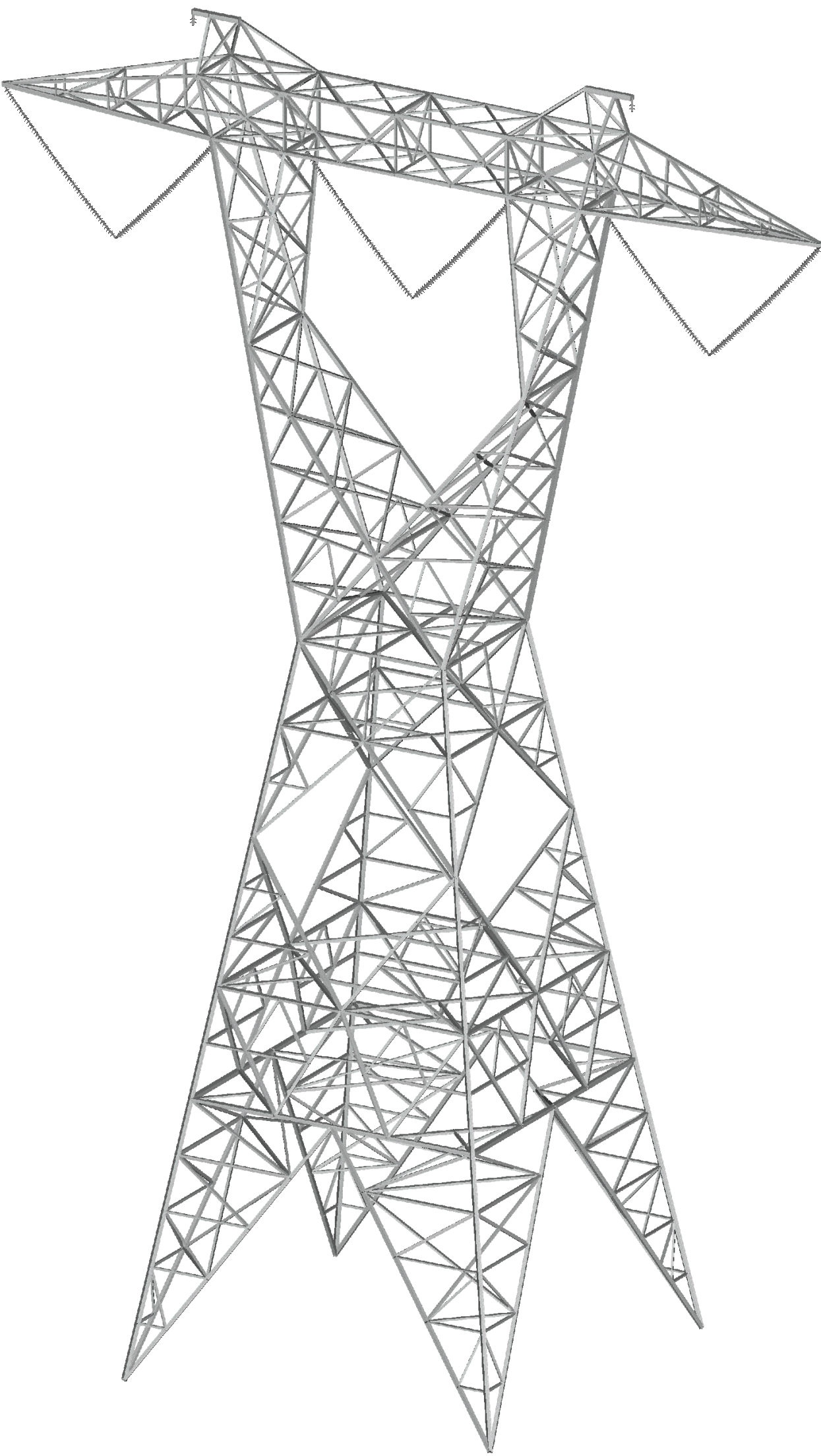


Project

TOWER DRAWING EXAMPLE



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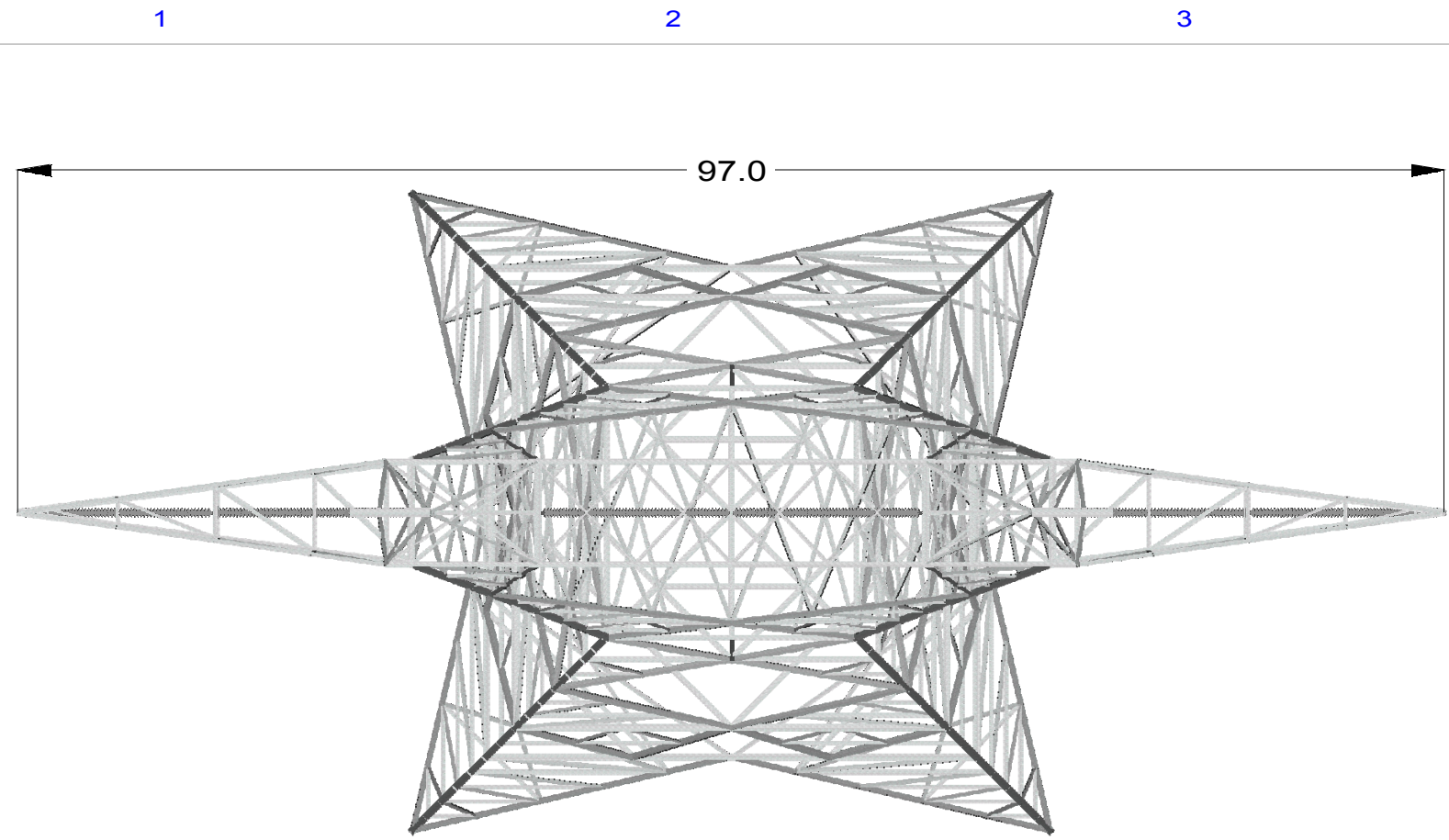
B	05/29/15	Structure Drawings Created Using New Structure Drafting Capabilities			
A	04/10/15	BLE.TOW Project Released by Power Line Systems, Inc., Madison, WI 53705			
NO	DATE	REVISIONS AND RECORD OF ISSUE			

POWER LINE SYSTEMS · INC ·		Madison to Nixa 500 kV Transmission Line	PROJECT BLE	DRAWING NUMBER BLE-1	REV B
ENGINEER OJL	DRAWN PLS-CADD	Designed using TOWER Lattice Tower Design and Analysis Software	CODE 10-24	Page 1 of 6	
CHECKED NB	DATE 6/9/2015		AREA 51		

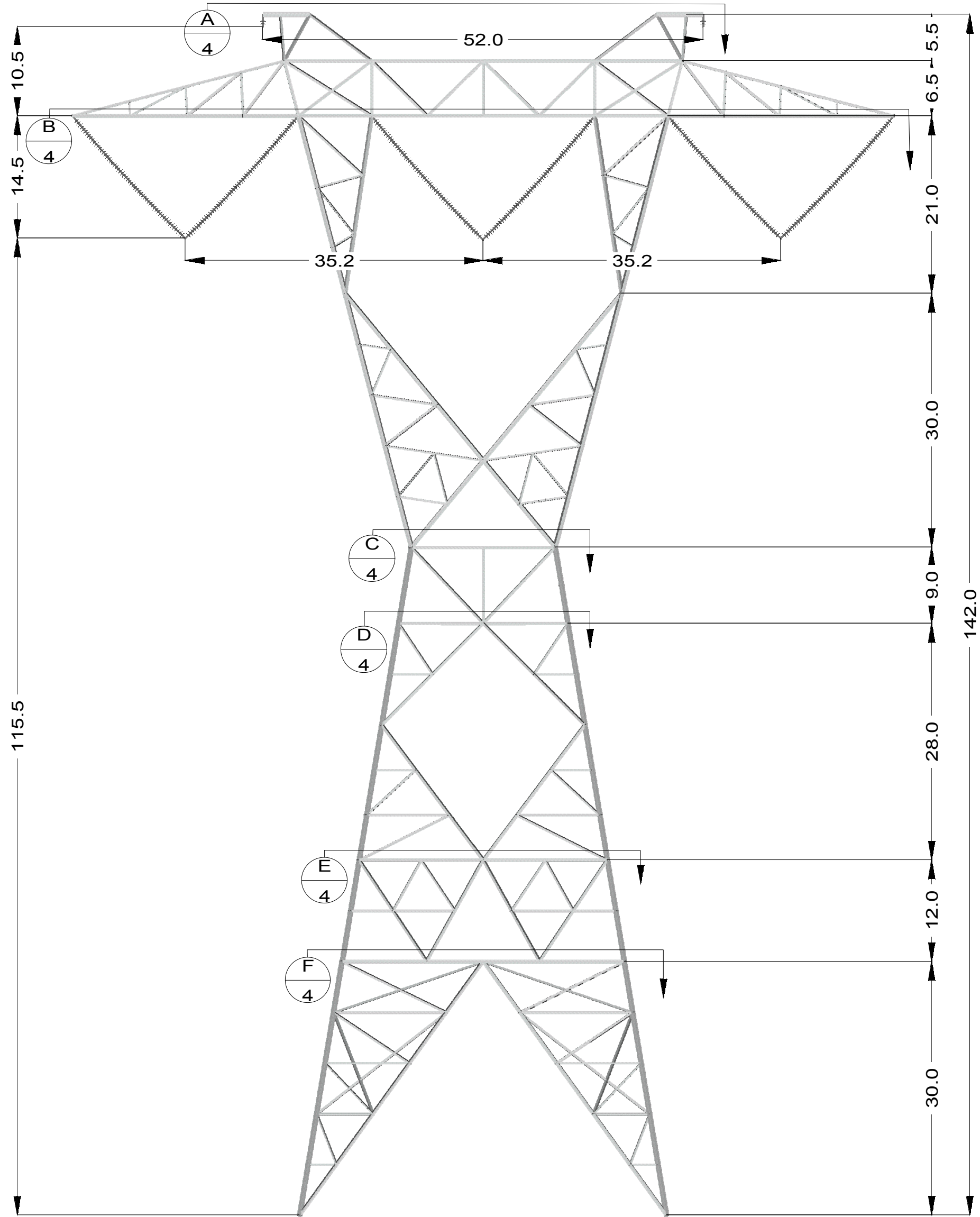
Design, detailing and fabrication criteria shall be in accordance with the "Design of Latticed Steel Transmission Structures", American Society of Civil Engineers Standards Standard ASCE/SEI 10-15 (<http://www.asce.org/templates/publications/book-detail.aspx?id=12069>)

2. All members and plates marked (50 KSI ST) are ASTM A572-Grade 50 steel. All other members and plates are ASTM A36 steel.
3. All members and plates shall be hot-dip galvanized in accordance with ASTM A123.
4. The minimum thickness of connection plates is 1/4 inch.
5. All connections shall be detailed to minimize eccentricity at the joint.
6. All connection bolts are 5/8 inch diameter, ASTM A394-TYPE O, galvanized, with single shear strength = 11.15 kips. Bolt holes are 11/16 inch diameter.
7. Number of bolts shown in table are the minimum number required in single shear for member connection, unless noted DS for Double Shear.
8. Minimum Bolt Spacing: 1 5/8 inch, center to center for 3/16 inch thick, 1 1/2 inch, center to center for all others
9. Locking devices are not required for the connection bolts.
10. Furnish 5/8 inch diameter step bolts at 16 inch center to center in one leg post to top of tower, and punch all four leg posts for full height.
11. All horizontal members shall have the vertical leg turned down, if practical.
12. All leg posts and bottom chord of bridge splices shall be butt splices.

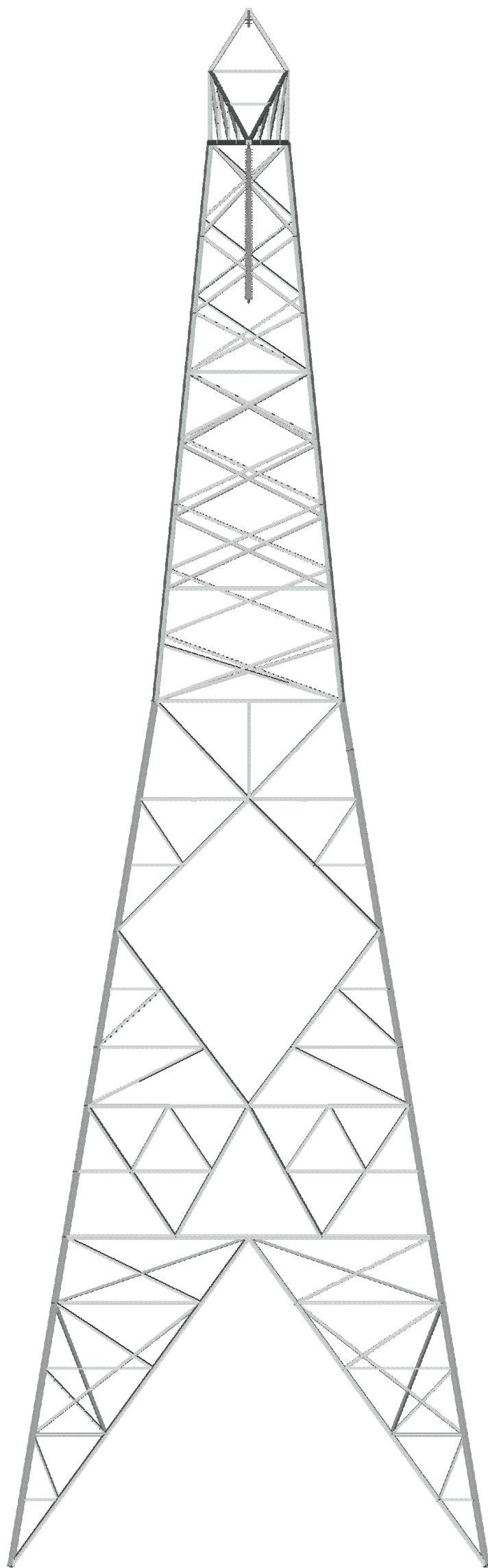
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Plan



Longitudinal



Transverse

Angle Groups						
Group Label	Group Description	Angle Type	Angle Size	Material Type	Element Type	Group Type
2	BB-L2	SAE	5X5X0.3125	50 KSI ST	Beam	Leg
3	BB-L3	SAE	5X5X0.3125	50 KSI ST	Beam	Leg
4	BB-L4	SAE	5X5X0.375	50 KSI ST	Beam	Leg
5	BB-L5	SAE	3.5X3.5X0.25	50 KSI ST	Beam	Leg
6	BB-GW1	SAE	3X3X0.1875	A-36	Truss	Other
7	BB-GW2	SAE	3X3X0.1875	A-36	Truss	Other
8	BB-BRG	SAU	3.5X3X0.25	A-36	Truss	Other
9	BB-WDW	SAE	4X4X0.3125	A-36	Truss	Other
10	BB-WD2	SAE	5X5X0.3125	A-36	Truss	Other
11	BB-WD3	SAE	5X5X0.3125	A-36	Truss	Other
12	BB-BR2	SAE	4X4X0.25	A-36	Beam	Other
13	BB-BR3	SAE	4X4X0.25	A-36	Beam	Other
14	BB-ARM	SAE	5X5X0.3125	50 KSI ST	Beam	Other
15	BB-HGR	SAU	3.5X3X0.25	50 KSI ST	T-Only	Other
16	BB-BR4	SAE	4X4X0.25	A-36	Truss	Other
17	BB-BR5	SAE	3.5X3.5X0.25	A-36	Truss	Other
18	BB-BR6	SAE	2X2X0.1875	A-36	Truss	Other
19	BB-BR7	SAE	3X3X0.1875	A-36	Truss	Other
20	BB-BR8	SAU	2.5X2X0.1875	A-36	Truss	Other
21	BB-BR9	SAU	2.5X2X0.1875	A-36	Truss	Crossing Diagonal
22	BB-B10	SAE	3X3X0.1875	A-36	Truss	Other
23	BB-B11	DAS	3X2X0.375	A-36	Truss	Other
24	BB-B12	SAE	2X2X0.1875	A-36	Truss	Other
25	BB-B13	SAE	2X2X0.1875	A-36	Truss	Crossing Diagonal
26	BB-B14	SAE	3X3X0.1875	A-36	Truss	Other
28	BB-B15	SAE	2X2X0.1875	A-36	Truss	Other
29	BB-B16	SAE	2X2X0.1875	A-36	Truss	Other
30	BB-B17	SAE	3.5X3.5X0.25	50 KSI ST	Truss	Crossing Diagonal
31	BB-G3	SAE	3X3X0.1875	A-36	Truss	Other
32	BB-G4	DAE	6X6X0.625	A-36	Beam	Other
33	BB-B18	SAU	2.5X2X0.1875	A-36	Truss	Other
34	BB-LO1	SAU	3.5X3X0.25	50 KSI ST	Truss	Crossing Diagonal
35	BB-LO2	SAE	3X3X0.25	50 KSI ST	Truss	Crossing Diagonal
36	BB-LO3	SAE	3X3X0.1875	50 KSI ST	Truss	Crossing Diagonal
37	BB-LO4	SAE	3X3X0.1875	A-36	Truss	Crossing Diagonal
38	BB-LO5	SAE	3X3X0.1875	A-36	Truss	Crossing Diagonal
39	BB-LO6	SAE	3X3X0.1875	A-36	Truss	Crossing Diagonal
40	BB-W1(E)	SAE	3X3X0.1875	A-36	Truss	Redundant
41	BB-W2(D)	SAU	3X2.5X0.1875	A-36	Truss	Redundant
42	BB-W3(B)	SAU	2.5X2X0.1875	A-36	Truss	Redundant
43	BB-W4(A)	SAE	2X2X0.1875	A-36	Truss	Redundant
44	BB-W5(B)	SAU	2.5X2X0.1875	A-36	Truss	Redundant
45	BB-W6(E)	SAE	3X3X0.1875	A-36	Truss	Redundant
46	BB-W7(D)	SAU	3X2.5X0.1875	A-36	Truss	Redundant
47	BB-WA1	SAU	5X3X0.25	50 KSI ST	Truss	Other
48	BB-WA2	SAE	3.5X3.5X0.25	50 KSI ST	Truss	Other
49	BB-WA3(C)	SAE	2.5X2.5X0.1875	A-36	Truss	Redundant
50	BB-BOD	SAU	4X3X0.25	A-36	Truss	Other
52	BB-WA4	SAU	4X3X0.25	A-36	Beam	Other
53	BB-WA5(F)	SAU	3.5X3X0.25	A-36	Truss	Redundant
54	BB-BO1	SAU	4X3X0.25	A-36	Beam	Other
56	BB-W8(A)	SAE	2X2X0.1875	A-36	Truss	Redundant
57	BB-W9(E)	SAE	3X3X0.1875	A-36	Truss	Redundant
58	BB-W10(G)	SAE	3.5X3.5X0.25	A-36	Truss	Redundant
59	BB-HG1	SAU	2.5X2X0.1875	A-36	Truss	Other
60	BB-B19	SAU	3.5X3X0.25	A-36	Truss	Other
61	BB-B20	SAU	2.5X2X0.1875	A-36	Truss	Other
62	BB-B21	SAU	2.5X2X0.3125	A-36	Truss	Other
63	BB-B22	SAU	5X3X0.3125	A-36	Truss	Other
64	BB-W11	SAE	4X4X0.25	A-36	Truss	Other
65	BB-(A)	SAE	2X2X0.1875	A-36	Truss	Redundant
66	BB-(D)	SAU	3X2.5X0.1875	A-36	Truss	Redundant
67	BB-(E)	SAE	3X3X0.1875	A-36	Truss	Redundant
68	BB-(I)	SAU	4X3.5X0.25	A-36	Truss	Redundant
69	BB-(D)	SAU	3X2.5X0.1875	A-36	Truss	Redundant
70	BB-(A)	SAE	2X2X0.125	A-36	Truss	Redundant
71	BB-(B)	SAU	2.5X2X0.1875	A-36	Truss	Redundant
72	BB-(A)	SAE	2X2X0.125	A-36	Truss	Redundant
40BE-1	40BE-1	SAE	5X5X0.3125	50 KSI ST	Beam	Leg
40BE-2	40BE-2	SAU	5X3X0.3125	50 KSI ST	Beam	Other
40BE-7	40BE-7	SAU	5X3.5X0.3125	50 KSI ST	Beam	Other
40BE-8	40BE-8	SAU	5X3X0.25	A-36	Beam	Other
40BE-9	40BE-9	SAU	5X3X0.25	A-36	Beam	Other
40BE-10	40BE-10	SAU	5X3X0.25	A-36	Beam	Other
40BE-11	40BE-11	SAE	5X5X0.3125	A-36	Truss	Other
40BE-15	40BE-15	SAU	4X3.5X0.25	A-36	Beam	Other
40BE-A	40BE-A	SAE	2.5X2.5X0.1875	A-36	Truss	Redundant
40BE-B	40BE-B	SAU	2.5X2X0.1875	A-36	Truss	Redundant
40BE-D	40BE-D	SAU	3X2.5X0.1875	A-36	Truss	Redundant
40BE-E	40BE-E	SAE	3X3X0.1875	A-36	Truss	Redundant
40BE-F	40BE-F	SAU	3.5X3X0.25	A-36	Truss	Redundant
40BE-G	40BE-G	SAE	3.5X3.5X0.25	A-36	Truss	Redundant
LE-12	LE-12	SAE	5X5X0.3125	50 KSI ST	Beam	Leg
LE-13	LE-13	SAE	4X4X0.3125	50 KSI ST	Beam	Other
LE-A	40BE-A	SAE	2.5X2.5X0.1875	A-36	Truss	Redundant
LE-B	40BE-B	SAU	2.5X2X0.1875	A-36	Truss	Redundant
LE-D	40BE-D	SAU	3X2.5X0.1875	A-36	Truss	Redundant
LE-E	40BE-E	SAE	3X3X0.1875	A-36	Truss	Redundant
LE-F	40BE-F	SAU	3.5X3X0.25	A-36	Truss	Redundant
LE-G	40BE-G	SAE	3.5X3.5X0.25	A-36	Truss	Redundant

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B	05/29/15	Structure Drawings Created Using New Structure Drafting Capabilities				
A	04/10/15	BLE.TOW Project Released by Power Line Systems, Inc., Madison, WI 53705				
NO DATE		REVISIONS AND RECORD OF ISSUE				

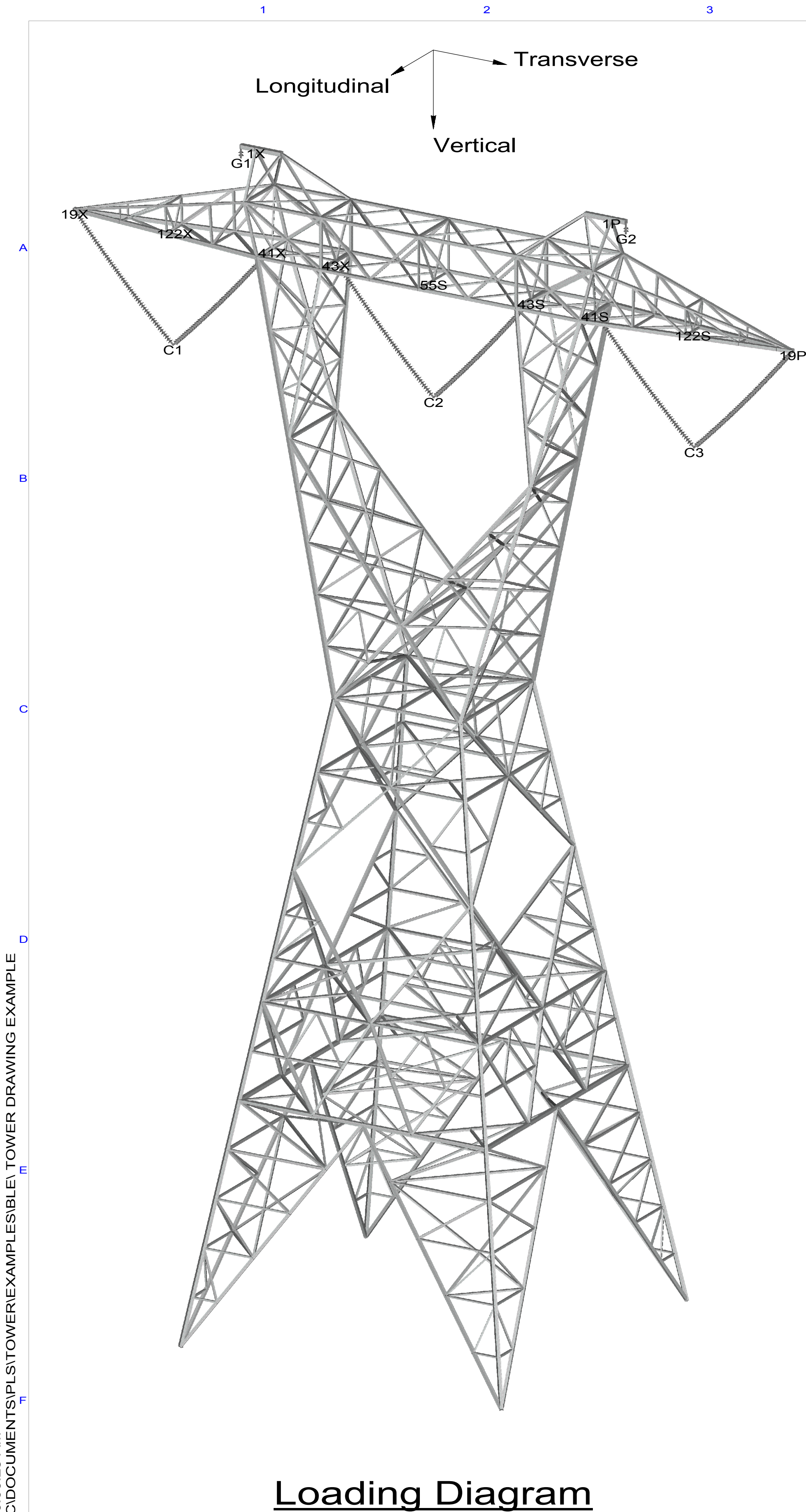
POWER LINE SYSTEMS, INC.		Madison to Nixa 500 kV Transmission Line		PROJECT BLE	DRAWING NUMBER BLE-3	REV B
ENGINEER OJL	DRAWN PLS-CADD	Designed using TOWER Lattice Tower Design and Analysis Software		CODE 10-24	Page 3 of 6	
CHECKED NB	DATE 6/9/2015			AREA 51		



POWER LINE[®]
SYSTEMS · INC.

ENGINEER	OJL	DRAWN	PLS-CADD
CHECKED	NB	DATE	6/9/2015

PROJECT	DRAWING NUMBER	REV
BLE	BLE-4	B
CODE	Page 4 of 6	
10-24		
AREA		
51		



Loading Diagram

Loading Tree (1 of 2)							Loading Tree (2 of 2)						
Load Case	Joint Label	Vertical	Transverse Load (lbs)	Longitudinal	Transverse Wind (psf)	Longitudinal	Load Case	Joint Label	Vertical	Transverse Load (lbs)	Longitudinal	Transverse Wind (psf)	Longitudinal
NES-NESC HEAVY	G2	2686	1444	0	13	0	BOP-BROKEN OPGW	19P	8595	-8015	0	13	0
	G1	2184	1314	0	13	0	DIC-DIFFERENTIAL ICE	G2	2517	0	6746	0	0
	19X	15979	14901	0	13	0		G1	2149	0	6124	0	0
	41X	8595	-8014	0	13	0		19X	9831	9556	2892	0	0
	43X	15979	14901	0	13	0		41X	9831	-9556	2892	0	0
	43S	8595	-8014	0	13	0		43X	9831	9556	2892	0	0
EXW - EXTREME WIND	41S	15979	14901	0	13	0		43S	9831	-9556	2892	0	0
	19P	8595	-8014	0	13	0		41S	9831	9556	2892	0	0
	G2	721	1318	0	33	0		19P	9831	-9556	2892	0	0
	G1	528	992	0	33	0	CLG-CONSTRUCTION LONGITUDINAL (GW)	G2	793	0	1280	0	0
	19X	10402	10340	0	33	0		G1	581	0	0	0	0
	43X	10402	10340	0	33	0		19X	5721	5335	0	0	0
HCE - HEAVY ICE	41S	10402	10340	0	33	0		41X	5721	-5335	0	0	0
	G2	6914	0	0	0	0		43X	5721	5335	0	0	0
	G1	6297	0	0	0	0		43S	5721	-5335	0	0	0
	19X	18649	17390	0	0	0		41S	5721	5335	0	0	0
	41X	18649	-17390	0	0	0	CLM-CONSTRUCTION LONGITUDINAL (MIDDLE)	G2	793	0	0	0	0
	43X	18649	17390	0	0	0		G1	581	0	0	0	0
BLP - BROKEN LEFT PHASE	43S	18649	-17390	0	0	0		19X	5721	5335	0	0	0
	41S	18649	17390	0	0	0		41X	5721	-5335	0	0	0
	19P	18649	-17390	0	0	0		43X	5721	5335	0	0	0
	G2	2686	1444	0	13	0		43S	5721	-9272	8132	0	0
	G1	2184	1314	0	13	0		41S	5721	5335	0	0	0
	19X	15401	17029	9812	13	0	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	G2	793	0	0	0	0
BMP-BROKEN MIDDLE PHASE	41X	9173	-10143	5844	13	0		G1	581	0	0	0	0
	43X	15979	14901	0	13	0		19X	5721	9272	8132	0	0
	43S	8595	-8015	0	13	0		41X	5721	-9272	8132	0	0
	41S	15979	14901	0	13	0		43X	5721	5335	0	0	0
	19P	8595	-8015	0	13	0		43S	5721	-5335	0	0	0
	G2	2686	1444	0	13	0		41S	5721	5335	0	0	0
BRP-BROKEN RIGHT PHASE	G1	2184	1314	0	13	0	CVC-CONSTRUCTION VERTICAL LOAD	122X	22364	0	0	0	0
	19X	15979	14901	0	13	0		55S	22364	0	0	0	0
	41X	8595	-8015	0	13	0		122S	22364	0	0	0	0
	43X	15401	17029	9812	13	0	CVL-CONST. VERT. LOAD (LEFT PHASE)	122X	22364	0	0	0	0
	43S	9173	-10143	5844	13	0		55S	22364	0	0	0	0
	41S	15979	14901	0	13	0	CVM-CONST. VERT. LOAD (MIDDLE PHASE)	55S	22364	0	0	0	0
BGW-BROKEN GROUND WIRE	19P	8595	-8015	0	13	0	UNE-UPLIFT NESC HEAVY	G2	448	1444	0	13	0
	G2	2686	1444	0	13	0		G1	364	1314	0	13	0
	G1	2184	1314	0	13	0		19P	5446	6886	0	13	0
	19X	15979	14901	0	13	0		43X	5446	6886	0	13	0
	41X	8595	-8015	0	13	0		41S	5446	6886	0	13	0
	43X	15979	14901	0	13	0	UEW-UPLIFT EXTREME WIND	G2	189	1318	0	33	0
BOP-BROKEN OPGW	43S	8595	-8015	0	13	0		G1	132	992	0	33	0
	41S	15401	17029	9812	13	0		19X	3950	10340	0	33	0
	19P	9173	-10143	5844	13	0		43X	3950	10340	0	33	0
	G2	2686	1444	6380	13	0	UBL-SPECIAL UPLIFT WITH BROKEN LEFT PHASE	G2	448	1444	0	13	0
	G1	2184	1314	0	13	0		G1	364	1314	0	13	0
	19X	15979	14901	0	13	0		19X	3936	11172	11315	13	0
BOP-BROKEN OPGW	41X	8595	-8015	0	13	0		41X	1510	-4286	4341	13	0
	43X	15979	14901	0	13	0		43X	5446	6886	0	13	0
	43S	8595	-8015	0	13	0	UBR-SPECIAL UPLIFT WITH BROKEN RIGHT PHASE	G2	448	1444	0	13	0
	41S	15979	14901	0	13	0		G1	364	1314	0	13	0
	19P	8595	-8015	0	13	0		19X	5446	6886	0	13	0
	G2	2686	1444	6380	13	0		43X	5446	6886	0	13	0
BOP-BROKEN OPGW	G1	2184	1314	0	13	0		41S	5446	6886	0	13	0
	19X	15979	14901	0	13	0		G2	448	1444	0	13	0
	41X	8595	-8015	0	13	0		G1	364	1314	0	13	0
	43X	15979	14901	0	13	0		19X	5446	6886	0	13	0
	43S	8595	-8015	0	13	0		43X	5446	6886	0	13	0
	41S	15979	14901	0	13	0		41S	3936	11172	11315	13	0
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B	05/29/15	Structure Drawings Created Using New Structure Drafting Capabilities			
A	04/10/15	BLE.TOW Project Released by Power Line Systems, Inc., Madison, WI 53705			
NO DATE		REVISIONS AND RECORD OF ISSUE			

POWER LINE SYSTEMS, INC.		Madison to Nixa 500 kV Transmission Line		PROJECT BLE	DRAWING NUMBER BLE-5	REV B
ENGINEER OJL	DRAWN PLS-CADD	Designed using TOWER Lattice Tower Design and Analysis Software		CODE 10-24	Page 5 of 6	
CHECKED NB	DATE 6/9/2015			AREA 51		

Foundation Loads For All Load Cases (1 of 2)												Foundation Loads For All Load Cases (2 of 2)											
Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Bending Moment (ft-k)	Vert. Moment (ft-k)	Found. Usage	Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Bending Moment (ft-k)	Vert. Moment (ft-k)	Found. Usage		
NES-NESC HEAVY	13S	0.00	0.00	-0.45	0.00	0.00	0.00	0.00	0.00	0.00	CLM-CONSTRUCTION LONGITUDINAL (MIDDLE)	13Y	0.00	0.00	-0.08	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	122S	0.00	-1.26	-0.00	1.26	0.00	0.00	0.00	0.00	0.00	CLM-CONSTRUCTION LONGITUDINAL (MIDDLE)	122X	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	124S	0.00	0.00	-0.94	0.00	0.00	0.00	0.00	0.00	0.00	CLM-CONSTRUCTION LONGITUDINAL (MIDDLE)	124X	0.00	0.00	-0.19	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	126S	0.00	0.00	-0.82	0.00	0.00	0.00	0.00	0.00	0.00	CLM-CONSTRUCTION LONGITUDINAL (MIDDLE)	FX	-7.67	7.68	-45.64	10.86	3.02	3.00	4.26	-0.02	0.00		
NES-NESC HEAVY	FS	-14.91	-19.03	-89.07	24.17	-4.27	5.62	7.06	0.51	0.00	CLM-CONSTRUCTION LONGITUDINAL (MIDDLE)	FXY	-0.46	-0.44	3.52	0.63	-0.26	0.24	0.35	-0.01	0.00		
NES-NESC HEAVY	13X	0.00	0.00	-0.14	0.00	0.00	0.00	0.00	0.00	0.00	CLM-CONSTRUCTION LONGITUDINAL (MIDDLE)	FY	-0.44	0.44	3.39	0.62	0.25	0.23	0.34	0.01	0.00		
NES-NESC HEAVY	13XY	0.00	0.00	-0.14	0.00	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	13S	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	13Y	0.00	0.00	-0.45	0.00	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	122S	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	122X	0.00	-1.48	-0.00	1.48	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	124S	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	124X	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	126S	0.00	0.00	-0.55	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	FX	2.66	-6.77	17.02	7.27	0.26	-0.44	0.51	0.10	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	FS	-4.45	-11.11	-45.77	11.97	-2.21	3.71	4.32	0.31	0.00		
NES-NESC HEAVY	FXY	0.26	-6.77	17.02	7.27	0.26	-0.44	0.51	0.10	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	FX	0.00	0.00	-0.04	0.00	0.00	0.00	0.00	0.00	0.00		
NES-NESC HEAVY	FY	14.91	-19.02	-89.07	24.17	-4.27	-5.62	7.06	-0.52	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	13XY	0.00	0.00	-0.14	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	13S	0.00	0.00	-0.31	0.00	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	13Y	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	122S	0.00	-5.17	-0.00	5.17	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	122X	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	124S	0.00	0.00	-0.84	0.00	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	124X	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	126S	0.00	0.00	-0.51	0.00	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	FY	-10.94	4.30	-45.72	11.75	3.78	2.28	4.41	0.25	0.00		
EXW - EXTREME WIND	FS	-18.31	-28.12	-109.60	33.56	-3.22	6.53	7.28	1.35	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	FXY	-3.71	2.97	3.54	4.75	-1.09	-0.47	1.18	0.29	0.00		
EXW - EXTREME WIND	13X	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	CLL-CONSTRUCTION LONGITUDINAL (LEFT)	FY	2.83	3.84	3.33	4.77	-0.52	0.96	1.09	0.00	0.00		
EXW - EXTREME WIND	13XY	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	CVC-CONSTRUCTION VERTICAL LOAD	13S	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	13Y	0.00	0.00	-0.31	0.00	0.00	0.00	0.00	0.00	0.00	CVC-CONSTRUCTION VERTICAL LOAD	122S	0.00	-1.04	-0.00	1.04	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	122X	0.00	-5.92	-0.00	5.92	0.00	0.00	0.00	0.00	0.00	CVC-CONSTRUCTION VERTICAL LOAD	124S	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	124X	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	CVC-CONSTRUCTION VERTICAL LOAD	126S	0.00	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	FX	11.81	-21.65	71.52	24.67	-1.13	-2.58	2.81	0.14	0.00	CVC-CONSTRUCTION VERTICAL LOAD	FS	-5.31	-5.31	-31.22	7.51	-2.04	2.04	2.89	0.00	0.00		
EXW - EXTREME WIND	FXY	-11.82	-21.64	71.51	24.65	-1.13	2.57	2.81	-0.14	0.00	CVC-CONSTRUCTION VERTICAL LOAD	13X	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00		
EXW - EXTREME WIND	FY	18.32	-28.10	-109.59	33.55	-3.22	-6.53	7.28	-1.35	0.00	CVC-CONSTRUCTION VERTICAL LOAD	13XY	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	13S	0.00	0.00	-0.32	0.00	0.00	0.00	0.00	0.00	0.00	CVM-CONSTRUCTION VERTICAL LOAD	13Y	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	122S	0.00	-0.00	-0.00	0.00	0.00	0.00	0.00	0.00	0.00	CVM-CONSTRUCTION VERTICAL LOAD	122X	0.00	1.04	-0.00	1.04	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	124S	0.00	0.00	-0.49	0.00	0.00	0.00	0.00	0.00	0.00	CVM-CONSTRUCTION VERTICAL LOAD	124X	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	126S	0.00	0.00	-0.76	0.00	0.00	0.00	0.00	0.00	0.00	CVM-CONSTRUCTION VERTICAL LOAD	FS	-5.31	5.31	-31.22	7.51	2.04	2.04	2.89	-0.00	0.00		
HCE - HEAVY ICE	FS	7.08	7.05	-42.14	9.99	2.79	3.94	-0.00	0.00	0.00	CVM-CONSTRUCTION VERTICAL LOAD	FXY	5.31	-5.31	-31.22	7.51	-2.04	-2.04	2.89	-0.00	0.00		
HCE - HEAVY ICE	13X	0.00	0.00	-0.31	0.00	0.00	0.00	0.00	0.00	0.00	CVM-CONSTRUCTION VERTICAL LOAD	FY	5.31	-5.31	-31.22	7.51	-2.04	-2.04	2.89	-0.00	0.00		
HCE - HEAVY ICE	13XY	0.00	0.00	-0.31	0.00	0.00	0.00	0.00	0.00	0.00	CVL-CONST. VERT. LOAD (LEFT PHASE)	13S	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	13Y	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	CVL-CONST. VERT. LOAD (LEFT PHASE)	122S	0.00	0.05	-0.00	0.05	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	122X	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	0.00	CVL-CONST. VERT. LOAD (LEFT PHASE)	124S	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	124X	0.00	0.00	-0.48	0.00	0.00	0.00	0.00	0.00	0.00	CVL-CONST. VERT. LOAD (LEFT PHASE)	126S	0.00	0.00	-0.57	0.00	0.00	0.00	0.00	0.00	0.00		
HCE - HEAVY ICE	FX	-7.02	7.05	-41.76	9.94	2.74	2.75	3.89	-0.00	0.00	CVL-CONST. VERT. LOAD (LEFT PHASE)	FS	-2.45	-3.96	-13.88	4.65	-0.36	0.72	0.80	0.09	0.00		
HCE - HEAVY ICE	FXY	7.02	7.05	-41.76	9.94	2.74	-2.75	3.89	0.00	0.00	CVL-CONST. VERT. LOAD (LEFT PHASE)	FX	0.00	0.00	-0.21	0.00	0.00	0.00	0.00	0.00	0.		