



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

August 24, 2022

Michael Jones
President
M+K Development
140 Beach 137th Street
Rockaway Beach, NY 11649
mjones@mandkdevelopment.com

RE: TS-DISH-015-220706 - Dish Wireless, LLC request for an order to approve tower sharing at an existing telecommunications facility located at 623 Pine Street, Bridgeport, Connecticut.

Dear Mr. Jones:

The Connecticut Siting Council (Council) is in receipt of your correspondence of August 23, 2022 submitted in response to the Council's August 1, 2022 notification of an incomplete request for tower sharing with regard to the above-referenced matter.

The submission renders the request for tower sharing complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

A handwritten signature in dark ink, appearing to read "Melanie A. Bachman".

Melanie A. Bachman
Executive Director

MAB/IN/emr

From: Michael Jones <mjones@mandkdevelopment.com>
Sent: Tuesday, August 23, 2022 8:40 AM
To: CSC-DL Siting Council <Siting.Council@ct.gov>
Cc: Robidoux, Evan <Evan.Robidoux@ct.gov>; Michael Mosser <mmosser@mandkdevelopment.com>
Subject: Re: Council Incomplete Letter for TS-DISH-015-220706 (623 Pine Street, Bridgeport)-NJER02044B

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Dear Ms. Bachman:

Good morning. In response to your letter dated 8/1/22 related to the incomplete application submitted and pursuant to Connecticut General Statutes ("C.G.S.") §16-50aa, as amended, DISH Wireless LLC ("DISH") hereby requests an approval from the Connecticut Siting Council ("Council") to approve the shared use by DISH of an existing telecommunication tower at 623 Pine Street in Bridgeport. We have attached the following updated documents as requested to amend our original application:

- An updated passing (<100%) mount analysis for the proposed equipment that is stamped and signed by a professional engineer duly licensed in the State of Connecticut.
- Updated Proof of proper notice of this tower share request to the Chief Elected Official and underlying property owner.

Please review and advise if there is any other required documentation required to deem this application complete. A hard copy of the updated documents have been sent to your office as well. Thank you for your time in reviewing. Have a great day!

Michael Jones
President
M + K Development
m: 732.677.8881
e: mjones@mandkdevelopment.com





8/20/2022

Melanie A. Bachman
Zoning Officer
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: Request of DISH Wireless LLC for an Order to Approve the Shared Use of an Existing Tower-
TS-DISH-015-220706
623 Pine St, Bridgeport, CT 06605
Latitude: N41° 9' 56.69" / Longitude: W73° 12' 59.83"

Dear Ms. Bachman:

In response to your letter dated 8/1/22 related to the incomplete application submitted and pursuant to Connecticut General Statutes ("C.G.S.") §16-50aa, as amended, DISH Wireless LLC ("DISH") hereby requests an approval from the Connecticut Siting Council ("Council") to approve the shared use by DISH of an existing telecommunication tower at 623 Pine Street in Bridgeport. We have attached the following updated documents as requested to amend our original application:

- An updated passing (<100%) mount analysis for the proposed equipment that is stamped and signed by a professional engineer duly licensed in the State of Connecticut.
- Updated Proof of proper notice of this tower share request to the Chief Elected Official and underlying property owner.

Please review and advise if there is any other required documentation required to deem this application complete.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Jones', is written over a light green background.

Michael Jones
President, M+K Development
140 Beach 137th St
Rockaway Beach, NY 11694
732-677-8881



Amended EXHIBIT E

Antenna Mount Analysis



August 5, 2022

PASS

RE: Structural Analysis for Antenna Mounts

Location: 623 Pine Street Bridgeport, CT 06605

Site ID: NJJER02044B

Dish Wireless LLC,

Per your request, we have performed a structural analysis of the proposed antenna mounts. This site consists of three (3) proposed antenna mounts that will be installed on the existing self-support tower. This review determines if the antenna mounts can support the proposed loads.

1.0 Assumptions:

CATEGORY	DATA	CODE
Structure Type	Self-Support	
RAD Center	151'-0"	
Structure Class	II	ASCE 7-16
Exposure Class	C	ASCE 7-16
Kzt Factor	1.0	ASCE 7-16
Basic Wind Speed	125	ASCE 7-16
Ice Thickness	1"	ASCE 7-16
Ice Windspeed	50 MPH	ASCE 7-16
Seismic Design Category	B	ASCE 7-16
S _{DS}	.228	ASCE 7-16

2.0 Existing Documents:

DOCUMENT	COMPANY	DATE
Proposed Drawings	M&K Development	9/28/2021
Site Visit Photos	M&K Development	8/2/2021



3.0 Proposed Equipment:

MANUFACTURER	EQUIPMENT	WEIGHTS
CommScope	(3) MTC3975083	352 lbs
JMA Wireless	(3) MX08FR0665-21	64.5 lbs
Fujitsu	(3) TA08025-B604	63.9 lbs
Fujitsu	(3) TA08025-B605	74.9 lbs
RayCap	(1) OVP RDIDC-9181-PF-48	32 lbs

Bold represents equipment to be added

We are installing (3) proposed MTC3975083 mounts on the existing self-support tower. After performing an analysis on the proposed mounts, it has been determined that they are **ADEQUATE** for the proposed loads and pass at 32.6% of their capacity.

This report does not address the structural stability of any other mounts, or portion of the structure, nor does it provide any warranty either express or implied, for any portion of the proposed mounts or structure.

Please note that we have not had a professional engineer perform an independent visit to confirm existing structural conditions and the outcome of this analysis is based solely on the information provided in the previous photos and drawing details. If the existing conditions are modified, in disrepair or not properly represented, contact our office immediately for an amended report since this analysis may be inaccurate.

If you have any questions, feel free to contact us at any time.

Sincerely,

Magaram Engineering



Brett Magaram
Connecticut License # 33678
Brett@MagaramEngineering.com
Phone: 914-450-8416

(Add) **APPENDIX N MUNICIPALITY – SPECIFIC STRUCTURAL DESIGN PARAMETERS**

(APPENDIX N) MUNICIPALITY - SPECIFIC STRUCTURAL DESIGN PARAMETERS												
Municipality	Ground Snow Load (psf)	MCE Spectral Acceleration s (%g)		Ultimate Design Wind Speeds, V_{ult} (mph)			Nominal Design Wind Speeds, V_{asd} (mph)			Wind-Borne Debris Regions¹		Hurricane-Prone Regions
		S_s	S_1	Risk Cat. I	Risk Cat. II	Risk Cat III-IV	Risk Cat. I	Risk Cat. II	Risk Cat. III-IV	Risk Cat. II & III except Occup I-2	Risk Cat III Occup I-2 & Risk Cat. IV	
Andover	30	0.176	0.063	120	130	140	93	101	108			Yes
Ansonia	30	0.195	0.064	115	125	135	89	97	105			Yes
Ashford	35	0.173	0.063	120	130	140	93	101	108			Yes
Avon	35	0.181	0.064	110	120	130	85	93	101			Yes
Barkhamsted	40	0.177	0.065	110	120	125	85	93	97			Yes
Beacon Falls	30	0.192	0.064	115	125	135	89	97	105			Yes
Berlin	30	0.183	0.063	115	125	135	89	97	105			Yes
Bethany	30	0.189	0.063	115	125	135	89	97	105			Yes
Bethel	30	0.215	0.066	110	120	125	85	93	97			Yes
Bethlehem	35	0.190	0.065	110	120	125	85	93	97			Yes
Bloomfield	35	0.180	0.064	115	125	130	89	97	101			Yes
Bolton	30	0.177	0.063	115	125	135	89	97	105			Yes
Bozrah	30	0.170	0.061	120	135	145	93	105	112		Type A	Yes
Branford	30	0.180	0.061	120	130	140	93	101	108		Type B	Yes
Bridgeport	30	0.209	0.064	115	125	135	89	97	105		Type B	Yes
Bridgewater	35	0.201	0.066	110	120	125	85	93	97			Yes
Bristol	35	0.185	0.064	110	120	130	85	93	101			Yes
Brookfield	35	0.208	0.066	110	120	125	85	93	97			Yes
Brooklyn	35	0.171	0.062	120	130	140	93	101	108			Yes
Burlington	35	0.182	0.064	110	120	130	85	93	101			Yes
Canaan	40	0.173	0.065	105	115	120	81	89	93			
Canterbury	35	0.171	0.061	120	130	140	93	101	108		Type A	Yes
Canton	35	0.180	0.064	110	120	130	85	93	101			Yes
Chaplin	35	0.173	0.062	120	130	140	93	101	108			Yes
Cheshire	30	0.186	0.063	115	125	135	89	97	105			Yes
Chester	30	0.172	0.060	120	130	140	93	101	108		Type A	Yes
Clinton	30	0.169	0.059	120	135	140	93	105	108	Type B	Type A	Yes
Colchester	30	0.174	0.061	120	130	140	93	101	108			Yes
Colebrook	40	0.174	0.065	105	115	125	81	89	97			
Columbia	30	0.175	0.062	120	130	140	93	101	108			Yes
Cornwall	40	0.180	0.065	105	115	120	81	89	93			
Coventry	30	0.176	0.063	120	130	140	93	101	108			Yes
Cromwell	30	0.181	0.063	115	125	135	89	97	105			Yes
Danbury	30	0.217	0.067	110	120	125	85	93	97			Yes
Darien	30	0.242	0.068	110	120	130	85	93	101			Yes
Deep River	30	0.170	0.060	120	130	140	93	101	108		Type A	Yes
Derby	30	0.195	0.064	115	125	135	89	97	105			Yes
Durham	30	0.179	0.062	115	130	140	89	101	108			Yes
Eastford	40	0.172	0.063	120	130	140	93	101	108			Yes

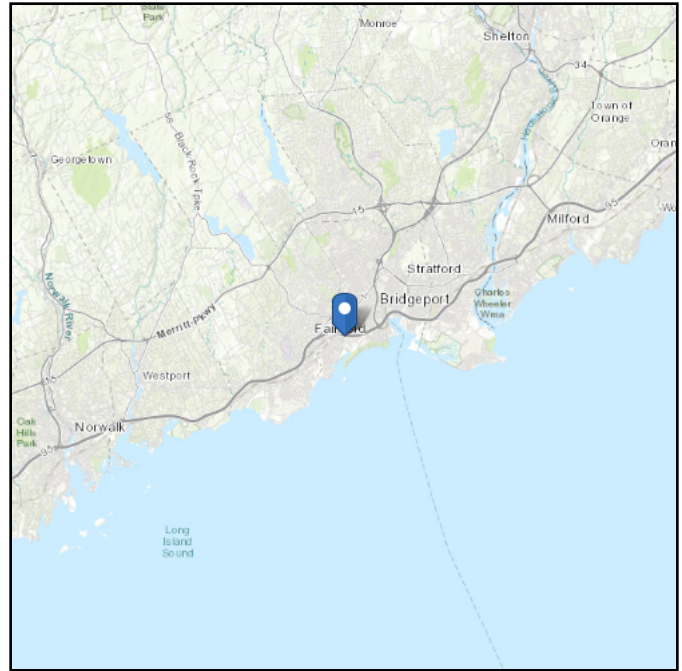
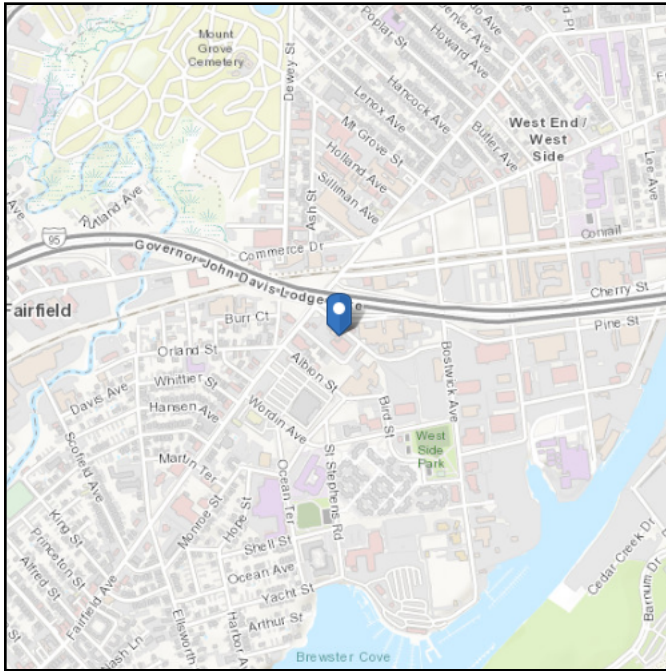


ASCE 7 Hazards Report

Address:
623 Pine St
Bridgeport, Connecticut
06605

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 12.8 ft (NAVD 88)
Latitude: 41.16574
Longitude: -73.216641

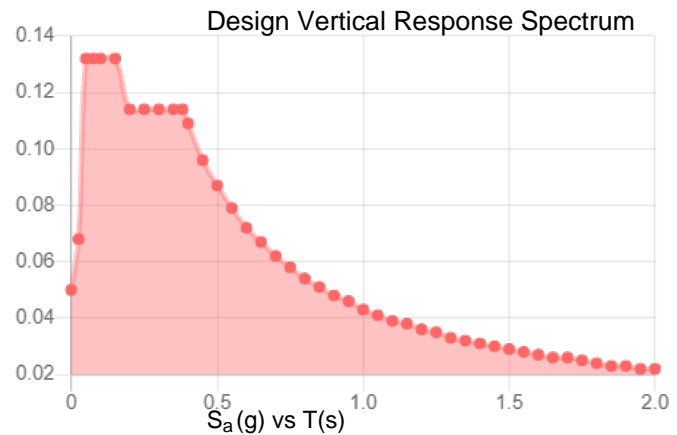
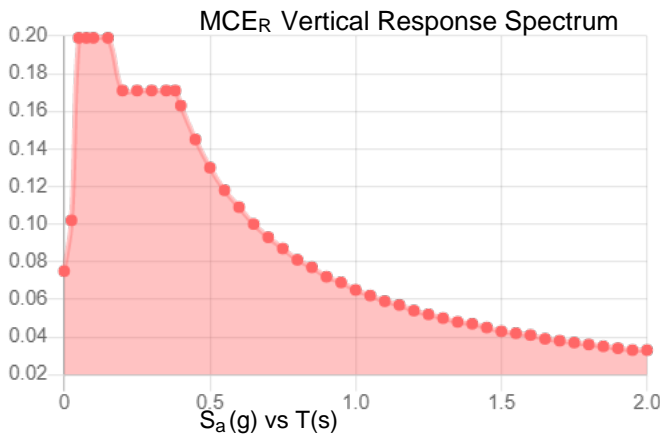
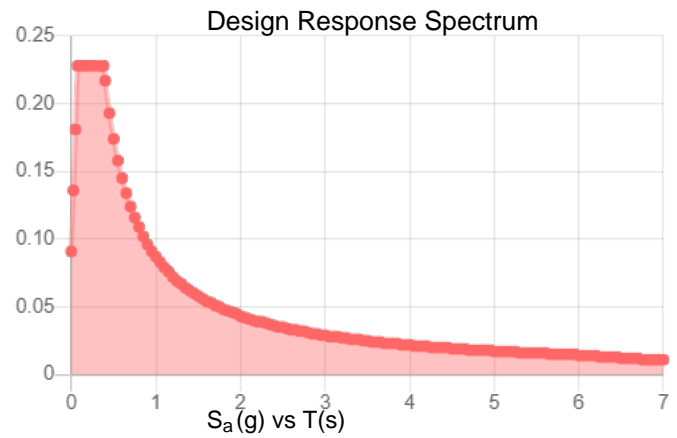
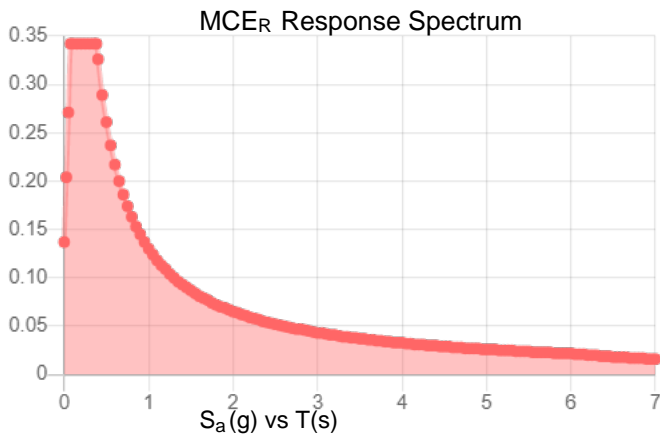


Site Soil Class: D - Default (see Section 11.4.3)

Results:

S_S :	0.214	S_{D1} :	0.087
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.122
F_v :	2.4	PGA _M :	0.19
S_{MS} :	0.342	F_{PGA} :	1.556
S_{M1} :	0.13	I_e :	1
S_{DS} :	0.228	C_v :	0.727

Seismic Design Category B



Data Accessed: Fri Apr 22 2022

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness: 1.00 in.
Concurrent Temperature: 15 F
Gust Speed 50 mph

Data Source: Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

Date Accessed: Fri Apr 22 2022

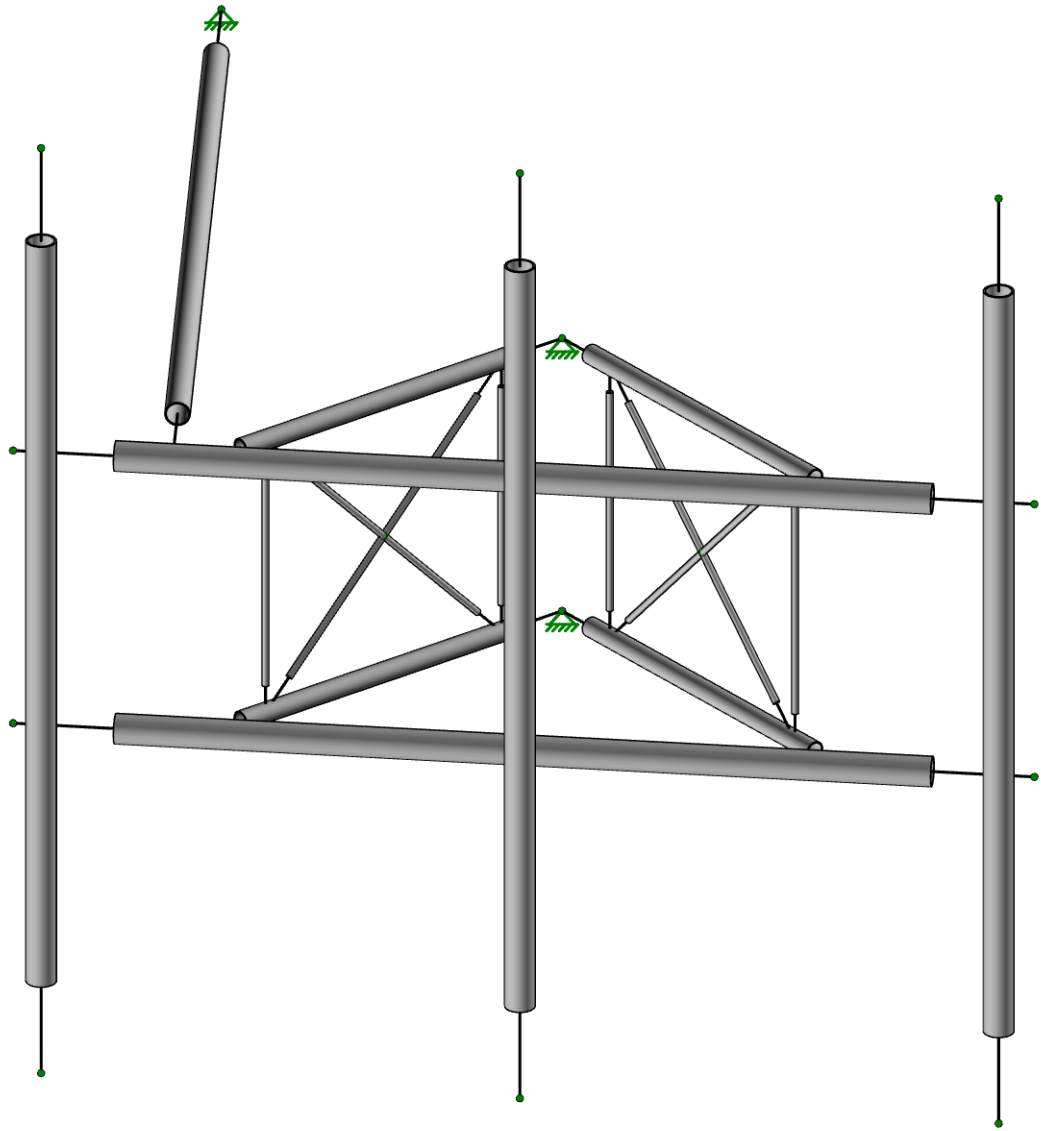
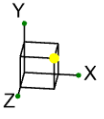
Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

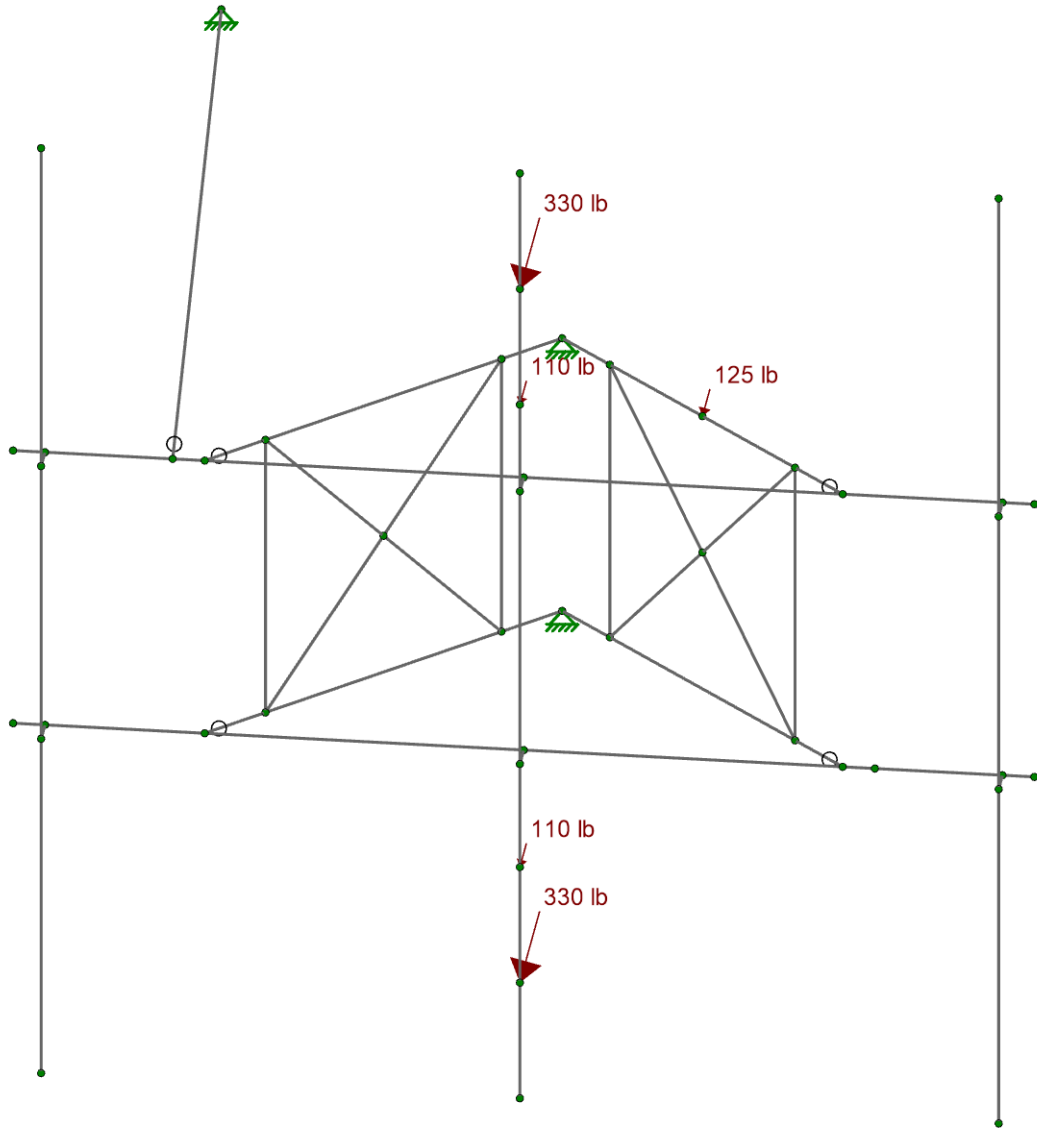
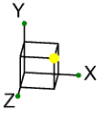
Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.





Loads: BLC 4, Telco Wz

Magaram Engineering

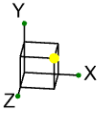
BJM

NJJER02044B

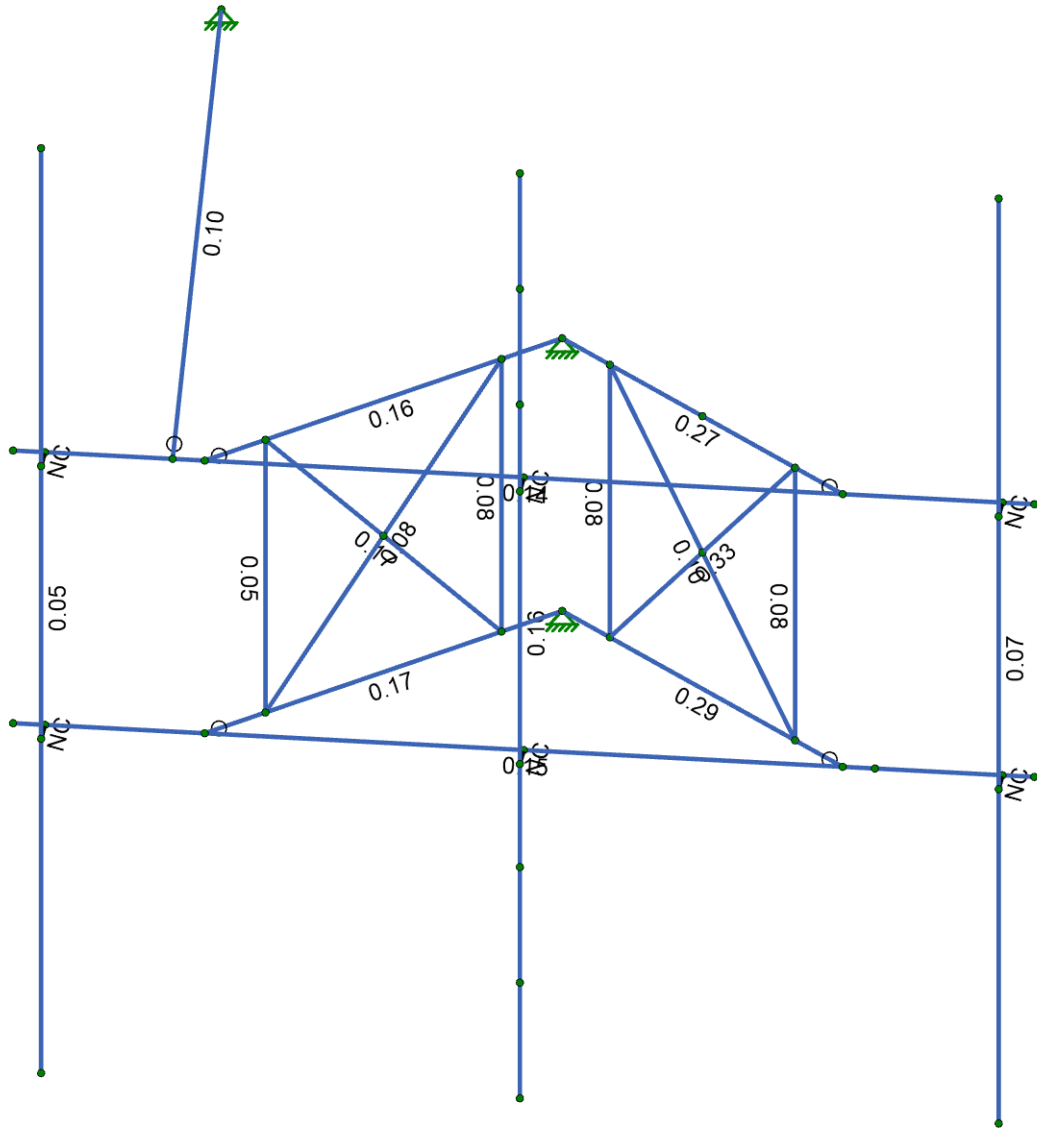
SK-2

Apr 22, 2022

NJJER02044B.r3d



Code Check (Env)	
Black	No Calc
Red	> 1.0
Magenta	.90-1.0
Green	.75-.90
Cyan	.50-.75
Blue	0-.50



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Magaram Engineering	NJJER02044B	SK-3
BJM		Apr 22, 2022
		NJJER02044B.r3d

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁵ F ⁻¹]	Density [k/ft ³]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
2	A529 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
3	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.42	29000	11154	0.3	0.65	0.49	42	1.4	58	1.3
5	A500 Gr.46	29000	11154	0.3	0.65	0.49	46	1.4	58	1.3
6	A53 Gr B	29000	11154	0.3	0.65	0.49	35	1.5	58	1.2

General Materials Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e ⁵ F ⁻¹]	Density [k/ft ³]	Plate Methodology
1	gen_Conc3NW	3155	1372	0.15	0.6	0.145	Isotropic
2	gen_Conc4NW	3644	1584	0.15	0.6	0.145	Isotropic
3	gen_Conc3LW	2085	906	0.15	0.6	0.11	Isotropic
4	gen_Conc4LW	2408	1047	0.15	0.6	0.11	Isotropic
5	gen_Alum	10100	4077	0.3	1.29	0.173	Isotropic
6	gen_Steel	29000	11154	0.3	0.65	0.49	Isotropic
7	gen_Plywood	1800	38	0	0.3	0.035	Isotropic
8	RIGID	1e+6		0.3	0	0	Isotropic

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	Face Horizontal	PIPE 2.5	None	None	A500 Gr.46	Typical	1.61	1.45	1.45	2.89
2	Standoff Arms	1.9" ODx0.12"	None	None	A500 Gr.46	Typical	0.671	0.267	0.267	0.534
3	Diagonal	0.63" SR	None	None	A529 Gr.50	Typical	0.312	0.008	0.008	0.015
4	Mount Pipe	PIPE 2.5	HBrace	Pipe	A500 Gr.46	Typical	1.61	1.45	1.45	2.89
5	Tie Back	Pipe2.38X0.12	None	None	A500 Gr.46	Typical	0.852	0.545	0.545	1.091
6	End Support Pipe	3.5"x0.120	None	None	A500 Gr.46	Typical	1.274	1.822	1.822	3.644
7	Standoff Vertical	0.63" SR	None	None	A529 Gr.50	Typical	0.312	0.008	0.008	0.015

General Section Sets

	Label	Shape	Type	Material	Area [in ²]	Iyy [in ⁴]	Izz [in ⁴]	J [in ⁴]
1	GEN1A	RE4X4	Beam	gen_Conc3NW	16	21.333	21.333	31.573
2	RIGID		None	RIGID	1e+06	1e+06	1e+06	1e+06

Member Primary Data

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
1	M1	N2	N1	Standoff Arms	None	None	A500 Gr.46	Typical
2	M2	N7	N6	Standoff Arms	None	None	A500 Gr.46	Typical
3	M3	N3	N8	Standoff Vertical	None	None	A529 Gr.50	Typical
4	M4	N4	N9	Standoff Vertical	None	None	A529 Gr.50	Typical
5	M5	N4	N8	Diagonal	None	None	A529 Gr.50	Typical
6	M6	N3	N9	Diagonal	None	None	A529 Gr.50	Typical
7	M7	N10	N1	Standoff Arms	None	None	A500 Gr.46	Typical
8	M8	N14	N6	Standoff Arms	None	None	A500 Gr.46	Typical
9	M9	N11	N15	Standoff Vertical	None	None	A529 Gr.50	Typical
10	M10	N12	N16	Standoff Vertical	None	None	A529 Gr.50	Typical
11	M11	N12	N15	Diagonal	None	None	A529 Gr.50	Typical
12	M12	N11	N16	Diagonal	None	None	A529 Gr.50	Typical
13	M13	N16A	N15A	Face Horizontal	None	None	A500 Gr.46	Typical
14	M14	N18	N17	Face Horizontal	None	None	A500 Gr.46	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Section/Shape	Type	Design List	Material	Design Rule
15	MP1	N22	N21	Mount Pipe	HBrace	Pipe	A500 Gr.46	Typical
16	MP3	N20	N19	Mount Pipe	HBrace	Pipe	A500 Gr.46	Typical
17	MP2	N34	N33	Mount Pipe	HBrace	Pipe	A500 Gr.46	Typical
18	M27A	N37	N38	Tie Back	None	None	A500 Gr.46	Typical
19	M29	N25	N67	RIGID	None	None	RIGID	Typical
20	M30	N27	N69	RIGID	None	None	RIGID	Typical
21	M33	N35	N73	RIGID	None	None	RIGID	Typical
22	M34	N36	N74	RIGID	None	None	RIGID	Typical
23	M35	N26	N68	RIGID	None	None	RIGID	Typical
24	M36	N28	N70	RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	Physical	Deflection Ratio Options	Seismic DR
1	M1	BenPIN	Yes	** NA **	None
2	M2	BenPIN	Yes	** NA **	None
3	M3		Yes	** NA **	None
4	M4		Yes	** NA **	None
5	M5		Yes	** NA **	None
6	M6		Yes	** NA **	None
7	M7	BenPIN	Yes	** NA **	None
8	M8	BenPIN	Yes	** NA **	None
9	M9		Yes	** NA **	None
10	M10		Yes	** NA **	None
11	M11		Yes	** NA **	None
12	M12		Yes	** NA **	None
13	M13		Yes	** NA **	None
14	M14		Yes	** NA **	None
15	MP1		Yes	** NA **	None
16	MP3		Yes	** NA **	None
17	MP2		Yes	** NA **	None
18	M27A	BenPIN	Yes	** NA **	None
19	M29		Yes	** NA **	None
20	M30		Yes	** NA **	None
21	M33		Yes	** NA **	None
22	M34		Yes	** NA **	None
23	M35		Yes	** NA **	None
24	M36		Yes	** NA **	None

Hot Rolled Steel Design Parameters

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	L-Torque [in]	K y-y	K z-z	Function
1	M1	Standoff Arms	42.4			Lbyy					Lateral
2	M2	Standoff Arms	42.4			Lbyy					Lateral
3	M3	Standoff Vertical	28.3			Lbyy			0.65	0.65	Lateral
4	M4	Standoff Vertical	28.3			Lbyy			0.65	0.65	Lateral
5	M5	Diagonal	39.811			Lbyy			0.7	0.7	Lateral
6	M6	Diagonal	39.811			Lbyy			0.5	0.5	Lateral
7	M7	Standoff Arms	42.4			Lbyy					Lateral
8	M8	Standoff Arms	42.4			Lbyy					Lateral
9	M9	Standoff Vertical	28.3			Lbyy			0.65	0.65	Lateral
10	M10	Standoff Vertical	28.3			Lbyy			0.65	0.65	Lateral
11	M11	Diagonal	39.811			Lbyy			0.7	0.7	Lateral
12	M12	Diagonal	39.811			Lbyy			0.5	0.5	Lateral
13	M13	Face Horizontal	96	Segment	Segment	Segment	Segment	Segment			Lateral

Hot Rolled Steel Design Parameters (Continued)

Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	L-Torque [in]	K y-y	K z-z	Function
14	M14	Face Horizontal	96			Lbyy				Lateral
15	MP1	Mount Pipe	96			Lbyy				Lateral
16	MP3	Mount Pipe	96			Lbyy				Lateral
17	MP2	Mount Pipe	96			Lbyy				Lateral
18	M27A	Tie Back	96.255							Lateral

Member RISACONNECTION PROPERTIES

	Label	Shape	Start Conn	End Conn	Start Release	End Release
1	M1	1.9" ODx0.12"	None	None	Pinned	Fixed
2	M2	1.9" ODx0.12"	None	None	Pinned	Fixed
3	M3	0.63" SR	None	None	Fixed	Fixed
4	M4	0.63" SR	None	None	Fixed	Fixed
5	M5	0.63" SR	None	None	Fixed	Fixed
6	M6	0.63" SR	None	None	Fixed	Fixed
7	M7	1.9" ODx0.12"	None	None	Pinned	Fixed
8	M8	1.9" ODx0.12"	None	None	Pinned	Fixed
9	M9	0.63" SR	None	None	Fixed	Fixed
10	M10	0.63" SR	None	None	Fixed	Fixed
11	M11	0.63" SR	None	None	Fixed	Fixed
12	M12	0.63" SR	None	None	Fixed	Fixed
13	M13	PIPE 2.5	None	None	Fixed	Fixed
14	M14	PIPE 2.5	None	None	Fixed	Fixed
15	MP1	PIPE 2.5	None	None	Fixed	Fixed
16	MP3	PIPE 2.5	None	None	Fixed	Fixed
17	MP2	PIPE 2.5	None	None	Fixed	Fixed
18	M27A	Pipe2.38X0.12	None	None	Pinned	Fixed

Design Size and Code Check Parameters

Label	Max Axial/Bending Chk	Max Shear Chk
1 Typical	1	1

Concrete Rebar Parameters

Label	Optimize Rebar ?	Min Flex Bar	Max Flex Bar	Shear Bar	Legs per Stirrup	Top (Column) Cover [in]	Bottom Cover [in]	Side Cover [in]	Top/Bottom Bars	Add'l Side Bars	Shear Bar Spacing [in]
1 Typical	Optimize	#6	#10	#4	2	1.5	1.5	1.5	2	1	12

Deflection Design

Label	LC	Ratio	LC	Ratio	LC	Ratio
1 Typical	None	N/A	None	N/A	None	N/A

Wall Panel U.C. Parameters

Label	Max Bending Chk	Max Shear Chk
1 Typical	1	1

Frame / HR Column Seismic Design Rule

	Label	Frame Ductility	Overstrength Req'd
1	OCBF	Minimal	Yes
2	SCBF	High	Yes

Frame / HR Column Seismic Design Rule (Continued)

	Label	Frame Ductility	Overstrength Req'd
3	OMF	Minimal	Yes
4	IMF	Moderate	Yes
5	SMF-RBS	High	Yes
6	SMF-Kaiser	High	Yes

HR Beam Seismic Design Rule

	Label	Connection	Overstrength Req'd	Z Factor	Hinge Location [in]
1	OCBF	Other/None			
2	SCBF	Other/None	Yes		
3	OMF	BUEEP			12
4	IMF	BFP			12
5	SMF-RBS	RBS		0.685	14.625
6	SMF-Kaiser	KBB-B			12

HR Brace Seismic Design Rule

	Label	Overstrength Req'd	KL/r
1	OCBF		
2	SCBF		Yes
3	OMF		
4	IMF		
5	SMF-RBS		
6	SMF-Kaiser		

Connection Design Rules

	Label	Conn Type	Type	Beam Conn	Col/Girder Conn	Conn Eccentricity
1	Col/Bm Single Angle Shear	Shear	Column/Beam Clip Single Angle Shear	Bolted	Bolted	1.5
2	Col/Bm Double Angle Shear	Shear	Column/Beam Clip Double Angle Shear	Bolted	Bolted	0
3	Col/Bm Two Side Clip Angle Shear	Shear	Column/Beam Clip Double Angle (Both Side) Shear	Bolted	Bolted	N/A
4	Col/Bm End Plate Shear	Shear	Column/Beam End-Plate Shear	N/A	Bolted	N/A
5	Col/Bm Shear Tab Shear	Shear	Column/Beam Shear Tab Shear	Bolted	N/A	0
6	Girder/Bm Single Angle Shear	Shear	Girder/Beam Clip Single Angle Shear	Bolted	Bolted	N/A
7	Girder/Bm Double Angle Shear	Shear	Girder/Beam Clip Double Angle Shear	Bolted	Bolted	N/A
8	Grd/Bm Two Side Clip Angle Shear	Shear	Girder/Beam Clip Double Angle (Both Side) Shear	Bolted	Bolted	N/A
9	Girder/Bm End Plate Shear	Shear	Girder/Beam End-Plate Shear	N/A	Bolted	N/A
10	Girder/Bm Shear Tab Shear	Shear	Girder/Beam Shear Tab Shear	Bolted	N/A	N/A
11	Beam Shear Splice	Shear	Beam Shear Tab Splice	Bolted	N/A	N/A
12	Column Shear Splice	Shear	Column Shear Tab Splice	N/A	Bolted	N/A
13	Col/Bm Ext. End Plate Moment	Moment	Column/Beam Extended End-Plate Moment	N/A	N/A	N/A
14	Col/Bm PartExt. End Plate Moment	Moment	Column/Beam Partially Extended End-Plate Moment (Tension side)	N/A	N/A	N/A
15	Col/Bm Flush End Plate Moment	Moment	Column/Beam Flush End-Plate Moment	N/A	N/A	N/A
16	Col/Bm Flange Plate Moment	Moment	Column/Beam Flange Plate Moment	Bolted	N/A	N/A
17	Col/Bm Direct Weld Moment	Moment	Column/Beam Direct Weld Moment	Bolted	N/A	N/A
18	Col/Bm Seismic Moment	Moment	Column/Beam Seismic Moment	N/A	N/A	N/A
19	Beam Moment Plate Splice	Moment	Beam Moment Plate Splice	Bolted	N/A	N/A
20	Column Moment Plate Splice	Moment	Column Moment Plate Splice	N/A	N/A	N/A
21	Beam Direct Weld Moment Splice	Moment	Beam Direct Weld Splice	Bolted	N/A	N/A
22	Col Direct Weld Moment Splice	Moment	Column Direct Weld Splice	N/A	Bolted	N/A
23	Bm Ext. End Plate Moment Splice	Moment	Beam Extended End Plate Splice	Bolted	N/A	N/A
24	Col Ext. End Plate Moment Splice	Moment	Column Extended End Plate Splice	N/A	Bolted	N/A
25	Diagonal Vertical Brace	Brace	Diagonal Vertical Brace	N/A	N/A	N/A
26	Chevron Vertical Brace	Brace	Chevron Vertical Brace	N/A	N/A	N/A
27	Seismic Diagonal Brace	Brace	Diagonal Brace Seismic	N/A	N/A	N/A

Connection Design Rules (Continued)

	Label	Conn Type	Type	Beam Conn	Col/Girder Conn	Eccentricity
28	Seismic Chevron Brace	Brace	Chevron Brace Seismic	N/A	N/A	N/A
29	Knee Brace	Brace	Knee Brace	N/A	N/A	N/A
30	Single Column Base Plate	Baseplate	Single Column Baseplate	N/A	N/A	N/A
31	Base Plate with Vertical Brace	Baseplate	Brace to Column Base Plate	N/A	N/A	N/A
32	HSS Truss Connection	Truss	HSS T-Connection	N/A	N/A	N/A

Node Loads and Enforced Displacements (BLC 1 : Telco DL)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N42	L	Y	-45
2	N43	L	Y	-45
3	N44	L	Y	-80
4	N45	L	Y	-80
5	N46	L	Y	-32

Node Loads and Enforced Displacements (BLC 2 : Telco DLi)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N42	L	Y	-90
2	N43	L	Y	-90
3	N44	L	Y	-30
4	N45	L	Y	-30
5	N46	L	Y	-40

Node Loads and Enforced Displacements (BLC 3 : Telco Wx)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N42	L	X	330
2	N43	L	X	330
3	N44	L	X	110
4	N45	L	X	110
5	N46	L	X	125

Node Loads and Enforced Displacements (BLC 4 : Telco Wz)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N42	L	Z	330
2	N43	L	Z	330
3	N44	L	Z	110
4	N45	L	Z	110
5	N46	L	Z	125

Node Loads and Enforced Displacements (BLC 5 : Telco Wxi)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N42	L	X	120
2	N43	L	X	120
3	N44	L	X	25
4	N45	L	X	25
5	N46	L	X	25

Node Loads and Enforced Displacements (BLC 6 : Telco Wzi)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N42	L	Z	120
2	N43	L	Z	120
3	N44	L	Z	25
4	N45	L	Z	25
5	N46	L	Z	25

Node Loads and Enforced Displacements (BLC 19 : Lm)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N33	L	Y	-500

Node Loads and Enforced Displacements (BLC 20 : Lv)

	Node Label	L, D, M	Direction	Magnitude [(lb, k-ft), (in, rad), (lb*s ² /in, lb*s ² *in)]
1	N15A	L	Y	-250
2	N17	L	Y	-250

Member Point Loads

No Data to Print...				
---------------------	--	--	--	--

Basic Load Cases

	BLC Description	Category	Y Gravity	Nodal	Distributed
1	Telco DL	DL		5	
2	Telco DLi	OL1		5	
3	Telco Wx	WLX		5	
4	Telco Wz	WLZ		5	
5	Telco Wxi	WLXP1		5	
6	Telco Wzi	WLZP1		5	
7	Telco Wxm	WLXP2			
8	Telco Wzm	WLZP2			
9	-	None			
10	Mount DL	DL	-1.1		
11	Mount DLi	OL1			18
12	Mount Wx	WLX			18
13	Mount Wz	WLZ			18
14	Mount Wxi	WLXP1			18
15	Mount Wzi	WLZP1			18
16	Mount Wxm	WLXP2			
17	Mount Wzm	WLZP2			
18	-	None			
19	Lm	None		1	
20	Lv	None		2	

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	1.4D	Yes	Y	DL	1.4						
2	Wind LCs (Case 1)										
3	1.2D + 1.0W (0)	Yes	Y	DL	1.2			WLX	1	WLZ	
4	1.2D + 1.0W (30)	Yes	Y	DL	1.2			WLX	0.866	WLZ	0.5
5	1.2D + 1.0W (45)	Yes	Y	DL	1.2			WLX	0.707	WLZ	0.707
6	1.2D + 1.0W (60)	Yes	Y	DL	1.2			WLX	0.5	WLZ	0.866

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
7	1.2D + 1.0W (90)	Yes	Y	DL	1.2			WLX		WLZ	1
8	1.2D + 1.0W (120)	Yes	Y	DL	1.2			WLX	-0.5	WLZ	0.866
9	1.2D + 1.0W (135)	Yes	Y	DL	1.2			WLX	-0.707	WLZ	0.707
10	1.2D + 1.0W (150)	Yes	Y	DL	1.2			WLX	-0.866	WLZ	0.5
11	1.2D + 1.0W (180)	Yes	Y	DL	1.2			WLX	-1	WLZ	
12	1.2D + 1.0W (210)	Yes	Y	DL	1.2			WLX	-0.866	WLZ	-0.5
13	1.2D + 1.0W (225)	Yes	Y	DL	1.2			WLX	-0.707	WLZ	-0.707
14	1.2D + 1.0W (240)	Yes	Y	DL	1.2			WLX	-0.5	WLZ	-0.866
15	1.2D + 1.0W (270)	Yes	Y	DL	1.2			WLX		WLZ	-1
16	1.2D + 1.0W (300)	Yes	Y	DL	1.2			WLX	0.5	WLZ	-0.866
17	1.2D + 1.0W (315)	Yes	Y	DL	1.2			WLX	0.707	WLZ	-0.707
18	1.2D + 1.0W (330)	Yes	Y	DL	1.2			WLX	0.866	WLZ	-0.5
19	Uplift LCs (Case 2)										
20	1.2D + 1.0W (0)	Yes	Y	DL	0.9			WLX	1	WLZ	
21	1.2D + 1.0W (30)	Yes	Y	DL	0.9			WLX	0.866	WLZ	0.5
22	1.2D + 1.0W (45)	Yes	Y	DL	0.9			WLX	0.707	WLZ	0.707
23	1.2D + 1.0W (60)	Yes	Y	DL	0.9			WLX	0.5	WLZ	0.866
24	1.2D + 1.0W (90)	Yes	Y	DL	0.9			WLX		WLZ	1
25	1.2D + 1.0W (120)	Yes	Y	DL	0.9			WLX	-0.5	WLZ	0.866
26	1.2D + 1.0W (135)	Yes	Y	DL	0.9			WLX	-0.707	WLZ	0.707
27	1.2D + 1.0W (150)	Yes	Y	DL	0.9			WLX	-0.866	WLZ	0.5
28	1.2D + 1.0W (180)	Yes	Y	DL	0.9			WLX	-1	WLZ	
29	1.2D + 1.0W (210)	Yes	Y	DL	0.9			WLX	-0.866	WLZ	-0.5
30	1.2D + 1.0W (225)	Yes	Y	DL	0.9			WLX	-0.707	WLZ	-0.707
31	1.2D + 1.0W (240)	Yes	Y	DL	0.9			WLX	-0.5	WLZ	-0.866
32	1.2D + 1.0W (270)	Yes	Y	DL	0.9			WLX		WLZ	-1
33	1.2D + 1.0W (300)	Yes	Y	DL	0.9			WLX	0.5	WLZ	-0.866
34	1.2D + 1.0W (315)	Yes	Y	DL	0.9			WLX	0.707	WLZ	-0.707
35	1.2D + 1.0W (330)	Yes	Y	DL	0.9			WLX	0.866	WLZ	-0.5
36	Ice LCs (Case 3)										
37	1.2D + 1.0Di + 1.0Wi (0)	Yes	Y	DL	1.2	OL1	1	WLXP1	1	WLZP1	
38	1.2D + 1.0W (30)	Yes	Y	DL	1.2	OL1	1	WLXP1	0.866	WLZP1	0.5
39	1.2D + 1.0W (45)	Yes	Y	DL	1.2	OL1	1	WLXP1	0.707	WLZP1	0.707
40	1.2D + 1.0W (60)	Yes	Y	DL	1.2	OL1	1	WLXP1	0.5	WLZP1	0.866
41	1.2D + 1.0W (90)	Yes	Y	DL	1.2	OL1	1	WLXP1		WLZP1	1
42	1.2D + 1.0W (120)	Yes	Y	DL	1.2	OL1	1	WLXP1	-0.5	WLZP1	0.866
43	1.2D + 1.0W (135)	Yes	Y	DL	1.2	OL1	1	WLXP1	-0.707	WLZP1	0.707
44	1.2D + 1.0W (150)	Yes	Y	DL	1.2	OL1	1	WLXP1	-0.866	WLZP1	0.5
45	1.2D + 1.0W (180)	Yes	Y	DL	1.2	OL1	1	WLXP1	-1	WLZP1	
46	1.2D + 1.0W (210)	Yes	Y	DL	1.2	OL1	1	WLXP1	-0.866	WLZP1	-0.5
47	1.2D + 1.0W (225)	Yes	Y	DL	1.2	OL1	1	WLXP1	-0.707	WLZP1	-0.707
48	1.2D + 1.0W (240)	Yes	Y	DL	1.2	OL1	1	WLXP1	-0.5	WLZP1	-0.866
49	1.2D + 1.0W (270)	Yes	Y	DL	1.2	OL1	1	WLXP1		WLZP1	-1
50	1.2D + 1.0W (300)	Yes	Y	DL	1.2	OL1	1	WLXP1	0.5	WLZP1	-0.866
51	1.2D + 1.0W (315)	Yes	Y	DL	1.2	OL1	1	WLXP1	0.707	WLZP1	-0.707
52	1.2D + 1.0W (330)	Yes	Y	DL	1.2	OL1	1	WLXP1	0.866	WLZP1	-0.5
53	Maintenance LCs (Case 3)										
54	1.2D + 1.0Di + 1.0Wi (0)	Yes	Y	DL	1.2	19	1.5	WLXP2	1	WLZP2	
55	1.2D + 1.0W (30)	Yes	Y	DL	1.2	19	1.5	WLXP2	0.866	WLZP2	0.5
56	1.2D + 1.0W (45)	Yes	Y	DL	1.2	19	1.5	WLXP2	0.707	WLZP2	0.707
57	1.2D + 1.0W (60)	Yes	Y	DL	1.2	19	1.5	WLXP2	0.5	WLZP2	0.866
58	1.2D + 1.0W (90)	Yes	Y	DL	1.2	19	1.5	WLXP2		WLZP2	1
59	1.2D + 1.0W (120)	Yes	Y	DL	1.2	19	1.5	WLXP2	-0.5	WLZP2	0.866
60	1.2D + 1.0W (135)	Yes	Y	DL	1.2	19	1.5	WLXP2	-0.707	WLZP2	0.707
61	1.2D + 1.0W (150)	Yes	Y	DL	1.2	19	1.5	WLXP2	-0.866	WLZP2	0.5

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
62	1.2D + 1.0W (180)	Yes	Y	DL	1.2	19	1.5	WLXP2	-1	WLZP2	
63	1.2D + 1.0W (210)	Yes	Y	DL	1.2	19	1.5	WLXP2	-0.866	WLZP2	-0.5
64	1.2D + 1.0W (225)	Yes	Y	DL	1.2	19	1.5	WLXP2	-0.707	WLZP2	-0.707
65	1.2D + 1.0W (240)	Yes	Y	DL	1.2	19	1.5	WLXP2	-0.5	WLZP2	-0.866
66	1.2D + 1.0W (270)	Yes	Y	DL	1.2	19	1.5	WLXP2		WLZP2	-1
67	1.2D + 1.0W (300)	Yes	Y	DL	1.2	19	1.5	WLXP2	0.5	WLZP2	-0.866
68	1.2D + 1.0W (315)	Yes	Y	DL	1.2	19	1.5	WLXP2	0.707	WLZP2	-0.707
69	1.2D + 1.0W (330)	Yes	Y	DL	1.2	19	1.5	WLXP2	0.866	WLZP2	-0.5
70	1.2D + 1.5Lv	Yes	Y	DL	1.2	20	1.5				

Load Combination Design

	Description	Service	Hot Rolled	Cold Formed	Wood	Concrete	Masonry	Aluminum	Stainless	Connection
1	1.4D		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	Wind LCs (Case 1)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3	1.2D + 1.0W (0)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	1.2D + 1.0W (30)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	1.2D + 1.0W (45)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6	1.2D + 1.0W (60)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7	1.2D + 1.0W (90)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
8	1.2D + 1.0W (120)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
9	1.2D + 1.0W (135)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10	1.2D + 1.0W (150)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
11	1.2D + 1.0W (180)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12	1.2D + 1.0W (210)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13	1.2D + 1.0W (225)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14	1.2D + 1.0W (240)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15	1.2D + 1.0W (270)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
16	1.2D + 1.0W (300)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
17	1.2D + 1.0W (315)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
18	1.2D + 1.0W (330)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
19	Uplift LCs (Case 2)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20	1.2D + 1.0W (0)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
21	1.2D + 1.0W (30)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
22	1.2D + 1.0W (45)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
23	1.2D + 1.0W (60)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
24	1.2D + 1.0W (90)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25	1.2D + 1.0W (120)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26	1.2D + 1.0W (135)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
27	1.2D + 1.0W (150)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28	1.2D + 1.0W (180)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
29	1.2D + 1.0W (210)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
30	1.2D + 1.0W (225)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
31	1.2D + 1.0W (240)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
32	1.2D + 1.0W (270)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
33	1.2D + 1.0W (300)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
34	1.2D + 1.0W (315)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
35	1.2D + 1.0W (330)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
36	Ice LCs (Case 3)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
37	1.2D + 1.0Di + 1.0Wi (0)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
38	1.2D + 1.0W (30)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
39	1.2D + 1.0W (45)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
40	1.2D + 1.0W (60)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
41	1.2D + 1.0W (90)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
42	1.2D + 1.0W (120)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
43	1.2D + 1.0W (135)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Load Combination Design (Continued)

	Description	Service	Hot Rolled	Cold Formed	Wood	Concrete	Masonry	Aluminum	Stainless	Connection
44	1.2D + 1.0W (150)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
45	1.2D + 1.0W (180)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
46	1.2D + 1.0W (210)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
47	1.2D + 1.0W (225)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
48	1.2D + 1.0W (240)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
49	1.2D + 1.0W (270)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
50	1.2D + 1.0W (300)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
51	1.2D + 1.0W (315)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
52	1.2D + 1.0W (330)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
53	Maintenance LCs (Case 3)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
54	1.2D + 1.0Di + 1.0Wi (0)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
55	1.2D + 1.0W (30)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
56	1.2D + 1.0W (45)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
57	1.2D + 1.0W (60)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
58	1.2D + 1.0W (90)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
59	1.2D + 1.0W (120)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
60	1.2D + 1.0W (135)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
61	1.2D + 1.0W (150)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
62	1.2D + 1.0W (180)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
63	1.2D + 1.0W (210)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
64	1.2D + 1.0W (225)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
65	1.2D + 1.0W (240)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
66	1.2D + 1.0W (270)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
67	1.2D + 1.0W (300)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
68	1.2D + 1.0W (315)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
69	1.2D + 1.0W (330)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
70	1.2D + 1.5Lv		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

AISC 15TH (360-16): LRFD Member Steel Code Checks

No Data to Print...													
---------------------	--	--	--	--	--	--	--	--	--	--	--	--	--

Envelope Node Reactions

Node Label		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N1	max	752.141	28	735.434	70	1081.473	35	0	70	0	70	0	70
2		min	-1273.762	70	221.302	24	-2395.405	10	0	1	0	1	0	1
3	N6	max	1273.734	70	735.093	69	1724.624	49	0	70	0	70	0	70
4		min	-746.952	20	231.013	32	-306.621	24	0	1	0	1	0	1
5	N38	max	149.33	28	35.618	37	1337.674	28	0	70	0	70	0	70
6		min	-149.796	20	11.41	30	-1338.607	20	0	1	0	1	0	1
7	Totals:	max	1652.723	11	1482.752	69	1796.304	32						
8		min	-1652.723	20	549.56	28	-1796.304	7						

Envelope Node Displacements

Node Label		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [rad]	LC	Y Rotation [rad]	LC	Z Rotation [rad]	LC	
1	N1	max	0	70	0	24	0	10	4.263e-3	69	1.703e-3	35	1.286e-3	20
2		min	0	28	0	70	0	35	1.456e-3	35	-1.689e-3	10	-3.257e-3	70
3	N2	max	0.015	20	-0.005	21	0.019	11	1.683e-3	6	3.039e-3	23	1.481e-3	69
4		min	-0.017	11	-0.086	70	-0.015	20	-1.345e-3	31	-3.075e-3	14	-1.787e-3	70
5	N3	max	0.02	20	-0.002	20	0.023	11	2.432e-3	69	1.384e-3	25	1.149e-3	21
6		min	-0.021	11	-0.047	70	-0.02	20	3.347e-5	29	-1.495e-3	16	-3.462e-3	70
7	N4	max	0.01	35	-0.001	20	0.01	10	3.322e-3	38	1.977e-3	35	1.165e-3	3
8		min	-0.01	10	-0.034	70	-0.01	35	9.874e-4	30	-2.045e-3	10	-2.245e-3	70
9	N6	max	0	20	0	32	0	24	4.271e-3	69	2.137e-3	20	1.273e-3	20

Envelope Node Displacements (Continued)

Node Label		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [rad]	LC	Y Rotation [rad]	LC	Z Rotation [rad]	LC	
10		min	0	70	0	54	0	49	1.492e-3	22	-2.205e-3	11	-3.265e-3	70
11	N7	max	0.051	20	0.003	20	0.05	28	1.772e-3	16	3.381e-3	23	1.483e-3	69
12		min	-0.053	11	-0.087	70	-0.05	3	-1.439e-3	25	-3.446e-3	14	-1.776e-3	70
13	N8	max	0.044	20	-0.001	20	0.044	28	2.483e-3	69	1.293e-3	20	1.337e-3	35
14		min	-0.046	11	-0.047	70	-0.044	3	4.298e-4	22	-1.342e-3	11	-3.515e-3	70
15	N9	max	0.011	20	-0.002	20	0.011	28	3.213e-3	52	2.09e-3	3	1.034e-3	3
16		min	-0.011	11	-0.034	70	-0.011	3	9.866e-4	27	-2.091e-3	11	-2.199e-3	70
17	N10	max	0.014	21	-0.008	27	0.011	4	1.943e-3	9	2.599e-3	31	5.79e-4	20
18		min	-0.016	12	-0.051	54	-0.011	29	-1.597e-3	34	-2.679e-3	6	-1.487e-3	54
19	N11	max	0.016	20	-0.004	28	0.013	4	2.659e-3	69	4.338e-4	25	1.627e-3	18
20		min	-0.017	11	-0.027	37	-0.012	29	-4.873e-5	20	-5.342e-4	17	-1.169e-3	27
21	N12	max	0.007	20	-0.001	28	0.007	3	3.276e-3	45	1.18e-3	3	9.631e-4	20
22		min	-0.008	11	-0.021	37	-0.006	28	7.584e-4	35	-1.124e-3	28	-2.768e-3	70
23	N14	max	0.051	20	-0.001	28	0.049	20	2.054e-3	13	2.509e-3	32	-1.956e-5	35
24		min	-0.053	11	-0.05	54	-0.053	11	-1.694e-3	22	-2.573e-3	7	-1.474e-3	54
25	N15	max	0.044	20	-0.003	28	0.043	20	2.631e-3	69	1.3e-3	20	1.817e-3	4
26		min	-0.046	11	-0.028	37	-0.046	11	6.042e-4	23	-1.36e-3	11	-1.414e-3	29
27	N16	max	0.011	20	-0.001	28	0.01	20	3.244e-3	46	2.03e-3	20	7.862e-4	20
28		min	-0.011	11	-0.021	37	-0.011	11	8.184e-4	21	-2.16e-3	11	-2.772e-3	70
29	N15A	max	0.015	20	0.018	20	0.07	13	1.486e-3	4	3.011e-3	23	1.288e-3	3
30		min	-0.017	11	-0.124	70	-0.064	22	-1.236e-3	29	-3.142e-3	14	-1.951e-3	70
31	N16A	max	0.014	21	0.015	28	0.035	15	2.046e-3	10	2.258e-3	15	1.204e-3	20
32		min	-0.016	12	-0.049	3	-0.035	24	-1.803e-3	35	-2.254e-3	24	-1.387e-3	11
33	N17	max	0.051	20	0.018	20	0.095	12	1.578e-3	18	3.08e-3	6	1.081e-3	3
34		min	-0.053	11	-0.124	70	-0.095	4	-1.339e-3	27	-3.052e-3	31	-1.932e-3	70
35	N18	max	0.051	20	0.015	28	0.062	35	2.153e-3	12	2.195e-3	32	9.895e-4	20
36		min	-0.053	11	-0.048	3	-0.068	10	-1.889e-3	21	-2.353e-3	7	-1.256e-3	70
37	N19	max	0.063	70	0.01	20	0.019	14	1.623e-3	5	3.011e-3	23	1.066e-3	3
38		min	-0.023	17	-0.115	70	-0.027	70	-1.374e-3	30	-3.142e-3	14	-1.901e-3	70
39	N20	max	0.1	3	0.01	20	0.116	28	1.723e-3	17	3.08e-3	6	1.339e-3	3
40		min	-0.102	70	-0.115	70	-0.124	3	-1.485e-3	26	-3.052e-3	31	-1.881e-3	70
41	N21	max	0.041	70	0.005	28	0.065	11	2.157e-3	10	2.258e-3	15	9.813e-4	20
42		min	-0.021	20	-0.045	37	-0.057	20	-1.915e-3	35	-2.254e-3	24	-1.274e-3	70
43	N22	max	0.092	20	0.005	28	0.113	20	2.282e-3	12	2.195e-3	32	1.248e-3	20
44		min	-0.099	11	-0.045	37	-0.128	11	-2.018e-3	21	-2.353e-3	7	-1.402e-3	11
45	N23	max	0.031	20	-0.002	20	0.032	11	3.057e-4	22	1.177e-3	20	5.356e-4	7
46		min	-0.032	11	-0.04	70	-0.032	35	-1.53e-3	70	-1.238e-3	11	-2.945e-4	32
47	N24	max	0.029	20	-0.002	28	0.028	20	4.664e-4	28	1.019e-3	20	2.16e-4	21
48		min	-0.029	11	-0.024	37	-0.027	11	-1.053e-3	3	-1.079e-3	11	-4.94e-4	70
49	N25	max	0.014	21	0.011	28	0.028	15	2.046e-3	10	2.258e-3	15	1.204e-3	20
50		min	-0.016	12	-0.046	37	-0.028	24	-1.803e-3	35	-2.254e-3	24	-1.387e-3	11
51	N26	max	0.015	20	0.014	20	0.061	13	1.486e-3	4	3.011e-3	23	1.289e-3	3
52		min	-0.017	11	-0.118	70	-0.055	22	-1.236e-3	29	-3.142e-3	14	-1.901e-3	70
53	N27	max	0.051	20	0.011	28	0.059	35	2.153e-3	12	2.195e-3	32	9.894e-4	20
54		min	-0.053	11	-0.046	37	-0.064	10	-1.889e-3	21	-2.353e-3	7	-1.256e-3	70
55	N28	max	0.051	20	0.014	20	0.087	12	1.578e-3	18	3.08e-3	6	1.081e-3	3
56		min	-0.053	11	-0.118	70	-0.087	4	-1.339e-3	27	-3.052e-3	31	-1.882e-3	70
57	N33	max	0.091	20	-0.026	20	0.218	7	5.215e-3	7	9.233e-4	20	2.736e-3	11
58		min	-0.093	11	-0.095	54	-0.2	32	-4.802e-3	32	-9.817e-4	11	-2.723e-3	20
59	N34	max	0.206	20	-0.026	20	0.229	24	5.884e-3	15	1.833e-3	20	4.925e-3	20
60		min	-0.209	11	-0.094	54	-0.247	15	-5.471e-3	24	-1.892e-3	11	-4.937e-3	11
61	N35	max	0.015	21	-0.02	23	0.063	7	2.694e-3	7	9.233e-4	20	2.17e-4	11
62		min	-0.017	12	-0.093	54	-0.058	32	-2.282e-3	32	-9.817e-4	11	-1.183e-3	70
63	N36	max	0.051	20	-0.02	33	0.06	24	2.914e-3	15	1.833e-3	20	1.954e-3	20
64		min	-0.053	11	-0.092	54	-0.064	15	-2.5e-3	24	-1.892e-3	11	-1.967e-3	11

Envelope Node Displacements (Continued)

Node Label	X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [rad]	LC	Y Rotation [rad]	LC	Z Rotation [rad]	LC		
65	N37	max	0.014	21	-0.005	28	0.006	3	1.939e-3	9	2.532e-3	31	7.5e-4	20
66		min	-0.016	12	-0.046	54	-0.005	28	-1.614e-3	34	-2.58e-3	6	-1.393e-3	11
67	N38	max	0	20	0	30	0	20	2.611e-3	37	3.31e-3	20	5.9e-4	20
68		min	0	28	0	37	0	28	6.688e-4	28	-3.327e-3	11	-1.354e-3	11
69	N65	max	0.051	20	0.005	20	0.056	11	1.699e-3	16	3.271e-3	23	1.244e-3	69
70		min	-0.053	11	-0.092	70	-0.056	3	-1.385e-3	25	-3.304e-3	14	-2.016e-3	70
71	N67	max	0.013	20	0.005	28	0.028	15	2.046e-3	10	2.258e-3	15	1.204e-3	20
72		min	-0.014	11	-0.045	37	-0.028	24	-1.803e-3	35	-2.254e-3	24	-1.387e-3	11
73	N68	max	0.023	21	0.01	20	0.061	13	1.486e-3	4	3.011e-3	23	1.289e-3	3
74		min	-0.025	12	-0.115	70	-0.055	22	-1.236e-3	29	-3.142e-3	14	-1.901e-3	70
75	N69	max	0.051	20	0.005	28	0.059	35	2.153e-3	12	2.195e-3	32	9.894e-4	20
76		min	-0.053	11	-0.045	37	-0.064	10	-1.889e-3	21	-2.353e-3	7	-1.256e-3	70
77	N70	max	0.056	20	0.01	20	0.087	12	1.578e-3	18	3.08e-3	6	1.081e-3	3
78		min	-0.058	11	-0.115	70	-0.087	4	-1.339e-3	27	-3.052e-3	31	-1.882e-3	70
79	N73	max	0.018	20	-0.026	20	0.063	7	2.694e-3	7	9.233e-4	20	2.17e-4	11
80		min	-0.019	11	-0.095	54	-0.058	32	-2.282e-3	32	-9.817e-4	11	-1.183e-3	70
81	N74	max	0.056	20	-0.026	20	0.06	24	2.914e-3	15	1.833e-3	20	1.954e-3	20
82		min	-0.058	11	-0.094	54	-0.064	15	-2.5e-3	24	-1.892e-3	11	-1.967e-3	11
83	N42	max	0.058	20	-0.026	20	0.156	7	5.204e-3	7	9.233e-4	20	2.726e-3	11
84		min	-0.06	11	-0.095	54	-0.142	32	-4.791e-3	32	-9.817e-4	11	-2.713e-3	20
85	N43	max	0.147	20	-0.026	20	0.164	24	5.873e-3	15	1.833e-3	20	4.915e-3	20
86		min	-0.149	11	-0.094	54	-0.177	15	-5.46e-3	24	-1.892e-3	11	-4.927e-3	11
87	N44	max	0.028	20	-0.026	20	0.096	7	4.422e-3	7	9.233e-4	20	1.944e-3	11
88		min	-0.031	11	-0.095	54	-0.088	32	-4.009e-3	32	-9.817e-4	11	-1.931e-3	20
89	N45	max	0.091	20	-0.026	20	0.101	24	5.093e-3	15	1.833e-3	20	4.134e-3	20
90		min	-0.093	11	-0.094	54	-0.109	15	-4.68e-3	24	-1.892e-3	11	-4.146e-3	11
91	N46	max	0.024	35	-0.002	20	0.027	10	1.302e-3	4	6.108e-4	20	1.779e-3	69
92		min	-0.025	10	-0.04	70	-0.025	35	-1.069e-3	70	-7.209e-4	11	-1.178e-4	29

Envelope AISC 15TH (360-16): LRFD Member Steel Code Checks

Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn	
1	M1	1.9" ODx0.12"	0.27	7.508	70	0.096	42.4	70	20499.094	27779.4	1.314	1.314	1.869	H1-1b
2	M2	1.9" ODx0.12"	0.29	35.333	70	0.098	42.4	70	20499.094	27779.4	1.314	1.314	1.828	H1-1b
3	M3	0.63" SR	0.076	28.3	70	0.011	28.3	18	5162.835	14027.625	0.147	0.147	2.271	H1-1b
4	M4	0.63" SR	0.083	0	41	0.007	28.3	70	5162.835	14027.625	0.147	0.147	1.763	H1-1b
5	M5	0.63" SR	0.097	39.811	70	0.014	19.905	69	2249.534	14027.625	0.147	0.147	2.331	H1-1b
6	M6	0.63" SR	0.326	0	70	0.016	39.811	52	4409.088	14027.625	0.147	0.147	2.299	H1-1a
7	M7	1.9" ODx0.12"	0.16	35.333	69	0.079	42.4	37	20499.094	27779.4	1.314	1.314	1.835	H1-1b
8	M8	1.9" ODx0.12"	0.173	35.333	37	0.078	42.4	38	20499.094	27779.4	1.314	1.314	1.836	H1-1b
9	M9	0.63" SR	0.054	28.3	51	0.009	28.3	3	5162.835	14027.625	0.147	0.147	2.217	H1-1b
10	M10	0.63" SR	0.084	0	70	0.008	28.3	70	5162.835	14027.625	0.147	0.147	2.273	H1-1b
11	M11	0.63" SR	0.078	0	40	0.021	19.905	70	2249.534	14027.625	0.147	0.147	2.145	H1-1b
12	M12	0.63" SR	0.175	39.811	52	0.022	19.905	70	4409.088	14027.625	0.147	0.147	2.096	H1-1b*
13	M13	PIPE 2.5	0.138	48	6	0.09	18	3	62325.909	66654	4.727	4.727	2.831	H1-1b
14	M14	PIPE 2.5	0.148	48	6	0.057	19	17	33487.322	66654	4.727	4.727	1.775	H1-1b
15	MP1	PIPE 2.5	0.05	35	17	0.018	63	11	33487.322	66654	4.727	4.727	3	H1-1b
16	MP3	PIPE 2.5	0.074	63	70	0.026	63	70	33487.322	66654	4.727	4.727	3	H1-1b
17	MP2	PIPE 2.5	0.161	34	3	0.045	63	3	33487.322	66654	4.727	4.727	1.96	H1-1b
18	M27A	Pipe2.38X0.12	0.101	96.255	28	0.005	96.255	11	13288.958	35272.8	2.115	2.115	1.136	H1-1b*

Material Take-Off

	Material	Size	Pieces	Length[in]	Weight[K]
1	General Members				
2	RIGID		6	18	0
3	Total General		6	18	0
4					
5	Hot Rolled Steel				
6	A500 Gr.46	1.9" ODx0.12"	4	169.6	0.032
7	A500 Gr.46	PIPE 2.5	5	480	0.219
8	A500 Gr.46	Pipe2.38X0.12	1	96.3	0.023
9	A529 Gr.50	0.63" SR	8	272.4	0.024
10	Total HR Steel		18	1018.3	0.299

Warning Log

No Data to Print...



Amended EXHIBIT G

Proof of Notification



August 10, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 777229971150

Delivery Information:

Status:	Delivered	Delivered To:	Residence
Signed for by:	Signature not required	Delivery Location:	21 BIRCHWOOD DR
Service type:	FedEx 2Day		
Special Handling:	Deliver Weekday; Residential Delivery		WEST HAVEN, CT, 06516
		Delivery date:	Jul 7, 2022 11:43

Shipping Information:

Tracking number:	777229971150	Ship Date:	Jul 1, 2022
		Weight:	2.0 LB/0.91 KG

Recipient:
Robert Knapp, Radio Communication Corp
24 Rockdale Road
WEST HAVEN, CT, US, 06516

Shipper:
Michael Jones,
140 Beach 137th Street
ROCKAWAY PARK, NY, US, 11694

Reference NJJER02044B

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

Dear Customer,

The following is the proof-of-delivery for tracking number: 777229947810

Delivery Information:

Status:	Delivered	Delivered To:	Mailroom
Signed for by:	J.MCDOWELL	Delivery Location:	45 LYON TER
Service type:	FedEx 2Day		
Special Handling:	Deliver Weekday		BRIDGEPORT, CT, 06604
		Delivery date:	Jul 6, 2022 09:36

Shipping Information:

Tracking number:	777229947810	Ship Date:	Jul 1, 2022
		Weight:	2.0 LB/0.91 KG

Recipient:
Arben Kica, Bridgeport Building Department
45 Lyon Terrace,
Room 222
BRIDGEPORT, CT, US, 06604

Shipper:
Michael Jones,
140 Beach 137th Street
ROCKAWAY PARK, NY, US, 11694

Reference NJJER020444B



Dear Customer,

The following is the proof-of-delivery for tracking number: 777229935379

Delivery Information:

Status:	Delivered	Delivered To:	Mailroom
Signed for by:	J.MCDOWELL	Delivery Location:	45 LYON TER
Service type:	FedEx 2Day		
Special Handling:	Deliver Weekday		BRIDGEPORT, CT, 06604
		Delivery date:	Jul 6, 2022 09:36

Shipping Information:

Tracking number:	777229935379	Ship Date:	Jul 1, 2022
		Weight:	5.0 LB/2.27 KG

Recipient:
Dennis Buckley, City of Bridgeport Zoning Departmen
45 Lyon Terrace,
Room 210
BRIDGEPORT, CT, US, 06604

Shipper:
Michael Jones,
140 Beach 137th Street
ROCKAWAY PARK, NY, US, 11694

Reference NJJER020444B

