	Yes
499	Yes
500	Yes
501	Yes
502	Yes
503	Yes
504	Yes
505	Yes
506	Yes
507	Yes
508	Yes
509	Yes
510	Yes
511	Yes
512	Yes
513	Yes
514	Yes
515	Yes
516	Yes
517	Yes
518	Yes
519	Yes
520	Yes
521	Yes
522	Yes
523	Yes
524	Yes
525	Yes
526	Yes
527	Yes
528	Yes
529	Yes
530	Yes
531	Yes
532	Yes
533	Yes
534	Yes
535	Yes
536	Yes
537	Yes
538	Yes
539	Yes
540	Yes
541	Yes
542	Yes
543	Yes

**Table: Frame Load Transfer
Options**

Frame	Transfer
544	Yes
545	Yes
546	Yes
547	Yes
548	Yes
549	Yes
550	Yes
551	Yes
552	Yes
553	Yes
554	Yes
555	Yes
556	Yes
557	Yes
558	Yes
559	Yes
560	Yes
561	Yes
562	Yes
563	Yes
564	Yes
565	Yes
566	Yes
567	Yes
568	Yes
569	Yes
570	Yes
571	Yes
572	Yes
573	Yes
574	Yes
575	Yes
576	Yes
577	Yes
578	Yes
579	Yes
580	Yes
581	Yes
582	Yes
583	Yes
584	Yes
585	Yes
586	Yes
587	Yes
588	Yes
589	Yes
590	Yes
591	Yes
592	Yes
593	Yes
594	Yes
595	Yes
596	Yes

**Table: Frame Load Transfer
Options**

Frame	Transfer
597	Yes
598	Yes
599	Yes
600	Yes
601	Yes
602	Yes
603	Yes
604	Yes
605	Yes
606	Yes
607	Yes
608	Yes
609	Yes
610	Yes
611	Yes
612	Yes
613	Yes
614	Yes
615	Yes
616	Yes
617	Yes
618	Yes
619	Yes
620	Yes
621	Yes
622	Yes
623	Yes
624	Yes
625	Yes
626	Yes
627	Yes
628	Yes
629	Yes
630	Yes
631	Yes
632	Yes
633	Yes
634	Yes
635	Yes
636	Yes
637	Yes
638	Yes
639	Yes
640	Yes
641	Yes
642	Yes
643	Yes
644	Yes
645	Yes
646	Yes
647	Yes
648	Yes
649	Yes

Table: Frame Load Transfer Options

Frame	Transfer
650	Yes
651	Yes
652	Yes
653	Yes
654	Yes
655	Yes
656	Yes
657	Yes
658	Yes
659	Yes
660	Yes
661	Yes

Table: Frame Loads - Distributed, Part 1 of 3

Table: Frame Loads - Distributed, Part 1 of 3						
Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
584	DEAD	GLOBAL	Force	Gravity	RelDist	0
585	DEAD	GLOBAL	Force	Gravity	RelDist	0
586	DEAD	GLOBAL	Force	Gravity	RelDist	0
587	DEAD	GLOBAL	Force	Gravity	RelDist	0
588	DEAD	GLOBAL	Force	Gravity	RelDist	0
589	DEAD	GLOBAL	Force	Gravity	RelDist	0
590	DEAD	GLOBAL	Force	Gravity	RelDist	0
591	DEAD	GLOBAL	Force	Gravity	RelDist	0
592	DEAD	GLOBAL	Force	Gravity	RelDist	0
593	DEAD	GLOBAL	Force	Gravity	RelDist	0
594	DEAD	GLOBAL	Force	Gravity	RelDist	0
595	DEAD	GLOBAL	Force	Gravity	RelDist	0
596	DEAD	GLOBAL	Force	Gravity	RelDist	0
597	DEAD	GLOBAL	Force	Gravity	RelDist	0
598	DEAD	GLOBAL	Force	Gravity	RelDist	0
599	DEAD	GLOBAL	Force	Gravity	RelDist	0
600	DEAD	GLOBAL	Force	Gravity	RelDist	0
601	DEAD	GLOBAL	Force	Gravity	RelDist	0
602	DEAD	GLOBAL	Force	Gravity	RelDist	0
603	DEAD	GLOBAL	Force	Gravity	RelDist	0
604	DEAD	GLOBAL	Force	Gravity	RelDist	0
605	DEAD	GLOBAL	Force	Gravity	RelDist	0
606	DEAD	GLOBAL	Force	Gravity	RelDist	0
607	DEAD	GLOBAL	Force	Gravity	RelDist	0
608	DEAD	GLOBAL	Force	Gravity	RelDist	0
609	DEAD	GLOBAL	Force	Gravity	RelDist	0
610	DEAD	GLOBAL	Force	Gravity	RelDist	0
611	DEAD	GLOBAL	Force	Gravity	RelDist	0
612	DEAD	GLOBAL	Force	Gravity	RelDist	0
613	DEAD	GLOBAL	Force	Gravity	RelDist	0
614	DEAD	GLOBAL	Force	Gravity	RelDist	0
615	DEAD	GLOBAL	Force	Gravity	RelDist	0
616	DEAD	GLOBAL	Force	Gravity	RelDist	0
617	DEAD	GLOBAL	Force	Gravity	RelDist	0
618	DEAD	GLOBAL	Force	Gravity	RelDist	0

Table: Frame Loads - Distributed, Part 1 of 3

Frame	LoadPat	CoordSys	Type	Dir	DistType	RelDistA
619	DEAD	GLOBAL	Force	Gravity	RelDist	0
620	DEAD	GLOBAL	Force	Gravity	RelDist	0
621	DEAD	GLOBAL	Force	Gravity	RelDist	0
622	DEAD	GLOBAL	Force	Gravity	RelDist	0
623	DEAD	GLOBAL	Force	Gravity	RelDist	0
624	DEAD	GLOBAL	Force	Gravity	RelDist	0
625	DEAD	GLOBAL	Force	Gravity	RelDist	0
626	DEAD	GLOBAL	Force	Gravity	RelDist	0
627	DEAD	GLOBAL	Force	Gravity	RelDist	0
628	DEAD	GLOBAL	Force	Gravity	RelDist	0
629	DEAD	GLOBAL	Force	Gravity	RelDist	0
630	DEAD	GLOBAL	Force	Gravity	RelDist	0
631	DEAD	GLOBAL	Force	Gravity	RelDist	0
632	DEAD	GLOBAL	Force	Gravity	RelDist	0
633	DEAD	GLOBAL	Force	Gravity	RelDist	0
634	DEAD	GLOBAL	Force	Gravity	RelDist	0
635	DEAD	GLOBAL	Force	Gravity	RelDist	0
636	DEAD	GLOBAL	Force	Gravity	RelDist	0
637	DEAD	GLOBAL	Force	Gravity	RelDist	0
638	DEAD	GLOBAL	Force	Gravity	RelDist	0
639	DEAD	GLOBAL	Force	Gravity	RelDist	0
640	DEAD	GLOBAL	Force	Gravity	RelDist	0
641	DEAD	GLOBAL	Force	Gravity	RelDist	0
642	DEAD	GLOBAL	Force	Gravity	RelDist	0
643	DEAD	GLOBAL	Force	Gravity	RelDist	0
644	DEAD	GLOBAL	Force	Gravity	RelDist	0
645	DEAD	GLOBAL	Force	Gravity	RelDist	0
646	DEAD	GLOBAL	Force	Gravity	RelDist	0
647	DEAD	GLOBAL	Force	Gravity	RelDist	0
648	DEAD	GLOBAL	Force	Gravity	RelDist	0
649	DEAD	GLOBAL	Force	Gravity	RelDist	0
650	DEAD	GLOBAL	Force	Gravity	RelDist	0
651	DEAD	GLOBAL	Force	Gravity	RelDist	0
652	DEAD	GLOBAL	Force	Gravity	RelDist	0
653	DEAD	GLOBAL	Force	Gravity	RelDist	0
654	DEAD	GLOBAL	Force	Gravity	RelDist	0
655	DEAD	GLOBAL	Force	Gravity	RelDist	0
656	DEAD	GLOBAL	Force	Gravity	RelDist	0
657	DEAD	GLOBAL	Force	Gravity	RelDist	0
658	DEAD	GLOBAL	Force	Gravity	RelDist	0
659	DEAD	GLOBAL	Force	Gravity	RelDist	0
660	DEAD	GLOBAL	Force	Gravity	RelDist	0
661	DEAD	GLOBAL	Force	Gravity	RelDist	0

Table: Frame Loads - Distributed, Part 2 of 3

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA	AbsDistB	FOverLA	FOverLB
			m	m	Tonf/m	Tonf/m
584	DEAD	1	0	1.5	0.04	0.04
585	DEAD	1	0	1.5	0.04	0.04
586	DEAD	1	0	1.5	0.04	0.04
587	DEAD	1	0	1.5	0.04	0.04

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA Tonf/m	FOverLB Tonf/m
588	DEAD	1	0	1.5	0.04	0.04
589	DEAD	1	0	1.5	0.04	0.04
590	DEAD	1	0	1.5	0.04	0.04
591	DEAD	1	0	1.5	0.04	0.04
592	DEAD	1	0	1.5	0.04	0.04
593	DEAD	1	0	1.5	0.04	0.04
594	DEAD	1	0	1.5	0.04	0.04
595	DEAD	1	0	1.5	0.04	0.04
596	DEAD	1	0	1.5	0.04	0.04
597	DEAD	1	0	1.5	0.04	0.04
598	DEAD	1	0	1.5	0.04	0.04
599	DEAD	1	0	1.5	0.04	0.04
600	DEAD	1	0	1.5	0.04	0.04
601	DEAD	1	0	1.5	0.04	0.04
602	DEAD	1	0	1.5	0.04	0.04
603	DEAD	1	0	1.5	0.04	0.04
604	DEAD	1	0	1.5	0.04	0.04
605	DEAD	1	0	1.5	0.04	0.04
606	DEAD	1	0	1.5	0.04	0.04
607	DEAD	1	0	1.5	0.04	0.04
608	DEAD	1	0	1.5	0.04	0.04
609	DEAD	1	0	1.5	0.04	0.04
610	DEAD	1	0	1.5	0.08	0.08
611	DEAD	1	0	1.5	0.08	0.08
612	DEAD	1	0	1.5	0.08	0.08
613	DEAD	1	0	1.5	0.08	0.08
614	DEAD	1	0	1.5	0.08	0.08
615	DEAD	1	0	1.5	0.08	0.08
616	DEAD	1	0	1.5	0.08	0.08
617	DEAD	1	0	1.5	0.08	0.08
618	DEAD	1	0	1.5	0.08	0.08
619	DEAD	1	0	1.5	0.08	0.08
620	DEAD	1	0	1.5	0.08	0.08
621	DEAD	1	0	1.5	0.08	0.08
622	DEAD	1	0	1.5	0.08	0.08
623	DEAD	1	0	1.5	0.08	0.08
624	DEAD	1	0	1.5	0.08	0.08
625	DEAD	1	0	1.5	0.08	0.08
626	DEAD	1	0	1.5	0.08	0.08
627	DEAD	1	0	1.5	0.08	0.08
628	DEAD	1	0	1.5	0.08	0.08
629	DEAD	1	0	1.5	0.08	0.08
630	DEAD	1	0	1.5	0.08	0.08
631	DEAD	1	0	1.5	0.08	0.08
632	DEAD	1	0	1.5	0.08	0.08
633	DEAD	1	0	1.5	0.08	0.08
634	DEAD	1	0	1.5	0.08	0.08
635	DEAD	1	0	1.5	0.08	0.08
636	DEAD	1	0	1.5	0.04	0.04
637	DEAD	1	0	1.5	0.04	0.04
638	DEAD	1	0	1.5	0.04	0.04
639	DEAD	1	0	1.5	0.04	0.04
640	DEAD	1	0	1.5	0.04	0.04
641	DEAD	1	0	1.5	0.04	0.04

Table: Frame Loads - Distributed, Part 2 of 3

Frame	LoadPat	RelDistB	AbsDistA m	AbsDistB m	FOverLA Tonf/m	FOverLB Tonf/m
642	DEAD	1	0	1.5	0.04	0.04
643	DEAD	1	0	1.5	0.04	0.04
644	DEAD	1	0	1.5	0.04	0.04
645	DEAD	1	0	1.5	0.04	0.04
646	DEAD	1	0	1.5	0.04	0.04
647	DEAD	1	0	1.5	0.04	0.04
648	DEAD	1	0	1.5	0.04	0.04
649	DEAD	1	0	1.5	0.04	0.04
650	DEAD	1	0	1.5	0.04	0.04
651	DEAD	1	0	1.5	0.04	0.04
652	DEAD	1	0	1.5	0.04	0.04
653	DEAD	1	0	1.5	0.04	0.04
654	DEAD	1	0	1.5	0.04	0.04
655	DEAD	1	0	1.5	0.04	0.04
656	DEAD	1	0	1.5	0.04	0.04
657	DEAD	1	0	1.5	0.04	0.04
658	DEAD	1	0	1.5	0.04	0.04
659	DEAD	1	0	1.5	0.04	0.04
660	DEAD	1	0	1.5	0.04	0.04
661	DEAD	1	0	1.5	0.04	0.04

Table: Frame Loads - Distributed, Part 3 of 3

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
584	DEAD	cf793082-c8f5-4b31-b87 d-89928f6d648c
585	DEAD	39984af1-57ab-45b9-870 9-7a8d1e45841e
586	DEAD	36ffbf41-631c-44c1-be93 -d97ac62e5aea
587	DEAD	ff4be8c7-c266-40df-b3e5 -a4ffd00f4abe
588	DEAD	28192c95-9111-4912-ae 6b-3e010bef7a9b
589	DEAD	7c8cf03-ec54-41b4-974 d-1131c3c26669
590	DEAD	804e1396-c88f-439d-9c1 1-a8218c0d15dd
591	DEAD	cdd92c8e-870c-4794-bdf 3-5d434d46e27b
592	DEAD	fbddd38d-4ddb-492e-80a 5-fb3640c4ce4a
593	DEAD	0d460746-16b3-408e-8b a5-cd076777818b
594	DEAD	de6d7023-bad8-4cf1-8bc 0-1b38f1314147
595	DEAD	4b0d6cd6-2d94-4e95-83 dd-fd630423da8d
596	DEAD	e8ecc329-c2cb-4c6c-be3 c-61b13c8a7d0b
597	DEAD	0a30e296-56b4-4ff5-a08 9-a11d3ab133e1
598	DEAD	8aaf92c1-4e1e-4d4e-bfa c-870d2653d552

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
599	DEAD	9c29ebeb-f054-44b1-9407-b71a4871351d
600	DEAD	a3e392b0-9be2-4757-b09c-61363134eb3b
601	DEAD	fa63f18f-75d3-4ac8-9d2d-d24734f0a14f
602	DEAD	643e293d-335c-4cc6-9c4f-0383ff0b9100
603	DEAD	aa156e93-a0c4-48c8-a253-2a293180d3c3
604	DEAD	8b332554-b2e5-4d4d-8125-19a8df5669df
605	DEAD	2530bb1d-e1fb-420f-a346-d9958e720f19
606	DEAD	9b960e92-367e-4bea-9512-000173b23dbc
607	DEAD	455c9860-22aa-4ef8-8ef6-0a43b69d2eed
608	DEAD	14169583-06cb-439e-a4d6-44816823f674
609	DEAD	32f1c6de-5a39-4bce-98d1-c90ed848e2d3
610	DEAD	a9e2d09e-6653-4c65-b8f5-ff5da996bcb4
611	DEAD	de72991b-4b84-41e9-9dbe-f9ba4795adf6
612	DEAD	ebd78d2e-93ee-4446-9964-93c8d93ffbea
613	DEAD	fe184402-aa46-4ab8-a164-eb0f684213a8
614	DEAD	f4859c02-00ef-467e-8163-532b2e3728ba
615	DEAD	a696ff93-df6b-460e-9cb2-97747e11392e
616	DEAD	9b35766c-f4c3-4791-a2f1-2946d342515b
617	DEAD	1126b12a-04c0-4ea0-980c-56806671d7d0
618	DEAD	5f743bcc-d422-416f-86c2-c8359caa7e73
619	DEAD	c964fde0-6d3a-4831-b333-62e3f1693833
620	DEAD	09b2d9d4-d9f3-4e7a-a710-a628271c550a
621	DEAD	38a07da5-48d7-4ecc-af4f-ee041e7d9479
622	DEAD	a7372602-38b4-49f7-8049-c3fb25937d38
623	DEAD	2efb9033-5118-4a7c-9456-67f1f31959c5
624	DEAD	1e482af4-9f90-4003-85cc-54041cfce29d
625	DEAD	7b99c0ce-4d3d-45f4-829d-f8e5b99a3132
626	DEAD	723b9ac5-4399-4cac-a6d8-87f703ead83f
627	DEAD	84f0ce0c-833e-42c6-9282-1024b829d3ab
628	DEAD	3f59d076-72d3-45e9-9940-e13ce9c3ac89

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
629	DEAD	b5a5a030-e8b3-4c3f-bac c-dae8780bc699
630	DEAD	6e6a6165-ee82-4584-af7 1-e4c4e0b22da6
631	DEAD	fa6072ad-d146-4588-b1b a-587d522db6d9
632	DEAD	c81a2b42-7e81-4551-8a e3-b5b65d44dda9
633	DEAD	e3145482-394a-457f-83c d-21b466562e29
634	DEAD	73876293-7aaf-4be8-ba0 d-631f38323f48
635	DEAD	9ca40c18-2053-4293-9a 35-a174fdb1c1d0
636	DEAD	b0bc47b4-d5e2-4edb-9b dd-3b546fe5af89
637	DEAD	2f433a3c-f7a7-4b2f-b626 -d5551c21db19
638	DEAD	3f058211-d336-4f39-8ce c-6b5a137400a5
639	DEAD	115f4373-3699-4f32-974 3-a1b7950a3370
640	DEAD	dd17ba11-0311-4e53-8d b6-09e51808490a
641	DEAD	d2caf5ac-c87a-4657-bda d-02d3cc30f195
642	DEAD	12b94888-6daa-47bb-9b a5-b8e30895387e
643	DEAD	7c942e11-5c2f-4f79-8e4 9-4834cfaf13af
644	DEAD	4970f8a5-3948-4061-902 b-c379eacc75cf
645	DEAD	2b479105-98e1-47c3-82 24-422e1af55ef3
646	DEAD	9807b09d-89ef-43da-aad e-49fd614079d
647	DEAD	1751ab69-043f-41d7-b5f 8-d908437088f1
648	DEAD	0bdc1f43-5d9f-4108-884 2-0d6469973608
649	DEAD	eea06218-facf-4dc5-987 d-4980777fa9f0
650	DEAD	bae41f8b-de4b-4797-891 c-9b5a4787e304
651	DEAD	a901baf1-5b22-4d2e-a6b b-f3fa72bff6cd
652	DEAD	1c335e5d-dcc3-45eb-a3 45-adcd09b5952b
653	DEAD	6de3720f-52f1-4e6b-933 2-a1db258f7c92
654	DEAD	8f30569d-ba96-4379-a68 8-697c234ffd6f
655	DEAD	29c00ab0-7aca-410b-a6 3b-cdf4d3bc0d11
656	DEAD	95ea0a9a-7ccc-44b3-a1 93-b848a241bb7b
657	DEAD	158e29c4-a935-47ab-a1 76-1a33baa547fe
658	DEAD	db1cac03-7c3c-4ca1-bf5 0-0b5ba9a2b8c0

Table: Frame Loads - Distributed, Part 3 of 3

Frame	LoadPat	GUID
659	DEAD	933784b0-1331-42d7-8428-a5e0fd266a54
660	DEAD	e5f9c74a-fd0f-4779-895f-294f5c9097fd
661	DEAD	b2d28fe7-94aa-4882-83b7-9c548c3ad494

Table: Frame Output Station Assignments

Table: Frame Output Station Assignments

Frame	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
			m		
348	MaxStaSpcg		0.5	Yes	Yes
350	MaxStaSpcg		0.5	Yes	Yes
351	MaxStaSpcg		0.5	Yes	Yes
353	MaxStaSpcg		0.5	Yes	Yes
354	MaxStaSpcg		0.5	Yes	Yes
356	MaxStaSpcg		0.5	Yes	Yes
357	MaxStaSpcg		0.5	Yes	Yes
359	MaxStaSpcg		0.5	Yes	Yes
360	MaxStaSpcg		0.5	Yes	Yes
362	MaxStaSpcg		0.5	Yes	Yes
363	MaxStaSpcg		0.5	Yes	Yes
365	MaxStaSpcg		0.5	Yes	Yes
366	MaxStaSpcg		0.5	Yes	Yes
368	MaxStaSpcg		0.5	Yes	Yes
369	MaxStaSpcg		0.5	Yes	Yes
371	MaxStaSpcg		0.5	Yes	Yes
372	MaxStaSpcg		0.5	Yes	Yes
374	MaxStaSpcg		0.5	Yes	Yes
375	MaxStaSpcg		0.5	Yes	Yes
377	MaxStaSpcg		0.5	Yes	Yes
378	MaxStaSpcg		0.5	Yes	Yes
380	MaxStaSpcg		0.5	Yes	Yes
381	MaxStaSpcg		0.5	Yes	Yes
383	MaxStaSpcg		0.5	Yes	Yes
384	MaxStaSpcg		0.5	Yes	Yes
386	MaxStaSpcg		0.5	Yes	Yes
387	MaxStaSpcg		0.5	Yes	Yes
389	MaxStaSpcg		0.5	Yes	Yes
390	MaxStaSpcg		0.5	Yes	Yes
392	MaxStaSpcg		0.5	Yes	Yes
393	MaxStaSpcg		0.5	Yes	Yes
395	MaxStaSpcg		0.5	Yes	Yes
396	MaxStaSpcg		0.5	Yes	Yes
398	MaxStaSpcg		0.5	Yes	Yes
399	MaxStaSpcg		0.5	Yes	Yes
401	MaxStaSpcg		0.5	Yes	Yes
402	MaxStaSpcg		0.5	Yes	Yes
404	MaxStaSpcg		0.5	Yes	Yes
405	MaxStaSpcg		0.5	Yes	Yes
407	MaxStaSpcg		0.5	Yes	Yes
408	MaxStaSpcg		0.5	Yes	Yes

Table: Frame Output Station Assignments

Frame	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
			m		
410	MaxStaSpcg		0.5	Yes	Yes
411	MaxStaSpcg		0.5	Yes	Yes
413	MaxStaSpcg		0.5	Yes	Yes
414	MaxStaSpcg		0.5	Yes	Yes
416	MaxStaSpcg		0.5	Yes	Yes
417	MaxStaSpcg		0.5	Yes	Yes
419	MaxStaSpcg		0.5	Yes	Yes
420	MaxStaSpcg		0.5	Yes	Yes
422	MaxStaSpcg		0.5	Yes	Yes
423	MaxStaSpcg		0.5	Yes	Yes
425	MaxStaSpcg		0.5	Yes	Yes
426	MaxStaSpcg		0.5	Yes	Yes
428	MaxStaSpcg		0.5	Yes	Yes
458	MaxStaSpcg		0.5	Yes	Yes
459	MaxStaSpcg		0.5	Yes	Yes
460	MaxStaSpcg		0.5	Yes	Yes
461	MaxStaSpcg		0.5	Yes	Yes
462	MaxStaSpcg		0.5	Yes	Yes
463	MaxStaSpcg		0.5	Yes	Yes
464	MinNumSta	3		Yes	Yes
465	MinNumSta	3		Yes	Yes
466	MinNumSta	3		Yes	Yes
467	MinNumSta	3		Yes	Yes
468	MinNumSta	3		Yes	Yes
469	MinNumSta	3		Yes	Yes
470	MinNumSta	3		Yes	Yes
471	MinNumSta	3		Yes	Yes
472	MinNumSta	3		Yes	Yes
473	MinNumSta	3		Yes	Yes
474	MinNumSta	3		Yes	Yes
475	MinNumSta	3		Yes	Yes
476	MaxStaSpcg		0.5	Yes	Yes
477	MaxStaSpcg		0.5	Yes	Yes
478	MaxStaSpcg		0.5	Yes	Yes
479	MaxStaSpcg		0.5	Yes	Yes
480	MaxStaSpcg		0.5	Yes	Yes
481	MaxStaSpcg		0.5	Yes	Yes
482	MaxStaSpcg		0.5	Yes	Yes
483	MaxStaSpcg		0.5	Yes	Yes
484	MaxStaSpcg		0.5	Yes	Yes
485	MaxStaSpcg		0.5	Yes	Yes
486	MaxStaSpcg		0.5	Yes	Yes
487	MaxStaSpcg		0.5	Yes	Yes
488	MaxStaSpcg		0.5	Yes	Yes
489	MaxStaSpcg		0.5	Yes	Yes
490	MaxStaSpcg		0.5	Yes	Yes
491	MaxStaSpcg		0.5	Yes	Yes
492	MaxStaSpcg		0.5	Yes	Yes
493	MaxStaSpcg		0.5	Yes	Yes
494	MaxStaSpcg		0.5	Yes	Yes
495	MaxStaSpcg		0.5	Yes	Yes
496	MaxStaSpcg		0.5	Yes	Yes
497	MaxStaSpcg		0.5	Yes	Yes

Table: Frame Output Station Assignments

Frame	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
			m		
498	MaxStaSpcg		0.5	Yes	Yes
499	MaxStaSpcg		0.5	Yes	Yes
500	MaxStaSpcg		0.5	Yes	Yes
501	MaxStaSpcg		0.5	Yes	Yes
502	MaxStaSpcg		0.5	Yes	Yes
503	MaxStaSpcg		0.5	Yes	Yes
504	MaxStaSpcg		0.5	Yes	Yes
505	MaxStaSpcg		0.5	Yes	Yes
506	MaxStaSpcg		0.5	Yes	Yes
507	MaxStaSpcg		0.5	Yes	Yes
508	MaxStaSpcg		0.5	Yes	Yes
509	MaxStaSpcg		0.5	Yes	Yes
510	MaxStaSpcg		0.5	Yes	Yes
511	MaxStaSpcg		0.5	Yes	Yes
512	MaxStaSpcg		0.5	Yes	Yes
513	MaxStaSpcg		0.5	Yes	Yes
514	MaxStaSpcg		0.5	Yes	Yes
515	MaxStaSpcg		0.5	Yes	Yes
516	MaxStaSpcg		0.5	Yes	Yes
517	MaxStaSpcg		0.5	Yes	Yes
518	MaxStaSpcg		0.5	Yes	Yes
519	MaxStaSpcg		0.5	Yes	Yes
520	MaxStaSpcg		0.5	Yes	Yes
521	MaxStaSpcg		0.5	Yes	Yes
522	MaxStaSpcg		0.5	Yes	Yes
523	MaxStaSpcg		0.5	Yes	Yes
524	MaxStaSpcg		0.5	Yes	Yes
525	MaxStaSpcg		0.5	Yes	Yes
526	MaxStaSpcg		0.5	Yes	Yes
527	MaxStaSpcg		0.5	Yes	Yes
528	MaxStaSpcg		0.5	Yes	Yes
529	MaxStaSpcg		0.5	Yes	Yes
530	MaxStaSpcg		0.5	Yes	Yes
531	MaxStaSpcg		0.5	Yes	Yes
532	MaxStaSpcg		0.5	Yes	Yes
533	MaxStaSpcg		0.5	Yes	Yes
534	MaxStaSpcg		0.5	Yes	Yes
535	MaxStaSpcg		0.5	Yes	Yes
536	MaxStaSpcg		0.5	Yes	Yes
537	MaxStaSpcg		0.5	Yes	Yes
538	MaxStaSpcg		0.5	Yes	Yes
539	MaxStaSpcg		0.5	Yes	Yes
540	MaxStaSpcg		0.5	Yes	Yes
541	MaxStaSpcg		0.5	Yes	Yes
542	MaxStaSpcg		0.5	Yes	Yes
543	MaxStaSpcg		0.5	Yes	Yes
544	MaxStaSpcg		0.5	Yes	Yes
545	MaxStaSpcg		0.5	Yes	Yes
546	MaxStaSpcg		0.5	Yes	Yes
547	MaxStaSpcg		0.5	Yes	Yes
548	MaxStaSpcg		0.5	Yes	Yes
549	MaxStaSpcg		0.5	Yes	Yes
550	MaxStaSpcg		0.5	Yes	Yes

Table: Frame Output Station Assignments

Frame	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
			m		
551	MaxStaSpcg		0.5	Yes	Yes
552	MaxStaSpcg		0.5	Yes	Yes
553	MaxStaSpcg		0.5	Yes	Yes
554	MaxStaSpcg		0.5	Yes	Yes
555	MaxStaSpcg		0.5	Yes	Yes
556	MaxStaSpcg		0.5	Yes	Yes
557	MaxStaSpcg		0.5	Yes	Yes
558	MaxStaSpcg		0.5	Yes	Yes
559	MaxStaSpcg		0.5	Yes	Yes
560	MaxStaSpcg		0.5	Yes	Yes
561	MaxStaSpcg		0.5	Yes	Yes
562	MaxStaSpcg		0.5	Yes	Yes
563	MaxStaSpcg		0.5	Yes	Yes
564	MaxStaSpcg		0.5	Yes	Yes
565	MaxStaSpcg		0.5	Yes	Yes
566	MaxStaSpcg		0.5	Yes	Yes
567	MaxStaSpcg		0.5	Yes	Yes
568	MaxStaSpcg		0.5	Yes	Yes
569	MaxStaSpcg		0.5	Yes	Yes
570	MaxStaSpcg		0.5	Yes	Yes
571	MaxStaSpcg		0.5	Yes	Yes
572	MaxStaSpcg		0.5	Yes	Yes
573	MaxStaSpcg		0.5	Yes	Yes
574	MaxStaSpcg		0.5	Yes	Yes
575	MaxStaSpcg		0.5	Yes	Yes
576	MaxStaSpcg		0.5	Yes	Yes
577	MaxStaSpcg		0.5	Yes	Yes
578	MaxStaSpcg		0.5	Yes	Yes
579	MaxStaSpcg		0.5	Yes	Yes
580	MaxStaSpcg		0.5	Yes	Yes
581	MaxStaSpcg		0.5	Yes	Yes
582	MaxStaSpcg		0.5	Yes	Yes
583	MaxStaSpcg		0.5	Yes	Yes
584	MaxStaSpcg		0.5	Yes	Yes
585	MaxStaSpcg		0.5	Yes	Yes
586	MaxStaSpcg		0.5	Yes	Yes
587	MaxStaSpcg		0.5	Yes	Yes
588	MaxStaSpcg		0.5	Yes	Yes
589	MaxStaSpcg		0.5	Yes	Yes
590	MaxStaSpcg		0.5	Yes	Yes
591	MaxStaSpcg		0.5	Yes	Yes
592	MaxStaSpcg		0.5	Yes	Yes
593	MaxStaSpcg		0.5	Yes	Yes
594	MaxStaSpcg		0.5	Yes	Yes
595	MaxStaSpcg		0.5	Yes	Yes
596	MaxStaSpcg		0.5	Yes	Yes
597	MaxStaSpcg		0.5	Yes	Yes
598	MaxStaSpcg		0.5	Yes	Yes
599	MaxStaSpcg		0.5	Yes	Yes
600	MaxStaSpcg		0.5	Yes	Yes
601	MaxStaSpcg		0.5	Yes	Yes
602	MaxStaSpcg		0.5	Yes	Yes
603	MaxStaSpcg		0.5	Yes	Yes

Table: Frame Output Station Assignments

Frame	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
			m		
604	MaxStaSpcg		0.5	Yes	Yes
605	MaxStaSpcg		0.5	Yes	Yes
606	MaxStaSpcg		0.5	Yes	Yes
607	MaxStaSpcg		0.5	Yes	Yes
608	MaxStaSpcg		0.5	Yes	Yes
609	MaxStaSpcg		0.5	Yes	Yes
610	MaxStaSpcg		0.5	Yes	Yes
611	MaxStaSpcg		0.5	Yes	Yes
612	MaxStaSpcg		0.5	Yes	Yes
613	MaxStaSpcg		0.5	Yes	Yes
614	MaxStaSpcg		0.5	Yes	Yes
615	MaxStaSpcg		0.5	Yes	Yes
616	MaxStaSpcg		0.5	Yes	Yes
617	MaxStaSpcg		0.5	Yes	Yes
618	MaxStaSpcg		0.5	Yes	Yes
619	MaxStaSpcg		0.5	Yes	Yes
620	MaxStaSpcg		0.5	Yes	Yes
621	MaxStaSpcg		0.5	Yes	Yes
622	MaxStaSpcg		0.5	Yes	Yes
623	MaxStaSpcg		0.5	Yes	Yes
624	MaxStaSpcg		0.5	Yes	Yes
625	MaxStaSpcg		0.5	Yes	Yes
626	MaxStaSpcg		0.5	Yes	Yes
627	MaxStaSpcg		0.5	Yes	Yes
628	MaxStaSpcg		0.5	Yes	Yes
629	MaxStaSpcg		0.5	Yes	Yes
630	MaxStaSpcg		0.5	Yes	Yes
631	MaxStaSpcg		0.5	Yes	Yes
632	MaxStaSpcg		0.5	Yes	Yes
633	MaxStaSpcg		0.5	Yes	Yes
634	MaxStaSpcg		0.5	Yes	Yes
635	MaxStaSpcg		0.5	Yes	Yes
636	MaxStaSpcg		0.5	Yes	Yes
637	MaxStaSpcg		0.5	Yes	Yes
638	MaxStaSpcg		0.5	Yes	Yes
639	MaxStaSpcg		0.5	Yes	Yes
640	MaxStaSpcg		0.5	Yes	Yes
641	MaxStaSpcg		0.5	Yes	Yes
642	MaxStaSpcg		0.5	Yes	Yes
643	MaxStaSpcg		0.5	Yes	Yes
644	MaxStaSpcg		0.5	Yes	Yes
645	MaxStaSpcg		0.5	Yes	Yes
646	MaxStaSpcg		0.5	Yes	Yes
647	MaxStaSpcg		0.5	Yes	Yes
648	MaxStaSpcg		0.5	Yes	Yes
649	MaxStaSpcg		0.5	Yes	Yes
650	MaxStaSpcg		0.5	Yes	Yes
651	MaxStaSpcg		0.5	Yes	Yes
652	MaxStaSpcg		0.5	Yes	Yes
653	MaxStaSpcg		0.5	Yes	Yes
654	MaxStaSpcg		0.5	Yes	Yes
655	MaxStaSpcg		0.5	Yes	Yes
656	MaxStaSpcg		0.5	Yes	Yes

Table: Frame Output Station Assignments

Frame	StationType	MinNumSta	MaxStaSpcg	AddAtElmIn t	AddAtPtLoa d
657	MaxStaSpcg		0.5	Yes	Yes
658	MaxStaSpcg		0.5	Yes	Yes
659	MaxStaSpcg		0.5	Yes	Yes
660	MaxStaSpcg		0.5	Yes	Yes
661	MaxStaSpcg		0.5	Yes	Yes

Table: Frame Property Modifiers, Part 1 of 2

Table: Frame Property Modifiers, Part 1 of 2

Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod
348	1	1	1	1	1	1	1
350	1	1	1	1	1	1	1
351	1	1	1	1	1	1	1
353	1	1	1	1	1	1	1
354	1	1	1	1	1	1	1
356	1	1	1	1	1	1	1
357	1	1	1	1	1	1	1
359	1	1	1	1	1	1	1
360	1	1	1	1	1	1	1
362	1	1	1	1	1	1	1
363	1	1	1	1	1	1	1
365	1	1	1	1	1	1	1
366	1	1	1	1	1	1	1
368	1	1	1	1	1	1	1
369	1	1	1	1	1	1	1
371	1	1	1	1	1	1	1
372	1	1	1	1	1	1	1
374	1	1	1	1	1	1	1
375	1	1	1	1	1	1	1
377	1	1	1	1	1	1	1
378	1	1	1	1	1	1	1
380	1	1	1	1	1	1	1
381	1	1	1	1	1	1	1
383	1	1	1	1	1	1	1
384	1	1	1	1	1	1	1
386	1	1	1	1	1	1	1
387	1	1	1	1	1	1	1
389	1	1	1	1	1	1	1
390	1	1	1	1	1	1	1
392	1	1	1	1	1	1	1
393	1	1	1	1	1	1	1
395	1	1	1	1	1	1	1
396	1	1	1	1	1	1	1
398	1	1	1	1	1	1	1
399	1	1	1	1	1	1	1
401	1	1	1	1	1	1	1
402	1	1	1	1	1	1	1
404	1	1	1	1	1	1	1
405	1	1	1	1	1	1	1
407	1	1	1	1	1	1	1
408	1	1	1	1	1	1	1
410	1	1	1	1	1	1	1

Table: Frame Property Modifiers, Part 1 of 2

Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod
411	1	1	1	1	1	1	1
413	1	1	1	1	1	1	1
414	1	1	1	1	1	1	1
416	1	1	1	1	1	1	1
417	1	1	1	1	1	1	1
419	1	1	1	1	1	1	1
420	1	1	1	1	1	1	1
422	1	1	1	1	1	1	1
423	1	1	1	1	1	1	1
425	1	1	1	1	1	1	1
426	1	1	1	1	1	1	1
428	1	1	1	1	1	1	1
476	1	1	1	1	1	1	1
477	1	1	1	1	1	1	1
478	1	1	1	1	1	1	1
479	1	1	1	1	1	1	1
480	1	1	1	1	1	1	1
481	1	1	1	1	1	1	1
482	1	1	1	1	1	1	1
483	1	1	1	1	1	1	1
484	1	1	1	1	1	1	1
485	1	1	1	1	1	1	1
486	1	1	1	1	1	1	1
487	1	1	1	1	1	1	1
488	1	1	1	1	1	1	1
489	1	1	1	1	1	1	1
490	1	1	1	1	1	1	1
491	1	1	1	1	1	1	1
492	1	1	1	1	1	1	1
493	1	1	1	1	1	1	1
494	1	1	1	1	1	1	1
495	1	1	1	1	1	1	1
496	1	1	1	1	1	1	1
497	1	1	1	1	1	1	1
498	1	1	1	1	1	1	1
499	1	1	1	1	1	1	1
500	1	1	1	1	1	1	1
501	1	1	1	1	1	1	1
502	1	1	1	1	1	1	1
503	1	1	1	1	1	1	1
504	1	1	1	1	1	1	1
505	1	1	1	1	1	1	1
506	1	1	1	1	1	1	1
507	1	1	1	1	1	1	1
508	1	1	1	1	1	1	1
509	1	1	1	1	1	1	1
510	1	1	1	1	1	1	1
511	1	1	1	1	1	1	1
512	1	1	1	1	1	1	1
513	1	1	1	1	1	1	1
514	1	1	1	1	1	1	1
515	1	1	1	1	1	1	1
516	1	1	1	1	1	1	1
517	1	1	1	1	1	1	1

Table: Frame Property Modifiers, Part 1 of 2

Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod
518	1	1	1	1	1	1	1
519	1	1	1	1	1	1	1
520	1	1	1	1	1	1	1
521	1	1	1	1	1	1	1
522	1	1	1	1	1	1	1
523	1	1	1	1	1	1	1
524	1	1	1	1	1	1	1
525	1	1	1	1	1	1	1
526	1	1	1	1	1	1	1
527	1	1	1	1	1	1	1
528	1	1	1	1	1	1	1
529	1	1	1	1	1	1	1
530	1	1	1	1	1	1	1
531	1	1	1	1	1	1	1
532	1	1	1	1	1	1	1
533	1	1	1	1	1	1	1
534	1	1	1	1	1	1	1
535	1	1	1	1	1	1	1
536	1	1	1	1	1	1	1
537	1	1	1	1	1	1	1
538	1	1	1	1	1	1	1
539	1	1	1	1	1	1	1
540	1	1	1	1	1	1	1
541	1	1	1	1	1	1	1
542	1	1	1	1	1	1	1
543	1	1	1	1	1	1	1
544	1	1	1	1	1	1	1
545	1	1	1	1	1	1	1
546	1	1	1	1	1	1	1
547	1	1	1	1	1	1	1
548	1	1	1	1	1	1	1
549	1	1	1	1	1	1	1
550	1	1	1	1	1	1	1
551	1	1	1	1	1	1	1
552	1	1	1	1	1	1	1
553	1	1	1	1	1	1	1
554	1	1	1	1	1	1	1
555	1	1	1	1	1	1	1
556	1	1	1	1	1	1	1
557	1	1	1	1	1	1	1
558	1	1	1	1	1	1	1
559	1	1	1	1	1	1	1
560	1	1	1	1	1	1	1
561	1	1	1	1	1	1	1
562	1	1	1	1	1	1	1
563	1	1	1	1	1	1	1
564	1	1	1	1	1	1	1
565	1	1	1	1	1	1	1
566	1	1	1	1	1	1	1
567	1	1	1	1	1	1	1
568	1	1	1	1	1	1	1
569	1	1	1	1	1	1	1
570	1	1	1	1	1	1	1
571	1	1	1	1	1	1	1

Table: Frame Property Modifiers, Part 1 of 2

Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod
572	1	1	1	1	1	1	1
573	1	1	1	1	1	1	1
574	1	1	1	1	1	1	1
575	1	1	1	1	1	1	1
576	1	1	1	1	1	1	1
577	1	1	1	1	1	1	1
578	1	1	1	1	1	1	1
579	1	1	1	1	1	1	1
580	1	1	1	1	1	1	1
581	1	1	1	1	1	1	1
582	1	1	1	1	1	1	1
583	1	1	1	1	1	1	1
584	1	1	1	1	1	1	1
585	1	1	1	1	1	1	1
586	1	1	1	1	1	1	1
587	1	1	1	1	1	1	1
588	1	1	1	1	1	1	1
589	1	1	1	1	1	1	1
590	1	1	1	1	1	1	1
591	1	1	1	1	1	1	1
592	1	1	1	1	1	1	1
593	1	1	1	1	1	1	1
594	1	1	1	1	1	1	1
595	1	1	1	1	1	1	1
596	1	1	1	1	1	1	1
597	1	1	1	1	1	1	1
598	1	1	1	1	1	1	1
599	1	1	1	1	1	1	1
600	1	1	1	1	1	1	1
601	1	1	1	1	1	1	1
602	1	1	1	1	1	1	1
603	1	1	1	1	1	1	1
604	1	1	1	1	1	1	1
605	1	1	1	1	1	1	1
606	1	1	1	1	1	1	1
607	1	1	1	1	1	1	1
608	1	1	1	1	1	1	1
609	1	1	1	1	1	1	1
610	1	1	1	1	1	1	1
611	1	1	1	1	1	1	1
612	1	1	1	1	1	1	1
613	1	1	1	1	1	1	1
614	1	1	1	1	1	1	1
615	1	1	1	1	1	1	1
616	1	1	1	1	1	1	1
617	1	1	1	1	1	1	1
618	1	1	1	1	1	1	1
619	1	1	1	1	1	1	1
620	1	1	1	1	1	1	1
621	1	1	1	1	1	1	1
622	1	1	1	1	1	1	1
623	1	1	1	1	1	1	1
624	1	1	1	1	1	1	1
625	1	1	1	1	1	1	1

Table: Frame Property Modifiers, Part 1 of 2

Frame	AMod	AS2Mod	AS3Mod	JMod	I22Mod	I33Mod	MassMod
626	1	1	1	1	1	1	1
627	1	1	1	1	1	1	1
628	1	1	1	1	1	1	1
629	1	1	1	1	1	1	1
630	1	1	1	1	1	1	1
631	1	1	1	1	1	1	1
632	1	1	1	1	1	1	1
633	1	1	1	1	1	1	1
634	1	1	1	1	1	1	1
635	1	1	1	1	1	1	1
636	1	1	1	1	1	1	1
637	1	1	1	1	1	1	1
638	1	1	1	1	1	1	1
639	1	1	1	1	1	1	1
640	1	1	1	1	1	1	1
641	1	1	1	1	1	1	1
642	1	1	1	1	1	1	1
643	1	1	1	1	1	1	1
644	1	1	1	1	1	1	1
645	1	1	1	1	1	1	1
646	1	1	1	1	1	1	1
647	1	1	1	1	1	1	1
648	1	1	1	1	1	1	1
649	1	1	1	1	1	1	1
650	1	1	1	1	1	1	1
651	1	1	1	1	1	1	1
652	1	1	1	1	1	1	1
653	1	1	1	1	1	1	1
654	1	1	1	1	1	1	1
655	1	1	1	1	1	1	1
656	1	1	1	1	1	1	1
657	1	1	1	1	1	1	1
658	1	1	1	1	1	1	1
659	1	1	1	1	1	1	1
660	1	1	1	1	1	1	1
661	1	1	1	1	1	1	1

Table: Frame Property Modifiers, Part 2 of 2

Table: Frame Property Modifiers, Part 2 of 2

Frame	WeightMod	EAModifier	EIModifier
348	1	0.8	0.8
350	1	0.8	0.8
351	1	0.8	0.8
353	1	0.8	0.8
354	1	0.8	0.8
356	1	0.8	0.8
357	1	0.8	0.8
359	1	0.8	0.8
360	1	0.8	0.8
362	1	0.8	0.8
363	1	0.8	0.8

Table: Frame Property Modifiers, Part 2 of 2

Frame	WeightMod	EAModifier	EIModifier
365	1	0.8	0.8
366	1	0.8	0.8
368	1	0.8	0.8
369	1	0.8	0.8
371	1	0.8	0.8
372	1	0.8	0.8
374	1	0.8	0.8
375	1	0.8	0.8
377	1	0.8	0.8
378	1	0.8	0.8
380	1	0.8	0.8
381	1	0.8	0.8
383	1	0.8	0.8
384	1	0.8	0.8
386	1	0.8	0.8
387	1	0.8	0.8
389	1	0.8	0.8
390	1	0.8	0.8
392	1	0.8	0.8
393	1	0.8	0.8
395	1	0.8	0.8
396	1	0.8	0.8
398	1	0.8	0.8
399	1	0.8	0.8
401	1	0.8	0.8
402	1	0.8	0.8
404	1	0.8	0.8
405	1	0.8	0.8
407	1	0.8	0.8
408	1	0.8	0.8
410	1	0.8	0.8
411	1	0.8	0.8
413	1	0.8	0.8
414	1	0.8	0.8
416	1	0.8	0.8
417	1	0.8	0.8
419	1	0.8	0.8
420	1	0.8	0.8
422	1	0.8	0.8
423	1	0.8	0.8
425	1	0.8	0.8
426	1	0.8	0.8
428	1	0.8	0.8
476	1	0.8	0.8
477	1	0.8	0.8
478	1	0.8	0.8
479	1	0.8	0.8
480	1	0.8	0.8
481	1	0.8	0.8
482	1	0.8	0.8
483	1	0.8	0.8
484	1	0.8	0.8
485	1	0.8	0.8
486	1	0.8	0.8

Table: Frame Property Modifiers, Part 2 of 2

Frame	WeightMod	EAModifier	EIModifier
487	1	0.8	0.8
488	1	0.8	0.8
489	1	0.8	0.8
490	1	0.8	0.8
491	1	0.8	0.8
492	1	0.8	0.8
493	1	0.8	0.8
494	1	0.8	0.8
495	1	0.8	0.8
496	1	0.8	0.8
497	1	0.8	0.8
498	1	0.8	0.8
499	1	0.8	0.8
500	1	0.8	0.8
501	1	0.8	0.8
502	1	0.8	0.8
503	1	0.8	0.8
504	1	0.8	0.8
505	1	0.8	0.8
506	1	0.8	0.8
507	1	0.8	0.8
508	1	0.8	0.8
509	1	0.8	0.8
510	1	0.8	0.8
511	1	0.8	0.8
512	1	0.8	0.8
513	1	0.8	0.8
514	1	0.8	0.8
515	1	0.8	0.8
516	1	0.8	0.8
517	1	0.8	0.8
518	1	0.8	0.8
519	1	0.8	0.8
520	1	0.8	0.8
521	1	0.8	0.8
522	1	0.8	0.8
523	1	0.8	0.8
524	1	0.8	0.8
525	1	0.8	0.8
526	1	0.8	0.8
527	1	0.8	0.8
528	1	0.8	0.8
529	1	0.8	0.8
530	1	0.8	0.8
531	1	0.8	0.8
532	1	0.8	0.8
533	1	0.8	0.8
534	1	0.8	0.8
535	1	0.8	0.8
536	1	0.8	0.8
537	1	0.8	0.8
538	1	0.8	0.8
539	1	0.8	0.8
540	1	0.8	0.8

Table: Frame Property Modifiers, Part 2 of 2

Frame	WeightMod	EAModifier	EIModifier
541	1	0.8	0.8
542	1	0.8	0.8
543	1	0.8	0.8
544	1	0.8	0.8
545	1	0.8	0.8
546	1	0.8	0.8
547	1	0.8	0.8
548	1	0.8	0.8
549	1	0.8	0.8
550	1	0.8	0.8
551	1	0.8	0.8
552	1	0.8	0.8
553	1	0.8	0.8
554	1	0.8	0.8
555	1	0.8	0.8
556	1	0.8	0.8
557	1	0.8	0.8
558	1	0.8	0.8
559	1	0.8	0.8
560	1	0.8	0.8
561	1	0.8	0.8
562	1	0.8	0.8
563	1	0.8	0.8
564	1	0.8	0.8
565	1	0.8	0.8
566	1	0.8	0.8
567	1	0.8	0.8
568	1	0.8	0.8
569	1	0.8	0.8
570	1	0.8	0.8
571	1	0.8	0.8
572	1	0.8	0.8
573	1	0.8	0.8
574	1	0.8	0.8
575	1	0.8	0.8
576	1	0.8	0.8
577	1	0.8	0.8
578	1	0.8	0.8
579	1	0.8	0.8
580	1	0.8	0.8
581	1	0.8	0.8
582	1	0.8	0.8
583	1	0.8	0.8
584	1	0.8	0.8
585	1	0.8	0.8
586	1	0.8	0.8
587	1	0.8	0.8
588	1	0.8	0.8
589	1	0.8	0.8
590	1	0.8	0.8
591	1	0.8	0.8
592	1	0.8	0.8
593	1	0.8	0.8
594	1	0.8	0.8

Table: Frame Property Modifiers, Part 2 of 2

Frame	WeightMod	EAModifier	EIModifier
595	1	0.8	0.8
596	1	0.8	0.8
597	1	0.8	0.8
598	1	0.8	0.8
599	1	0.8	0.8
600	1	0.8	0.8
601	1	0.8	0.8
602	1	0.8	0.8
603	1	0.8	0.8
604	1	0.8	0.8
605	1	0.8	0.8
606	1	0.8	0.8
607	1	0.8	0.8
608	1	0.8	0.8
609	1	0.8	0.8
610	1	0.8	0.8
611	1	0.8	0.8
612	1	0.8	0.8
613	1	0.8	0.8
614	1	0.8	0.8
615	1	0.8	0.8
616	1	0.8	0.8
617	1	0.8	0.8
618	1	0.8	0.8
619	1	0.8	0.8
620	1	0.8	0.8
621	1	0.8	0.8
622	1	0.8	0.8
623	1	0.8	0.8
624	1	0.8	0.8
625	1	0.8	0.8
626	1	0.8	0.8
627	1	0.8	0.8
628	1	0.8	0.8
629	1	0.8	0.8
630	1	0.8	0.8
631	1	0.8	0.8
632	1	0.8	0.8
633	1	0.8	0.8
634	1	0.8	0.8
635	1	0.8	0.8
636	1	0.8	0.8
637	1	0.8	0.8
638	1	0.8	0.8
639	1	0.8	0.8
640	1	0.8	0.8
641	1	0.8	0.8
642	1	0.8	0.8
643	1	0.8	0.8
644	1	0.8	0.8
645	1	0.8	0.8
646	1	0.8	0.8
647	1	0.8	0.8
648	1	0.8	0.8

Table: Frame Property Modifiers, Part 2 of 2

Frame	WeightMod	EAModifier	EIModifier
649	1	0.8	0.8
650	1	0.8	0.8
651	1	0.8	0.8
652	1	0.8	0.8
653	1	0.8	0.8
654	1	0.8	0.8
655	1	0.8	0.8
656	1	0.8	0.8
657	1	0.8	0.8
658	1	0.8	0.8
659	1	0.8	0.8
660	1	0.8	0.8
661	1	0.8	0.8

Table: Frame Release Assignments 1 - General, Part 1 of 2

Table: Frame Release Assignments 1 - General, Part 1 of 2

Frame	PI	V2I	V3I	TI	M2I	M3I	PJ	V2J
584	No	No	No	No	Yes	Yes	No	No
585	No	No	No	No	Yes	Yes	No	No
586	No	No	No	No	Yes	Yes	No	No
587	No	No	No	No	Yes	Yes	No	No
588	No	No	No	No	Yes	Yes	No	No
589	No	No	No	No	Yes	Yes	No	No
590	No	No	No	No	Yes	Yes	No	No
591	No	No	No	No	Yes	Yes	No	No
592	No	No	No	No	Yes	Yes	No	No
593	No	No	No	No	Yes	Yes	No	No
594	No	No	No	No	Yes	Yes	No	No
595	No	No	No	No	Yes	Yes	No	No
596	No	No	No	No	Yes	Yes	No	No
597	No	No	No	No	Yes	Yes	No	No
598	No	No	No	No	Yes	Yes	No	No
599	No	No	No	No	Yes	Yes	No	No
600	No	No	No	No	Yes	Yes	No	No
601	No	No	No	No	Yes	Yes	No	No
602	No	No	No	No	Yes	Yes	No	No
603	No	No	No	No	Yes	Yes	No	No
604	No	No	No	No	Yes	Yes	No	No
605	No	No	No	No	Yes	Yes	No	No
606	No	No	No	No	Yes	Yes	No	No
607	No	No	No	No	Yes	Yes	No	No
608	No	No	No	No	Yes	Yes	No	No
609	No	No	No	No	Yes	Yes	No	No
610	No	No	No	No	Yes	Yes	No	No
611	No	No	No	No	Yes	Yes	No	No
612	No	No	No	No	Yes	Yes	No	No
613	No	No	No	No	Yes	Yes	No	No
614	No	No	No	No	Yes	Yes	No	No
615	No	No	No	No	Yes	Yes	No	No
616	No	No	No	No	Yes	Yes	No	No
617	No	No	No	No	Yes	Yes	No	No

Table: Frame Release Assignments 1 - General, Part 1 of 2

Frame	PI	V2I	V3I	TI	M2I	M3I	PJ	V2J
618	No	No	No	No	Yes	Yes	No	No
619	No	No	No	No	Yes	Yes	No	No
620	No	No	No	No	Yes	Yes	No	No
621	No	No	No	No	Yes	Yes	No	No
622	No	No	No	No	Yes	Yes	No	No
623	No	No	No	No	Yes	Yes	No	No
624	No	No	No	No	Yes	Yes	No	No
625	No	No	No	No	Yes	Yes	No	No
626	No	No	No	No	Yes	Yes	No	No
627	No	No	No	No	Yes	Yes	No	No
628	No	No	No	No	Yes	Yes	No	No
629	No	No	No	No	Yes	Yes	No	No
630	No	No	No	No	Yes	Yes	No	No
631	No	No	No	No	Yes	Yes	No	No
632	No	No	No	No	Yes	Yes	No	No
633	No	No	No	No	Yes	Yes	No	No
634	No	No	No	No	Yes	Yes	No	No
635	No	No	No	No	Yes	Yes	No	No
636	No	No	No	No	Yes	Yes	No	No
637	No	No	No	No	Yes	Yes	No	No
638	No	No	No	No	Yes	Yes	No	No
639	No	No	No	No	Yes	Yes	No	No
640	No	No	No	No	Yes	Yes	No	No
641	No	No	No	No	Yes	Yes	No	No
642	No	No	No	No	Yes	Yes	No	No
643	No	No	No	No	Yes	Yes	No	No
644	No	No	No	No	Yes	Yes	No	No
645	No	No	No	No	Yes	Yes	No	No
646	No	No	No	No	Yes	Yes	No	No
647	No	No	No	No	Yes	Yes	No	No
648	No	No	No	No	Yes	Yes	No	No
649	No	No	No	No	Yes	Yes	No	No
650	No	No	No	No	Yes	Yes	No	No
651	No	No	No	No	Yes	Yes	No	No
652	No	No	No	No	Yes	Yes	No	No
653	No	No	No	No	Yes	Yes	No	No
654	No	No	No	No	Yes	Yes	No	No
655	No	No	No	No	Yes	Yes	No	No
656	No	No	No	No	Yes	Yes	No	No
657	No	No	No	No	Yes	Yes	No	No
658	No	No	No	No	Yes	Yes	No	No
659	No	No	No	No	Yes	Yes	No	No
660	No	No	No	No	Yes	Yes	No	No
661	No	No	No	No	Yes	Yes	No	No

Table: Frame Release Assignments 1 - General, Part 2 of 2

Table: Frame Release Assignments 1 - General, Part 2 of 2

Frame	V3J	TJ	M2J	M3J	PartialFix
584	No	No	Yes	Yes	Yes
585	No	No	Yes	Yes	Yes
586	No	No	Yes	Yes	Yes

Table: Frame Release Assignments 1 - General, Part 2 of 2

Frame	V3J	TJ	M2J	M3J	PartialFix
587	No	No	Yes	Yes	Yes
588	No	No	Yes	Yes	Yes
589	No	No	Yes	Yes	Yes
590	No	No	Yes	Yes	Yes
591	No	No	Yes	Yes	Yes
592	No	No	Yes	Yes	Yes
593	No	No	Yes	Yes	Yes
594	No	No	Yes	Yes	Yes
595	No	No	Yes	Yes	Yes
596	No	No	Yes	Yes	Yes
597	No	No	Yes	Yes	Yes
598	No	No	Yes	Yes	Yes
599	No	No	Yes	Yes	Yes
600	No	No	Yes	Yes	Yes
601	No	No	Yes	Yes	Yes
602	No	No	Yes	Yes	Yes
603	No	No	Yes	Yes	Yes
604	No	No	Yes	Yes	Yes
605	No	No	Yes	Yes	Yes
606	No	No	Yes	Yes	Yes
607	No	No	Yes	Yes	Yes
608	No	No	Yes	Yes	Yes
609	No	No	Yes	Yes	Yes
610	No	No	Yes	Yes	Yes
611	No	No	Yes	Yes	Yes
612	No	No	Yes	Yes	Yes
613	No	No	Yes	Yes	Yes
614	No	No	Yes	Yes	Yes
615	No	No	Yes	Yes	Yes
616	No	No	Yes	Yes	Yes
617	No	No	Yes	Yes	Yes
618	No	No	Yes	Yes	Yes
619	No	No	Yes	Yes	Yes
620	No	No	Yes	Yes	Yes
621	No	No	Yes	Yes	Yes
622	No	No	Yes	Yes	Yes
623	No	No	Yes	Yes	Yes
624	No	No	Yes	Yes	Yes
625	No	No	Yes	Yes	Yes
626	No	No	Yes	Yes	Yes
627	No	No	Yes	Yes	Yes
628	No	No	Yes	Yes	Yes
629	No	No	Yes	Yes	Yes
630	No	No	Yes	Yes	Yes
631	No	No	Yes	Yes	Yes
632	No	No	Yes	Yes	Yes
633	No	No	Yes	Yes	Yes
634	No	No	Yes	Yes	Yes
635	No	No	Yes	Yes	Yes
636	No	No	Yes	Yes	Yes
637	No	No	Yes	Yes	Yes
638	No	No	Yes	Yes	Yes
639	No	No	Yes	Yes	Yes
640	No	No	Yes	Yes	Yes

Table: Frame Release Assignments 1 - General, Part 2 of 2

Frame	V3J	TJ	M2J	M3J	PartialFix
641	No	No	Yes	Yes	Yes
642	No	No	Yes	Yes	Yes
643	No	No	Yes	Yes	Yes
644	No	No	Yes	Yes	Yes
645	No	No	Yes	Yes	Yes
646	No	No	Yes	Yes	Yes
647	No	No	Yes	Yes	Yes
648	No	No	Yes	Yes	Yes
649	No	No	Yes	Yes	Yes
650	No	No	Yes	Yes	Yes
651	No	No	Yes	Yes	Yes
652	No	No	Yes	Yes	Yes
653	No	No	Yes	Yes	Yes
654	No	No	Yes	Yes	Yes
655	No	No	Yes	Yes	Yes
656	No	No	Yes	Yes	Yes
657	No	No	Yes	Yes	Yes
658	No	No	Yes	Yes	Yes
659	No	No	Yes	Yes	Yes
660	No	No	Yes	Yes	Yes
661	No	No	Yes	Yes	Yes

Table: Frame Release Assignments 2 - Partial Fixity, Part 1 of 2

Table: Frame Release Assignments 2 - Partial Fixity, Part 1 of 2

Frame	PI Tonf/m	V2I Tonf/m	V3I Tonf/m	TI Tonf-m/rad	M2I Tonf-m/rad	M3I Tonf-m/rad	PJ Tonf/m	V2J Tonf/m
584					1E-05	1E-05		
585					1E-05	1E-05		
586					1E-05	1E-05		
587					1E-05	1E-05		
588					1E-05	1E-05		
589					1E-05	1E-05		
590					1E-05	1E-05		
591					1E-05	1E-05		
592					1E-05	1E-05		
593					1E-05	1E-05		
594					1E-05	1E-05		
595					1E-05	1E-05		
596					1E-05	1E-05		
597					1E-05	1E-05		
598					1E-05	1E-05		
599					1E-05	1E-05		
600					1E-05	1E-05		
601					1E-05	1E-05		
602					1E-05	1E-05		
603					1E-05	1E-05		
604					1E-05	1E-05		
605					1E-05	1E-05		
606					1E-05	1E-05		
607					1E-05	1E-05		
608					1E-05	1E-05		
609					1E-05	1E-05		

Table: Frame Release Assignments 2 - Partial Fixity, Part 1 of 2

Frame	PI Tonf/m	V2I Tonf/m	V3I Tonf/m	TI Tonf-m/rad	M2I Tonf-m/rad	M3I Tonf-m/rad	PJ Tonf/m	V2J Tonf/m
610					1E-05	1E-05		
611					1E-05	1E-05		
612					1E-05	1E-05		
613					1E-05	1E-05		
614					1E-05	1E-05		
615					1E-05	1E-05		
616					1E-05	1E-05		
617					1E-05	1E-05		
618					1E-05	1E-05		
619					1E-05	1E-05		
620					1E-05	1E-05		
621					1E-05	1E-05		
622					1E-05	1E-05		
623					1E-05	1E-05		
624					1E-05	1E-05		
625					1E-05	1E-05		
626					1E-05	1E-05		
627					1E-05	1E-05		
628					1E-05	1E-05		
629					1E-05	1E-05		
630					1E-05	1E-05		
631					1E-05	1E-05		
632					1E-05	1E-05		
633					1E-05	1E-05		
634					1E-05	1E-05		
635					1E-05	1E-05		
636					1E-05	1E-05		
637					1E-05	1E-05		
638					1E-05	1E-05		
639					1E-05	1E-05		
640					1E-05	1E-05		
641					1E-05	1E-05		
642					1E-05	1E-05		
643					1E-05	1E-05		
644					1E-05	1E-05		
645					1E-05	1E-05		
646					1E-05	1E-05		
647					1E-05	1E-05		
648					1E-05	1E-05		
649					1E-05	1E-05		
650					1E-05	1E-05		
651					1E-05	1E-05		
652					1E-05	1E-05		
653					1E-05	1E-05		
654					1E-05	1E-05		
655					1E-05	1E-05		
656					1E-05	1E-05		
657					1E-05	1E-05		
658					1E-05	1E-05		
659					1E-05	1E-05		
660					1E-05	1E-05		
661					1E-05	1E-05		

Table: Frame Release Assignments 2 - Partial Fixity, Part 2 of 2

Table: Frame Release Assignments 2 - Partial Fixity, Part 2 of 2

Frame	V3J Tonf/m	TJ Tonf-m/rad	M2J Tonf-m/rad	M3J Tonf-m/rad
584			1E-05	1E-05
585			1E-05	1E-05
586			1E-05	1E-05
587			1E-05	1E-05
588			1E-05	1E-05
589			1E-05	1E-05
590			1E-05	1E-05
591			1E-05	1E-05
592			1E-05	1E-05
593			1E-05	1E-05
594			1E-05	1E-05
595			1E-05	1E-05
596			1E-05	1E-05
597			1E-05	1E-05
598			1E-05	1E-05
599			1E-05	1E-05
600			1E-05	1E-05
601			1E-05	1E-05
602			1E-05	1E-05
603			1E-05	1E-05
604			1E-05	1E-05
605			1E-05	1E-05
606			1E-05	1E-05
607			1E-05	1E-05
608			1E-05	1E-05
609			1E-05	1E-05
610			1E-05	1E-05
611			1E-05	1E-05
612			1E-05	1E-05
613			1E-05	1E-05
614			1E-05	1E-05
615			1E-05	1E-05
616			1E-05	1E-05
617			1E-05	1E-05
618			1E-05	1E-05
619			1E-05	1E-05
620			1E-05	1E-05
621			1E-05	1E-05
622			1E-05	1E-05
623			1E-05	1E-05
624			1E-05	1E-05
625			1E-05	1E-05
626			1E-05	1E-05
627			1E-05	1E-05
628			1E-05	1E-05
629			1E-05	1E-05
630			1E-05	1E-05
631			1E-05	1E-05
632			1E-05	1E-05
633			1E-05	1E-05
634			1E-05	1E-05
635			1E-05	1E-05
636			1E-05	1E-05

Table: Frame Release Assignments 2 - Partial Fixity, Part 2 of 2

Frame	V3J Tonf/m	TJ Tonf-m/rad	M2J Tonf-m/rad	M3J Tonf-m/rad
637			1E-05	1E-05
638			1E-05	1E-05
639			1E-05	1E-05
640			1E-05	1E-05
641			1E-05	1E-05
642			1E-05	1E-05
643			1E-05	1E-05
644			1E-05	1E-05
645			1E-05	1E-05
646			1E-05	1E-05
647			1E-05	1E-05
648			1E-05	1E-05
649			1E-05	1E-05
650			1E-05	1E-05
651			1E-05	1E-05
652			1E-05	1E-05
653			1E-05	1E-05
654			1E-05	1E-05
655			1E-05	1E-05
656			1E-05	1E-05
657			1E-05	1E-05
658			1E-05	1E-05
659			1E-05	1E-05
660			1E-05	1E-05
661			1E-05	1E-05

Table: Frame Section Assignments

Table: Frame Section Assignments

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
348	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
350	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
351	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
353	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
354	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
356	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
357	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
359	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
360	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
362	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
363	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
365	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
366	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
368	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
369	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
371	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
372	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
374	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
375	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
377	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
378	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
380	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default

Table: Frame Section Assignments

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
381	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
383	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
384	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
386	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
387	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
389	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
390	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
392	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
393	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
395	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
396	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
398	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
399	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
401	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
402	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
404	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
405	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
407	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
408	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
410	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
411	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
413	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
414	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
416	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
417	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
419	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
420	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
422	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
423	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
425	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
426	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
428	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
458	Rectangular	N.A.	V60X40	V60X40	Default
459	Rectangular	N.A.	V60X40	V60X40	Default
460	Rectangular	N.A.	V60X40	V60X40	Default
461	Rectangular	N.A.	V60X40	V60X40	Default
462	Rectangular	N.A.	V60X40	V60X40	Default
463	Rectangular	N.A.	V60X40	V60X40	Default
464	Rectangular	N.A.	C50X60	C50X60	Default
465	Rectangular	N.A.	C50X60	C50X60	Default
466	Rectangular	N.A.	C50X60	C50X60	Default
467	Rectangular	N.A.	C50X60	C50X60	Default
468	Rectangular	N.A.	C50X60	C50X60	Default
469	Rectangular	N.A.	C50X60	C50X60	Default
470	Rectangular	N.A.	C50X60	C50X60	Default
471	Rectangular	N.A.	C50X60	C50X60	Default
472	Rectangular	N.A.	C50X60	C50X60	Default
473	Rectangular	N.A.	C50X60	C50X60	Default
474	Rectangular	N.A.	C50X60	C50X60	Default
475	Rectangular	N.A.	C50X60	C50X60	Default
476	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
477	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
478	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
479	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default

Table: Frame Section Assignments

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
480	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
481	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
482	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
483	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
484	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
485	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
486	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
487	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
488	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
489	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
490	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
491	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
492	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
493	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
494	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
495	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
496	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
497	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
498	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
499	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
500	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
501	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
502	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
503	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
504	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
505	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
506	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
507	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
508	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
509	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
510	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
511	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
512	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
513	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
514	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
515	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
516	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
517	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
518	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
519	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
520	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
521	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
522	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
523	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
524	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
525	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
526	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
527	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
528	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
529	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
530	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
531	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
532	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
533	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default

Table: Frame Section Assignments

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
534	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
535	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
536	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
537	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
538	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
539	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
540	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
541	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
542	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
543	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
544	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
545	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
546	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
547	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
548	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
549	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
550	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
551	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
552	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
553	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
554	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
555	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
556	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
557	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
558	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
559	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
560	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
561	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
562	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
563	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
564	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
565	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
566	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
567	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
568	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
569	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
570	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
571	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
572	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
573	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
574	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
575	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
576	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
577	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
578	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
579	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
580	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
581	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
582	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
583	Tube	N.A.	PRC250X150X5mm	PRC250X150X5mm	Default
584	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
585	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
586	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
587	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default

Table: Frame Section Assignments

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
588	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
589	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
590	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
591	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
592	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
593	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
594	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
595	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
596	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
597	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
598	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
599	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
600	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
601	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
602	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
603	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
604	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
605	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
606	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
607	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
608	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
609	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
610	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
611	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
612	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
613	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
614	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
615	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
616	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
617	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
618	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
619	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
620	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
621	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
622	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
623	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
624	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
625	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
626	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
627	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
628	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
629	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
630	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
631	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
632	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
633	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
634	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
635	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
636	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
637	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
638	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
639	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
640	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
641	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default

Table: Frame Section Assignments

Frame	SectionType	AutoSelect	AnalSect	DesignSect	MatProp
642	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
643	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
644	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
645	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
646	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
647	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
648	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
649	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
650	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
651	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
652	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
653	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
654	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
655	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
656	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
657	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
658	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
659	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
660	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default
661	Tube	N.A.	PCC100X100X3mm	PCC100X100X3mm	Default

Table: Frame Section Properties 01 - General, Part 1 of 6

Table: Frame Section Properties 01 - General, Part 1 of 6

SectionName	Material	Shape	t3 m	t2 m	tf m	tw m
C50X60	4000Psi	Rectangular	0.6	0.5		
PCC100X100X3mm	A500GC	Box/Tube	0.1	0.1	0.003	0.003
PRC250X150X5mm	A500GC	Box/Tube	0.25	0.15	0.005	0.005
V60X40	4000Psi	Rectangular	0.4	0.6		

Table: Frame Section Properties 01 - General, Part 2 of 6

Table: Frame Section Properties 01 - General, Part 2 of 6

SectionName	Area m2	TorsConst m4	I33 m4	I22 m4	I23 m4	AS2 m2	AS3 m2
C50X60	0.3	0.012402	0.009	0.00625	0	0.25	0.25
PCC100X100X3mm	0.001164	2.738E-06	1.827E-06	1.827E-06	0	0.0006	0.0006
PRC250X150X5mm	0.0039	3.2E-05	3.4E-05	1.5E-05	0	0.0025	0.0015
V60X40	0.24	0.007512	0.0032	0.0072	0	0.2	0.2

Table: Frame Section Properties 01 - General, Part 3 of 6

Table: Frame Section Properties 01 - General, Part 3 of 6

SectionName	S33 m3	S22 m3	Z33 m3	Z22 m3	R33 m	R22 m	ConcCol
C50X60	0.03	0.025	0.045	0.0375	0.173205	0.144338	Yes
PCC100X100X3mm	3.7E-05	3.7E-05	4.2E-05	4.2E-05	0.039619	0.039619	No
PRC250X150X5mm	0.000272	0.000206	0.000328	0.00023	0.093415	0.062905	No
V60X40	0.016	0.024	0.024	0.036	0.11547	0.173205	No

Table: Frame Section Properties 01 - General, Part 4 of 6

Table: Frame Section Properties 01 - General, Part 4 of 6							
SectionName	ConcBeam	Color	TotalWt Tonf	TotalMass Tonf-s2/m	FromFile	AMod	A2Mod
C50X60	No	Gray4	38.204	3.9	No	1	1
PCC100X100X3mm	No	Gray8Dark	1.0689	0.11	No	1	1
PRC250X150X5mm	No	Magenta	2.3969	0.24	No	1	1
V60X40	Yes	Gray4	9.342	0.95	No	1	1

Table: Frame Section Properties 01 - General, Part 5 of 6

Table: Frame Section Properties 01 - General, Part 5 of 6						
SectionName	A3Mod	JMod	I2Mod	I3Mod	MMod	WMod
C50X60	1	1	1	1	1	1
PCC100X100X3mm	1	1	1	1	1	1
PRC250X150X5mm	1	1	1	1	1	1
V60X40	1	1	1	1	1	1

Table: Frame Section Properties 01 - General, Part 6 of 6

Table: Frame Section Properties 01 - General, Part 6 of 6		
SectionName	GUID	Notes
C50X60		Added 30/08/2016 8:03:27 PM
PCC100X100X3mm		Added 18/08/2016 10:52:09
PRC250X150X5mm		Added 17/08/2016 7:19:55
V60X40		Added 18/08/2016 10:53:09

Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2

Table: Frame Section Properties 02 - Concrete Column, Part 1 of 2								
SectionName	RebarMatL	RebarMatC	ReinfConfig	LatReinf	Cover m	NumBars3Dir	NumBars2Dir	BarSizeL
C50X60	A615Gr60	A615Gr60	Rectangular	Ties	0.04	3	3	#9

Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2

Table: Frame Section Properties 02 - Concrete Column, Part 2 of 2					
SectionName	BarSizeC	SpacingC m	NumCBars2	NumCBars3	ReinfType
C50X60	#4	0.15	3	3	Design

Table: Frame Section Properties 03 - Concrete Beam

Table: Frame Section Properties 03 - Concrete Beam								
SectionName	RebarMatL	RebarMatC	TopCover m	BotCover m	TopLeftArea m2	TopRightArea m2	BotLeftArea m2	BotRightArea m2
V60X40	A615Gr60	A615Gr60	0.06	0.06	0	0	0	0

Table: Frame Section Properties 13 - Time Dependent

Table: Frame Section Properties 13 - Time Dependent				
SectionName	TypeSize	AutoValSize m	AutoSFSize	UserValSize m
C50X60	Auto	0.27273	1	
PCC100X100X3mm	Auto	0.003	1	
PRC250X150X5mm	Auto	0.005	1	
V60X40	Auto	0.24	1	

Table: Function - Power Spectral Density - User

Table: Function - Power Spectral Density - User		
Name	Frequency Cyc/sec	Value
UNIFPSD	0	1
UNIFPSD	1	1

Table: Function - Response Spectrum - AASHTO 2012, Part 1 of 2

Table: Function - Response Spectrum - AASHTO 2012, Part 1 of 2							
Name	Period Sec	Accel	FuncDamp	AccOption	Ss	S1	PGA
AASHTO 2012	0	0.325	0.05	User	0.5	0.25	0.25
AASHTO 2012	0.045238	0.45					
AASHTO 2012	0.090476	0.575					
AASHTO 2012	0.135714	0.7					
AASHTO 2012	0.678571	0.7					
AASHTO 2012	0.8	0.59375					
AASHTO 2012	1	0.475					
AASHTO 2012	1.2	0.395833					
AASHTO 2012	1.4	0.339286					
AASHTO 2012	1.6	0.296875					
AASHTO 2012	1.8	0.263889					
AASHTO 2012	2	0.2375					
AASHTO 2012	2.5	0.19					
AASHTO 2012	3	0.158333					
AASHTO 2012	3.5	0.135714					
AASHTO 2012	4	0.11875					
AASHTO 2012	4.5	0.105556					
AASHTO 2012	5	0.095					
AASHTO 2012	5.5	0.086364					
AASHTO 2012	6	0.079167					
AASHTO 2012	6.5	0.073077					
AASHTO 2012	7	0.067857					
AASHTO 2012	7.5	0.063333					
AASHTO 2012	8	0.059375					
AASHTO 2012	8.5	0.055882					
AASHTO 2012	9	0.052778					
AASHTO 2012	9.5	0.05					
AASHTO 2012	10	0.0475					

Table: Function - Response Spectrum - AASHTO 2012, Part 2 of 2

Table: Function - Response Spectrum - AASHTO 2012, Part 2 of 2							
Name	Period Sec	SiteClass	Fa	Fv	Fpga	SDS	SD1
AASHTO 2012	0	D	1.4	1.9	1.3	0.7	0.475
AASHTO 2012	0.045238						
AASHTO 2012	0.090476						
AASHTO 2012	0.135714						
AASHTO 2012	0.678571						
AASHTO 2012	0.8						
AASHTO 2012	1						
AASHTO 2012	1.2						
AASHTO 2012	1.4						
AASHTO 2012	1.6						
AASHTO 2012	1.8						
AASHTO 2012	2						
AASHTO 2012	2.5						
AASHTO 2012	3						
AASHTO 2012	3.5						
AASHTO 2012	4						
AASHTO 2012	4.5						
AASHTO 2012	5						
AASHTO 2012	5.5						
AASHTO 2012	6						
AASHTO 2012	6.5						
AASHTO 2012	7						
AASHTO 2012	7.5						
AASHTO 2012	8						
AASHTO 2012	8.5						
AASHTO 2012	9						
AASHTO 2012	9.5						
AASHTO 2012	10						

Table: Function - Steady State - User

Table: Function - Steady State - User		
Name	Frequency Cyc/sec	Value
UNIFSS	0	1
UNIFSS	1	1

Table: Function - Time History - User

Table: Function - Time History - User		
Name	Time Sec	Value
RAMPTH	0	0
RAMPTH	1	1
RAMPTH	4	1
UNIFTH	0	1
UNIFTH	1	1

Table: Grid Lines, Part 1 of 2

Table: Grid Lines, Part 1 of 2							
CoordSys	AxisDir	GridID	XRYZCoord m	LineType	LineColor	Visible	BubbleLoc
GLOBAL	X	A	0	Primary	Gray8Dark	No	End
GLOBAL	X	B	20	Primary	Gray8Dark	No	End
GLOBAL	X	C	40	Primary	Gray8Dark	No	End
GLOBAL	Y	1	0	Primary	Gray8Dark	No	End
GLOBAL	Y	2	1.35	Primary	Gray8Dark	No	Start
GLOBAL	Y	3	2.7	Primary	Gray8Dark	No	Start
GLOBAL	Z	E1	0	Primary	Gray8Dark	No	End
GLOBAL	Z		2.225	Primary	Gray8Dark	No	End

Table: Grid Lines, Part 2 of 2

Table: Grid Lines, Part 2 of 2		
CoordSys	AllVisible	BubbleSize m
GLOBAL	Yes	2.4384
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		
GLOBAL		

Table: Groups 1 - Definitions, Part 1 of 3

Table: Groups 1 - Definitions, Part 1 of 3							
GroupName	Selection	SectionCut	Steel	Concrete	Aluminum	ColdFormed	Stage
All	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-3	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-6	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-7	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-9	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-10	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-11	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-12	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DXFIN-13	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table: Groups 1 - Definitions, Part 2 of 3

Table: Groups 1 - Definitions, Part 2 of 3

GroupName	Bridge	AutoSeismi c	AutoWind	SelDesSteel	SelDesAlum	SelDesCold	MassWeight
All	Yes	No	No	No	No	No	Yes
DXFIN	Yes	No	No	No	No	No	Yes
DXFIN-1	Yes	No	No	No	No	No	Yes
DXFIN-2	Yes	No	No	No	No	No	Yes
DXFIN-3	Yes	No	No	No	No	No	Yes
DXFIN-4	Yes	No	No	No	No	No	Yes
DXFIN-5	Yes	No	No	No	No	No	Yes
DXFIN-6	Yes	No	No	No	No	No	Yes
DXFIN-7	Yes	No	No	No	No	No	Yes
DXFIN-8	Yes	No	No	No	No	No	Yes
DXFIN-9	Yes	No	No	No	No	No	Yes
DXFIN-10	Yes	No	No	No	No	No	Yes
DXFIN-11	Yes	No	No	No	No	No	Yes
DXFIN-12	Yes	No	No	No	No	No	Yes
DXFIN-13	Yes	No	No	No	No	No	Yes

Table: Groups 1 - Definitions, Part 3 of 3

Table: Groups 1 - Definitions,
Part 3 of 3

GroupName	Color
All	Red
DXFIN	Black
DXFIN-1	Black
DXFIN-2	Black
DXFIN-3	Black
DXFIN-4	Black
DXFIN-5	Black
DXFIN-6	Black
DXFIN-7	Black
DXFIN-8	Black
DXFIN-9	Black
DXFIN-10	Black
DXFIN-11	Black
DXFIN-12	Black
DXFIN-13	Black

Table: Groups 2 - Assignments

Table: Groups 2 - Assignments

GroupName	ObjectType	ObjectLabel
DXFIN-11	Frame	55
DXFIN-11	Frame	56
DXFIN-11	Frame	57
DXFIN-11	Frame	58
DXFIN-11	Frame	59
DXFIN-11	Frame	60
DXFIN-11	Frame	61

Table: Groups 2 - Assignments

GroupName	ObjectType	ObjectLabel
DXFIN-11	Frame	62
DXFIN-11	Frame	63
DXFIN-11	Frame	64
DXFIN-11	Frame	65
DXFIN-11	Frame	66
DXFIN-11	Frame	67
DXFIN-11	Frame	68
DXFIN-11	Frame	69
DXFIN-11	Frame	70
DXFIN-11	Frame	71
DXFIN-11	Frame	72
DXFIN-11	Frame	73
DXFIN-11	Frame	74
DXFIN-11	Frame	75
DXFIN-11	Frame	76
DXFIN-11	Frame	77
DXFIN-11	Frame	78
DXFIN-11	Frame	79
DXFIN-11	Frame	464
DXFIN-11	Frame	465
DXFIN-11	Frame	466
DXFIN-11	Frame	467
DXFIN-11	Frame	468
DXFIN-11	Frame	469
DXFIN-12	Frame	55
DXFIN-12	Frame	56
DXFIN-12	Frame	57
DXFIN-12	Frame	58
DXFIN-12	Frame	59
DXFIN-12	Frame	60
DXFIN-12	Frame	61
DXFIN-12	Frame	62
DXFIN-12	Frame	63
DXFIN-12	Frame	64
DXFIN-12	Frame	65
DXFIN-12	Frame	66
DXFIN-12	Frame	67
DXFIN-12	Frame	68
DXFIN-12	Frame	69
DXFIN-12	Frame	70
DXFIN-12	Frame	71
DXFIN-12	Frame	72
DXFIN-12	Frame	73
DXFIN-12	Frame	74
DXFIN-12	Frame	75
DXFIN-12	Frame	76
DXFIN-12	Frame	77
DXFIN-12	Frame	78
DXFIN-12	Frame	79
DXFIN-12	Frame	80
DXFIN-12	Frame	81
DXFIN-12	Frame	82
DXFIN-12	Frame	83
DXFIN-12	Frame	84

Table: Groups 2 - Assignments

GroupName	ObjectType	ObjectLabel
DXFIN-12	Frame	464
DXFIN-12	Frame	465
DXFIN-12	Frame	466
DXFIN-12	Frame	467
DXFIN-12	Frame	468
DXFIN-12	Frame	469
DXFIN-13	Frame	464
DXFIN-13	Frame	465
DXFIN-13	Frame	466
DXFIN-13	Frame	467
DXFIN-13	Frame	468
DXFIN-13	Frame	469

Table: Joint Coordinates, Part 1 of 2

Table: Joint Coordinates, Part 1 of 2							
Joint	CoordSys	CoordType	XorR	Y	Z	SpecialJt	GlobalX
			m	m	m		m
1	GLOBAL	Cartesian	0.5	0	2.225	No	0.5
2	GLOBAL	Cartesian	-10	0	2.5	No	-10
3	GLOBAL	Cartesian	0	0	10	No	0
4	GLOBAL	Cartesian	40	0	10	No	40
5	GLOBAL	Cartesian	59.28131	0	-4.46098	No	59.28131
6	GLOBAL	Cartesian	39.5	0	2.225	No	39.5
8	GLOBAL	Cartesian	20	0	4.455	No	20
28	GLOBAL	Cartesian	18.5	0	4.48398	No	18.5
30	GLOBAL	Cartesian	17	0	4.57103	No	17
32	GLOBAL	Cartesian	15.5	0	4.71656	No	15.5
34	GLOBAL	Cartesian	14	0	4.92123	No	14
36	GLOBAL	Cartesian	12.5	0	5.18598	No	12.5
38	GLOBAL	Cartesian	11	0	5.5121	No	11
40	GLOBAL	Cartesian	9.5	0	5.90117	No	9.5
42	GLOBAL	Cartesian	8	0	6.35519	No	8
44	GLOBAL	Cartesian	21.5	0	4.48398	No	21.5
46	GLOBAL	Cartesian	23	0	4.57103	No	23
48	GLOBAL	Cartesian	24.5	0	4.71656	No	24.5
50	GLOBAL	Cartesian	26	0	4.92123	No	26
52	GLOBAL	Cartesian	27.5	0	5.18598	No	27.5
54	GLOBAL	Cartesian	29	0	5.5121	No	29
56	GLOBAL	Cartesian	30.5	0	5.90117	No	30.5
58	GLOBAL	Cartesian	32	0	6.35519	No	32
60	GLOBAL	Cartesian	33.5	0	6.87659	No	33.5
62	GLOBAL	Cartesian	35	0	7.46831	No	35
64	GLOBAL	Cartesian	36.5	0	8.1339	No	36.5
66	GLOBAL	Cartesian	38	0	8.87764	No	38
67	GLOBAL	Cartesian	39.5	0	9.70473	No	39.5
69	GLOBAL	Cartesian	6.5	0	6.87659	No	6.5
71	GLOBAL	Cartesian	5	0	7.46831	No	5
73	GLOBAL	Cartesian	3.5	0	8.1339	No	3.5
75	GLOBAL	Cartesian	2	0	8.87764	No	2
76	GLOBAL	Cartesian	0.5	0	9.70473	No	0.5
79	GLOBAL	Cartesian	2	0	2.225	No	2
80	GLOBAL	Cartesian	3.5	0	2.225	No	3.5

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
81	GLOBAL	Cartesian	5	0	2.225	No	5
82	GLOBAL	Cartesian	6.5	0	2.225	No	6.5
83	GLOBAL	Cartesian	8	0	2.225	No	8
84	GLOBAL	Cartesian	9.5	0	2.225	No	9.5
85	GLOBAL	Cartesian	11	0	2.225	No	11
86	GLOBAL	Cartesian	12.5	0	2.225	No	12.5
87	GLOBAL	Cartesian	14	0	2.225	No	14
88	GLOBAL	Cartesian	15.5	0	2.225	No	15.5
89	GLOBAL	Cartesian	17	0	2.225	No	17
90	GLOBAL	Cartesian	18.5	0	2.225	No	18.5
91	GLOBAL	Cartesian	20	0	2.225	No	20
92	GLOBAL	Cartesian	21.5	0	2.225	No	21.5
93	GLOBAL	Cartesian	23	0	2.225	No	23
94	GLOBAL	Cartesian	24.5	0	2.225	No	24.5
95	GLOBAL	Cartesian	26	0	2.225	No	26
96	GLOBAL	Cartesian	27.5	0	2.225	No	27.5
97	GLOBAL	Cartesian	29	0	2.225	No	29
98	GLOBAL	Cartesian	30.5	0	2.225	No	30.5
99	GLOBAL	Cartesian	32	0	2.225	No	32
100	GLOBAL	Cartesian	33.5	0	2.225	No	33.5
101	GLOBAL	Cartesian	35	0	2.225	No	35
102	GLOBAL	Cartesian	36.5	0	2.225	No	36.5
103	GLOBAL	Cartesian	38	0	2.225	No	38
164	GLOBAL	Cartesian	0.5	2.7	2.225	No	0.5
165	GLOBAL	Cartesian	-10	2.7	2.5	No	-10
166	GLOBAL	Cartesian	0	2.7	10	No	0
167	GLOBAL	Cartesian	40	2.7	10	No	40
168	GLOBAL	Cartesian	59.28131	2.7	-4.46098	No	59.28131
169	GLOBAL	Cartesian	39.5	2.7	2.225	No	39.5
170	GLOBAL	Cartesian	20	2.7	4.455	No	20
171	GLOBAL	Cartesian	18.5	2.7	4.48398	No	18.5
172	GLOBAL	Cartesian	17	2.7	4.57103	No	17
173	GLOBAL	Cartesian	15.5	2.7	4.71656	No	15.5
174	GLOBAL	Cartesian	14	2.7	4.92123	No	14
175	GLOBAL	Cartesian	12.5	2.7	5.18598	No	12.5
176	GLOBAL	Cartesian	11	2.7	5.5121	No	11
177	GLOBAL	Cartesian	9.5	2.7	5.90117	No	9.5
178	GLOBAL	Cartesian	8	2.7	6.35519	No	8
179	GLOBAL	Cartesian	21.5	2.7	4.48398	No	21.5
180	GLOBAL	Cartesian	23	2.7	4.57103	No	23
181	GLOBAL	Cartesian	24.5	2.7	4.71656	No	24.5
182	GLOBAL	Cartesian	26	2.7	4.92123	No	26
183	GLOBAL	Cartesian	27.5	2.7	5.18598	No	27.5
184	GLOBAL	Cartesian	29	2.7	5.5121	No	29
185	GLOBAL	Cartesian	30.5	2.7	5.90117	No	30.5
186	GLOBAL	Cartesian	32	2.7	6.35519	No	32
187	GLOBAL	Cartesian	33.5	2.7	6.87659	No	33.5
188	GLOBAL	Cartesian	35	2.7	7.46831	No	35
189	GLOBAL	Cartesian	36.5	2.7	8.1339	No	36.5
190	GLOBAL	Cartesian	38	2.7	8.87764	No	38
191	GLOBAL	Cartesian	39.5	2.7	9.70473	No	39.5
192	GLOBAL	Cartesian	6.5	2.7	6.87659	No	6.5
193	GLOBAL	Cartesian	5	2.7	7.46831	No	5
194	GLOBAL	Cartesian	3.5	2.7	8.1339	No	3.5

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
195	GLOBAL	Cartesian	2	2.7	8.87764	No	2
196	GLOBAL	Cartesian	0.5	2.7	9.70473	No	0.5
199	GLOBAL	Cartesian	2	2.7	2.225	No	2
200	GLOBAL	Cartesian	3.5	2.7	2.225	No	3.5
201	GLOBAL	Cartesian	5	2.7	2.225	No	5
202	GLOBAL	Cartesian	6.5	2.7	2.225	No	6.5
203	GLOBAL	Cartesian	8	2.7	2.225	No	8
204	GLOBAL	Cartesian	9.5	2.7	2.225	No	9.5
205	GLOBAL	Cartesian	11	2.7	2.225	No	11
206	GLOBAL	Cartesian	12.5	2.7	2.225	No	12.5
207	GLOBAL	Cartesian	14	2.7	2.225	No	14
208	GLOBAL	Cartesian	15.5	2.7	2.225	No	15.5
209	GLOBAL	Cartesian	17	2.7	2.225	No	17
210	GLOBAL	Cartesian	18.5	2.7	2.225	No	18.5
211	GLOBAL	Cartesian	20	2.7	2.225	No	20
212	GLOBAL	Cartesian	21.5	2.7	2.225	No	21.5
213	GLOBAL	Cartesian	23	2.7	2.225	No	23
214	GLOBAL	Cartesian	24.5	2.7	2.225	No	24.5
215	GLOBAL	Cartesian	26	2.7	2.225	No	26
216	GLOBAL	Cartesian	27.5	2.7	2.225	No	27.5
217	GLOBAL	Cartesian	29	2.7	2.225	No	29
218	GLOBAL	Cartesian	30.5	2.7	2.225	No	30.5
219	GLOBAL	Cartesian	32	2.7	2.225	No	32
220	GLOBAL	Cartesian	33.5	2.7	2.225	No	33.5
221	GLOBAL	Cartesian	35	2.7	2.225	No	35
222	GLOBAL	Cartesian	36.5	2.7	2.225	No	36.5
223	GLOBAL	Cartesian	38	2.7	2.225	No	38
224	GLOBAL	Cartesian	0.5	-0.1	2.225	Yes	0.5
225	GLOBAL	Cartesian	39.5	-0.1	2.225	Yes	39.5
226	GLOBAL	Cartesian	39.5	2.8	2.225	Yes	39.5
227	GLOBAL	Cartesian	0.5	2.8	2.225	Yes	0.5
228	GLOBAL	Cartesian	2	-0.1	2.225	No	2
229	GLOBAL	Cartesian	2	2.8	2.225	No	2
230	GLOBAL	Cartesian	3.5	-0.1	2.225	No	3.5
231	GLOBAL	Cartesian	3.5	2.8	2.225	No	3.5
232	GLOBAL	Cartesian	5	-0.1	2.225	No	5
233	GLOBAL	Cartesian	5	2.8	2.225	No	5
234	GLOBAL	Cartesian	6.5	-0.1	2.225	No	6.5
235	GLOBAL	Cartesian	6.5	2.8	2.225	No	6.5
236	GLOBAL	Cartesian	8	-0.1	2.225	No	8
237	GLOBAL	Cartesian	8	2.8	2.225	No	8
238	GLOBAL	Cartesian	9.5	-0.1	2.225	No	9.5
239	GLOBAL	Cartesian	9.5	2.8	2.225	No	9.5
240	GLOBAL	Cartesian	11	-0.1	2.225	No	11
241	GLOBAL	Cartesian	11	2.8	2.225	No	11
242	GLOBAL	Cartesian	12.5	-0.1	2.225	No	12.5
243	GLOBAL	Cartesian	12.5	2.8	2.225	No	12.5
244	GLOBAL	Cartesian	14	-0.1	2.225	No	14
245	GLOBAL	Cartesian	14	2.8	2.225	No	14
246	GLOBAL	Cartesian	15.5	-0.1	2.225	No	15.5
247	GLOBAL	Cartesian	15.5	2.8	2.225	No	15.5
248	GLOBAL	Cartesian	17	-0.1	2.225	No	17
249	GLOBAL	Cartesian	17	2.8	2.225	No	17
250	GLOBAL	Cartesian	18.5	-0.1	2.225	No	18.5

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
251	GLOBAL	Cartesian	18.5	2.8	2.225	No	18.5
252	GLOBAL	Cartesian	20	-0.1	2.225	No	20
253	GLOBAL	Cartesian	20	2.8	2.225	No	20
254	GLOBAL	Cartesian	21.5	-0.1	2.225	No	21.5
255	GLOBAL	Cartesian	21.5	2.8	2.225	No	21.5
256	GLOBAL	Cartesian	23	-0.1	2.225	No	23
257	GLOBAL	Cartesian	23	2.8	2.225	No	23
258	GLOBAL	Cartesian	24.5	-0.1	2.225	No	24.5
259	GLOBAL	Cartesian	24.5	2.8	2.225	No	24.5
260	GLOBAL	Cartesian	26	-0.1	2.225	No	26
261	GLOBAL	Cartesian	26	2.8	2.225	No	26
262	GLOBAL	Cartesian	27.5	-0.1	2.225	No	27.5
263	GLOBAL	Cartesian	27.5	2.8	2.225	No	27.5
264	GLOBAL	Cartesian	29	-0.1	2.225	No	29
265	GLOBAL	Cartesian	29	2.8	2.225	No	29
266	GLOBAL	Cartesian	30.5	-0.1	2.225	No	30.5
267	GLOBAL	Cartesian	30.5	2.8	2.225	No	30.5
268	GLOBAL	Cartesian	32	-0.1	2.225	No	32
269	GLOBAL	Cartesian	32	2.8	2.225	No	32
270	GLOBAL	Cartesian	33.5	-0.1	2.225	No	33.5
271	GLOBAL	Cartesian	33.5	2.8	2.225	No	33.5
272	GLOBAL	Cartesian	35	-0.1	2.225	No	35
273	GLOBAL	Cartesian	35	2.8	2.225	No	35
274	GLOBAL	Cartesian	36.5	-0.1	2.225	No	36.5
275	GLOBAL	Cartesian	36.5	2.8	2.225	No	36.5
276	GLOBAL	Cartesian	38	-0.1	2.225	No	38
277	GLOBAL	Cartesian	38	2.8	2.225	No	38
278	GLOBAL	Cartesian	0.5	0.3	2.225	Yes	0.5
279	GLOBAL	Cartesian	39.5	0.3	2.225	Yes	39.5
332	GLOBAL	Cartesian	39.5	1.35	2.225	No	39.5
333	GLOBAL	Cartesian	0.5	1.35	2.225	No	0.5
334	GLOBAL	Cartesian	39.5	2.4	2.225	No	39.5
335	GLOBAL	Cartesian	0.5	2.4	2.225	No	0.5
336	GLOBAL	Cartesian	0	0	7.6	No	0
337	GLOBAL	Cartesian	0	2.7	7.6	No	0
338	GLOBAL	Cartesian	40	0	7.6	No	40
339	GLOBAL	Cartesian	40	2.7	7.6	No	40
340	GLOBAL	Cartesian	40	0	2.35	No	40
341	GLOBAL	Cartesian	40	2.7	2.35	No	40
342	GLOBAL	Cartesian	40	0	-2.9	No	40
343	GLOBAL	Cartesian	40	2.7	-2.9	No	40
344	GLOBAL	Cartesian	2	0.3	2.225	No	2
345	GLOBAL	Cartesian	2	1.35	2.225	No	2
346	GLOBAL	Cartesian	2	2.4	2.225	No	2
347	GLOBAL	Cartesian	3.5	0.3	2.225	No	3.5
348	GLOBAL	Cartesian	3.5	1.35	2.225	No	3.5
349	GLOBAL	Cartesian	3.5	2.4	2.225	No	3.5
350	GLOBAL	Cartesian	5	0.3	2.225	No	5
351	GLOBAL	Cartesian	5	1.35	2.225	No	5
352	GLOBAL	Cartesian	5	2.4	2.225	No	5
353	GLOBAL	Cartesian	6.5	0.3	2.225	No	6.5
354	GLOBAL	Cartesian	6.5	1.35	2.225	No	6.5
355	GLOBAL	Cartesian	6.5	2.4	2.225	No	6.5
356	GLOBAL	Cartesian	8	0.3	2.225	No	8

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
357	GLOBAL	Cartesian	8	1.35	2.225	No	8
358	GLOBAL	Cartesian	8	2.4	2.225	No	8
359	GLOBAL	Cartesian	9.5	0.3	2.225	No	9.5
360	GLOBAL	Cartesian	9.5	1.35	2.225	No	9.5
361	GLOBAL	Cartesian	9.5	2.4	2.225	No	9.5
362	GLOBAL	Cartesian	11	0.3	2.225	No	11
363	GLOBAL	Cartesian	11	1.35	2.225	No	11
364	GLOBAL	Cartesian	11	2.4	2.225	No	11
365	GLOBAL	Cartesian	12.5	0.3	2.225	No	12.5
366	GLOBAL	Cartesian	12.5	1.35	2.225	No	12.5
367	GLOBAL	Cartesian	12.5	2.4	2.225	No	12.5
368	GLOBAL	Cartesian	14	0.3	2.225	No	14
369	GLOBAL	Cartesian	14	1.35	2.225	No	14
370	GLOBAL	Cartesian	14	2.4	2.225	No	14
371	GLOBAL	Cartesian	15.5	0.3	2.225	No	15.5
372	GLOBAL	Cartesian	15.5	1.35	2.225	No	15.5
373	GLOBAL	Cartesian	15.5	2.4	2.225	No	15.5
374	GLOBAL	Cartesian	17	0.3	2.225	No	17
375	GLOBAL	Cartesian	17	1.35	2.225	No	17
376	GLOBAL	Cartesian	17	2.4	2.225	No	17
377	GLOBAL	Cartesian	18.5	0.3	2.225	No	18.5
378	GLOBAL	Cartesian	18.5	1.35	2.225	No	18.5
379	GLOBAL	Cartesian	18.5	2.4	2.225	No	18.5
380	GLOBAL	Cartesian	20	0.3	2.225	No	20
381	GLOBAL	Cartesian	20	1.35	2.225	No	20
382	GLOBAL	Cartesian	20	2.4	2.225	No	20
383	GLOBAL	Cartesian	21.5	0.3	2.225	No	21.5
384	GLOBAL	Cartesian	21.5	1.35	2.225	No	21.5
385	GLOBAL	Cartesian	21.5	2.4	2.225	No	21.5
386	GLOBAL	Cartesian	23	0.3	2.225	No	23
387	GLOBAL	Cartesian	23	1.35	2.225	No	23
388	GLOBAL	Cartesian	23	2.4	2.225	No	23
389	GLOBAL	Cartesian	24.5	0.3	2.225	No	24.5
390	GLOBAL	Cartesian	24.5	1.35	2.225	No	24.5
391	GLOBAL	Cartesian	24.5	2.4	2.225	No	24.5
392	GLOBAL	Cartesian	26	0.3	2.225	No	26
393	GLOBAL	Cartesian	26	1.35	2.225	No	26
394	GLOBAL	Cartesian	26	2.4	2.225	No	26
395	GLOBAL	Cartesian	27.5	0.3	2.225	No	27.5
396	GLOBAL	Cartesian	27.5	1.35	2.225	No	27.5
397	GLOBAL	Cartesian	27.5	2.4	2.225	No	27.5
398	GLOBAL	Cartesian	29	0.3	2.225	No	29
399	GLOBAL	Cartesian	29	1.35	2.225	No	29
400	GLOBAL	Cartesian	29	2.4	2.225	No	29
401	GLOBAL	Cartesian	30.5	0.3	2.225	No	30.5
402	GLOBAL	Cartesian	30.5	1.35	2.225	No	30.5
403	GLOBAL	Cartesian	30.5	2.4	2.225	No	30.5
404	GLOBAL	Cartesian	32	0.3	2.225	No	32
405	GLOBAL	Cartesian	32	1.35	2.225	No	32
406	GLOBAL	Cartesian	32	2.4	2.225	No	32
407	GLOBAL	Cartesian	33.5	0.3	2.225	No	33.5
408	GLOBAL	Cartesian	33.5	1.35	2.225	No	33.5
409	GLOBAL	Cartesian	33.5	2.4	2.225	No	33.5
410	GLOBAL	Cartesian	35	0.3	2.225	No	35

Table: Joint Coordinates, Part 1 of 2

Joint	CoordSys	CoordType	XorR m	Y m	Z m	SpecialJt	GlobalX m
411	GLOBAL	Cartesian	35	1.35	2.225	No	35
412	GLOBAL	Cartesian	35	2.4	2.225	No	35
413	GLOBAL	Cartesian	36.5	0.3	2.225	No	36.5
414	GLOBAL	Cartesian	36.5	1.35	2.225	No	36.5
415	GLOBAL	Cartesian	36.5	2.4	2.225	No	36.5
416	GLOBAL	Cartesian	38	0.3	2.225	No	38
417	GLOBAL	Cartesian	38	1.35	2.225	No	38
418	GLOBAL	Cartesian	38	2.4	2.225	No	38
BASE T1 P1	GLOBAL	Cartesian	0	2.7	0	No	0
BASE T1 P2	GLOBAL	Cartesian	0	0	0	No	0
BASE T2 P1	GLOBAL	Cartesian	40	2.7	-6.49998	No	40
BASE T2 P2	GLOBAL	Cartesian	40	0	-6.49998	No	40

Table: Joint Coordinates, Part 2 of 2

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
1	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
2	0	2.5	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
3	0	10	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
4	0	10	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
5	0	-4.46098	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
6	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
8	0	4.455	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
28	0	4.48398	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
30	0	4.57103	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
32	0	4.71656	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
34	0	4.92123	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
36	0	5.18598	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
38	0	5.5121	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
40	0	5.90117	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
42	0	6.35519	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
44	0	4.48398	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
46	0	4.57103	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
48	0	4.71656	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
50	0	4.92123	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
52	0	5.18598	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
54	0	5.5121	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
56	0	5.90117	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
58	0	6.35519	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
60	0	6.87659	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
62	0	7.46831	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
64	0	8.1339	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
66	0	8.87764	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
67	0	9.70473	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
69	0	6.87659	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
71	0	7.46831	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
73	0	8.1339	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
75	0	8.87764	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
76	0	9.70473	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
79	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
80	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
81	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
82	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
83	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
84	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
85	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
86	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
87	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
88	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
89	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
90	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
91	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
92	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
93	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
94	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
95	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
96	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
97	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
98	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
99	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
100	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
101	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
102	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
103	0	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
164	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
165	2.7	2.5	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
166	2.7	10	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
167	2.7	10	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
168	2.7	-4.46098	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
169	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
170	2.7	4.455	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
171	2.7	4.48398	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
172	2.7	4.57103	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
173	2.7	4.71656	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
174	2.7	4.92123	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
175	2.7	5.18598	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
176	2.7	5.5121	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
177	2.7	5.90117	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
178	2.7	6.35519	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
179	2.7	4.48398	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
180	2.7	4.57103	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
181	2.7	4.71656	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
182	2.7	4.92123	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
183	2.7	5.18598	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
184	2.7	5.5121	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
185	2.7	5.90117	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
186	2.7	6.35519	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
187	2.7	6.87659	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
188	2.7	7.46831	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
189	2.7	8.1339	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
190	2.7	8.87764	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
191	2.7	9.70473	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
192	2.7	6.87659	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
193	2.7	7.46831	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
194	2.7	8.1339	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
195	2.7	8.87764	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
196	2.7	9.70473	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
199	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
200	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
201	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
202	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
203	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
204	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
205	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
206	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
207	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
208	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
209	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
210	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
211	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
212	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
213	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
214	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
215	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
216	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
217	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
218	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
219	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
220	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
221	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
222	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
223	2.7	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
224	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
225	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
226	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
227	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
228	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
229	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
230	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
231	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
232	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
233	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
234	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
235	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
236	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
237	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
238	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
239	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
240	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
241	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
242	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
243	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
244	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
245	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
246	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
247	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
248	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
249	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
250	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
251	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
252	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
253	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
254	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
255	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
256	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
257	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
258	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
259	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
260	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
261	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
262	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
263	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
264	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
265	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
266	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
267	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
268	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
269	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
270	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
271	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
272	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
273	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
274	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
275	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
276	-0.1	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
277	2.8	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
278	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
279	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
332	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
333	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
334	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
335	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
336	0	7.6	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
337	2.7	7.6	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
338	0	7.6	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
339	2.7	7.6	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
340	0	2.35	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
341	2.7	2.35	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
342	0	-2.9	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
343	2.7	-2.9	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
344	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
345	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
346	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
347	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
348	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
349	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
350	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
351	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
352	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
353	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
354	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
355	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
356	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
357	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
358	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
359	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
360	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
361	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
362	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
363	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
364	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
365	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
366	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
367	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
368	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
369	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
370	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
371	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
372	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
373	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
374	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
375	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
376	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
377	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
378	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
379	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
380	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
381	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
382	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
383	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
384	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
385	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
386	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
387	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
388	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
389	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
390	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
391	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
392	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
393	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
394	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
395	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
396	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
397	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
398	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
399	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
400	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
401	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
402	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
403	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
404	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
405	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
406	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
407	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
408	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
409	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
410	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
411	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
412	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
413	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
414	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
415	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
416	0.3	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
417	1.35	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
418	2.4	2.225	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Coordinates, Part 2 of 2

Joint	GlobalY m	GlobalZ m	GUID
BASE T1 P1	2.7	0	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
BASE T1 P2	0	0	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
BASE T2 P1	2.7	-6.49998	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b
BASE T2 P2	0	-6.49998	fa345fd1-9f5d-496e-ad0f-29e9f25adc6b

Table: Joint Pattern Definitions

Table: Joint Pattern Definitions
Pattern
Default

Table: Joint Restraint Assignments

Table: Joint Restraint Assignments						
Joint	U1	U2	U3	R1	R2	R3
1	No	No	Yes	No	No	No
2	Yes	Yes	Yes	Yes	Yes	Yes
3	No	No	Yes	No	No	No
4	No	No	Yes	No	No	No
5	Yes	Yes	Yes	Yes	Yes	Yes
6	No	No	Yes	No	No	No
79	No	No	Yes	No	No	No
80	No	No	Yes	No	No	No
81	No	No	Yes	No	No	No
82	No	No	Yes	No	No	No
83	No	No	Yes	No	No	No
84	No	No	Yes	No	No	No
85	No	No	Yes	No	No	No
86	No	No	Yes	No	No	No
87	No	No	Yes	No	No	No
88	No	No	Yes	No	No	No
89	No	No	Yes	No	No	No
90	No	No	Yes	No	No	No
91	No	No	Yes	No	No	No
92	No	No	Yes	No	No	No
93	No	No	Yes	No	No	No
94	No	No	Yes	No	No	No
95	No	No	Yes	No	No	No
96	No	No	Yes	No	No	No
97	No	No	Yes	No	No	No
98	No	No	Yes	No	No	No
99	No	No	Yes	No	No	No
100	No	No	Yes	No	No	No
101	No	No	Yes	No	No	No
102	No	No	Yes	No	No	No
103	No	No	Yes	No	No	No

Table: Joint Restraint Assignments

Joint	U1	U2	U3	R1	R2	R3
164	No	No	Yes	No	No	No
165	Yes	Yes	Yes	Yes	Yes	Yes
166	No	No	Yes	No	No	No
167	No	No	Yes	No	No	No
168	Yes	Yes	Yes	Yes	Yes	Yes
169	No	No	Yes	No	No	No
199	No	No	Yes	No	No	No
200	No	No	Yes	No	No	No
201	No	No	Yes	No	No	No
202	No	No	Yes	No	No	No
203	No	No	Yes	No	No	No
204	No	No	Yes	No	No	No
205	No	No	Yes	No	No	No
206	No	No	Yes	No	No	No
207	No	No	Yes	No	No	No
208	No	No	Yes	No	No	No
209	No	No	Yes	No	No	No
210	No	No	Yes	No	No	No
211	No	No	Yes	No	No	No
212	No	No	Yes	No	No	No
213	No	No	Yes	No	No	No
214	No	No	Yes	No	No	No
215	No	No	Yes	No	No	No
216	No	No	Yes	No	No	No
217	No	No	Yes	No	No	No
218	No	No	Yes	No	No	No
219	No	No	Yes	No	No	No
220	No	No	Yes	No	No	No
221	No	No	Yes	No	No	No
222	No	No	Yes	No	No	No
223	No	No	Yes	No	No	No
BASE T1 P1	Yes	Yes	Yes	Yes	Yes	Yes
BASE T1 P2	Yes	Yes	Yes	Yes	Yes	Yes
BASE T2 P1	Yes	Yes	Yes	Yes	Yes	Yes
BASE T2 P2	Yes	Yes	Yes	Yes	Yes	Yes

Table: Link Property Definitions 01 - General, Part 1 of 3

Table: Link Property Definitions 01 - General, Part 1 of 3

Link	LinkType	Mass Tonf-s2/m	Weight Tonf	RotInert1 Tonf-m-s2	RotInert2 Tonf-m-s2	RotInert3 Tonf-m-s2	DefLength m
LINK1	Linear	0	0	0	0	0	1

Table: Link Property Definitions 01 - General, Part 2 of 3

Table: Link Property Definitions 01 - General, Part 2 of 3

Link	DefArea m2	PDM2I	PDM2J	PDM3I	PDM3J	Color
LINK1	1	0	0	0	0	Magenta

Table: Link Property Definitions 01 - General, Part 3 of 3

Table: Link Property Definitions 01 - General, Part 3 of 3		
Link	GUID	Notes
LINK1	dd4ca385-88eb-41bb-b102-33d183b5086b	Added 15/08/2016 08:08:47 p.m.

Table: Link Property Definitions 02 - Linear

Table: Link Property Definitions 02 - Linear				
Link	DOF	Fixed	TransKE Tonf/m	TransCE Tonf-s/m
LINK1	U1	No	1	0

Table: Load Case Definitions, Part 1 of 3

Table: Load Case Definitions, Part 1 of 3							
Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesTypeOpt	DesignType
DEAD	LinStatic	Zero				Prog Det	DEAD
MODAL	LinModal	Zero				Prog Det	OTHER
LIVE	LinStatic	Zero				Prog Det	LIVE
GRANIZO	LinStatic	Zero				Prog Det	SNOW
SX	LinRespSpec		MODAL			Prog Det	QUAKE
SY	LinRespSpec		MODAL			Prog Det	QUAKE
VIENTOX	LinStatic	Zero				Prog Det	WIND
VIENTOY	LinStatic	Zero				Prog Det	WIND

Table: Load Case Definitions, Part 2 of 3

Table: Load Case Definitions, Part 2 of 3						
Case	DesActOpt	DesignAct	AutoType	RunCase	CaseStatus	GUID
DEAD	Prog Det	Non-Composite	None	Yes	Not Run	
MODAL	Prog Det	Other	None	Yes	Not Run	
LIVE	Prog Det	Short-Term Composite	None	Yes	Not Run	
GRANIZO	Prog Det	Short-Term Composite	None	Yes	Not Run	
SX	Prog Det	Short-Term Composite	None	Yes	Not Run	
SY	Prog Det	Short-Term Composite	None	Yes	Not Run	
VIENTOX	Prog Det	Short-Term Composite	None	Yes	Not Run	
VIENTOY	Prog Det	Short-Term Composite	None	Yes	Not Run	

Table: Load Case Definitions, Part 3 of 3

Table: Load Case Definitions, Part 3 of 3	
Case	Notes
DEAD	

Table: Load Case Definitions, Part 3 of 3

Case	Notes
MODAL	
LIVE	
GRANIZO	
SX	
SY	
VIENTOX	
VIENTOY	

Table: Load Pattern Definitions

Table: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad	GUID	Notes
DEAD	DEAD	1		effed477-20c3-42a7-8be1-576369fc8285	

Table: Mass Source

Table: Mass Source

MassSource	Elements	Masses	Loads	IsDefault	LoadPat	Multiplier
MASS	Yes	Yes	Yes	Yes	DEAD	1

Table: Material Properties 01 - General, Part 1 of 2

Table: Material Properties 01 - General, Part 1 of 2

Material	Type	SymType	TempDepen d	Color	GUID
4000Psi	Concrete	Isotropic	No	Green	
A1011G50	ColdFormed	Isotropic	No	Green	
A416Gr270	Tendon	Uniaxial	No	Green	
A500GC	Steel	Isotropic	No	Green	
A615Gr60	Rebar	Uniaxial	No	Magenta	

Table: Material Properties 01 - General, Part 2 of 2

Table: Material Properties 01 - General, Part 2 of 2

Material	Notes
4000Psi	United States Customary fc 4000 psi added 16/08/2016 19:21:27
A1011G50	ASTM A653 SQ Grade 50 16/06/2020 12:59:07 p.m.
A416Gr270	ASTM A416 Grade 270 16/08/2016 19:03:06
A500GC	Steel added 26/08/2016 10:48:18 AM
A615Gr60	ASTM A615 Grade 60 30/08/2016 8:03:27 PM

Table: Material Properties 02 - Basic Mechanical Properties

Table: Material Properties 02 - Basic Mechanical Properties						
Material	UnitWeight Tonf/m3	UnitMass Tonf-s2/m4	E1 Tonf/m2	G12 Tonf/m2	U12	A1 1/C
4000Psi	2.402769665 13304	0.245014307 299924	2534563.54	1056068.14	0.2	9.899999527 93124E-06
A1011G50	7.849047572 36607	0.800380070 68661	20740554	7977136.15	0.3	1.169999944 21006E-05
A416Gr270	7.849047572 36607	0.800380070 68661	20037484.34			1.169999944 21006E-05
A500GC	7.849047572 36607	0.800380070 68661	20389019.16	7841930.45	0.3	1.169999944 21006E-05
A615Gr60	7.849047572 36607	0.800380070 68661	20389019.16			1.169999944 21006E-05

Table: Material Properties 03a - Steel Data, Part 1 of 2

Table: Material Properties 03a - Steel Data, Part 1 of 2								
Material	Fy Tonf/m2	Fu Tonf/m2	EffFy Tonf/m2	EffFu Tonf/m2	SSCurveOpt	SSHysType	SHard	SMax
A500GC	35000	41000	35000	41000	Simple	Kinematic	0.015	0.11

Table: Material Properties 03a - Steel Data, Part 2 of 2

Table: Material Properties 03a - Steel Data, Part 2 of 2		
Material	SRup	FinalSlope
A500GC	0.17	-0.1

Table: Material Properties 03b - Concrete Data, Part 1 of 2

Table: Material Properties 03b - Concrete Data, Part 1 of 2								
Material	Fc Tonf/m2	LtWtConc	SSCurveOpt	SSHysType	SFc	SCap	FinalSlope	FAngle Degrees
4000Psi	2812.28	No	Mander	Takeda	0.002219	0.005	-0.1	0

Table: Material Properties 03b - Concrete Data, Part 2 of 2

Table: Material Properties 03b - Concrete Data, Part 2 of 2	
Material	DAngle Degrees
4000Psi	0

Table: Material Properties 03d - Cold Formed Data

Table: Material Properties 03d - Cold Formed Data			
Material	Fy Tonf/m2	Fu Tonf/m2	SSHysType
A1011G50	35000	43680	Kinematic

Table: Material Properties 03e - Rebar Data, Part 1 of 2

Table: Material Properties 03e - Rebar Data, Part 1 of 2

Material	Fy Tonf/m2	Fu Tonf/m2	EffFy Tonf/m2	EffFu Tonf/m2	SSCurveOpt	SSHysType	SHard	SCap
A615Gr60	42184.18	63276.27	46402.6	69603.89	Simple	Kinematic	0.01	0.09

Table: Material Properties 03e - Rebar Data, Part 2 of 2

Table: Material Properties 03e - Rebar
Data, Part 2 of 2

Material	FinalSlope	UseCTDef
A615Gr60	-0.1	No

Table: Material Properties 03f - Tendon Data

Table: Material Properties 03f - Tendon Data

Material	Fy Tonf/m2	Fu Tonf/m2	SSCurveOpt	SSHysType	FinalSlope
A416Gr270	261798.94	189828.8	270 ksi	Kinematic	-0.1

Table: Material Properties 04 - User Stress-Strain Curves

Table: Material Properties 04 - User Stress-Strain Curves

Material	Point	Strain	Stress Tonf/m2	PointID
A1011G50	1	-0.116439	0	
A1011G50	2	-0.099563	-35000	-E
A1011G50	3	-0.079651	-45500	-D
A1011G50	4	-0.049782	-45500	-C
A1011G50	5	-0.019913	-35000	
A1011G50	6	-0.001688	-35000	-B
A1011G50	7	0	0	A
A1011G50	8	0.001688	35000	B
A1011G50	9	0.019913	35000	
A1011G50	10	0.049782	45500	C
A1011G50	11	0.079651	45500	D
A1011G50	12	0.099563	35000	E
A1011G50	13	0.116439	0	

Table: Material Properties 06 - Damping Parameters

Table: Material Properties 06 - Damping Parameters

Material	ModalRatio	VisMass 1/Sec	VisStiff Sec	HysMass 1/Sec2	HysStiff
4000Psi	0	0	0	0	0
A1011G50	0	0	0	0	0
A416Gr270	0	0	0	0	0
A500GC	0	0	0	0	0
A615Gr60	0	0	0	0	0

Table: Options - Colors - Display, Part 1 of 4

Table: Options - Colors - Display, Part 1 of 4

DeviceType	Points	LinesFrame	LinesFrmDL	LinesCable	LinesTendon	SpringLinks	Restraints
Screen	Blue	Blue	Blue	Green	Green	Green	Green
Printer	Gray8Dark	Black	Gray4	Black	Black	Gray8Dark	Gray8Dark
Color Printer	Blue	Blue	Blue	Green	Green	Green	Green

Table: Options - Colors - Display, Part 2 of 4

Table: Options - Colors - Display, Part 2 of 4

Releases	Axes	Text	ShadowLines	GuideLines	Highlight	Selection	AreaFillBot	AreaFillTop
Green	Cyan	Black	Gray8Dark	Gray8Dark	Red	10504778	Red	16744703
Gray4	Black	Black	Gray4	Gray4	Black	Black	Gray4	Gray8Dark
Green	Cyan	Black	Gray8Dark	Gray8Dark	Red	10504778	Red	16744703

Table: Options - Colors - Display, Part 3 of 4

Table: Options - Colors - Display, Part 3 of 4

AreaFillSd	AreaEdge	SolidF1	SolidF2	SolidF3	SolidF4	SolidF5	SolidF6	SolidEdge
Red	DarkRed	Red	Blue	Green	Yellow	White	Cyan	DarkRed
Gray4	Black	Gray1Light	Gray2	Gray3	Gray4	Gray5	Gray6	Black
Red	DarkRed	Red	Blue	Green	Yellow	White	Cyan	DarkRed

Table: Options - Colors - Display, Part 4 of 4

Table: Options - Colors - Display, Part 4 of 4

Floor	Background	BGLowLeft	BGLowRight	BGUpRight	Darkness
Gray4	White	White	White	White	0.5
Gray4	White	White	White	White	0.5
Gray4	White	White	White	White	0.5

Table: Options - Colors - Output, Part 1 of 4

Table: Options - Colors - Output, Part 1 of 4

DeviceType	Contour1	Contour2	Contour3	Contour4	Contour5	Contour6	Contour7
Screen	13107400	6553828	Red	16639	Orange	43775	54527
Printer	Black	3158064	4210752	5263440	6316128	7368816	Gray8Dark
Color Printer	13107400	6553828	Red	16639	Orange	43775	54527

Table: Options - Colors - Output, Part 2 of 4

Table: Options - Colors - Output, Part 2 of 4

Contour8	Contour9	Contour10	Contour11	Contour12	Contour13	Contour14	Contour15	Transpare
Yellow	65408	Green	8453888	Cyan	16755200	16733440	Blue	0.5

Table: Options - Colors - Output, Part 2 of 4

Contour8	Contour9	Contour10	Contour11	Contour12	Contour13	Contour14	Contour15	Transpare
Gray7	Gray6	Gray5	Gray4	Gray3	Gray2	Gray1Light	White	0
Yellow	65408	Green	8453888	Cyan	16755200	16733440	Blue	0

Table: Options - Colors - Output, Part 3 of 4

Table: Options - Colors - Output, Part 3 of 4

Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	RatioNotD	RatioNotC	RatioVal1	RatioVal2
Cyan	Green	Yellow	Orange	Red	Gray4	Red	0.5	0.7
Gray2	Gray4	Gray8Dark	4210752	Black	Gray4	Black	0.5	0.7
Cyan	Green	Yellow	Orange	Red	Gray4	Red	0.5	0.7

Table: Options - Colors - Output, Part 4 of 4

Table: Options - Colors - Output, Part 4 of 4

RatioVal3	RatioVal4	DFillPos	DFillNeg	DFillRPos	DFillRNeg
0.9	1	Blue	Red	Green	Green
0.9	1	Gray8Dark	Gray8Dark	4210752	4210752
0.9	1	Blue	Red	Green	Green

Table: Overwrites - Concrete Design - ACI 318-14, Part 1 of 2

Table: Overwrites - Concrete Design - ACI 318-14, Part 1 of 2

Frame	DesignSect	FrameType	RLLF	XLMajor	XLMinor	XKMajor
458	Program Determined	Program Determined	0	0	0	
459	Program Determined	Program Determined	0	0	0	
460	Program Determined	Program Determined	0	0	0	
461	Program Determined	Program Determined	0	0	0	
462	Program Determined	Program Determined	0	0	0	
463	Program Determined	Program Determined	0	0	0	
464	Program Determined	Program Determined	0	0	0	0
465	Program Determined	Program Determined	0	0	0	0
466	Program Determined	Program Determined	0	0	0	0
467	Program Determined	Program Determined	0	0	0	0
468	Program Determined	Program Determined	0	0	0	0
469	Program Determined	Program Determined	0	0	0	0
470	Program Determined	Program Determined	0	0	0	0
471	Program Determined	Program Determined	0	0	0	0
472	Program Determined	Program Determined	0	0	0	0
473	Program Determined	Program Determined	0	0	0	0
474	Program Determined	Program Determined	0	0	0	0
475	Program Determined	Program Determined	0	0	0	0

Table: Overwrites - Concrete Design - ACI 318-14, Part 2 of 2

Table: Overwrites - Concrete Design - ACI 318-14, Part 2 of 2

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
458							

Table: Overwrites - Concrete Design - ACI 318-14, Part 2 of 2

Frame	XKMinor	CmMajor	CmMinor	DnsMajor	DnsMinor	DsMajor	DsMinor
459							
460							
461							
462							
463							
464	0	0	0	0	0	0	0
465	0	0	0	0	0	0	0
466	0	0	0	0	0	0	0
467	0	0	0	0	0	0	0
468	0	0	0	0	0	0	0
469	0	0	0	0	0	0	0
470	0	0	0	0	0	0	0
471	0	0	0	0	0	0	0
472	0	0	0	0	0	0	0
473	0	0	0	0	0	0	0
474	0	0	0	0	0	0	0
475	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 1 of 7

Table: Overwrites - Steel Design - AISC 360-10, Part 1 of 7

Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XLMajor
348	Program Determined	Program Determined	0	0	0	0
350	Program Determined	Program Determined	0	0	0	0
351	Program Determined	Program Determined	0	0	0	0
353	Program Determined	Program Determined	0	0	0	0
354	Program Determined	Program Determined	0	0	0	0
356	Program Determined	Program Determined	0	0	0	0
357	Program Determined	Program Determined	0	0	0	0
359	Program Determined	Program Determined	0	0	0	0
360	Program Determined	Program Determined	0	0	0	0
362	Program Determined	Program Determined	0	0	0	0
363	Program Determined	Program Determined	0	0	0	0
365	Program Determined	Program Determined	0	0	0	0
366	Program Determined	Program Determined	0	0	0	0
368	Program Determined	Program Determined	0	0	0	0
369	Program Determined	Program Determined	0	0	0	0
371	Program Determined	Program Determined	0	0	0	0
372	Program Determined	Program Determined	0	0	0	0
374	Program Determined	Program Determined	0	0	0	0
375	Program Determined	Program Determined	0	0	0	0
377	Program Determined	Program Determined	0	0	0	0
378	Program Determined	Program Determined	0	0	0	0
380	Program Determined	Program Determined	0	0	0	0
381	Program Determined	Program Determined	0	0	0	0
383	Program Determined	Program Determined	0	0	0	0
384	Program Determined	Program Determined	0	0	0	0
386	Program Determined	Program Determined	0	0	0	0
387	Program Determined	Program Determined	0	0	0	0
389	Program Determined	Program Determined	0	0	0	0
390	Program Determined	Program Determined	0	0	0	0
392	Program Determined	Program Determined	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 1 of 7

Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XMLMajor
393	Program Determined	Program Determined	0	0	0	0
395	Program Determined	Program Determined	0	0	0	0
396	Program Determined	Program Determined	0	0	0	0
398	Program Determined	Program Determined	0	0	0	0
399	Program Determined	Program Determined	0	0	0	0
401	Program Determined	Program Determined	0	0	0	0
402	Program Determined	Program Determined	0	0	0	0
404	Program Determined	Program Determined	0	0	0	0
405	Program Determined	Program Determined	0	0	0	0
407	Program Determined	Program Determined	0	0	0	0
408	Program Determined	Program Determined	0	0	0	0
410	Program Determined	Program Determined	0	0	0	0
411	Program Determined	Program Determined	0	0	0	0
413	Program Determined	Program Determined	0	0	0	0
414	Program Determined	Program Determined	0	0	0	0
416	Program Determined	Program Determined	0	0	0	0
417	Program Determined	Program Determined	0	0	0	0
419	Program Determined	Program Determined	0	0	0	0
420	Program Determined	Program Determined	0	0	0	0
422	Program Determined	Program Determined	0	0	0	0
423	Program Determined	Program Determined	0	0	0	0
425	Program Determined	Program Determined	0	0	0	0
426	Program Determined	Program Determined	0	0	0	0
428	Program Determined	Program Determined	0	0	0	0
476	Program Determined	Program Determined	0	0	0	0
477	Program Determined	Program Determined	0	0	0	0
478	Program Determined	Program Determined	0	0	0	0
479	Program Determined	Program Determined	0	0	0	0
480	Program Determined	Program Determined	0	0	0	0
481	Program Determined	Program Determined	0	0	0	0
482	Program Determined	Program Determined	0	0	0	0
483	Program Determined	Program Determined	0	0	0	0
484	Program Determined	Program Determined	0	0	0	0
485	Program Determined	Program Determined	0	0	0	0
486	Program Determined	Program Determined	0	0	0	0
487	Program Determined	Program Determined	0	0	0	0
488	Program Determined	Program Determined	0	0	0	0
489	Program Determined	Program Determined	0	0	0	0
490	Program Determined	Program Determined	0	0	0	0
491	Program Determined	Program Determined	0	0	0	0
492	Program Determined	Program Determined	0	0	0	0
493	Program Determined	Program Determined	0	0	0	0
494	Program Determined	Program Determined	0	0	0	0
495	Program Determined	Program Determined	0	0	0	0
496	Program Determined	Program Determined	0	0	0	0
497	Program Determined	Program Determined	0	0	0	0
498	Program Determined	Program Determined	0	0	0	0
499	Program Determined	Program Determined	0	0	0	0
500	Program Determined	Program Determined	0	0	0	0
501	Program Determined	Program Determined	0	0	0	0
502	Program Determined	Program Determined	0	0	0	0
503	Program Determined	Program Determined	0	0	0	0
504	Program Determined	Program Determined	0	0	0	0
505	Program Determined	Program Determined	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 1 of 7

Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XMLMajor
506	Program Determined	Program Determined	0	0	0	0
507	Program Determined	Program Determined	0	0	0	0
508	Program Determined	Program Determined	0	0	0	0
509	Program Determined	Program Determined	0	0	0	0
510	Program Determined	Program Determined	0	0	0	0
511	Program Determined	Program Determined	0	0	0	0
512	Program Determined	Program Determined	0	0	0	0
513	Program Determined	Program Determined	0	0	0	0
514	Program Determined	Program Determined	0	0	0	0
515	Program Determined	Program Determined	0	0	0	0
516	Program Determined	Program Determined	0	0	0	0
517	Program Determined	Program Determined	0	0	0	0
518	Program Determined	Program Determined	0	0	0	0
519	Program Determined	Program Determined	0	0	0	0
520	Program Determined	Program Determined	0	0	0	0
521	Program Determined	Program Determined	0	0	0	0
522	Program Determined	Program Determined	0	0	0	0
523	Program Determined	Program Determined	0	0	0	0
524	Program Determined	Program Determined	0	0	0	0
525	Program Determined	Program Determined	0	0	0	0
526	Program Determined	Program Determined	0	0	0	0
527	Program Determined	Program Determined	0	0	0	0
528	Program Determined	Program Determined	0	0	0	0
529	Program Determined	Program Determined	0	0	0	0
530	Program Determined	Program Determined	0	0	0	0
531	Program Determined	Program Determined	0	0	0	0
532	Program Determined	Program Determined	0	0	0	0
533	Program Determined	Program Determined	0	0	0	0
534	Program Determined	Program Determined	0	0	0	0
535	Program Determined	Program Determined	0	0	0	0
536	Program Determined	Program Determined	0	0	0	0
537	Program Determined	Program Determined	0	0	0	0
538	Program Determined	Program Determined	0	0	0	0
539	Program Determined	Program Determined	0	0	0	0
540	Program Determined	Program Determined	0	0	0	0
541	Program Determined	Program Determined	0	0	0	0
542	Program Determined	Program Determined	0	0	0	0
543	Program Determined	Program Determined	0	0	0	0
544	Program Determined	Program Determined	0	0	0	0
545	Program Determined	Program Determined	0	0	0	0
546	Program Determined	Program Determined	0	0	0	0
547	Program Determined	Program Determined	0	0	0	0
548	Program Determined	Program Determined	0	0	0	0
549	Program Determined	Program Determined	0	0	0	0
550	Program Determined	Program Determined	0	0	0	0
551	Program Determined	Program Determined	0	0	0	0
552	Program Determined	Program Determined	0	0	0	0
553	Program Determined	Program Determined	0	0	0	0
554	Program Determined	Program Determined	0	0	0	0
555	Program Determined	Program Determined	0	0	0	0
556	Program Determined	Program Determined	0	0	0	0
557	Program Determined	Program Determined	0	0	0	0
558	Program Determined	Program Determined	0	0	0	0
559	Program Determined	Program Determined	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 1 of 7

Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XMLMajor
560	Program Determined	Program Determined	0	0	0	0
561	Program Determined	Program Determined	0	0	0	0
562	Program Determined	Program Determined	0	0	0	0
563	Program Determined	Program Determined	0	0	0	0
564	Program Determined	Program Determined	0	0	0	0
565	Program Determined	Program Determined	0	0	0	0
566	Program Determined	Program Determined	0	0	0	0
567	Program Determined	Program Determined	0	0	0	0
568	Program Determined	Program Determined	0	0	0	0
569	Program Determined	Program Determined	0	0	0	0
570	Program Determined	Program Determined	0	0	0	0
571	Program Determined	Program Determined	0	0	0	0
572	Program Determined	Program Determined	0	0	0	0
573	Program Determined	Program Determined	0	0	0	0
574	Program Determined	Program Determined	0	0	0	0
575	Program Determined	Program Determined	0	0	0	0
576	Program Determined	Program Determined	0	0	0	0
577	Program Determined	Program Determined	0	0	0	0
578	Program Determined	Program Determined	0	0	0	0
579	Program Determined	Program Determined	0	0	0	0
580	Program Determined	Program Determined	0	0	0	0
581	Program Determined	Program Determined	0	0	0	0
582	Program Determined	Program Determined	0	0	0	0
583	Program Determined	Program Determined	0	0	0	0
584	Program Determined	Program Determined	0	0	0	0
585	Program Determined	Program Determined	0	0	0	0
586	Program Determined	Program Determined	0	0	0	0
587	Program Determined	Program Determined	0	0	0	0
588	Program Determined	Program Determined	0	0	0	0
589	Program Determined	Program Determined	0	0	0	0
590	Program Determined	Program Determined	0	0	0	0
591	Program Determined	Program Determined	0	0	0	0
592	Program Determined	Program Determined	0	0	0	0
593	Program Determined	Program Determined	0	0	0	0
594	Program Determined	Program Determined	0	0	0	0
595	Program Determined	Program Determined	0	0	0	0
596	Program Determined	Program Determined	0	0	0	0
597	Program Determined	Program Determined	0	0	0	0
598	Program Determined	Program Determined	0	0	0	0
599	Program Determined	Program Determined	0	0	0	0
600	Program Determined	Program Determined	0	0	0	0
601	Program Determined	Program Determined	0	0	0	0
602	Program Determined	Program Determined	0	0	0	0
603	Program Determined	Program Determined	0	0	0	0
604	Program Determined	Program Determined	0	0	0	0
605	Program Determined	Program Determined	0	0	0	0
606	Program Determined	Program Determined	0	0	0	0
607	Program Determined	Program Determined	0	0	0	0
608	Program Determined	Program Determined	0	0	0	0
609	Program Determined	Program Determined	0	0	0	0
610	Program Determined	Program Determined	0	0	0	0
611	Program Determined	Program Determined	0	0	0	0
612	Program Determined	Program Determined	0	0	0	0
613	Program Determined	Program Determined	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 1 of 7

Frame	DesignSect	FrameType	Fy Tonf/m2	RLLF	AreaRatio	XLMajor
614	Program Determined	Program Determined	0	0	0	0
615	Program Determined	Program Determined	0	0	0	0
616	Program Determined	Program Determined	0	0	0	0
617	Program Determined	Program Determined	0	0	0	0
618	Program Determined	Program Determined	0	0	0	0
619	Program Determined	Program Determined	0	0	0	0
620	Program Determined	Program Determined	0	0	0	0
621	Program Determined	Program Determined	0	0	0	0
622	Program Determined	Program Determined	0	0	0	0
623	Program Determined	Program Determined	0	0	0	0
624	Program Determined	Program Determined	0	0	0	0
625	Program Determined	Program Determined	0	0	0	0
626	Program Determined	Program Determined	0	0	0	0
627	Program Determined	Program Determined	0	0	0	0
628	Program Determined	Program Determined	0	0	0	0
629	Program Determined	Program Determined	0	0	0	0
630	Program Determined	Program Determined	0	0	0	0
631	Program Determined	Program Determined	0	0	0	0
632	Program Determined	Program Determined	0	0	0	0
633	Program Determined	Program Determined	0	0	0	0
634	Program Determined	Program Determined	0	0	0	0
635	Program Determined	Program Determined	0	0	0	0
636	Program Determined	Program Determined	0	0	0	0
637	Program Determined	Program Determined	0	0	0	0
638	Program Determined	Program Determined	0	0	0	0
639	Program Determined	Program Determined	0	0	0	0
640	Program Determined	Program Determined	0	0	0	0
641	Program Determined	Program Determined	0	0	0	0
642	Program Determined	Program Determined	0	0	0	0
643	Program Determined	Program Determined	0	0	0	0
644	Program Determined	Program Determined	0	0	0	0
645	Program Determined	Program Determined	0	0	0	0
646	Program Determined	Program Determined	0	0	0	0
647	Program Determined	Program Determined	0	0	0	0
648	Program Determined	Program Determined	0	0	0	0
649	Program Determined	Program Determined	0	0	0	0
650	Program Determined	Program Determined	0	0	0	0
651	Program Determined	Program Determined	0	0	0	0
652	Program Determined	Program Determined	0	0	0	0
653	Program Determined	Program Determined	0	0	0	0
654	Program Determined	Program Determined	0	0	0	0
655	Program Determined	Program Determined	0	0	0	0
656	Program Determined	Program Determined	0	0	0	0
657	Program Determined	Program Determined	0	0	0	0
658	Program Determined	Program Determined	0	0	0	0
659	Program Determined	Program Determined	0	0	0	0
660	Program Determined	Program Determined	0	0	0	0
661	Program Determined	Program Determined	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 2 of 7

Table: Overwrites - Steel Design - AISC 360-10, Part 2 of 7							
Frame	XLMinor	XLLTB	K1Major	K1Minor	K2Major	K2Minor	KLTB
348	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0
351	0	0	0	0	0	0	0
353	0	0	0	0	0	0	0
354	0	0	0	0	0	0	0
356	0	0	0	0	0	0	0
357	0	0	0	0	0	0	0
359	0	0	0	0	0	0	0
360	0	0	0	0	0	0	0
362	0	0	0	0	0	0	0
363	0	0	0	0	0	0	0
365	0	0	0	0	0	0	0
366	0	0	0	0	0	0	0
368	0	0	0	0	0	0	0
369	0	0	0	0	0	0	0
371	0	0	0	0	0	0	0
372	0	0	0	0	0	0	0
374	0	0	0	0	0	0	0
375	0	0	0	0	0	0	0
377	0	0	0	0	0	0	0
378	0	0	0	0	0	0	0
380	0	0	0	0	0	0	0
381	0	0	0	0	0	0	0
383	0	0	0	0	0	0	0
384	0	0	0	0	0	0	0
386	0	0	0	0	0	0	0
387	0	0	0	0	0	0	0
389	0	0	0	0	0	0	0
390	0	0	0	0	0	0	0
392	0	0	0	0	0	0	0
393	0	0	0	0	0	0	0
395	0	0	0	0	0	0	0
396	0	0	0	0	0	0	0
398	0	0	0	0	0	0	0
399	0	0	0	0	0	0	0
401	0	0	0	0	0	0	0
402	0	0	0	0	0	0	0
404	0	0	0	0	0	0	0
405	0	0	0	0	0	0	0
407	0	0	0	0	0	0	0
408	0	0	0	0	0	0	0
410	0	0	0	0	0	0	0
411	0	0	0	0	0	0	0
413	0	0	0	0	0	0	0
414	0	0	0	0	0	0	0
416	0	0	0	0	0	0	0
417	0	0	0	0	0	0	0
419	0	0	0	0	0	0	0
420	0	0	0	0	0	0	0
422	0	0	0	0	0	0	0
423	0	0	0	0	0	0	0
425	0	0	0	0	0	0	0
426	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 2 of 7

Frame	XLMinor	XLLTB	K1Major	K1Minor	K2Major	K2Minor	KLTB
428	0	0	0	0	0	0	0
476	0	0	0	0	0	0	0
477	0	0	0	0	0	0	0
478	0	0	0	0	0	0	0
479	0	0	0	0	0	0	0
480	0	0	0	0	0	0	0
481	0	0	0	0	0	0	0
482	0	0	0	0	0	0	0
483	0	0	0	0	0	0	0
484	0	0	0	0	0	0	0
485	0	0	0	0	0	0	0
486	0	0	0	0	0	0	0
487	0	0	0	0	0	0	0
488	0	0	0	0	0	0	0
489	0	0	0	0	0	0	0
490	0	0	0	0	0	0	0
491	0	0	0	0	0	0	0
492	0	0	0	0	0	0	0
493	0	0	0	0	0	0	0
494	0	0	0	0	0	0	0
495	0	0	0	0	0	0	0
496	0	0	0	0	0	0	0
497	0	0	0	0	0	0	0
498	0	0	0	0	0	0	0
499	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0
501	0	0	0	0	0	0	0
502	0	0	0	0	0	0	0
503	0	0	0	0	0	0	0
504	0	0	0	0	0	0	0
505	0	0	0	0	0	0	0
506	0	0	0	0	0	0	0
507	0	0	0	0	0	0	0
508	0	0	0	0	0	0	0
509	0	0	0	0	0	0	0
510	0	0	0	0	0	0	0
511	0	0	0	0	0	0	0
512	0	0	0	0	0	0	0
513	0	0	0	0	0	0	0
514	0	0	0	0	0	0	0
515	0	0	0	0	0	0	0
516	0	0	0	0	0	0	0
517	0	0	0	0	0	0	0
518	0	0	0	0	0	0	0
519	0	0	0	0	0	0	0
520	0	0	0	0	0	0	0
521	0	0	0	0	0	0	0
522	0	0	0	0	0	0	0
523	0	0	0	0	0	0	0
524	0	0	0	0	0	0	0
525	0	0	0	0	0	0	0
526	0	0	0	0	0	0	0
527	0	0	0	0	0	0	0
528	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 2 of 7

Frame	XLMinor	XLLTB	K1Major	K1Minor	K2Major	K2Minor	KLTB
529	0	0	0	0	0	0	0
530	0	0	0	0	0	0	0
531	0	0	0	0	0	0	0
532	0	0	0	0	0	0	0
533	0	0	0	0	0	0	0
534	0	0	0	0	0	0	0
535	0	0	0	0	0	0	0
536	0	0	0	0	0	0	0
537	0	0	0	0	0	0	0
538	0	0	0	0	0	0	0
539	0	0	0	0	0	0	0
540	0	0	0	0	0	0	0
541	0	0	0	0	0	0	0
542	0	0	0	0	0	0	0
543	0	0	0	0	0	0	0
544	0	0	0	0	0	0	0
545	0	0	0	0	0	0	0
546	0	0	0	0	0	0	0
547	0	0	0	0	0	0	0
548	0	0	0	0	0	0	0
549	0	0	0	0	0	0	0
550	0	0	0	0	0	0	0
551	0	0	0	0	0	0	0
552	0	0	0	0	0	0	0
553	0	0	0	0	0	0	0
554	0	0	0	0	0	0	0
555	0	0	0	0	0	0	0
556	0	0	0	0	0	0	0
557	0	0	0	0	0	0	0
558	0	0	0	0	0	0	0
559	0	0	0	0	0	0	0
560	0	0	0	0	0	0	0
561	0	0	0	0	0	0	0
562	0	0	0	0	0	0	0
563	0	0	0	0	0	0	0
564	0	0	0	0	0	0	0
565	0	0	0	0	0	0	0
566	0	0	0	0	0	0	0
567	0	0	0	0	0	0	0
568	0	0	0	0	0	0	0
569	0	0	0	0	0	0	0
570	0	0	0	0	0	0	0
571	0	0	0	0	0	0	0
572	0	0	0	0	0	0	0
573	0	0	0	0	0	0	0
574	0	0	0	0	0	0	0
575	0	0	0	0	0	0	0
576	0	0	0	0	0	0	0
577	0	0	0	0	0	0	0
578	0	0	0	0	0	0	0
579	0	0	0	0	0	0	0
580	0	0	0	0	0	0	0
581	0	0	0	0	0	0	0
582	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 2 of 7

Frame	XLMinor	XLLTB	K1Major	K1Minor	K2Major	K2Minor	KLTB
583	0	0	0	0	0	0	0
584	0	0	0	0	0	0	0
585	0	0	0	0	0	0	0
586	0	0	0	0	0	0	0
587	0	0	0	0	0	0	0
588	0	0	0	0	0	0	0
589	0	0	0	0	0	0	0
590	0	0	0	0	0	0	0
591	0	0	0	0	0	0	0
592	0	0	0	0	0	0	0
593	0	0	0	0	0	0	0
594	0	0	0	0	0	0	0
595	0	0	0	0	0	0	0
596	0	0	0	0	0	0	0
597	0	0	0	0	0	0	0
598	0	0	0	0	0	0	0
599	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0
601	0	0	0	0	0	0	0
602	0	0	0	0	0	0	0
603	0	0	0	0	0	0	0
604	0	0	0	0	0	0	0
605	0	0	0	0	0	0	0
606	0	0	0	0	0	0	0
607	0	0	0	0	0	0	0
608	0	0	0	0	0	0	0
609	0	0	0	0	0	0	0
610	0	0	0	0	0	0	0
611	0	0	0	0	0	0	0
612	0	0	0	0	0	0	0
613	0	0	0	0	0	0	0
614	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0
616	0	0	0	0	0	0	0
617	0	0	0	0	0	0	0
618	0	0	0	0	0	0	0
619	0	0	0	0	0	0	0
620	0	0	0	0	0	0	0
621	0	0	0	0	0	0	0
622	0	0	0	0	0	0	0
623	0	0	0	0	0	0	0
624	0	0	0	0	0	0	0
625	0	0	0	0	0	0	0
626	0	0	0	0	0	0	0
627	0	0	0	0	0	0	0
628	0	0	0	0	0	0	0
629	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0
631	0	0	0	0	0	0	0
632	0	0	0	0	0	0	0
633	0	0	0	0	0	0	0
634	0	0	0	0	0	0	0
635	0	0	0	0	0	0	0
636	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 2 of 7

Frame	XLMinor	XLLTB	K1Major	K1Minor	K2Major	K2Minor	KLTB
637	0	0	0	0	0	0	0
638	0	0	0	0	0	0	0
639	0	0	0	0	0	0	0
640	0	0	0	0	0	0	0
641	0	0	0	0	0	0	0
642	0	0	0	0	0	0	0
643	0	0	0	0	0	0	0
644	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0
646	0	0	0	0	0	0	0
647	0	0	0	0	0	0	0
648	0	0	0	0	0	0	0
649	0	0	0	0	0	0	0
650	0	0	0	0	0	0	0
651	0	0	0	0	0	0	0
652	0	0	0	0	0	0	0
653	0	0	0	0	0	0	0
654	0	0	0	0	0	0	0
655	0	0	0	0	0	0	0
656	0	0	0	0	0	0	0
657	0	0	0	0	0	0	0
658	0	0	0	0	0	0	0
659	0	0	0	0	0	0	0
660	0	0	0	0	0	0	0
661	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 3 of 7

Table: Overwrites - Steel Design - AISC 360-10, Part 3 of 7

Frame	CmMajor	CmMinor	Cb	B1Major	B1Minor	B2Major	B2Minor
348	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0
351	0	0	0	0	0	0	0
353	0	0	0	0	0	0	0
354	0	0	0	0	0	0	0
356	0	0	0	0	0	0	0
357	0	0	0	0	0	0	0
359	0	0	0	0	0	0	0
360	0	0	0	0	0	0	0
362	0	0	0	0	0	0	0
363	0	0	0	0	0	0	0
365	0	0	0	0	0	0	0
366	0	0	0	0	0	0	0
368	0	0	0	0	0	0	0
369	0	0	0	0	0	0	0
371	0	0	0	0	0	0	0
372	0	0	0	0	0	0	0
374	0	0	0	0	0	0	0
375	0	0	0	0	0	0	0
377	0	0	0	0	0	0	0
378	0	0	0	0	0	0	0
380	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 3 of 7

Frame	CmMajor	CmMinor	Cb	B1Major	B1Minor	B2Major	B2Minor
381	0	0	0	0	0	0	0
383	0	0	0	0	0	0	0
384	0	0	0	0	0	0	0
386	0	0	0	0	0	0	0
387	0	0	0	0	0	0	0
389	0	0	0	0	0	0	0
390	0	0	0	0	0	0	0
392	0	0	0	0	0	0	0
393	0	0	0	0	0	0	0
395	0	0	0	0	0	0	0
396	0	0	0	0	0	0	0
398	0	0	0	0	0	0	0
399	0	0	0	0	0	0	0
401	0	0	0	0	0	0	0
402	0	0	0	0	0	0	0
404	0	0	0	0	0	0	0
405	0	0	0	0	0	0	0
407	0	0	0	0	0	0	0
408	0	0	0	0	0	0	0
410	0	0	0	0	0	0	0
411	0	0	0	0	0	0	0
413	0	0	0	0	0	0	0
414	0	0	0	0	0	0	0
416	0	0	0	0	0	0	0
417	0	0	0	0	0	0	0
419	0	0	0	0	0	0	0
420	0	0	0	0	0	0	0
422	0	0	0	0	0	0	0
423	0	0	0	0	0	0	0
425	0	0	0	0	0	0	0
426	0	0	0	0	0	0	0
428	0	0	0	0	0	0	0
476	0	0	0	0	0	0	0
477	0	0	0	0	0	0	0
478	0	0	0	0	0	0	0
479	0	0	0	0	0	0	0
480	0	0	0	0	0	0	0
481	0	0	0	0	0	0	0
482	0	0	0	0	0	0	0
483	0	0	0	0	0	0	0
484	0	0	0	0	0	0	0
485	0	0	0	0	0	0	0
486	0	0	0	0	0	0	0
487	0	0	0	0	0	0	0
488	0	0	0	0	0	0	0
489	0	0	0	0	0	0	0
490	0	0	0	0	0	0	0
491	0	0	0	0	0	0	0
492	0	0	0	0	0	0	0
493	0	0	0	0	0	0	0
494	0	0	0	0	0	0	0
495	0	0	0	0	0	0	0
496	0	0	0	0	0	0	0
497	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 3 of 7

Frame	CmMajor	CmMinor	Cb	B1Major	B1Minor	B2Major	B2Minor
498	0	0	0	0	0	0	0
499	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0
501	0	0	0	0	0	0	0
502	0	0	0	0	0	0	0
503	0	0	0	0	0	0	0
504	0	0	0	0	0	0	0
505	0	0	0	0	0	0	0
506	0	0	0	0	0	0	0
507	0	0	0	0	0	0	0
508	0	0	0	0	0	0	0
509	0	0	0	0	0	0	0
510	0	0	0	0	0	0	0
511	0	0	0	0	0	0	0
512	0	0	0	0	0	0	0
513	0	0	0	0	0	0	0
514	0	0	0	0	0	0	0
515	0	0	0	0	0	0	0
516	0	0	0	0	0	0	0
517	0	0	0	0	0	0	0
518	0	0	0	0	0	0	0
519	0	0	0	0	0	0	0
520	0	0	0	0	0	0	0
521	0	0	0	0	0	0	0
522	0	0	0	0	0	0	0
523	0	0	0	0	0	0	0
524	0	0	0	0	0	0	0
525	0	0	0	0	0	0	0
526	0	0	0	0	0	0	0
527	0	0	0	0	0	0	0
528	0	0	0	0	0	0	0
529	0	0	0	0	0	0	0
530	0	0	0	0	0	0	0
531	0	0	0	0	0	0	0
532	0	0	0	0	0	0	0
533	0	0	0	0	0	0	0
534	0	0	0	0	0	0	0
535	0	0	0	0	0	0	0
536	0	0	0	0	0	0	0
537	0	0	0	0	0	0	0
538	0	0	0	0	0	0	0
539	0	0	0	0	0	0	0
540	0	0	0	0	0	0	0
541	0	0	0	0	0	0	0
542	0	0	0	0	0	0	0
543	0	0	0	0	0	0	0
544	0	0	0	0	0	0	0
545	0	0	0	0	0	0	0
546	0	0	0	0	0	0	0
547	0	0	0	0	0	0	0
548	0	0	0	0	0	0	0
549	0	0	0	0	0	0	0
550	0	0	0	0	0	0	0
551	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 3 of 7

Frame	CmMajor	CmMinor	Cb	B1Major	B1Minor	B2Major	B2Minor
552	0	0	0	0	0	0	0
553	0	0	0	0	0	0	0
554	0	0	0	0	0	0	0
555	0	0	0	0	0	0	0
556	0	0	0	0	0	0	0
557	0	0	0	0	0	0	0
558	0	0	0	0	0	0	0
559	0	0	0	0	0	0	0
560	0	0	0	0	0	0	0
561	0	0	0	0	0	0	0
562	0	0	0	0	0	0	0
563	0	0	0	0	0	0	0
564	0	0	0	0	0	0	0
565	0	0	0	0	0	0	0
566	0	0	0	0	0	0	0
567	0	0	0	0	0	0	0
568	0	0	0	0	0	0	0
569	0	0	0	0	0	0	0
570	0	0	0	0	0	0	0
571	0	0	0	0	0	0	0
572	0	0	0	0	0	0	0
573	0	0	0	0	0	0	0
574	0	0	0	0	0	0	0
575	0	0	0	0	0	0	0
576	0	0	0	0	0	0	0
577	0	0	0	0	0	0	0
578	0	0	0	0	0	0	0
579	0	0	0	0	0	0	0
580	0	0	0	0	0	0	0
581	0	0	0	0	0	0	0
582	0	0	0	0	0	0	0
583	0	0	0	0	0	0	0
584	0	0	0	0	0	0	0
585	0	0	0	0	0	0	0
586	0	0	0	0	0	0	0
587	0	0	0	0	0	0	0
588	0	0	0	0	0	0	0
589	0	0	0	0	0	0	0
590	0	0	0	0	0	0	0
591	0	0	0	0	0	0	0
592	0	0	0	0	0	0	0
593	0	0	0	0	0	0	0
594	0	0	0	0	0	0	0
595	0	0	0	0	0	0	0
596	0	0	0	0	0	0	0
597	0	0	0	0	0	0	0
598	0	0	0	0	0	0	0
599	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0
601	0	0	0	0	0	0	0
602	0	0	0	0	0	0	0
603	0	0	0	0	0	0	0
604	0	0	0	0	0	0	0
605	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 3 of 7

Frame	CmMajor	CmMinor	Cb	B1Major	B1Minor	B2Major	B2Minor
606	0	0	0	0	0	0	0
607	0	0	0	0	0	0	0
608	0	0	0	0	0	0	0
609	0	0	0	0	0	0	0
610	0	0	0	0	0	0	0
611	0	0	0	0	0	0	0
612	0	0	0	0	0	0	0
613	0	0	0	0	0	0	0
614	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0
616	0	0	0	0	0	0	0
617	0	0	0	0	0	0	0
618	0	0	0	0	0	0	0
619	0	0	0	0	0	0	0
620	0	0	0	0	0	0	0
621	0	0	0	0	0	0	0
622	0	0	0	0	0	0	0
623	0	0	0	0	0	0	0
624	0	0	0	0	0	0	0
625	0	0	0	0	0	0	0
626	0	0	0	0	0	0	0
627	0	0	0	0	0	0	0
628	0	0	0	0	0	0	0
629	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0
631	0	0	0	0	0	0	0
632	0	0	0	0	0	0	0
633	0	0	0	0	0	0	0
634	0	0	0	0	0	0	0
635	0	0	0	0	0	0	0
636	0	0	0	0	0	0	0
637	0	0	0	0	0	0	0
638	0	0	0	0	0	0	0
639	0	0	0	0	0	0	0
640	0	0	0	0	0	0	0
641	0	0	0	0	0	0	0
642	0	0	0	0	0	0	0
643	0	0	0	0	0	0	0
644	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0
646	0	0	0	0	0	0	0
647	0	0	0	0	0	0	0
648	0	0	0	0	0	0	0
649	0	0	0	0	0	0	0
650	0	0	0	0	0	0	0
651	0	0	0	0	0	0	0
652	0	0	0	0	0	0	0
653	0	0	0	0	0	0	0
654	0	0	0	0	0	0	0
655	0	0	0	0	0	0	0
656	0	0	0	0	0	0	0
657	0	0	0	0	0	0	0
658	0	0	0	0	0	0	0
659	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 3 of 7

Frame	CmMajor	CmMinor	Cb	B1Major	B1Minor	B2Major	B2Minor
660	0	0	0	0	0	0	0
661	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc Tonf	Pnt Tonf	Mn3 Tonf-m
348	Program Determined	Program Determined	0	0	0	0	0
350	Program Determined	Program Determined	0	0	0	0	0
351	Program Determined	Program Determined	0	0	0	0	0
353	Program Determined	Program Determined	0	0	0	0	0
354	Program Determined	Program Determined	0	0	0	0	0
356	Program Determined	Program Determined	0	0	0	0	0
357	Program Determined	Program Determined	0	0	0	0	0
359	Program Determined	Program Determined	0	0	0	0	0
360	Program Determined	Program Determined	0	0	0	0	0
362	Program Determined	Program Determined	0	0	0	0	0
363	Program Determined	Program Determined	0	0	0	0	0
365	Program Determined	Program Determined	0	0	0	0	0
366	Program Determined	Program Determined	0	0	0	0	0
368	Program Determined	Program Determined	0	0	0	0	0
369	Program Determined	Program Determined	0	0	0	0	0
371	Program Determined	Program Determined	0	0	0	0	0
372	Program Determined	Program Determined	0	0	0	0	0
374	Program Determined	Program Determined	0	0	0	0	0
375	Program Determined	Program Determined	0	0	0	0	0
377	Program Determined	Program Determined	0	0	0	0	0
378	Program Determined	Program Determined	0	0	0	0	0
380	Program Determined	Program Determined	0	0	0	0	0
381	Program Determined	Program Determined	0	0	0	0	0
383	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc Tonf	Pnt Tonf	Mn3 Tonf-m
384	Program Determined	Program Determined	0	0	0	0	0
386	Program Determined	Program Determined	0	0	0	0	0
387	Program Determined	Program Determined	0	0	0	0	0
389	Program Determined	Program Determined	0	0	0	0	0
390	Program Determined	Program Determined	0	0	0	0	0
392	Program Determined	Program Determined	0	0	0	0	0
393	Program Determined	Program Determined	0	0	0	0	0
395	Program Determined	Program Determined	0	0	0	0	0
396	Program Determined	Program Determined	0	0	0	0	0
398	Program Determined	Program Determined	0	0	0	0	0
399	Program Determined	Program Determined	0	0	0	0	0
401	Program Determined	Program Determined	0	0	0	0	0
402	Program Determined	Program Determined	0	0	0	0	0
404	Program Determined	Program Determined	0	0	0	0	0
405	Program Determined	Program Determined	0	0	0	0	0
407	Program Determined	Program Determined	0	0	0	0	0
408	Program Determined	Program Determined	0	0	0	0	0
410	Program Determined	Program Determined	0	0	0	0	0
411	Program Determined	Program Determined	0	0	0	0	0
413	Program Determined	Program Determined	0	0	0	0	0
414	Program Determined	Program Determined	0	0	0	0	0
416	Program Determined	Program Determined	0	0	0	0	0
417	Program Determined	Program Determined	0	0	0	0	0
419	Program Determined	Program Determined	0	0	0	0	0
420	Program Determined	Program Determined	0	0	0	0	0
422	Program Determined	Program Determined	0	0	0	0	0
423	Program Determined	Program Determined	0	0	0	0	0
425	Program Determined	Program Determined	0	0	0	0	0
426	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc Tonf	Pnt Tonf	Mn3 Tonf-m
428	Program Determined	Program Determined	0	0	0	0	0
476	Program Determined	Program Determined	0	0	0	0	0
477	Program Determined	Program Determined	0	0	0	0	0
478	Program Determined	Program Determined	0	0	0	0	0
479	Program Determined	Program Determined	0	0	0	0	0
480	Program Determined	Program Determined	0	0	0	0	0
481	Program Determined	Program Determined	0	0	0	0	0
482	Program Determined	Program Determined	0	0	0	0	0
483	Program Determined	Program Determined	0	0	0	0	0
484	Program Determined	Program Determined	0	0	0	0	0
485	Program Determined	Program Determined	0	0	0	0	0
486	Program Determined	Program Determined	0	0	0	0	0
487	Program Determined	Program Determined	0	0	0	0	0
488	Program Determined	Program Determined	0	0	0	0	0
489	Program Determined	Program Determined	0	0	0	0	0
490	Program Determined	Program Determined	0	0	0	0	0
491	Program Determined	Program Determined	0	0	0	0	0
492	Program Determined	Program Determined	0	0	0	0	0
493	Program Determined	Program Determined	0	0	0	0	0
494	Program Determined	Program Determined	0	0	0	0	0
495	Program Determined	Program Determined	0	0	0	0	0
496	Program Determined	Program Determined	0	0	0	0	0
497	Program Determined	Program Determined	0	0	0	0	0
498	Program Determined	Program Determined	0	0	0	0	0
499	Program Determined	Program Determined	0	0	0	0	0
500	Program Determined	Program Determined	0	0	0	0	0
501	Program Determined	Program Determined	0	0	0	0	0
502	Program Determined	Program Determined	0	0	0	0	0
503	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc	Pnt	Mn3
					Tonf	Tonf	Tonf-m
504	Program Determined	Program Determined	0	0	0	0	0
505	Program Determined	Program Determined	0	0	0	0	0
506	Program Determined	Program Determined	0	0	0	0	0
507	Program Determined	Program Determined	0	0	0	0	0
508	Program Determined	Program Determined	0	0	0	0	0
509	Program Determined	Program Determined	0	0	0	0	0
510	Program Determined	Program Determined	0	0	0	0	0
511	Program Determined	Program Determined	0	0	0	0	0
512	Program Determined	Program Determined	0	0	0	0	0
513	Program Determined	Program Determined	0	0	0	0	0
514	Program Determined	Program Determined	0	0	0	0	0
515	Program Determined	Program Determined	0	0	0	0	0
516	Program Determined	Program Determined	0	0	0	0	0
517	Program Determined	Program Determined	0	0	0	0	0
518	Program Determined	Program Determined	0	0	0	0	0
519	Program Determined	Program Determined	0	0	0	0	0
520	Program Determined	Program Determined	0	0	0	0	0
521	Program Determined	Program Determined	0	0	0	0	0
522	Program Determined	Program Determined	0	0	0	0	0
523	Program Determined	Program Determined	0	0	0	0	0
524	Program Determined	Program Determined	0	0	0	0	0
525	Program Determined	Program Determined	0	0	0	0	0
526	Program Determined	Program Determined	0	0	0	0	0
527	Program Determined	Program Determined	0	0	0	0	0
528	Program Determined	Program Determined	0	0	0	0	0
529	Program Determined	Program Determined	0	0	0	0	0
530	Program Determined	Program Determined	0	0	0	0	0
531	Program Determined	Program Determined	0	0	0	0	0
532	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc Tonf	Pnt Tonf	Mn3 Tonf-m
533	Program Determined	Program Determined	0	0	0	0	0
534	Program Determined	Program Determined	0	0	0	0	0
535	Program Determined	Program Determined	0	0	0	0	0
536	Program Determined	Program Determined	0	0	0	0	0
537	Program Determined	Program Determined	0	0	0	0	0
538	Program Determined	Program Determined	0	0	0	0	0
539	Program Determined	Program Determined	0	0	0	0	0
540	Program Determined	Program Determined	0	0	0	0	0
541	Program Determined	Program Determined	0	0	0	0	0
542	Program Determined	Program Determined	0	0	0	0	0
543	Program Determined	Program Determined	0	0	0	0	0
544	Program Determined	Program Determined	0	0	0	0	0
545	Program Determined	Program Determined	0	0	0	0	0
546	Program Determined	Program Determined	0	0	0	0	0
547	Program Determined	Program Determined	0	0	0	0	0
548	Program Determined	Program Determined	0	0	0	0	0
549	Program Determined	Program Determined	0	0	0	0	0
550	Program Determined	Program Determined	0	0	0	0	0
551	Program Determined	Program Determined	0	0	0	0	0
552	Program Determined	Program Determined	0	0	0	0	0
553	Program Determined	Program Determined	0	0	0	0	0
554	Program Determined	Program Determined	0	0	0	0	0
555	Program Determined	Program Determined	0	0	0	0	0
556	Program Determined	Program Determined	0	0	0	0	0
557	Program Determined	Program Determined	0	0	0	0	0
558	Program Determined	Program Determined	0	0	0	0	0
559	Program Determined	Program Determined	0	0	0	0	0
560	Program Determined	Program Determined	0	0	0	0	0
561	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc Tonf	Pnt Tonf	Mn3 Tonf-m
562	Program Determined	Program Determined	0	0	0	0	0
563	Program Determined	Program Determined	0	0	0	0	0
564	Program Determined	Program Determined	0	0	0	0	0
565	Program Determined	Program Determined	0	0	0	0	0
566	Program Determined	Program Determined	0	0	0	0	0
567	Program Determined	Program Determined	0	0	0	0	0
568	Program Determined	Program Determined	0	0	0	0	0
569	Program Determined	Program Determined	0	0	0	0	0
570	Program Determined	Program Determined	0	0	0	0	0
571	Program Determined	Program Determined	0	0	0	0	0
572	Program Determined	Program Determined	0	0	0	0	0
573	Program Determined	Program Determined	0	0	0	0	0
574	Program Determined	Program Determined	0	0	0	0	0
575	Program Determined	Program Determined	0	0	0	0	0
576	Program Determined	Program Determined	0	0	0	0	0
577	Program Determined	Program Determined	0	0	0	0	0
578	Program Determined	Program Determined	0	0	0	0	0
579	Program Determined	Program Determined	0	0	0	0	0
580	Program Determined	Program Determined	0	0	0	0	0
581	Program Determined	Program Determined	0	0	0	0	0
582	Program Determined	Program Determined	0	0	0	0	0
583	Program Determined	Program Determined	0	0	0	0	0
584	Program Determined	Program Determined	0	0	0	0	0
585	Program Determined	Program Determined	0	0	0	0	0
586	Program Determined	Program Determined	0	0	0	0	0
587	Program Determined	Program Determined	0	0	0	0	0
588	Program Determined	Program Determined	0	0	0	0	0
589	Program Determined	Program Determined	0	0	0	0	0
590	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc	Pnt	Mn3
					Tonf	Tonf	Tonf-m
591	Program Determined	Program Determined	0	0	0	0	0
592	Program Determined	Program Determined	0	0	0	0	0
593	Program Determined	Program Determined	0	0	0	0	0
594	Program Determined	Program Determined	0	0	0	0	0
595	Program Determined	Program Determined	0	0	0	0	0
596	Program Determined	Program Determined	0	0	0	0	0
597	Program Determined	Program Determined	0	0	0	0	0
598	Program Determined	Program Determined	0	0	0	0	0
599	Program Determined	Program Determined	0	0	0	0	0
600	Program Determined	Program Determined	0	0	0	0	0
601	Program Determined	Program Determined	0	0	0	0	0
602	Program Determined	Program Determined	0	0	0	0	0
603	Program Determined	Program Determined	0	0	0	0	0
604	Program Determined	Program Determined	0	0	0	0	0
605	Program Determined	Program Determined	0	0	0	0	0
606	Program Determined	Program Determined	0	0	0	0	0
607	Program Determined	Program Determined	0	0	0	0	0
608	Program Determined	Program Determined	0	0	0	0	0
609	Program Determined	Program Determined	0	0	0	0	0
610	Program Determined	Program Determined	0	0	0	0	0
611	Program Determined	Program Determined	0	0	0	0	0
612	Program Determined	Program Determined	0	0	0	0	0
613	Program Determined	Program Determined	0	0	0	0	0
614	Program Determined	Program Determined	0	0	0	0	0
615	Program Determined	Program Determined	0	0	0	0	0
616	Program Determined	Program Determined	0	0	0	0	0
617	Program Determined	Program Determined	0	0	0	0	0
618	Program Determined	Program Determined	0	0	0	0	0
619	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc Tonf	Pnt Tonf	Mn3 Tonf-m
620	Program Determined	Program Determined	0	0	0	0	0
621	Program Determined	Program Determined	0	0	0	0	0
622	Program Determined	Program Determined	0	0	0	0	0
623	Program Determined	Program Determined	0	0	0	0	0
624	Program Determined	Program Determined	0	0	0	0	0
625	Program Determined	Program Determined	0	0	0	0	0
626	Program Determined	Program Determined	0	0	0	0	0
627	Program Determined	Program Determined	0	0	0	0	0
628	Program Determined	Program Determined	0	0	0	0	0
629	Program Determined	Program Determined	0	0	0	0	0
630	Program Determined	Program Determined	0	0	0	0	0
631	Program Determined	Program Determined	0	0	0	0	0
632	Program Determined	Program Determined	0	0	0	0	0
633	Program Determined	Program Determined	0	0	0	0	0
634	Program Determined	Program Determined	0	0	0	0	0
635	Program Determined	Program Determined	0	0	0	0	0
636	Program Determined	Program Determined	0	0	0	0	0
637	Program Determined	Program Determined	0	0	0	0	0
638	Program Determined	Program Determined	0	0	0	0	0
639	Program Determined	Program Determined	0	0	0	0	0
640	Program Determined	Program Determined	0	0	0	0	0
641	Program Determined	Program Determined	0	0	0	0	0
642	Program Determined	Program Determined	0	0	0	0	0
643	Program Determined	Program Determined	0	0	0	0	0
644	Program Determined	Program Determined	0	0	0	0	0
645	Program Determined	Program Determined	0	0	0	0	0
646	Program Determined	Program Determined	0	0	0	0	0
647	Program Determined	Program Determined	0	0	0	0	0
648	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 4 of 7

Frame	HSSReduce T	HSSWelding	Omega0	Ry	Pnc Tonf	Pnt Tonf	Mn3 Tonf-m
649	Program Determined	Program Determined	0	0	0	0	0
650	Program Determined	Program Determined	0	0	0	0	0
651	Program Determined	Program Determined	0	0	0	0	0
652	Program Determined	Program Determined	0	0	0	0	0
653	Program Determined	Program Determined	0	0	0	0	0
654	Program Determined	Program Determined	0	0	0	0	0
655	Program Determined	Program Determined	0	0	0	0	0
656	Program Determined	Program Determined	0	0	0	0	0
657	Program Determined	Program Determined	0	0	0	0	0
658	Program Determined	Program Determined	0	0	0	0	0
659	Program Determined	Program Determined	0	0	0	0	0
660	Program Determined	Program Determined	0	0	0	0	0
661	Program Determined	Program Determined	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
348	0	0	0	Program Determined	Program Determined	0	0
350	0	0	0	Program Determined	Program Determined	0	0
351	0	0	0	Program Determined	Program Determined	0	0
353	0	0	0	Program Determined	Program Determined	0	0
354	0	0	0	Program Determined	Program Determined	0	0
356	0	0	0	Program Determined	Program Determined	0	0
357	0	0	0	Program Determined	Program Determined	0	0
359	0	0	0	Program Determined	Program Determined	0	0
360	0	0	0	Program Determined	Program Determined	0	0
362	0	0	0	Program Determined	Program Determined	0	0
363	0	0	0	Program Determined	Program Determined	0	0
365	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
366	0	0	0	Program Determined	Program Determined	0	0
368	0	0	0	Program Determined	Program Determined	0	0
369	0	0	0	Program Determined	Program Determined	0	0
371	0	0	0	Program Determined	Program Determined	0	0
372	0	0	0	Program Determined	Program Determined	0	0
374	0	0	0	Program Determined	Program Determined	0	0
375	0	0	0	Program Determined	Program Determined	0	0
377	0	0	0	Program Determined	Program Determined	0	0
378	0	0	0	Program Determined	Program Determined	0	0
380	0	0	0	Program Determined	Program Determined	0	0
381	0	0	0	Program Determined	Program Determined	0	0
383	0	0	0	Program Determined	Program Determined	0	0
384	0	0	0	Program Determined	Program Determined	0	0
386	0	0	0	Program Determined	Program Determined	0	0
387	0	0	0	Program Determined	Program Determined	0	0
389	0	0	0	Program Determined	Program Determined	0	0
390	0	0	0	Program Determined	Program Determined	0	0
392	0	0	0	Program Determined	Program Determined	0	0
393	0	0	0	Program Determined	Program Determined	0	0
395	0	0	0	Program Determined	Program Determined	0	0
396	0	0	0	Program Determined	Program Determined	0	0
398	0	0	0	Program Determined	Program Determined	0	0
399	0	0	0	Program Determined	Program Determined	0	0
401	0	0	0	Program Determined	Program Determined	0	0
402	0	0	0	Program Determined	Program Determined	0	0
404	0	0	0	Program Determined	Program Determined	0	0
405	0	0	0	Program Determined	Program Determined	0	0
407	0	0	0	Program Determined	Program Determined	0	0
408	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
410	0	0	0	Program Determined	Program Determined	0	0
411	0	0	0	Program Determined	Program Determined	0	0
413	0	0	0	Program Determined	Program Determined	0	0
414	0	0	0	Program Determined	Program Determined	0	0
416	0	0	0	Program Determined	Program Determined	0	0
417	0	0	0	Program Determined	Program Determined	0	0
419	0	0	0	Program Determined	Program Determined	0	0
420	0	0	0	Program Determined	Program Determined	0	0
422	0	0	0	Program Determined	Program Determined	0	0
423	0	0	0	Program Determined	Program Determined	0	0
425	0	0	0	Program Determined	Program Determined	0	0
426	0	0	0	Program Determined	Program Determined	0	0
428	0	0	0	Program Determined	Program Determined	0	0
476	0	0	0	Program Determined	Program Determined	0	0
477	0	0	0	Program Determined	Program Determined	0	0
478	0	0	0	Program Determined	Program Determined	0	0
479	0	0	0	Program Determined	Program Determined	0	0
480	0	0	0	Program Determined	Program Determined	0	0
481	0	0	0	Program Determined	Program Determined	0	0
482	0	0	0	Program Determined	Program Determined	0	0
483	0	0	0	Program Determined	Program Determined	0	0
484	0	0	0	Program Determined	Program Determined	0	0
485	0	0	0	Program Determined	Program Determined	0	0
486	0	0	0	Program Determined	Program Determined	0	0
487	0	0	0	Program Determined	Program Determined	0	0
488	0	0	0	Program Determined	Program Determined	0	0
489	0	0	0	Program Determined	Program Determined	0	0
490	0	0	0	Program Determined	Program Determined	0	0
491	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
492	0	0	0	Program Determined	Program Determined	0	0
493	0	0	0	Program Determined	Program Determined	0	0
494	0	0	0	Program Determined	Program Determined	0	0
495	0	0	0	Program Determined	Program Determined	0	0
496	0	0	0	Program Determined	Program Determined	0	0
497	0	0	0	Program Determined	Program Determined	0	0
498	0	0	0	Program Determined	Program Determined	0	0
499	0	0	0	Program Determined	Program Determined	0	0
500	0	0	0	Program Determined	Program Determined	0	0
501	0	0	0	Program Determined	Program Determined	0	0
502	0	0	0	Program Determined	Program Determined	0	0
503	0	0	0	Program Determined	Program Determined	0	0
504	0	0	0	Program Determined	Program Determined	0	0
505	0	0	0	Program Determined	Program Determined	0	0
506	0	0	0	Program Determined	Program Determined	0	0
507	0	0	0	Program Determined	Program Determined	0	0
508	0	0	0	Program Determined	Program Determined	0	0
509	0	0	0	Program Determined	Program Determined	0	0
510	0	0	0	Program Determined	Program Determined	0	0
511	0	0	0	Program Determined	Program Determined	0	0
512	0	0	0	Program Determined	Program Determined	0	0
513	0	0	0	Program Determined	Program Determined	0	0
514	0	0	0	Program Determined	Program Determined	0	0
515	0	0	0	Program Determined	Program Determined	0	0
516	0	0	0	Program Determined	Program Determined	0	0
517	0	0	0	Program Determined	Program Determined	0	0
518	0	0	0	Program Determined	Program Determined	0	0
519	0	0	0	Program Determined	Program Determined	0	0
520	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
521	0	0	0	Program Determined	Program Determined	0	0
522	0	0	0	Program Determined	Program Determined	0	0
523	0	0	0	Program Determined	Program Determined	0	0
524	0	0	0	Program Determined	Program Determined	0	0
525	0	0	0	Program Determined	Program Determined	0	0
526	0	0	0	Program Determined	Program Determined	0	0
527	0	0	0	Program Determined	Program Determined	0	0
528	0	0	0	Program Determined	Program Determined	0	0
529	0	0	0	Program Determined	Program Determined	0	0
530	0	0	0	Program Determined	Program Determined	0	0
531	0	0	0	Program Determined	Program Determined	0	0
532	0	0	0	Program Determined	Program Determined	0	0
533	0	0	0	Program Determined	Program Determined	0	0
534	0	0	0	Program Determined	Program Determined	0	0
535	0	0	0	Program Determined	Program Determined	0	0
536	0	0	0	Program Determined	Program Determined	0	0
537	0	0	0	Program Determined	Program Determined	0	0
538	0	0	0	Program Determined	Program Determined	0	0
539	0	0	0	Program Determined	Program Determined	0	0
540	0	0	0	Program Determined	Program Determined	0	0
541	0	0	0	Program Determined	Program Determined	0	0
542	0	0	0	Program Determined	Program Determined	0	0
543	0	0	0	Program Determined	Program Determined	0	0
544	0	0	0	Program Determined	Program Determined	0	0
545	0	0	0	Program Determined	Program Determined	0	0
546	0	0	0	Program Determined	Program Determined	0	0
547	0	0	0	Program Determined	Program Determined	0	0
548	0	0	0	Program Determined	Program Determined	0	0
549	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
550	0	0	0	Program Determined	Program Determined	0	0
551	0	0	0	Program Determined	Program Determined	0	0
552	0	0	0	Program Determined	Program Determined	0	0
553	0	0	0	Program Determined	Program Determined	0	0
554	0	0	0	Program Determined	Program Determined	0	0
555	0	0	0	Program Determined	Program Determined	0	0
556	0	0	0	Program Determined	Program Determined	0	0
557	0	0	0	Program Determined	Program Determined	0	0
558	0	0	0	Program Determined	Program Determined	0	0
559	0	0	0	Program Determined	Program Determined	0	0
560	0	0	0	Program Determined	Program Determined	0	0
561	0	0	0	Program Determined	Program Determined	0	0
562	0	0	0	Program Determined	Program Determined	0	0
563	0	0	0	Program Determined	Program Determined	0	0
564	0	0	0	Program Determined	Program Determined	0	0
565	0	0	0	Program Determined	Program Determined	0	0
566	0	0	0	Program Determined	Program Determined	0	0
567	0	0	0	Program Determined	Program Determined	0	0
568	0	0	0	Program Determined	Program Determined	0	0
569	0	0	0	Program Determined	Program Determined	0	0
570	0	0	0	Program Determined	Program Determined	0	0
571	0	0	0	Program Determined	Program Determined	0	0
572	0	0	0	Program Determined	Program Determined	0	0
573	0	0	0	Program Determined	Program Determined	0	0
574	0	0	0	Program Determined	Program Determined	0	0
575	0	0	0	Program Determined	Program Determined	0	0
576	0	0	0	Program Determined	Program Determined	0	0
577	0	0	0	Program Determined	Program Determined	0	0
578	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
579	0	0	0	Program Determined	Program Determined	0	0
580	0	0	0	Program Determined	Program Determined	0	0
581	0	0	0	Program Determined	Program Determined	0	0
582	0	0	0	Program Determined	Program Determined	0	0
583	0	0	0	Program Determined	Program Determined	0	0
584	0	0	0	Program Determined	Program Determined	0	0
585	0	0	0	Program Determined	Program Determined	0	0
586	0	0	0	Program Determined	Program Determined	0	0
587	0	0	0	Program Determined	Program Determined	0	0
588	0	0	0	Program Determined	Program Determined	0	0
589	0	0	0	Program Determined	Program Determined	0	0
590	0	0	0	Program Determined	Program Determined	0	0
591	0	0	0	Program Determined	Program Determined	0	0
592	0	0	0	Program Determined	Program Determined	0	0
593	0	0	0	Program Determined	Program Determined	0	0
594	0	0	0	Program Determined	Program Determined	0	0
595	0	0	0	Program Determined	Program Determined	0	0
596	0	0	0	Program Determined	Program Determined	0	0
597	0	0	0	Program Determined	Program Determined	0	0
598	0	0	0	Program Determined	Program Determined	0	0
599	0	0	0	Program Determined	Program Determined	0	0
600	0	0	0	Program Determined	Program Determined	0	0
601	0	0	0	Program Determined	Program Determined	0	0
602	0	0	0	Program Determined	Program Determined	0	0
603	0	0	0	Program Determined	Program Determined	0	0
604	0	0	0	Program Determined	Program Determined	0	0
605	0	0	0	Program Determined	Program Determined	0	0
606	0	0	0	Program Determined	Program Determined	0	0
607	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2 Tonf-m	Vn2 Tonf	Vn3 Tonf	CheckDefl	DeflType	DLRat	SDLAndLLR at
608	0	0	0	Program Determined	Program Determined	0	0
609	0	0	0	Program Determined	Program Determined	0	0
610	0	0	0	Program Determined	Program Determined	0	0
611	0	0	0	Program Determined	Program Determined	0	0
612	0	0	0	Program Determined	Program Determined	0	0
613	0	0	0	Program Determined	Program Determined	0	0
614	0	0	0	Program Determined	Program Determined	0	0
615	0	0	0	Program Determined	Program Determined	0	0
616	0	0	0	Program Determined	Program Determined	0	0
617	0	0	0	Program Determined	Program Determined	0	0
618	0	0	0	Program Determined	Program Determined	0	0
619	0	0	0	Program Determined	Program Determined	0	0
620	0	0	0	Program Determined	Program Determined	0	0
621	0	0	0	Program Determined	Program Determined	0	0
622	0	0	0	Program Determined	Program Determined	0	0
623	0	0	0	Program Determined	Program Determined	0	0
624	0	0	0	Program Determined	Program Determined	0	0
625	0	0	0	Program Determined	Program Determined	0	0
626	0	0	0	Program Determined	Program Determined	0	0
627	0	0	0	Program Determined	Program Determined	0	0
628	0	0	0	Program Determined	Program Determined	0	0
629	0	0	0	Program Determined	Program Determined	0	0
630	0	0	0	Program Determined	Program Determined	0	0
631	0	0	0	Program Determined	Program Determined	0	0
632	0	0	0	Program Determined	Program Determined	0	0
633	0	0	0	Program Determined	Program Determined	0	0
634	0	0	0	Program Determined	Program Determined	0	0
635	0	0	0	Program Determined	Program Determined	0	0
636	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 5 of 7

Frame	Mn2	Vn2	Vn3	CheckDefl	DeflType	DLRat	SDLAndLLRat
	Tonf-m	Tonf	Tonf				
637	0	0	0	Program Determined	Program Determined	0	0
638	0	0	0	Program Determined	Program Determined	0	0
639	0	0	0	Program Determined	Program Determined	0	0
640	0	0	0	Program Determined	Program Determined	0	0
641	0	0	0	Program Determined	Program Determined	0	0
642	0	0	0	Program Determined	Program Determined	0	0
643	0	0	0	Program Determined	Program Determined	0	0
644	0	0	0	Program Determined	Program Determined	0	0
645	0	0	0	Program Determined	Program Determined	0	0
646	0	0	0	Program Determined	Program Determined	0	0
647	0	0	0	Program Determined	Program Determined	0	0
648	0	0	0	Program Determined	Program Determined	0	0
649	0	0	0	Program Determined	Program Determined	0	0
650	0	0	0	Program Determined	Program Determined	0	0
651	0	0	0	Program Determined	Program Determined	0	0
652	0	0	0	Program Determined	Program Determined	0	0
653	0	0	0	Program Determined	Program Determined	0	0
654	0	0	0	Program Determined	Program Determined	0	0
655	0	0	0	Program Determined	Program Determined	0	0
656	0	0	0	Program Determined	Program Determined	0	0
657	0	0	0	Program Determined	Program Determined	0	0
658	0	0	0	Program Determined	Program Determined	0	0
659	0	0	0	Program Determined	Program Determined	0	0
660	0	0	0	Program Determined	Program Determined	0	0
661	0	0	0	Program Determined	Program Determined	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 6 of 7

Table: Overwrites - Steel Design - AISC 360-10, Part 6 of 7							
Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
348	0	0	0	0	0	0	0
350	0	0	0	0	0	0	0
351	0	0	0	0	0	0	0
353	0	0	0	0	0	0	0
354	0	0	0	0	0	0	0
356	0	0	0	0	0	0	0
357	0	0	0	0	0	0	0
359	0	0	0	0	0	0	0
360	0	0	0	0	0	0	0
362	0	0	0	0	0	0	0
363	0	0	0	0	0	0	0
365	0	0	0	0	0	0	0
366	0	0	0	0	0	0	0
368	0	0	0	0	0	0	0
369	0	0	0	0	0	0	0
371	0	0	0	0	0	0	0
372	0	0	0	0	0	0	0
374	0	0	0	0	0	0	0
375	0	0	0	0	0	0	0
377	0	0	0	0	0	0	0
378	0	0	0	0	0	0	0
380	0	0	0	0	0	0	0
381	0	0	0	0	0	0	0
383	0	0	0	0	0	0	0
384	0	0	0	0	0	0	0
386	0	0	0	0	0	0	0
387	0	0	0	0	0	0	0
389	0	0	0	0	0	0	0
390	0	0	0	0	0	0	0
392	0	0	0	0	0	0	0
393	0	0	0	0	0	0	0
395	0	0	0	0	0	0	0
396	0	0	0	0	0	0	0
398	0	0	0	0	0	0	0
399	0	0	0	0	0	0	0
401	0	0	0	0	0	0	0
402	0	0	0	0	0	0	0
404	0	0	0	0	0	0	0
405	0	0	0	0	0	0	0
407	0	0	0	0	0	0	0
408	0	0	0	0	0	0	0
410	0	0	0	0	0	0	0
411	0	0	0	0	0	0	0
413	0	0	0	0	0	0	0
414	0	0	0	0	0	0	0
416	0	0	0	0	0	0	0
417	0	0	0	0	0	0	0
419	0	0	0	0	0	0	0
420	0	0	0	0	0	0	0
422	0	0	0	0	0	0	0
423	0	0	0	0	0	0	0
425	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 6 of 7

Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
426	0	0	0	0	0	0	0
428	0	0	0	0	0	0	0
476	0	0	0	0	0	0	0
477	0	0	0	0	0	0	0
478	0	0	0	0	0	0	0
479	0	0	0	0	0	0	0
480	0	0	0	0	0	0	0
481	0	0	0	0	0	0	0
482	0	0	0	0	0	0	0
483	0	0	0	0	0	0	0
484	0	0	0	0	0	0	0
485	0	0	0	0	0	0	0
486	0	0	0	0	0	0	0
487	0	0	0	0	0	0	0
488	0	0	0	0	0	0	0
489	0	0	0	0	0	0	0
490	0	0	0	0	0	0	0
491	0	0	0	0	0	0	0
492	0	0	0	0	0	0	0
493	0	0	0	0	0	0	0
494	0	0	0	0	0	0	0
495	0	0	0	0	0	0	0
496	0	0	0	0	0	0	0
497	0	0	0	0	0	0	0
498	0	0	0	0	0	0	0
499	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0
501	0	0	0	0	0	0	0
502	0	0	0	0	0	0	0
503	0	0	0	0	0	0	0
504	0	0	0	0	0	0	0
505	0	0	0	0	0	0	0
506	0	0	0	0	0	0	0
507	0	0	0	0	0	0	0
508	0	0	0	0	0	0	0
509	0	0	0	0	0	0	0
510	0	0	0	0	0	0	0
511	0	0	0	0	0	0	0
512	0	0	0	0	0	0	0
513	0	0	0	0	0	0	0
514	0	0	0	0	0	0	0
515	0	0	0	0	0	0	0
516	0	0	0	0	0	0	0
517	0	0	0	0	0	0	0
518	0	0	0	0	0	0	0
519	0	0	0	0	0	0	0
520	0	0	0	0	0	0	0
521	0	0	0	0	0	0	0
522	0	0	0	0	0	0	0
523	0	0	0	0	0	0	0
524	0	0	0	0	0	0	0
525	0	0	0	0	0	0	0
526	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 6 of 7

Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
527	0	0	0	0	0	0	0
528	0	0	0	0	0	0	0
529	0	0	0	0	0	0	0
530	0	0	0	0	0	0	0
531	0	0	0	0	0	0	0
532	0	0	0	0	0	0	0
533	0	0	0	0	0	0	0
534	0	0	0	0	0	0	0
535	0	0	0	0	0	0	0
536	0	0	0	0	0	0	0
537	0	0	0	0	0	0	0
538	0	0	0	0	0	0	0
539	0	0	0	0	0	0	0
540	0	0	0	0	0	0	0
541	0	0	0	0	0	0	0
542	0	0	0	0	0	0	0
543	0	0	0	0	0	0	0
544	0	0	0	0	0	0	0
545	0	0	0	0	0	0	0
546	0	0	0	0	0	0	0
547	0	0	0	0	0	0	0
548	0	0	0	0	0	0	0
549	0	0	0	0	0	0	0
550	0	0	0	0	0	0	0
551	0	0	0	0	0	0	0
552	0	0	0	0	0	0	0
553	0	0	0	0	0	0	0
554	0	0	0	0	0	0	0
555	0	0	0	0	0	0	0
556	0	0	0	0	0	0	0
557	0	0	0	0	0	0	0
558	0	0	0	0	0	0	0
559	0	0	0	0	0	0	0
560	0	0	0	0	0	0	0
561	0	0	0	0	0	0	0
562	0	0	0	0	0	0	0
563	0	0	0	0	0	0	0
564	0	0	0	0	0	0	0
565	0	0	0	0	0	0	0
566	0	0	0	0	0	0	0
567	0	0	0	0	0	0	0
568	0	0	0	0	0	0	0
569	0	0	0	0	0	0	0
570	0	0	0	0	0	0	0
571	0	0	0	0	0	0	0
572	0	0	0	0	0	0	0
573	0	0	0	0	0	0	0
574	0	0	0	0	0	0	0
575	0	0	0	0	0	0	0
576	0	0	0	0	0	0	0
577	0	0	0	0	0	0	0
578	0	0	0	0	0	0	0
579	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 6 of 7

Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
580	0	0	0	0	0	0	0
581	0	0	0	0	0	0	0
582	0	0	0	0	0	0	0
583	0	0	0	0	0	0	0
584	0	0	0	0	0	0	0
585	0	0	0	0	0	0	0
586	0	0	0	0	0	0	0
587	0	0	0	0	0	0	0
588	0	0	0	0	0	0	0
589	0	0	0	0	0	0	0
590	0	0	0	0	0	0	0
591	0	0	0	0	0	0	0
592	0	0	0	0	0	0	0
593	0	0	0	0	0	0	0
594	0	0	0	0	0	0	0
595	0	0	0	0	0	0	0
596	0	0	0	0	0	0	0
597	0	0	0	0	0	0	0
598	0	0	0	0	0	0	0
599	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0
601	0	0	0	0	0	0	0
602	0	0	0	0	0	0	0
603	0	0	0	0	0	0	0
604	0	0	0	0	0	0	0
605	0	0	0	0	0	0	0
606	0	0	0	0	0	0	0
607	0	0	0	0	0	0	0
608	0	0	0	0	0	0	0
609	0	0	0	0	0	0	0
610	0	0	0	0	0	0	0
611	0	0	0	0	0	0	0
612	0	0	0	0	0	0	0
613	0	0	0	0	0	0	0
614	0	0	0	0	0	0	0
615	0	0	0	0	0	0	0
616	0	0	0	0	0	0	0
617	0	0	0	0	0	0	0
618	0	0	0	0	0	0	0
619	0	0	0	0	0	0	0
620	0	0	0	0	0	0	0
621	0	0	0	0	0	0	0
622	0	0	0	0	0	0	0
623	0	0	0	0	0	0	0
624	0	0	0	0	0	0	0
625	0	0	0	0	0	0	0
626	0	0	0	0	0	0	0
627	0	0	0	0	0	0	0
628	0	0	0	0	0	0	0
629	0	0	0	0	0	0	0
630	0	0	0	0	0	0	0
631	0	0	0	0	0	0	0
632	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 6 of 7

Frame	LLRat	TotalRat	NetRat	DLAbs	SDLAndLLAbs	LLAbs	TotalAbs
				m	m	m	m
633	0	0	0	0	0	0	0
634	0	0	0	0	0	0	0
635	0	0	0	0	0	0	0
636	0	0	0	0	0	0	0
637	0	0	0	0	0	0	0
638	0	0	0	0	0	0	0
639	0	0	0	0	0	0	0
640	0	0	0	0	0	0	0
641	0	0	0	0	0	0	0
642	0	0	0	0	0	0	0
643	0	0	0	0	0	0	0
644	0	0	0	0	0	0	0
645	0	0	0	0	0	0	0
646	0	0	0	0	0	0	0
647	0	0	0	0	0	0	0
648	0	0	0	0	0	0	0
649	0	0	0	0	0	0	0
650	0	0	0	0	0	0	0
651	0	0	0	0	0	0	0
652	0	0	0	0	0	0	0
653	0	0	0	0	0	0	0
654	0	0	0	0	0	0	0
655	0	0	0	0	0	0	0
656	0	0	0	0	0	0	0
657	0	0	0	0	0	0	0
658	0	0	0	0	0	0	0
659	0	0	0	0	0	0	0
660	0	0	0	0	0	0	0
661	0	0	0	0	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 7 of 7

Table: Overwrites - Steel Design - AISC 360-10, Part 7 of 7

Frame	NetAbs	SpecCamber	DCLimit
	m	m	
348	0	0	0
350	0	0	0
351	0	0	0
353	0	0	0
354	0	0	0
356	0	0	0
357	0	0	0
359	0	0	0
360	0	0	0
362	0	0	0
363	0	0	0
365	0	0	0
366	0	0	0
368	0	0	0
369	0	0	0
371	0	0	0
372	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 7 of 7

Frame	NetAbs	SpecCambe r	DCLimit
	m	m	
374	0	0	0
375	0	0	0
377	0	0	0
378	0	0	0
380	0	0	0
381	0	0	0
383	0	0	0
384	0	0	0
386	0	0	0
387	0	0	0
389	0	0	0
390	0	0	0
392	0	0	0
393	0	0	0
395	0	0	0
396	0	0	0
398	0	0	0
399	0	0	0
401	0	0	0
402	0	0	0
404	0	0	0
405	0	0	0
407	0	0	0
408	0	0	0
410	0	0	0
411	0	0	0
413	0	0	0
414	0	0	0
416	0	0	0
417	0	0	0
419	0	0	0
420	0	0	0
422	0	0	0
423	0	0	0
425	0	0	0
426	0	0	0
428	0	0	0
476	0	0	0
477	0	0	0
478	0	0	0
479	0	0	0
480	0	0	0
481	0	0	0
482	0	0	0
483	0	0	0
484	0	0	0
485	0	0	0
486	0	0	0
487	0	0	0
488	0	0	0
489	0	0	0
490	0	0	0
491	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 7 of 7

Frame	NetAbs	SpecCambe r	DCLimit
	m	m	
492	0	0	0
493	0	0	0
494	0	0	0
495	0	0	0
496	0	0	0
497	0	0	0
498	0	0	0
499	0	0	0
500	0	0	0
501	0	0	0
502	0	0	0
503	0	0	0
504	0	0	0
505	0	0	0
506	0	0	0
507	0	0	0
508	0	0	0
509	0	0	0
510	0	0	0
511	0	0	0
512	0	0	0
513	0	0	0
514	0	0	0
515	0	0	0
516	0	0	0
517	0	0	0
518	0	0	0
519	0	0	0
520	0	0	0
521	0	0	0
522	0	0	0
523	0	0	0
524	0	0	0
525	0	0	0
526	0	0	0
527	0	0	0
528	0	0	0
529	0	0	0
530	0	0	0
531	0	0	0
532	0	0	0
533	0	0	0
534	0	0	0
535	0	0	0
536	0	0	0
537	0	0	0
538	0	0	0
539	0	0	0
540	0	0	0
541	0	0	0
542	0	0	0
543	0	0	0
544	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 7 of 7

Frame	NetAbs	SpecCambe r	DCLimit
	m	m	
545	0	0	0
546	0	0	0
547	0	0	0
548	0	0	0
549	0	0	0
550	0	0	0
551	0	0	0
552	0	0	0
553	0	0	0
554	0	0	0
555	0	0	0
556	0	0	0
557	0	0	0
558	0	0	0
559	0	0	0
560	0	0	0
561	0	0	0
562	0	0	0
563	0	0	0
564	0	0	0
565	0	0	0
566	0	0	0
567	0	0	0
568	0	0	0
569	0	0	0
570	0	0	0
571	0	0	0
572	0	0	0
573	0	0	0
574	0	0	0
575	0	0	0
576	0	0	0
577	0	0	0
578	0	0	0
579	0	0	0
580	0	0	0
581	0	0	0
582	0	0	0
583	0	0	0
584	0	0	0
585	0	0	0
586	0	0	0
587	0	0	0
588	0	0	0
589	0	0	0
590	0	0	0
591	0	0	0
592	0	0	0
593	0	0	0
594	0	0	0
595	0	0	0
596	0	0	0
597	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 7 of 7

Frame	NetAbs	SpecCambe r	DCLimit
	m	m	
598	0	0	0
599	0	0	0
600	0	0	0
601	0	0	0
602	0	0	0
603	0	0	0
604	0	0	0
605	0	0	0
606	0	0	0
607	0	0	0
608	0	0	0
609	0	0	0
610	0	0	0
611	0	0	0
612	0	0	0
613	0	0	0
614	0	0	0
615	0	0	0
616	0	0	0
617	0	0	0
618	0	0	0
619	0	0	0
620	0	0	0
621	0	0	0
622	0	0	0
623	0	0	0
624	0	0	0
625	0	0	0
626	0	0	0
627	0	0	0
628	0	0	0
629	0	0	0
630	0	0	0
631	0	0	0
632	0	0	0
633	0	0	0
634	0	0	0
635	0	0	0
636	0	0	0
637	0	0	0
638	0	0	0
639	0	0	0
640	0	0	0
641	0	0	0
642	0	0	0
643	0	0	0
644	0	0	0
645	0	0	0
646	0	0	0
647	0	0	0
648	0	0	0
649	0	0	0
650	0	0	0

Table: Overwrites - Steel Design - AISC 360-10, Part 7 of 7

Frame	NetAbs	SpecCambe r	DCLimit
	m	m	
651	0	0	0
652	0	0	0
653	0	0	0
654	0	0	0
655	0	0	0
656	0	0	0
657	0	0	0
658	0	0	0
659	0	0	0
660	0	0	0
661	0	0	0

Table: Preferences - Aluminum Design - AA-ASD 2000

Table: Preferences - Aluminum Design - AA-ASD 2000

THDesign	FrameType	SRatioLimit	MaxIter	LatFact	UseLatFact	Bridge
Envelopes	Moment Frame	1	1	1.333333	No	No

Table: Preferences - Cold Formed Design - AISI-ASD96, Part 1 of 2

Table: Preferences - Cold Formed Design - AISI-ASD96, Part 1 of 2

THDesign	FrameType	SRatioLimit	MaxIter	OmegaBS	OmegaBUS	OmegaBLT B	OmegaVS	OmegaVNS
Envelopes	Braced Frame	1	1	1.67	1.67	1.67	1.67	1.5

Table: Preferences - Cold Formed Design - AISI-ASD96, Part 2 of 2

Table: Preferences - Cold
Formed Design -
AISI-ASD96, Part 2 of 2

OmegaT	OmegaC
1.67	1.8

Table: Preferences - Concrete Design - ACI 318-14, Part 1 of 2

Table: Preferences - Concrete Design - ACI 318-14, Part 1 of 2

THDesign	NumCurves	NumPoints	MinEccen	PatLLF	UFLimit	SeisCat	Rho	Sds
Envelopes	24	11	Yes	0.75	0.95	D	1	0.5

Table: Preferences - Concrete Design - ACI 318-14, Part 2 of 2

Table: Preferences - Concrete Design - ACI 318-14, Part 2 of 2

PhiT	PhiCTied	PhiCSpiral	PhiV	PhiVSeismic	PhiVJoint
0.9	0.65	0.75	0.75	0.6	0.85

Table: Preferences - Dimensional, Part 1 of 2

Table: Preferences - Dimensional, Part 1 of 2

MergeTol m	FineGrid m	Nudge m	SelectTol	SnapTol	SLineThick	PLineThick	MaxFont	MinFont
0.001	0.25	0.25	3	12	2	4	8	3

Table: Preferences - Dimensional, Part 2 of 2

Table: Preferences - Dimensional, Part 2 of 2

AutoZoom	ShrinkFact	TextFileLen
10	70	240

Table: Preferences - Steel Design - AISC 360-10, Part 1 of 4

Table: Preferences - Steel Design - AISC 360-10, Part 1 of 4

THDesign	FrameType	PatLLF	SRatioLimit	MaxIter	SDC	SeisCode	SeisLoad	ImpFactor
Envelopes	SMF	0.75	1	1	D	No	Yes	1

Table: Preferences - Steel Design - AISC 360-10, Part 2 of 4

Table: Preferences - Steel Design - AISC 360-10, Part 2 of 4

SystemRho	SystemSds	SystemR	SystemCd	Omega0	Provision	AMethod	SOMethod	SRMethod
1	0.5	8	5.5	3	LRFD	Direct Analysis	General 2nd Order	Tau-b Fixed

Table: Preferences - Steel Design - AISC 360-10, Part 3 of 4

Table: Preferences - Steel Design - AISC 360-10, Part 3 of 4

NLCoeff	PhiB	PhiC	PhiTY	PhiTF	PhiV	PhiVRolledI	PhiVT	PlugWeld
0.002	0.9	0.9	0.9	0.75	0.9	1	0.9	Yes

Table: Preferences - Steel Design - AISC 360-10, Part 4 of 4

Table: Preferences - Steel Design - AISC 360-10, Part 4 of 4

HSSWelding	HSSReduce T	CheckDefl	DLRat	SDLAndLLR at	LLRat	TotalRat	NetRat
SAW	No	No	120	120	360	240	240

Table: Program Control, Part 1 of 2

Table: Program Control, Part 1 of 2							
ProgramName	Version	ProgLevel	LicenseNum	LicenseOS	LicenseSC	LicenseHT	CurrUnits
SAP2000	18.0.1	Ultimate	3010*1UTUU HUC7Z4BCL S	Yes	Yes	No	Tonf, m, C

Table: Program Control, Part 2 of 2

Table: Program Control, Part 2 of 2				
SteelCode	ConcCode	AlumCode	ColdCode	RegenHinge
AISC 360-10	ACI 318-14	AA-ASD 2000	AISI-ASD96	Yes

Table: Project Information

Table: Project Information	
Item	Data
Company Name	CAHC
Client Name	
Project Name	
Project Number	
Model Name	
Model Description	
Revision Number	
Frame Type	
Engineer	
Checker	
Supervisor	
Issue Code	
Design Code	

Table: Rebar Sizes

Table: Rebar Sizes		
RebarID	Area m2	Diameter m
#2	3.2E-05	0.00635
#3	7.1E-05	0.009525
#4	0.000129	0.0127
#5	0.0002	0.015875
#6	0.000284	0.01905
#7	0.000387	0.022225
#8	0.00051	0.0254
#9	0.000645	0.028651
#10	0.000819	0.032258
#11	0.001006	0.035814
#14	0.001452	0.043002
#18	0.002581	0.057328
10M	0.0001	0.0113
15M	0.0002	0.016

Table: Rebar Sizes

RebarID	Area m2	Diameter m
20M	0.0003	0.0195
25M	0.0005	0.0252
30M	0.0007	0.0299
35M	0.001	0.0357
45M	0.0015	0.0437
55M	0.0025	0.0564
6d	2.8E-05	0.006
8d	5E-05	0.008
10d	7.9E-05	0.01
12d	0.000113	0.012
14d	0.000154	0.014
16d	0.000201	0.016
20d	0.000314	0.02
25d	0.000491	0.025
26d	0.000531	0.026
28d	0.000616	0.028
N12	0.000113	0.012
N16	0.000201	0.016
N20	0.000314	0.02
N24	0.000452	0.024
N28	0.000616	0.028
N32	0.000804	0.032
N36	0.00102	0.036

Table: Solid Property Definitions, Part 1 of 2

Table: Solid Property Definitions, Part 1 of 2

SolidProp	Material	MatAngleA Degrees	MatAngleB Degrees	MatAngleC Degrees	InComp	Color
Solid1	4000Psi	0	0	0	Yes	Green

Table: Solid Property Definitions, Part 2 of 2

Table: Solid Property Definitions, Part 2 of 2

SolidProp	GUID	Notes	TotalWt Tonf	TotalMass Tonf-s2/m
Solid1	bad227ce-78af-412a-939 2-048bc04372c8		0	0