



Northeast Site Solutions
Victoria Masse
420 Main St Unit 1 Box 2
Sturbridge, MA 01566
victoria@northeastitesolutions.com

July 29, 2022

Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Tower Share Application
481 Good Hill Road, Woodbury, CT 06798
Latitude: 41.557222 N
Longitude: -73.256778 W
Site#: CTNH290A_NSD

Dear Ms. Bachman:

This letter and attachments are submitted on behalf of T-Mobile. T-Mobile plans to install antennas and related equipment to the tower site located at 481 Good Hill Road, Woodbury, Connecticut.

T-Mobile proposes to install nine (9) 600/700/1900/2100/2500 5G MHz antenna, six (6) RRUs and one (1) Dish at the 135-foot level of the existing 147-foot monopole tower, two (2) hybrid cable will also be installed. T-Mobile equipment cabinets will be placed within 10x15 lease area. Included are plans by Hudson Design, dated July 7, 2022, Exhibit C. Also included is a structural analysis prepared by American Tower, dated May 19, 2022 confirming that the existing tower is structurally capable of supporting the proposed equipment. Attached as Exhibit D. This facility was approved by the Connecticut Siting Council, Docket No. 183 on May 13, 1998. Please see attached Exhibit A.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies 16-50aa, of T-Mobile intent to share a telecommunications facility pursuant to R.C.S.A. 16-50j-88. In accordance with R.C.S.A., a copy of this letter is being sent to Barbara K. Perkinson, First Selectman, William Agresta, Town Planner, as well as the property owner and tower owner.

The planned modifications of the facility fall squarely within those activities explicitly provided for in R.C.S.A. 16-50j-89.

1. The proposed modifications will not result in an increase in the height of the existing structure. The top of the tower is 147-feet; T-Mobile proposed antennas will be located at a center line height of 135-feet.
2. The proposed modification will not result in the increase of the site boundary as depicted on the attached site plan.
3. The proposed modification will not increase the noise levels at the facility by six decibels or more, or to levels that exceed local and state criteria. The incremental effect of the proposed changes will be negligent.

420 Main Street, Unit 1 Box 2, Sturbridge, MA 01566



4. The operation of the proposed antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard. As indicated in the attached power density calculations, the combined site operations will result in a total density of 32.41% as evidenced by Exhibit F.

Connecticut General Statutes 16-50-aa indicates that the Council must approve the shared use of a telecommunications facility provided it finds the shared use is technically, legally, environmentally, and economically feasible and meets public safety concerns. As demonstrated in this letter, T-Mobile respectfully indicates that the shared use of this facility satisfies these criteria.

A. **Technical Feasibility.** The existing monopole has been deemed structurally capable of supporting T-Mobile proposed loading. The structural analysis is included in Exhibit D.

B. **Legal Feasibility.** As referenced above, C.G.S. 16-50aa has been authorized to issue orders approving the shared use of an existing tower such as this monopole in Woodbury. Under the authority granted to the Council, an order of the Council approving the requested shared use would permit T-Mobile to obtain a building permit for the proposed installation. Further, a letter of Authorization is included as Exhibit G, authorizing T-Mobile to file this application for shared use.

C. **Environmental Feasibility.** The proposed shared use of this facility would have a minimal environmental impact. The installation of T-Mobile equipment at the 135-foot level of the existing 147-foot tower would have an insignificant visual impact on the area around the monopole. T-Mobile ground equipment would be installed within the existing facility compound. T-Mobile shared use would therefore not cause any significant alteration in the physical or environmental characteristics of the existing site. Additionally, as evidenced by Exhibit F, the proposed antennas would not increase radio frequency emissions to a level at or above the Federal Communications Commission safety standard.

D. **Economic Feasibility.** T-Mobile will be entering into an agreement with the owner of this facility to mutually agreeable terms. As previously mentioned, the Letter of Authorization has been provided by the owner to assist T-Mobile with this tower share application.

E. **Public Safety Concerns.** As discussed above, the tower is structurally capable of supporting T-Mobile proposed loading. T-Mobile is not aware of any public safety concerns relative to the proposed sharing of the existing tower. T-Mobile intentions of providing new and improved wireless service through the shared use of this facility is expected to enhance the safety and welfare of local residents and individuals traveling through Woodbury.

Sincerely,

Victoria Masse
Mobile: 860-306-2326
Fax: 413-521-0558
Office: 420 Main Street, Unit 1 Box 2, Sturbridge, MA 01566
Email: victoria@northeastsitesolutions.com



Attachments

Cc:

Barbara K. Perkinson, First Selectman
Town of Woodbury
281 Main St South
Woodbury, CT. 06798

William Agresta, Town Planner
Town of Woodbury
281 Main St South
Woodbury, CT. 06798

Roxbury Land Trust LLC, Property Owner
PO BOX 51
Roxbury, CT 06783

American Tower, Tower Owners
10 Presidential Way
Worburn, MA 01801

Exhibit A

Connecticut Siting Council ^(/CSC)

[CT.gov Home](#) [\(/\)](#) [Connecticut Siting Council](#) [\(/CSC\)](#) Connecticut Siting Council - May 13, 1998 - Decision and Order

DOCKET NO. 183 - An application by Litchfield Acquisition Corporation d/b/a AT&T Wireless Services for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications tower and associated equipment located at 478 Good Hill Road (Route 317), Woodbury, Connecticut.

Connecticut Siting Council

May 13, 1998

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed site in Woodbury, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Litchfield Acquisition Corporation (LAC) d/b/a AT&T Wireless Services, for the construction, operation, and maintenance of a telecommunications tower, associated equipment, and equipment building at the proposed site, located within a 471-acre parcel off Good Hill Road in Woodbury, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of LAC and other telecommunications providers, both public and private, but such tower shall not exceed a height of 150 feet above ground level (AGL).
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for site development to include plans for vegetative screening; construction plans for site and grading, water drainage, and security fencing around the tower and equipment building; provisions for the installation of erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, prior to construction; and specifications for the tower foundation, antennas, equipment building, access road, and underground utility lines.
3. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
4. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. If the facility does not initially provide, or permanently ceases to provide cellular services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapplication for any continued or new use shall be made to the Council before any such use is made.

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant and Waterbury Republican-American.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant

Litchfield Acquisition Corporation d/b/a AT&T Wireless Services

Its Representative

Douglas A. Cohen, Esq.
Brown, Rudnick, Freed & Gesmer, P.C.
185 Asylum Street, CityPlace I
Hartford, CT 06103-3402 (860) 509-6511

Mitchell Holmgren Site Development Coordinator
AT&T Wireless Services
15 East Midland Avenue
Paramus, NJ 07652 (201) 967-3130

Intervenor

Springwich Cellular Limited Partnership

Its Representative

Peter J. Tyrrell
Senior Counsel
Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, CT 06067-3900 (860) 513-7673

Intervenor

Nextel Communications of the Mid-Atlantic, Inc. d/b/a Nextel Communications

Its Representative

Christopher B. Fisher
Cuddy, Feder & Worby
90 Maple Avenue
White Plains, NY 10601-5196 (914) 761-1300

Party

Town of Woodbury

Its Representative

Honorable Richard Crane First Selectman

Town of Woodbury

P.O. Box 369281 Main Street

South Woodbury, CT 06798-0369 (203) 263-2141

Exhibit B



Town of Woodbury, CT

Property Listing Report

Map Block Lot **066-008**

Building # **1** Unique Identifier **283400**

Property Information

Property Location	478 GOOD HILL RD
Mailing Address	P O BOX 51 ROXBURY CT 067830051
Land Use	Mixed Use - Retail / Office
Zoning Code	OS100
Neighborhood	24

Owner	ROXBURY LAND TRUST INC
Co-Owner	(BARNYARD)
Book / Page	313/ 366
Land Class	Commercial
Census Tract	3621
Acreage	5.35

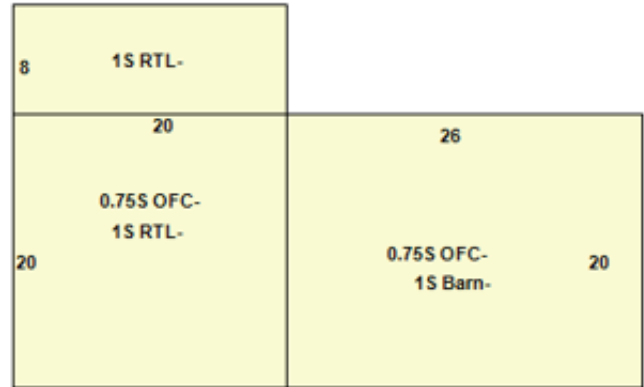
Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	246834	172780
Outbuildings	110163	77110
Land	245950	154640
Total	602947	0

Utility Information

Electric	No
Gas	No
Sewer	No
Public Water	No
Well	No



Primary Construction Details

Year Built	1910
Building Desc.	Commercial
Building Style	
Stories	2
Exterior Walls	Vertical Wood
Exterior Walls 2	
Interior Walls	Drywall
Interior Walls 2	Other
Interior Floors 1	Concrete
Interior Floors 2	Hardwood

Heating Fuel	Oil
Heating Type	FHA
AC Type	
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Retail / Office
Building Condition	Good
Frame Type	Low Cost
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	0
Roof Style	
Roof Cover	Asphalt

Report Created On

7/19/2022



Town of Woodbury, CT

Property Listing Report

Map Block Lot

066-008

Building # 1

Unique Identifier

283400

Detached Outbuildings

Type	Description	Area (sq ft)	Condition	Year Built
Barn	1.5 Story	2304	Average/Fair	1910
Barn	1.5 Story	1586	Average/Fair	1910
Barn	1.5 Story	4480	Average/Fair	1910
Shed	Average Shed	195	Average	1910
Porch	Enclosed	168	Fair	1910
Shed	Concrete Block/Frame	512	Average	1910
Shed	Frame	100	Average	1910
Greenhouse	Glass/Steel	1288	Average	1910

Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built
Barn	Frame	520	Average	1910

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
ROXBURY LAND TRUST INC	313_ 366	3/23/2004	1800000
GOOD HILL FARM LLC	249_ 458+	5/2/2000	0



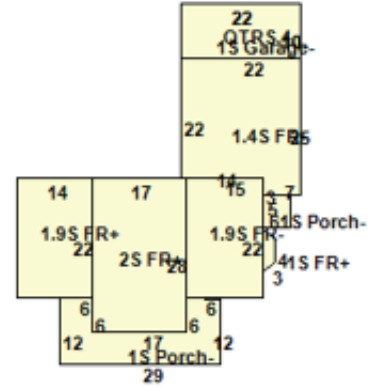
Town of Woodbury, CT

Property Listing Report

Map Block Lot **066-008**

Building # **2**

Unique Identifier **283400**



Primary Construction Details

Year Built	1850
Building Desc.	Single Family
Building Style	Colonial
Stories	2
Exterior Walls	Wood Shingles
Exterior Walls 2	
Interior Walls	Plaster
Interior Walls 2	
Interior Floors 1	Hardwood
Interior Floors 2	Carpet

Heating Fuel	Oil
Heating Type	Steam
AC Type	
Bedrooms	5
Full Bathrooms	3
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	10
Bath Style	NA
Kitchen Style	Typical
Occupancy	1

Building Use	Residential
Building Condition	Average/Good
Frame Type	Wood Frame
Fireplaces	1
Bsmt Gar	0
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	0
Roof Style	
Roof Cover	Arch Shingles

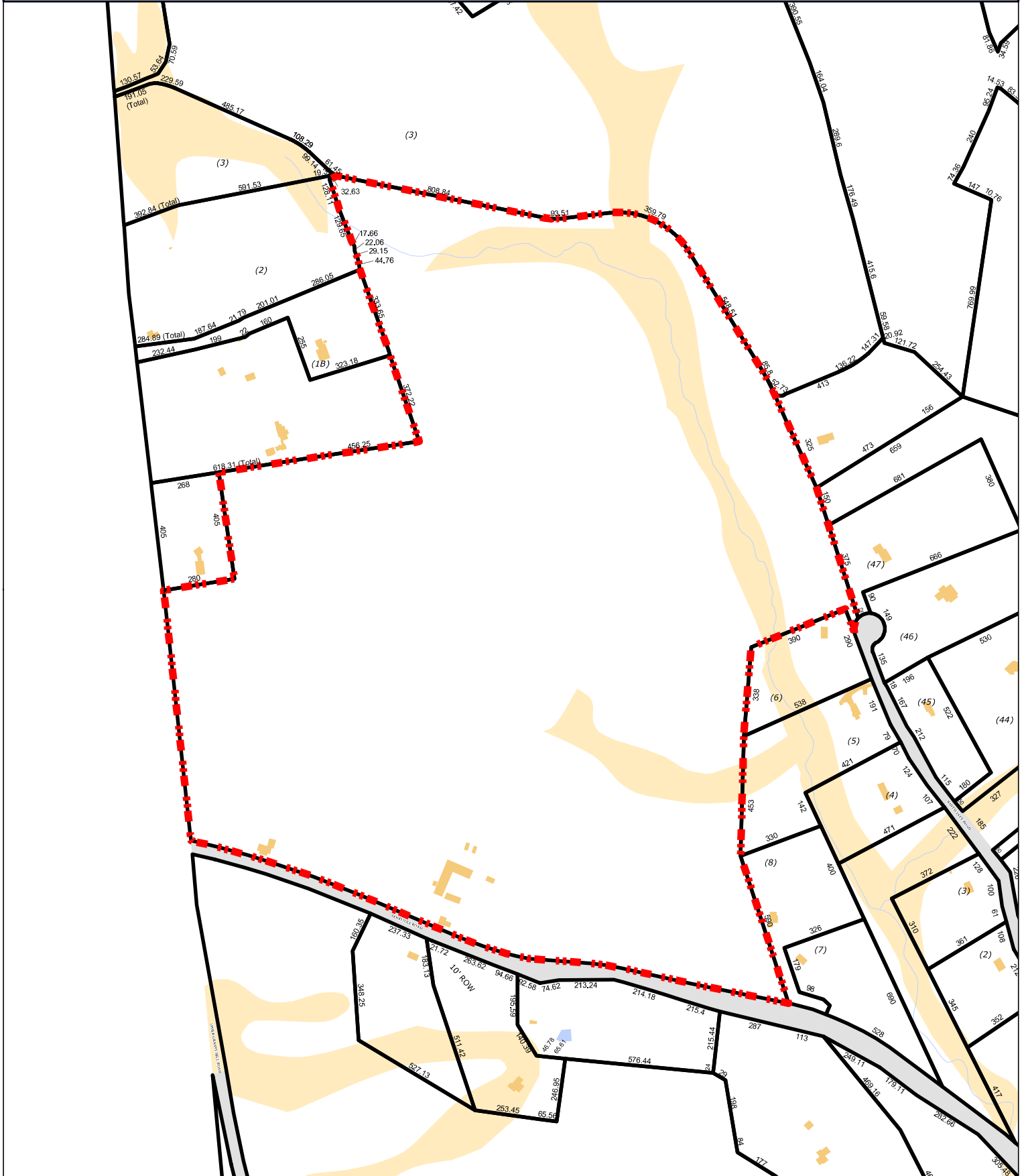
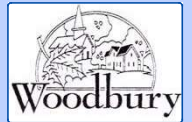
Attached Extra Features

Type	Description	Area (sq ft)	Condition	Year Built
Porch	Open	250	Average	1850
Porch	Enclosed	30	Average	1850
Garage	Frame	220	Average	1850

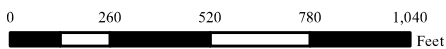
Town of Woodbury, Connecticut - Assessment Parcel Map

Parcel: 066-008

Address: 478 GOOD HILL RD



Approximate Scale: 1 inch = 500 feet

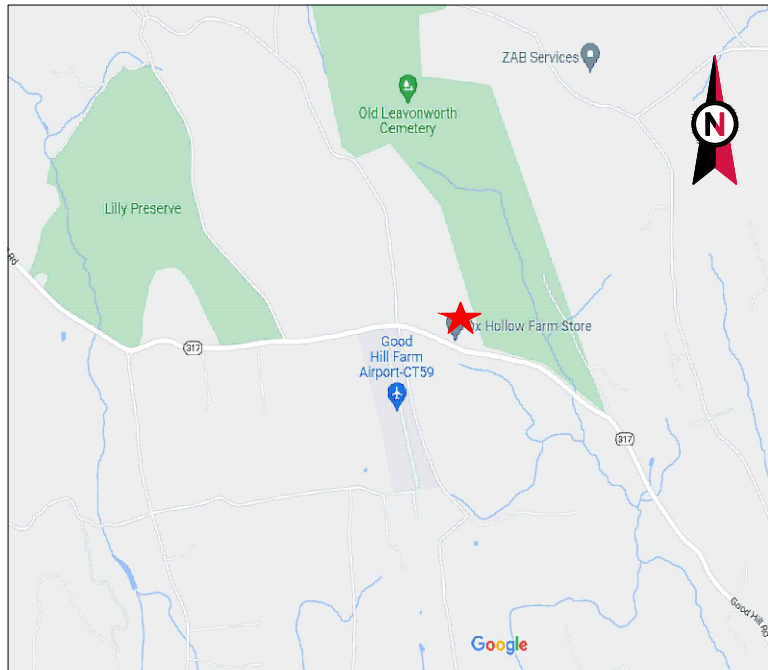


Disclaimer: This map is for informational purposes only.
All information is subject to verification by any user.
The Town of Woodbury and its mapping contractors assume no legal responsibility for the information contained herein.

Map Produced:

7/12/2022

Exhibit C



VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: GOOD HILL CT

ATC SITE NUMBER: 411180

T-MOBILE SITE NAME: GOOD HILL

WOODBURY ATC

T-MOBILE SITE NUMBER: CTNH290A

SITE ADDRESS: 478 GOOD HILL ROAD

WOODBURY, CT 06798-2507

**T-MOBILE COVERAGE STRATEGY COLLOCATION PLAN
67E5D998E 6160 CONFIGURATION**



LOCATION MAP



45 BEECHWOOD DRIVE TEL: (978) 557-5553
N. ANDOVER, MA 01845 FAX: (978) 336-5586

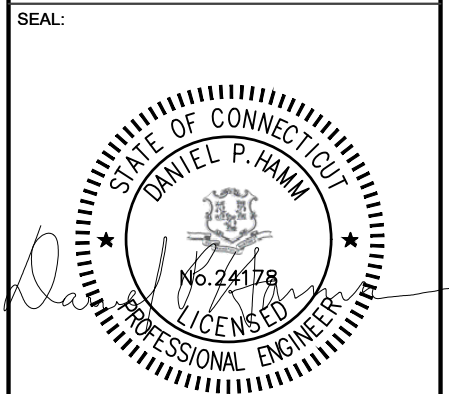
REV.	DESCRIPTION	BY	DATE
A	PRELIM	SS	06/03/22
0	FINALS	TR	07/07/22

ATC SITE NUMBER:
411180

ATC SITE NAME:
GOOD HILL CT

T-MOBILE SITE NAME:
GOOD HILL WOODBURY ATC

SITE ADDRESS:
478 GOOD HILL ROAD
WOODBURY, CT 06798-2507



DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

TITLE SHEET

SHEET NUMBER: G-001	REVISION: 0
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COMPLIANCE CODE
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
1. INTERNATIONAL BUILDING CODE (IBC) 2. NATIONAL ELECTRIC CODE (NEC) 3. LOCAL BUILDING CODE 4. CITY/COUNTY ORDINANCES

PROJECT SUMMARY
<u>SITE ADDRESS:</u> 478 GOOD HILL ROAD WOODBURY, CT 06798-2507 COUNTY: LITCHFIELD
<u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 41.557222 LONGITUDE: -73.256778 GROUND ELEVATION: 877' AMSL
<u>PROJECT TEAM</u>
<u>TOWER OWNER:</u> AMERICAN TOWER 10 PRESIDENTIAL WAY WOBURN, MA 01801
<u>APPLICANT:</u> T-MOBILE
<u>ENGINEER:</u> HUDSON DESIGN GROUP, LLC. 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845
<u>PROPERTY OWNER:</u> ROXBURY LAND TR 481 GOOD HILL ROAD WOODBURY, CT 06798-2507

PROJECT DESCRIPTION
THE PROPOSED PROJECT INCLUDES INSTALLING EQUIPMENT CABINETS ON A PROPOSED CONCRETE PAD INSIDE A 10' X 15' GROUND SPACE WITHIN THE EXISTING COMPOUND, AND INSTALLING NEW EQUIPMENT AND MOUNTS ON THE EXISTING TOWER.
<u>TOWER SCOPE:</u> INSTALL (1) PLATFORM MOUNT, (9) ANTENNA(S), (1) DISH ANTENNA, (6) RRRH(S), (2) 6/24 4AWG HYBRID TRUNK CABLE(S) & (1) 1/2" COAX CABLE. <u>GROUND SCOPE:</u> INSTALL (1) 10'X15' CONCRETE PAD, (1) 6160 CABINET, (1) B160 BATTERY CABINET, (1) RBS 6601 CABINET, (2) PSU 4813(S), (2) RP 6651(S), (1) DUG20, (1) CSR IXRE V2, (1) ICE BRIDGE, (1) ICE CANOPY, (1) H-FRAME, (1) PURCELL CABINET (1) HOFFMAN BOX, (1) POWER PANEL, (1) GENERATOR, (1) ATS, (4) LED LUMINARE(S), (1) METER AND DISCONNECT AND POWER AND TELCO ROUTING
<u>PROJECT NOTES</u>
1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.61000 (B)(7).

SHEET INDEX				
SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
G-001	TITLE SHEET	0	07/07/22	TR
G-002	GENERAL NOTES	0	07/07/22	TR
C-101	DETAILED SITE PLAN	0	07/07/22	TR
C-102	DETAILED EQUIPMENT PLAN	0	07/07/22	TR
C-201	TOWER ELEVATION	0	07/07/22	TR
C-401	ANTENNA INFORMATION & SCHEDULE	0	07/07/22	TR
C-501	MOUNT DETAILS	0	07/07/22	TR
C-502	CONSTRUCTION DETAILS	0	07/07/22	TR
C-503	CONSTRUCTION DETAILS	0	07/07/22	TR
C-504	CONSTRUCTION DETAILS	0	07/07/22	TR
E-101	GROUNDING DETAILS	0	07/07/22	TR
E-501	GROUNDING DETAILS	0	07/07/22	TR
E-601	PANEL SCHEDULE & ONE-LINE DIAGRAM	0	07/07/22	TR
R-601-R613	SUPPLEMENTAL	0		

UTILITY COMPANIES

POWER COMPANY: UTILITY COMPANY DIRECT
PHONE: UNKNOWN

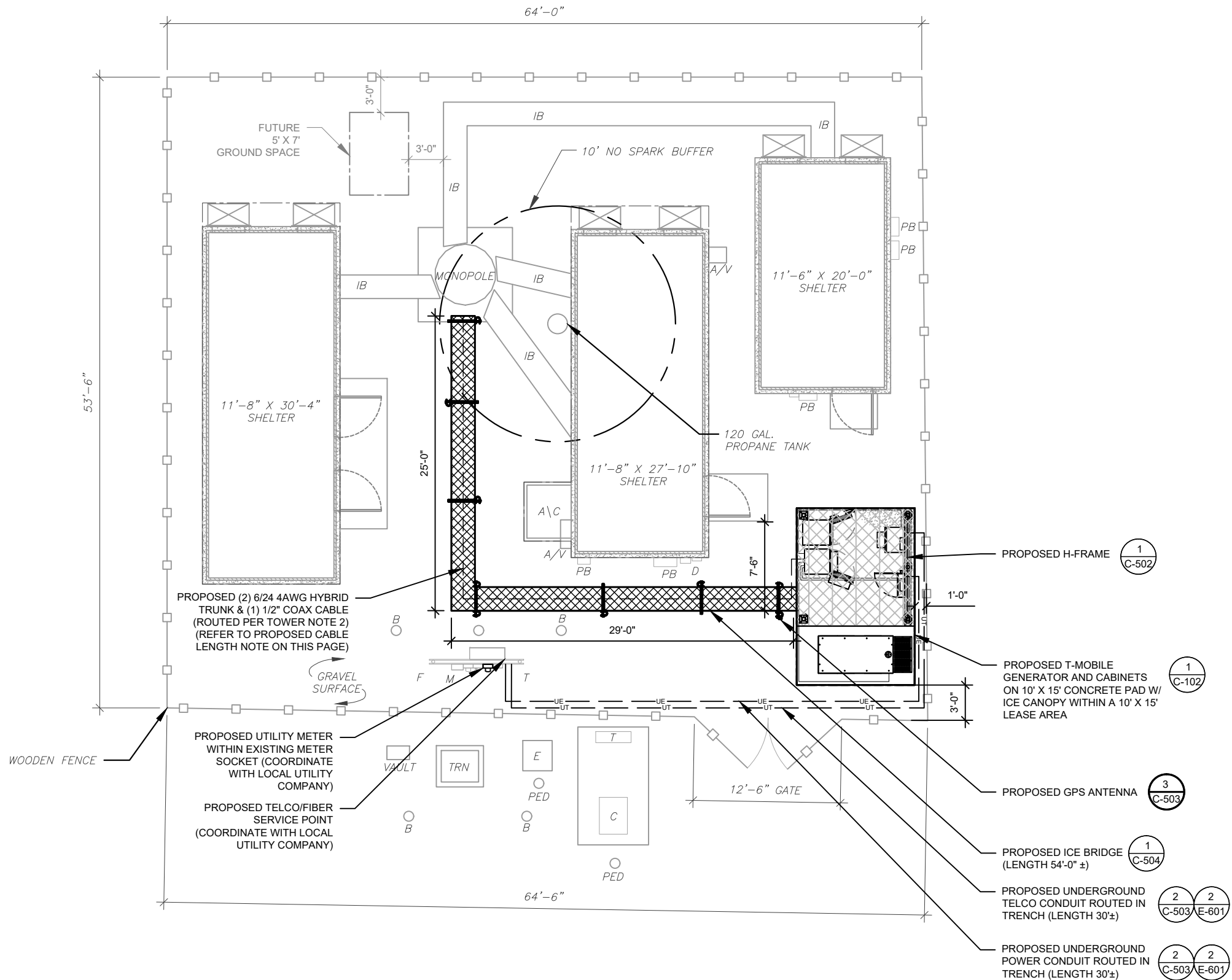
TELEPHONE COMPANY: UNKNOWN
PHONE: UNKNOWN



PROJECT LOCATION DIRECTIONS
FROM HAMDEN / NEW HAVEN TAKE CT-15 WILBUR CROSS PARKWAY S TOWARD NEW YORK CITY. TAKE EXIT 59 CT-69 TURN LEFT ONTO CT-69 TURN LEFT ON LUCY STREET TURN RIGHT ON CT-63 AMITY ROAD TURN LEFT ONTO CT-67 SEYMOUR ROAD CONTINUE ON CT-67 TURN LEFT ON ROXBURY ROAD CT-67 TURN RIGHT ONTO PENNSYLVANIA ROAD TURN LEFT ON GOOD HILL ROAD CT-317 478 GOOD HILL ROAD IS ON THE RIGHT ROXBURY LAND TRUST

SITE PLAN NOTES:

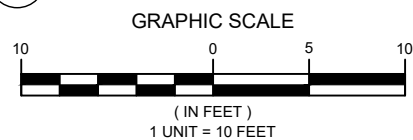
- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE T-MOBILE REPRESENTATIVE AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT.



LEGEND	
⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACAL
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
—	CHAINLINK FENCE

- PROPOSED CABLE LENGTH:**
- ESTIMATED LENGTH OF PROPOSED CABLE IS 220'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
 - ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

1 DETAILED SITE PLAN



45 BEECHWOOD DRIVE TEL: (978) 557-5553
N. ANDOVER, MA 01845 FAX: (978) 336-5586

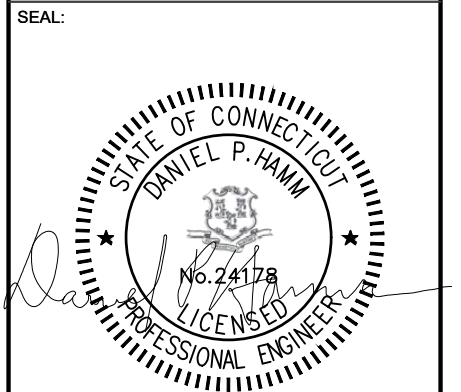
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DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

DETAILED SITE PLAN

SHEET NUMBER:	REVISION:
C-101	0

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REV.	DESCRIPTION	BY	DATE
A	PRELIM	SS	06/03/22
0	FINALS	TR	07/07/22

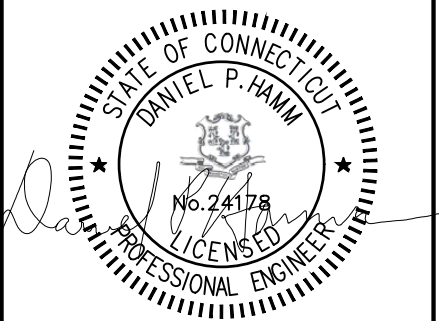
ATC SITE NUMBER:
411180

ATC SITE NAME:
GOOD HILL CT

T-MOBILE SITE NAME:
GOOD HILL WOODBURY ATC

SITE ADDRESS:
478 GOOD HILL ROAD
WOODBURY, CT 06798-2507

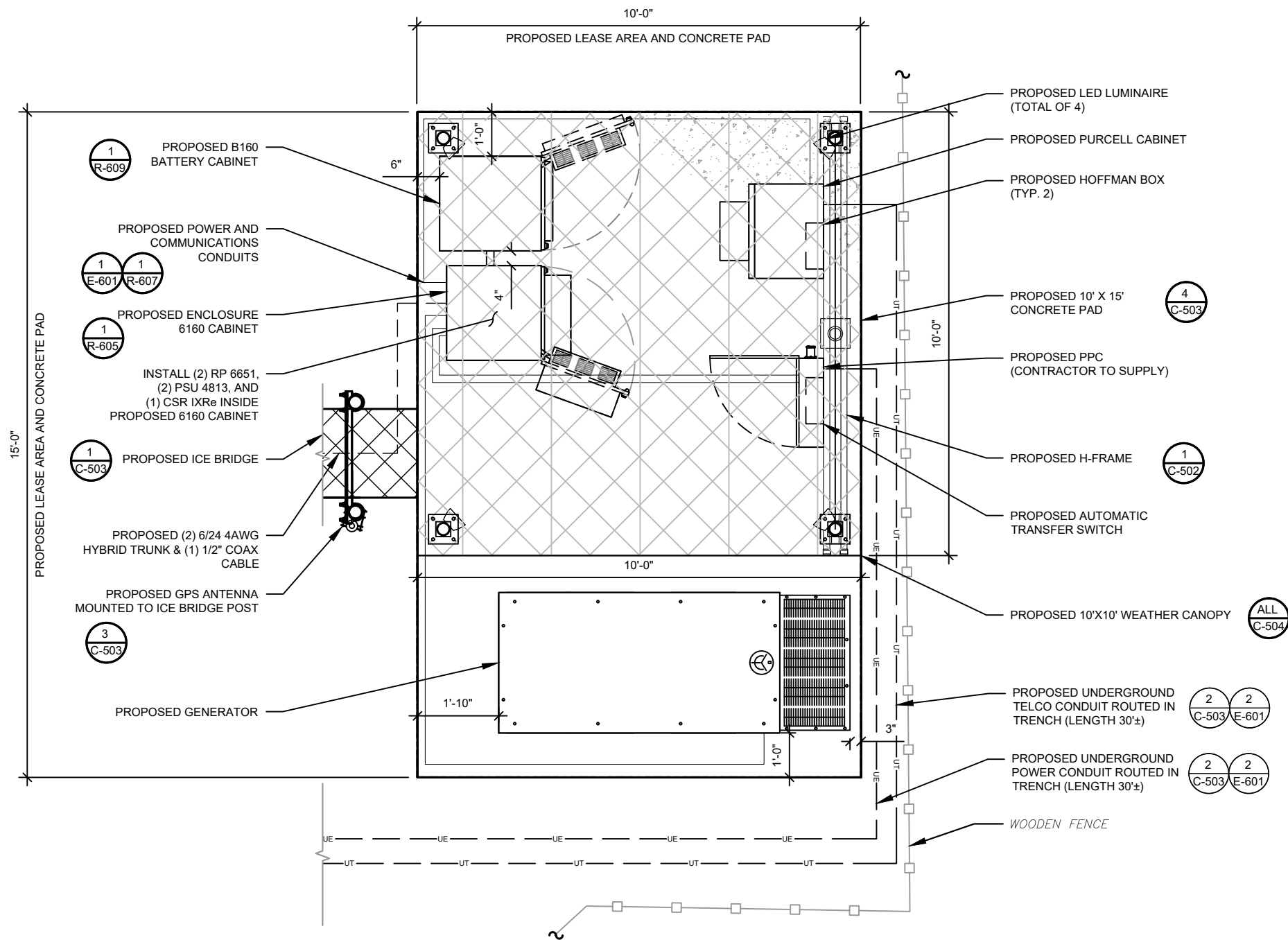
SEAL:



DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

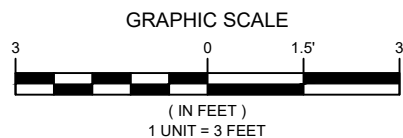
DETAILED EQUIPMENT PLAN

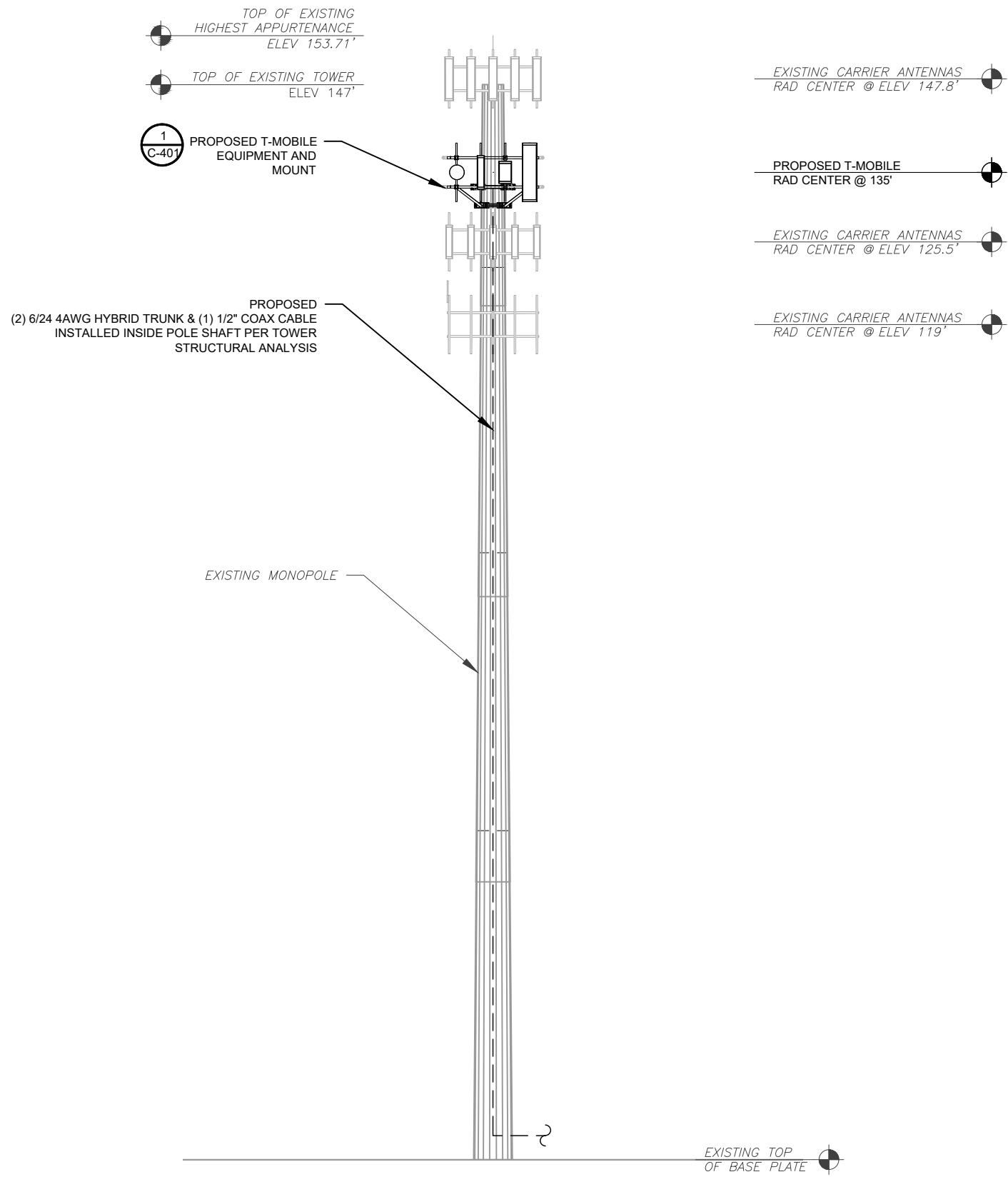
SHEET NUMBER:	REVISION:
C-102	0



- NOTE:**
- CABINETS SHALL BE ORIENTED AND INSTALLED EXACTLY AS SHOWN
 - WEIGHT OF BTS UNIT IS 615 LBS (WEIGHT IS WITHOUT EQUIPMENT)

1 PROPOSED GROUND EQUIPMENT LAYOUT





PER MOUNT ANALYSIS COMPLETED BY ENGINEERED TOWER SOLUTIONS, DATED 05/16/22, THE PROPOSED MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

1 TOWER ELEVATION
SCALE: N.T.S.

TOWER NOTE:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS. WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
- TOWER ELEVATIONS ARE MEASURED FROM TOP OF BASE PLATE TO MATCH STRUCTURAL ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE ABOVE GROUND LEVEL (A.G.L.)
- TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.



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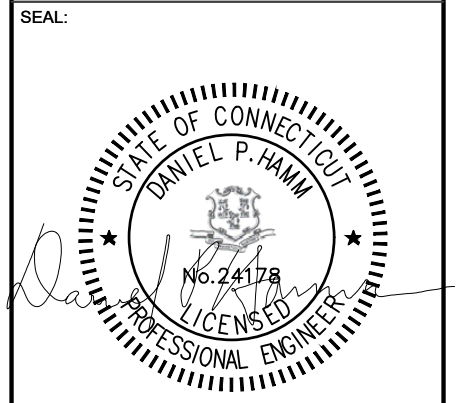
REV.	DESCRIPTION	BY	DATE
A	PRELIM	SS	06/03/22
0	FINALS	TR	07/07/22

ATC SITE NUMBER:
411180

ATC SITE NAME:
GOOD HILL CT

T-MOBILE SITE NAME:
GOOD HILL WOODBURY ATC

SITE ADDRESS:
478 GOOD HILL ROAD
WOODBURY, CT 06798-2507

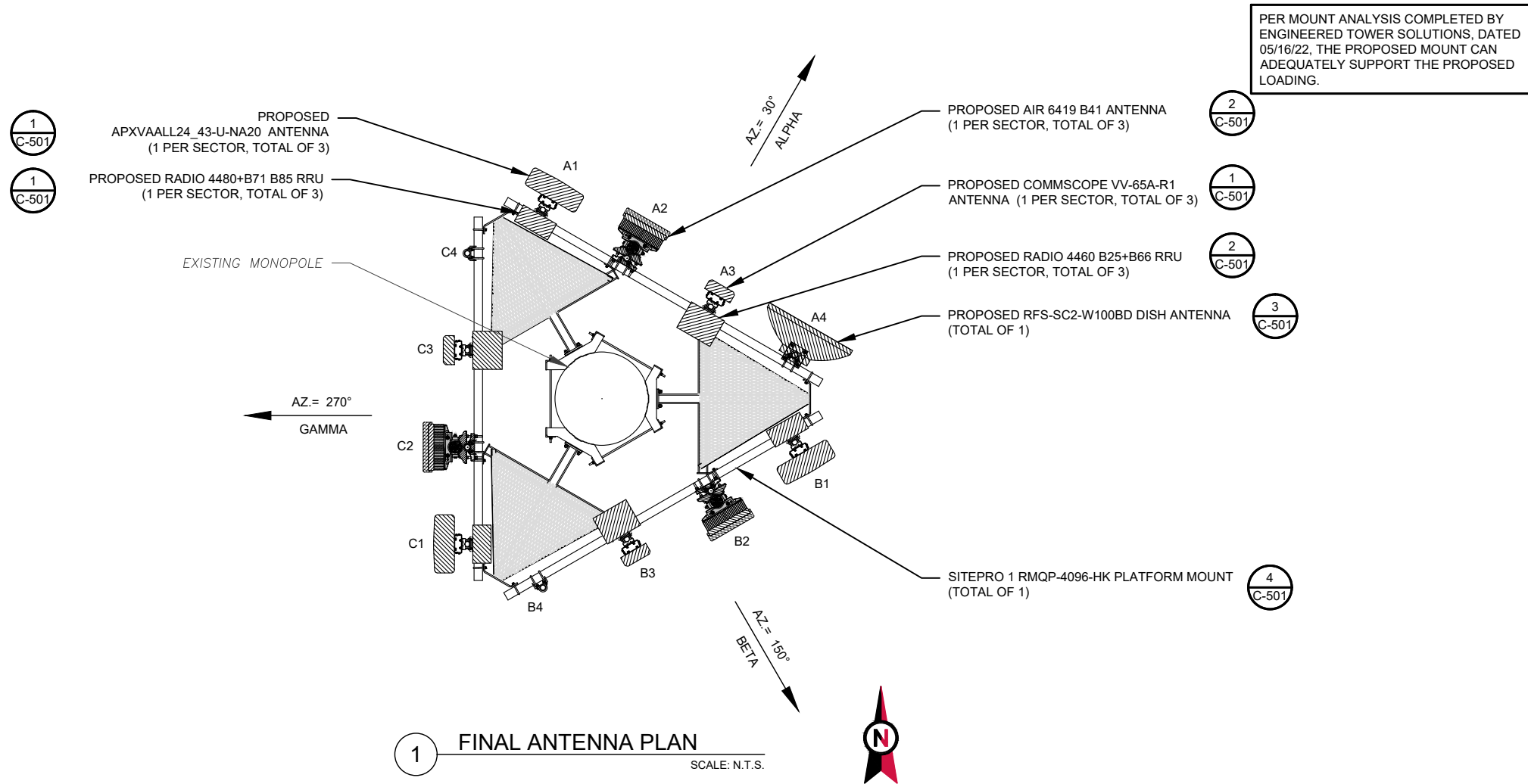


DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

TOWER ELEVATION

SHEET NUMBER:	REVISION:
C-201	0

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FINAL ANTENNA/ COAX SCHEDULE						
SECTOR	ANT.	MODEL #	RAD CENTER	AZIMUTH	ADDITIONAL TOWER MOUNTED EQUIPMENT	CABLE DESCRIPTION
ALPHA	A1	RFS - APXVAALL24_43-U-NA20	135'	30°	RRU 4480 B71+B85	(2) 6/24 4AWG HYBRID TRUNK & (1) 1/2" COAX CABLE
ALPHA	A2	AIR 6419 B41	135'	30°	-	
ALPHA	A3	COMMSCOPE_VV-65A-R1	135'	30°	RRU 4460 B25+B26	
ALPHA	A4	RFS-SC2-W100BD	135'	30°	-	
BETA	B1	RFS - APXVAALL24_43-U-NA20	135'	150°	RRU 4480 B71+B85	
BETA	B2	AIR 6419 B41	135'	150°	-	
BETA	B3	COMMSCOPE_VV-65A-R1	135'	150°	RRU 4460 B25+B26	
BETA	B4	-	-	-	-	
GAMMA	C1	RFS - APXVAALL24_43-U-NA20	135'	270°	RRU 4480 B71+B85	
GAMMA	C2	AIR 6419 B41	135'	270°	-	
GAMMA	C3	COMMSCOPE_VV-65A-R1	135'	270°	RRU 4460 B25+B26	
GAMMA	C4	-	-	-	-	

1. CONFIRM WITH CARRIER REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS.

2. ALL PROPOSED EQUIPMENT INCLUDING ANTENNAS, COAX, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE TOWER STRUCTURAL ANALYSIS ON FILE WITH THE ATC CM.

3. SPACING OF PROPOSED EQUIPMENT SHALL BE CONFIRMED FOR TOWER CONFLICTS AND PROPOSED MOUNTS SHALL NOT IMPEDE TOWER CLIMBING PEGS.

2 ANTENNA SCHEDULE

RF JUMPER LENGTH
MONOPOLE = 15'± GUYED / SELF SUPPORT = FACE WIDTH + 15'
REFER TO FINAL RFDS FOR TYPE AND QUANTITY



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0	FINALS	TR	07/07/22

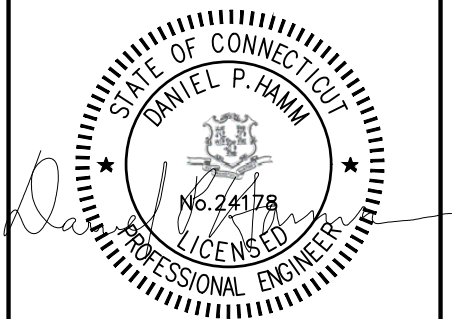
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411180

ATC SITE NAME:
GOOD HILL CT

T-MOBILE SITE NAME:
GOOD HILL WOODBURY ATC

SITE ADDRESS:
478 GOOD HILL ROAD
WOODBURY, CT 06798-2507

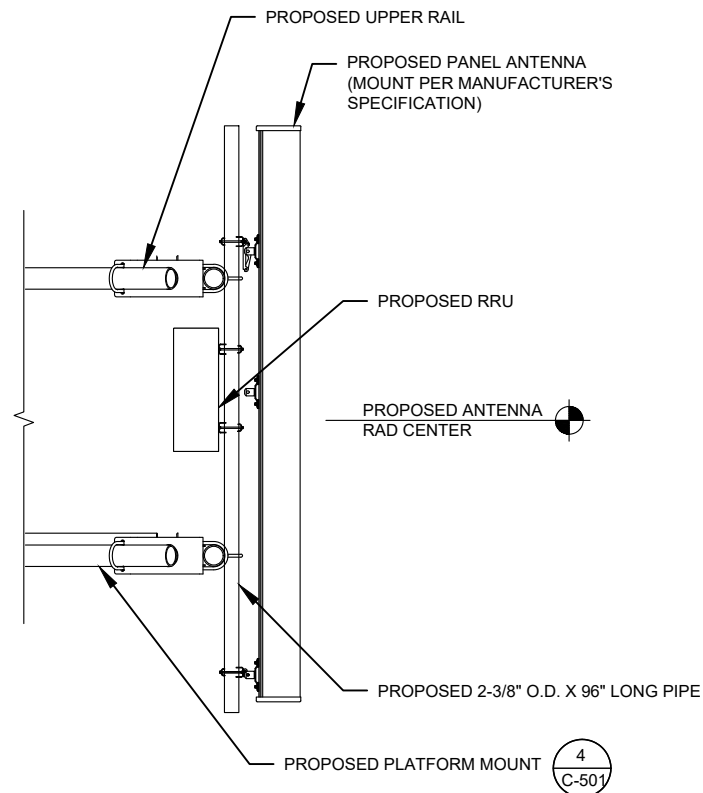
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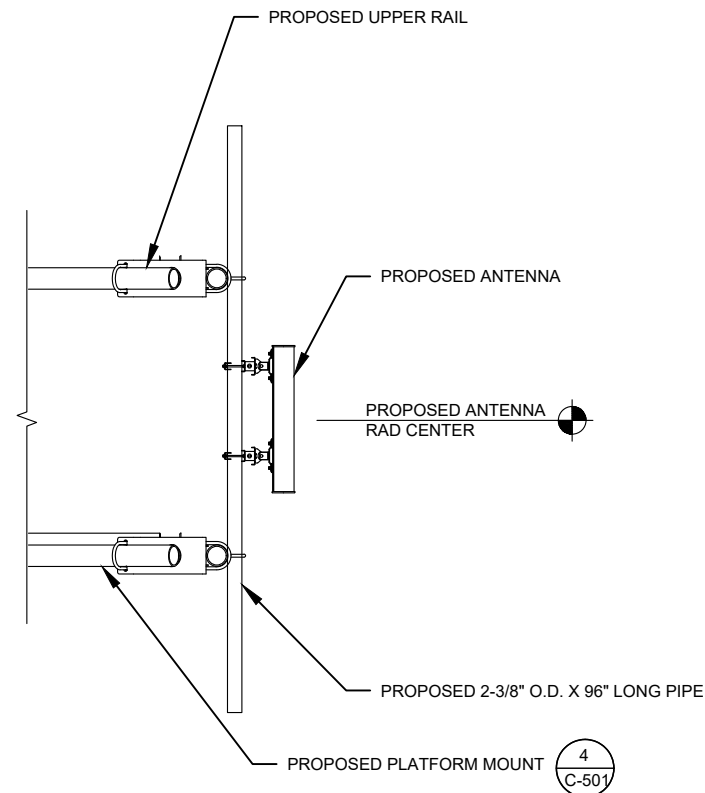
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ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

ANTENNA INFORMATION & SCHEDULE

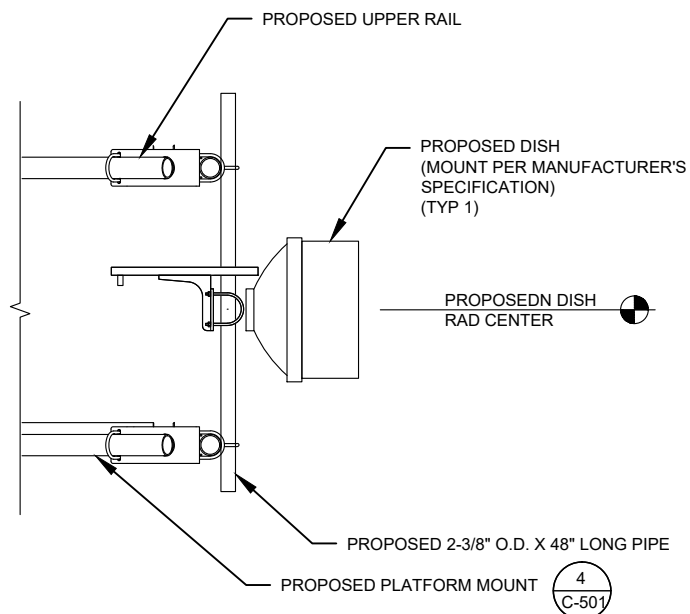
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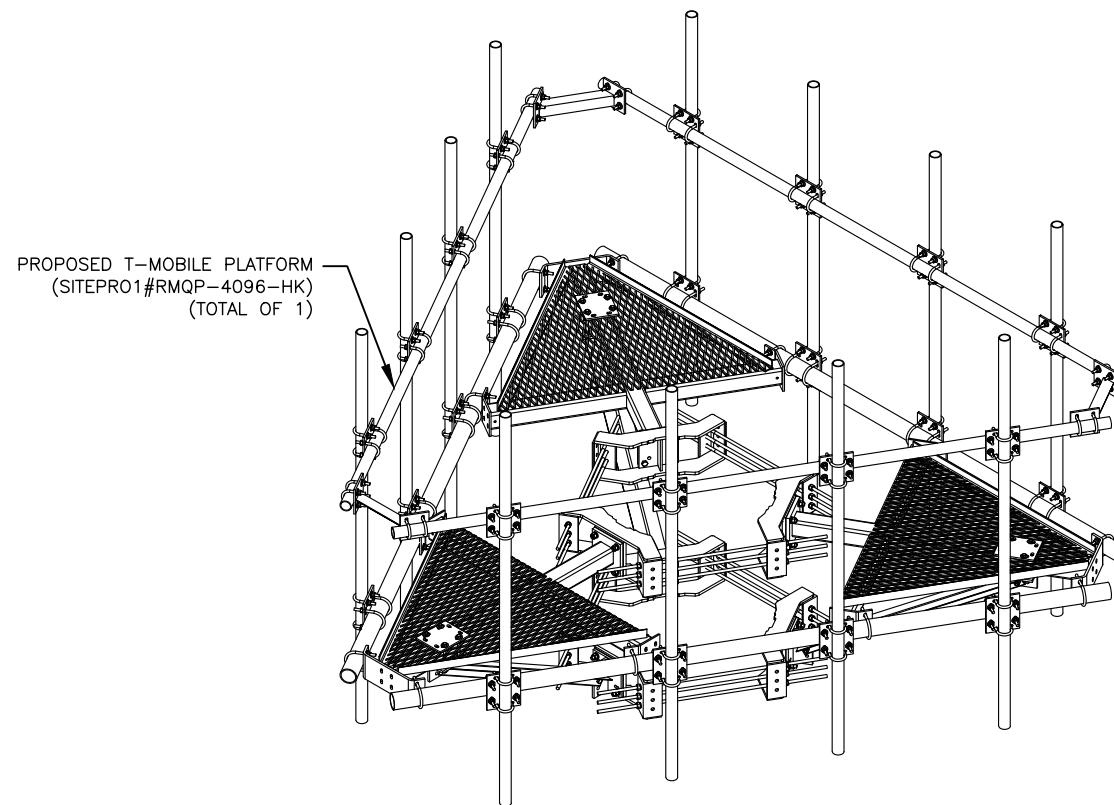
1 PROPOSED ANTENNA MOUNTING DETAIL (ELEVATION)
SCALE: N.T.S.



2 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



3 PROPOSED MICROWAVE DISH MOUNTING DETAIL (ELEVATION)
SCALE: N.T.S.



4 PROPOSED LOW PROFILE PLATFORM KIT DETAIL
SCALE: N.T.S.



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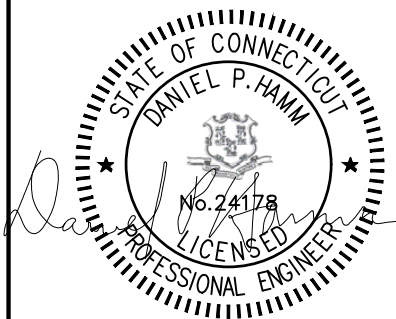
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ATC SITE NAME:
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SITE ADDRESS:
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WOODBURY, CT 06798-2507

SEAL:



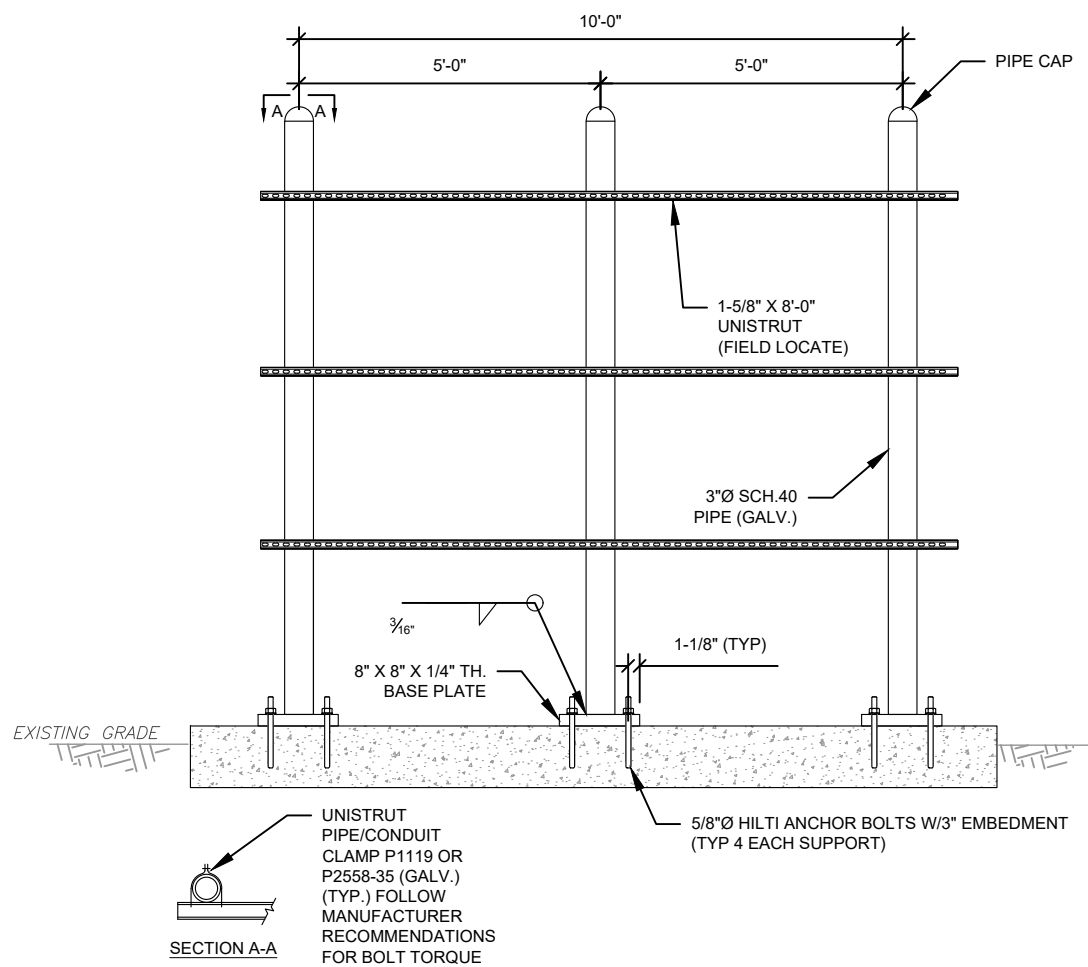
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ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

MOUNT DETAILS

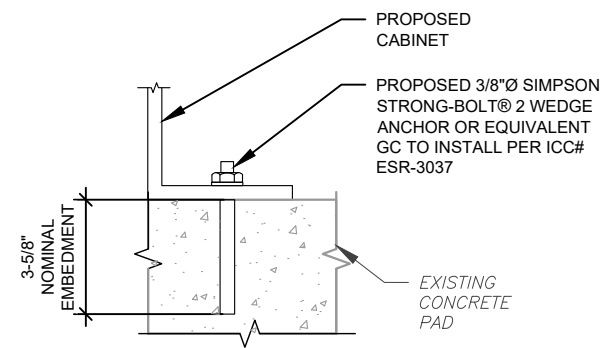
SHEET NUMBER:	REVISION:
C-501	0

H-FRAME NOTES:

1. IF IT IS NECESSARY TO EXTEND THE H-FRAME, AN ADDITIONAL POST WILL ALWAYS BE REQUIRED.
2. PROPOSED UNISTRUTS TO BE FIELD CUT AND SHOULD NOT EXTEND MORE THAN 6 INCHES BEYOND THE LAST POST.
3. SPRAY ENDS OF UNISTRUT WITH COLD GALVANIZING SPRAY PAINT, ALLOW TO DRY, THEN COVER WITH RUBBER PROTECTIVE CAPS FOR SAFETY.
4. UNISTRUT TO BE CUT FLUSH WITH NO SHARP OR JAGGED EDGES.
5. ALL PROPOSED HARDWARE TO BE MOUNTED PER MANUFACTURERS SPECS.
6. ALL H-FRAME POSTS SHALL BE GROUNDED TO EQUIPMENT GROUND RING.



1 TYPICAL H-FRAME DETAIL
SCALE: N.T.S.



NOTE:
INSTALL SIMPSON STRONG-TIE® STRONG-BOLT@ 2 WEDGE ANCHOR(S) STRICTLY PER INSTALLATION INSTRUCTIONS INCLUDED WITH PRODUCT OR FOUND ONLINE AT WWW.STRONGTIE.COM. PROPER INSTALLATION IS CRITICAL FOR FULL PERFORMANCE.

2 CABINET ATTACHMENT DETAIL
SCALE: N.T.S.



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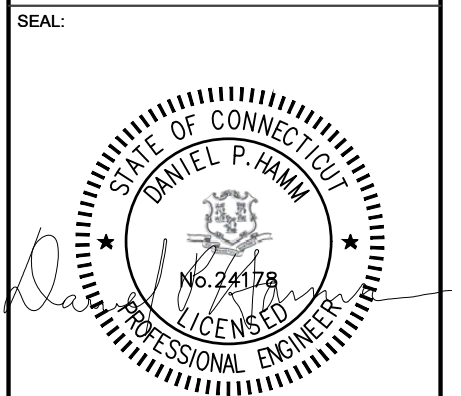
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A	PRELIM	SS	06/03/22
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ATC SITE NUMBER:
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SITE ADDRESS:
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WOODBURY, CT 06798-2507

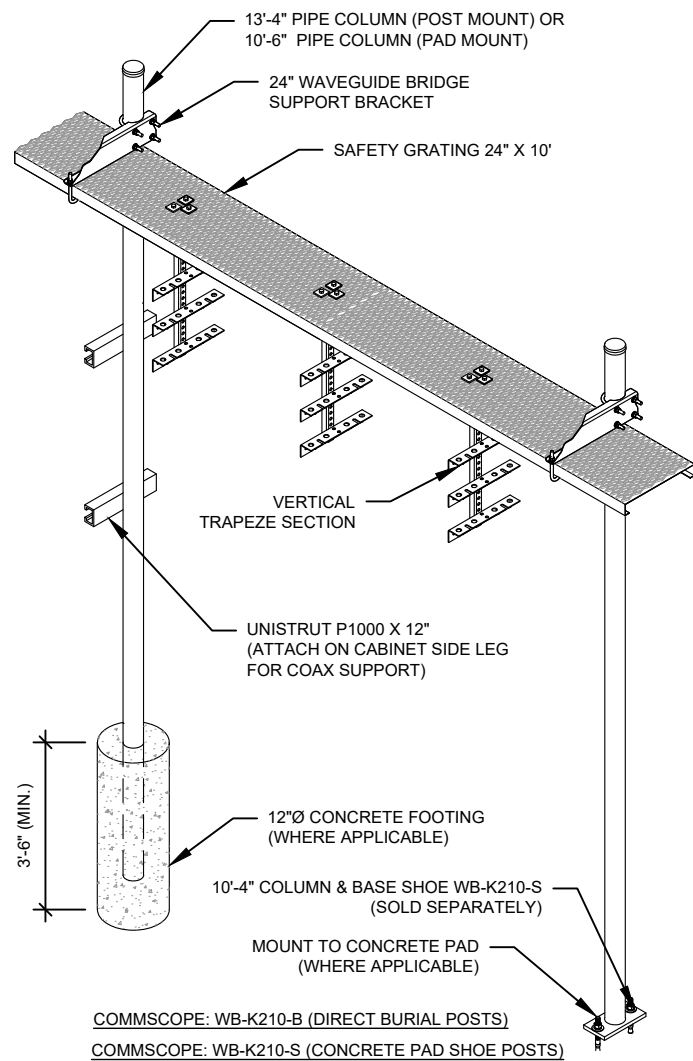


T-Mobile

DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

CONSTRUCTION DETAILS

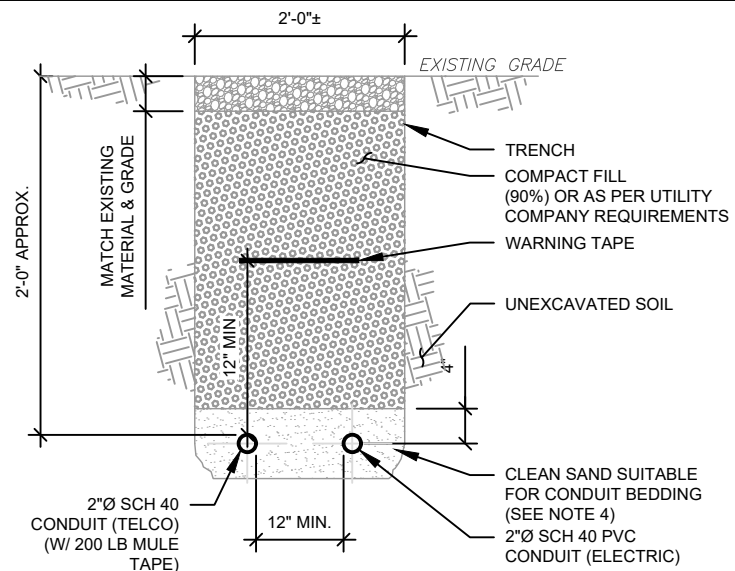
SHEET NUMBER:	REVISION:
C-502	0



CONSTRUCTION NOTE:

1. INSTALL ICE BRIDGE TO ALLOW 7 FEET CLEARANCE ABOVE GRADE TO LOWEST APPURTENANCE.
2. INSTALL PER MANUFACTURES SPECIFICATION.

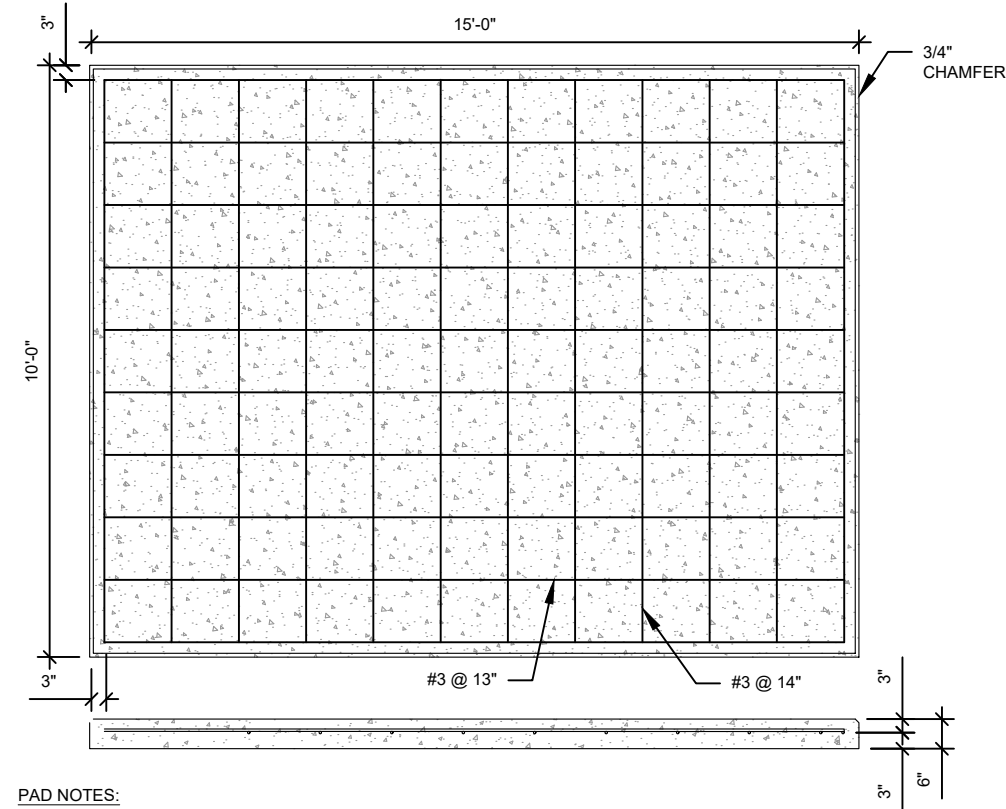
1 WAVEGUIDE BRIDGE KIT
SCALE: N.T.S.



TRENCH NOTES:

1. IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL.
2. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
3. IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.
4. CONCRETE ENCASE CONDUIT WHEN TRENCHING UNDER SITE ACCESS ROAD.

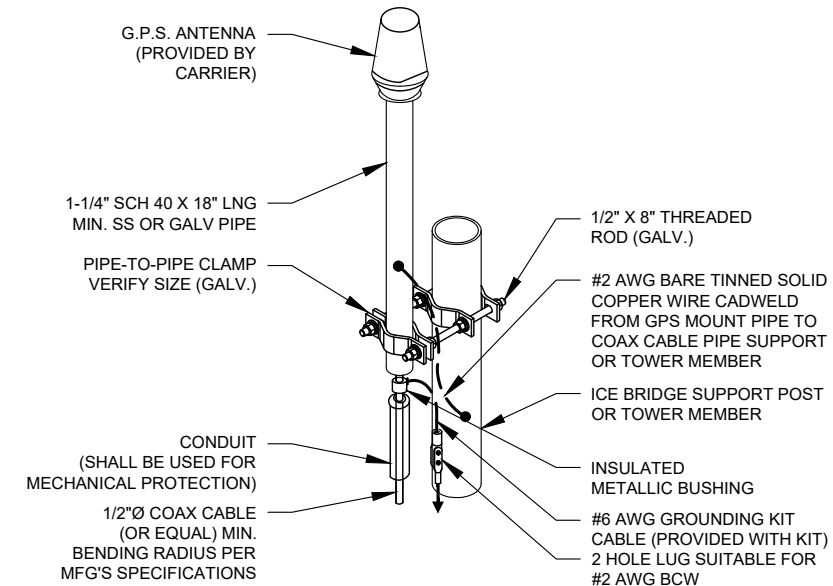
2 TELCO AND POWER CONDUIT JOINT TRENCH
SCALE: N.T.S.



PAD NOTES:

1. PADS SHALL BE PRE-CAST MATCHING THIS DESIGN WHERE ALLOWED BY LOCAL JURISDICTION.
2. REFER TO CONCRETE & REINFORCED STEEL NOTES ON SHEET G-002 & ATC SPEC 033000 FOR CAST-IN-PLACE PADS.

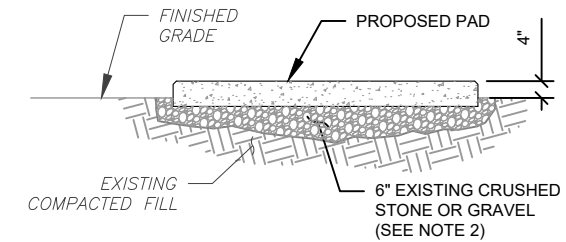
4 REINFORCED PAD LAYOUT
SCALE: N.T.S.



NOTE:

1. GPS SHALL BE PLACED WITH CLEAR SIGHT LINE TO THE SOUTHERN SKY.
2. CONTRACTOR TO SUPPLY COAX FOR GPS UNIT.

3 GPS ANTENNA ATTACHMENT DETAIL
SCALE: N.T.S.



PAD NOTES:

1. SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. DELETERIOUS MATERIAL AND ORGANICS SHALL BE REMOVED.
2. MECHANICALLY COMPACT FOOTPRINT OF PAD PLUS 2' PERIMETER.
3. USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR EQUIPMENT ANCHORAGE.
4. FOR SIZE AND LOCATION OF ANCHORS AND OTHER REQUIREMENT, SEE EQUIPMENT VENDOR DRAWINGS.

5 GRAVEL PREPARATION
SCALE: N.T.S.



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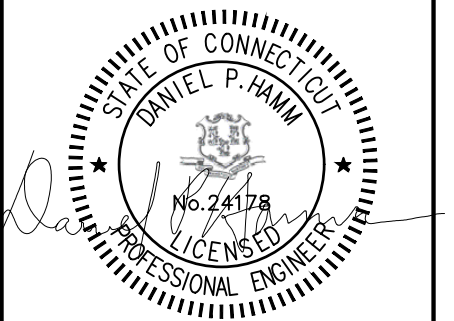
ATC SITE NUMBER:
411180

ATC SITE NAME:
GOOD HILL CT

T-MOBILE SITE NAME:
GOOD HILL WOODBURY ATC

SITE ADDRESS:
478 GOOD HILL ROAD
WOODBURY, CT 06798-2507

SEAL:



DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
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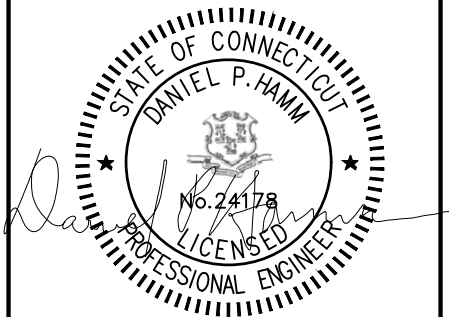
ATC SITE NUMBER:
411180

ATC SITE NAME:
GOOD HILL CT

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478 GOOD HILL ROAD
WOODBURY, CT 06798-2507

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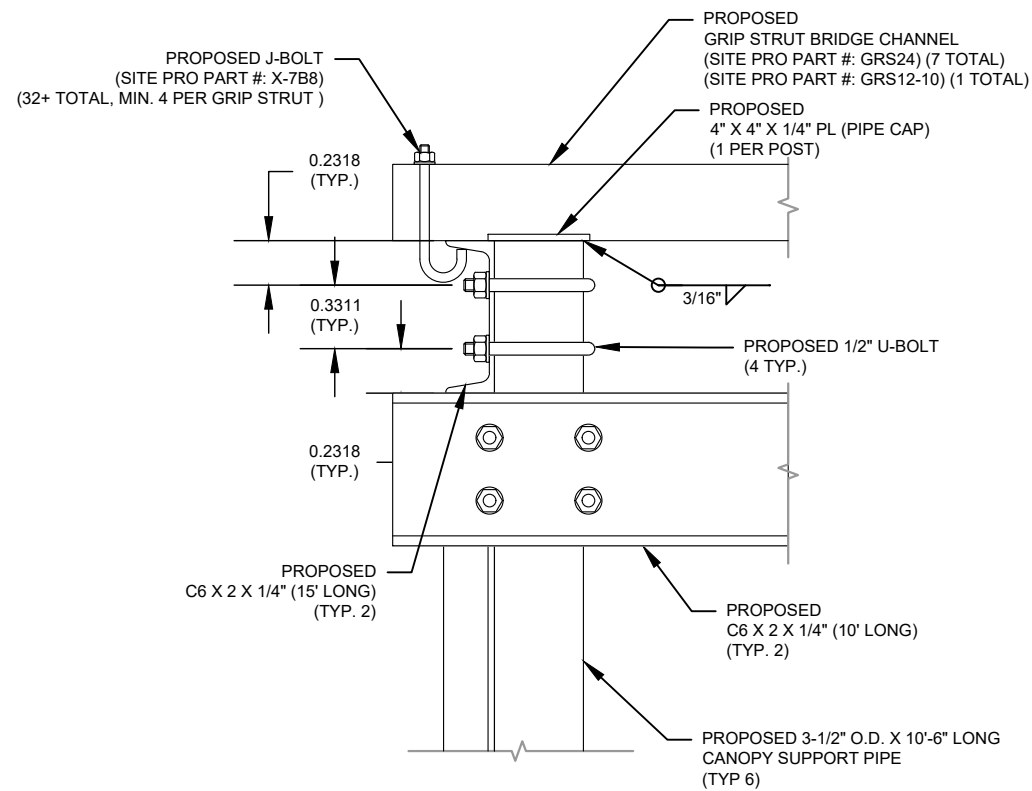


DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

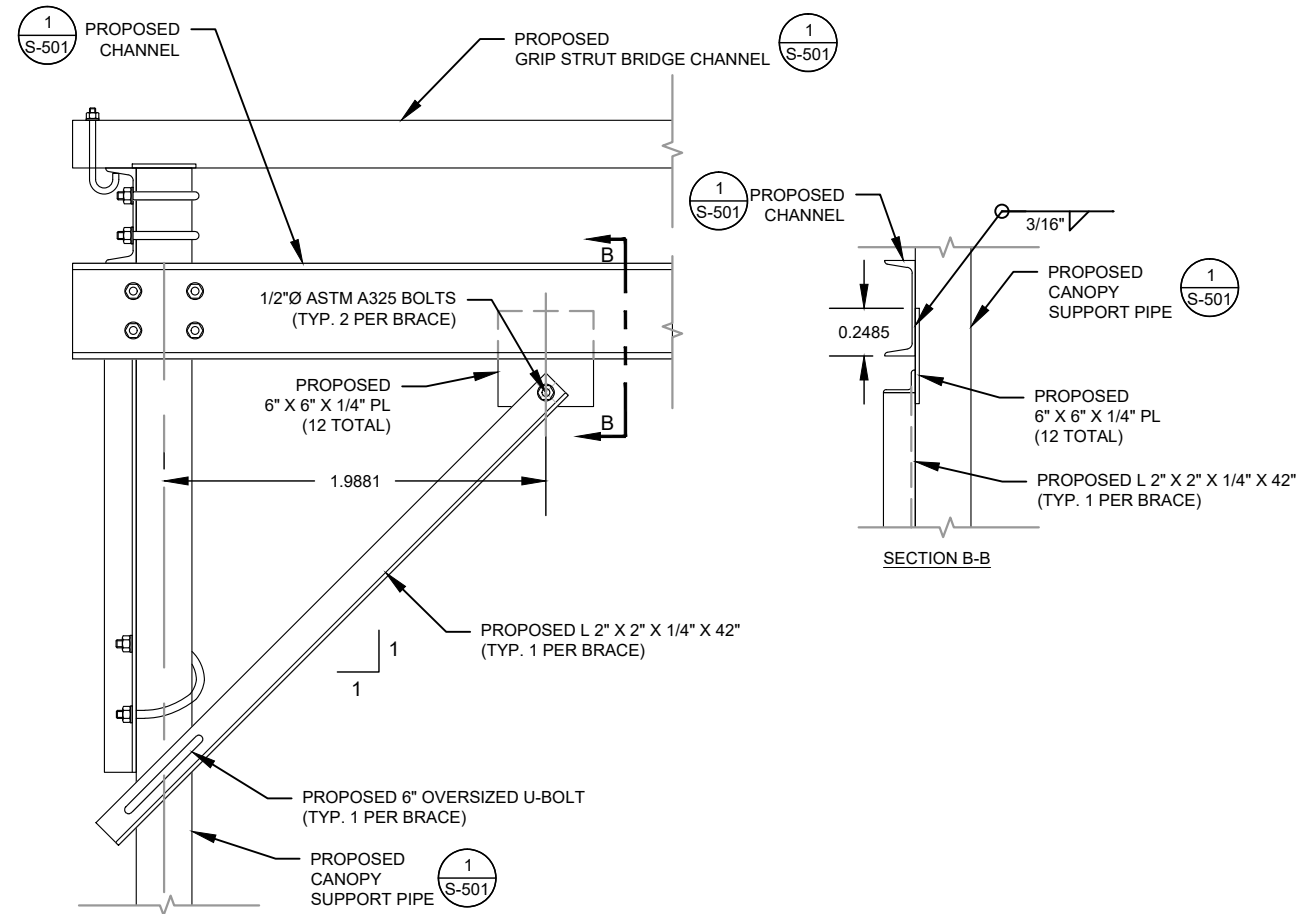
CONSTRUCTION DETAILS

SHEET NUMBER:	REVISION:
C-504	0

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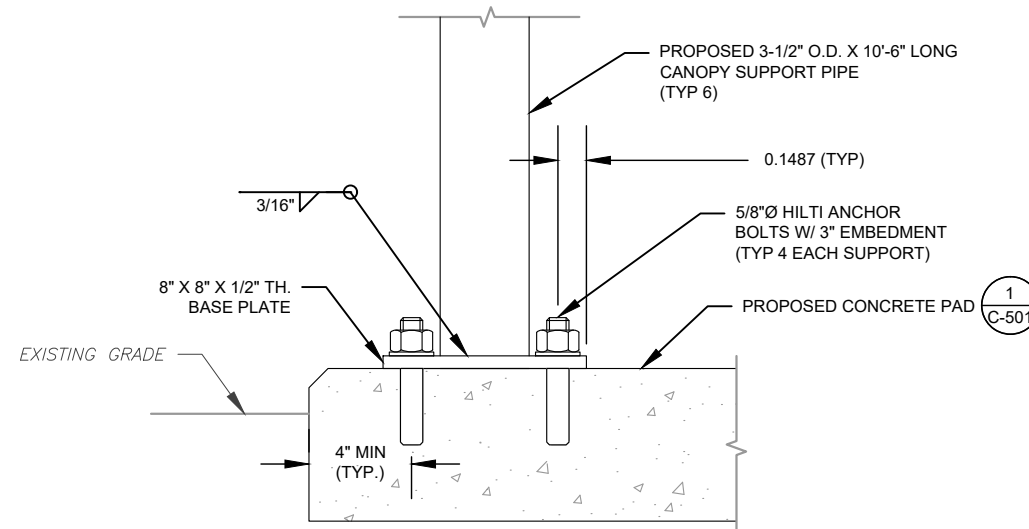


1 CANOPY SUPPORT DETAIL A-A
SCALE: N.T.S.



NOTE: EACH CANOPY POST SHALL HAVE (2) BRACES PER POST

2 CANOPY BRACING DETAIL
SCALE: N.T.S.









3 CANOPY SUPPORT/ANCHOR DETAIL
SCALE: N.T.S.

GROUNDING NOTES:

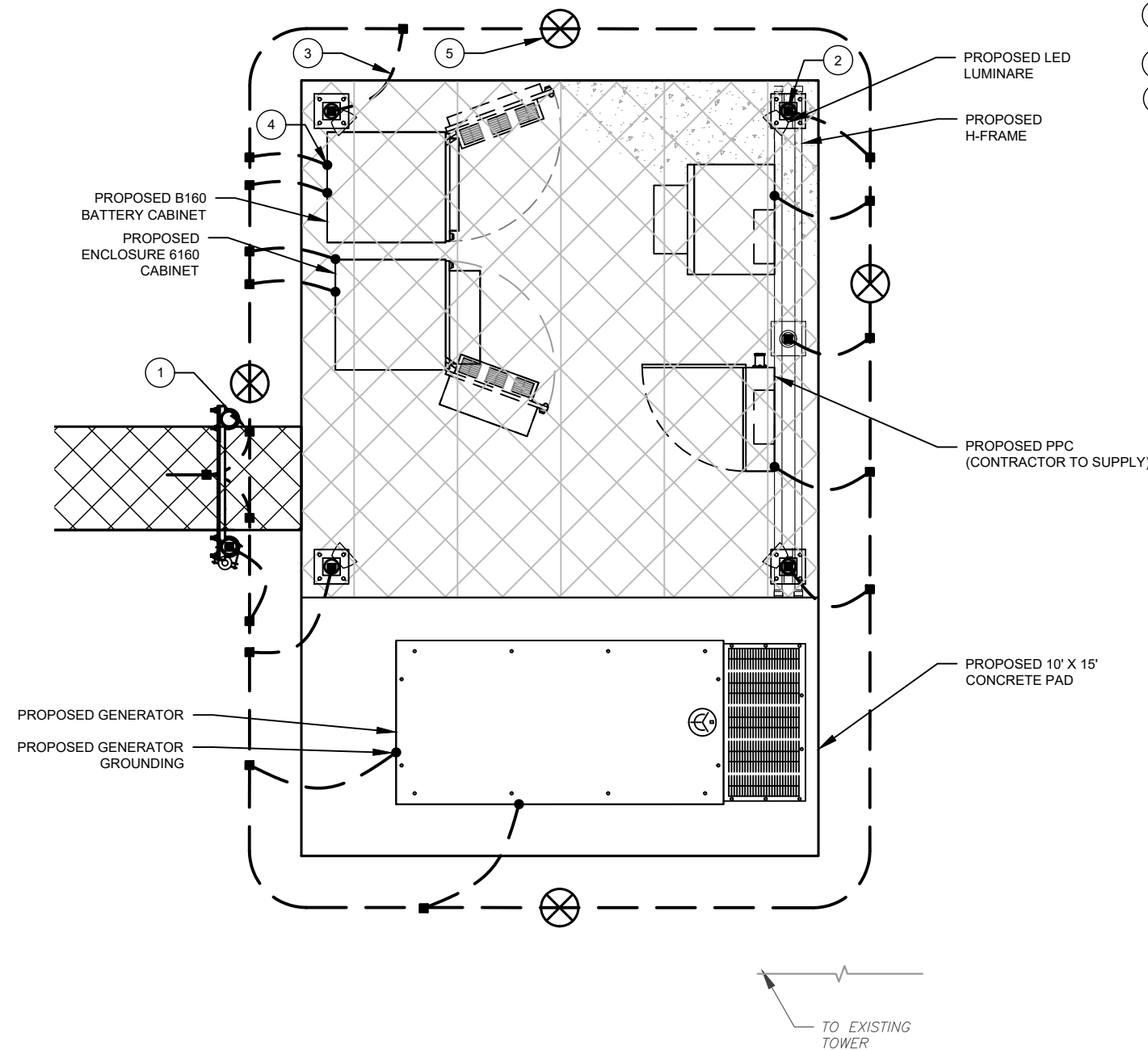
1. ALL EQUIPMENT ENCLOSURES, DEVICES AND CONDUITS SHALL BE GROUNDED TO CONFORM WITH THE LATEST REQUIREMENTS OF THE NEC BY THE INSTALLATION OF A SEPARATE, GREEN, INSULATED GROUND CONDUCTOR FOR ALL FEEDER AND BRANCH CIRCUITS. GROUND CONDUCTORS SHALL BE OF THE SIZE INDICATED ON THE DRAWINGS. GROUND CONDUCTORS SHALL BE CONTINUOUS IN LENGTH AND SHALL BE BONDED TO EACH ENCLOSURE THEY PASS THROUGH. CONDUIT SHALL NOT BE USED AS A GROUNDING CONDUCTOR.
2. GROUNDING CONDUCTORS SHALL:
 - A. BE #2 AWG SOLID BARE TINNED COPPER (SBTC) FOR ALL GROUNDING SYSTEM WIRE UNLESS OTHERWISE NOTED, OR OTHERWISE REQUIRED BY CODE.
 - B. BE MINIMUM 12" BEND RADIUS. KEEP NUMBER OF BENDS TO A MINIMUM.
 - C. AVOID LONG BONDING CONNECTION RUNS. MAKE DIRECT AS POSSIBLE.
 - D. NOT HAVE ANY U-SHAPED RUNS.
 - E. BE IN NON-METALLIC CONDUIT ONLY, IF IN CONDUIT.
 - F. BE PLACED THROUGH NON-METALLIC SLEEVES IN FLOORS, WALLS, CEILINGS, ETC.
 - G. PROTECTED IN NON-METALLIC CONDUIT WHERE EXPOSED ABOVE GRADE.
2. INSTALL ALL GROUNDING RINGS AND RADIALS WITH CONDUCTIVE CEMENT, SANKOSHA AS DISTRIBUTED BY ELECTRIC MOTION COMPANY, INC., WINSTED, CT 06098, OR AS SPECIFICALLY INDICATED. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
3. GROUND RINGS SHALL BE:
 - A. MINIMUM 30" BELOW GRADE, OR BELOW FROST LINE WHICHEVER IS DEEPER.
 - B. MINIMUM 2' FROM FOUNDATIONS, FOOTINGS, OTHER GROUNDING SYSTEMS AND ALL CONDUCTIVE OBJECTS.
 - C. WITH MINIMUM 12" BEND RADII.
 - D. WITH ALL CONNECTIONS IN CONTACT WITH EARTH, BONDED BY EXOTHERMIC WELDING.
 - E. BONDED TO A SINGLE POINT GROUND (SPG) WITH A SINGLE WIRE AS INDICATED ON DRAWINGS.
4. GROUND RODS SHALL BE:
 - A. MINIMUM 5/8" DIAMETER.
 - B. MINIMUM 10' LONG.
 - C. COPPER-CLAD GALVANIZED STEEL OR STAINLESS STEEL.
 - D. PLACED IN UNDISTURBED SOIL AND BELOW THE FROST LINE.
 - E. INSTALLED WITH MINIMUM SEPARATION DISTANCE OF TWICE THE DEPTH OF THE ROD(S), OR AS INDICATED ON DRAWINGS.
 - F. MINIMUM TWO (2) RODS ON THE TOWER RING OR ONE (1) PER LEG WHICHEVER IS LARGER, MINIMUM FOUR (4) RODS ON EVERY EQUIPMENT BUILDING RING WITH ONE AT EACH CORNER OR AS INDICATED, MINIMUM ONE (1) ROD FOR POWER SERVICE GROUNDING ELECTRODE, AND MINIMUM ONE (1) ROD AT END OF EACH RADIAL.
5. CONDUCTIVE OBJECTS, SUCH AS FENCES, SHALL BE BONDED TO THE GROUNDING SYSTEM IF WITHIN 20' OF THE TOWER GROUNDING SYSTEM, OR 5' OF ANY OTHER GROUNDED COMPONENT.

GROUNDING PLAN LEGEND:

- | | | | |
|---|----------------------|---|-------------------|
|  | EXISTING GROUND WIRE |  | COPPER GROUND ROD |
|  | GROUND WIRE |  | TEST WELL |
|  | EXOTHERMIC WELD | | |
|  | MECHANICAL WELD | | |

GROUNDING KEYED NOTES:

- ① BOND TO TOWER GROUND RING
- ② #2 AWG BOND FROM VERTICAL H-FRAME AND ICE BRIDGE POST TO EXTERNAL GROUND RING (TYP. EVERY POST).
- ③ #2 AWG SBTC BOND FROM TOWER GROUND RING TO EQUIPMENT.
- ④ EQUIPMENT BOND TO GROUND RING (TYP.)
- ⑤ 5/8" X 10 FT GROUND ROD.



① **DETAILED GROUNDING PLAN**
SCALE: N.T.S.



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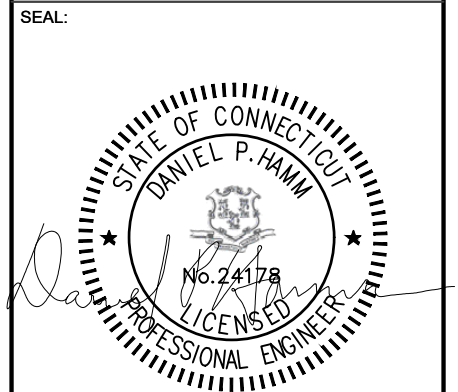
REV.	DESCRIPTION	BY	DATE
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ATC SITE NUMBER:
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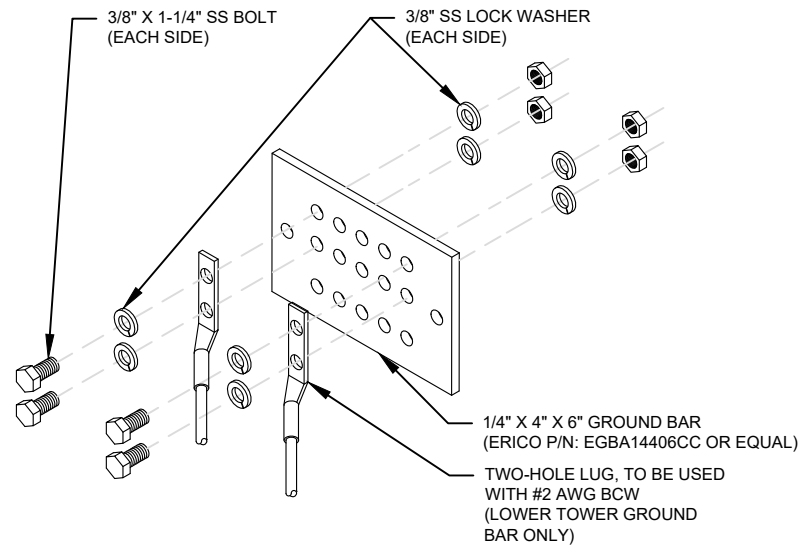


DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
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CUSTOMER #:	CTNH290A

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-101	0

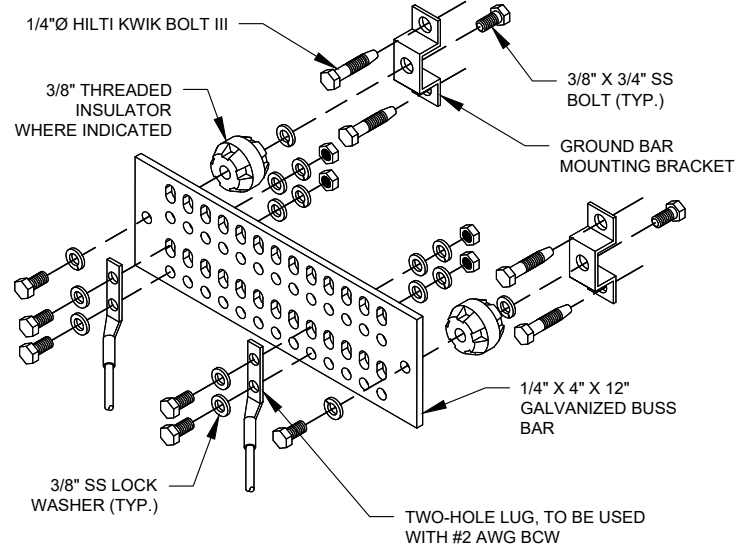
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GROUND BAR NOTES:

- GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
- GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

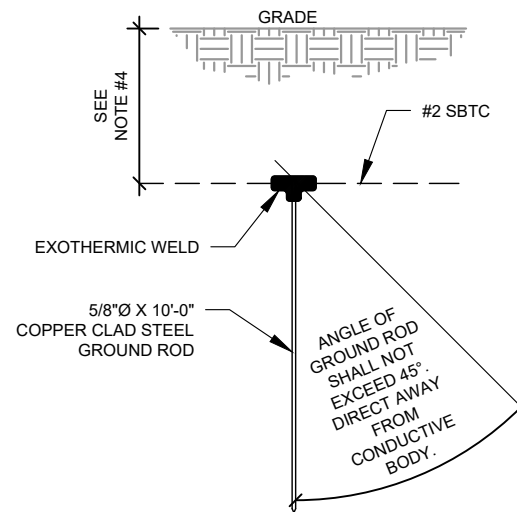
1 TOWER GROUND BAR DETAIL
SCALE: N.T.S.



GROUND BAR NOTES

- GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
- GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

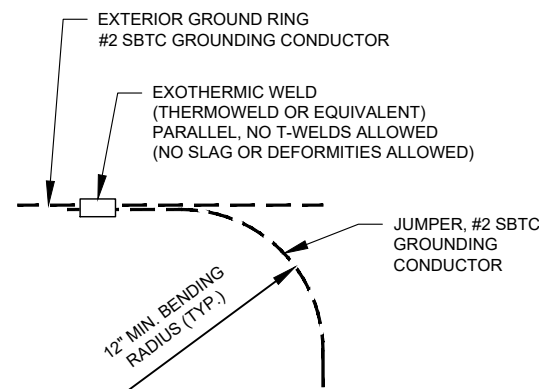
2 MAIN GROUND BAR DETAIL
SCALE: N.T.S.



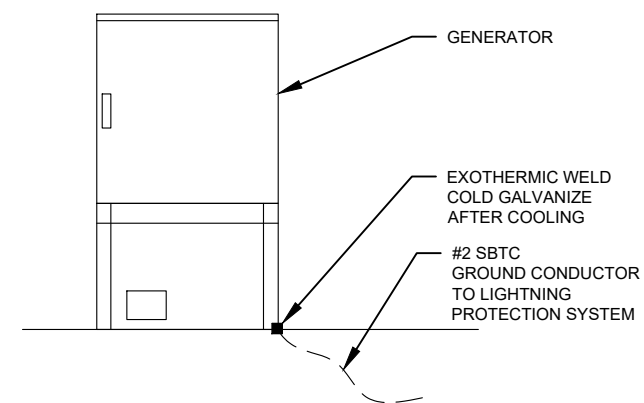
NOTES:

- SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS.
- COORDINATE UTILITY, LOCATE BEFORE DIGGING.
- CONDUIT TRENCHING DEPTHS AT 36\"/>

3 GROUND ROD DETAIL
SCALE: N.T.S.



4 TIE CONNECTION DETAIL
SCALE: N.T.S.



GENERATOR INSTALLATION NOTE:

INSTALL GENERATOR AND TRANSFER SWITCH WITH ALL SUPPLIED ACCESSORIES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, ACCESSORIES FOR THE EXHAUST SYSTEM, FUEL SYSTEM, ENCLOSURE INTEGRITY (CAPS, PLUGS, COVERS, ETC.), ELECTRICAL CONNECTIONS, AND GROUNDING CONNECTIONS.

5 GENERATOR GROUNDING
SCALE: N.T.S.



45 BEECHWOOD DRIVE
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
A	PRELIM	SS	06/03/22
0	FINALS	TR	07/07/22

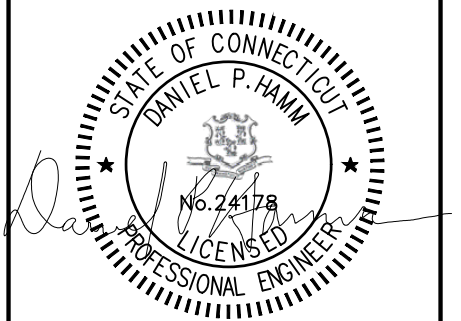
ATC SITE NUMBER:
411180

ATC SITE NAME:
GOOD HILL CT

T-MOBILE SITE NAME:
GOOD HILL WOODBURY ATC

SITE ADDRESS:
478 GOOD HILL ROAD
WOODBURY, CT 06798-2507

SEAL:



DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

GROUNDING DETAILS

SHEET NUMBER:	REVISION:
E-501	0

PANEL DESIGNATION: TMO		TYPE: LIGHTING & APPLIANCE	SYSTEM: 120/240V, 1Ø, 3W, 24 CKT	LOCATION: TMO LEASE EQUIPMENT AREA
MOUNTING: SURFACE		ENCLASURE: NEMA 3R	MAIN BREAKER (MB): 200A	PANEL NOTES: PROPOSED
			MAIN BUS RATING: 200A	
			MIN. A.I.C. RATING: N/A	

CONNECTED LOAD (kVA)	BRIEF DESCRIPTION	FEEDER OR BRANCH CIRCUIT						FEEDER OR BRANCH CIRCUIT						CONNECTED LOAD (kVA)			
		BREAKER AMPS	POLES	WIRE	GND	COND	POLE NO.	CIRC. NOTES	CIRC. NOTES	POLE NO.	COND	GND	WIRE	POLES	AMPS	A	B
0.01							1										
0.01	SURGE	60	2	3-#6	#10	1"	3										
7.50							5										
7.50	ENCLOSURE 6160	150	2	2-#3/0	#6	2"	7										
0.18	6160 GR	20	1	2-#12	#12		9										
0.00							11										
0.00							13										
0.00							15										
0.00							17										
0.00							19										
0.00							21										
0.00							23										
7.7															0.8	2.0	
		A	B	TOTAL													
		8.5	9.5	18.0													
		8.5	9.5	18.0													

DERATING FACTOR (80%)	94 AMPS
DEMAND LOAD SIZING:	

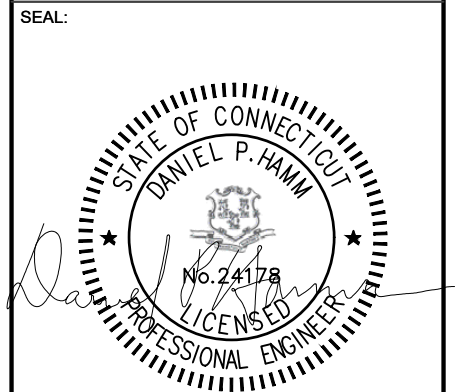
NOTE:
 1. ALL EQUIPMENTS' SHORT-CIRCUIT CURRENT RATING SHALL EXCEED AVAILABLE FAULT CURRENT PER UTILITY
 2. CONTRACTOR TO INSTALL HANDHOLES AT EVERY 3RD 90° TURN



45 BEECHWOOD DRIVE N. ANDOVER, MA 01845
 TEL: (978) 557-5553 FAX: (978) 336-5586

REV.	DESCRIPTION	BY	DATE
A	PRELIM	SS	06/03/22
O	FINALS	TR	07/07/22

ATC SITE NUMBER: **411180**
 ATC SITE NAME: **GOOD HILL CT**
 T-MOBILE SITE NAME: **GOOD HILL WOODBURY ATC**
 SITE ADDRESS: **478 GOOD HILL ROAD WOODBURY, CT 06798-2507**

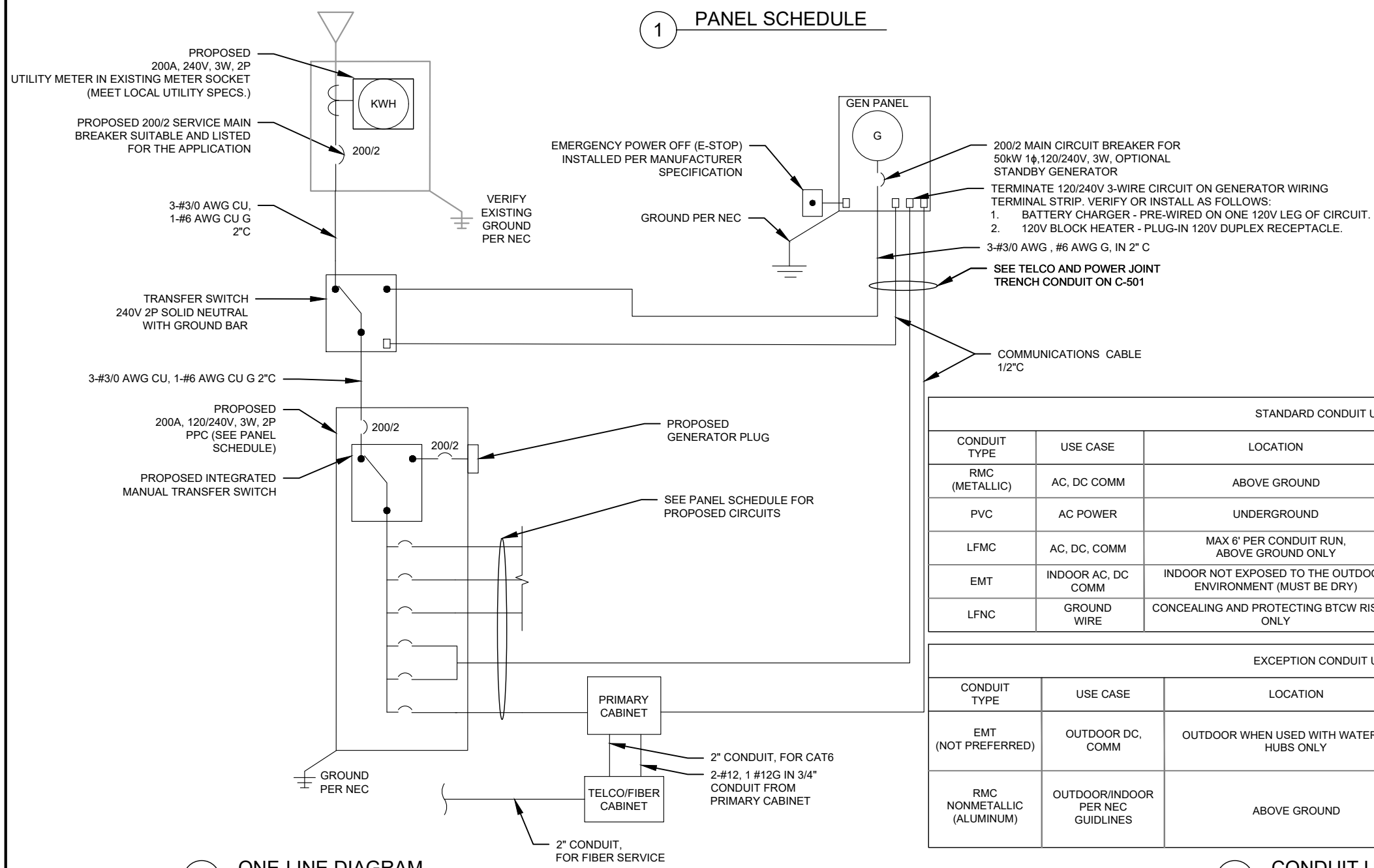


DATE DRAWN:	06/03/22
ATC JOB NO:	14099769_G2
CUSTOMER ID:	GOOD HILL WOODBURY ATC
CUSTOMER #:	CTNH290A

PANEL SCHEDULE & ONE-LINE DIAGRAM

SHEET NUMBER:	REVISION:
E-601	0

1 PANEL SCHEDULE



2 ONE-LINE DIAGRAM

3 CONDUIT USE TABLES

STANDARD CONDUIT USE TABLE			
CONDUIT TYPE	USE CASE	LOCATION	USE CASE EXAMPLE
RMC (METALLIC)	AC, DC COMM	ABOVE GROUND	ABOVE GROUND PPC TO SSC
PVC	AC POWER	UNDERGROUND	UNDERGROUND PPC TO SSC OR BACKHAUL TRANSPORT HUB TO SSC
LFMC	AC, DC, COMM	MAX 6' PER CONDUIT RUN, ABOVE GROUND ONLY	TIGHT LOCATIONS BETWEEN HUB AND CONDUIT BUT NOT TO BE USED WHERE IT CAN BE STEPPED ON
EMT	INDOOR AC, DC COMM	INDOOR NOT EXPOSED TO THE OUTDOOR ENVIRONMENT (MUST BE DRY)	CIRCUIT PANEL TO JUNCTION BOX
LFNC	GROUND WIRE	CONCEALING AND PROTECTING BTCW RISERS ONLY	GROUND RING TO MGB OR SSC

EXCEPTION CONDUIT USE TABLE			
CONDUIT TYPE	USE CASE	LOCATION	USE CASE EXAMPLE
EMT (NOT PREFERRED)	OUTDOOR DC, COMM	OUTDOOR WHEN USED WITH WATERTIGHT HUBS ONLY	BETWEEN EQUIPMENT AND BATTERY CABINET OR EQUIPMENT TO EQUIPMENT CABINETS FOR INTER CABINET CONNECTION
RMC NONMETALLIC (ALUMINUM)	OUTDOOR/INDOOR PER NEC GUIDELINES	ABOVE GROUND	MAY BE USED AS A LOWER COST ALTERNATIVE TO METALLIC RMC, MUST MEET OR EXCEED FEDERAL SPEC: WW-C-540C, UL-6A, ANSI C80.5, NEC 344.10 (A) ALLOWS THE USE OF EITHER ALUMINUM OR GALVANIZED FITTINGS

4/22/22, 10:50 AM CTNH290A_Coverage Strategy_1_draft_2022-04-22

RAN Template: 67E5D98E 6160 A&L Template: 67E5998E_1AIR+1QP+1QP CTNH290A_Coverage Strategy_1_draft
 Print Name: Standard
 POB: Coverage Strategy_Regional Coverage

Section 1 - Site Information

Site ID: CTNH290A Site Name: Good Hill Woodbury ATC Site Class: Macrocell Site Type: Structure Not Building Plan Year: 2022 Latitude: 41.5872000 Longitude: -73.2057600 Address: 476 Good Hill City, State: Woodbury, CT Region: NORTHEAST
 Status: Draft Project Type: Coverage Strategy Approved: Not Approved Approved By: Not Approved Last Modified: 4/21/2022 2:53:45 PM Last Modified By: Mohamed.Said@T-Mobile.com
 Vendor: Ericsson Landlord: Not Specified

RAN Template: 67E5D98E 6160 A&L Template: 67E5998E_1AIR+1QP+1QP
 Beamer Count: 3 Antenna Count: 9 Coax Line Count: 0 TMA Count: 0 RRU Count: 6

Section 2 - Existing Template Images
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https://fids-prod-web-core-secure.geo.cf.t-mobile.com/DataSheet/Printout/94908f3d-dd70-4839-92ad-6d2a326df941?layoutid=27685e00-c85e-4d72-b... 1/8

4/22/22, 10:50 AM CTNH290A_Coverage Strategy_1_draft_2022-04-22

RAN Template: 67E5D98E 6160 A&L Template: 67E5998E_1AIR+1QP+1QP CTNH290A_Coverage Strategy_1_draft
 Print Name: Standard
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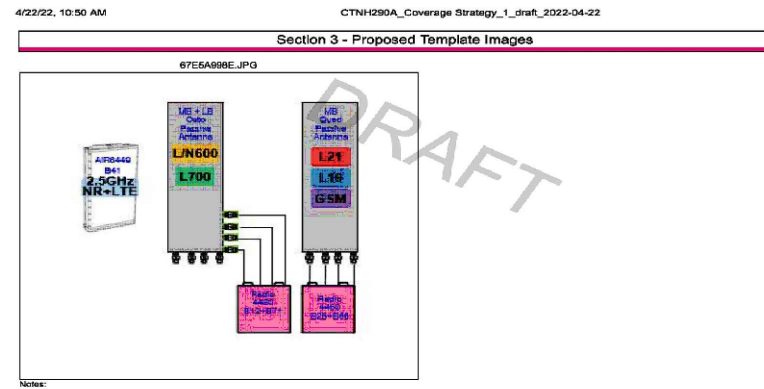
Section 5 - RAN Equipment

Existing RAN Equipment
 ---- This section is intentionally blank. ----

Proposed RAN Equipment
 Template: 67E5D98E 6160

Enclosure	1	2	3
Enclosure Type	(Enclosure 0100 AC V1)	(B100)	(RBS 6001)
Baseband	RP 6651 (L200) (N200)	RP 6651 (L700) (L800) (N600) (L2100) (L1900)	DUG20 (G1900)
Hybrid Cable System	(Hybrid Trunk 824 4AWG 100m (x 2)) (PSU 4613 v1A4 (60) (x 2))		
Transport System	(CSR DRn V2 (Gen2))		
RAN Scope of Work:			

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https://fids-prod-web-core-secure.geo.cf.t-mobile.com/DataSheet/Printout/94908f3d-dd70-4839-92ad-6d2a326df941?layoutid=27685e00-c85e-4d72-b... 2/8

4/22/22, 10:50 AM CTNH290A_Coverage Strategy_1_draft_2022-04-22

RAN Template: 67E5D98E 6160 A&L Template: 67E5998E_1AIR+1QP+1QP CTNH290A_Coverage Strategy_1_draft
 Print Name: Standard
 POB: Coverage Strategy_Regional Coverage

Section 6 - A&L Equipment

Existing Template: Custom
 Proposed Template: 67E5998E_1AIR+1QP+1QP

Sector 1 (Proposed) view from behind

Coverage Type	A - Outdoor Macro							
Antenna	1		2		3			
Antenna Model	RFS - APXVALL24_43-U-NA20 (Octo)		AIR 6419 B41 (Active Antenna - Massive MIMO)		Comscope_VV-65A-R1 (Quad)			
Azimuth	30		30		30			
M. Tilt								
Height	135		135		135			
Ports	P1	P2	P3	P4	P5	P6	P7	P8
Active Tech.	L700 (L600) (N600)	L700 (L600) (N600)			L2000 N2000 (L2000 N2000)	L2000 N2000 (L2000 N2000)	L2100 L1900 (G1900)	L2100 L1900 (G1900)
Dark Tech.								
Restricted Tech.								
Decomm. Tech.								
E. Tilt								
Cables	Coax Jumper (x2)	Coax Jumper (x2)					Coax Jumper (x2)	Coax Jumper (x2)
TMA's								
Diplexers / Combiners								
Radio	Radio 4480 B71+BB S (At Antenn a)	Radio 4480 B71+BB S (At Antenn a)			Radio 4480 B25+BB6 S (At Antenna)	Radio 4480 B25+BB6 S (At Antenna)		
Sector Equipment								
Unconnected Equipment:								
Scope of Work:								

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

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4/22/22, 10:50 AM CTNH290A_Coverage Strategy_1_draft_2022-04-22

Section 4 - Siteplan Images
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https://fids-prod-web-core-secure.geo.cf.t-mobile.com/DataSheet/Printout/94908f3d-dd70-4839-92ad-6d2a326df941?layoutid=27685e00-c85e-4d72-b... 3/8

4/22/22, 10:50 AM CTNH290A_Coverage Strategy_1_draft_2022-04-22

RAN Template: 67E5D98E 6160 A&L Template: 67E5998E_1AIR+1QP+1QP CTNH290A_Coverage Strategy_1_draft
 Print Name: Standard
 POB: Coverage Strategy_Regional Coverage

Sector 2 (Proposed) view from behind

Coverage Type	A - Outdoor Macro							
Antenna	1		2		3			
Antenna Model	RFS - APXVALL24_43-U-NA20 (Octo)		AIR 6419 B41 (Active Antenna - Massive MIMO)		Comscope_VV-65A-R1 (Quad)			
Azimuth	150		150		150			
M. Tilt								
Height	135		135		135			
Ports	P1	P2	P3	P4	P5	P6	P7	P8
Active Tech.	L700 (L600) (N600)	L700 (L600) (N600)			L2000 N2000 (L2000 N2000)	L2000 N2000 (L2000 N2000)	L2100 L1900 (G1900)	L2100 L1900 (G1900)
Dark Tech.								
Restricted Tech.								
Decomm. Tech.								
E. Tilt								
Cables	Coax Jumper (x2)	Coax Jumper (x2)					Coax Jumper (x2)	Coax Jumper (x2)
TMA's								
Diplexers / Combiners								
Radio	Radio 4480 B71+BB S (At Antenn a)	Radio 4480 B71+BB S (At Antenn a)			Radio 4480 B25+BB6 S (At Antenna)	Radio 4480 B25+BB6 S (At Antenna)	Radio 4480 B25+BB6 S (At Antenna)	Radio 4480 B25+BB6 S (At Antenna)
Sector Equipment								
Unconnected Equipment:								
Scope of Work:								

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

https://fids-prod-web-core-secure.geo.cf.t-mobile.com/DataSheet/Printout/94908f3d-dd70-4839-92ad-6d2a326df941?layoutid=27685e00-c85e-4d72-b... 6/8

SUPPLEMENTAL

SHEET NUMBER: R-601
 REVISION: 0

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RAN Template: 67E5D998E 6160
 A&L Template: 67E5998E_1xAIR+1OP+1QP

CTNH290A_Coverage Strategy_1_draft

Print Name: Standard
 PORs: Coverage Strategy_Regional Coverage

Sector 3 (Proposed) view from behind									
Coverage Type	A - Outdoor Macro								
Antenna	1		2		3				
Antenna Model	RFS - APXVAALL24_43-U-NA20 (Octo)		AIR 6419 B41 (Active Antenna - Massive MIMO)		Commscope_VV-65A-R1 (Quad)				
Azimuth	270		270		270				
M. Tilt									
Height	135		135		135				
Ports	P1	P2	P3	P4	P5	P6	P7	P8	
Active Tech.	L700 L600 N600	L700 L600 N600			L2500 N2500	L2500 N2500	L2100 L1900 G1900	L2100 L1900 G1900	
Dark Tech.									
Restricted Tech.									
Decomm. Tech.									
E. Tilt									
Cables	Coax Jumper (x2)	Coax Jumper (x2)					Coax Jumper (x2)	Coax Jumper (x2)	
TMA's									
Diplexers / Combiners									
Radio	Radio 4480 B71+B8 5 (At Antenna)	SHARED Radio 4480 B71+B8 5 (At Antenna)					Radio 4480 B25+B66 (At Antenna)	SHARED Radio 4480 B25+B66 (At Antenna)	
Sector Equipment									
Unconnected Equipment:									
Scope of Work:									

*A dashed border indicates shared equipment. Any connected equipment is denoted with the SHARED keyword.

RAN Template: 67E5D998E 6160
 A&L Template: 67E5998E_1xAIR+1OP+1QP

CTNH290A_Coverage Strategy_1_draft

Print Name: Standard
 PORs: Coverage Strategy_Regional Coverage

Section 7 - Power Systems Equipment	
Existing Power Systems Equipment	
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Proposed Power Systems Equipment	
Enclosure	1
Enclosure Type	Enclosure 6160 AC V1

SUPPLEMENTAL

SHEET NUMBER: R-602
 REVISION: 0

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NSB 190FT Red Battery®
Long float life at elevated temperatures



Red Star Technology® uses pure lead plates to deliver exceptionally long float life even at elevated temperatures.

- Pure lead AGM technology delivers long float life for telecom applications even at elevated temperatures
- 15 year float life at 20°C (68°F)
- EUROBAT design life definition: Long Life (12+ years)
- High energy density
- Operating temperature range: -40°C to +65°C (40°F to 149°F)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak-free operation - female MB brass terminals provide maximum performance
- 2 year shelf life at 25°C (77°F)
- High modulus Polyethylene Oxide (PEO) plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
- Non-halogenated, thermally sealed plastic casing
- Flame retardant (UL 94 V0) and LOI of at least 28%
- Integral handles and front access terminals ensure ease of installation and maintenance
- Approved as non-hazardous cargo for ground, sea, and air transport - DOT 49CFR173.155(d), (i) and (j)

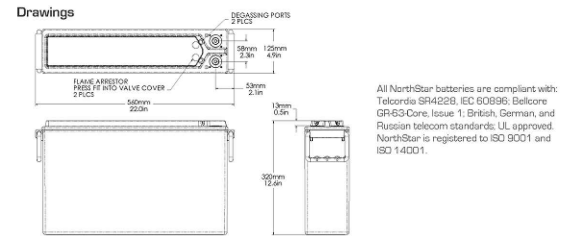
NSB 190FT Red Battery®
Nominal Technical Specifications



Electrical	International Standard 20°C (68°F)	North American Standard 25°C (77°F)
8 hour capacity to 1.75 VPC	188 Ah	191 Ah
10 hour capacity to 1.80 VPC	190 Ah	192 Ah
Floater Voltage	2.29 +/- 0.02 VPC	2.27 +/- 0.02 VPC
Nominal Voltage	12 V	
Impedance (1kHz)	2.2 mΩ @ 25°C (77°F)	
Conductance	2,400 S	
Short Circuit Current	6,000 A	

Dimensions				
Height	320 mm (12.6 in)	Weight	80 kg (132 lbs)	
Width	125 mm (4.9 in)	Terminal	Female MB x 1.25	
Depth	560 mm (22.0 in)	Terminal Torque	8.0 Nm (71 in-lbs)	

Ah Capacity Ratings @ 25°C (77°F)	1	2	4	8	10
Capacity Discharge / hours					
Capacity @ 25°C / Ah	150	167	181	191	192
End of Discharge / VPC	1.70	1.75	1.75	1.75	1.80



All NorthStar batteries are compliant with: Telcordia GR422B, IEC 60896, Bellcore GR-63-Core, Issue 1, British, German, and Russian telecom standards. UL approved. NorthStar is registered to ISO 9001 and ISO 14001.

- NorthStar Americas**
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Kuala Lumpur, Malaysia
asia@northstarbattery.com
Tel: +60 3 2117 5394

Visit our website to find out more www.northstarbattery.com



www.northstarbattery.com



NorthStar® Industrial Lead Acid Battery Safety Data Sheet

3. *COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS (Chemical/Common Names):	CAS No.:	% by Wt:
Lead and Lead Compounds (inorganic)	7439-92-1	50
Electrolyte (H2SO4/H2O)	7664-93-9	17
Lead Oxide	1309-60-0	20
Tin	7440-31-5	0.2

4. FIRST AID MEASURES
INHALATION:
Sulfuric Acid: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
Lead: Remove from exposure, gargle, wash nose and lips; consult physician.

INGESTION:
Sulfuric Acid: Give large quantities of water; Do NOT induce vomiting or aspiration into the lungs may occur and can cause permanent injury or death. Consult a physician.
Lead: Consult a physician immediately.

SKIN:
Sulfuric Acid: Flush with large amounts of water for at least 15 minutes; remove contaminated clothing completely, including shoes. If symptoms persist, seek medical attention. Wash contaminated clothing before reuse. Discard contaminated shoes.
Lead: Wash immediately with soap and water.

EYES:
Sulfuric Acid and Lead: Flush immediately with large amounts of water for at least 15 minutes while lifting lids; Seek immediate medical attention if eyes have been exposed directly to acid.

5. FIRE FIGHTING MEASURES
Flash Point: Not Applicable
Flammable Limits: LEL = 4.1% (Hydrogen Gas in air); UEL = 74.2%
Extinguishing media: CO2; foam; dry chemical. Do not use carbon dioxide directly on cells. Avoid breathing vapors. Use appropriate media for surrounding fire.

Fire Fighting Procedures:
Use positive pressure, self-contained breathing apparatus. Beware of acid splatter during water application and wear acid-resistant clothing, gloves, face and eye protection. If batteries are on charge, shut off power to the charging equipment, but note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.

NorthStar® Industrial Lead Acid Battery Safety Data Sheet

1. IDENTIFICATION **REVISION DATE: 01-31-18**

Product Name: Lead Acid Battery, Non-Spillable Wet	Product Use: Electric Storage Battery
Synonyms: Industrial Battery, Traction Battery, Stationary Battery, Deep Cycle Battery	Manufacturer/Supplier: NorthStar Battery, Co., LLC Address: 4000 E. Continental Way, Springfield, MO 65803
General Information Number: 417.575.8200	CAS Number: Not Applicable CHEMTREC: 800-424-9300

2. GHS HAZARDS IDENTIFICATION

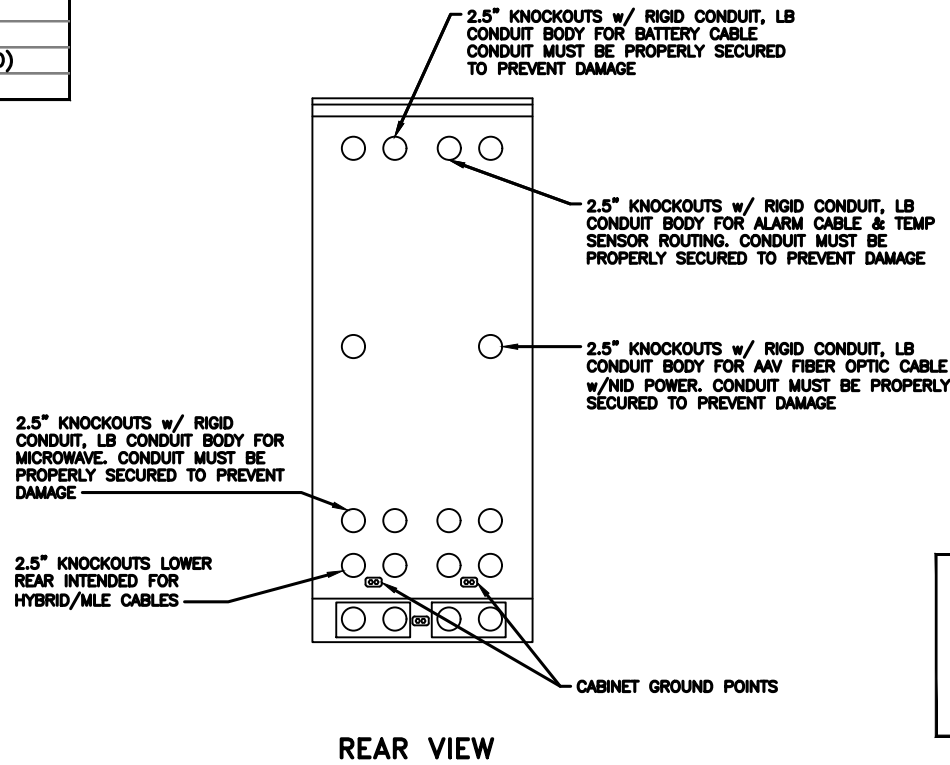
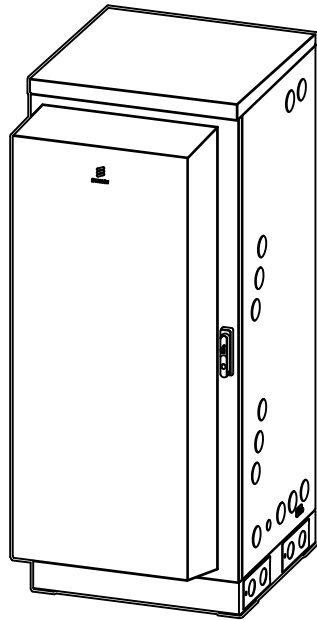
Health	Environmental	Physical
Acute Toxicity (Oral/Dermal/Inhalation) - Category 4 Skin Corrosion/Irritation - Category 1A Eye Damage - Category 1 Reproductive - Category 1A Carcinogenicity (lead) - Category 1B Carcinogenicity (arsenic) - Category 1A Carcinogenicity (acid mist) - Category 1A Specific Target Organ - Category 2 Toxicity (repeated exposure)	Aquatic Chronic - 1 Aquatic Acute - 1	Explosive Chemical, Division 1.3

GHS Label:

Health	Environmental	Physical

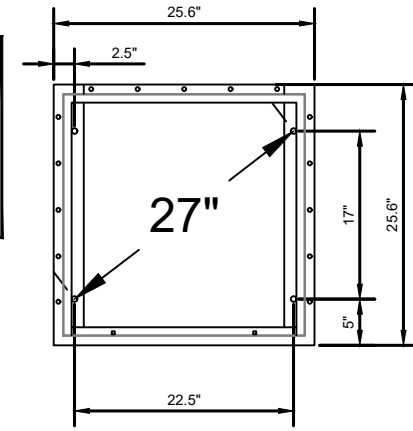
Hazard Statements DANGER! Causes severe skin burns and eye damage. Causes serious eye damage. May damage fertility or the unborn child if ingested or inhaled. May cause cancer if ingested or inhaled. Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure. May form explosive air/gas mixture during charging. Extremely flammable gas (hydrogen). Explosive, fire, blast or projection hazard.	Precautionary Statements Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing, eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Causes skin irritation, serious eye damage. Contact with internal components may cause irritation or severe burns. Avoid contact with internal acid. Irritating to eyes, respiratory system, and skin.
--	---

MANUFACTURER:	ERICSSON
MODEL:	6160 SITE SUPPORT CABINET
DIMENSIONS:	63" x 25.6" x 33.6" (H x W x D)
WEIGHT:	373 LBS



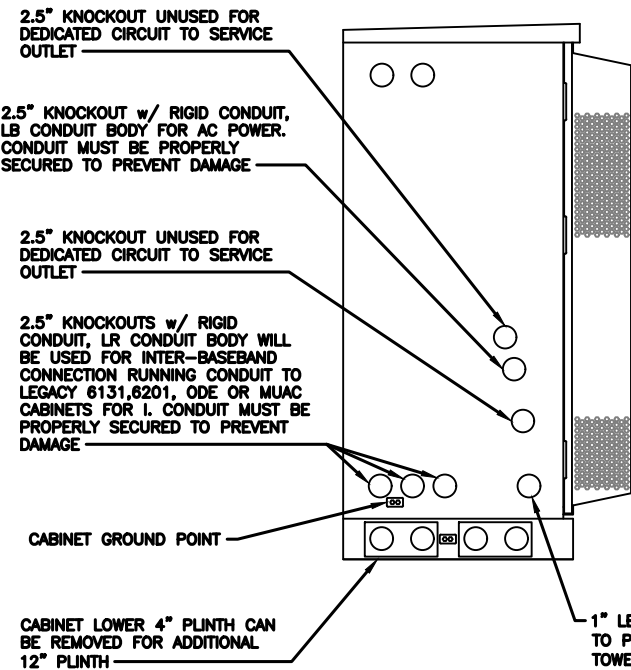
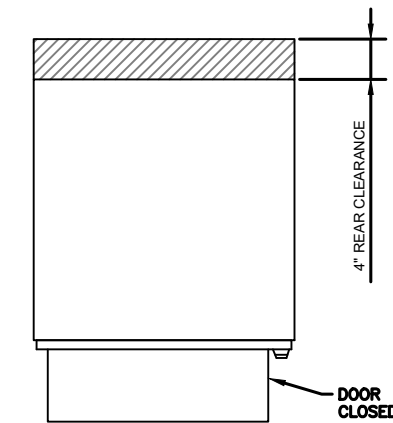
NOTE:

- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL THROUGH KNOCKOUTS
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING

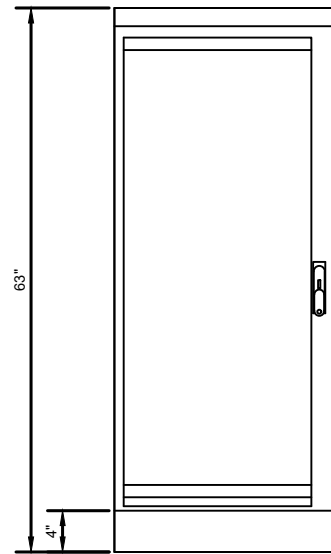


GROUNDING NOTE:

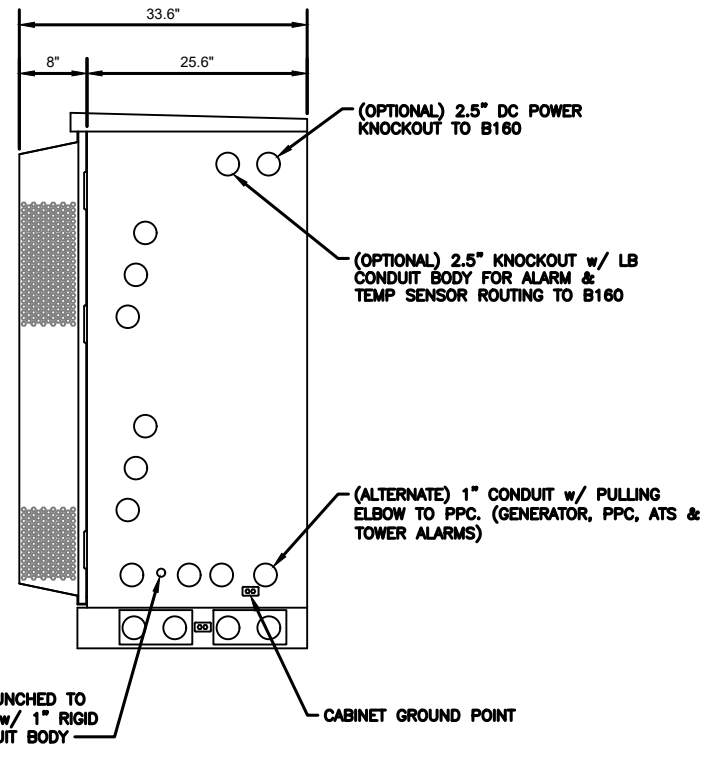
"CABINET GROUNDING TO USE A SINGLE, #2 BTCW CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED."



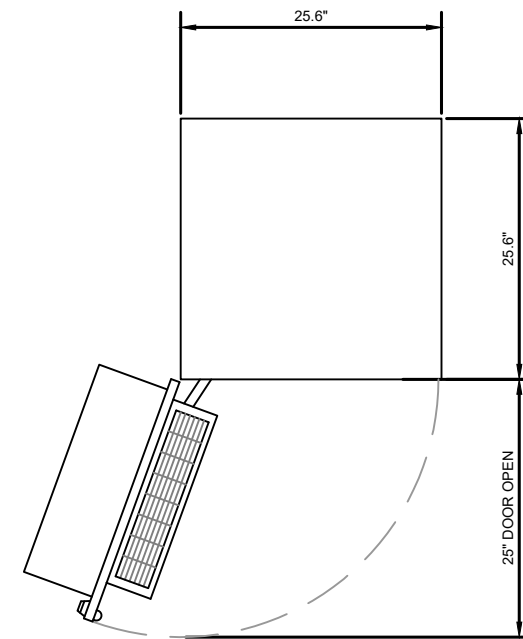
LEFT VIEW



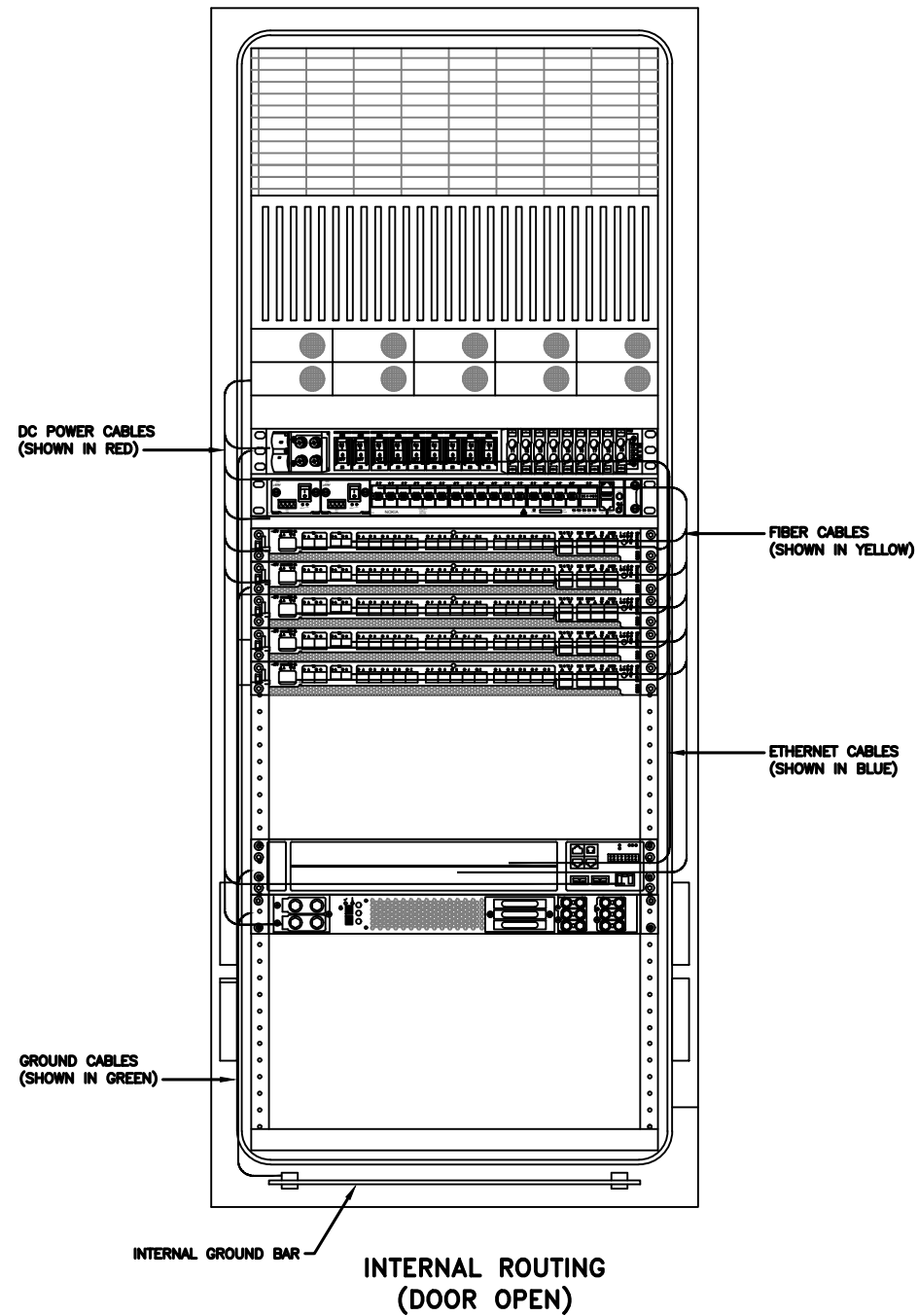
FRONT VIEW



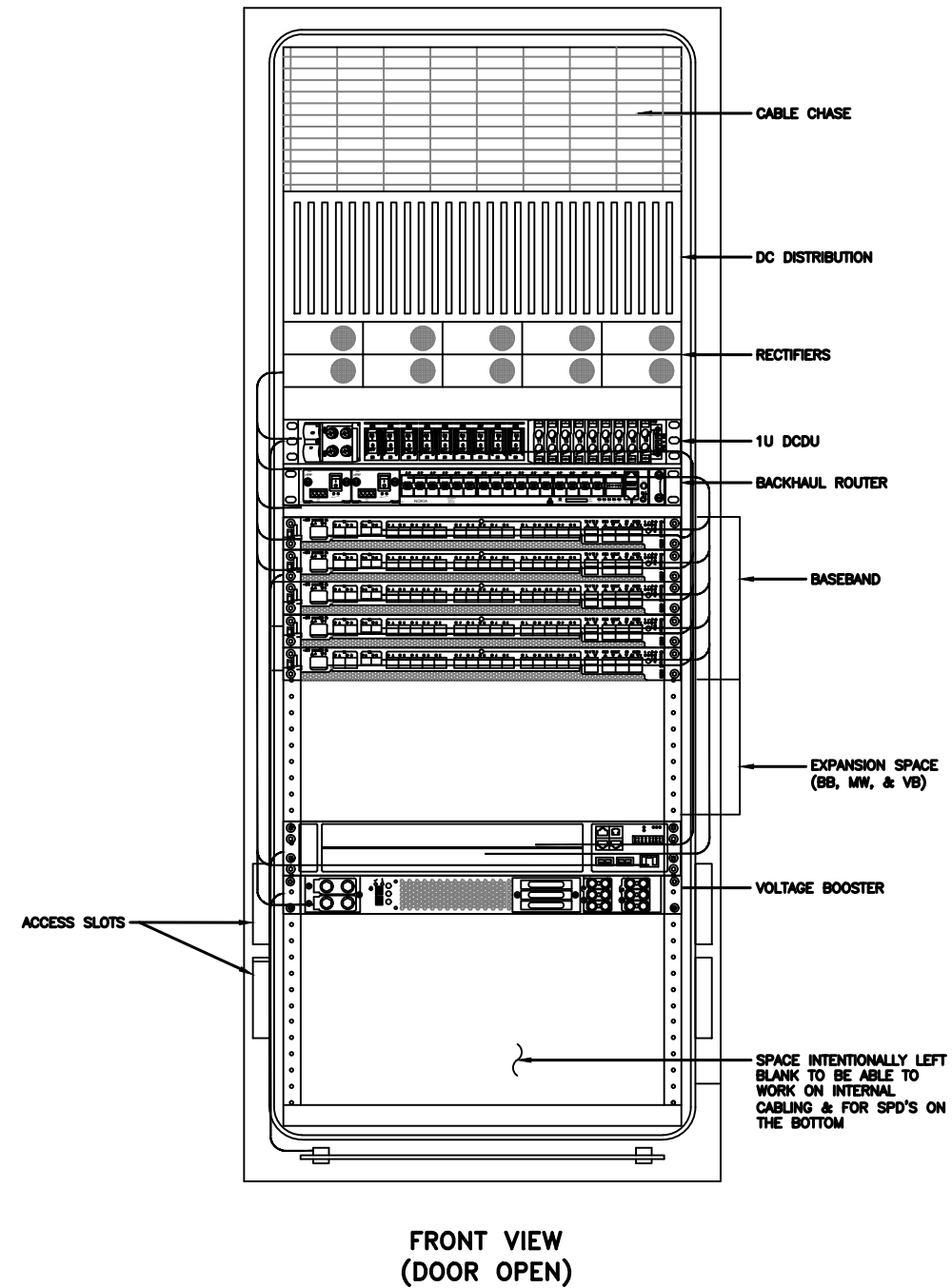
RIGHT VIEW



PLAN VIEW



RACK ASSIGNMENTS	
RU SLOTS	DESCRIPTION
1	DC DISTRIBUTION
2	
3	
4	
5	RECTIFIER SHELF
6	
7	FIBER BOX
8	DCDU
9	BACKHAUL ROUTER
10	
11	1ST BASEBAND
12	2ND BASEBAND
13	3RD BASEBAND
14	4TH BASEBAND
15	5TH BASEBAND
16	EXPANSION
17	
18	
19	EXPANSION / LEGACY BASEBAND / VOLTAGE BOOSTER
20	
21	VOLTAGE BOOSTER
22	
23	OPEN SPACE FOR SPD ACCESS
24	
25	

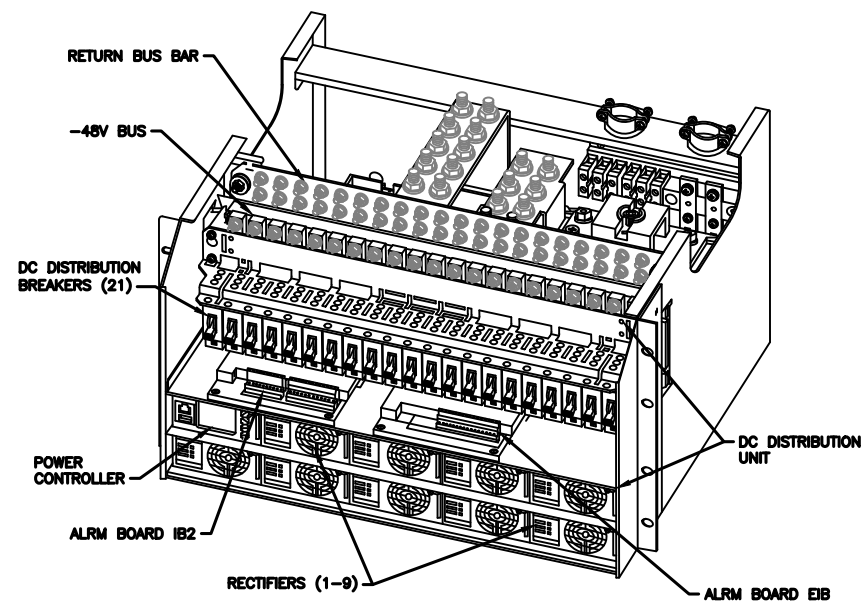


NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT.

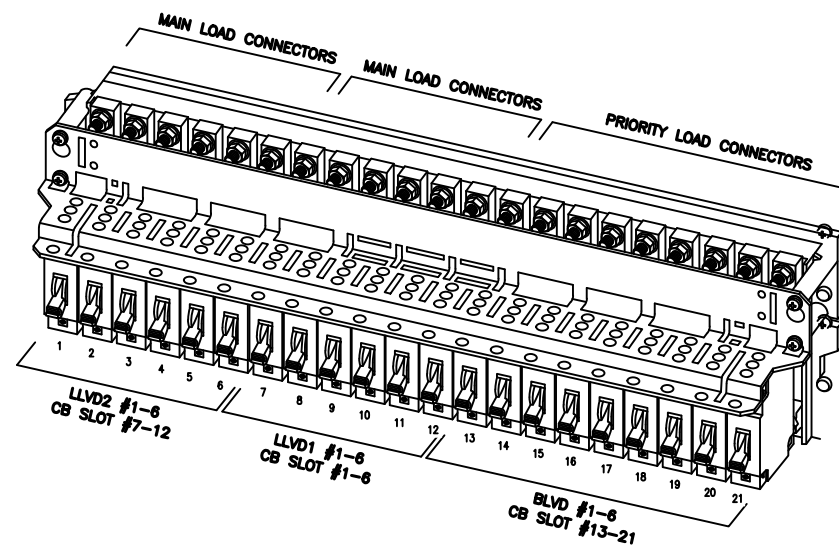
NOTE:
THIS IS FOR REFERENCE ONLY, CHECK
FOR SPECIFIC DETAIL IN T-MOBILE
CABINET SPECIFIC INSTALLATION GUIDES

Breaker Allocation for E6160				
CB SLOT	Ckt #	w/ DCDC Prior to availability of the 4460 and 4480	w/ DCDC Later Design Post-4460 and Post-4480	w/ DCDC 4 and 6 Sector designs
1	1	Router PS-2*/Future		Radio 4460 B25/66 ζ-1
2	2	Future		Radio 4460 B25/66 ζ-2
3	LVD1	PSU 4813 feeding B25/66 α, β and γ (AIR 1641s)	PSU 4813 feeding B41-δ & B71/12-δ (Air 6449s and Radio 4480s)	PSU 4813 feeding B41 α, β and γ (Air 6449s)
4	4			
5	5			
6	6			
7	LVD2	1	PSU 4813 feeding B71/12 α, β and γ (Radio 4449s)	PSU 4813 feeding B71/12 α, β and γ (Radio 4480s)
8		2		
9	45.1V	3	Future	Radio 4460 B25/66 δ-1
10		4	Future	Radio 4460 B25/66 δ-2
11		5	Future	Radio 4460 B25/66 ε-1
12		6	Future	Radio 4460 B25/66 ε-2
13	BLVD	1	Router PS-1	
14		2	Radio 4415 B25/66 α	Radio 4460 B25/66 α-1
15		3	Radio 4415 B25/66 β	Radio 4460 B25/66 α-2
16		4	Radio 4415 B25/66 γ	Radio 4460 B25/66 β-1
17		5	PSU 4813 feeding B2/25 α, β and γ (Radio 4424s)	Radio 4460 B25/66 β-2
18		6	Future	Radio 4460 B25/66 γ-1
19		7	Future	Radio 4460 B25/66 γ-2
20		8	DCDC	
21		9	AAV	

Sector Identification
α = Alpha, β = Beta, γ = Gamma, δ = Delta, ε = Epsilon, ζ = Zeta



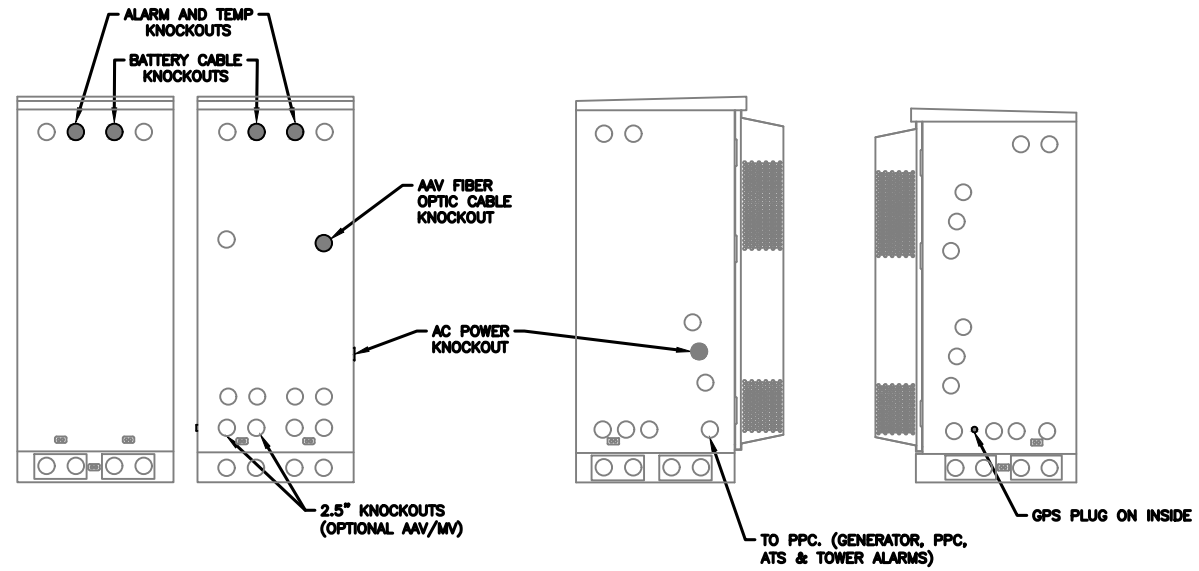
POWER SUBRACK



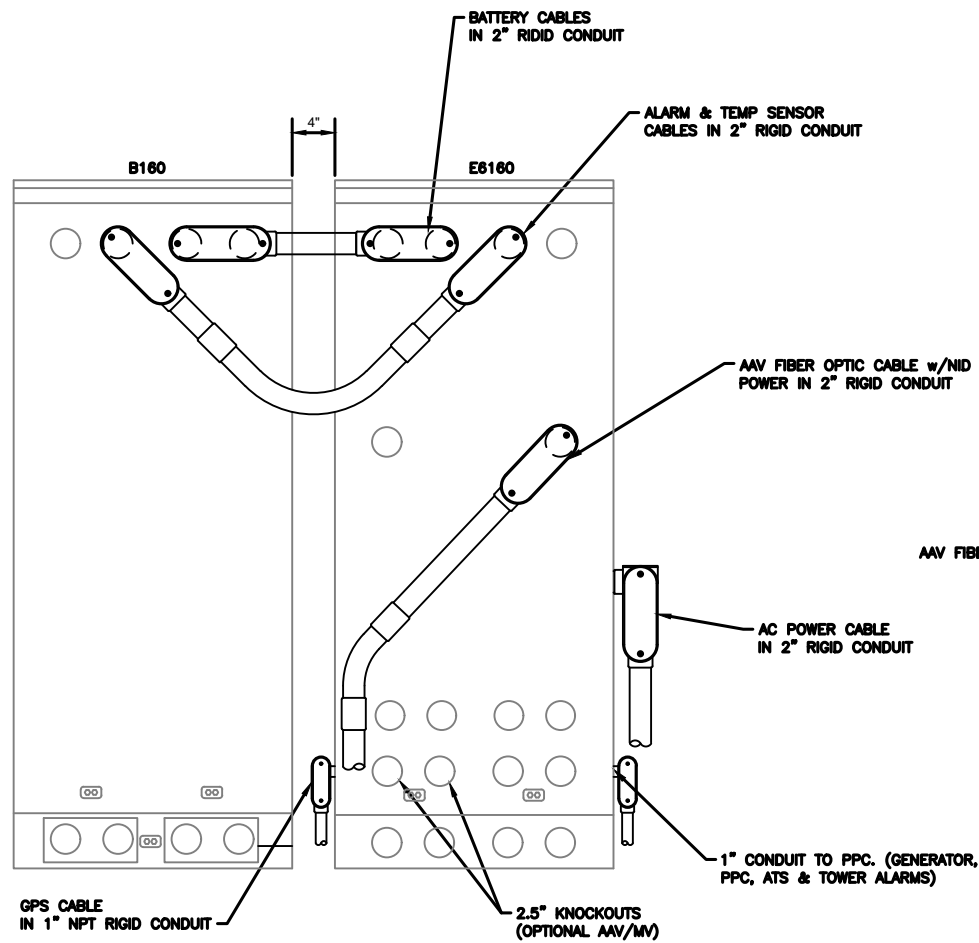
DC DISTRIBUTION

NOTE:

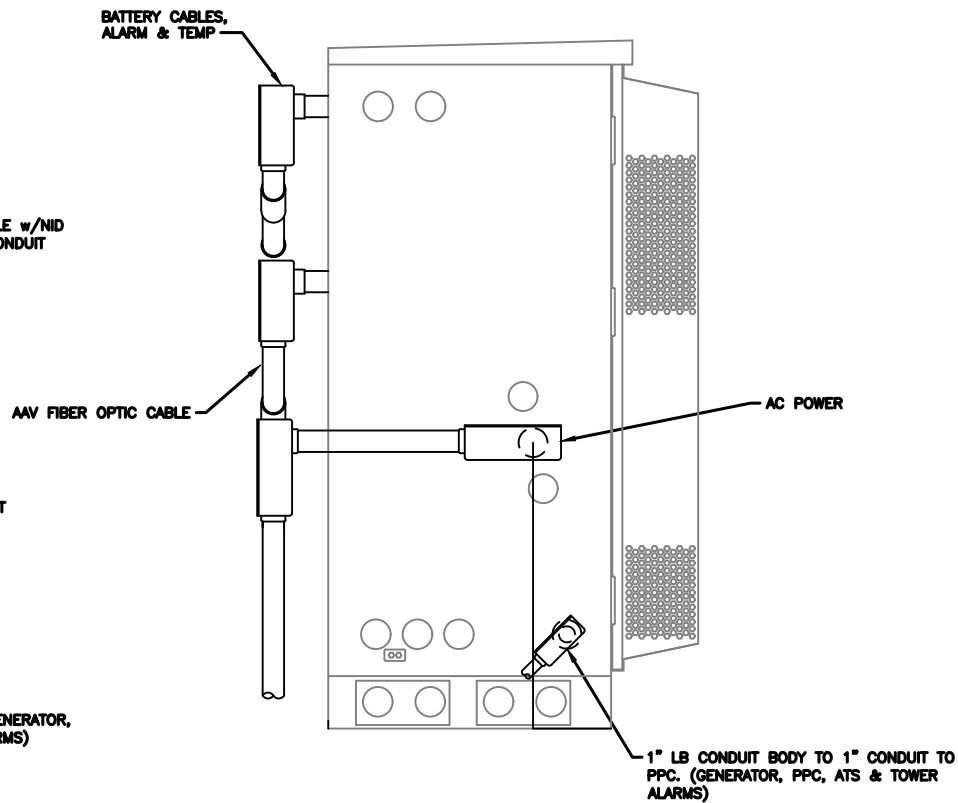
1. ALL CONDUIT AND FITTING ENTRANCES INTO CABINETS AND ENCLOSURES MUST UTILIZE MYERS OR EQUIVALENT HUBS OR SEALING WASHERS TO PREVENT WATER ENTRY/SEEPAGE INTO CABINETS AND ENCLOSURES.
2. (LIQUIDFLEX) FLEXIBLE METALLIC CONDUIT (LFMC) & ASSOCIATED FITTINGS CAN BE USED AS NEEDED BUT ONLY FOR TIGHT CONDUIT BENDS AND RUNS SUBJECT TO UL AND NEC LIMITATIONS. 6' MAX PER CONDUIT RUN.
3. POWER CONDUIT BODY ATTACHED WITH SHORT NIPPLE AND SEALING WASHER INSIDE & OUT. (FOR DOOR HOOD CLEARANCE)
4. PULLING ELBOWS MAY BE USED IN LIEU OF A CONDUIT BODIES WHEN CLEARANCE IS LIMITED.
5. ALL EXTERNAL ALARM CONDUITS ARE TO TERMINATE AT THE PPC WITH A SINGLE 1" ALARM CONDUIT TO THE 6160.
6. (DO NOT USE CHASE NIPPLES) CONDUIT SHOULD HAVE SEALING WASHERS INSIDE AND OUT w/ LOCK NUT AND CAP.



CONDUIT LOCATIONS

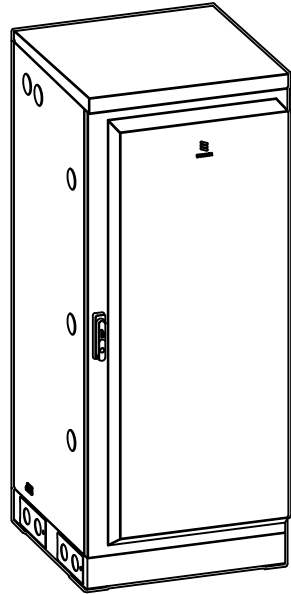


REAR VIEW

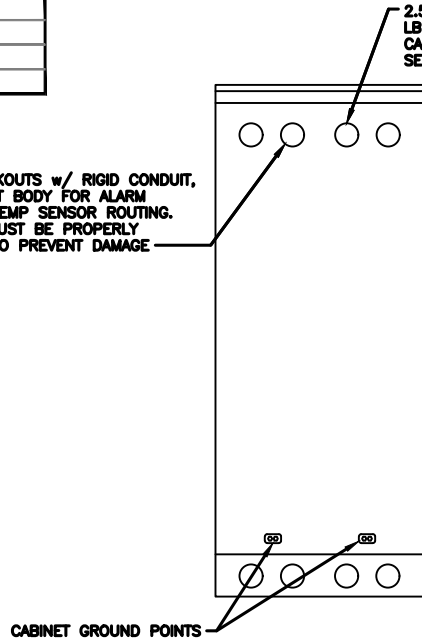


SIDE VIEW

MANUFACTURER:	ERICSSON
MODEL:	B160 BATTERY CABINET
DIMENSIONS:	63" x 25.6" x 29.5" (H x W x D)
WEIGHT:	295 LBS (WITHOUT BATTERIES)

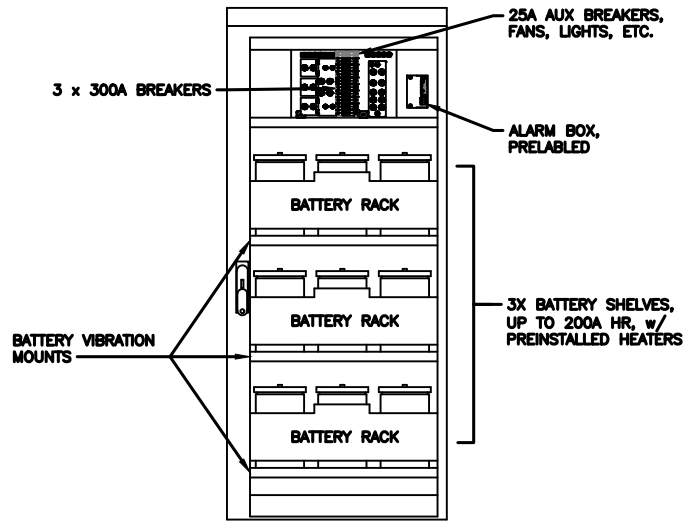


2.5" KNOCKOUTS w/ RIGID CONDUIT, LB CONDUIT BODY FOR ALARM CABLE & TEMP SENSOR ROUTING. CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE



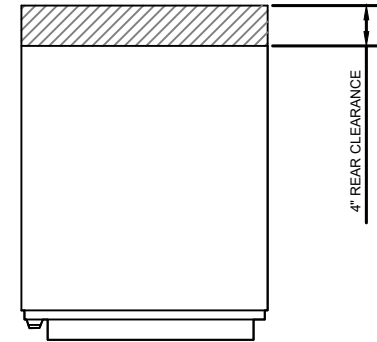
REAR VIEW

2.5" KNOCKOUTS w/ RIGID CONDUIT, LB CONDUIT BODY FOR BATTERY CABLE CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE



FRONT VIEW (DOOR OPEN)

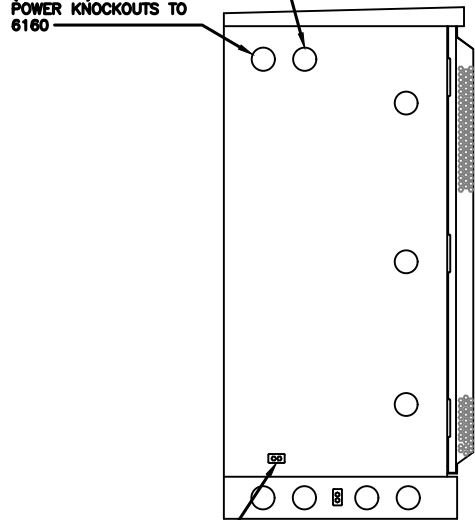
NOTE:
 • CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL THROUGH KNOCKOUTS
 • CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND OR CABLING



GROUNDING NOTE:
 "CABINET GROUNDING TO USE A SINGLE, #2 BTCW CONDUCTOR, W/ 2-HOLE, 1" C-C, LONG BARREL, WINDOW LUG, IN 3/4" LFNC TO GROUND RING. PLINTH GROUNDING IS NOT REQUIRED."

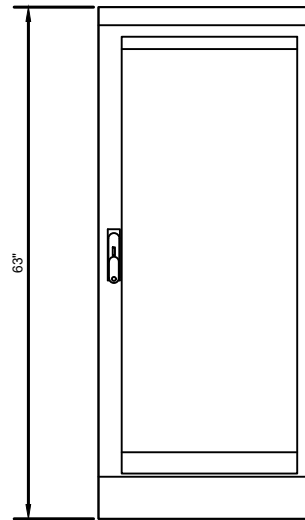
(OPTIONAL) 2.5" KNOCKOUTS FOR ALARM & TEMP SENSOR ROUTING TO 6160

(OPTIONAL) 2.5" DC POWER KNOCKOUTS TO 6160

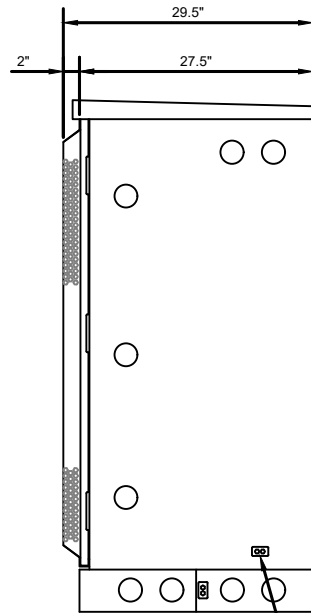


CABINET GROUND POINT

LEFT VIEW

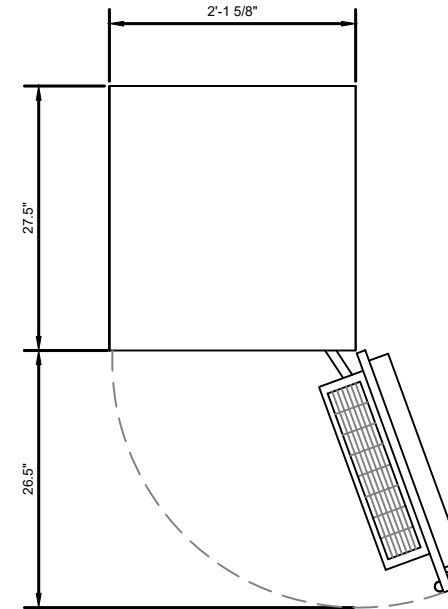


FRONT VIEW



RIGHT VIEW

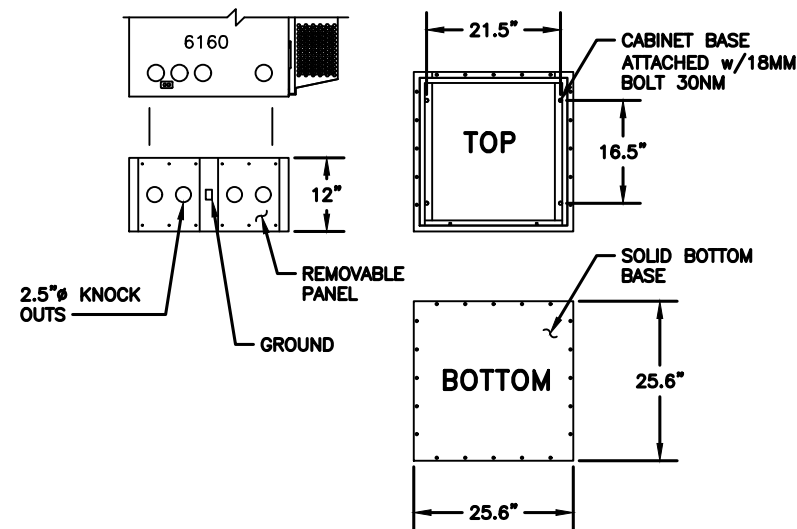
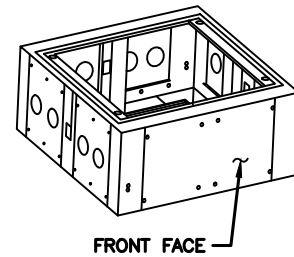
CABINET GROUND POINT



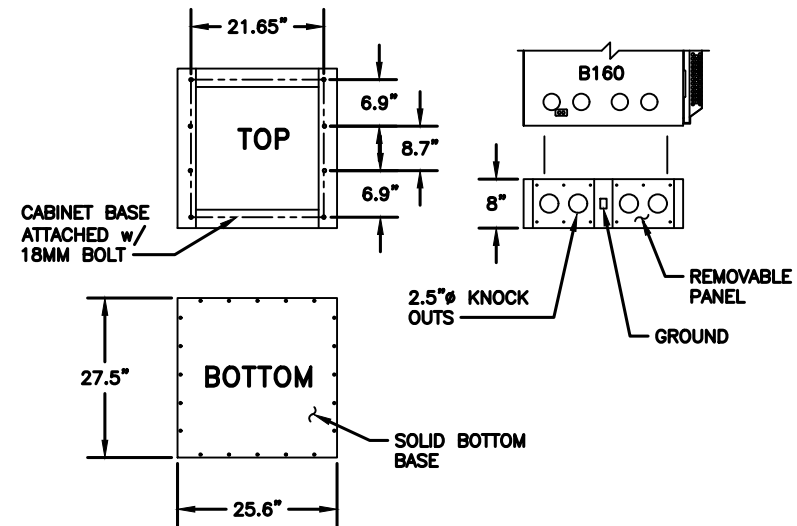
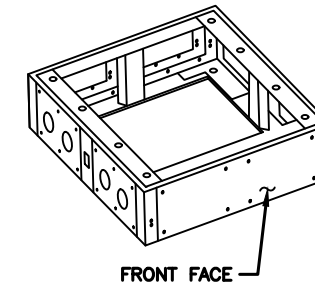
PLAN VIEW

B160 ERICSSON SITE SUPPORT BATTERY CABINET

MANUFACTURER:	ERICSSON
MODEL:	6160 12" BASE FRAME (SXX 125 5009/1)
DIMENSIONS:	12" x 25.6" x 25.6" (H x D x W)
WEIGHT:	73 LBS

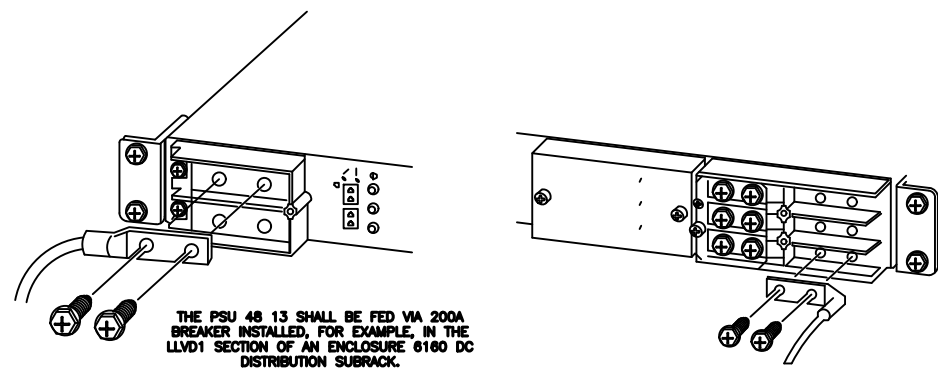
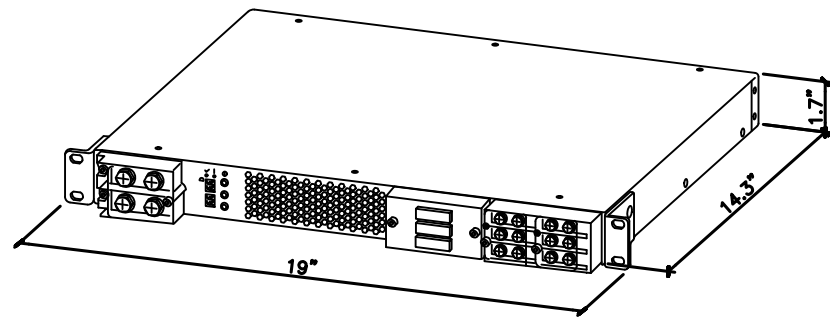


MANUFACTURER:	ERICSSON
MODEL:	B160 8" BASE FRAME (SXX 125 5010/1)
DIMENSIONS:	8" x 27.5" x 25.6" (H x W x D)
WEIGHT:	60 LBS



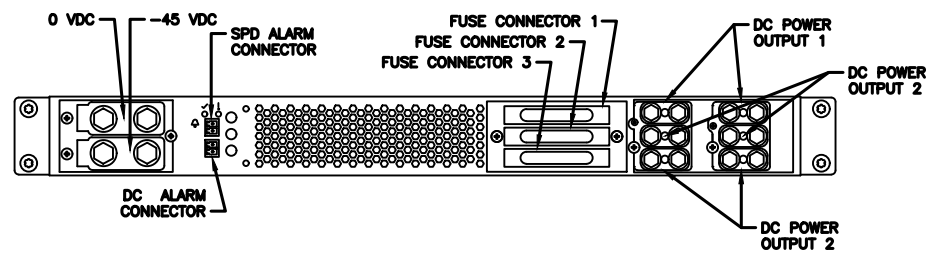
MANUFACTURER: ERICSSON
 MODEL: PSU 48 13
 WEIGHT: 17.1 LBS
 DIMENSIONS: 19"x 1.7"x 14.3"

NEEDED INSTALL KIT (PICK 1)
 34133 PSU4813 INSTALL KIT FOR RBS61XX
 34134 PSU4813 INSTALL KIT FOR PBC6200
 34135 PSU4813 INSTALL KIT FOR 6X60/RBS6230



THE PSU 48 13 SHALL BE FED VIA 200A BREAKER INSTALLED, FOR EXAMPLE, IN THE LLYD1 SECTION OF AN ENCLOSURE 6160 DC DISTRIBUTION SUBRACK.

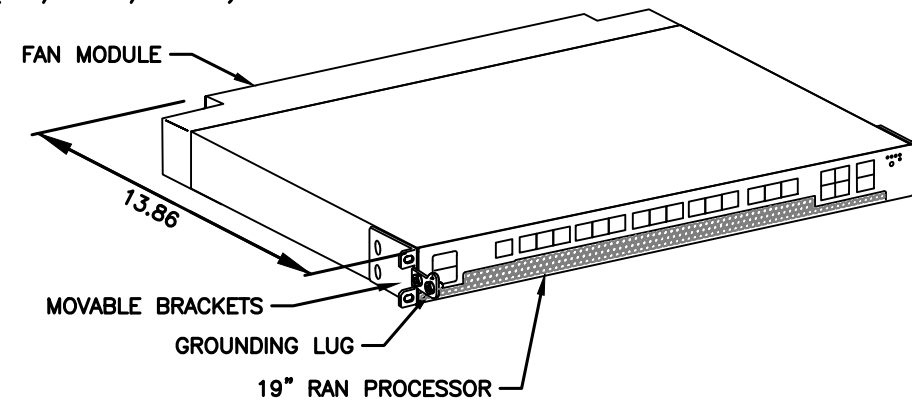
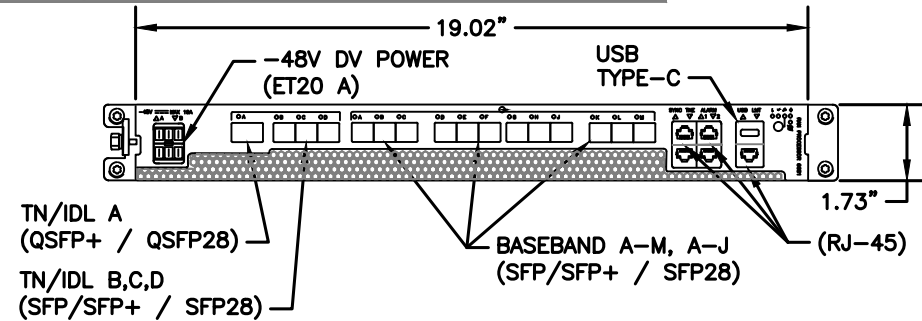
CONNECT -58 VDC DISTRIBUTION CABLE TO TERMINAL AT THE RIGHT, WHICH WILL BE FED TO RRU/AR AT THE OTHER END.



1 SKU# 34132 - PSU 48 13

SCALE: N.T.S.

MANUFACTURER: ERICSSON
 MODEL: 6651 RAN PROCESSOR (KDU1370093/11)
 DIMENSIONS: 1.73" X 19.02" X 13.86" (H" X W" X D")
 WEIGHT: 16.98 LBS



1 34553 - ERICSSON 6651 RAN PROCESSOR

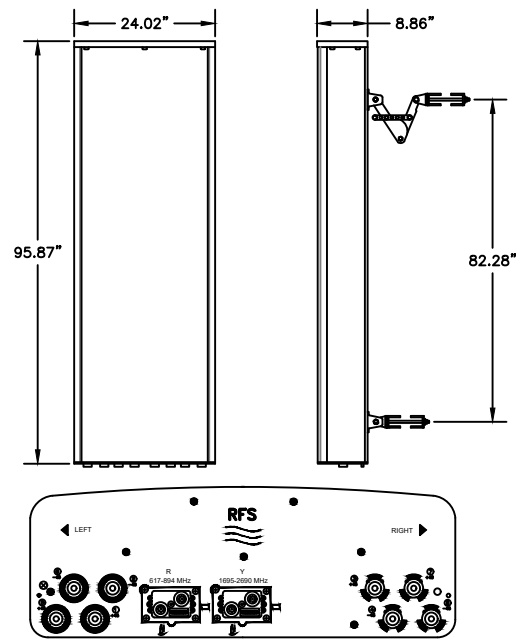
SCALE: N.T.S.

SUPPLEMENTAL

SHEET NUMBER:
R-610

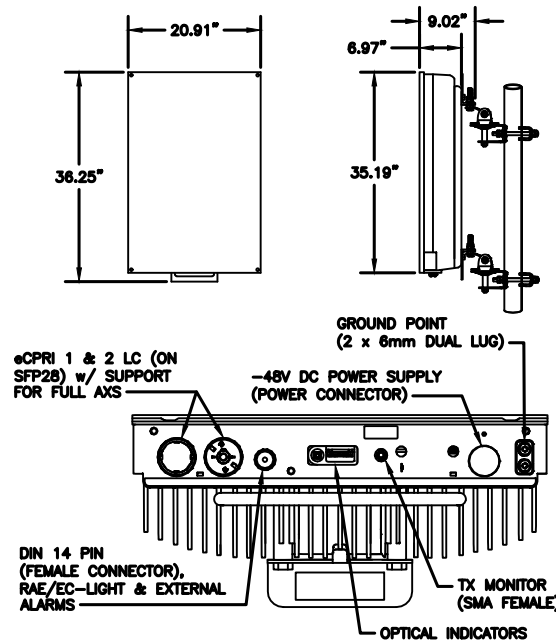
REVISION:
0

MANUFACTURER:	RFS
MODEL:	APXVAALL24_43-U-NA20
DIMENSIONS:	95.87" x 24.02" x 8.86"
WEIGHT:	119 LB
BAND:	QUAD BAND (8 PORT)
MOUNTING KIT & WEIGHT:	APM40-10E BEAM TILT KIT (INCLUDED) (16.53 LBS)

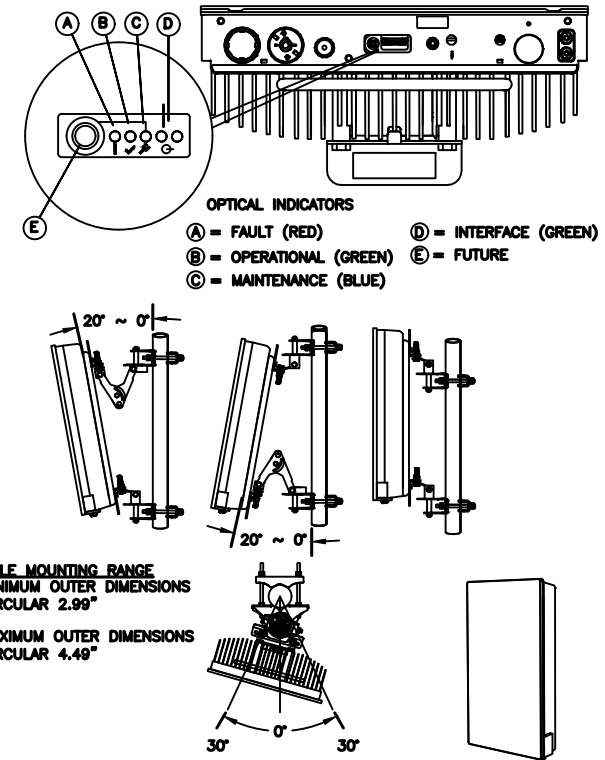


1 34087 - RFS APXVAALL24_43-U-NA20
SCALE: N.T.S.

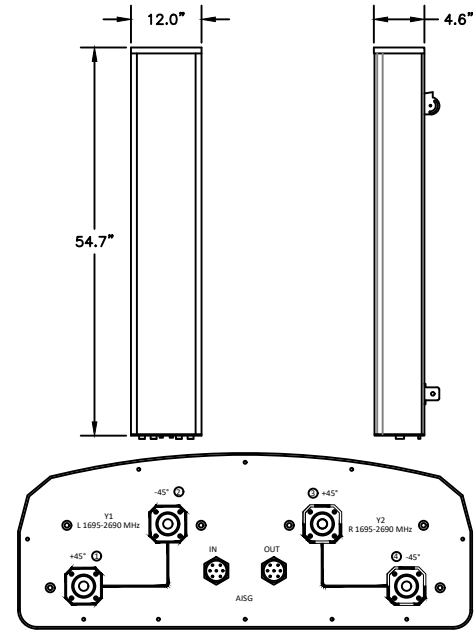
MANUFACTURER:	ERICSSON
MODEL:	AIR 6419 B41 (2.5GHz M-MIMO)
DIMENSIONS:	36.25" x 20.91" x 9.02" NOT TO EXCEED (H x W x D)
WEIGHT:	83 LBS (EXCLUDING MOUNTING KIT)
MOUNT WEIGHT:	13.5 LBS (SXX109 2016/1)



4 34552 - ERICSSON AIR 6419 BAND 41
SCALE: N.T.S.

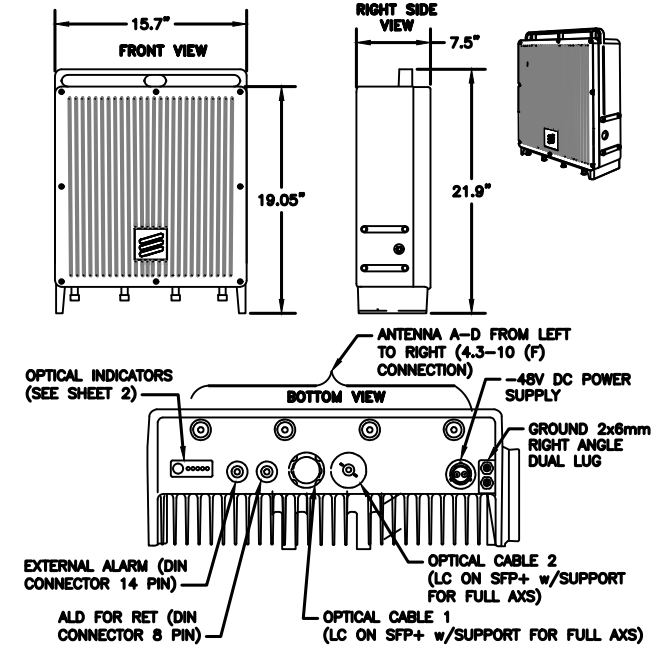


MANUFACTURER:	COMMSCOPE
MODEL:	VV-65A-R1
DIMENSIONS:	54.7" x 12.1" x 4.6" (H x W x D)
WEIGHT:	24.7 LB
INTERFACE:	4-PORT 4.3-10 FEMALE
MOUNTING KIT:	600898A-2 (INCLUDED) WEIGHT: 8.6 LB



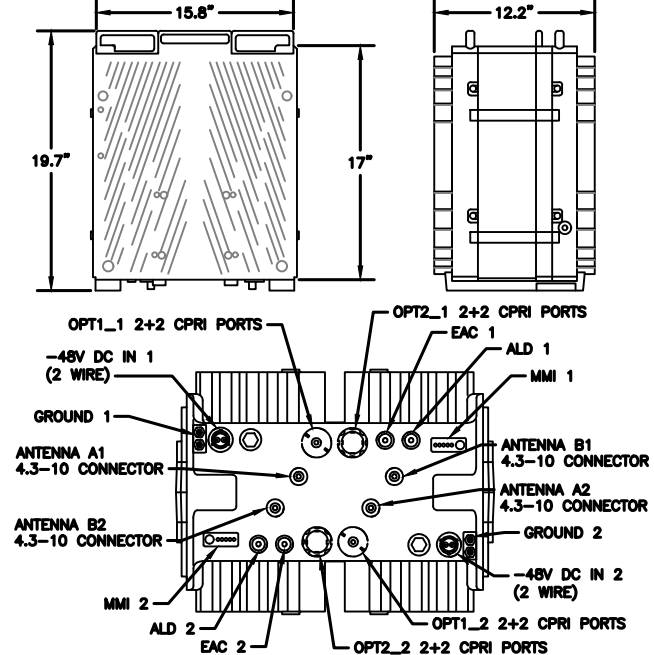
2 34401 - COMMSCOPE VV-65A-R1
SCALE: N.T.S.

MANUFACTURER:	ERICSSON
MODEL:	4480 RADIO (KRC 161 922/1)
DIMENSIONS:	21.9" x 15.7" x 7.5" (H x W x D)
MODEL BAND:	B71, B85 FOR NR AND LTE
WEIGHT:	81 LBS
BRACKET WEIGHT:	3.75 LBS (MULTI ERS #109 1973/2)



5 34372 - ERICSSON 4480 RADIO
SCALE: N.T.S.

MANUFACTURER:	ERICSSON
MODEL:	4460 RADIO B2/25 B66 (KRC 161 912/3)
DIMENSIONS:	19.7" x 15.8" x 12.2" (H" x W" x D")
WEIGHT:	109 LBS
BRACKET WEIGHT:	4.8 LBS (ERS HEAVY #SXX1255993/1)



3 34373 - ERICSSON 4460 RADIO B2/25 B66
SCALE: N.T.S.

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SUPPLEMENTAL

SHEET NUMBER:	REVISION:
R-611	0

SD050 | 3.4L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency



STANDBY POWER RATING
 60 kW, 68 kVA, 60 Hz

PRIME POWER RATING*
 45 kW, 58 kVA, 60 Hz

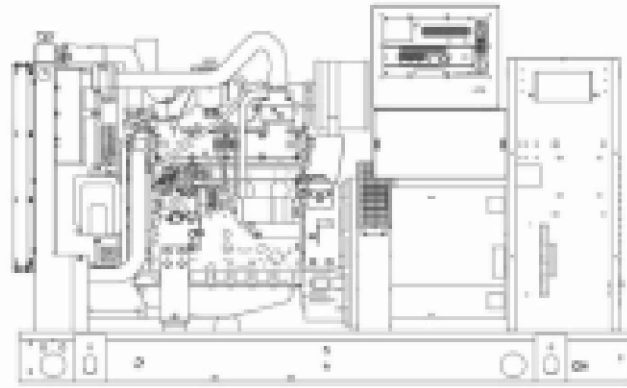


Image used for illustration purposes only



*Our latest, advanced generator technology

*EPA Certified Prime ratings are not available in the U.S. or its Territories.

**Certain options or customizations may not hold certification.

CODES AND STANDARDS

Generac products are designed to the following standards:

UL2200, UL508, UL142, UL498

NFPA70, 69, 110, 37

NEMA 700, 701, 702, 708

ISO9001, 8528, 3046, 7637, Phase #2b, 4

NEMA ICS10, MG1, 250, ICS6, AB1

ANSI C82.41

POWERING AHEAD

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the stand-by power needs of practically every application.

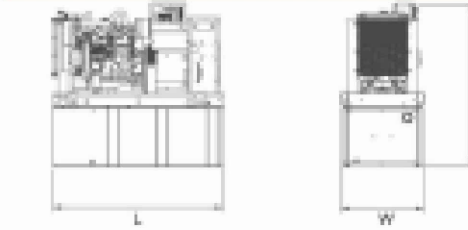
Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD050 | 3.4L | 50 kW
INDUSTRIAL DIESEL GENERATOR SET
 EPA Certified Stationary Emergency

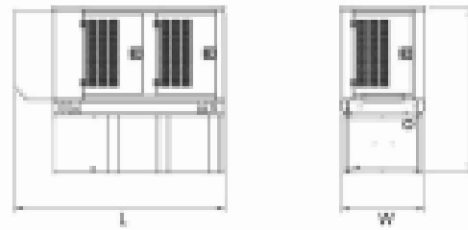


DIMENSIONS AND WEIGHTS*



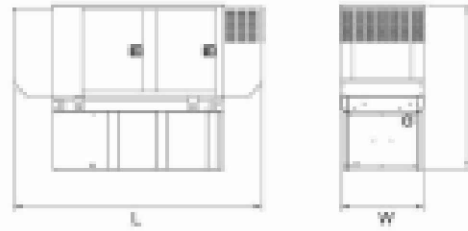
OPEN SET

RUN TIME HOURS	US GALE CAPACITY GAL. U.S.	L x W x H (in/mm)	WT lbs (kg) - Tank & Open Set
NO TANK	-	75 (1930.4) x 38 (964.4) x 45 (1143)	1758 (798)
15	54 (204.4)	78 (1980.4) x 38 (964.4) x 58 (1472.2)	2228 (1014)
30	102 (388.7)	75 (1930.4) x 38 (964.4) x 70 (1778)	2468 (1119)
45	211 (798.7)	78 (1980.4) x 38 (964.4) x 82 (2082.8)	2875 (1303)
75	388 (1458.8)	82 (2082.8) x 38 (964.4) x 95 (2414.4)	3758 (1704)



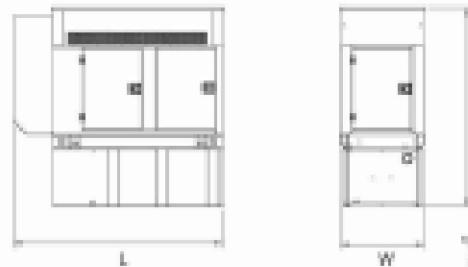
STANDARD ENCLOSURE

RUN TIME HOURS	US GALE CAPACITY GAL. U.S.	L x W x H (in/mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	85 (2152) x 38 (964.4) x 50 (1270)		
15	54 (204.4)	85 (2152) x 38 (964.4) x 62 (1574.2)		
30	102 (388.7)	85 (2152) x 38 (964.4) x 75 (1905)	304 (138)	178 (80)
45	211 (798.7)	85 (2152) x 38 (964.4) x 87 (2214.6)		
75	388 (1458.8)	85 (2152) x 38 (964.4) x 99 (2514.6)		



LEVEL 1 ACOUSTIC ENCLOSURE

RUN TIME HOURS	US GALE CAPACITY GAL. U.S.	L x W x H (in/mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	113 (2870.2) x 38 (964.4) x 58 (1472)		
15	54 (204.4)	113 (2870.2) x 38 (964.4) x 70 (1778)		
30	102 (388.7)	113 (2870.2) x 38 (964.4) x 82 (2082.8)	426 (193)	194 (88)
45	211 (798.7)	113 (2870.2) x 38 (964.4) x 94 (2391.8)		
75	388 (1458.8)	113 (2870.2) x 38 (964.4) x 106 (2691.8)		



LEVEL 2 ACOUSTIC ENCLOSURE

RUN TIME HOURS	US GALE CAPACITY GAL. U.S.	L x W x H (in/mm)	WT lbs (kg) - Enclosure Only	
			Steel	Aluminum
NO TANK	-	85 (2152) x 38 (964.4) x 62 (1574.2)		
15	54 (204.4)	85 (2152) x 38 (964.4) x 75 (1905)		
30	102 (388.7)	85 (2152) x 38 (964.4) x 87 (2214.6)	329 (149)	178 (80)
45	211 (798.7)	85 (2152) x 38 (964.4) x 99 (2514.6)		
75	388 (1458.8)	85 (2152) x 38 (964.4) x 111 (2814.6)		

*All measurements are approximate and for illustration purposes only. Sound (dB) can be found on the sound data sheet. Enclosure only weight is added to Tank & Open Set weight to determine total weight.



Specifications are subject to change without notice. Dimensions and weights are for primary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

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 F: (262) 544-4871 | © 2015 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.

Part No. 380380
 Rev. 0 08/04/15

SPEC SHEET

5 of 6

SUPPLEMENTAL

SHEET NUMBER: R-612	REVISION: 0
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This report was prepared for American Tower Corporation by



Antenna Mount Analysis Report

ATC Site Name : Good Hill CT
ATC Site Number : 411180
Engineering Number : 14099769_C8_01
ETS, PLLC Job Number : 22107100.STR.5860
Mount Elevation : 135 ft
Carrier : T-MOBILE
Carrier Site Name : Good Hill Woodbury ATC
Carrier Site Number : CTNH290A
Site Location : 481 Good Hill Road
 Woodbury, CT 06798
 41.557222°, -73.256778°
County : Litchfield
Date : May 16, 2022
Max Usage : 80%
Result : Pass

Prepared By:
 Kousthub Mahendra, EI
 Structural Engineer III

Reviewed By:
 Frederic Geoffrey Bost, PE
 CTO



Engineered Tower Solutions, PLLC - 3227 Wellington Ct, Raleigh, NC 27615 - 919.782.2710 Office - www.engineeredtowersolutions.com



Eng. Number 14099769_C8_01
 May 16, 2022
 Page 1

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 135 ft.

Supporting Documents

Spec Sheet	SitePro 1 Document# RMQP-4096-HK, dated May 23, 2021
RFDS	RFDS, dated April 22, 2022

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software.

Basic Wind Speed:	115 mph (3-Second Gust, V_{wk})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1.0" radial ice concurrent
Codes:	ANSI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	$S_s = 0.194$, $S_z = 0.054$
Site Class:	D - Default
Live Loads:	$L_m = 500$ lbs, $L_v = 250$ lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed. The mount can support the equipment as described in this report. Analysis is based on new SitePro 1 RMQP-4096-HK (M2050R(2500)-4(6)) mount.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Engineered Tower Solutions, PLLC - 3227 Wellington Ct, Raleigh, NC 27615 - 919.782.2710 Office - www.engineeredtowersolutions.com

Exhibit D



AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by



Antenna Mount Analysis Report

ATC Site Name : Good Hill CT
ATC Site Number : 411180
Engineering Number : 14099769_C8_01
ETS, PLLC Job Number : 22107100.STR.5860
Mount Elevation : 135 ft
Carrier : T-MOBILE
Carrier Site Name : Good Hill Woodbury ATC
Carrier Site Number : CTNH290A
Site Location : 478 Good Hill Road
Woodbury, CT 06798
41.557222°, -73.256778°
County : Litchfield
Date : May 16, 2022
Max Usage : 80%
Result : Pass

Prepared By:
Kousthub Mahendra, EI
Structural Engineer III

Reviewed By:
Frederic Geoffrey Bost, PE
CTO





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Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 135 ft.

Supporting Documents

Spec Sheet	SitePro 1 Document# RMQP-4096-HK, dated May 23, 2021
RFDS	RFDS, dated April 22, 2022

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software.

Basic Wind Speed:	115 mph (3-Second Gust, V_{ult})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1.0" radial ice concurrent
Codes:	ANSI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	$S_s = 0.194$, $S_1 = 0.054$
Site Class:	D - Default
Live Loads:	$L_m = 500$ lbs, $L_v = 250$ lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed. The mount can support the equipment as described in this report. Analysis is based on new SitePro 1 RMQP-4096-HK (M2050R(2500)-4[6]) mount.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

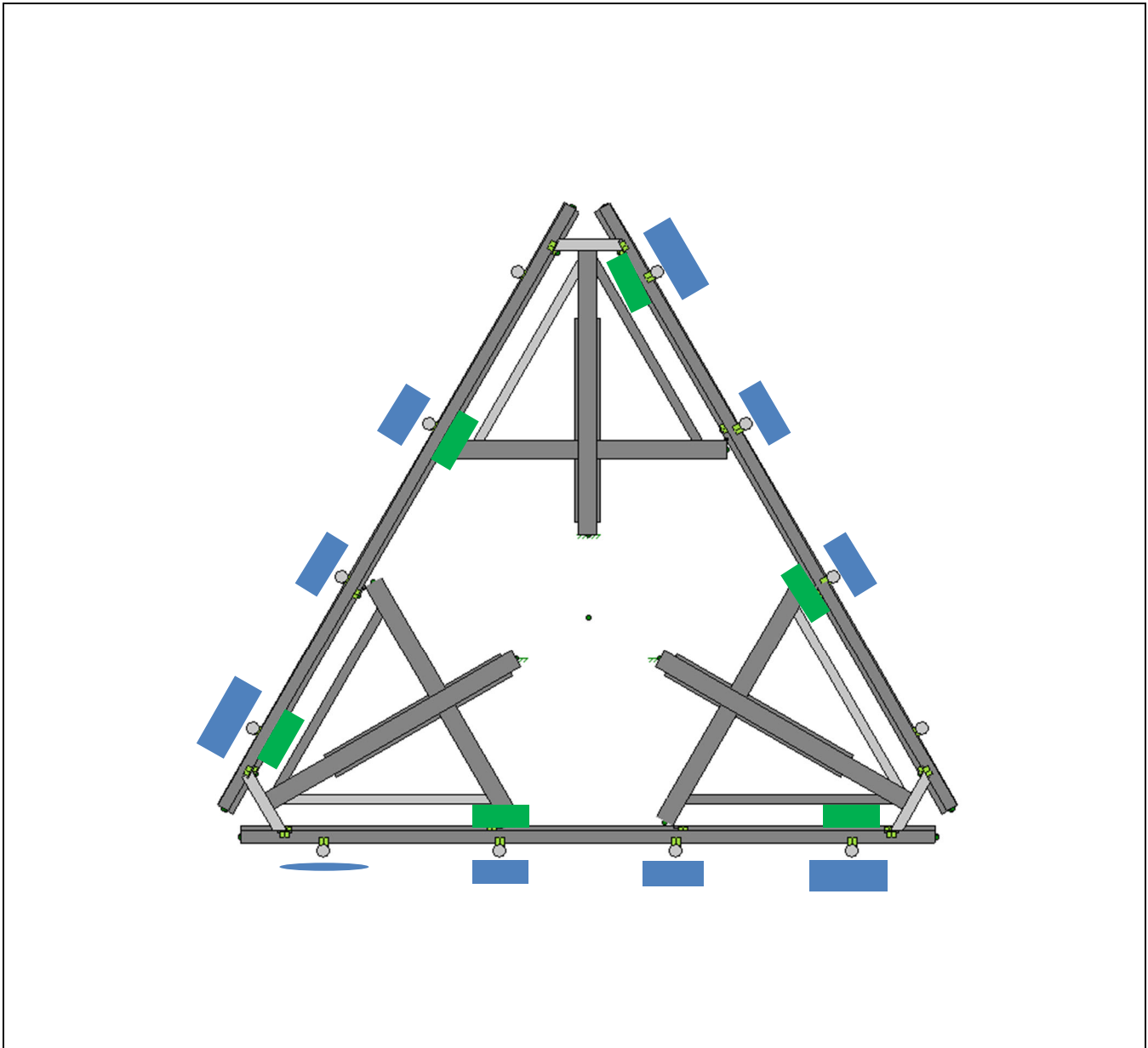
Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
135.0	135.0	3	Commscope VV-65A-R1B
		3	RFS APXVAALL24 43-U-NA20
		3	Ericsson AIR 6419 B41
		1	RFS SC2-W100BD
		3	Ericsson 4460 BAND 2/25
		3	Ericsson 4480 BAND 71

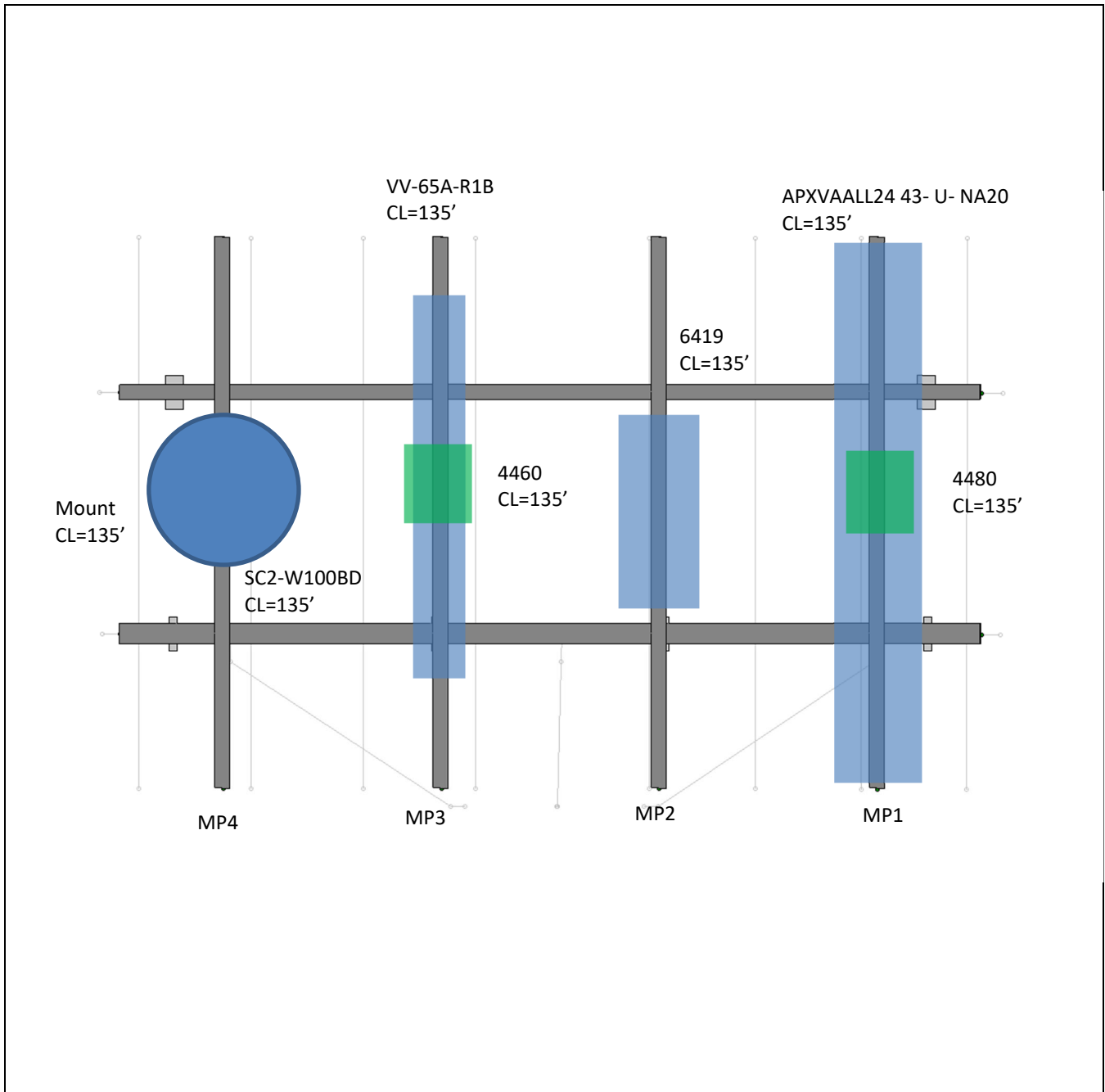
Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Horizontals	80%	Pass
Mount Pipes	20%	Pass
Support Rails	33%	Pass
Tower to Mount Connection	13%	Pass

Mount Layout



Equipment Layout



*Alpha Sector shown above (all sectors not typical)

Standard Conditions

All engineering services performed by Engineered Tower Solutions, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of ETS, PLLC

It is the responsibility of the client to ensure that the information provided to ETS, PLLC and used in the performance of our engineering services is correct and complete.

American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

All connections are to be verified for condition and tightness by the installation contractor preceding any changes to the appurtenance mounting system and/or equipment attached to it.

Steel grades have been assumed as follows, unless noted otherwise:

Channel, Solid Round, Angle, Plate, Threaded Rod	ASTM A36 (Gr. 36)
HSS (Rectangular)	ASTM A500 (Gr. B-46)
HSS (Round)	ASTM A500 (Gr. B-42)
Pipe	ASTM A53 (Gr. 35)
Connection Bolts	ASTM A325
U-Bolt	SAE J429 (Gr. 2)

Unless explicitly agreed by both the client and ETS, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

Installation of all equipment and steel should be confirmed not to cause tower conflicts nor impede the tower climbing pegs.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ETS, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

Site Inputs	
Mount Support (Tower, or Building Support)?	Tower
Risk Category (TIA Table 2-1)	II
Exposure Category	B
Basic Wind Speed without Ice, V	115 mph
Basic Wind Speed with Ice, V _i	50 mph
Design of Ice, δ _{ice}	56 pcf
Design Ice Thickness, t _i	1.00 in
Basic Wind Speed (Maintenance)	30 mph
Maintenance Load, L _m	500 lb
Maintenance Load, L _v	250 lb
Height of Structure, h	147.0 ft
Mount Centerline, h _m	135.0 ft
Topographic Factor, K _{zt}	1.00
Rooftop Wind Speed-Up Factor, K _r	1.00
Mean Elevation of base of structure above sea level, z _s	887 ft
Ground Elevation Factor, K _g	0.97
Wind Direction Probability Factor, K _d	0.95
Gust Response Factor, G _s	1.00
Shielding Factor for Appurtenances, K _s	0.90

TIA-222-H Mount Load Generator

Seismic Design Input/Output	
0.194	Spectral response acceleration at short periods, S _s
0.054	Spectral response acceleration at a period of 1 second, S ₁
D	Soil Site Class
1.600	Short-period site coefficient, F _s
2.400	Long-period site coefficient, F _l
0.207	Design spectral response acceleration at short periods, S _{DS}
0.086	Design spectral response acceleration at a period of 1 second, S _{1S}
2.00	Response modification coefficient, R
1.00	Earthquake amplification factor, A _s
1.00	Importance Factor
0.1035	Seismic Response Coefficient, C _s
Eh = 0.103 W	Total Seismic Shear Force, E _s = ρ Q _s (Q _s = ρ C _s W A _s & ρ = 1.0)
Ev = 0.041 D	Vertical Seismic Load Effect, E _v = 0.2 S _{1S} D A _s



Output File Name: 411180_14099769_T-Mobile

Mount Pipe Information							Mount Pipe Forces					
Mount Pipe	Mount Location	Vertical Offset	Length	Diameter	Weight	Shape	Front Design Wind Force, F _A	Side Design Wind Force, F _A	Design Ice Thickness, t _{ice}	Ice Weight	Front Design Wind Force on Ice, F _A	Side Design Wind Force on Ice, F _A
P 2.5 SCH 40 x 96	MP1	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	0.07 lb	77.13 lb	1.151 in	45.31 lb	0.55 lb	23.89 lb
P 2.5 SCH 40 x 96	MP2	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	39.97 lb	77.13 lb	1.151 in	45.31 lb	14.13 lb	23.89 lb
P 2.5 SCH 40 x 96	MP3	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	27.65 lb	77.13 lb	1.151 in	45.31 lb	9.94 lb	23.89 lb
P 2.5 SCH 40 x 96	MP4	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	64.28 lb	77.13 lb	1.151 in	45.31 lb	22.41 lb	23.89 lb
P 2.5 SCH 40 x 96	MP5	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	0.07 lb	77.13 lb	1.151 in	45.31 lb	0.55 lb	23.89 lb
P 2.5 SCH 40 x 96	MP6	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	39.97 lb	77.13 lb	1.151 in	45.31 lb	14.13 lb	23.89 lb
P 2.5 SCH 40 x 96	MP7	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	27.65 lb	77.13 lb	1.151 in	45.31 lb	9.94 lb	23.89 lb
P 2.5 SCH 40 x 96	MP8	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	77.13 lb	77.13 lb	1.151 in	45.31 lb	23.89 lb	23.89 lb
P 2.5 SCH 40 x 96	MP9	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	0.07 lb	77.13 lb	1.151 in	45.31 lb	0.55 lb	23.89 lb
P 2.5 SCH 40 x 96	MP10	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	39.97 lb	77.13 lb	1.151 in	45.31 lb	14.13 lb	23.89 lb
P 2.5 SCH 40 x 96	MP11	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	27.65 lb	77.13 lb	1.151 in	45.31 lb	9.94 lb	23.89 lb
P 2.5 SCH 40 x 96	MP12	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	77.13 lb	77.13 lb	1.151 in	45.31 lb	23.89 lb	23.89 lb

Appurtenance Information - MP1							Appurtenance Forces - MP1					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	122.80 lb	678.86 lb	292.88 lb	1.151 in	299.14 lb	134.39 lb	61.90 lb
ERICSSON / 4480 BAND 71	1	0.00 ft	22.00 in	15.70 in	7.50 in	81.00 lb	96.53 lb	46.85 lb	1.151 in	47.84 lb	19.97 lb	10.97 lb

Appurtenance Information - MP2							Appurtenance Forces - MP2					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6419 B41	1	0.00 ft	36.30 in	20.90 in	9.00 in	83.30 lb	212.03 lb	96.49 lb	1.151 in	101.72 lb	42.82 lb	21.32 lb

Appurtenance Information - MP3							Appurtenance Forces - MP3					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
COMMSCOPE / VV-65A-R1B	1	0.00 ft	54.70 in	12.00 in	4.60 in	24.70 lb	197.43 lb	91.59 lb	1.151 in	89.78 lb	40.82 lb	21.14 lb
ERICSSON / 4460 BAND 2/25	1	0.00 ft	19.60 in	15.70 in	12.10 in	109.00 lb	86.00 lb	66.28 lb	1.151 in	48.18 lb	17.91 lb	14.94 lb

Appurtenance Information - MP4							Appurtenance Forces - MP4					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS / SC2-W100BD	1	0.00 ft	26.40 in	26.40 in	11.64 in	20.00 lb	0.00 lb	0.00 lb	1.151 in	53.11 lb	0.00 lb	0.00 lb

Appurtenance Information - MP5							Appurtenance Forces - MP5					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	122.80 lb	678.86 lb	292.88 lb	1.151 in	299.14 lb	134.39 lb	61.90 lb
ERICSSON / 4480 BAND 71	1	0.00 ft	22.00 in	15.70 in	7.50 in	81.00 lb	96.53 lb	46.85 lb	1.151 in	47.84 lb	19.97 lb	10.97 lb

Appurtenance Information - MP6							Appurtenance Forces - MP6					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6419 B41	1	0.00 ft	36.30 in	20.90 in	9.00 in	83.30 lb	212.03 lb	96.49 lb	1.151 in	101.72 lb	42.82 lb	21.32 lb

Appurtenance Information - MP7							Appurtenance Forces - MP7					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
COMMSCOPE / VV-65A-R1B	1	0.00 ft	54.70 in	12.00 in	4.60 in	24.70 lb	197.43 lb	91.59 lb	1.151 in	89.78 lb	40.82 lb	21.14 lb
ERICSSON / 4460 BAND 2/25	1	0.00 ft	19.60 in	15.70 in	12.10 in	109.00 lb	86.00 lb	66.28 lb	1.151 in	48.18 lb	17.91 lb	14.94 lb

Appurtenance Information - MP9							Appurtenance Forces - MP9					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	122.80 lb	678.86 lb	292.88 lb	1.151 in	299.14 lb	134.39 lb	61.90 lb
ERICSSON / 4480 BAND 71	1	0.00 ft	22.00 in	15.70 in	7.50 in	81.00 lb	96.53 lb	46.85 lb	1.151 in	47.84 lb	19.97 lb	10.97 lb

Appurtenance Information - MP10							Appurtenance Forces - MP10					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6419 B41	1	0.00 ft	36.30 in	20.90 in	9.00 in	83.30 lb	212.03 lb	96.49 lb	1.151 in	101.72 lb	42.82 lb	21.32 lb

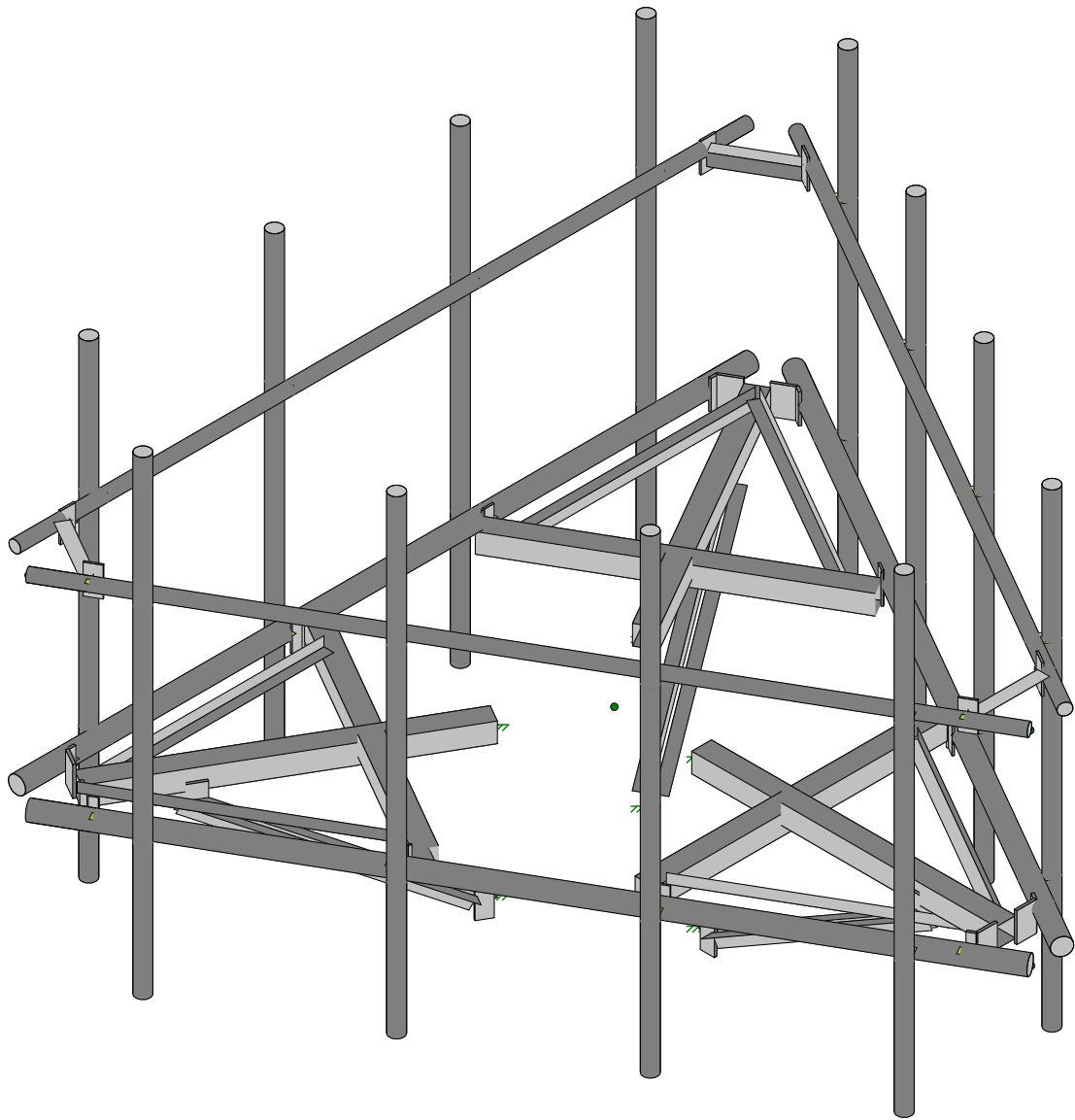
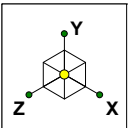
Appurtenance Information - MP11							Appurtenance Forces - MP11					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
COMMSCOPE / VV-65A-R1B	1	0.00 ft	54.70 in	12.00 in	4.60 in	24.70 lb	197.43 lb	91.59 lb	1.151 in	89.78 lb	40.82 lb	21.14 lb
ERICSSON / 4460 BAND 2/25	1	0.00 ft	19.60 in	15.70 in	12.10 in	109.00 lb	86.00 lb	66.28 lb	1.151 in	48.18 lb	17.91 lb	14.94 lb

Member Distributed Loads	Member Information			Member Forces		
	Mount Members	Width/Diameter (in)	Depth/Diameter (in)	Length (in)	Ka * Force / Length, No Ice	Ice Weight (plf)
PIPE 3.0	3.500 in	3.500 in	150.0 in	10.6 lb/ft	6.5 lb/ft	3.3 lb/ft
PIPE 2.0	2.380 in	2.380 in	150.0 in	7.2 lb/ft	5.0 lb/ft	2.7 lb/ft
HSS 4x4SA	4.000 in	4.000 in	62.3 in	10.7 lb/ft	9.6 lb/ft	3.0 lb/ft
HSS 4x4 BRACE	4.000 in	4.000 in	59.8 in	10.6 lb/ft	9.6 lb/ft	3.0 lb/ft
LL2.5x2.5	5.500 in	2.500 in	52.5 in	20.5 lb/ft	9.4 lb/ft	4.8 lb/ft
L2x2	2.000 in	2.000 in	50.7 in	10.1 lb/ft	5.6 lb/ft	2.9 lb/ft
L2.5x2.5	2.500 in	2.500 in	13.0 in	8.3 lb/ft	6.6 lb/ft	2.4 lb/ft
PL 6x1/2	6.000 in	0.500 in	12.0 in	18.1 lb/ft	10.1 lb/ft	4.2 lb/ft
PL 6x3/8	6.000 in	0.375 in	6.0 in	18.1 lb/ft	10.1 lb/ft	4.2 lb/ft
PL 8x1/2	8.000 in	0.500 in	4.0 in	24.1 lb/ft	12.9 lb/ft	5.3 lb/ft

Member Lookup	Member Label	Position	Maintenance Load
HSS 4x4 BRACE	BRACE-1	210°	
HSS 4x4 BRACE	BRACE-2	330°	
HSS 4x4 BRACE	BRACE-3	90°	
PL 6x3/8	CONN-PL-60-1	60°	
PL 6x3/8	CONN-PL-60-2	60°	
PL 6x3/8	CONN-PL-90-1	90°	
PL 6x3/8	CONN-PL-90-2	90°	
PL 6x3/8	CONN-PL-180-1	0°	
PL 6x3/8	CONN-PL-180-2	0°	
PL 6x3/8	CONN-PL-210-1	210°	
PL 6x3/8	CONN-PL-210-2	210°	
PL 6x3/8	CONN-PL-300-1	300°	
PL 6x3/8	CONN-PL-300-2	300°	
PL 6x3/8	CONN-PL-330-1	330°	
PL 6x3/8	CONN-PL-330-2	330°	
L2.5x2.5	COR-1	210°	

Member Lookup	Member Label	Position	Maintenance Load
L2.5x2.5	COR-2	330°	
L2.5x2.5	COR-3	90°	
PL 6x1/2	COR-PL-90-1	90°	
PL 6x1/2	COR-PL-90-2	90°	
PL 6x1/2	COR-PL-90-3	90°	
PL 6x1/2	COR-PL-90-4	90°	
PL 6x1/2	COR-PL-210-1	210°	
PL 6x1/2	COR-PL-210-2	210°	
PL 6x1/2	COR-PL-210-3	210°	
PL 6x1/2	COR-PL-210-4	210°	
PL 6x1/2	COR-PL-330-1	330°	
PL 6x1/2	COR-PL-330-2	330°	
PL 6x1/2	COR-PL-330-3	330°	
PL 6x1/2	COR-PL-330-4	330°	
PIPE 3.0	FM-0	90°	Start/Mid/End
PIPE 3.0	FM-120	210°	Start/Mid/End
PIPE 3.0	FM-240	330°	Start/Mid/End
L2x2	GRATE-H-90-1	90°	Mid
L2x2	GRATE-H-90-2	90°	Mid
L2x2	GRATE-H-210-1	210°	Mid
L2x2	GRATE-H-210-2	210°	Mid
L2x2	GRATE-H-330-1	330°	Mid
L2x2	GRATE-H-330-2	330°	Mid
PIPE 2.0	HR-0	90°	Start/Mid/End
PIPE 2.0	HR-120	210°	Start/Mid/End
PIPE 2.0	HR-240	330°	Start/Mid/End
LL2.5x2.5	KICK-1	V	
LL2.5x2.5	KICK-2	V	
LL2.5x2.5	KICK-3	V	
PL 8x1/2	KICK-PL-1	300°	
PL 8x1/2	KICK-PL-2	V	
PL 8x1/2	KICK-PL-3	60°	
PL 8x1/2	KICK-PL-4	V	
PL 8x1/2	KICK-PL-5	180°	
PL 8x1/2	KICK-PL-6	V	
HSS 4x4SA	SA-1	300°	
HSS 4x4SA	SA-2	60°	
HSS 4x4SA	SA-3	180°	
PL 6x3/8	PL-90-1	90°	
PL 6x3/8	PL-90-2	90°	
PL 6x3/8	PL-330-1	330°	
PL 6x3/8	PL-330-2	330°	

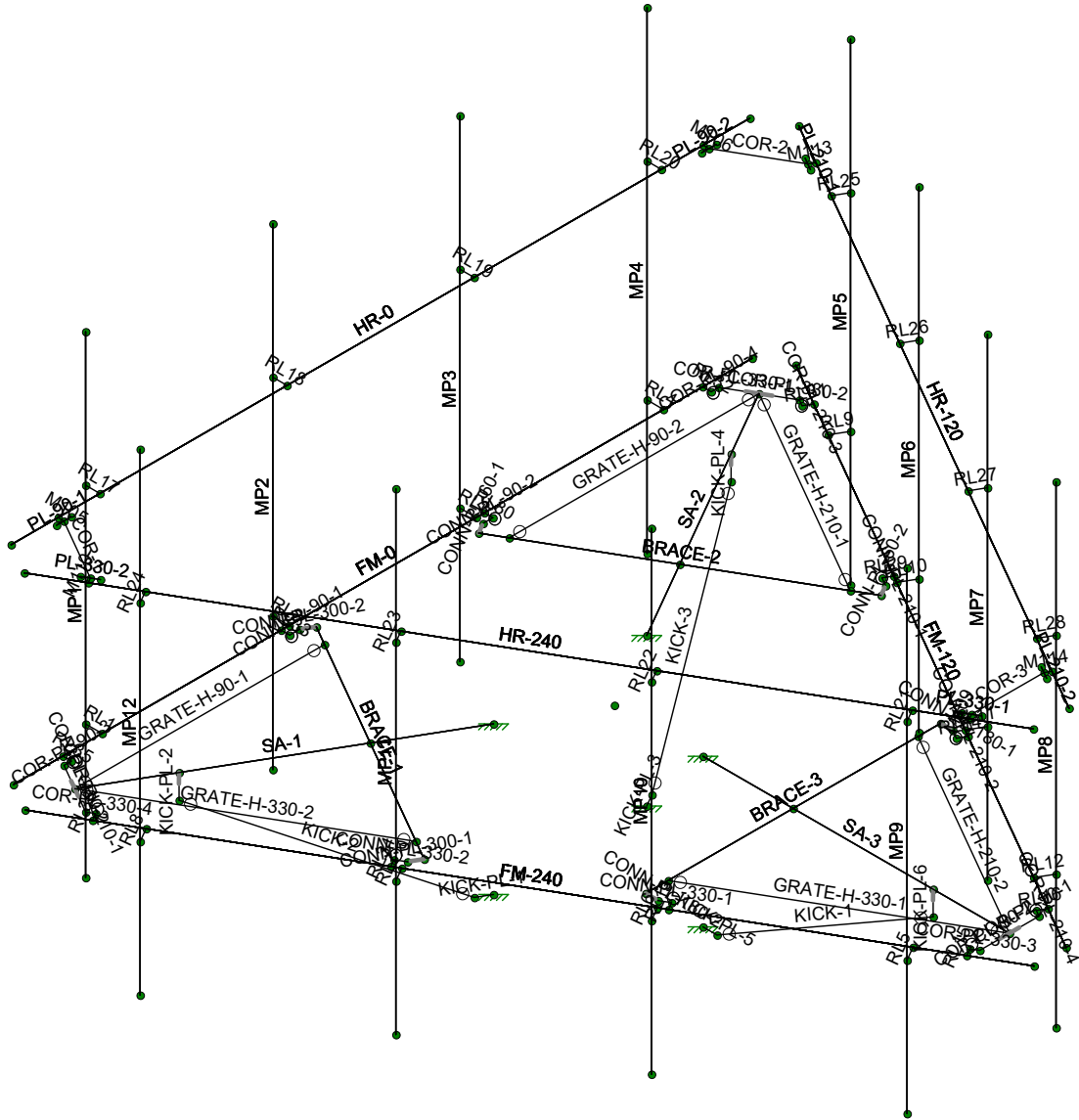
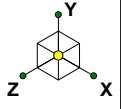
Member Lookup	Member Label	Position	Maintenance Load
PL 6x3/8	PL-210-1	210°	
PL 6x3/8	PL-210-2	210°	



ETS, PLLC
KM
ETS#22107100.STR.5860

Good Hill CT

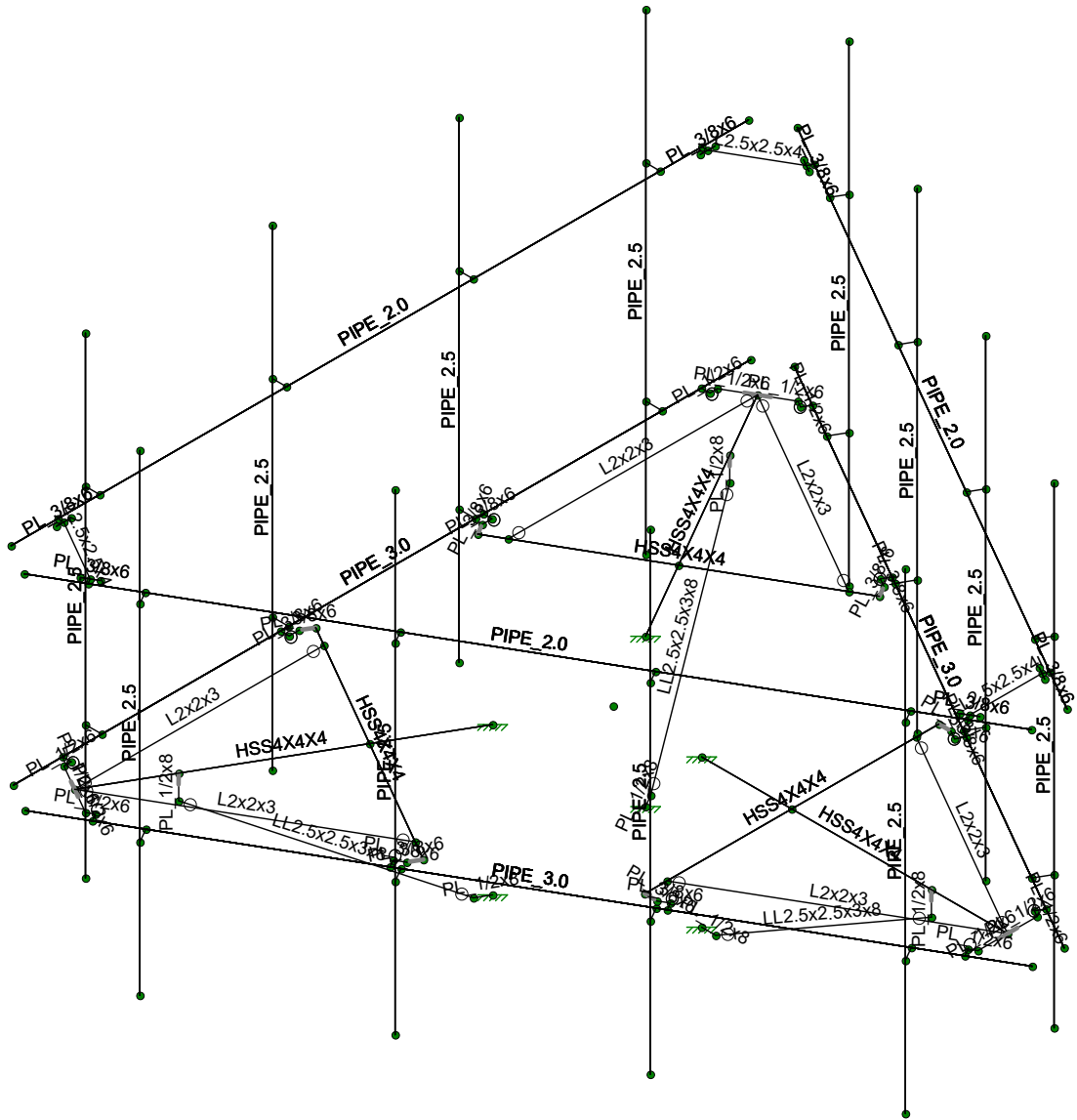
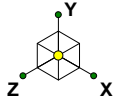
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ETS, PLLC
 KM
 ETS#22107100.STR.5860

Good Hill CT

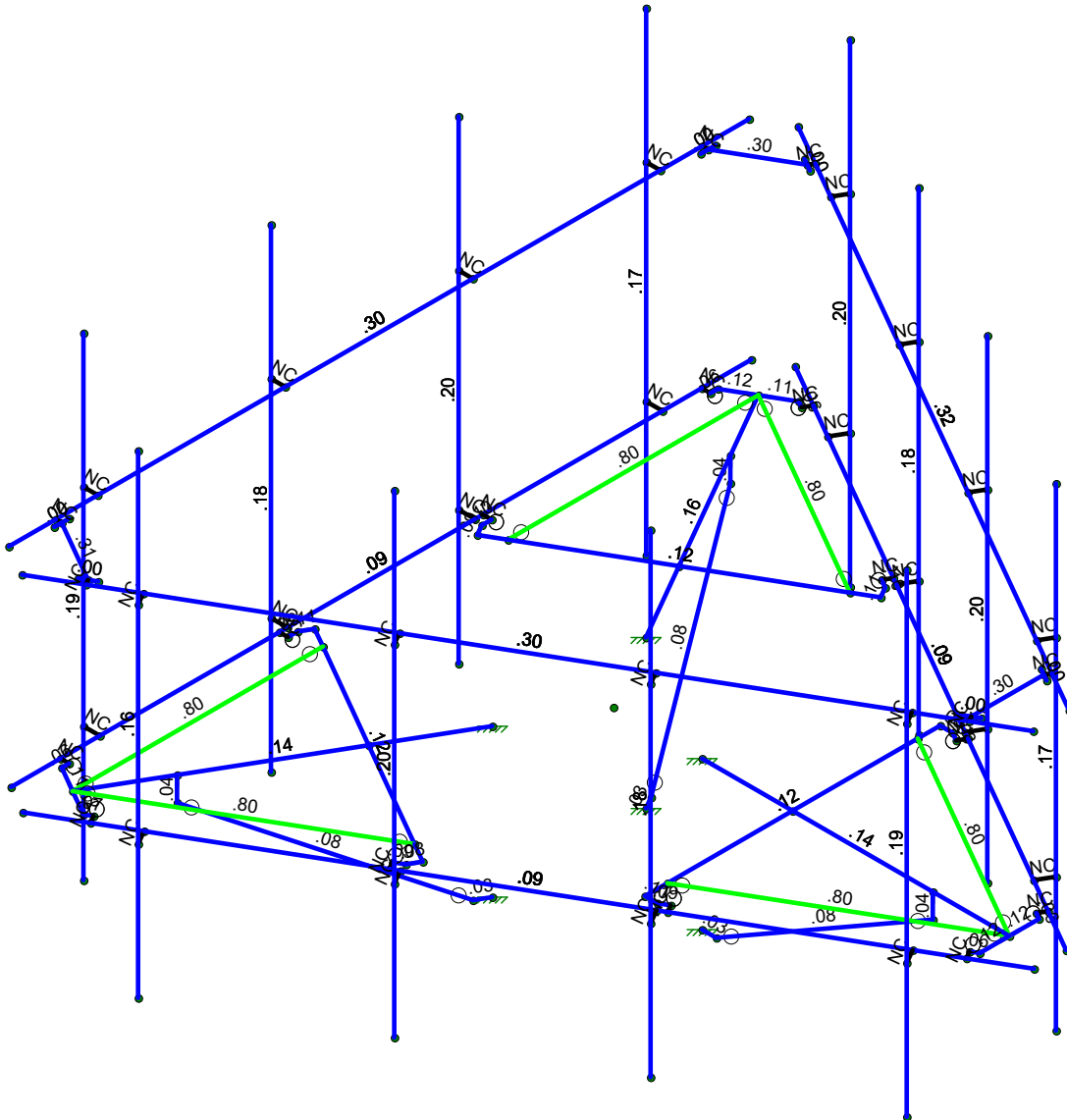
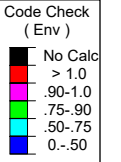
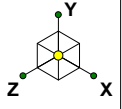
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ETS, PLLC
 KM
 ETS#22107100.STR.5860

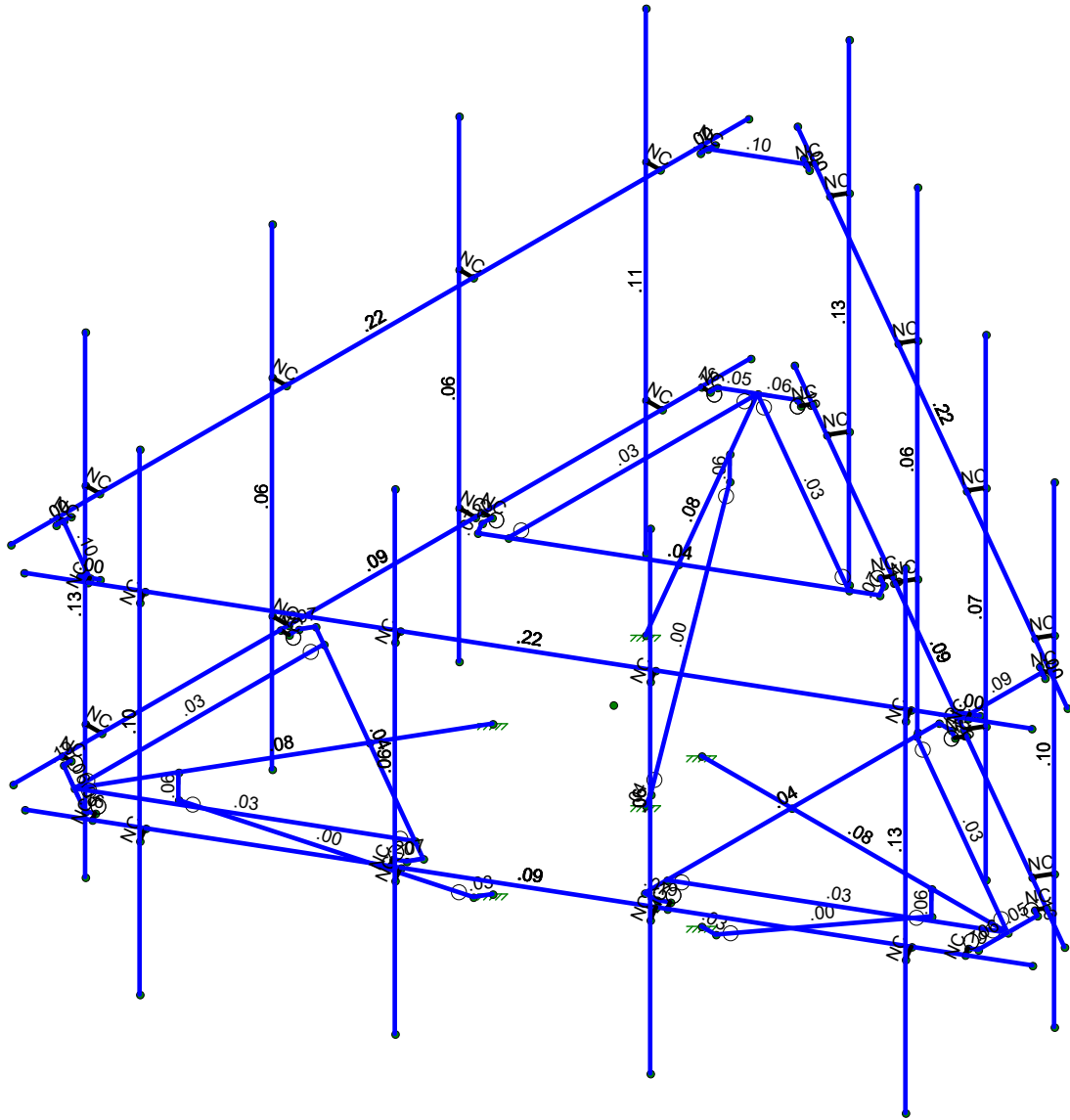
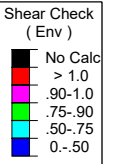
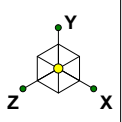
Good Hill CT

SK - 3
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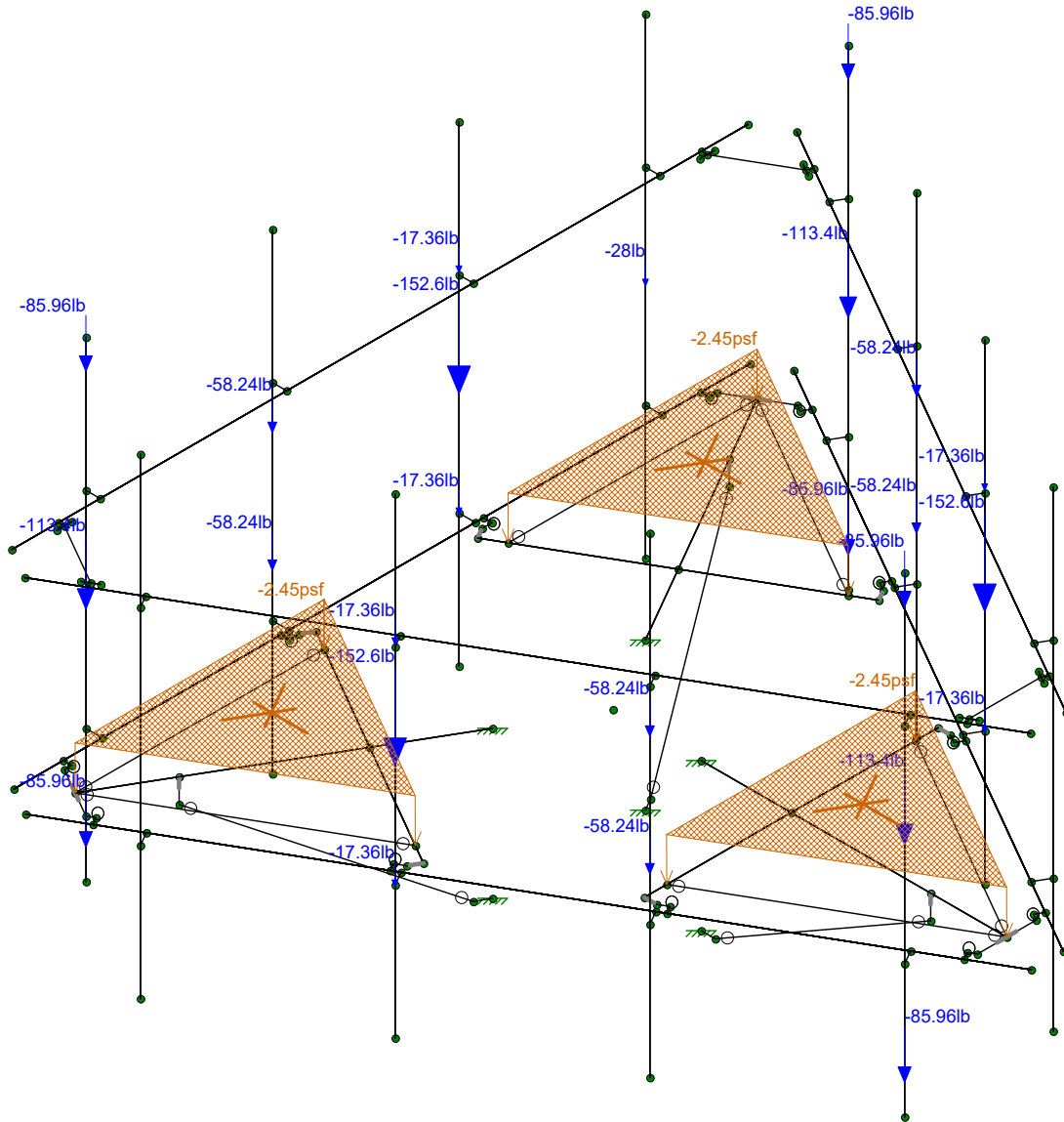
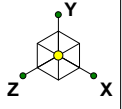
Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC	Good Hill CT	SK - 4
KM		May 16, 2022 at 7:01 PM
ETS#22107100.STR.5860		411180_14099769_T-Mobile.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC	Good Hill CT	SK - 5
KM		May 16, 2022 at 7:01 PM
ETS#22107100.STR.5860		411180_14099769_T-Mobile.r3d



Loads: LC 1, 1.4D

ETS, PLLC
KM
ETS#22107100.STR.5860

Good Hill CT

SK - 6
May 16, 2022 at 7:02 PM
411180_14099769_T-Mobile.r3d



Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N10	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N108						
3	N110	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N114	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N130						
6	N132	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
7	N136	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
8	N152						
9	N154	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	-47.054047	0	75.	0	
2	N2	-47.054047	0	-75.	0	
3	N3	88.478929	0	-3.25	0	
4	N4	-41.424881	0	-78.25	0	
5	N5	80.215319	0	6.000274	0	
6	N6	80.215319	0	-6.000274	0	
7	N7	88.478929	0	3.25	0	
8	N8	-41.424881	0	78.25	0	
9	N9	36.293219	0	-25.358864	0	
10	N10	17.965319	0	-0.	0	
11	N11	36.293219	0	29.915332	0	
12	N12	36.293219	0	-29.915763	0	
13	N13	80.215319	0	-0.	0	
14	N14	36.293219	0	25.358433	0	
15	N15	0.	0	-0.	0	
16	N16	-47.054047	0	57.	0	
17	N17	-50.369047	0	57.	0	
18	N18	-50.369047	69	57.	0	
19	N19	-50.369047	-27	57.	0	
20	N20	36.293219	0	-0.	0	
21	N21	64.715319	-4.875	-0.	0	
22	N22	-47.054047	0	19.	0	
23	N23	-50.369047	0	19.	0	
24	N24	-50.369047	69	19.	0	
25	N25	-50.369047	-27	19.	0	
26	N26	-47.054047	0	-19.	0	
27	N27	-50.369047	0	-19.	0	
28	N28	-50.369047	69	-19.	0	
29	N29	-50.369047	-27	-19.	0	
30	N30	-47.054047	0	-57.	0	
31	N31	-50.369047	0	-57.	0	
32	N32	-50.369047	69	-57.	0	
33	N33	-50.369047	-27	-57.	0	
34	N34	72.890472	0	12.25	0	
35	N35	74.547972	0	15.120874	0	
36	N36	74.547972	69	15.120874	0	
37	N37	74.547972	-27	15.120874	0	
38	N38	39.981507	0	31.25	0	
39	N39	41.639007	0	34.120874	0	
40	N40	41.639007	69	34.120874	0	
41	N41	41.639007	-27	34.120874	0	
42	N42	7.072541	0	50.25	0	



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
43	N43	8.730041	0	53.120874	0	
44	N44	8.730041	69	53.120874	0	
45	N45	8.730041	-27	53.120874	0	
46	N46	-25.836424	0	69.25	0	
47	N47	-24.178924	0	72.120874	0	
48	N48	-24.178924	69	72.120874	0	
49	N49	-24.178924	-27	72.120874	0	
50	N50	-25.836424	0	-69.25	0	
51	N51	-24.178924	0	-72.120874	0	
52	N52	-24.178924	69	-72.120874	0	
53	N53	-24.178924	-27	-72.120874	0	
54	N54	7.072541	0	-50.25	0	
55	N55	8.730041	0	-53.120874	0	
56	N56	8.730041	69	-53.120874	0	
57	N57	8.730041	-27	-53.120874	0	
58	N58	39.981507	0	-31.25	0	
59	N59	41.639007	0	-34.120874	0	
60	N60	41.639007	69	-34.120874	0	
61	N61	41.639007	-27	-34.120874	0	
62	N62	72.890472	0	-12.25	0	
63	N63	74.547972	0	-15.120874	0	
64	N64	74.547972	69	-15.120874	0	
65	N65	74.547972	-27	-15.120874	0	
66	N66	38.793219	0	29.915332	0	
67	N67	40.52527	0	28.915332	0	
68	N68	41.40027	0	30.430876	0	
69	N69	38.793219	0	-29.915763	0	
70	N70	40.52527	0	-28.915763	0	
71	N71	41.40027	0	-30.431307	0	
72	N72	78.915967	0	6.750455	0	
73	N73	79.790967	0	8.266	0	
74	N74	78.915967	0	-6.750456	0	
75	N75	79.790967	0	-8.266001	0	
76	N76	-47.489047	42	75.	0	
77	N77	-47.489047	42	-75.	0	
78	N78	-47.489047	42	57.	0	
79	N79	-50.369047	42	57.	0	
80	N80	-47.489047	42	19.	0	
81	N81	-50.369047	42	19.	0	
82	N82	-47.489047	42	-19.	0	
83	N83	-50.369047	42	-19.	0	
84	N84	-47.489047	42	-57.	0	
85	N85	-50.369047	42	-57.	0	
86	N86	88.696429	42	3.626721	0	
87	N87	-41.207381	42	78.626721	0	
88	N88	80.465789	42	8.378683	0	
89	N89	80.465789	42	-8.378683	0	
90	N90	73.107972	42	12.626721	0	
91	N91	74.547972	42	15.120874	0	
92	N92	40.199007	42	31.626721	0	
93	N93	41.639007	42	34.120874	0	
94	N94	7.290041	42	50.626721	0	
95	N95	8.730041	42	53.120874	0	
96	N96	-25.618924	42	69.626721	0	
97	N97	-24.178924	42	72.120874	0	
98	N98	-41.207381	42	-78.626721	0	
99	N99	88.696429	42	-3.626721	0	



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
100	N100	-25.618924	42	-69.626721	0	
101	N101	-24.178924	42	-72.120874	0	
102	N102	7.290041	42	-50.626721	0	
103	N103	8.730041	42	-53.120874	0	
104	N104	40.199007	42	-31.626721	0	
105	N105	41.639007	42	-34.120874	0	
106	N106	73.107972	42	-12.626721	0	
107	N107	74.547972	42	-15.120874	0	
108	N108	20.840319	-30	-0.	0	
109	N109	64.715319	0	-0.	0	
110	N110	17.965319	-30	-0.	0	
111	N111	-34.911504	0	-72.469048	0	
112	N112	-45.304284	0	-66.468774	0	
113	N113	-40.108264	0	-18.751825	0	
114	N114	-8.982894	0	-15.55883	0	
115	N115	7.760593	0	-46.388923	0	
116	N116	-44.054654	0	-16.473376	0	
117	N117	-40.107894	0	-69.468911	0	
118	N118	3.814204	0	-44.110474	0	
119	N119	-32.357894	-4.875	-56.045518	0	
120	N120	6.510593	0	-48.553987	0	
121	N121	4.778543	0	-49.553987	0	
122	N122	5.653543	0	-51.069531	0	
123	N123	-45.304654	0	-18.638439	0	
124	N124	-45.304654	0	-20.638439	0	
125	N125	-47.054654	0	-20.638439	0	
126	N126	-33.612152	0	-71.718867	0	
127	N127	-32.737152	0	-73.234411	0	
128	N128	-45.304284	0	-64.968411	0	
129	N129	-47.054284	0	-64.968411	0	
130	N130	-10.420394	-30	-18.048653	0	
131	N131	-32.357894	0	-56.045518	0	
132	N132	-8.982894	-30	-15.55883	0	
133	N133	-45.304049	0	66.468367	0	
134	N134	-34.911269	0	72.468641	0	
135	N135	3.814811	0	44.110281	0	
136	N136	-8.982659	0	15.558422	0	
137	N137	-44.054047	0	16.473183	0	
138	N138	7.761201	0	46.388731	0	
139	N139	-40.107659	0	69.468504	0	
140	N140	-40.107657	0	18.751633	0	
141	N141	-32.357659	-4.875	56.04511	0	
142	N142	-45.304047	0	18.638247	0	
143	N143	-45.304047	0	20.638247	0	
144	N144	-47.054047	0	20.638247	0	
145	N145	6.511201	0	48.553794	0	
146	N146	4.779151	0	49.553794	0	
147	N147	5.654151	0	51.069338	0	
148	N148	-45.304049	0	64.968004	0	
149	N149	-47.054049	0	64.968004	0	
150	N150	-33.611916	0	71.718459	0	
151	N151	-32.736916	0	73.234004	0	
152	N152	-10.420159	-30	18.048245	0	
153	N153	-32.357659	0	56.04511	0	
154	N154	-8.982659	-30	15.558422	0	
155	N155	-32.976742	42	-73.874759	0	
156	N156	-47.489047	42	-65.496076	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
157	N157	-47.489047	42	65.496076	0	
158	N158	-32.976742	42	73.874759	0	
159	N160	-18.146844	0	-31.431257	0	
160	N162	-18.146609	0	31.430849	0	
161	N161	-46.299047	42	-65.496076	0	
162	N162A	-46.299047	42	65.496076	0	
163	N163	-46.299047	42	-63.996076	0	
164	N164	-46.299047	42	66.996076	0	
165	N165	-46.299047	42	-66.996076	0	
166	N166	-46.299047	42	63.996076	0	
167	N169	-33.571743	42	72.844189	0	
168	N170	79.870789	42	7.348113	0	
169	N171	-32.272704	42	72.094189	0	
170	N172	81.169827	42	6.598113	0	
171	N173	-34.870781	42	73.594189	0	
172	N174	78.57175	42	8.098113	0	
173	N177	79.870789	42	-7.348112	0	
174	N178	-33.571742	42	-72.844188	0	
175	N179	78.571751	42	-8.098112	0	
176	N180	-34.87078	42	-73.594188	0	
177	N181	81.169827	42	-6.598112	0	
178	N182	-32.272704	42	-72.094188	0	

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design ...	Material	Design Rules
1	BRACE-1	N137	N138			HSS4X4X4	Beam	SquareT...	Q235	Typical
2	BRACE-2	N115	N116			HSS4X4X4	Beam	SquareT...	Q235	Typical
3	BRACE-3	N11	N12			HSS4X4X4	Beam	SquareT...	Q235	Typical
4	CONN-PL-60-1	N116	N123			PL 3/8x6	Beam	BAR	Q235	DR1
5	CONN-PL-60-2	N115	N120			PL 3/8x6	Beam	BAR	Q235	DR1
6	CONN-PL-90-1	N142	N143			PL 3/8x6	Beam	BAR	Q235	Typical
7	CONN-PL-90-2	N123	N124			PL 3/8x6	Beam	BAR	Q235	Typical
8	CONN-PL-180-1	N12	N69			PL 3/8x6	Beam	BAR	Q235	DR1
9	CONN-PL-180-2	N11	N66			PL 3/8x6	Beam	BAR	Q235	DR1
10	CONN-PL-210-1	N120	N121			PL 3/8x6	Beam	BAR	Q235	Typical
11	CONN-PL-210-2	N69	N70			PL 3/8x6	Beam	BAR	Q235	Typical
12	CONN-PL-300-1	N138	N145			PL 3/8x6	Beam	BAR	Q235	DR1
13	CONN-PL-300-2	N137	N142			PL 3/8x6	Beam	BAR	Q235	DR1
14	CONN-PL-330-1	N66	N67			PL 3/8x6	Beam	BAR	Q235	Typical
15	CONN-PL-330-2	N145	N146			PL 3/8x6	Beam	BAR	Q235	Typical
16	COR-1	N162A	N169		90	L2.5x2.5x4	Beam	Single A...	Q235	Typical
17	COR-2	N178	N161		90	L2.5x2.5x4	Beam	Single A...	Q235	Typical
18	COR-3	N170	N177		90	L2.5x2.5x4	Beam	Single A...	Q235	Typical
19	COR-PL-90-1	N13	N6			PL 1/2x6	Beam	BAR	Q235	Typical
20	COR-PL-90-2	N13	N5			PL 1/2x6	Beam	BAR	Q235	Typical
21	COR-PL-90-3	N133	N148			PL 1/2x6	Beam	BAR	Q235	Typical
22	COR-PL-90-4	N112	N128			PL 1/2x6	Beam	BAR	Q235	Typical
23	COR-PL-210-1	N139	N134			PL 1/2x6	Beam	BAR	Q235	Typical
24	COR-PL-210-2	N139	N133			PL 1/2x6	Beam	BAR	Q235	Typical
25	COR-PL-210-3	N111	N126			PL 1/2x6	Beam	BAR	Q235	Typical
26	COR-PL-210-4	N6	N74			PL 1/2x6	Beam	BAR	Q235	Typical
27	COR-PL-330-1	N117	N112			PL 1/2x6	Beam	BAR	Q235	Typical
28	COR-PL-330-2	N117	N111			PL 1/2x6	Beam	BAR	Q235	Typical
29	COR-PL-330-3	N5	N72			PL 1/2x6	Beam	BAR	Q235	Typical
30	COR-PL-330-4	N134	N150			PL 1/2x6	Beam	BAR	Q235	Typical



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design ...	Material	Design Rules
31	FM-0	N1	N2			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
32	FM-120	N3	N4			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
33	FM-240	N7	N8			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
34	GRATE-H-90-1	N139	N140			L2x2x3	Beam	Single A...	Q235	Typical
35	GRATE-H-90-2	N117	N113		270	L2x2x3	Beam	Single A...	Q235	Typical
36	GRATE-H-210-1	N117	N118			L2x2x3	Beam	Single A...	Q235	Typical
37	GRATE-H-210-2	N13	N9		270	L2x2x3	Beam	Single A...	Q235	Typical
38	GRATE-H-330-1	N13	N14			L2x2x3	Beam	Single A...	Q235	Typical
39	GRATE-H-330-2	N139	N135		270	L2x2x3	Beam	Single A...	Q235	Typical
40	HR-0	N76	N77			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
41	HR-120	N98	N99			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
42	HR-240	N86	N87			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
43	KICK-1	N108	N21			LL2.5x2.5x3x8	Beam	Double ...	Q235	Typical
44	KICK-2	N152	N141			LL2.5x2.5x3x8	Beam	Double ...	Q235	Typical
45	KICK-3	N130	N119			LL2.5x2.5x3x8	Beam	Double ...	Q235	Typical
46	KICK-PL-1	N154	N152			PL 1/2x8	Beam	BAR	Q235	Typical
47	KICK-PL-2	N141	N153		60	PL 1/2x8	Beam	BAR	Q235	Typical
48	KICK-PL-3	N132	N130			PL 1/2x8	Beam	BAR	Q235	Typical
49	KICK-PL-4	N119	N131		300	PL 1/2x8	Beam	BAR	Q235	Typical
50	KICK-PL-5	N110	N108			PL 1/2x8	Beam	BAR	Q235	Typical
51	KICK-PL-6	N21	N109			PL 1/2x8	Beam	BAR	Q235	Typical
52	MP1	N19	N18			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
53	MP2	N25	N24			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
54	MP3	N29	N28			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
55	MP4	N33	N32			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
56	MP5	N53	N52			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
57	MP6	N57	N56			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
58	MP7	N61	N60			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
59	MP8	N65	N64			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
60	MP9	N37	N36			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
61	MP10	N41	N40			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
62	MP11	N45	N44			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
63	MP12	N49	N48			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
64	RL1	N16	N17			RIGID	None	None	RIGID	Typical
65	RL2	N22	N23			RIGID	None	None	RIGID	Typical
66	RL3	N26	N27			RIGID	None	None	RIGID	Typical
67	RL4	N30	N31			RIGID	None	None	RIGID	Typical
68	RL5	N34	N35			RIGID	None	None	RIGID	Typical
69	RL6	N38	N39			RIGID	None	None	RIGID	Typical
70	RL7	N42	N43			RIGID	None	None	RIGID	Typical
71	RL8	N46	N47			RIGID	None	None	RIGID	Typical
72	RL9	N50	N51			RIGID	None	None	RIGID	Typical
73	RL10	N54	N55			RIGID	None	None	RIGID	Typical
74	RL11	N58	N59			RIGID	None	None	RIGID	Typical
75	RL12	N62	N63			RIGID	None	None	RIGID	Typical
76	RL13	N67	N68			RIGID	None	None	RIGID	Typical
77	RL14	N70	N71			RIGID	None	None	RIGID	Typical
78	RL15	N72	N73			RIGID	None	None	RIGID	Typical
79	RL16	N74	N75			RIGID	None	None	RIGID	Typical
80	RL17	N78	N79			RIGID	None	None	RIGID	Typical
81	RL18	N80	N81			RIGID	None	None	RIGID	Typical
82	RL19	N82	N83			RIGID	None	None	RIGID	Typical
83	RL20	N84	N85			RIGID	None	None	RIGID	Typical
84	RL21	N90	N91			RIGID	None	None	RIGID	Typical
85	RL22	N92	N93			RIGID	None	None	RIGID	Typical
86	RL23	N94	N95			RIGID	None	None	RIGID	Typical
87	RL24	N96	N97			RIGID	None	None	RIGID	Typical



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design ...	Material	Design Rules
88	RL25	N100	N101			RIGID	None	None	RIGID	Typical
89	RL26	N102	N103			RIGID	None	None	RIGID	Typical
90	RL27	N104	N105			RIGID	None	None	RIGID	Typical
91	RL28	N106	N107			RIGID	None	None	RIGID	Typical
92	RL29	N121	N122			RIGID	None	None	RIGID	Typical
93	RL30	N124	N125			RIGID	None	None	RIGID	Typical
94	RL31	N126	N127			RIGID	None	None	RIGID	Typical
95	RL32	N128	N129			RIGID	None	None	RIGID	Typical
96	RL33	N143	N144			RIGID	None	None	RIGID	Typical
97	RL34	N146	N147			RIGID	None	None	RIGID	Typical
98	RL35	N148	N149			RIGID	None	None	RIGID	Typical
99	RL36	N150	N151			RIGID	None	None	RIGID	Typical
100	SA-1	N139	N136			HSS4X4X4	Beam	SquareT...	Q235	Typical
101	SA-2	N117	N114			HSS4X4X4	Beam	SquareT...	Q235	Typical
102	SA-3	N13	N10			HSS4X4X4	Beam	SquareT...	Q235	Typical
103	PL-90-1	N164	N166			PL 3/8x6	Beam	None	A36 Gr.36	Typical
104	PL-90-2	N163	N165			PL 3/8x6	Beam	None	A36 Gr.36	Typical
105	M105	N157	N162A			RIGID	None	None	RIGID	Typical
106	M106	N156	N161			RIGID	None	None	RIGID	Typical
107	PL-330-1	N172	N174			PL 3/8x6	Beam	None	A36 Gr.36	Typical
108	PL-330-2	N171	N173			PL 3/8x6	Beam	None	A36 Gr.36	Typical
109	M109	N88	N170			RIGID	None	None	RIGID	Typical
110	M110	N158	N169			RIGID	None	None	RIGID	Typical
111	PL-210-1	N180	N182			PL 3/8x6	Beam	None	A36 Gr.36	Typical
112	PL-210-2	N179	N181			PL 3/8x6	Beam	None	A36 Gr.36	Typical
113	M113	N155	N178			RIGID	None	None	RIGID	Typical
114	M114	N89	N177			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical Defl Ra...	Analysis Offset[in]	Inactive	Seismi...
1	BRACE-1						Yes			None
2	BRACE-2						Yes			None
3	BRACE-3						Yes			None
4	CONN-PL...				2		Yes			None
5	CONN-PL...				2		Yes			None
6	CONN-PL...						Yes			None
7	CONN-PL...						Yes			None
8	CONN-PL...				2		Yes			None
9	CONN-PL...				2		Yes			None
10	CONN-PL...						Yes			None
11	CONN-PL...						Yes			None
12	CONN-PL...				2		Yes			None
13	CONN-PL...				2		Yes			None
14	CONN-PL...						Yes			None
15	CONN-PL...						Yes			None
16	COR-1						Yes	Default		None
17	COR-2						Yes	Default		None
18	COR-3						Yes	Default		None
19	COR-PL-9...				2		Yes			None
20	COR-PL-9...				2		Yes			None
21	COR-PL-9...						Yes			None
22	COR-PL-9...						Yes			None
23	COR-PL-2...				2		Yes			None
24	COR-PL-2...				2		Yes			None
25	COR-PL-2...						Yes			None



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Advanced Data (Continued)

Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis	Offset[in]	Inactive	Seismi...
26	COR-PL-2...					Yes					None
27	COR-PL-3...		2			Yes					None
28	COR-PL-3...		2			Yes					None
29	COR-PL-3...					Yes					None
30	COR-PL-3...					Yes					None
31	FM-0					Yes					None
32	FM-120					Yes					None
33	FM-240					Yes					None
34	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
35	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
36	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
37	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
38	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
39	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
40	HR-0					Yes					None
41	HR-120					Yes					None
42	HR-240					Yes					None
43	KICK-1	BenPIN	BenPIN			Yes					None
44	KICK-2	BenPIN	BenPIN			Yes					None
45	KICK-3	BenPIN	BenPIN			Yes					None
46	KICK-PL-1					Yes					None
47	KICK-PL-2			2		Yes					None
48	KICK-PL-3					Yes					None
49	KICK-PL-4			2		Yes					None
50	KICK-PL-5					Yes					None
51	KICK-PL-6			2		Yes					None
52	MP1					Yes	** NA **				None
53	MP2					Yes	** NA **				None
54	MP3					Yes	** NA **				None
55	MP4					Yes	** NA **				None
56	MP5					Yes	** NA **				None
57	MP6					Yes	** NA **				None
58	MP7					Yes	** NA **				None
59	MP8					Yes	** NA **				None
60	MP9					Yes	** NA **				None
61	MP10					Yes	** NA **				None
62	MP11					Yes	** NA **				None
63	MP12					Yes	** NA **				None
64	RL1					Yes	** NA **				None
65	RL2					Yes	** NA **				None
66	RL3					Yes	** NA **				None
67	RL4					Yes	** NA **				None
68	RL5					Yes	** NA **				None
69	RL6					Yes	** NA **				None
70	RL7					Yes	** NA **				None
71	RL8					Yes	** NA **				None
72	RL9					Yes	** NA **				None
73	RL10					Yes	** NA **				None
74	RL11					Yes	** NA **				None
75	RL12					Yes	** NA **				None
76	RL13		000X00			Yes	** NA **				None
77	RL14		000X00			Yes	** NA **				None
78	RL15		000X00			Yes	** NA **				None
79	RL16		000X00			Yes	** NA **				None
80	RL17					Yes	** NA **				None
81	RL18					Yes	** NA **				None
82	RL19					Yes	** NA **				None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis Offset[in]	Inactive	Seismi...
83	RL20						Yes	** NA **			None
84	RL21						Yes	** NA **			None
85	RL22						Yes	** NA **			None
86	RL23						Yes	** NA **			None
87	RL24						Yes	** NA **			None
88	RL25						Yes	** NA **			None
89	RL26						Yes	** NA **			None
90	RL27						Yes	** NA **			None
91	RL28						Yes	** NA **			None
92	RL29		000X00				Yes	** NA **			None
93	RL30		000X00				Yes	** NA **			None
94	RL31		000X00				Yes	** NA **			None
95	RL32		000X00				Yes	** NA **			None
96	RL33		000X00				Yes	** NA **			None
97	RL34		000X00				Yes	** NA **			None
98	RL35		000X00				Yes	** NA **			None
99	RL36		000X00				Yes	** NA **			None
100	SA-1						Yes				None
101	SA-2						Yes				None
102	SA-3						Yes				None
103	PL-90-1						Yes				None
104	PL-90-2						Yes				None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	PL-330-1						Yes				None
108	PL-330-2						Yes				None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	PL-210-1						Yes				None
112	PL-210-2						Yes				None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Lengt...	Lbyy[in]	Lbzz[in]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Func...
1	BRACE-1	HSS4X4X4	59.831	23.4	25.9							Late...
2	BRACE-2	HSS4X4X4	59.831	23.4	25.9							Late...
3	BRACE-3	HSS4X4X4	59.831	23.4	25.9							Late...
4	CONN-PL-60-1	PL 3/8x6	2.5									Late...
5	CONN-PL-60-2	PL 3/8x6	2.5									Late...
6	CONN-PL-90-1	PL 3/8x6	2									Late...
7	CONN-PL-90-2	PL 3/8x6	2									Late...
8	CONN-PL-180-1	PL 3/8x6	2.5									Late...
9	CONN-PL-180-2	PL 3/8x6	2.5									Late...
10	CONN-PL-210-1	PL 3/8x6	2									Late...
11	CONN-PL-210-2	PL 3/8x6	2									Late...
12	CONN-PL-300-1	PL 3/8x6	2.5									Late...
13	CONN-PL-300-2	PL 3/8x6	2.5									Late...
14	CONN-PL-330-1	PL 3/8x6	2									Late...
15	CONN-PL-330-2	PL 3/8x6	2									Late...
16	COR-1	L2.5x2.5x4	14.696									Late...
17	COR-2	L2.5x2.5x4	14.696									Late...
18	COR-3	L2.5x2.5x4	14.696									Late...
19	COR-PL-90-1	PL 1/2x6	6									Late...
20	COR-PL-90-2	PL 1/2x6	6									Late...



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Lengt...	Lbyy[in]	Lbzz[in]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Func...
21	COR-PL-90-3	PL 1/2x6	1.5									Late...
22	COR-PL-90-4	PL 1/2x6	1.5									Late...
23	COR-PL-210-1	PL 1/2x6	6									Late...
24	COR-PL-210-2	PL 1/2x6	6									Late...
25	COR-PL-210-3	PL 1/2x6	1.5									Late...
26	COR-PL-210-4	PL 1/2x6	1.5									Late...
27	COR-PL-330-1	PL 1/2x6	6									Late...
28	COR-PL-330-2	PL 1/2x6	6									Late...
29	COR-PL-330-3	PL 1/2x6	1.5									Late...
30	COR-PL-330-4	PL 1/2x6	1.5									Late...
31	FM-0	PIPE 3.0	150	49.4	49.4							Late...
32	FM-120	PIPE 3.0	150	49.4	49.4							Late...
33	FM-240	PIPE 3.0	150	49.4	49.4							Late...
34	GRATE-H-90-1	L2x2x3	50.717									Late...
35	GRATE-H-90-2	L2x2x3	50.717									Late...
36	GRATE-H-210-1	L2x2x3	50.717									Late...
37	GRATE-H-210-2	L2x2x3	50.717									Late...
38	GRATE-H-330-1	L2x2x3	50.717									Late...
39	GRATE-H-330-2	L2x2x3	50.717									Late...
40	HR-0	PIPE 2.0	150		38							Late...
41	HR-120	PIPE 2.0	150		38							Late...
42	HR-240	PIPE 2.0	150		38							Late...
43	KICK-1	LL2.5x2.5x3x8	50.56									Late...
44	KICK-2	LL2.5x2.5x3x8	50.56									Late...
45	KICK-3	LL2.5x2.5x3x8	50.56									Late...
46	KICK-PL-1	PL 1/2x8	2.875									Late...
47	KICK-PL-2	PL 1/2x8	4.875									Late...
48	KICK-PL-3	PL 1/2x8	2.875									Late...
49	KICK-PL-4	PL 1/2x8	4.875									Late...
50	KICK-PL-5	PL 1/2x8	2.875									Late...
51	KICK-PL-6	PL 1/2x8	4.875									Late...
52	MP1	PIPE 2.5	96									Late...
53	MP2	PIPE 2.5	96									Late...
54	MP3	PIPE 2.5	96									Late...
55	MP4	PIPE 2.5	96									Late...
56	MP5	PIPE 2.5	96									Late...
57	MP6	PIPE 2.5	96									Late...
58	MP7	PIPE 2.5	96									Late...
59	MP8	PIPE 2.5	96									Late...
60	MP9	PIPE 2.5	96									Late...
61	MP10	PIPE 2.5	96									Late...
62	MP11	PIPE 2.5	96									Late...
63	MP12	PIPE 2.5	96									Late...
64	SA-1	HSS4X4X4	62.25	41.9	46.75							Late...
65	SA-2	HSS4X4X4	62.25	41.9	46.75							Late...
66	SA-3	HSS4X4X4	62.25	41.9	46.75							Late...
67	PL-90-1	PL 3/8x6	3				Lbyy					Late...
68	PL-90-2	PL 3/8x6	3				Lbyy					Late...
69	PL-330-1	PL 3/8x6	3				Lbyy					Late...
70	PL-330-2	PL 3/8x6	3				Lbyy					Late...
71	PL-210-1	PL 3/8x6	3				Lbyy					Late...
72	PL-210-2	PL 3/8x6	3				Lbyy					Late...



Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (...)	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B R...	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Point Loads (BLC 1 : Dead Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	Y	0	%50
2	MP2	Y	0	%50
3	MP3	Y	0	%50
4	MP4	Y	0	%50
5	MP5	Y	0	%50
6	MP6	Y	0	%50
7	MP7	Y	0	%50
8	MP8	Y	0	%50
9	MP9	Y	0	%50
10	MP10	Y	0	%50
11	MP11	Y	0	%50
12	MP12	Y	0	%50
13	MP4	Y	-20	%50
14	MP1	Y	-81	%50
15	MP3	Y	-109	%50
16	MP5	Y	-81	%50
17	MP7	Y	-109	%50
18	MP9	Y	-81	%50
19	MP11	Y	-109	%50

Member Point Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	.1	%50
2	MP2	X	36	%50
3	MP3	X	24.9	%50
4	MP4	X	57.9	%50
5	MP5	X	52.1	%50
6	MP6	X	61.1	%50
7	MP7	X	58.3	%50
8	MP8	X	69.4	%50
9	MP9	X	52.1	%50
10	MP10	X	61.1	%50
11	MP11	X	58.3	%50
12	MP12	X	69.4	%50
13	MP4	X	0	%50
14	MP1	X	86.9	%50
15	MP3	X	77.4	%50
16	MP5	X	53.3	%50
17	MP7	X	64.1	%50
18	MP9	X	53.3	%50
19	MP11	X	64.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50



Member Point Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50
39	MP4	X	144.8	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	15.1	%50
2	MP2	X	38.4	%50
3	MP3	X	31.2	%50
4	MP4	X	52.6	%50
5	MP5	X	60.1	%50
6	MP6	X	60.1	%50
7	MP7	X	60.1	%50
8	MP8	X	60.1	%50
9	MP9	X	15.1	%50
10	MP10	X	38.4	%50
11	MP11	X	31.2	%50
12	MP12	X	60.1	%50
13	MP4	X	0	%50
14	MP1	X	65.6	%50
15	MP3	X	63.2	%50
16	MP5	X	36.5	%50
17	MP7	X	51.7	%50
18	MP9	X	65.6	%50
19	MP11	X	63.2	%50
20	MP1	Z	8.7	%50
21	MP2	Z	22.2	%50
22	MP3	Z	18	%50
23	MP4	Z	30.4	%50
24	MP5	Z	34.7	%50
25	MP6	Z	34.7	%50
26	MP7	Z	34.7	%50
27	MP8	Z	34.7	%50
28	MP9	Z	8.7	%50
29	MP10	Z	22.2	%50
30	MP11	Z	18	%50
31	MP12	Z	34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	37.8	%50



Member Point Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
34	MP3	Z	36.5	%50
35	MP5	Z	21.1	%50
36	MP7	Z	29.8	%50
37	MP9	Z	37.8	%50
38	MP11	Z	36.5	%50
39	MP4	X	138.9	%50
40	MP4	Z	26.9	%50
41	MP4	Mx	-13.1	%50

Member Point Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	26	%50
2	MP2	X	30.5	%50
3	MP3	X	29.1	%50
4	MP4	X	33.3	%50
5	MP5	X	26	%50
6	MP6	X	30.5	%50
7	MP7	X	29.1	%50
8	MP8	X	34.7	%50
9	MP9	X	0	%50
10	MP10	X	18	%50
11	MP11	X	12.4	%50
12	MP12	X	34.7	%50
13	MP4	X	0	%50
14	MP1	X	26.7	%50
15	MP3	X	32	%50
16	MP5	X	26.7	%50
17	MP7	X	32	%50
18	MP9	X	43.4	%50
19	MP11	X	38.7	%50
20	MP1	Z	45.1	%50
21	MP2	Z	52.9	%50
22	MP3	Z	50.5	%50
23	MP4	Z	57.6	%50
24	MP5	Z	45.1	%50
25	MP6	Z	52.9	%50
26	MP7	Z	50.5	%50
27	MP8	Z	60.1	%50
28	MP9	Z	.1	%50
29	MP10	Z	31.2	%50
30	MP11	Z	21.6	%50
31	MP12	Z	60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	46.2	%50
34	MP3	Z	55.5	%50
35	MP5	Z	46.2	%50
36	MP7	Z	55.5	%50
37	MP9	Z	75.2	%50
38	MP11	Z	67	%50
39	MP4	X	108.5	%50
40	MP4	Z	42.1	%50
41	MP4	Mx	-2.2	%50

Member Point Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	0	%50



Member Point Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	69.4	%50
21	MP2	Z	69.4	%50
22	MP3	Z	69.4	%50
23	MP4	Z	69.4	%50
24	MP5	Z	17.4	%50
25	MP6	Z	44.3	%50
26	MP7	Z	36	%50
27	MP8	Z	69.4	%50
28	MP9	Z	17.4	%50
29	MP10	Z	44.3	%50
30	MP11	Z	36	%50
31	MP12	Z	69.4	%50
32	MP4	Z	0	%50
33	MP1	Z	42.2	%50
34	MP3	Z	59.7	%50
35	MP5	Z	75.7	%50
36	MP7	Z	73	%50
37	MP9	Z	75.7	%50
38	MP11	Z	73	%50
39	MP4	X	-12.6	%50
40	MP4	Z	71.7	%50
41	MP4	Mx	24.7	%50

Member Point Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-26	%50
2	MP2	X	-30.5	%50
3	MP3	X	-29.1	%50
4	MP4	X	-33.3	%50
5	MP5	X	0	%50
6	MP6	X	-18	%50
7	MP7	X	-12.4	%50
8	MP8	X	-34.7	%50
9	MP9	X	-26	%50
10	MP10	X	-30.5	%50
11	MP11	X	-29.1	%50
12	MP12	X	-34.7	%50
13	MP4	X	0	%50



Member Point Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
14	MP1	X	-26.7	%50
15	MP3	X	-32	%50
16	MP5	X	-43.4	%50
17	MP7	X	-38.7	%50
18	MP9	X	-26.7	%50
19	MP11	X	-32	%50
20	MP1	Z	45.1	%50
21	MP2	Z	52.9	%50
22	MP3	Z	50.5	%50
23	MP4	Z	57.6	%50
24	MP5	Z	.1	%50
25	MP6	Z	31.2	%50
26	MP7	Z	21.6	%50
27	MP8	Z	60.1	%50
28	MP9	Z	45.1	%50
29	MP10	Z	52.9	%50
30	MP11	Z	50.5	%50
31	MP12	Z	60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	46.2	%50
34	MP3	Z	55.5	%50
35	MP5	Z	75.2	%50
36	MP7	Z	67	%50
37	MP9	Z	46.2	%50
38	MP11	Z	55.5	%50
39	MP4	X	-81.6	%50
40	MP4	Z	50.2	%50
41	MP4	Mx	26.2	%50

Member Point Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-15.1	%50
2	MP2	X	-38.4	%50
3	MP3	X	-31.2	%50
4	MP4	X	-52.6	%50
5	MP5	X	-15.1	%50
6	MP6	X	-38.4	%50
7	MP7	X	-31.2	%50
8	MP8	X	-60.1	%50
9	MP9	X	-60.1	%50
10	MP10	X	-60.1	%50
11	MP11	X	-60.1	%50
12	MP12	X	-60.1	%50
13	MP4	X	0	%50
14	MP1	X	-65.6	%50
15	MP3	X	-63.2	%50
16	MP5	X	-65.6	%50
17	MP7	X	-63.2	%50
18	MP9	X	-36.5	%50
19	MP11	X	-51.7	%50
20	MP1	Z	8.7	%50
21	MP2	Z	22.2	%50
22	MP3	Z	18	%50
23	MP4	Z	30.4	%50
24	MP5	Z	8.7	%50
25	MP6	Z	22.2	%50



Member Point Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
26	MP7	Z	18	%50
27	MP8	Z	34.7	%50
28	MP9	Z	34.7	%50
29	MP10	Z	34.7	%50
30	MP11	Z	34.7	%50
31	MP12	Z	34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	37.8	%50
34	MP3	Z	36.5	%50
35	MP5	Z	37.8	%50
36	MP7	Z	36.5	%50
37	MP9	Z	21.1	%50
38	MP11	Z	29.8	%50
39	MP4	X	-109.8	%50
40	MP4	Z	20.2	%50
41	MP4	Mx	15.6	%50

Member Point Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	-.1	%50
2	MP2	X	-36	%50
3	MP3	X	-24.9	%50
4	MP4	X	-57.9	%50
5	MP5	X	-52.1	%50
6	MP6	X	-61.1	%50
7	MP7	X	-58.3	%50
8	MP8	X	-69.4	%50
9	MP9	X	-52.1	%50
10	MP10	X	-61.1	%50
11	MP11	X	-58.3	%50
12	MP12	X	-69.4	%50
13	MP4	X	0	%50
14	MP1	X	-86.9	%50
15	MP3	X	-77.4	%50
16	MP5	X	-53.3	%50
17	MP7	X	-64.1	%50
18	MP9	X	-53.3	%50
19	MP11	X	-64.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50



Member Point Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
38	MP11	Z	0	%50
39	MP4	X	-116.5	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	-15.1	%50
2	MP2	X	-38.4	%50
3	MP3	X	-31.2	%50
4	MP4	X	-52.6	%50
5	MP5	X	-60.1	%50
6	MP6	X	-60.1	%50
7	MP7	X	-60.1	%50
8	MP8	X	-60.1	%50
9	MP9	X	-15.1	%50
10	MP10	X	-38.4	%50
11	MP11	X	-31.2	%50
12	MP12	X	-60.1	%50
13	MP4	X	0	%50
14	MP1	X	-65.6	%50
15	MP3	X	-63.2	%50
16	MP5	X	-36.5	%50
17	MP7	X	-51.7	%50
18	MP9	X	-65.6	%50
19	MP11	X	-63.2	%50
20	MP1	Z	-8.7	%50
21	MP2	Z	-22.2	%50
22	MP3	Z	-18	%50
23	MP4	Z	-30.4	%50
24	MP5	Z	-34.7	%50
25	MP6	Z	-34.7	%50
26	MP7	Z	-34.7	%50
27	MP8	Z	-34.7	%50
28	MP9	Z	-8.7	%50
29	MP10	Z	-22.2	%50
30	MP11	Z	-18	%50
31	MP12	Z	-34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	-37.8	%50
34	MP3	Z	-36.5	%50
35	MP5	Z	-21.1	%50
36	MP7	Z	-29.8	%50
37	MP9	Z	-37.8	%50
38	MP11	Z	-36.5	%50
39	MP4	X	-109.8	%50
40	MP4	Z	-20.2	%50
41	MP4	Mx	-15.6	%50

Member Point Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	-26	%50
2	MP2	X	-30.5	%50
3	MP3	X	-29.1	%50
4	MP4	X	-33.3	%50
5	MP5	X	-26	%50



Member Point Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
6	MP6	X	-30.5	%50
7	MP7	X	-29.1	%50
8	MP8	X	-34.7	%50
9	MP9	X	0	%50
10	MP10	X	-18	%50
11	MP11	X	-12.4	%50
12	MP12	X	-34.7	%50
13	MP4	X	0	%50
14	MP1	X	-26.7	%50
15	MP3	X	-32	%50
16	MP5	X	-26.7	%50
17	MP7	X	-32	%50
18	MP9	X	-43.4	%50
19	MP11	X	-38.7	%50
20	MP1	Z	-45.1	%50
21	MP2	Z	-52.9	%50
22	MP3	Z	-50.5	%50
23	MP4	Z	-57.6	%50
24	MP5	Z	-45.1	%50
25	MP6	Z	-52.9	%50
26	MP7	Z	-50.5	%50
27	MP8	Z	-60.1	%50
28	MP9	Z	-.1	%50
29	MP10	Z	-31.2	%50
30	MP11	Z	-21.6	%50
31	MP12	Z	-60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	-46.2	%50
34	MP3	Z	-55.5	%50
35	MP5	Z	-46.2	%50
36	MP7	Z	-55.5	%50
37	MP9	Z	-75.2	%50
38	MP11	Z	-67	%50
39	MP4	X	-81.6	%50
40	MP4	Z	-50.2	%50
41	MP4	Mx	-26.2	%50

Member Point Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50



Member Point Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	-69.4	%50
21	MP2	Z	-69.4	%50
22	MP3	Z	-69.4	%50
23	MP4	Z	-69.4	%50
24	MP5	Z	-17.4	%50
25	MP6	Z	-44.3	%50
26	MP7	Z	-36	%50
27	MP8	Z	-69.4	%50
28	MP9	Z	-17.4	%50
29	MP10	Z	-44.3	%50
30	MP11	Z	-36	%50
31	MP12	Z	-69.4	%50
32	MP4	Z	0	%50
33	MP1	Z	-42.2	%50
34	MP3	Z	-59.7	%50
35	MP5	Z	-75.7	%50
36	MP7	Z	-73	%50
37	MP9	Z	-75.7	%50
38	MP11	Z	-73	%50
39	MP4	X	-12.6	%50
40	MP4	Z	-71.7	%50
41	MP4	Mx	-24.7	%50

Member Point Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	26	%50
2	MP2	X	30.5	%50
3	MP3	X	29.1	%50
4	MP4	X	33.3	%50
5	MP5	X	0	%50
6	MP6	X	18	%50
7	MP7	X	12.4	%50
8	MP8	X	34.7	%50
9	MP9	X	26	%50
10	MP10	X	30.5	%50
11	MP11	X	29.1	%50
12	MP12	X	34.7	%50
13	MP4	X	0	%50
14	MP1	X	26.7	%50
15	MP3	X	32	%50
16	MP5	X	43.4	%50
17	MP7	X	38.7	%50
18	MP9	X	26.7	%50
19	MP11	X	32	%50
20	MP1	Z	-45.1	%50
21	MP2	Z	-52.9	%50
22	MP3	Z	-50.5	%50
23	MP4	Z	-57.6	%50
24	MP5	Z	-.1	%50
25	MP6	Z	-31.2	%50
26	MP7	Z	-21.6	%50
27	MP8	Z	-60.1	%50
28	MP9	Z	-45.1	%50
29	MP10	Z	-52.9	%50



Member Point Loads (BLC 12 : Wind Load (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
30	MP11	Z	-50.5	%50
31	MP12	Z	-60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	-46.2	%50
34	MP3	Z	-55.5	%50
35	MP5	Z	-75.2	%50
36	MP7	Z	-67	%50
37	MP9	Z	-46.2	%50
38	MP11	Z	-55.5	%50
39	MP4	X	108.5	%50
40	MP4	Z	-42.1	%50
41	MP4	Mx	2.2	%50

Member Point Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	15.1	%50
2	MP2	X	38.4	%50
3	MP3	X	31.2	%50
4	MP4	X	52.6	%50
5	MP5	X	15.1	%50
6	MP6	X	38.4	%50
7	MP7	X	31.2	%50
8	MP8	X	60.1	%50
9	MP9	X	60.1	%50
10	MP10	X	60.1	%50
11	MP11	X	60.1	%50
12	MP12	X	60.1	%50
13	MP4	X	0	%50
14	MP1	X	65.6	%50
15	MP3	X	63.2	%50
16	MP5	X	65.6	%50
17	MP7	X	63.2	%50
18	MP9	X	36.5	%50
19	MP11	X	51.7	%50
20	MP1	Z	-8.7	%50
21	MP2	Z	-22.2	%50
22	MP3	Z	-18	%50
23	MP4	Z	-30.4	%50
24	MP5	Z	-8.7	%50
25	MP6	Z	-22.2	%50
26	MP7	Z	-18	%50
27	MP8	Z	-34.7	%50
28	MP9	Z	-34.7	%50
29	MP10	Z	-34.7	%50
30	MP11	Z	-34.7	%50
31	MP12	Z	-34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	-37.8	%50
34	MP3	Z	-36.5	%50
35	MP5	Z	-37.8	%50
36	MP7	Z	-36.5	%50
37	MP9	Z	-21.1	%50
38	MP11	Z	-29.8	%50
39	MP4	X	138.9	%50
40	MP4	Z	-26.9	%50
41	MP4	Mx	13.1	%50



Member Point Loads (BLC 14 : Ice Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	Y	-45.3	%50
2	MP2	Y	-45.3	%50
3	MP3	Y	-45.3	%50
4	MP4	Y	-45.3	%50
5	MP5	Y	-45.3	%50
6	MP6	Y	-45.3	%50
7	MP7	Y	-45.3	%50
8	MP8	Y	-45.3	%50
9	MP9	Y	-45.3	%50
10	MP10	Y	-45.3	%50
11	MP11	Y	-45.3	%50
12	MP12	Y	-45.3	%50
13	MP4	Y	-53.1	%50
14	MP1	Y	-47.8	%50
15	MP3	Y	-48.2	%50
16	MP5	Y	-47.8	%50
17	MP7	Y	-48.2	%50
18	MP9	Y	-47.8	%50
19	MP11	Y	-48.2	%50

Member Point Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	X	.5	%50
2	MP2	X	12.7	%50
3	MP3	X	8.9	%50
4	MP4	X	20.2	%50
5	MP5	X	16.3	%50
6	MP6	X	19.3	%50
7	MP7	X	18.4	%50
8	MP8	X	21.5	%50
9	MP9	X	16.3	%50
10	MP10	X	19.3	%50
11	MP11	X	18.4	%50
12	MP12	X	21.5	%50
13	MP4	X	0	%50
14	MP1	X	18	%50
15	MP3	X	16.1	%50
16	MP5	X	11.9	%50
17	MP7	X	14.1	%50
18	MP9	X	11.9	%50
19	MP11	X	14.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50



Member Point Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50
39	MP4	X	32.3	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	5	%50
2	MP2	X	12.9	%50
3	MP3	X	10.5	%50
4	MP4	X	17.8	%50
5	MP5	X	18.6	%50
6	MP6	X	18.6	%50
7	MP7	X	18.6	%50
8	MP8	X	18.6	%50
9	MP9	X	5	%50
10	MP10	X	12.9	%50
11	MP11	X	10.5	%50
12	MP12	X	18.6	%50
13	MP4	X	0	%50
14	MP1	X	13.8	%50
15	MP3	X	13.4	%50
16	MP5	X	8.6	%50
17	MP7	X	11.6	%50
18	MP9	X	13.8	%50
19	MP11	X	13.4	%50
20	MP1	Z	2.9	%50
21	MP2	Z	7.5	%50
22	MP3	Z	6	%50
23	MP4	Z	10.3	%50
24	MP5	Z	10.8	%50
25	MP6	Z	10.8	%50
26	MP7	Z	10.8	%50
27	MP8	Z	10.8	%50
28	MP9	Z	2.9	%50
29	MP10	Z	7.5	%50
30	MP11	Z	6	%50
31	MP12	Z	10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	8	%50
34	MP3	Z	7.7	%50
35	MP5	Z	4.9	%50
36	MP7	Z	6.7	%50
37	MP9	Z	8	%50
38	MP11	Z	7.7	%50
39	MP4	X	31	%50
40	MP4	Z	6	%50
41	MP4	Mx	-3.2	%50

Member Point Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	8.1	%50
2	MP2	X	9.7	%50



Member Point Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
3	MP3	X	9.2	%50
4	MP4	X	10.6	%50
5	MP5	X	8.1	%50
6	MP6	X	9.7	%50
7	MP7	X	9.2	%50
8	MP8	X	10.8	%50
9	MP9	X	.2	%50
10	MP10	X	6.4	%50
11	MP11	X	4.5	%50
12	MP12	X	10.8	%50
13	MP4	X	0	%50
14	MP1	X	6	%50
15	MP3	X	7.1	%50
16	MP5	X	6	%50
17	MP7	X	7.1	%50
18	MP9	X	9	%50
19	MP11	X	8.1	%50
20	MP1	Z	14.1	%50
21	MP2	Z	16.7	%50
22	MP3	Z	15.9	%50
23	MP4	Z	18.3	%50
24	MP5	Z	14.1	%50
25	MP6	Z	16.7	%50
26	MP7	Z	15.9	%50
27	MP8	Z	18.6	%50
28	MP9	Z	.4	%50
29	MP10	Z	11	%50
30	MP11	Z	7.7	%50
31	MP12	Z	18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	10.3	%50
34	MP3	Z	12.2	%50
35	MP5	Z	10.3	%50
36	MP7	Z	12.2	%50
37	MP9	Z	15.6	%50
38	MP11	Z	14	%50
39	MP4	X	24.2	%50
40	MP4	Z	9.4	%50
41	MP4	Mx	-.5	%50

Member Point Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50



Member Point Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	21.5	%50
21	MP2	Z	21.5	%50
22	MP3	Z	21.5	%50
23	MP4	Z	21.5	%50
24	MP5	Z	5.7	%50
25	MP6	Z	14.9	%50
26	MP7	Z	12.1	%50
27	MP8	Z	21.5	%50
28	MP9	Z	5.7	%50
29	MP10	Z	14.9	%50
30	MP11	Z	12.1	%50
31	MP12	Z	21.5	%50
32	MP4	Z	0	%50
33	MP1	Z	9.9	%50
34	MP3	Z	13.4	%50
35	MP5	Z	16	%50
36	MP7	Z	15.5	%50
37	MP9	Z	16	%50
38	MP11	Z	15.5	%50
39	MP4	X	-2.8	%50
40	MP4	Z	16	%50
41	MP4	Mx	6	%50

Member Point Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-8.1	%50
2	MP2	X	-9.7	%50
3	MP3	X	-9.2	%50
4	MP4	X	-10.6	%50
5	MP5	X	-2	%50
6	MP6	X	-6.4	%50
7	MP7	X	-4.5	%50
8	MP8	X	-10.8	%50
9	MP9	X	-8.1	%50
10	MP10	X	-9.7	%50
11	MP11	X	-9.2	%50
12	MP12	X	-10.8	%50
13	MP4	X	0	%50
14	MP1	X	-6	%50
15	MP3	X	-7.1	%50
16	MP5	X	-9	%50
17	MP7	X	-8.1	%50
18	MP9	X	-6	%50
19	MP11	X	-7.1	%50
20	MP1	Z	14.1	%50
21	MP2	Z	16.7	%50
22	MP3	Z	15.9	%50
23	MP4	Z	18.3	%50
24	MP5	Z	.4	%50
25	MP6	Z	11	%50
26	MP7	Z	7.7	%50



Member Point Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
27	MP8	Z	18.6	%50
28	MP9	Z	14.1	%50
29	MP10	Z	16.7	%50
30	MP11	Z	15.9	%50
31	MP12	Z	18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	10.3	%50
34	MP3	Z	12.2	%50
35	MP5	Z	15.6	%50
36	MP7	Z	14	%50
37	MP9	Z	10.3	%50
38	MP11	Z	12.2	%50
39	MP4	X	-18.2	%50
40	MP4	Z	11.2	%50
41	MP4	Mx	6.4	%50

Member Point Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	-5	%50
2	MP2	X	-12.9	%50
3	MP3	X	-10.5	%50
4	MP4	X	-17.8	%50
5	MP5	X	-5	%50
6	MP6	X	-12.9	%50
7	MP7	X	-10.5	%50
8	MP8	X	-18.6	%50
9	MP9	X	-18.6	%50
10	MP10	X	-18.6	%50
11	MP11	X	-18.6	%50
12	MP12	X	-18.6	%50
13	MP4	X	0	%50
14	MP1	X	-13.8	%50
15	MP3	X	-13.4	%50
16	MP5	X	-13.8	%50
17	MP7	X	-13.4	%50
18	MP9	X	-8.6	%50
19	MP11	X	-11.6	%50
20	MP1	Z	2.9	%50
21	MP2	Z	7.5	%50
22	MP3	Z	6	%50
23	MP4	Z	10.3	%50
24	MP5	Z	2.9	%50
25	MP6	Z	7.5	%50
26	MP7	Z	6	%50
27	MP8	Z	10.8	%50
28	MP9	Z	10.8	%50
29	MP10	Z	10.8	%50
30	MP11	Z	10.8	%50
31	MP12	Z	10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	8	%50
34	MP3	Z	7.7	%50
35	MP5	Z	8	%50
36	MP7	Z	7.7	%50
37	MP9	Z	4.9	%50
38	MP11	Z	6.7	%50



Member Point Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
39	MP4	X	-24.5	%50
40	MP4	Z	4.5	%50
41	MP4	Mx	3.8	%50

Member Point Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-5	%50
2	MP2	X	-12.7	%50
3	MP3	X	-8.9	%50
4	MP4	X	-20.2	%50
5	MP5	X	-16.3	%50
6	MP6	X	-19.3	%50
7	MP7	X	-18.4	%50
8	MP8	X	-21.5	%50
9	MP9	X	-16.3	%50
10	MP10	X	-19.3	%50
11	MP11	X	-18.4	%50
12	MP12	X	-21.5	%50
13	MP4	X	0	%50
14	MP1	X	-18	%50
15	MP3	X	-16.1	%50
16	MP5	X	-11.9	%50
17	MP7	X	-14.1	%50
18	MP9	X	-11.9	%50
19	MP11	X	-14.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50
39	MP4	X	-26	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-5	%50
2	MP2	X	-12.9	%50
3	MP3	X	-10.5	%50
4	MP4	X	-17.8	%50
5	MP5	X	-18.6	%50
6	MP6	X	-18.6	%50



Member Point Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
7	MP7	X	-18.6	%50
8	MP8	X	-18.6	%50
9	MP9	X	-5	%50
10	MP10	X	-12.9	%50
11	MP11	X	-10.5	%50
12	MP12	X	-18.6	%50
13	MP4	X	0	%50
14	MP1	X	-13.8	%50
15	MP3	X	-13.4	%50
16	MP5	X	-8.6	%50
17	MP7	X	-11.6	%50
18	MP9	X	-13.8	%50
19	MP11	X	-13.4	%50
20	MP1	Z	-2.9	%50
21	MP2	Z	-7.5	%50
22	MP3	Z	-6	%50
23	MP4	Z	-10.3	%50
24	MP5	Z	-10.8	%50
25	MP6	Z	-10.8	%50
26	MP7	Z	-10.8	%50
27	MP8	Z	-10.8	%50
28	MP9	Z	-2.9	%50
29	MP10	Z	-7.5	%50
30	MP11	Z	-6	%50
31	MP12	Z	-10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	-8	%50
34	MP3	Z	-7.7	%50
35	MP5	Z	-4.9	%50
36	MP7	Z	-6.7	%50
37	MP9	Z	-8	%50
38	MP11	Z	-7.7	%50
39	MP4	X	-24.5	%50
40	MP4	Z	-4.5	%50
41	MP4	Mx	-3.8	%50

Member Point Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	X	-8.1	%50
2	MP2	X	-9.7	%50
3	MP3	X	-9.2	%50
4	MP4	X	-10.6	%50
5	MP5	X	-8.1	%50
6	MP6	X	-9.7	%50
7	MP7	X	-9.2	%50
8	MP8	X	-10.8	%50
9	MP9	X	-2	%50
10	MP10	X	-6.4	%50
11	MP11	X	-4.5	%50
12	MP12	X	-10.8	%50
13	MP4	X	0	%50
14	MP1	X	-6	%50
15	MP3	X	-7.1	%50
16	MP5	X	-6	%50
17	MP7	X	-7.1	%50
18	MP9	X	-9	%50



Member Point Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
19	MP11	X	-8.1	%50
20	MP1	Z	-14.1	%50
21	MP2	Z	-16.7	%50
22	MP3	Z	-15.9	%50
23	MP4	Z	-18.3	%50
24	MP5	Z	-14.1	%50
25	MP6	Z	-16.7	%50
26	MP7	Z	-15.9	%50
27	MP8	Z	-18.6	%50
28	MP9	Z	-4	%50
29	MP10	Z	-11	%50
30	MP11	Z	-7.7	%50
31	MP12	Z	-18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	-10.3	%50
34	MP3	Z	-12.2	%50
35	MP5	Z	-10.3	%50
36	MP7	Z	-12.2	%50
37	MP9	Z	-15.6	%50
38	MP11	Z	-14	%50
39	MP4	X	-18.2	%50
40	MP4	Z	-11.2	%50
41	MP4	Mx	-6.4	%50

Member Point Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	-21.5	%50
21	MP2	Z	-21.5	%50
22	MP3	Z	-21.5	%50
23	MP4	Z	-21.5	%50
24	MP5	Z	-5.7	%50
25	MP6	Z	-14.9	%50
26	MP7	Z	-12.1	%50
27	MP8	Z	-21.5	%50
28	MP9	Z	-5.7	%50
29	MP10	Z	-14.9	%50
30	MP11	Z	-12.1	%50



Member Point Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
31	MP12	Z	-21.5	%50
32	MP4	Z	0	%50
33	MP1	Z	-9.9	%50
34	MP3	Z	-13.4	%50
35	MP5	Z	-16	%50
36	MP7	Z	-15.5	%50
37	MP9	Z	-16	%50
38	MP11	Z	-15.5	%50
39	MP4	X	-2.8	%50
40	MP4	Z	-16	%50
41	MP4	Mx	-6	%50

Member Point Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	X	8.1	%50
2	MP2	X	9.7	%50
3	MP3	X	9.2	%50
4	MP4	X	10.6	%50
5	MP5	X	.2	%50
6	MP6	X	6.4	%50
7	MP7	X	4.5	%50
8	MP8	X	10.8	%50
9	MP9	X	8.1	%50
10	MP10	X	9.7	%50
11	MP11	X	9.2	%50
12	MP12	X	10.8	%50
13	MP4	X	0	%50
14	MP1	X	6	%50
15	MP3	X	7.1	%50
16	MP5	X	9	%50
17	MP7	X	8.1	%50
18	MP9	X	6	%50
19	MP11	X	7.1	%50
20	MP1	Z	-14.1	%50
21	MP2	Z	-16.7	%50
22	MP3	Z	-15.9	%50
23	MP4	Z	-18.3	%50
24	MP5	Z	-.4	%50
25	MP6	Z	-11	%50
26	MP7	Z	-7.7	%50
27	MP8	Z	-18.6	%50
28	MP9	Z	-14.1	%50
29	MP10	Z	-16.7	%50
30	MP11	Z	-15.9	%50
31	MP12	Z	-18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	-10.3	%50
34	MP3	Z	-12.2	%50
35	MP5	Z	-15.6	%50
36	MP7	Z	-14	%50
37	MP9	Z	-10.3	%50
38	MP11	Z	-12.2	%50
39	MP4	X	24.2	%50
40	MP4	Z	-9.4	%50
41	MP4	Mx	.5	%50



Member Point Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	5	%50
2	MP2	X	12.9	%50
3	MP3	X	10.5	%50
4	MP4	X	17.8	%50
5	MP5	X	5	%50
6	MP6	X	12.9	%50
7	MP7	X	10.5	%50
8	MP8	X	18.6	%50
9	MP9	X	18.6	%50
10	MP10	X	18.6	%50
11	MP11	X	18.6	%50
12	MP12	X	18.6	%50
13	MP4	X	0	%50
14	MP1	X	13.8	%50
15	MP3	X	13.4	%50
16	MP5	X	13.8	%50
17	MP7	X	13.4	%50
18	MP9	X	8.6	%50
19	MP11	X	11.6	%50
20	MP1	Z	-2.9	%50
21	MP2	Z	-7.5	%50
22	MP3	Z	-6	%50
23	MP4	Z	-10.3	%50
24	MP5	Z	-2.9	%50
25	MP6	Z	-7.5	%50
26	MP7	Z	-6	%50
27	MP8	Z	-10.8	%50
28	MP9	Z	-10.8	%50
29	MP10	Z	-10.8	%50
30	MP11	Z	-10.8	%50
31	MP12	Z	-10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	-8	%50
34	MP3	Z	-7.7	%50
35	MP5	Z	-8	%50
36	MP7	Z	-7.7	%50
37	MP9	Z	-4.9	%50
38	MP11	Z	-6.7	%50
39	MP4	X	31	%50
40	MP4	Z	-6	%50
41	MP4	Mx	3.2	%50

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50



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 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
13	MP4	X	20	%50
14	MP1	X	81	%50
15	MP3	X	109	%50
16	MP5	X	81	%50
17	MP7	X	109	%50
18	MP9	X	81	%50
19	MP11	X	109	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50

Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	17.3	%50
14	MP1	X	70.1	%50
15	MP3	X	94.4	%50
16	MP5	X	70.1	%50
17	MP7	X	94.4	%50
18	MP9	X	70.1	%50
19	MP11	X	94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50



Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	10	%50
33	MP1	Z	40.5	%50
34	MP3	Z	54.5	%50
35	MP5	Z	40.5	%50
36	MP7	Z	54.5	%50
37	MP9	Z	40.5	%50
38	MP11	Z	54.5	%50

Member Point Loads (BLC 29 : Horizontal Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	10	%50
14	MP1	X	40.5	%50
15	MP3	X	54.5	%50
16	MP5	X	40.5	%50
17	MP7	X	54.5	%50
18	MP9	X	40.5	%50
19	MP11	X	54.5	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	17.3	%50
33	MP1	Z	70.1	%50
34	MP3	Z	94.4	%50
35	MP5	Z	70.1	%50
36	MP7	Z	94.4	%50
37	MP9	Z	70.1	%50
38	MP11	Z	94.4	%50

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50



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Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	20	%50
33	MP1	Z	81	%50
34	MP3	Z	109	%50
35	MP5	Z	81	%50
36	MP7	Z	109	%50
37	MP9	Z	81	%50
38	MP11	Z	109	%50

Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-10	%50
14	MP1	X	-40.5	%50
15	MP3	X	-54.5	%50
16	MP5	X	-40.5	%50



Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
17	MP7	X	-54.5	%50
18	MP9	X	-40.5	%50
19	MP11	X	-54.5	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	17.3	%50
33	MP1	Z	70.1	%50
34	MP3	Z	94.4	%50
35	MP5	Z	70.1	%50
36	MP7	Z	94.4	%50
37	MP9	Z	70.1	%50
38	MP11	Z	94.4	%50

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-17.3	%50
14	MP1	X	-70.1	%50
15	MP3	X	-94.4	%50
16	MP5	X	-70.1	%50
17	MP7	X	-94.4	%50
18	MP9	X	-70.1	%50
19	MP11	X	-94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50



Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP4	Z	10	%50
33	MP1	Z	40.5	%50
34	MP3	Z	54.5	%50
35	MP5	Z	40.5	%50
36	MP7	Z	54.5	%50
37	MP9	Z	40.5	%50
38	MP11	Z	54.5	%50

Member Point Loads (BLC 33 : Horizontal Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-20	%50
14	MP1	X	-81	%50
15	MP3	X	-109	%50
16	MP5	X	-81	%50
17	MP7	X	-109	%50
18	MP9	X	-81	%50
19	MP11	X	-109	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50



Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-17.3	%50
14	MP1	X	-70.1	%50
15	MP3	X	-94.4	%50
16	MP5	X	-70.1	%50
17	MP7	X	-94.4	%50
18	MP9	X	-70.1	%50
19	MP11	X	-94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-10	%50
33	MP1	Z	-40.5	%50
34	MP3	Z	-54.5	%50
35	MP5	Z	-40.5	%50
36	MP7	Z	-54.5	%50
37	MP9	Z	-40.5	%50
38	MP11	Z	-54.5	%50

Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-10	%50
14	MP1	X	-40.5	%50
15	MP3	X	-54.5	%50
16	MP5	X	-40.5	%50
17	MP7	X	-54.5	%50
18	MP9	X	-40.5	%50
19	MP11	X	-54.5	%50
20	MP1	Z	0	%50



Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-17.3	%50
33	MP1	Z	-70.1	%50
34	MP3	Z	-94.4	%50
35	MP5	Z	-70.1	%50
36	MP7	Z	-94.4	%50
37	MP9	Z	-70.1	%50
38	MP11	Z	-94.4	%50

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-20	%50
33	MP1	Z	-81	%50
34	MP3	Z	-109	%50
35	MP5	Z	-81	%50



Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
36	MP7	Z	-109	%50
37	MP9	Z	-81	%50
38	MP11	Z	-109	%50

Member Point Loads (BLC 37 : Horizontal Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	10	%50
14	MP1	X	40.5	%50
15	MP3	X	54.5	%50
16	MP5	X	40.5	%50
17	MP7	X	54.5	%50
18	MP9	X	40.5	%50
19	MP11	X	54.5	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-17.3	%50
33	MP1	Z	-70.1	%50
34	MP3	Z	-94.4	%50
35	MP5	Z	-70.1	%50
36	MP7	Z	-94.4	%50
37	MP9	Z	-70.1	%50
38	MP11	Z	-94.4	%50

Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50



Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	17.3	%50
14	MP1	X	70.1	%50
15	MP3	X	94.4	%50
16	MP5	X	70.1	%50
17	MP7	X	94.4	%50
18	MP9	X	70.1	%50
19	MP11	X	94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-10	%50
33	MP1	Z	-40.5	%50
34	MP3	Z	-54.5	%50
35	MP5	Z	-40.5	%50
36	MP7	Z	-54.5	%50
37	MP9	Z	-40.5	%50
38	MP11	Z	-54.5	%50

Member Point Loads (BLC 39 : Maintenance Load, Lm (MP1))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	Y	-500	%50

Member Point Loads (BLC 40 : Maintenance Load, Lm (MP2))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP2	Y	-500	%50

Member Point Loads (BLC 41 : Maintenance Load, Lm (MP3))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	Y	-500	%50

Member Point Loads (BLC 42 : Maintenance Load, Lm (MP4))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP4	Y	-500	%50

Member Point Loads (BLC 43 : Maintenance Load, Lm (MP5))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP5	Y	-500	%50

Member Point Loads (BLC 44 : Maintenance Load, Lm (MP6))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP6	Y	-500	%50



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Member Point Loads (BLC 45 : Maintenance Load, Lm (MP7))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP7	Y	-500	%50

Member Point Loads (BLC 46 : Maintenance Load, Lm (MP8))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP8	Y	-500	%50

Member Point Loads (BLC 47 : Maintenance Load, Lm (MP9))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP9	Y	-500	%50

Member Point Loads (BLC 48 : Maintenance Load, Lm (MP10))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP10	Y	-500	%50

Member Point Loads (BLC 49 : Maintenance Load, Lm (MP11))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP11	Y	-500	%50

Member Point Loads (BLC 50 : Maintenance Load, Lm (MP12))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP12	Y	-500	%50

Member Point Loads (BLC 75 : Maintenance Load, Lv (Pos. 1))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-0	Y	-250	0

Member Point Loads (BLC 76 : Maintenance Load, Lv (Pos. 2))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-0	Y	-250	%50

Member Point Loads (BLC 77 : Maintenance Load, Lv (Pos. 3))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-0	Y	-250	%100

Member Point Loads (BLC 78 : Maintenance Load, Lv (Pos. 4))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-120	Y	-250	0

Member Point Loads (BLC 79 : Maintenance Load, Lv (Pos. 5))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-120	Y	-250	%50

Member Point Loads (BLC 80 : Maintenance Load, Lv (Pos. 6))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-120	Y	-250	%100

Member Point Loads (BLC 81 : Maintenance Load, Lv (Pos. 7))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-240	Y	-250	0



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Member Point Loads (BLC 82 : Maintenance Load, Lv (Pos. 8))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-240	Y	-250	%50

Member Point Loads (BLC 83 : Maintenance Load, Lv (Pos. 9))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-240	Y	-250	%100

Member Point Loads (BLC 84 : Maintenance Load, Lv (Pos. 10))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-90-1	Y	-250	%50

Member Point Loads (BLC 85 : Maintenance Load, Lv (Pos. 11))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-90-2	Y	-250	%50

Member Point Loads (BLC 86 : Maintenance Load, Lv (Pos. 12))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-210-1	Y	-250	%50

Member Point Loads (BLC 87 : Maintenance Load, Lv (Pos. 13))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-210-2	Y	-250	%50

Member Point Loads (BLC 88 : Maintenance Load, Lv (Pos. 14))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-330-1	Y	-250	%50

Member Point Loads (BLC 89 : Maintenance Load, Lv (Pos. 15))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-330-2	Y	-250	%50

Member Point Loads (BLC 90 : Maintenance Load, Lv (Pos. 16))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-0	Y	-250	0

Member Point Loads (BLC 91 : Maintenance Load, Lv (Pos. 17))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-0	Y	-250	%50

Member Point Loads (BLC 92 : Maintenance Load, Lv (Pos. 18))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-0	Y	-250	%100

Member Point Loads (BLC 93 : Maintenance Load, Lv (Pos. 19))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-120	Y	-250	0

Member Point Loads (BLC 94 : Maintenance Load, Lv (Pos. 20))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-120	Y	-250	%50



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Member Point Loads (BLC 95 : Maintenance Load, Lv (Pos. 21))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-120	Y	-250	%100

Member Point Loads (BLC 96 : Maintenance Load, Lv (Pos. 22))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-240	Y	-250	0

Member Point Loads (BLC 97 : Maintenance Load, Lv (Pos. 23))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-240	Y	-250	%50

Member Point Loads (BLC 98 : Maintenance Load, Lv (Pos. 24))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-240	Y	-250	%100

Member Point Loads (BLC 175 : Antenna Dead Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	Y	-12.4	%27.76
2	MP3	Y	-12.4	%72.24
3	MP1	Y	-61.4	%6.302
4	MP1	Y	-61.4	%93.698
5	MP2	Y	-41.6	%37.344
6	MP2	Y	-41.6	%62.656
7	MP7	Y	-12.4	%27.76
8	MP7	Y	-12.4	%72.24
9	MP5	Y	-61.4	%6.302
10	MP5	Y	-61.4	%93.698
11	MP6	Y	-41.6	%37.344
12	MP6	Y	-41.6	%62.656
13	MP11	Y	-12.4	%27.76
14	MP11	Y	-12.4	%72.24
15	MP9	Y	-61.4	%6.302
16	MP9	Y	-61.4	%93.698
17	MP10	Y	-41.6	%37.344
18	MP10	Y	-41.6	%62.656

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	88.8	%27.76
2	MP3	X	88.8	%72.24
3	MP1	X	305.5	%6.302
4	MP1	X	305.5	%93.698
5	MP2	X	95.4	%37.344
6	MP2	X	95.4	%62.656
7	MP7	X	53.1	%27.76
8	MP7	X	53.1	%72.24
9	MP5	X	175.2	%6.302
10	MP5	X	175.2	%93.698
11	MP6	X	56.4	%37.344
12	MP6	X	56.4	%62.656
13	MP11	X	53.1	%27.76
14	MP11	X	53.1	%72.24
15	MP9	X	175.2	%6.302
16	MP9	X	175.2	%93.698
17	MP10	X	56.4	%37.344



Member Point Loads (BLC 176 : Antenna Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
18	MP10	X	56.4	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	66.6	%27.76
2	MP3	X	66.6	%72.24
3	MP1	X	227	%6.302
4	MP1	X	227	%93.698
5	MP2	X	71.4	%37.344
6	MP2	X	71.4	%62.656
7	MP7	X	35.7	%27.76
8	MP7	X	35.7	%72.24
9	MP5	X	114.1	%6.302
10	MP5	X	114.1	%93.698
11	MP6	X	37.6	%37.344
12	MP6	X	37.6	%62.656
13	MP11	X	66.6	%27.76
14	MP11	X	66.6	%72.24
15	MP9	X	227	%6.302
16	MP9	X	227	%93.698
17	MP10	X	71.4	%37.344
18	MP10	X	71.4	%62.656
19	MP3	Z	38.5	%27.76
20	MP3	Z	38.5	%72.24
21	MP1	Z	131	%6.302
22	MP1	Z	131	%93.698
23	MP2	Z	41.2	%37.344
24	MP2	Z	41.2	%62.656
25	MP7	Z	20.6	%27.76
26	MP7	Z	20.6	%72.24
27	MP5	Z	65.9	%6.302
28	MP5	Z	65.9	%93.698
29	MP6	Z	21.7	%37.344
30	MP6	Z	21.7	%62.656
31	MP11	Z	38.5	%27.76
32	MP11	Z	38.5	%72.24
33	MP9	Z	131	%6.302
34	MP9	Z	131	%93.698



Member Point Loads (BLC 177 : Antenna Wind Load (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
35	MP10	Z	41.2	%37.344
36	MP10	Z	41.2	%62.656

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	26.6	%27.76
2	MP3	X	26.6	%72.24
3	MP1	X	87.6	%6.302
4	MP1	X	87.6	%93.698
5	MP2	X	28.2	%37.344
6	MP2	X	28.2	%62.656
7	MP7	X	26.6	%27.76
8	MP7	X	26.6	%72.24
9	MP5	X	87.6	%6.302
10	MP5	X	87.6	%93.698
11	MP6	X	28.2	%37.344
12	MP6	X	28.2	%62.656
13	MP11	X	44.4	%27.76
14	MP11	X	44.4	%72.24
15	MP9	X	152.7	%6.302
16	MP9	X	152.7	%93.698
17	MP10	X	47.7	%37.344
18	MP10	X	47.7	%62.656
19	MP3	Z	46	%27.76
20	MP3	Z	46	%72.24
21	MP1	Z	151.7	%6.302
22	MP1	Z	151.7	%93.698
23	MP2	Z	48.9	%37.344
24	MP2	Z	48.9	%62.656
25	MP7	Z	46	%27.76
26	MP7	Z	46	%72.24
27	MP5	Z	151.7	%6.302
28	MP5	Z	151.7	%93.698
29	MP6	Z	48.9	%37.344
30	MP6	Z	48.9	%62.656
31	MP11	Z	76.9	%27.76
32	MP11	Z	76.9	%72.24
33	MP9	Z	264.6	%6.302
34	MP9	Z	264.6	%93.698
35	MP10	Z	82.6	%37.344
36	MP10	Z	82.6	%62.656

Member Point Loads (BLC 179 : Antenna Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0



Member Point Loads (BLC 179 : Antenna Wind Load (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	41.2	%27.76
20	MP3	Z	41.2	%72.24
21	MP1	Z	131.8	%6.302
22	MP1	Z	131.8	%93.698
23	MP2	Z	43.4	%37.344
24	MP2	Z	43.4	%62.656
25	MP7	Z	76.9	%27.76
26	MP7	Z	76.9	%72.24
27	MP5	Z	262.1	%6.302
28	MP5	Z	262.1	%93.698
29	MP6	Z	82.4	%37.344
30	MP6	Z	82.4	%62.656
31	MP11	Z	76.9	%27.76
32	MP11	Z	76.9	%72.24
33	MP9	Z	262.1	%6.302
34	MP9	Z	262.1	%93.698
35	MP10	Z	82.4	%37.344
36	MP10	Z	82.4	%62.656

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	-26.6	%27.76
2	MP3	X	-26.6	%72.24
3	MP1	X	-87.6	%6.302
4	MP1	X	-87.6	%93.698
5	MP2	X	-28.2	%37.344
6	MP2	X	-28.2	%62.656
7	MP7	X	-44.4	%27.76
8	MP7	X	-44.4	%72.24
9	MP5	X	-152.7	%6.302
10	MP5	X	-152.7	%93.698
11	MP6	X	-47.7	%37.344
12	MP6	X	-47.7	%62.656
13	MP11	X	-26.6	%27.76
14	MP11	X	-26.6	%72.24
15	MP9	X	-87.6	%6.302
16	MP9	X	-87.6	%93.698
17	MP10	X	-28.2	%37.344
18	MP10	X	-28.2	%62.656
19	MP3	Z	46	%27.76
20	MP3	Z	46	%72.24
21	MP1	Z	151.7	%6.302
22	MP1	Z	151.7	%93.698
23	MP2	Z	48.9	%37.344
24	MP2	Z	48.9	%62.656
25	MP7	Z	76.9	%27.76
26	MP7	Z	76.9	%72.24
27	MP5	Z	264.6	%6.302
28	MP5	Z	264.6	%93.698
29	MP6	Z	82.6	%37.344



Member Point Loads (BLC 180 : Antenna Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
30	MP6	Z	82.6	%62.656
31	MP11	Z	46	%27.76
32	MP11	Z	46	%72.24
33	MP9	Z	151.7	%6.302
34	MP9	Z	151.7	%93.698
35	MP10	Z	48.9	%37.344
36	MP10	Z	48.9	%62.656

Member Point Loads (BLC 181 : Antenna Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-66.6	%27.76
2	MP3	X	-66.6	%72.24
3	MP1	X	-227	%6.302
4	MP1	X	-227	%93.698
5	MP2	X	-71.4	%37.344
6	MP2	X	-71.4	%62.656
7	MP7	X	-66.6	%27.76
8	MP7	X	-66.6	%72.24
9	MP5	X	-227	%6.302
10	MP5	X	-227	%93.698
11	MP6	X	-71.4	%37.344
12	MP6	X	-71.4	%62.656
13	MP11	X	-35.7	%27.76
14	MP11	X	-35.7	%72.24
15	MP9	X	-114.1	%6.302
16	MP9	X	-114.1	%93.698
17	MP10	X	-37.6	%37.344
18	MP10	X	-37.6	%62.656
19	MP3	Z	38.5	%27.76
20	MP3	Z	38.5	%72.24
21	MP1	Z	131	%6.302
22	MP1	Z	131	%93.698
23	MP2	Z	41.2	%37.344
24	MP2	Z	41.2	%62.656
25	MP7	Z	38.5	%27.76
26	MP7	Z	38.5	%72.24
27	MP5	Z	131	%6.302
28	MP5	Z	131	%93.698
29	MP6	Z	41.2	%37.344
30	MP6	Z	41.2	%62.656
31	MP11	Z	20.6	%27.76
32	MP11	Z	20.6	%72.24
33	MP9	Z	65.9	%6.302
34	MP9	Z	65.9	%93.698
35	MP10	Z	21.7	%37.344
36	MP10	Z	21.7	%62.656

Member Point Loads (BLC 182 : Antenna Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-88.8	%27.76
2	MP3	X	-88.8	%72.24
3	MP1	X	-305.5	%6.302
4	MP1	X	-305.5	%93.698
5	MP2	X	-95.4	%37.344
6	MP2	X	-95.4	%62.656
7	MP7	X	-53.1	%27.76



Member Point Loads (BLC 182 : Antenna Wind Load (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
8	MP7	X	-53.1	%72.24
9	MP5	X	-175.2	%6.302
10	MP5	X	-175.2	%93.698
11	MP6	X	-56.4	%37.344
12	MP6	X	-56.4	%62.656
13	MP11	X	-53.1	%27.76
14	MP11	X	-53.1	%72.24
15	MP9	X	-175.2	%6.302
16	MP9	X	-175.2	%93.698
17	MP10	X	-56.4	%37.344
18	MP10	X	-56.4	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 183 : Antenna Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	-66.6	%27.76
2	MP3	X	-66.6	%72.24
3	MP1	X	-227	%6.302
4	MP1	X	-227	%93.698
5	MP2	X	-71.4	%37.344
6	MP2	X	-71.4	%62.656
7	MP7	X	-35.7	%27.76
8	MP7	X	-35.7	%72.24
9	MP5	X	-114.1	%6.302
10	MP5	X	-114.1	%93.698
11	MP6	X	-37.6	%37.344
12	MP6	X	-37.6	%62.656
13	MP11	X	-66.6	%27.76
14	MP11	X	-66.6	%72.24
15	MP9	X	-227	%6.302
16	MP9	X	-227	%93.698
17	MP10	X	-71.4	%37.344
18	MP10	X	-71.4	%62.656
19	MP3	Z	-38.5	%27.76
20	MP3	Z	-38.5	%72.24
21	MP1	Z	-131	%6.302
22	MP1	Z	-131	%93.698
23	MP2	Z	-41.2	%37.344
24	MP2	Z	-41.2	%62.656



Member Point Loads (BLC 183 : Antenna Wind Load (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
25	MP7	Z	-20.6	%27.76
26	MP7	Z	-20.6	%72.24
27	MP5	Z	-65.9	%6.302
28	MP5	Z	-65.9	%93.698
29	MP6	Z	-21.7	%37.344
30	MP6	Z	-21.7	%62.656
31	MP11	Z	-38.5	%27.76
32	MP11	Z	-38.5	%72.24
33	MP9	Z	-131	%6.302
34	MP9	Z	-131	%93.698
35	MP10	Z	-41.2	%37.344
36	MP10	Z	-41.2	%62.656

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-26.6	%27.76
2	MP3	X	-26.6	%72.24
3	MP1	X	-87.6	%6.302
4	MP1	X	-87.6	%93.698
5	MP2	X	-28.2	%37.344
6	MP2	X	-28.2	%62.656
7	MP7	X	-26.6	%27.76
8	MP7	X	-26.6	%72.24
9	MP5	X	-87.6	%6.302
10	MP5	X	-87.6	%93.698
11	MP6	X	-28.2	%37.344
12	MP6	X	-28.2	%62.656
13	MP11	X	-44.4	%27.76
14	MP11	X	-44.4	%72.24
15	MP9	X	-152.7	%6.302
16	MP9	X	-152.7	%93.698
17	MP10	X	-47.7	%37.344
18	MP10	X	-47.7	%62.656
19	MP3	Z	-46	%27.76
20	MP3	Z	-46	%72.24
21	MP1	Z	-151.7	%6.302
22	MP1	Z	-151.7	%93.698
23	MP2	Z	-48.9	%37.344
24	MP2	Z	-48.9	%62.656
25	MP7	Z	-46	%27.76
26	MP7	Z	-46	%72.24
27	MP5	Z	-151.7	%6.302
28	MP5	Z	-151.7	%93.698
29	MP6	Z	-48.9	%37.344
30	MP6	Z	-48.9	%62.656
31	MP11	Z	-76.9	%27.76
32	MP11	Z	-76.9	%72.24
33	MP9	Z	-264.6	%6.302
34	MP9	Z	-264.6	%93.698
35	MP10	Z	-82.6	%37.344
36	MP10	Z	-82.6	%62.656

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	0	0
2	MP3	X	0	0



Member Point Loads (BLC 185 : Antenna Wind Load (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	-41.2	%27.76
20	MP3	Z	-41.2	%72.24
21	MP1	Z	-131.8	%6.302
22	MP1	Z	-131.8	%93.698
23	MP2	Z	-43.4	%37.344
24	MP2	Z	-43.4	%62.656
25	MP7	Z	-76.9	%27.76
26	MP7	Z	-76.9	%72.24
27	MP5	Z	-262.1	%6.302
28	MP5	Z	-262.1	%93.698
29	MP6	Z	-82.4	%37.344
30	MP6	Z	-82.4	%62.656
31	MP11	Z	-76.9	%27.76
32	MP11	Z	-76.9	%72.24
33	MP9	Z	-262.1	%6.302
34	MP9	Z	-262.1	%93.698
35	MP10	Z	-82.4	%37.344
36	MP10	Z	-82.4	%62.656

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	26.6	%27.76
2	MP3	X	26.6	%72.24
3	MP1	X	87.6	%6.302
4	MP1	X	87.6	%93.698
5	MP2	X	28.2	%37.344
6	MP2	X	28.2	%62.656
7	MP7	X	44.4	%27.76
8	MP7	X	44.4	%72.24
9	MP5	X	152.7	%6.302
10	MP5	X	152.7	%93.698
11	MP6	X	47.7	%37.344
12	MP6	X	47.7	%62.656
13	MP11	X	26.6	%27.76
14	MP11	X	26.6	%72.24
15	MP9	X	87.6	%6.302
16	MP9	X	87.6	%93.698
17	MP10	X	28.2	%37.344
18	MP10	X	28.2	%62.656
19	MP3	Z	-46	%27.76



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
20	MP3	Z	-46	%72.24
21	MP1	Z	-151.7	%6.302
22	MP1	Z	-151.7	%93.698
23	MP2	Z	-48.9	%37.344
24	MP2	Z	-48.9	%62.656
25	MP7	Z	-76.9	%27.76
26	MP7	Z	-76.9	%72.24
27	MP5	Z	-264.6	%6.302
28	MP5	Z	-264.6	%93.698
29	MP6	Z	-82.6	%37.344
30	MP6	Z	-82.6	%62.656
31	MP11	Z	-46	%27.76
32	MP11	Z	-46	%72.24
33	MP9	Z	-151.7	%6.302
34	MP9	Z	-151.7	%93.698
35	MP10	Z	-48.9	%37.344
36	MP10	Z	-48.9	%62.656

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	66.6	%27.76
2	MP3	X	66.6	%72.24
3	MP1	X	227	%6.302
4	MP1	X	227	%93.698
5	MP2	X	71.4	%37.344
6	MP2	X	71.4	%62.656
7	MP7	X	66.6	%27.76
8	MP7	X	66.6	%72.24
9	MP5	X	227	%6.302
10	MP5	X	227	%93.698
11	MP6	X	71.4	%37.344
12	MP6	X	71.4	%62.656
13	MP11	X	35.7	%27.76
14	MP11	X	35.7	%72.24
15	MP9	X	114.1	%6.302
16	MP9	X	114.1	%93.698
17	MP10	X	37.6	%37.344
18	MP10	X	37.6	%62.656
19	MP3	Z	-38.5	%27.76
20	MP3	Z	-38.5	%72.24
21	MP1	Z	-131	%6.302
22	MP1	Z	-131	%93.698
23	MP2	Z	-41.2	%37.344
24	MP2	Z	-41.2	%62.656
25	MP7	Z	-38.5	%27.76
26	MP7	Z	-38.5	%72.24
27	MP5	Z	-131	%6.302
28	MP5	Z	-131	%93.698
29	MP6	Z	-41.2	%37.344
30	MP6	Z	-41.2	%62.656
31	MP11	Z	-20.6	%27.76
32	MP11	Z	-20.6	%72.24
33	MP9	Z	-65.9	%6.302
34	MP9	Z	-65.9	%93.698
35	MP10	Z	-21.7	%37.344
36	MP10	Z	-21.7	%62.656



Member Point Loads (BLC 188 : Antenna Ice Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	Y	-44.9	%27.76
2	MP3	Y	-44.9	%72.24
3	MP1	Y	-149.6	%6.302
4	MP1	Y	-149.6	%93.698
5	MP2	Y	-50.9	%37.344
6	MP2	Y	-50.9	%62.656
7	MP7	Y	-44.9	%27.76
8	MP7	Y	-44.9	%72.24
9	MP5	Y	-149.6	%6.302
10	MP5	Y	-149.6	%93.698
11	MP6	Y	-50.9	%37.344
12	MP6	Y	-50.9	%62.656
13	MP11	Y	-44.9	%27.76
14	MP11	Y	-44.9	%72.24
15	MP9	Y	-149.6	%6.302
16	MP9	Y	-149.6	%93.698
17	MP10	Y	-50.9	%37.344
18	MP10	Y	-50.9	%62.656

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	18.4	%27.76
2	MP3	X	18.4	%72.24
3	MP1	X	60.5	%6.302
4	MP1	X	60.5	%93.698
5	MP2	X	19.3	%37.344
6	MP2	X	19.3	%62.656
7	MP7	X	11.7	%27.76
8	MP7	X	11.7	%72.24
9	MP5	X	36	%6.302
10	MP5	X	36	%93.698
11	MP6	X	12	%37.344
12	MP6	X	12	%62.656
13	MP11	X	11.7	%27.76
14	MP11	X	11.7	%72.24
15	MP9	X	36	%6.302
16	MP9	X	36	%93.698
17	MP10	X	12	%37.344
18	MP10	X	12	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0



Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
36	MP10	Z	0	0

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	14	%27.76
2	MP3	X	14	%72.24
3	MP1	X	45.3	%6.302
4	MP1	X	45.3	%93.698
5	MP2	X	14.6	%37.344
6	MP2	X	14.6	%62.656
7	MP7	X	8.2	%27.76
8	MP7	X	8.2	%72.24
9	MP5	X	24.1	%6.302
10	MP5	X	24.1	%93.698
11	MP6	X	8.3	%37.344
12	MP6	X	8.3	%62.656
13	MP11	X	14	%27.76
14	MP11	X	14	%72.24
15	MP9	X	45.3	%6.302
16	MP9	X	45.3	%93.698
17	MP10	X	14.6	%37.344
18	MP10	X	14.6	%62.656
19	MP3	Z	8.1	%27.76
20	MP3	Z	8.1	%72.24
21	MP1	Z	26.2	%6.302
22	MP1	Z	26.2	%93.698
23	MP2	Z	8.4	%37.344
24	MP2	Z	8.4	%62.656
25	MP7	Z	4.8	%27.76
26	MP7	Z	4.8	%72.24
27	MP5	Z	13.9	%6.302
28	MP5	Z	13.9	%93.698
29	MP6	Z	4.8	%37.344
30	MP6	Z	4.8	%62.656
31	MP11	Z	8.1	%27.76
32	MP11	Z	8.1	%72.24
33	MP9	Z	26.2	%6.302
34	MP9	Z	26.2	%93.698
35	MP10	Z	8.4	%37.344
36	MP10	Z	8.4	%62.656

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	5.9	%27.76
2	MP3	X	5.9	%72.24
3	MP1	X	18	%6.302
4	MP1	X	18	%93.698
5	MP2	X	6	%37.344
6	MP2	X	6	%62.656
7	MP7	X	5.9	%27.76
8	MP7	X	5.9	%72.24
9	MP5	X	18	%6.302
10	MP5	X	18	%93.698
11	MP6	X	6	%37.344
12	MP6	X	6	%62.656
13	MP11	X	9.2	%27.76



Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
14	MP11	X	9.2	%72.24
15	MP9	X	30.2	%6.302
16	MP9	X	30.2	%93.698
17	MP10	X	9.6	%37.344
18	MP10	X	9.6	%62.656
19	MP3	Z	10.2	%27.76
20	MP3	Z	10.2	%72.24
21	MP1	Z	31.2	%6.302
22	MP1	Z	31.2	%93.698
23	MP2	Z	10.4	%37.344
24	MP2	Z	10.4	%62.656
25	MP7	Z	10.2	%27.76
26	MP7	Z	10.2	%72.24
27	MP5	Z	31.2	%6.302
28	MP5	Z	31.2	%93.698
29	MP6	Z	10.4	%37.344
30	MP6	Z	10.4	%62.656
31	MP11	Z	15.9	%27.76
32	MP11	Z	15.9	%72.24
33	MP9	Z	52.4	%6.302
34	MP9	Z	52.4	%93.698
35	MP10	Z	16.7	%37.344
36	MP10	Z	16.7	%62.656

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	9.5	%27.76
20	MP3	Z	9.5	%72.24
21	MP1	Z	27.9	%6.302
22	MP1	Z	27.9	%93.698
23	MP2	Z	9.6	%37.344
24	MP2	Z	9.6	%62.656
25	MP7	Z	16.2	%27.76
26	MP7	Z	16.2	%72.24
27	MP5	Z	52.3	%6.302
28	MP5	Z	52.3	%93.698
29	MP6	Z	16.9	%37.344
30	MP6	Z	16.9	%62.656



Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
31	MP11	Z	16.2	%27.76
32	MP11	Z	16.2	%72.24
33	MP9	Z	52.3	%6.302
34	MP9	Z	52.3	%93.698
35	MP10	Z	16.9	%37.344
36	MP10	Z	16.9	%62.656

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	-5.9	%27.76
2	MP3	X	-5.9	%72.24
3	MP1	X	-18	%6.302
4	MP1	X	-18	%93.698
5	MP2	X	-6	%37.344
6	MP2	X	-6	%62.656
7	MP7	X	-9.2	%27.76
8	MP7	X	-9.2	%72.24
9	MP5	X	-30.2	%6.302
10	MP5	X	-30.2	%93.698
11	MP6	X	-9.6	%37.344
12	MP6	X	-9.6	%62.656
13	MP11	X	-5.9	%27.76
14	MP11	X	-5.9	%72.24
15	MP9	X	-18	%6.302
16	MP9	X	-18	%93.698
17	MP10	X	-6	%37.344
18	MP10	X	-6	%62.656
19	MP3	Z	10.2	%27.76
20	MP3	Z	10.2	%72.24
21	MP1	Z	31.2	%6.302
22	MP1	Z	31.2	%93.698
23	MP2	Z	10.4	%37.344
24	MP2	Z	10.4	%62.656
25	MP7	Z	15.9	%27.76
26	MP7	Z	15.9	%72.24
27	MP5	Z	52.4	%6.302
28	MP5	Z	52.4	%93.698
29	MP6	Z	16.7	%37.344
30	MP6	Z	16.7	%62.656
31	MP11	Z	10.2	%27.76
32	MP11	Z	10.2	%72.24
33	MP9	Z	31.2	%6.302
34	MP9	Z	31.2	%93.698
35	MP10	Z	10.4	%37.344
36	MP10	Z	10.4	%62.656

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	-14	%27.76
2	MP3	X	-14	%72.24
3	MP1	X	-45.3	%6.302
4	MP1	X	-45.3	%93.698
5	MP2	X	-14.6	%37.344
6	MP2	X	-14.6	%62.656
7	MP7	X	-14	%27.76
8	MP7	X	-14	%72.24



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
9	MP5	X	-45.3	%6.302
10	MP5	X	-45.3	%93.698
11	MP6	X	-14.6	%37.344
12	MP6	X	-14.6	%62.656
13	MP11	X	-8.2	%27.76
14	MP11	X	-8.2	%72.24
15	MP9	X	-24.1	%6.302
16	MP9	X	-24.1	%93.698
17	MP10	X	-8.3	%37.344
18	MP10	X	-8.3	%62.656
19	MP3	Z	8.1	%27.76
20	MP3	Z	8.1	%72.24
21	MP1	Z	26.2	%6.302
22	MP1	Z	26.2	%93.698
23	MP2	Z	8.4	%37.344
24	MP2	Z	8.4	%62.656
25	MP7	Z	8.1	%27.76
26	MP7	Z	8.1	%72.24
27	MP5	Z	26.2	%6.302
28	MP5	Z	26.2	%93.698
29	MP6	Z	8.4	%37.344
30	MP6	Z	8.4	%62.656
31	MP11	Z	4.8	%27.76
32	MP11	Z	4.8	%72.24
33	MP9	Z	13.9	%6.302
34	MP9	Z	13.9	%93.698
35	MP10	Z	4.8	%37.344
36	MP10	Z	4.8	%62.656

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	-18.4	%27.76
2	MP3	X	-18.4	%72.24
3	MP1	X	-60.5	%6.302
4	MP1	X	-60.5	%93.698
5	MP2	X	-19.3	%37.344
6	MP2	X	-19.3	%62.656
7	MP7	X	-11.7	%27.76
8	MP7	X	-11.7	%72.24
9	MP5	X	-36	%6.302
10	MP5	X	-36	%93.698
11	MP6	X	-12	%37.344
12	MP6	X	-12	%62.656
13	MP11	X	-11.7	%27.76
14	MP11	X	-11.7	%72.24
15	MP9	X	-36	%6.302
16	MP9	X	-36	%93.698
17	MP10	X	-12	%37.344
18	MP10	X	-12	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0



Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-14	%27.76
2	MP3	X	-14	%72.24
3	MP1	X	-45.3	%6.302
4	MP1	X	-45.3	%93.698
5	MP2	X	-14.6	%37.344
6	MP2	X	-14.6	%62.656
7	MP7	X	-8.2	%27.76
8	MP7	X	-8.2	%72.24
9	MP5	X	-24.1	%6.302
10	MP5	X	-24.1	%93.698
11	MP6	X	-8.3	%37.344
12	MP6	X	-8.3	%62.656
13	MP11	X	-14	%27.76
14	MP11	X	-14	%72.24
15	MP9	X	-45.3	%6.302
16	MP9	X	-45.3	%93.698
17	MP10	X	-14.6	%37.344
18	MP10	X	-14.6	%62.656
19	MP3	Z	-8.1	%27.76
20	MP3	Z	-8.1	%72.24
21	MP1	Z	-26.2	%6.302
22	MP1	Z	-26.2	%93.698
23	MP2	Z	-8.4	%37.344
24	MP2	Z	-8.4	%62.656
25	MP7	Z	-4.8	%27.76
26	MP7	Z	-4.8	%72.24
27	MP5	Z	-13.9	%6.302
28	MP5	Z	-13.9	%93.698
29	MP6	Z	-4.8	%37.344
30	MP6	Z	-4.8	%62.656
31	MP11	Z	-8.1	%27.76
32	MP11	Z	-8.1	%72.24
33	MP9	Z	-26.2	%6.302
34	MP9	Z	-26.2	%93.698
35	MP10	Z	-8.4	%37.344
36	MP10	Z	-8.4	%62.656

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-5.9	%27.76
2	MP3	X	-5.9	%72.24
3	MP1	X	-18	%6.302



Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
4	MP1	X	-18	%93.698
5	MP2	X	-6	%37.344
6	MP2	X	-6	%62.656
7	MP7	X	-5.9	%27.76
8	MP7	X	-5.9	%72.24
9	MP5	X	-18	%6.302
10	MP5	X	-18	%93.698
11	MP6	X	-6	%37.344
12	MP6	X	-6	%62.656
13	MP11	X	-9.2	%27.76
14	MP11	X	-9.2	%72.24
15	MP9	X	-30.2	%6.302
16	MP9	X	-30.2	%93.698
17	MP10	X	-9.6	%37.344
18	MP10	X	-9.6	%62.656
19	MP3	Z	-10.2	%27.76
20	MP3	Z	-10.2	%72.24
21	MP1	Z	-31.2	%6.302
22	MP1	Z	-31.2	%93.698
23	MP2	Z	-10.4	%37.344
24	MP2	Z	-10.4	%62.656
25	MP7	Z	-10.2	%27.76
26	MP7	Z	-10.2	%72.24
27	MP5	Z	-31.2	%6.302
28	MP5	Z	-31.2	%93.698
29	MP6	Z	-10.4	%37.344
30	MP6	Z	-10.4	%62.656
31	MP11	Z	-15.9	%27.76
32	MP11	Z	-15.9	%72.24
33	MP9	Z	-52.4	%6.302
34	MP9	Z	-52.4	%93.698
35	MP10	Z	-16.7	%37.344
36	MP10	Z	-16.7	%62.656

Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	-9.5	%27.76
20	MP3	Z	-9.5	%72.24



Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
21	MP1	Z	-27.9	%6.302
22	MP1	Z	-27.9	%93.698
23	MP2	Z	-9.6	%37.344
24	MP2	Z	-9.6	%62.656
25	MP7	Z	-16.2	%27.76
26	MP7	Z	-16.2	%72.24
27	MP5	Z	-52.3	%6.302
28	MP5	Z	-52.3	%93.698
29	MP6	Z	-16.9	%37.344
30	MP6	Z	-16.9	%62.656
31	MP11	Z	-16.2	%27.76
32	MP11	Z	-16.2	%72.24
33	MP9	Z	-52.3	%6.302
34	MP9	Z	-52.3	%93.698
35	MP10	Z	-16.9	%37.344
36	MP10	Z	-16.9	%62.656

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	5.9	%27.76
2	MP3	X	5.9	%72.24
3	MP1	X	18	%6.302
4	MP1	X	18	%93.698
5	MP2	X	6	%37.344
6	MP2	X	6	%62.656
7	MP7	X	9.2	%27.76
8	MP7	X	9.2	%72.24
9	MP5	X	30.2	%6.302
10	MP5	X	30.2	%93.698
11	MP6	X	9.6	%37.344
12	MP6	X	9.6	%62.656
13	MP11	X	5.9	%27.76
14	MP11	X	5.9	%72.24
15	MP9	X	18	%6.302
16	MP9	X	18	%93.698
17	MP10	X	6	%37.344
18	MP10	X	6	%62.656
19	MP3	Z	-10.2	%27.76
20	MP3	Z	-10.2	%72.24
21	MP1	Z	-31.2	%6.302
22	MP1	Z	-31.2	%93.698
23	MP2	Z	-10.4	%37.344
24	MP2	Z	-10.4	%62.656
25	MP7	Z	-15.9	%27.76
26	MP7	Z	-15.9	%72.24
27	MP5	Z	-52.4	%6.302
28	MP5	Z	-52.4	%93.698
29	MP6	Z	-16.7	%37.344
30	MP6	Z	-16.7	%62.656
31	MP11	Z	-10.2	%27.76
32	MP11	Z	-10.2	%72.24
33	MP9	Z	-31.2	%6.302
34	MP9	Z	-31.2	%93.698
35	MP10	Z	-10.4	%37.344
36	MP10	Z	-10.4	%62.656



Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	14	%27.76
2	MP3	X	14	%72.24
3	MP1	X	45.3	%6.302
4	MP1	X	45.3	%93.698
5	MP2	X	14.6	%37.344
6	MP2	X	14.6	%62.656
7	MP7	X	14	%27.76
8	MP7	X	14	%72.24
9	MP5	X	45.3	%6.302
10	MP5	X	45.3	%93.698
11	MP6	X	14.6	%37.344
12	MP6	X	14.6	%62.656
13	MP11	X	8.2	%27.76
14	MP11	X	8.2	%72.24
15	MP9	X	24.1	%6.302
16	MP9	X	24.1	%93.698
17	MP10	X	8.3	%37.344
18	MP10	X	8.3	%62.656
19	MP3	Z	-8.1	%27.76
20	MP3	Z	-8.1	%72.24
21	MP1	Z	-26.2	%6.302
22	MP1	Z	-26.2	%93.698
23	MP2	Z	-8.4	%37.344
24	MP2	Z	-8.4	%62.656
25	MP7	Z	-8.1	%27.76
26	MP7	Z	-8.1	%72.24
27	MP5	Z	-26.2	%6.302
28	MP5	Z	-26.2	%93.698
29	MP6	Z	-8.4	%37.344
30	MP6	Z	-8.4	%62.656
31	MP11	Z	-4.8	%27.76
32	MP11	Z	-4.8	%72.24
33	MP9	Z	-13.9	%6.302
34	MP9	Z	-13.9	%93.698
35	MP10	Z	-4.8	%37.344
36	MP10	Z	-4.8	%62.656

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	12.4	%27.76
2	MP3	X	12.4	%72.24
3	MP1	X	61.4	%6.302
4	MP1	X	61.4	%93.698
5	MP2	X	41.6	%37.344
6	MP2	X	41.6	%62.656
7	MP7	X	12.4	%27.76
8	MP7	X	12.4	%72.24
9	MP5	X	61.4	%6.302
10	MP5	X	61.4	%93.698
11	MP6	X	41.6	%37.344
12	MP6	X	41.6	%62.656
13	MP11	X	12.4	%27.76
14	MP11	X	12.4	%72.24
15	MP9	X	61.4	%6.302
16	MP9	X	61.4	%93.698
17	MP10	X	41.6	%37.344



Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
18	MP10	X	41.6	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	10.7	%27.76
2	MP3	X	10.7	%72.24
3	MP1	X	53.2	%6.302
4	MP1	X	53.2	%93.698
5	MP2	X	36.1	%37.344
6	MP2	X	36.1	%62.656
7	MP7	X	10.7	%27.76
8	MP7	X	10.7	%72.24
9	MP5	X	53.2	%6.302
10	MP5	X	53.2	%93.698
11	MP6	X	36.1	%37.344
12	MP6	X	36.1	%62.656
13	MP11	X	10.7	%27.76
14	MP11	X	10.7	%72.24
15	MP9	X	53.2	%6.302
16	MP9	X	53.2	%93.698
17	MP10	X	36.1	%37.344
18	MP10	X	36.1	%62.656
19	MP3	Z	6.2	%27.76
20	MP3	Z	6.2	%72.24
21	MP1	Z	30.7	%6.302
22	MP1	Z	30.7	%93.698
23	MP2	Z	20.8	%37.344
24	MP2	Z	20.8	%62.656
25	MP7	Z	6.2	%27.76
26	MP7	Z	6.2	%72.24
27	MP5	Z	30.7	%6.302
28	MP5	Z	30.7	%93.698
29	MP6	Z	20.8	%37.344
30	MP6	Z	20.8	%62.656
31	MP11	Z	6.2	%27.76
32	MP11	Z	6.2	%72.24
33	MP9	Z	30.7	%6.302
34	MP9	Z	30.7	%93.698



Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
35	MP10	Z	20.8	%37.344
36	MP10	Z	20.8	%62.656

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	6.2	%27.76
2	MP3	X	6.2	%72.24
3	MP1	X	30.7	%6.302
4	MP1	X	30.7	%93.698
5	MP2	X	20.8	%37.344
6	MP2	X	20.8	%62.656
7	MP7	X	6.2	%27.76
8	MP7	X	6.2	%72.24
9	MP5	X	30.7	%6.302
10	MP5	X	30.7	%93.698
11	MP6	X	20.8	%37.344
12	MP6	X	20.8	%62.656
13	MP11	X	6.2	%27.76
14	MP11	X	6.2	%72.24
15	MP9	X	30.7	%6.302
16	MP9	X	30.7	%93.698
17	MP10	X	20.8	%37.344
18	MP10	X	20.8	%62.656
19	MP3	Z	10.7	%27.76
20	MP3	Z	10.7	%72.24
21	MP1	Z	53.2	%6.302
22	MP1	Z	53.2	%93.698
23	MP2	Z	36.1	%37.344
24	MP2	Z	36.1	%62.656
25	MP7	Z	10.7	%27.76
26	MP7	Z	10.7	%72.24
27	MP5	Z	53.2	%6.302
28	MP5	Z	53.2	%93.698
29	MP6	Z	36.1	%37.344
30	MP6	Z	36.1	%62.656
31	MP11	Z	10.7	%27.76
32	MP11	Z	10.7	%72.24
33	MP9	Z	53.2	%6.302
34	MP9	Z	53.2	%93.698
35	MP10	Z	36.1	%37.344
36	MP10	Z	36.1	%62.656

Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0



Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	12.4	%27.76
20	MP3	Z	12.4	%72.24
21	MP1	Z	61.4	%6.302
22	MP1	Z	61.4	%93.698
23	MP2	Z	41.6	%37.344
24	MP2	Z	41.6	%62.656
25	MP7	Z	12.4	%27.76
26	MP7	Z	12.4	%72.24
27	MP5	Z	61.4	%6.302
28	MP5	Z	61.4	%93.698
29	MP6	Z	41.6	%37.344
30	MP6	Z	41.6	%62.656
31	MP11	Z	12.4	%27.76
32	MP11	Z	12.4	%72.24
33	MP9	Z	61.4	%6.302
34	MP9	Z	61.4	%93.698
35	MP10	Z	41.6	%37.344
36	MP10	Z	41.6	%62.656

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	-6.2	%27.76
2	MP3	X	-6.2	%72.24
3	MP1	X	-30.7	%6.302
4	MP1	X	-30.7	%93.698
5	MP2	X	-20.8	%37.344
6	MP2	X	-20.8	%62.656
7	MP7	X	-6.2	%27.76
8	MP7	X	-6.2	%72.24
9	MP5	X	-30.7	%6.302
10	MP5	X	-30.7	%93.698
11	MP6	X	-20.8	%37.344
12	MP6	X	-20.8	%62.656
13	MP11	X	-6.2	%27.76
14	MP11	X	-6.2	%72.24
15	MP9	X	-30.7	%6.302
16	MP9	X	-30.7	%93.698
17	MP10	X	-20.8	%37.344
18	MP10	X	-20.8	%62.656
19	MP3	Z	10.7	%27.76
20	MP3	Z	10.7	%72.24
21	MP1	Z	53.2	%6.302
22	MP1	Z	53.2	%93.698
23	MP2	Z	36.1	%37.344
24	MP2	Z	36.1	%62.656
25	MP7	Z	10.7	%27.76
26	MP7	Z	10.7	%72.24
27	MP5	Z	53.2	%6.302
28	MP5	Z	53.2	%93.698
29	MP6	Z	36.1	%37.344



Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
30	MP6	Z	36.1	%62.656
31	MP11	Z	10.7	%27.76
32	MP11	Z	10.7	%72.24
33	MP9	Z	53.2	%6.302
34	MP9	Z	53.2	%93.698
35	MP10	Z	36.1	%37.344
36	MP10	Z	36.1	%62.656

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-10.7	%27.76
2	MP3	X	-10.7	%72.24
3	MP1	X	-53.2	%6.302
4	MP1	X	-53.2	%93.698
5	MP2	X	-36.1	%37.344
6	MP2	X	-36.1	%62.656
7	MP7	X	-10.7	%27.76
8	MP7	X	-10.7	%72.24
9	MP5	X	-53.2	%6.302
10	MP5	X	-53.2	%93.698
11	MP6	X	-36.1	%37.344
12	MP6	X	-36.1	%62.656
13	MP11	X	-10.7	%27.76
14	MP11	X	-10.7	%72.24
15	MP9	X	-53.2	%6.302
16	MP9	X	-53.2	%93.698
17	MP10	X	-36.1	%37.344
18	MP10	X	-36.1	%62.656
19	MP3	Z	6.2	%27.76
20	MP3	Z	6.2	%72.24
21	MP1	Z	30.7	%6.302
22	MP1	Z	30.7	%93.698
23	MP2	Z	20.8	%37.344
24	MP2	Z	20.8	%62.656
25	MP7	Z	6.2	%27.76
26	MP7	Z	6.2	%72.24
27	MP5	Z	30.7	%6.302
28	MP5	Z	30.7	%93.698
29	MP6	Z	20.8	%37.344
30	MP6	Z	20.8	%62.656
31	MP11	Z	6.2	%27.76
32	MP11	Z	6.2	%72.24
33	MP9	Z	30.7	%6.302
34	MP9	Z	30.7	%93.698
35	MP10	Z	20.8	%37.344
36	MP10	Z	20.8	%62.656

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-12.4	%27.76
2	MP3	X	-12.4	%72.24
3	MP1	X	-61.4	%6.302
4	MP1	X	-61.4	%93.698
5	MP2	X	-41.6	%37.344
6	MP2	X	-41.6	%62.656
7	MP7	X	-12.4	%27.76



Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
8	MP7	X	-12.4	%72.24
9	MP5	X	-61.4	%6.302
10	MP5	X	-61.4	%93.698
11	MP6	X	-41.6	%37.344
12	MP6	X	-41.6	%62.656
13	MP11	X	-12.4	%27.76
14	MP11	X	-12.4	%72.24
15	MP9	X	-61.4	%6.302
16	MP9	X	-61.4	%93.698
17	MP10	X	-41.6	%37.344
18	MP10	X	-41.6	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	-10.7	%27.76
2	MP3	X	-10.7	%72.24
3	MP1	X	-53.2	%6.302
4	MP1	X	-53.2	%93.698
5	MP2	X	-36.1	%37.344
6	MP2	X	-36.1	%62.656
7	MP7	X	-10.7	%27.76
8	MP7	X	-10.7	%72.24
9	MP5	X	-53.2	%6.302
10	MP5	X	-53.2	%93.698
11	MP6	X	-36.1	%37.344
12	MP6	X	-36.1	%62.656
13	MP11	X	-10.7	%27.76
14	MP11	X	-10.7	%72.24
15	MP9	X	-53.2	%6.302
16	MP9	X	-53.2	%93.698
17	MP10	X	-36.1	%37.344
18	MP10	X	-36.1	%62.656
19	MP3	Z	-6.2	%27.76
20	MP3	Z	-6.2	%72.24
21	MP1	Z	-30.7	%6.302
22	MP1	Z	-30.7	%93.698
23	MP2	Z	-20.8	%37.344
24	MP2	Z	-20.8	%62.656



Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
25	MP7	Z	-6.2	%27.76
26	MP7	Z	-6.2	%72.24
27	MP5	Z	-30.7	%6.302
28	MP5	Z	-30.7	%93.698
29	MP6	Z	-20.8	%37.344
30	MP6	Z	-20.8	%62.656
31	MP11	Z	-6.2	%27.76
32	MP11	Z	-6.2	%72.24
33	MP9	Z	-30.7	%6.302
34	MP9	Z	-30.7	%93.698
35	MP10	Z	-20.8	%37.344
36	MP10	Z	-20.8	%62.656

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-6.2	%27.76
2	MP3	X	-6.2	%72.24
3	MP1	X	-30.7	%6.302
4	MP1	X	-30.7	%93.698
5	MP2	X	-20.8	%37.344
6	MP2	X	-20.8	%62.656
7	MP7	X	-6.2	%27.76
8	MP7	X	-6.2	%72.24
9	MP5	X	-30.7	%6.302
10	MP5	X	-30.7	%93.698
11	MP6	X	-20.8	%37.344
12	MP6	X	-20.8	%62.656
13	MP11	X	-6.2	%27.76
14	MP11	X	-6.2	%72.24
15	MP9	X	-30.7	%6.302
16	MP9	X	-30.7	%93.698
17	MP10	X	-20.8	%37.344
18	MP10	X	-20.8	%62.656
19	MP3	Z	-10.7	%27.76
20	MP3	Z	-10.7	%72.24
21	MP1	Z	-53.2	%6.302
22	MP1	Z	-53.2	%93.698
23	MP2	Z	-36.1	%37.344
24	MP2	Z	-36.1	%62.656
25	MP7	Z	-10.7	%27.76
26	MP7	Z	-10.7	%72.24
27	MP5	Z	-53.2	%6.302
28	MP5	Z	-53.2	%93.698
29	MP6	Z	-36.1	%37.344
30	MP6	Z	-36.1	%62.656
31	MP11	Z	-10.7	%27.76
32	MP11	Z	-10.7	%72.24
33	MP9	Z	-53.2	%6.302
34	MP9	Z	-53.2	%93.698
35	MP10	Z	-36.1	%37.344
36	MP10	Z	-36.1	%62.656

Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	0	0
2	MP3	X	0	0



Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	-12.4	%27.76
20	MP3	Z	-12.4	%72.24
21	MP1	Z	-61.4	%6.302
22	MP1	Z	-61.4	%93.698
23	MP2	Z	-41.6	%37.344
24	MP2	Z	-41.6	%62.656
25	MP7	Z	-12.4	%27.76
26	MP7	Z	-12.4	%72.24
27	MP5	Z	-61.4	%6.302
28	MP5	Z	-61.4	%93.698
29	MP6	Z	-41.6	%37.344
30	MP6	Z	-41.6	%62.656
31	MP11	Z	-12.4	%27.76
32	MP11	Z	-12.4	%72.24
33	MP9	Z	-61.4	%6.302
34	MP9	Z	-61.4	%93.698
35	MP10	Z	-41.6	%37.344
36	MP10	Z	-41.6	%62.656

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	6.2	%27.76
2	MP3	X	6.2	%72.24
3	MP1	X	30.7	%6.302
4	MP1	X	30.7	%93.698
5	MP2	X	20.8	%37.344
6	MP2	X	20.8	%62.656
7	MP7	X	6.2	%27.76
8	MP7	X	6.2	%72.24
9	MP5	X	30.7	%6.302
10	MP5	X	30.7	%93.698
11	MP6	X	20.8	%37.344
12	MP6	X	20.8	%62.656
13	MP11	X	6.2	%27.76
14	MP11	X	6.2	%72.24
15	MP9	X	30.7	%6.302
16	MP9	X	30.7	%93.698
17	MP10	X	20.8	%37.344
18	MP10	X	20.8	%62.656
19	MP3	Z	-10.7	%27.76



Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
20	MP3	Z	-10.7	%72.24
21	MP1	Z	-53.2	%6.302
22	MP1	Z	-53.2	%93.698
23	MP2	Z	-36.1	%37.344
24	MP2	Z	-36.1	%62.656
25	MP7	Z	-10.7	%27.76
26	MP7	Z	-10.7	%72.24
27	MP5	Z	-53.2	%6.302
28	MP5	Z	-53.2	%93.698
29	MP6	Z	-36.1	%37.344
30	MP6	Z	-36.1	%62.656
31	MP11	Z	-10.7	%27.76
32	MP11	Z	-10.7	%72.24
33	MP9	Z	-53.2	%6.302
34	MP9	Z	-53.2	%93.698
35	MP10	Z	-36.1	%37.344
36	MP10	Z	-36.1	%62.656

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	10.7	%27.76
2	MP3	X	10.7	%72.24
3	MP1	X	53.2	%6.302
4	MP1	X	53.2	%93.698
5	MP2	X	36.1	%37.344
6	MP2	X	36.1	%62.656
7	MP7	X	10.7	%27.76
8	MP7	X	10.7	%72.24
9	MP5	X	53.2	%6.302
10	MP5	X	53.2	%93.698
11	MP6	X	36.1	%37.344
12	MP6	X	36.1	%62.656
13	MP11	X	10.7	%27.76
14	MP11	X	10.7	%72.24
15	MP9	X	53.2	%6.302
16	MP9	X	53.2	%93.698
17	MP10	X	36.1	%37.344
18	MP10	X	36.1	%62.656
19	MP3	Z	-6.2	%27.76
20	MP3	Z	-6.2	%72.24
21	MP1	Z	-30.7	%6.302
22	MP1	Z	-30.7	%93.698
23	MP2	Z	-20.8	%37.344
24	MP2	Z	-20.8	%62.656
25	MP7	Z	-6.2	%27.76
26	MP7	Z	-6.2	%72.24
27	MP5	Z	-30.7	%6.302
28	MP5	Z	-30.7	%93.698
29	MP6	Z	-20.8	%37.344
30	MP6	Z	-20.8	%62.656
31	MP11	Z	-6.2	%27.76
32	MP11	Z	-6.2	%72.24
33	MP9	Z	-30.7	%6.302
34	MP9	Z	-30.7	%93.698
35	MP10	Z	-20.8	%37.344
36	MP10	Z	-20.8	%62.656



Member Distributed Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	5.3	5.3	0	0
2	BRACE-2	X	5.3	5.3	0	0
3	BRACE-3	X	10.6	10.6	0	0
4	CONN-PL-60-1	X	15.7	15.7	0	0
5	CONN-PL-60-2	X	15.7	15.7	0	0
6	CONN-PL-90-1	X	18.1	18.1	0	0
7	CONN-PL-90-2	X	18.1	18.1	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	9.1	9.1	0	0
11	CONN-PL-210-2	X	9.1	9.1	0	0
12	CONN-PL-300-1	X	15.7	15.7	0	0
13	CONN-PL-300-2	X	15.7	15.7	0	0
14	CONN-PL-330-1	X	9.1	9.1	0	0
15	CONN-PL-330-2	X	9.1	9.1	0	0
16	COR-1	X	4.2	4.2	0	0
17	COR-2	X	4.2	4.2	0	0
18	COR-3	X	8.3	8.3	0	0
19	COR-PL-90-1	X	18.1	18.1	0	0
20	COR-PL-90-2	X	18.1	18.1	0	0
21	COR-PL-90-3	X	18.1	18.1	0	0
22	COR-PL-90-4	X	18.1	18.1	0	0
23	COR-PL-210-1	X	9.1	9.1	0	0
24	COR-PL-210-2	X	9.1	9.1	0	0
25	COR-PL-210-3	X	9.1	9.1	0	0
26	COR-PL-210-4	X	9.1	9.1	0	0
27	COR-PL-330-1	X	9.1	9.1	0	0
28	COR-PL-330-2	X	9.1	9.1	0	0
29	COR-PL-330-3	X	9.1	9.1	0	0
30	COR-PL-330-4	X	9.1	9.1	0	0
31	FM-0	X	10.6	10.6	0	0
32	FM-120	X	5.3	5.3	0	0
33	FM-240	X	5.3	5.3	0	0
34	GRATE-H-90-1	X	10.1	10.1	0	0
35	GRATE-H-90-2	X	10.1	10.1	0	0
36	GRATE-H-210-1	X	5	5	0	0
37	GRATE-H-210-2	X	5	5	0	0
38	GRATE-H-330-1	X	5	5	0	0
39	GRATE-H-330-2	X	5	5	0	0
40	HR-0	X	7.2	7.2	0	0
41	HR-120	X	3.6	3.6	0	0
42	HR-240	X	3.6	3.6	0	0
43	KICK-1	X	20.5	20.5	0	0
44	KICK-2	X	20.5	20.5	0	0
45	KICK-3	X	20.5	20.5	0	0
46	KICK-PL-1	X	20.9	20.9	0	0
47	KICK-PL-2	X	24.1	24.1	0	0
48	KICK-PL-3	X	20.9	20.9	0	0
49	KICK-PL-4	X	24.1	24.1	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	24.1	24.1	0	0
52	SA-1	X	9.3	9.3	0	0
53	SA-2	X	9.3	9.3	0	0
54	SA-3	X	0	0	0	0
55	PL-90-1	X	18.1	18.1	0	0
56	PL-90-2	X	18.1	18.1	0	0



Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
57	PL-330-1	X	9.1	9.1	0	0
58	PL-330-2	X	9.1	9.1	0	0
59	PL-210-1	X	9.1	9.1	0	0
60	PL-210-2	X	9.1	9.1	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	0	0	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	0	0	0	0
67	CONN-PL-90-2	Z	0	0	0	0
68	CONN-PL-180-1	Z	0	0	0	0
69	CONN-PL-180-2	Z	0	0	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	0	0	0	0
104	KICK-2	Z	0	0	0	0
105	KICK-3	Z	0	0	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	0	0	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	0	0	0	0
110	KICK-PL-5	Z	0	0	0	0
111	KICK-PL-6	Z	0	0	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
114	SA-3	Z	0	0	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	8	8	0	0
3	BRACE-3	X	8	8	0	0
4	CONN-PL-60-1	X	7.8	7.8	0	0
5	CONN-PL-60-2	X	7.8	7.8	0	0
6	CONN-PL-90-1	X	13.6	13.6	0	0
7	CONN-PL-90-2	X	13.6	13.6	0	0
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	15.7	15.7	0	0
13	CONN-PL-300-2	X	15.7	15.7	0	0
14	CONN-PL-330-1	X	13.6	13.6	0	0
15	CONN-PL-330-2	X	13.6	13.6	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	6.2	6.2	0	0
18	COR-3	X	6.2	6.2	0	0
19	COR-PL-90-1	X	13.6	13.6	0	0
20	COR-PL-90-2	X	13.6	13.6	0	0
21	COR-PL-90-3	X	13.6	13.6	0	0
22	COR-PL-90-4	X	13.6	13.6	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	13.6	13.6	0	0
28	COR-PL-330-2	X	13.6	13.6	0	0
29	COR-PL-330-3	X	13.6	13.6	0	0
30	COR-PL-330-4	X	13.6	13.6	0	0
31	FM-0	X	7.9	7.9	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	7.9	7.9	0	0
34	GRATE-H-90-1	X	7.5	7.5	0	0
35	GRATE-H-90-2	X	7.5	7.5	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	7.5	7.5	0	0
39	GRATE-H-330-2	X	7.5	7.5	0	0
40	HR-0	X	5.4	5.4	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	5.4	5.4	0	0
43	KICK-1	X	17.8	17.8	0	0
44	KICK-2	X	17.8	17.8	0	0
45	KICK-3	X	17.8	17.8	0	0
46	KICK-PL-1	X	20.9	20.9	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
47	KICK-PL-2	X	20.9	20.9	0	0
48	KICK-PL-3	X	10.5	10.5	0	0
49	KICK-PL-4	X	20.9	20.9	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	20.9	20.9	0	0
52	SA-1	X	9.3	9.3	0	0
53	SA-2	X	4.6	4.6	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	13.6	13.6	0	0
56	PL-90-2	X	13.6	13.6	0	0
57	PL-330-1	X	13.6	13.6	0	0
58	PL-330-2	X	13.6	13.6	0	0
59	PL-210-1	X	0	0	0	0
60	PL-210-2	X	0	0	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	4.6	4.6	0	0
63	BRACE-3	Z	4.6	4.6	0	0
64	CONN-PL-60-1	Z	4.5	4.5	0	0
65	CONN-PL-60-2	Z	4.5	4.5	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	4.5	4.5	0	0
69	CONN-PL-180-2	Z	4.5	4.5	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	9.1	9.1	0	0
73	CONN-PL-300-2	Z	9.1	9.1	0	0
74	CONN-PL-330-1	Z	7.8	7.8	0	0
75	CONN-PL-330-2	Z	7.8	7.8	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	3.6	3.6	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	7.8	7.8	0	0
88	COR-PL-330-2	Z	7.8	7.8	0	0
89	COR-PL-330-3	Z	7.8	7.8	0	0
90	COR-PL-330-4	Z	7.8	7.8	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	4.6	4.6	0	0
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	4.4	4.4	0	0
99	GRATE-H-330-2	Z	4.4	4.4	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	3.1	3.1	0	0
103	KICK-1	Z	10.3	10.3	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
104	KICK-2	Z	10.3	10.3	0	0
105	KICK-3	Z	10.3	10.3	0	0
106	KICK-PL-1	Z	12.1	12.1	0	0
107	KICK-PL-2	Z	12.1	12.1	0	0
108	KICK-PL-3	Z	6	6	0	0
109	KICK-PL-4	Z	12.1	12.1	0	0
110	KICK-PL-5	Z	6	6	0	0
111	KICK-PL-6	Z	12.1	12.1	0	0
112	SA-1	Z	5.4	5.4	0	0
113	SA-2	Z	2.7	2.7	0	0
114	SA-3	Z	2.7	2.7	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	7.8	7.8	0	0
118	PL-330-2	Z	7.8	7.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	2.7	2.7	0	0
2	BRACE-2	X	5.3	5.3	0	0
3	BRACE-3	X	2.7	2.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	4.5	4.5	0	0
7	CONN-PL-90-2	X	4.5	4.5	0	0
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	4.5	4.5	0	0
11	CONN-PL-210-2	X	4.5	4.5	0	0
12	CONN-PL-300-1	X	7.8	7.8	0	0
13	CONN-PL-300-2	X	7.8	7.8	0	0
14	CONN-PL-330-1	X	9.1	9.1	0	0
15	CONN-PL-330-2	X	9.1	9.1	0	0
16	COR-1	X	2.1	2.1	0	0
17	COR-2	X	4.2	4.2	0	0
18	COR-3	X	2.1	2.1	0	0
19	COR-PL-90-1	X	4.5	4.5	0	0
20	COR-PL-90-2	X	4.5	4.5	0	0
21	COR-PL-90-3	X	4.5	4.5	0	0
22	COR-PL-90-4	X	4.5	4.5	0	0
23	COR-PL-210-1	X	4.5	4.5	0	0
24	COR-PL-210-2	X	4.5	4.5	0	0
25	COR-PL-210-3	X	4.5	4.5	0	0
26	COR-PL-210-4	X	4.5	4.5	0	0
27	COR-PL-330-1	X	9.1	9.1	0	0
28	COR-PL-330-2	X	9.1	9.1	0	0
29	COR-PL-330-3	X	9.1	9.1	0	0
30	COR-PL-330-4	X	9.1	9.1	0	0
31	FM-0	X	2.6	2.6	0	0
32	FM-120	X	2.6	2.6	0	0
33	FM-240	X	5.3	5.3	0	0
34	GRATE-H-90-1	X	2.5	2.5	0	0
35	GRATE-H-90-2	X	2.5	2.5	0	0
36	GRATE-H-210-1	X	2.5	2.5	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
37	GRATE-H-210-2	X	2.5	2.5	0	0
38	GRATE-H-330-1	X	5	5	0	0
39	GRATE-H-330-2	X	5	5	0	0
40	HR-0	X	1.8	1.8	0	0
41	HR-120	X	1.8	1.8	0	0
42	HR-240	X	3.6	3.6	0	0
43	KICK-1	X	10.3	10.3	0	0
44	KICK-2	X	10.3	10.3	0	0
45	KICK-3	X	10.3	10.3	0	0
46	KICK-PL-1	X	10.5	10.5	0	0
47	KICK-PL-2	X	12.1	12.1	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	12.1	12.1	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	12.1	12.1	0	0
52	SA-1	X	4.6	4.6	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	4.5	4.5	0	0
56	PL-90-2	X	4.5	4.5	0	0
57	PL-330-1	X	9.1	9.1	0	0
58	PL-330-2	X	9.1	9.1	0	0
59	PL-210-1	X	4.5	4.5	0	0
60	PL-210-2	X	4.5	4.5	0	0
61	BRACE-1	Z	4.6	4.6	0	0
62	BRACE-2	Z	9.2	9.2	0	0
63	BRACE-3	Z	4.6	4.6	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	13.6	13.6	0	0
69	CONN-PL-180-2	Z	13.6	13.6	0	0
70	CONN-PL-210-1	Z	7.8	7.8	0	0
71	CONN-PL-210-2	Z	7.8	7.8	0	0
72	CONN-PL-300-1	Z	13.6	13.6	0	0
73	CONN-PL-300-2	Z	13.6	13.6	0	0
74	CONN-PL-330-1	Z	15.7	15.7	0	0
75	CONN-PL-330-2	Z	15.7	15.7	0	0
76	COR-1	Z	3.6	3.6	0	0
77	COR-2	Z	7.2	7.2	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	7.8	7.8	0	0
84	COR-PL-210-2	Z	7.8	7.8	0	0
85	COR-PL-210-3	Z	7.8	7.8	0	0
86	COR-PL-210-4	Z	7.8	7.8	0	0
87	COR-PL-330-1	Z	15.7	15.7	0	0
88	COR-PL-330-2	Z	15.7	15.7	0	0
89	COR-PL-330-3	Z	15.7	15.7	0	0
90	COR-PL-330-4	Z	15.7	15.7	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	4.6	4.6	0	0
93	FM-240	Z	9.1	9.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	4.4	4.4	0	0
97	GRATE-H-210-2	Z	4.4	4.4	0	0
98	GRATE-H-330-1	Z	8.7	8.7	0	0
99	GRATE-H-330-2	Z	8.7	8.7	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	3.1	3.1	0	0
102	HR-240	Z	6.2	6.2	0	0
103	KICK-1	Z	17.8	17.8	0	0
104	KICK-2	Z	17.8	17.8	0	0
105	KICK-3	Z	17.8	17.8	0	0
106	KICK-PL-1	Z	18.1	18.1	0	0
107	KICK-PL-2	Z	20.9	20.9	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	20.9	20.9	0	0
110	KICK-PL-5	Z	18.1	18.1	0	0
111	KICK-PL-6	Z	20.9	20.9	0	0
112	SA-1	Z	8	8	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	8	8	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	15.7	15.7	0	0
118	PL-330-2	Z	15.7	15.7	0	0
119	PL-210-1	Z	7.8	7.8	0	0
120	PL-210-2	Z	7.8	7.8	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
27	COR-PL-330-1	X	0	0	0
28	COR-PL-330-2	X	0	0	0
29	COR-PL-330-3	X	0	0	0
30	COR-PL-330-4	X	0	0	0
31	FM-0	X	0	0	0
32	FM-120	X	0	0	0
33	FM-240	X	0	0	0
34	GRATE-H-90-1	X	0	0	0
35	GRATE-H-90-2	X	0	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	0	0	0
39	GRATE-H-330-2	X	0	0	0
40	HR-0	X	0	0	0
41	HR-120	X	0	0	0
42	HR-240	X	0	0	0
43	KICK-1	X	0	0	0
44	KICK-2	X	0	0	0
45	KICK-3	X	0	0	0
46	KICK-PL-1	X	0	0	0
47	KICK-PL-2	X	0	0	0
48	KICK-PL-3	X	0	0	0
49	KICK-PL-4	X	0	0	0
50	KICK-PL-5	X	0	0	0
51	KICK-PL-6	X	0	0	0
52	SA-1	X	0	0	0
53	SA-2	X	0	0	0
54	SA-3	X	0	0	0
55	PL-90-1	X	0	0	0
56	PL-90-2	X	0	0	0
57	PL-330-1	X	0	0	0
58	PL-330-2	X	0	0	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	9.2	9.2	0
62	BRACE-2	Z	9.2	9.2	0
63	BRACE-3	Z	0	0	0
64	CONN-PL-60-1	Z	9.1	9.1	0
65	CONN-PL-60-2	Z	9.1	9.1	0
66	CONN-PL-90-1	Z	0	0	0
67	CONN-PL-90-2	Z	0	0	0
68	CONN-PL-180-1	Z	18.1	18.1	0
69	CONN-PL-180-2	Z	18.1	18.1	0
70	CONN-PL-210-1	Z	15.7	15.7	0
71	CONN-PL-210-2	Z	15.7	15.7	0
72	CONN-PL-300-1	Z	9.1	9.1	0
73	CONN-PL-300-2	Z	9.1	9.1	0
74	CONN-PL-330-1	Z	15.7	15.7	0
75	CONN-PL-330-2	Z	15.7	15.7	0
76	COR-1	Z	7.2	7.2	0
77	COR-2	Z	7.2	7.2	0
78	COR-3	Z	0	0	0
79	COR-PL-90-1	Z	0	0	0
80	COR-PL-90-2	Z	0	0	0
81	COR-PL-90-3	Z	0	0	0
82	COR-PL-90-4	Z	0	0	0
83	COR-PL-210-1	Z	15.7	15.7	0



Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
84	COR-PL-210-2	Z	15.7	15.7	0	0
85	COR-PL-210-3	Z	15.7	15.7	0	0
86	COR-PL-210-4	Z	15.7	15.7	0	0
87	COR-PL-330-1	Z	15.7	15.7	0	0
88	COR-PL-330-2	Z	15.7	15.7	0	0
89	COR-PL-330-3	Z	15.7	15.7	0	0
90	COR-PL-330-4	Z	15.7	15.7	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	9.1	9.1	0	0
93	FM-240	Z	9.1	9.1	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	8.7	8.7	0	0
97	GRATE-H-210-2	Z	8.7	8.7	0	0
98	GRATE-H-330-1	Z	8.7	8.7	0	0
99	GRATE-H-330-2	Z	8.7	8.7	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	6.2	6.2	0	0
102	HR-240	Z	6.2	6.2	0	0
103	KICK-1	Z	20.5	20.5	0	0
104	KICK-2	Z	20.5	20.5	0	0
105	KICK-3	Z	20.5	20.5	0	0
106	KICK-PL-1	Z	12.1	12.1	0	0
107	KICK-PL-2	Z	24.1	24.1	0	0
108	KICK-PL-3	Z	12.1	12.1	0	0
109	KICK-PL-4	Z	24.1	24.1	0	0
110	KICK-PL-5	Z	24.1	24.1	0	0
111	KICK-PL-6	Z	24.1	24.1	0	0
112	SA-1	Z	5.4	5.4	0	0
113	SA-2	Z	5.4	5.4	0	0
114	SA-3	Z	10.7	10.7	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	15.7	15.7	0	0
118	PL-330-2	Z	15.7	15.7	0	0
119	PL-210-1	Z	15.7	15.7	0	0
120	PL-210-2	Z	15.7	15.7	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-5.3	-5.3	0	0
2	BRACE-2	X	-2.7	-2.7	0	0
3	BRACE-3	X	-2.7	-2.7	0	0
4	CONN-PL-60-1	X	-7.8	-7.8	0	0
5	CONN-PL-60-2	X	-7.8	-7.8	0	0
6	CONN-PL-90-1	X	-4.5	-4.5	0	0
7	CONN-PL-90-2	X	-4.5	-4.5	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	-9.1	-9.1	0	0
11	CONN-PL-210-2	X	-9.1	-9.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	-4.5	-4.5	0	0
15	CONN-PL-330-2	X	-4.5	-4.5	0	0
16	COR-1	X	-4.2	-4.2	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
17	COR-2	X	-2.1	-2.1	0	0
18	COR-3	X	-2.1	-2.1	0	0
19	COR-PL-90-1	X	-4.5	-4.5	0	0
20	COR-PL-90-2	X	-4.5	-4.5	0	0
21	COR-PL-90-3	X	-4.5	-4.5	0	0
22	COR-PL-90-4	X	-4.5	-4.5	0	0
23	COR-PL-210-1	X	-9.1	-9.1	0	0
24	COR-PL-210-2	X	-9.1	-9.1	0	0
25	COR-PL-210-3	X	-9.1	-9.1	0	0
26	COR-PL-210-4	X	-9.1	-9.1	0	0
27	COR-PL-330-1	X	-4.5	-4.5	0	0
28	COR-PL-330-2	X	-4.5	-4.5	0	0
29	COR-PL-330-3	X	-4.5	-4.5	0	0
30	COR-PL-330-4	X	-4.5	-4.5	0	0
31	FM-0	X	-2.6	-2.6	0	0
32	FM-120	X	-5.3	-5.3	0	0
33	FM-240	X	-2.6	-2.6	0	0
34	GRATE-H-90-1	X	-2.5	-2.5	0	0
35	GRATE-H-90-2	X	-2.5	-2.5	0	0
36	GRATE-H-210-1	X	-5	-5	0	0
37	GRATE-H-210-2	X	-5	-5	0	0
38	GRATE-H-330-1	X	-2.5	-2.5	0	0
39	GRATE-H-330-2	X	-2.5	-2.5	0	0
40	HR-0	X	-1.8	-1.8	0	0
41	HR-120	X	-3.6	-3.6	0	0
42	HR-240	X	-1.8	-1.8	0	0
43	KICK-1	X	-10.3	-10.3	0	0
44	KICK-2	X	-10.3	-10.3	0	0
45	KICK-3	X	-10.3	-10.3	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	-12.1	-12.1	0	0
48	KICK-PL-3	X	-10.5	-10.5	0	0
49	KICK-PL-4	X	-12.1	-12.1	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-12.1	-12.1	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	-4.6	-4.6	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-4.5	-4.5	0	0
56	PL-90-2	X	-4.5	-4.5	0	0
57	PL-330-1	X	-4.5	-4.5	0	0
58	PL-330-2	X	-4.5	-4.5	0	0
59	PL-210-1	X	-9.1	-9.1	0	0
60	PL-210-2	X	-9.1	-9.1	0	0
61	BRACE-1	Z	9.2	9.2	0	0
62	BRACE-2	Z	4.6	4.6	0	0
63	BRACE-3	Z	4.6	4.6	0	0
64	CONN-PL-60-1	Z	13.6	13.6	0	0
65	CONN-PL-60-2	Z	13.6	13.6	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	13.6	13.6	0	0
69	CONN-PL-180-2	Z	13.6	13.6	0	0
70	CONN-PL-210-1	Z	15.7	15.7	0	0
71	CONN-PL-210-2	Z	15.7	15.7	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
74	CONN-PL-330-1	Z	7.8	7.8	0	0
75	CONN-PL-330-2	Z	7.8	7.8	0	0
76	COR-1	Z	7.2	7.2	0	0
77	COR-2	Z	3.6	3.6	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	15.7	15.7	0	0
84	COR-PL-210-2	Z	15.7	15.7	0	0
85	COR-PL-210-3	Z	15.7	15.7	0	0
86	COR-PL-210-4	Z	15.7	15.7	0	0
87	COR-PL-330-1	Z	7.8	7.8	0	0
88	COR-PL-330-2	Z	7.8	7.8	0	0
89	COR-PL-330-3	Z	7.8	7.8	0	0
90	COR-PL-330-4	Z	7.8	7.8	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	9.1	9.1	0	0
93	FM-240	Z	4.6	4.6	0	0
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	8.7	8.7	0	0
97	GRATE-H-210-2	Z	8.7	8.7	0	0
98	GRATE-H-330-1	Z	4.4	4.4	0	0
99	GRATE-H-330-2	Z	4.4	4.4	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	6.2	6.2	0	0
102	HR-240	Z	3.1	3.1	0	0
103	KICK-1	Z	17.8	17.8	0	0
104	KICK-2	Z	17.8	17.8	0	0
105	KICK-3	Z	17.8	17.8	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	20.9	20.9	0	0
108	KICK-PL-3	Z	18.1	18.1	0	0
109	KICK-PL-4	Z	20.9	20.9	0	0
110	KICK-PL-5	Z	18.1	18.1	0	0
111	KICK-PL-6	Z	20.9	20.9	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	8	8	0	0
114	SA-3	Z	8	8	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	7.8	7.8	0	0
118	PL-330-2	Z	7.8	7.8	0	0
119	PL-210-1	Z	15.7	15.7	0	0
120	PL-210-2	Z	15.7	15.7	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-8	-8	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	-8	-8	0	0
4	CONN-PL-60-1	X	-15.7	-15.7	0	0
5	CONN-PL-60-2	X	-15.7	-15.7	0	0
6	CONN-PL-90-1	X	-13.6	-13.6	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
7	CONN-PL-90-2	X	-13.6	-13.6	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	-13.6	-13.6	0	0
11	CONN-PL-210-2	X	-13.6	-13.6	0	0
12	CONN-PL-300-1	X	-7.8	-7.8	0	0
13	CONN-PL-300-2	X	-7.8	-7.8	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	-6.2	-6.2	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	-6.2	-6.2	0	0
19	COR-PL-90-1	X	-13.6	-13.6	0	0
20	COR-PL-90-2	X	-13.6	-13.6	0	0
21	COR-PL-90-3	X	-13.6	-13.6	0	0
22	COR-PL-90-4	X	-13.6	-13.6	0	0
23	COR-PL-210-1	X	-13.6	-13.6	0	0
24	COR-PL-210-2	X	-13.6	-13.6	0	0
25	COR-PL-210-3	X	-13.6	-13.6	0	0
26	COR-PL-210-4	X	-13.6	-13.6	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	-7.9	-7.9	0	0
32	FM-120	X	-7.9	-7.9	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	-7.5	-7.5	0	0
35	GRATE-H-90-2	X	-7.5	-7.5	0	0
36	GRATE-H-210-1	X	-7.5	-7.5	0	0
37	GRATE-H-210-2	X	-7.5	-7.5	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	-5.4	-5.4	0	0
41	HR-120	X	-5.4	-5.4	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	-17.8	-17.8	0	0
44	KICK-2	X	-17.8	-17.8	0	0
45	KICK-3	X	-17.8	-17.8	0	0
46	KICK-PL-1	X	-10.5	-10.5	0	0
47	KICK-PL-2	X	-20.9	-20.9	0	0
48	KICK-PL-3	X	-20.9	-20.9	0	0
49	KICK-PL-4	X	-20.9	-20.9	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-20.9	-20.9	0	0
52	SA-1	X	-4.6	-4.6	0	0
53	SA-2	X	-9.3	-9.3	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-13.6	-13.6	0	0
56	PL-90-2	X	-13.6	-13.6	0	0
57	PL-330-1	X	0	0	0	0
58	PL-330-2	X	0	0	0	0
59	PL-210-1	X	-13.6	-13.6	0	0
60	PL-210-2	X	-13.6	-13.6	0	0
61	BRACE-1	Z	4.6	4.6	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	4.6	4.6	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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 Checked By: DHK

Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
64	CONN-PL-60-1	Z	9.1	9.1	0	0
65	CONN-PL-60-2	Z	9.1	9.1	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	4.5	4.5	0	0
69	CONN-PL-180-2	Z	4.5	4.5	0	0
70	CONN-PL-210-1	Z	7.8	7.8	0	0
71	CONN-PL-210-2	Z	7.8	7.8	0	0
72	CONN-PL-300-1	Z	4.5	4.5	0	0
73	CONN-PL-300-2	Z	4.5	4.5	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	3.6	3.6	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	7.8	7.8	0	0
84	COR-PL-210-2	Z	7.8	7.8	0	0
85	COR-PL-210-3	Z	7.8	7.8	0	0
86	COR-PL-210-4	Z	7.8	7.8	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	4.6	4.6	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	4.4	4.4	0	0
97	GRATE-H-210-2	Z	4.4	4.4	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	3.1	3.1	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	10.3	10.3	0	0
104	KICK-2	Z	10.3	10.3	0	0
105	KICK-3	Z	10.3	10.3	0	0
106	KICK-PL-1	Z	6	6	0	0
107	KICK-PL-2	Z	12.1	12.1	0	0
108	KICK-PL-3	Z	12.1	12.1	0	0
109	KICK-PL-4	Z	12.1	12.1	0	0
110	KICK-PL-5	Z	6	6	0	0
111	KICK-PL-6	Z	12.1	12.1	0	0
112	SA-1	Z	2.7	2.7	0	0
113	SA-2	Z	5.4	5.4	0	0
114	SA-3	Z	2.7	2.7	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	7.8	7.8	0	0
120	PL-210-2	Z	7.8	7.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Member Distributed Loads (BLC 8 : Wind Load (180 deg))

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	X	-5.3	-5.3	0	0
2 BRACE-2	X	-5.3	-5.3	0	0
3 BRACE-3	X	-10.6	-10.6	0	0
4 CONN-PL-60-1	X	-15.7	-15.7	0	0
5 CONN-PL-60-2	X	-15.7	-15.7	0	0
6 CONN-PL-90-1	X	-18.1	-18.1	0	0
7 CONN-PL-90-2	X	-18.1	-18.1	0	0
8 CONN-PL-180-1	X	0	0	0	0
9 CONN-PL-180-2	X	0	0	0	0
10 CONN-PL-210-1	X	-9.1	-9.1	0	0
11 CONN-PL-210-2	X	-9.1	-9.1	0	0
12 CONN-PL-300-1	X	-15.7	-15.7	0	0
13 CONN-PL-300-2	X	-15.7	-15.7	0	0
14 CONN-PL-330-1	X	-9.1	-9.1	0	0
15 CONN-PL-330-2	X	-9.1	-9.1	0	0
16 COR-1	X	-4.2	-4.2	0	0
17 COR-2	X	-4.2	-4.2	0	0
18 COR-3	X	-8.3	-8.3	0	0
19 COR-PL-90-1	X	-18.1	-18.1	0	0
20 COR-PL-90-2	X	-18.1	-18.1	0	0
21 COR-PL-90-3	X	-18.1	-18.1	0	0
22 COR-PL-90-4	X	-18.1	-18.1	0	0
23 COR-PL-210-1	X	-9.1	-9.1	0	0
24 COR-PL-210-2	X	-9.1	-9.1	0	0
25 COR-PL-210-3	X	-9.1	-9.1	0	0
26 COR-PL-210-4	X	-9.1	-9.1	0	0
27 COR-PL-330-1	X	-9.1	-9.1	0	0
28 COR-PL-330-2	X	-9.1	-9.1	0	0
29 COR-PL-330-3	X	-9.1	-9.1	0	0
30 COR-PL-330-4	X	-9.1	-9.1	0	0
31 FM-0	X	-10.6	-10.6	0	0
32 FM-120	X	-5.3	-5.3	0	0
33 FM-240	X	-5.3	-5.3	0	0
34 GRATE-H-90-1	X	-10.1	-10.1	0	0
35 GRATE-H-90-2	X	-10.1	-10.1	0	0
36 GRATE-H-210-1	X	-5	-5	0	0
37 GRATE-H-210-2	X	-5	-5	0	0
38 GRATE-H-330-1	X	-5	-5	0	0
39 GRATE-H-330-2	X	-5	-5	0	0
40 HR-0	X	-7.2	-7.2	0	0
41 HR-120	X	-3.6	-3.6	0	0
42 HR-240	X	-3.6	-3.6	0	0
43 KICK-1	X	-20.5	-20.5	0	0
44 KICK-2	X	-20.5	-20.5	0	0
45 KICK-3	X	-20.5	-20.5	0	0
46 KICK-PL-1	X	-20.9	-20.9	0	0
47 KICK-PL-2	X	-24.1	-24.1	0	0
48 KICK-PL-3	X	-20.9	-20.9	0	0
49 KICK-PL-4	X	-24.1	-24.1	0	0
50 KICK-PL-5	X	0	0	0	0
51 KICK-PL-6	X	-24.1	-24.1	0	0
52 SA-1	X	-9.3	-9.3	0	0
53 SA-2	X	-9.3	-9.3	0	0
54 SA-3	X	0	0	0	0
55 PL-90-1	X	-18.1	-18.1	0	0
56 PL-90-2	X	-18.1	-18.1	0	0
57 PL-330-1	X	-9.1	-9.1	0	0



Company : ETS, PLLC
Designer : KM
Job Number : ETS#22107100.STR.5860
Model Name : Good Hill CT

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Checked By: DHK

Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
58	PL-330-2	X	-9.1	-9.1	0	0
59	PL-210-1	X	-9.1	-9.1	0	0
60	PL-210-2	X	-9.1	-9.1	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	0	0	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	0	0	0	0
67	CONN-PL-90-2	Z	0	0	0	0
68	CONN-PL-180-1	Z	0	0	0	0
69	CONN-PL-180-2	Z	0	0	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	0	0	0	0
104	KICK-2	Z	0	0	0	0
105	KICK-3	Z	0	0	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	0	0	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	0	0	0	0
110	KICK-PL-5	Z	0	0	0	0
111	KICK-PL-6	Z	0	0	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	0	0	0	0



Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	-8	-8	0	0
3	BRACE-3	X	-8	-8	0	0
4	CONN-PL-60-1	X	-7.8	-7.8	0	0
5	CONN-PL-60-2	X	-7.8	-7.8	0	0
6	CONN-PL-90-1	X	-13.6	-13.6	0	0
7	CONN-PL-90-2	X	-13.6	-13.6	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	-15.7	-15.7	0	0
13	CONN-PL-300-2	X	-15.7	-15.7	0	0
14	CONN-PL-330-1	X	-13.6	-13.6	0	0
15	CONN-PL-330-2	X	-13.6	-13.6	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	-6.2	-6.2	0	0
18	COR-3	X	-6.2	-6.2	0	0
19	COR-PL-90-1	X	-13.6	-13.6	0	0
20	COR-PL-90-2	X	-13.6	-13.6	0	0
21	COR-PL-90-3	X	-13.6	-13.6	0	0
22	COR-PL-90-4	X	-13.6	-13.6	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	-13.6	-13.6	0	0
28	COR-PL-330-2	X	-13.6	-13.6	0	0
29	COR-PL-330-3	X	-13.6	-13.6	0	0
30	COR-PL-330-4	X	-13.6	-13.6	0	0
31	FM-0	X	-7.9	-7.9	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	-7.9	-7.9	0	0
34	GRATE-H-90-1	X	-7.5	-7.5	0	0
35	GRATE-H-90-2	X	-7.5	-7.5	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	-7.5	-7.5	0	0
39	GRATE-H-330-2	X	-7.5	-7.5	0	0
40	HR-0	X	-5.4	-5.4	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	-5.4	-5.4	0	0
43	KICK-1	X	-17.8	-17.8	0	0
44	KICK-2	X	-17.8	-17.8	0	0
45	KICK-3	X	-17.8	-17.8	0	0
46	KICK-PL-1	X	-20.9	-20.9	0	0
47	KICK-PL-2	X	-20.9	-20.9	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
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Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
48	KICK-PL-3	X	-10.5	-10.5	0	0
49	KICK-PL-4	X	-20.9	-20.9	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-20.9	-20.9	0	0
52	SA-1	X	-9.3	-9.3	0	0
53	SA-2	X	-4.6	-4.6	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-13.6	-13.6	0	0
56	PL-90-2	X	-13.6	-13.6	0	0
57	PL-330-1	X	-13.6	-13.6	0	0
58	PL-330-2	X	-13.6	-13.6	0	0
59	PL-210-1	X	0	0	0	0
60	PL-210-2	X	0	0	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	-4.6	-4.6	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	-4.5	-4.5	0	0
65	CONN-PL-60-2	Z	-4.5	-4.5	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-4.5	-4.5	0	0
69	CONN-PL-180-2	Z	-4.5	-4.5	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	-9.1	-9.1	0	0
73	CONN-PL-300-2	Z	-9.1	-9.1	0	0
74	CONN-PL-330-1	Z	-7.8	-7.8	0	0
75	CONN-PL-330-2	Z	-7.8	-7.8	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	-3.6	-3.6	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	-7.8	-7.8	0	0
88	COR-PL-330-2	Z	-7.8	-7.8	0	0
89	COR-PL-330-3	Z	-7.8	-7.8	0	0
90	COR-PL-330-4	Z	-7.8	-7.8	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	-4.6	-4.6	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	-4.4	-4.4	0	0
99	GRATE-H-330-2	Z	-4.4	-4.4	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	-3.1	-3.1	0	0
103	KICK-1	Z	-10.3	-10.3	0	0
104	KICK-2	Z	-10.3	-10.3	0	0



Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
105	KICK-3	Z	-10.3	-10.3	0	0
106	KICK-PL-1	Z	-12.1	-12.1	0	0
107	KICK-PL-2	Z	-12.1	-12.1	0	0
108	KICK-PL-3	Z	-6	-6	0	0
109	KICK-PL-4	Z	-12.1	-12.1	0	0
110	KICK-PL-5	Z	-6	-6	0	0
111	KICK-PL-6	Z	-12.1	-12.1	0	0
112	SA-1	Z	-5.4	-5.4	0	0
113	SA-2	Z	-2.7	-2.7	0	0
114	SA-3	Z	-2.7	-2.7	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	-7.8	-7.8	0	0
118	PL-330-2	Z	-7.8	-7.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-2.7	-2.7	0	0
2	BRACE-2	X	-5.3	-5.3	0	0
3	BRACE-3	X	-2.7	-2.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	-4.5	-4.5	0	0
7	CONN-PL-90-2	X	-4.5	-4.5	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	-4.5	-4.5	0	0
11	CONN-PL-210-2	X	-4.5	-4.5	0	0
12	CONN-PL-300-1	X	-7.8	-7.8	0	0
13	CONN-PL-300-2	X	-7.8	-7.8	0	0
14	CONN-PL-330-1	X	-9.1	-9.1	0	0
15	CONN-PL-330-2	X	-9.1	-9.1	0	0
16	COR-1	X	-2.1	-2.1	0	0
17	COR-2	X	-4.2	-4.2	0	0
18	COR-3	X	-2.1	-2.1	0	0
19	COR-PL-90-1	X	-4.5	-4.5	0	0
20	COR-PL-90-2	X	-4.5	-4.5	0	0
21	COR-PL-90-3	X	-4.5	-4.5	0	0
22	COR-PL-90-4	X	-4.5	-4.5	0	0
23	COR-PL-210-1	X	-4.5	-4.5	0	0
24	COR-PL-210-2	X	-4.5	-4.5	0	0
25	COR-PL-210-3	X	-4.5	-4.5	0	0
26	COR-PL-210-4	X	-4.5	-4.5	0	0
27	COR-PL-330-1	X	-9.1	-9.1	0	0
28	COR-PL-330-2	X	-9.1	-9.1	0	0
29	COR-PL-330-3	X	-9.1	-9.1	0	0
30	COR-PL-330-4	X	-9.1	-9.1	0	0
31	FM-0	X	-2.6	-2.6	0	0
32	FM-120	X	-2.6	-2.6	0	0
33	FM-240	X	-5.3	-5.3	0	0
34	GRATE-H-90-1	X	-2.5	-2.5	0	0
35	GRATE-H-90-2	X	-2.5	-2.5	0	0
36	GRATE-H-210-1	X	-2.5	-2.5	0	0
37	GRATE-H-210-2	X	-2.5	-2.5	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]	
38	GRATE-H-330-1	X	-5	-5	0	0
39	GRATE-H-330-2	X	-5	-5	0	0
40	HR-0	X	-1.8	-1.8	0	0
41	HR-120	X	-1.8	-1.8	0	0
42	HR-240	X	-3.6	-3.6	0	0
43	KICK-1	X	-10.3	-10.3	0	0
44	KICK-2	X	-10.3	-10.3	0	0
45	KICK-3	X	-10.3	-10.3	0	0
46	KICK-PL-1	X	-10.5	-10.5	0	0
47	KICK-PL-2	X	-12.1	-12.1	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	-12.1	-12.1	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-12.1	-12.1	0	0
52	SA-1	X	-4.6	-4.6	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-4.5	-4.5	0	0
56	PL-90-2	X	-4.5	-4.5	0	0
57	PL-330-1	X	-9.1	-9.1	0	0
58	PL-330-2	X	-9.1	-9.1	0	0
59	PL-210-1	X	-4.5	-4.5	0	0
60	PL-210-2	X	-4.5	-4.5	0	0
61	BRACE-1	Z	-4.6	-4.6	0	0
62	BRACE-2	Z	-9.2	-9.2	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-13.6	-13.6	0	0
69	CONN-PL-180-2	Z	-13.6	-13.6	0	0
70	CONN-PL-210-1	Z	-7.8	-7.8	0	0
71	CONN-PL-210-2	Z	-7.8	-7.8	0	0
72	CONN-PL-300-1	Z	-13.6	-13.6	0	0
73	CONN-PL-300-2	Z	-13.6	-13.6	0	0
74	CONN-PL-330-1	Z	-15.7	-15.7	0	0
75	CONN-PL-330-2	Z	-15.7	-15.7	0	0
76	COR-1	Z	-3.6	-3.6	0	0
77	COR-2	Z	-7.2	-7.2	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	-7.8	-7.8	0	0
84	COR-PL-210-2	Z	-7.8	-7.8	0	0
85	COR-PL-210-3	Z	-7.8	-7.8	0	0
86	COR-PL-210-4	Z	-7.8	-7.8	0	0
87	COR-PL-330-1	Z	-15.7	-15.7	0	0
88	COR-PL-330-2	Z	-15.7	-15.7	0	0
89	COR-PL-330-3	Z	-15.7	-15.7	0	0
90	COR-PL-330-4	Z	-15.7	-15.7	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	-4.6	-4.6	0	0
93	FM-240	Z	-9.1	-9.1	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0



Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	-4.4	-4.4	0	0
97	GRATE-H-210-2	Z	-4.4	-4.4	0	0
98	GRATE-H-330-1	Z	-8.7	-8.7	0	0
99	GRATE-H-330-2	Z	-8.7	-8.7	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	-3.1	-3.1	0	0
102	HR-240	Z	-6.2	-6.2	0	0
103	KICK-1	Z	-17.8	-17.8	0	0
104	KICK-2	Z	-17.8	-17.8	0	0
105	KICK-3	Z	-17.8	-17.8	0	0
106	KICK-PL-1	Z	-18.1	-18.1	0	0
107	KICK-PL-2	Z	-20.9	-20.9	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	-20.9	-20.9	0	0
110	KICK-PL-5	Z	-18.1	-18.1	0	0
111	KICK-PL-6	Z	-20.9	-20.9	0	0
112	SA-1	Z	-8	-8	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	-8	-8	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	-15.7	-15.7	0	0
118	PL-330-2	Z	-15.7	-15.7	0	0
119	PL-210-1	Z	-7.8	-7.8	0	0
120	PL-210-2	Z	-7.8	-7.8	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	0	0	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
85	COR-PL-210-3	Z	-15.7	-15.7	0	0
86	COR-PL-210-4	Z	-15.7	-15.7	0	0
87	COR-PL-330-1	Z	-15.7	-15.7	0	0
88	COR-PL-330-2	Z	-15.7	-15.7	0	0
89	COR-PL-330-3	Z	-15.7	-15.7	0	0
90	COR-PL-330-4	Z	-15.7	-15.7	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	-9.1	-9.1	0	0
93	FM-240	Z	-9.1	-9.1	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	-8.7	-8.7	0	0
97	GRATE-H-210-2	Z	-8.7	-8.7	0	0
98	GRATE-H-330-1	Z	-8.7	-8.7	0	0
99	GRATE-H-330-2	Z	-8.7	-8.7	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	-6.2	-6.2	0	0
102	HR-240	Z	-6.2	-6.2	0	0
103	KICK-1	Z	-20.5	-20.5	0	0
104	KICK-2	Z	-20.5	-20.5	0	0
105	KICK-3	Z	-20.5	-20.5	0	0
106	KICK-PL-1	Z	-12.1	-12.1	0	0
107	KICK-PL-2	Z	-24.1	-24.1	0	0
108	KICK-PL-3	Z	-12.1	-12.1	0	0
109	KICK-PL-4	Z	-24.1	-24.1	0	0
110	KICK-PL-5	Z	-24.1	-24.1	0	0
111	KICK-PL-6	Z	-24.1	-24.1	0	0
112	SA-1	Z	-5.4	-5.4	0	0
113	SA-2	Z	-5.4	-5.4	0	0
114	SA-3	Z	-10.7	-10.7	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	-15.7	-15.7	0	0
118	PL-330-2	Z	-15.7	-15.7	0	0
119	PL-210-1	Z	-15.7	-15.7	0	0
120	PL-210-2	Z	-15.7	-15.7	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	5.3	5.3	0	0
2	BRACE-2	X	2.7	2.7	0	0
3	BRACE-3	X	2.7	2.7	0	0
4	CONN-PL-60-1	X	7.8	7.8	0	0
5	CONN-PL-60-2	X	7.8	7.8	0	0
6	CONN-PL-90-1	X	4.5	4.5	0	0
7	CONN-PL-90-2	X	4.5	4.5	0	0
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	9.1	9.1	0	0
11	CONN-PL-210-2	X	9.1	9.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	4.5	4.5	0	0
15	CONN-PL-330-2	X	4.5	4.5	0	0
16	COR-1	X	4.2	4.2	0	0
17	COR-2	X	2.1	2.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 12 : Wind Load (300 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
18	COR-3	X	2.1	2.1	0	0
19	COR-PL-90-1	X	4.5	4.5	0	0
20	COR-PL-90-2	X	4.5	4.5	0	0
21	COR-PL-90-3	X	4.5	4.5	0	0
22	COR-PL-90-4	X	4.5	4.5	0	0
23	COR-PL-210-1	X	9.1	9.1	0	0
24	COR-PL-210-2	X	9.1	9.1	0	0
25	COR-PL-210-3	X	9.1	9.1	0	0
26	COR-PL-210-4	X	9.1	9.1	0	0
27	COR-PL-330-1	X	4.5	4.5	0	0
28	COR-PL-330-2	X	4.5	4.5	0	0
29	COR-PL-330-3	X	4.5	4.5	0	0
30	COR-PL-330-4	X	4.5	4.5	0	0
31	FM-0	X	2.6	2.6	0	0
32	FM-120	X	5.3	5.3	0	0
33	FM-240	X	2.6	2.6	0	0
34	GRATE-H-90-1	X	2.5	2.5	0	0
35	GRATE-H-90-2	X	2.5	2.5	0	0
36	GRATE-H-210-1	X	5	5	0	0
37	GRATE-H-210-2	X	5	5	0	0
38	GRATE-H-330-1	X	2.5	2.5	0	0
39	GRATE-H-330-2	X	2.5	2.5	0	0
40	HR-0	X	1.8	1.8	0	0
41	HR-120	X	3.6	3.6	0	0
42	HR-240	X	1.8	1.8	0	0
43	KICK-1	X	10.3	10.3	0	0
44	KICK-2	X	10.3	10.3	0	0
45	KICK-3	X	10.3	10.3	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	12.1	12.1	0	0
48	KICK-PL-3	X	10.5	10.5	0	0
49	KICK-PL-4	X	12.1	12.1	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	12.1	12.1	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	4.6	4.6	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	4.5	4.5	0	0
56	PL-90-2	X	4.5	4.5	0	0
57	PL-330-1	X	4.5	4.5	0	0
58	PL-330-2	X	4.5	4.5	0	0
59	PL-210-1	X	9.1	9.1	0	0
60	PL-210-2	X	9.1	9.1	0	0
61	BRACE-1	Z	-9.2	-9.2	0	0
62	BRACE-2	Z	-4.6	-4.6	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	-13.6	-13.6	0	0
65	CONN-PL-60-2	Z	-13.6	-13.6	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-13.6	-13.6	0	0
69	CONN-PL-180-2	Z	-13.6	-13.6	0	0
70	CONN-PL-210-1	Z	-15.7	-15.7	0	0
71	CONN-PL-210-2	Z	-15.7	-15.7	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	-7.8	-7.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 12 : Wind Load (300 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
75	CONN-PL-330-2	Z	-7.8	-7.8	0	0
76	COR-1	Z	-7.2	-7.2	0	0
77	COR-2	Z	-3.6	-3.6	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	-15.7	-15.7	0	0
84	COR-PL-210-2	Z	-15.7	-15.7	0	0
85	COR-PL-210-3	Z	-15.7	-15.7	0	0
86	COR-PL-210-4	Z	-15.7	-15.7	0	0
87	COR-PL-330-1	Z	-7.8	-7.8	0	0
88	COR-PL-330-2	Z	-7.8	-7.8	0	0
89	COR-PL-330-3	Z	-7.8	-7.8	0	0
90	COR-PL-330-4	Z	-7.8	-7.8	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	-9.1	-9.1	0	0
93	FM-240	Z	-4.6	-4.6	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	-8.7	-8.7	0	0
97	GRATE-H-210-2	Z	-8.7	-8.7	0	0
98	GRATE-H-330-1	Z	-4.4	-4.4	0	0
99	GRATE-H-330-2	Z	-4.4	-4.4	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	-6.2	-6.2	0	0
102	HR-240	Z	-3.1	-3.1	0	0
103	KICK-1	Z	-17.8	-17.8	0	0
104	KICK-2	Z	-17.8	-17.8	0	0
105	KICK-3	Z	-17.8	-17.8	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	-20.9	-20.9	0	0
108	KICK-PL-3	Z	-18.1	-18.1	0	0
109	KICK-PL-4	Z	-20.9	-20.9	0	0
110	KICK-PL-5	Z	-18.1	-18.1	0	0
111	KICK-PL-6	Z	-20.9	-20.9	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	-8	-8	0	0
114	SA-3	Z	-8	-8	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	-7.8	-7.8	0	0
118	PL-330-2	Z	-7.8	-7.8	0	0
119	PL-210-1	Z	-15.7	-15.7	0	0
120	PL-210-2	Z	-15.7	-15.7	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg))

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
1	BRACE-1	X	8	8	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	8	8	0	0
4	CONN-PL-60-1	X	15.7	15.7	0	0
5	CONN-PL-60-2	X	15.7	15.7	0	0
6	CONN-PL-90-1	X	13.6	13.6	0	0
7	CONN-PL-90-2	X	13.6	13.6	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 13 : Wind Load (330 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	13.6	13.6	0	0
11	CONN-PL-210-2	X	13.6	13.6	0	0
12	CONN-PL-300-1	X	7.8	7.8	0	0
13	CONN-PL-300-2	X	7.8	7.8	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	6.2	6.2	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	6.2	6.2	0	0
19	COR-PL-90-1	X	13.6	13.6	0	0
20	COR-PL-90-2	X	13.6	13.6	0	0
21	COR-PL-90-3	X	13.6	13.6	0	0
22	COR-PL-90-4	X	13.6	13.6	0	0
23	COR-PL-210-1	X	13.6	13.6	0	0
24	COR-PL-210-2	X	13.6	13.6	0	0
25	COR-PL-210-3	X	13.6	13.6	0	0
26	COR-PL-210-4	X	13.6	13.6	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	7.9	7.9	0	0
32	FM-120	X	7.9	7.9	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	7.5	7.5	0	0
35	GRATE-H-90-2	X	7.5	7.5	0	0
36	GRATE-H-210-1	X	7.5	7.5	0	0
37	GRATE-H-210-2	X	7.5	7.5	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	5.4	5.4	0	0
41	HR-120	X	5.4	5.4	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	17.8	17.8	0	0
44	KICK-2	X	17.8	17.8	0	0
45	KICK-3	X	17.8	17.8	0	0
46	KICK-PL-1	X	10.5	10.5	0	0
47	KICK-PL-2	X	20.9	20.9	0	0
48	KICK-PL-3	X	20.9	20.9	0	0
49	KICK-PL-4	X	20.9	20.9	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	20.9	20.9	0	0
52	SA-1	X	4.6	4.6	0	0
53	SA-2	X	9.3	9.3	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	13.6	13.6	0	0
56	PL-90-2	X	13.6	13.6	0	0
57	PL-330-1	X	0	0	0	0
58	PL-330-2	X	0	0	0	0
59	PL-210-1	X	13.6	13.6	0	0
60	PL-210-2	X	13.6	13.6	0	0
61	BRACE-1	Z	-4.6	-4.6	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	-9.1	-9.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 13 : Wind Load (330 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
65	CONN-PL-60-2	Z	-9.1	-9.1	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-4.5	-4.5	0	0
69	CONN-PL-180-2	Z	-4.5	-4.5	0	0
70	CONN-PL-210-1	Z	-7.8	-7.8	0	0
71	CONN-PL-210-2	Z	-7.8	-7.8	0	0
72	CONN-PL-300-1	Z	-4.5	-4.5	0	0
73	CONN-PL-300-2	Z	-4.5	-4.5	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	-3.6	-3.6	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	-7.8	-7.8	0	0
84	COR-PL-210-2	Z	-7.8	-7.8	0	0
85	COR-PL-210-3	Z	-7.8	-7.8	0	0
86	COR-PL-210-4	Z	-7.8	-7.8	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	-4.6	-4.6	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	-4.4	-4.4	0	0
97	GRATE-H-210-2	Z	-4.4	-4.4	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	-3.1	-3.1	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	-10.3	-10.3	0	0
104	KICK-2	Z	-10.3	-10.3	0	0
105	KICK-3	Z	-10.3	-10.3	0	0
106	KICK-PL-1	Z	-6	-6	0	0
107	KICK-PL-2	Z	-12.1	-12.1	0	0
108	KICK-PL-3	Z	-12.1	-12.1	0	0
109	KICK-PL-4	Z	-12.1	-12.1	0	0
110	KICK-PL-5	Z	-6	-6	0	0
111	KICK-PL-6	Z	-12.1	-12.1	0	0
112	SA-1	Z	-2.7	-2.7	0	0
113	SA-2	Z	-5.4	-5.4	0	0
114	SA-3	Z	-2.7	-2.7	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	-7.8	-7.8	0	0
120	PL-210-2	Z	-7.8	-7.8	0	0



Member Distributed Loads (BLC 14 : Ice Load)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	Y	-9.6	-9.6	0	0
2 BRACE-2	Y	-9.6	-9.6	0	0
3 BRACE-3	Y	-9.6	-9.6	0	0
4 CONN-PL-60-1	Y	-10.1	-10.1	0	0
5 CONN-PL-60-2	Y	-10.1	-10.1	0	0
6 CONN-PL-90-1	Y	-10.1	-10.1	0	0
7 CONN-PL-90-2	Y	-10.1	-10.1	0	0
8 CONN-PL-180-1	Y	-10.1	-10.1	0	0
9 CONN-PL-180-2	Y	-10.1	-10.1	0	0
10 CONN-PL-210-1	Y	-10.1	-10.1	0	0
11 CONN-PL-210-2	Y	-10.1	-10.1	0	0
12 CONN-PL-300-1	Y	-10.1	-10.1	0	0
13 CONN-PL-300-2	Y	-10.1	-10.1	0	0
14 CONN-PL-330-1	Y	-10.1	-10.1	0	0
15 CONN-PL-330-2	Y	-10.1	-10.1	0	0
16 COR-1	Y	-6.6	-6.6	0	0
17 COR-2	Y	-6.6	-6.6	0	0
18 COR-3	Y	-6.6	-6.6	0	0
19 COR-PL-90-1	Y	-10.1	-10.1	0	0
20 COR-PL-90-2	Y	-10.1	-10.1	0	0
21 COR-PL-90-3	Y	-10.1	-10.1	0	0
22 COR-PL-90-4	Y	-10.1	-10.1	0	0
23 COR-PL-210-1	Y	-10.1	-10.1	0	0
24 COR-PL-210-2	Y	-10.1	-10.1	0	0
25 COR-PL-210-3	Y	-10.1	-10.1	0	0
26 COR-PL-210-4	Y	-10.1	-10.1	0	0
27 COR-PL-330-1	Y	-10.1	-10.1	0	0
28 COR-PL-330-2	Y	-10.1	-10.1	0	0
29 COR-PL-330-3	Y	-10.1	-10.1	0	0
30 COR-PL-330-4	Y	-10.1	-10.1	0	0
31 FM-0	Y	-6.5	-6.5	0	0
32 FM-120	Y	-6.5	-6.5	0	0
33 FM-240	Y	-6.5	-6.5	0	0
34 GRATE-H-90-1	Y	-5.6	-5.6	0	0
35 GRATE-H-90-2	Y	-5.6	-5.6	0	0
36 GRATE-H-210-1	Y	-5.6	-5.6	0	0
37 GRATE-H-210-2	Y	-5.6	-5.6	0	0
38 GRATE-H-330-1	Y	-5.6	-5.6	0	0
39 GRATE-H-330-2	Y	-5.6	-5.6	0	0
40 HR-0	Y	-5	-5	0	0
41 HR-120	Y	-5	-5	0	0
42 HR-240	Y	-5	-5	0	0
43 KICK-1	Y	-9.4	-9.4	0	0
44 KICK-2	Y	-9.4	-9.4	0	0
45 KICK-3	Y	-9.4	-9.4	0	0
46 KICK-PL-1	Y	-12.9	-12.9	0	0
47 KICK-PL-2	Y	-12.9	-12.9	0	0
48 KICK-PL-3	Y	-12.9	-12.9	0	0
49 KICK-PL-4	Y	-12.9	-12.9	0	0
50 KICK-PL-5	Y	-12.9	-12.9	0	0
51 KICK-PL-6	Y	-12.9	-12.9	0	0
52 SA-1	Y	-9.6	-9.6	0	0
53 SA-2	Y	-9.6	-9.6	0	0
54 SA-3	Y	-9.6	-9.6	0	0
55 PL-90-1	Y	-10.1	-10.1	0	0
56 PL-90-2	Y	-10.1	-10.1	0	0
57 PL-330-1	Y	-10.1	-10.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 14 : Ice Load) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
58	PL-330-2	Y	-10.1	-10.1	0	0
59	PL-210-1	Y	-10.1	-10.1	0	0
60	PL-210-2	Y	-10.1	-10.1	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	1.5	1.5	0	0
2	BRACE-2	X	1.5	1.5	0	0
3	BRACE-3	X	3	3	0	0
4	CONN-PL-60-1	X	3.6	3.6	0	0
5	CONN-PL-60-2	X	3.6	3.6	0	0
6	CONN-PL-90-1	X	4.2	4.2	0	0
7	CONN-PL-90-2	X	4.2	4.2	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	2.1	2.1	0	0
11	CONN-PL-210-2	X	2.1	2.1	0	0
12	CONN-PL-300-1	X	3.6	3.6	0	0
13	CONN-PL-300-2	X	3.6	3.6	0	0
14	CONN-PL-330-1	X	2.1	2.1	0	0
15	CONN-PL-330-2	X	2.1	2.1	0	0
16	COR-1	X	1.2	1.2	0	0
17	COR-2	X	1.2	1.2	0	0
18	COR-3	X	2.4	2.4	0	0
19	COR-PL-90-1	X	4.2	4.2	0	0
20	COR-PL-90-2	X	4.2	4.2	0	0
21	COR-PL-90-3	X	4.2	4.2	0	0
22	COR-PL-90-4	X	4.2	4.2	0	0
23	COR-PL-210-1	X	2.1	2.1	0	0
24	COR-PL-210-2	X	2.1	2.1	0	0
25	COR-PL-210-3	X	2.1	2.1	0	0
26	COR-PL-210-4	X	2.1	2.1	0	0
27	COR-PL-330-1	X	2.1	2.1	0	0
28	COR-PL-330-2	X	2.1	2.1	0	0
29	COR-PL-330-3	X	2.1	2.1	0	0
30	COR-PL-330-4	X	2.1	2.1	0	0
31	FM-0	X	3.3	3.3	0	0
32	FM-120	X	1.7	1.7	0	0
33	FM-240	X	1.7	1.7	0	0
34	GRATE-H-90-1	X	2.9	2.9	0	0
35	GRATE-H-90-2	X	2.9	2.9	0	0
36	GRATE-H-210-1	X	1.5	1.5	0	0
37	GRATE-H-210-2	X	1.5	1.5	0	0
38	GRATE-H-330-1	X	1.5	1.5	0	0
39	GRATE-H-330-2	X	1.5	1.5	0	0
40	HR-0	X	2.7	2.7	0	0
41	HR-120	X	1.3	1.3	0	0
42	HR-240	X	1.3	1.3	0	0
43	KICK-1	X	4.8	4.8	0	0
44	KICK-2	X	4.8	4.8	0	0
45	KICK-3	X	4.8	4.8	0	0
46	KICK-PL-1	X	4.6	4.6	0	0
47	KICK-PL-2	X	5.3	5.3	0	0
48	KICK-PL-3	X	4.6	4.6	0	0
49	KICK-PL-4	X	5.3	5.3	0	0
50	KICK-PL-5	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
51	KICK-PL-6	X	5.3	5.3	0	0
52	SA-1	X	2.6	2.6	0	0
53	SA-2	X	2.6	2.6	0	0
54	SA-3	X	0	0	0	0
55	PL-90-1	X	4.2	4.2	0	0
56	PL-90-2	X	4.2	4.2	0	0
57	PL-330-1	X	2.1	2.1	0	0
58	PL-330-2	X	2.1	2.1	0	0
59	PL-210-1	X	2.1	2.1	0	0
60	PL-210-2	X	2.1	2.1	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	0	0	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	0	0	0	0
67	CONN-PL-90-2	Z	0	0	0	0
68	CONN-PL-180-1	Z	0	0	0	0
69	CONN-PL-180-2	Z	0	0	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	0	0	0	0
104	KICK-2	Z	0	0	0	0
105	KICK-3	Z	0	0	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	0	0	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	0	0	0	0
110	KICK-PL-5	Z	0	0	0	0
111	KICK-PL-6	Z	0	0	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	0	0	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	2.2	2.2	0	0
3	BRACE-3	X	2.2	2.2	0	0
4	CONN-PL-60-1	X	1.8	1.8	0	0
5	CONN-PL-60-2	X	1.8	1.8	0	0
6	CONN-PL-90-1	X	3.1	3.1	0	0
7	CONN-PL-90-2	X	3.1	3.1	0	0
8	CONN-PL-180-1	X	1.8	1.8	0	0
9	CONN-PL-180-2	X	1.8	1.8	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	3.6	3.6	0	0
13	CONN-PL-300-2	X	3.6	3.6	0	0
14	CONN-PL-330-1	X	3.1	3.1	0	0
15	CONN-PL-330-2	X	3.1	3.1	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	1.8	1.8	0	0
18	COR-3	X	1.8	1.8	0	0
19	COR-PL-90-1	X	3.1	3.1	0	0
20	COR-PL-90-2	X	3.1	3.1	0	0
21	COR-PL-90-3	X	3.1	3.1	0	0
22	COR-PL-90-4	X	3.1	3.1	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	3.1	3.1	0	0
28	COR-PL-330-2	X	3.1	3.1	0	0
29	COR-PL-330-3	X	3.1	3.1	0	0
30	COR-PL-330-4	X	3.1	3.1	0	0
31	FM-0	X	2.5	2.5	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	2.5	2.5	0	0
34	GRATE-H-90-1	X	2.2	2.2	0	0
35	GRATE-H-90-2	X	2.2	2.2	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	2.2	2.2	0	0
39	GRATE-H-330-2	X	2.2	2.2	0	0
40	HR-0	X	2	2	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
41	HR-120	X	0	0	0
42	HR-240	X	2	2	0
43	KICK-1	X	4.1	4.1	0
44	KICK-2	X	4.1	4.1	0
45	KICK-3	X	4.1	4.1	0
46	KICK-PL-1	X	4.6	4.6	0
47	KICK-PL-2	X	4.6	4.6	0
48	KICK-PL-3	X	2.3	2.3	0
49	KICK-PL-4	X	4.6	4.6	0
50	KICK-PL-5	X	2.3	2.3	0
51	KICK-PL-6	X	4.6	4.6	0
52	SA-1	X	2.6	2.6	0
53	SA-2	X	1.3	1.3	0
54	SA-3	X	1.3	1.3	0
55	PL-90-1	X	3.1	3.1	0
56	PL-90-2	X	3.1	3.1	0
57	PL-330-1	X	3.1	3.1	0
58	PL-330-2	X	3.1	3.1	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	0	0	0
62	BRACE-2	Z	1.3	1.3	0
63	BRACE-3	Z	1.3	1.3	0
64	CONN-PL-60-1	Z	1	1	0
65	CONN-PL-60-2	Z	1	1	0
66	CONN-PL-90-1	Z	1.8	1.8	0
67	CONN-PL-90-2	Z	1.8	1.8	0
68	CONN-PL-180-1	Z	1	1	0
69	CONN-PL-180-2	Z	1	1	0
70	CONN-PL-210-1	Z	0	0	0
71	CONN-PL-210-2	Z	0	0	0
72	CONN-PL-300-1	Z	2.1	2.1	0
73	CONN-PL-300-2	Z	2.1	2.1	0
74	CONN-PL-330-1	Z	1.8	1.8	0
75	CONN-PL-330-2	Z	1.8	1.8	0
76	COR-1	Z	0	0	0
77	COR-2	Z	1	1	0
78	COR-3	Z	1	1	0
79	COR-PL-90-1	Z	1.8	1.8	0
80	COR-PL-90-2	Z	1.8	1.8	0
81	COR-PL-90-3	Z	1.8	1.8	0
82	COR-PL-90-4	Z	1.8	1.8	0
83	COR-PL-210-1	Z	0	0	0
84	COR-PL-210-2	Z	0	0	0
85	COR-PL-210-3	Z	0	0	0
86	COR-PL-210-4	Z	0	0	0
87	COR-PL-330-1	Z	1.8	1.8	0
88	COR-PL-330-2	Z	1.8	1.8	0
89	COR-PL-330-3	Z	1.8	1.8	0
90	COR-PL-330-4	Z	1.8	1.8	0
91	FM-0	Z	1.4	1.4	0
92	FM-120	Z	0	0	0
93	FM-240	Z	1.4	1.4	0
94	GRATE-H-90-1	Z	1.3	1.3	0
95	GRATE-H-90-2	Z	1.3	1.3	0
96	GRATE-H-210-1	Z	0	0	0
97	GRATE-H-210-2	Z	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
98	GRATE-H-330-1	Z	1.3	1.3	0	0
99	GRATE-H-330-2	Z	1.3	1.3	0	0
100	HR-0	Z	1.2	1.2	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	1.2	1.2	0	0
103	KICK-1	Z	2.4	2.4	0	0
104	KICK-2	Z	2.4	2.4	0	0
105	KICK-3	Z	2.4	2.4	0	0
106	KICK-PL-1	Z	2.7	2.7	0	0
107	KICK-PL-2	Z	2.7	2.7	0	0
108	KICK-PL-3	Z	1.3	1.3	0	0
109	KICK-PL-4	Z	2.7	2.7	0	0
110	KICK-PL-5	Z	1.3	1.3	0	0
111	KICK-PL-6	Z	2.7	2.7	0	0
112	SA-1	Z	1.5	1.5	0	0
113	SA-2	Z	.7	.7	0	0
114	SA-3	Z	.7	.7	0	0
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	1.8	1.8	0	0
118	PL-330-2	Z	1.8	1.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	.7	.7	0	0
2	BRACE-2	X	1.5	1.5	0	0
3	BRACE-3	X	.7	.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	1	1	0	0
7	CONN-PL-90-2	X	1	1	0	0
8	CONN-PL-180-1	X	1.8	1.8	0	0
9	CONN-PL-180-2	X	1.8	1.8	0	0
10	CONN-PL-210-1	X	1	1	0	0
11	CONN-PL-210-2	X	1	1	0	0
12	CONN-PL-300-1	X	1.8	1.8	0	0
13	CONN-PL-300-2	X	1.8	1.8	0	0
14	CONN-PL-330-1	X	2.1	2.1	0	0
15	CONN-PL-330-2	X	2.1	2.1	0	0
16	COR-1	X	.6	.6	0	0
17	COR-2	X	1.2	1.2	0	0
18	COR-3	X	.6	.6	0	0
19	COR-PL-90-1	X	1	1	0	0
20	COR-PL-90-2	X	1	1	0	0
21	COR-PL-90-3	X	1	1	0	0
22	COR-PL-90-4	X	1	1	0	0
23	COR-PL-210-1	X	1	1	0	0
24	COR-PL-210-2	X	1	1	0	0
25	COR-PL-210-3	X	1	1	0	0
26	COR-PL-210-4	X	1	1	0	0
27	COR-PL-330-1	X	2.1	2.1	0	0
28	COR-PL-330-2	X	2.1	2.1	0	0
29	COR-PL-330-3	X	2.1	2.1	0	0
30	COR-PL-330-4	X	2.1	2.1	0	0



Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
31	FM-0	X	.8	.8	0	0
32	FM-120	X	.8	.8	0	0
33	FM-240	X	1.7	1.7	0	0
34	GRATE-H-90-1	X	.7	.7	0	0
35	GRATE-H-90-2	X	.7	.7	0	0
36	GRATE-H-210-1	X	.7	.7	0	0
37	GRATE-H-210-2	X	.7	.7	0	0
38	GRATE-H-330-1	X	1.5	1.5	0	0
39	GRATE-H-330-2	X	1.5	1.5	0	0
40	HR-0	X	.7	.7	0	0
41	HR-120	X	.7	.7	0	0
42	HR-240	X	1.3	1.3	0	0
43	KICK-1	X	2.4	2.4	0	0
44	KICK-2	X	2.4	2.4	0	0
45	KICK-3	X	2.4	2.4	0	0
46	KICK-PL-1	X	2.3	2.3	0	0
47	KICK-PL-2	X	2.7	2.7	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	2.7	2.7	0	0
50	KICK-PL-5	X	2.3	2.3	0	0
51	KICK-PL-6	X	2.7	2.7	0	0
52	SA-1	X	1.3	1.3	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	1.3	1.3	0	0
55	PL-90-1	X	1	1	0	0
56	PL-90-2	X	1	1	0	0
57	PL-330-1	X	2.1	2.1	0	0
58	PL-330-2	X	2.1	2.1	0	0
59	PL-210-1	X	1	1	0	0
60	PL-210-2	X	1	1	0	0
61	BRACE-1	Z	1.3	1.3	0	0
62	BRACE-2	Z	2.6	2.6	0	0
63	BRACE-3	Z	1.3	1.3	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	1.8	1.8	0	0
67	CONN-PL-90-2	Z	1.8	1.8	0	0
68	CONN-PL-180-1	Z	3.1	3.1	0	0
69	CONN-PL-180-2	Z	3.1	3.1	0	0
70	CONN-PL-210-1	Z	1.8	1.8	0	0
71	CONN-PL-210-2	Z	1.8	1.8	0	0
72	CONN-PL-300-1	Z	3.1	3.1	0	0
73	CONN-PL-300-2	Z	3.1	3.1	0	0
74	CONN-PL-330-1	Z	3.6	3.6	0	0
75	CONN-PL-330-2	Z	3.6	3.6	0	0
76	COR-1	Z	1	1	0	0
77	COR-2	Z	2	2	0	0
78	COR-3	Z	1	1	0	0
79	COR-PL-90-1	Z	1.8	1.8	0	0
80	COR-PL-90-2	Z	1.8	1.8	0	0
81	COR-PL-90-3	Z	1.8	1.8	0	0
82	COR-PL-90-4	Z	1.8	1.8	0	0
83	COR-PL-210-1	Z	1.8	1.8	0	0
84	COR-PL-210-2	Z	1.8	1.8	0	0
85	COR-PL-210-3	Z	1.8	1.8	0	0
86	COR-PL-210-4	Z	1.8	1.8	0	0
87	COR-PL-330-1	Z	3.6	3.6	0	0



Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
88	COR-PL-330-2	Z	3.6	3.6	0	0
89	COR-PL-330-3	Z	3.6	3.6	0	0
90	COR-PL-330-4	Z	3.6	3.6	0	0
91	FM-0	Z	1.4	1.4	0	0
92	FM-120	Z	1.4	1.4	0	0
93	FM-240	Z	2.9	2.9	0	0
94	GRATE-H-90-1	Z	1.3	1.3	0	0
95	GRATE-H-90-2	Z	1.3	1.3	0	0
96	GRATE-H-210-1	Z	1.3	1.3	0	0
97	GRATE-H-210-2	Z	1.3	1.3	0	0
98	GRATE-H-330-1	Z	2.5	2.5	0	0
99	GRATE-H-330-2	Z	2.5	2.5	0	0
100	HR-0	Z	1.2	1.2	0	0
101	HR-120	Z	1.2	1.2	0	0
102	HR-240	Z	2.3	2.3	0	0
103	KICK-1	Z	4.1	4.1	0	0
104	KICK-2	Z	4.1	4.1	0	0
105	KICK-3	Z	4.1	4.1	0	0
106	KICK-PL-1	Z	4	4	0	0
107	KICK-PL-2	Z	4.6	4.6	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	4.6	4.6	0	0
110	KICK-PL-5	Z	4	4	0	0
111	KICK-PL-6	Z	4.6	4.6	0	0
112	SA-1	Z	2.2	2.2	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	2.2	2.2	0	0
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	3.6	3.6	0	0
118	PL-330-2	Z	3.6	3.6	0	0
119	PL-210-1	Z	1.8	1.8	0	0
120	PL-210-2	Z	1.8	1.8	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
21	COR-PL-90-3	X	0	0	0
22	COR-PL-90-4	X	0	0	0
23	COR-PL-210-1	X	0	0	0
24	COR-PL-210-2	X	0	0	0
25	COR-PL-210-3	X	0	0	0
26	COR-PL-210-4	X	0	0	0
27	COR-PL-330-1	X	0	0	0
28	COR-PL-330-2	X	0	0	0
29	COR-PL-330-3	X	0	0	0
30	COR-PL-330-4	X	0	0	0
31	FM-0	X	0	0	0
32	FM-120	X	0	0	0
33	FM-240	X	0	0	0
34	GRATE-H-90-1	X	0	0	0
35	GRATE-H-90-2	X	0	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	0	0	0
39	GRATE-H-330-2	X	0	0	0
40	HR-0	X	0	0	0
41	HR-120	X	0	0	0
42	HR-240	X	0	0	0
43	KICK-1	X	0	0	0
44	KICK-2	X	0	0	0
45	KICK-3	X	0	0	0
46	KICK-PL-1	X	0	0	0
47	KICK-PL-2	X	0	0	0
48	KICK-PL-3	X	0	0	0
49	KICK-PL-4	X	0	0	0
50	KICK-PL-5	X	0	0	0
51	KICK-PL-6	X	0	0	0
52	SA-1	X	0	0	0
53	SA-2	X	0	0	0
54	SA-3	X	0	0	0
55	PL-90-1	X	0	0	0
56	PL-90-2	X	0	0	0
57	PL-330-1	X	0	0	0
58	PL-330-2	X	0	0	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	2.6	2.6	0
62	BRACE-2	Z	2.6	2.6	0
63	BRACE-3	Z	0	0	0
64	CONN-PL-60-1	Z	2.1	2.1	0
65	CONN-PL-60-2	Z	2.1	2.1	0
66	CONN-PL-90-1	Z	0	0	0
67	CONN-PL-90-2	Z	0	0	0
68	CONN-PL-180-1	Z	4.2	4.2	0
69	CONN-PL-180-2	Z	4.2	4.2	0
70	CONN-PL-210-1	Z	3.6	3.6	0
71	CONN-PL-210-2	Z	3.6	3.6	0
72	CONN-PL-300-1	Z	2.1	2.1	0
73	CONN-PL-300-2	Z	2.1	2.1	0
74	CONN-PL-330-1	Z	3.6	3.6	0
75	CONN-PL-330-2	Z	3.6	3.6	0
76	COR-1	Z	2	2	0
77	COR-2	Z	2	2	0



Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
78	COR-3	Z	0	0	0
79	COR-PL-90-1	Z	0	0	0
80	COR-PL-90-2	Z	0	0	0
81	COR-PL-90-3	Z	0	0	0
82	COR-PL-90-4	Z	0	0	0
83	COR-PL-210-1	Z	3.6	3.6	0
84	COR-PL-210-2	Z	3.6	3.6	0
85	COR-PL-210-3	Z	3.6	3.6	0
86	COR-PL-210-4	Z	3.6	3.6	0
87	COR-PL-330-1	Z	3.6	3.6	0
88	COR-PL-330-2	Z	3.6	3.6	0
89	COR-PL-330-3	Z	3.6	3.6	0
90	COR-PL-330-4	Z	3.6	3.6	0
91	FM-0	Z	0	0	0
92	FM-120	Z	2.9	2.9	0
93	FM-240	Z	2.9	2.9	0
94	GRATE-H-90-1	Z	0	0	0
95	GRATE-H-90-2	Z	0	0	0
96	GRATE-H-210-1	Z	2.5	2.5	0
97	GRATE-H-210-2	Z	2.5	2.5	0
98	GRATE-H-330-1	Z	2.5	2.5	0
99	GRATE-H-330-2	Z	2.5	2.5	0
100	HR-0	Z	0	0	0
101	HR-120	Z	2.3	2.3	0
102	HR-240	Z	2.3	2.3	0
103	KICK-1	Z	4.8	4.8	0
104	KICK-2	Z	4.8	4.8	0
105	KICK-3	Z	4.8	4.8	0
106	KICK-PL-1	Z	2.7	2.7	0
107	KICK-PL-2	Z	5.3	5.3	0
108	KICK-PL-3	Z	2.7	2.7	0
109	KICK-PL-4	Z	5.3	5.3	0
110	KICK-PL-5	Z	5.3	5.3	0
111	KICK-PL-6	Z	5.3	5.3	0
112	SA-1	Z	1.5	1.5	0
113	SA-2	Z	1.5	1.5	0
114	SA-3	Z	3	3	0
115	PL-90-1	Z	0	0	0
116	PL-90-2	Z	0	0	0
117	PL-330-1	Z	3.6	3.6	0
118	PL-330-2	Z	3.6	3.6	0
119	PL-210-1	Z	3.6	3.6	0
120	PL-210-2	Z	3.6	3.6	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg))

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-1.5	-1.5	0
2	BRACE-2	X	-7	-7	0
3	BRACE-3	X	-7	-7	0
4	CONN-PL-60-1	X	-1.8	-1.8	0
5	CONN-PL-60-2	X	-1.8	-1.8	0
6	CONN-PL-90-1	X	-1	-1	0
7	CONN-PL-90-2	X	-1	-1	0
8	CONN-PL-180-1	X	-1.8	-1.8	0
9	CONN-PL-180-2	X	-1.8	-1.8	0
10	CONN-PL-210-1	X	-2.1	-2.1	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
11	CONN-PL-210-2	X	-2.1	-2.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	-1	-1	0	0
15	CONN-PL-330-2	X	-1	-1	0	0
16	COR-1	X	-1.2	-1.2	0	0
17	COR-2	X	-6	-6	0	0
18	COR-3	X	-6	-6	0	0
19	COR-PL-90-1	X	-1	-1	0	0
20	COR-PL-90-2	X	-1	-1	0	0
21	COR-PL-90-3	X	-1	-1	0	0
22	COR-PL-90-4	X	-1	-1	0	0
23	COR-PL-210-1	X	-2.1	-2.1	0	0
24	COR-PL-210-2	X	-2.1	-2.1	0	0
25	COR-PL-210-3	X	-2.1	-2.1	0	0
26	COR-PL-210-4	X	-2.1	-2.1	0	0
27	COR-PL-330-1	X	-1	-1	0	0
28	COR-PL-330-2	X	-1	-1	0	0
29	COR-PL-330-3	X	-1	-1	0	0
30	COR-PL-330-4	X	-1	-1	0	0
31	FM-0	X	-8	-8	0	0
32	FM-120	X	-1.7	-1.7	0	0
33	FM-240	X	-8	-8	0	0
34	GRATE-H-90-1	X	-7	-7	0	0
35	GRATE-H-90-2	X	-7	-7	0	0
36	GRATE-H-210-1	X	-1.5	-1.5	0	0
37	GRATE-H-210-2	X	-1.5	-1.5	0	0
38	GRATE-H-330-1	X	-7	-7	0	0
39	GRATE-H-330-2	X	-7	-7	0	0
40	HR-0	X	-7	-7	0	0
41	HR-120	X	-1.3	-1.3	0	0
42	HR-240	X	-7	-7	0	0
43	KICK-1	X	-2.4	-2.4	0	0
44	KICK-2	X	-2.4	-2.4	0	0
45	KICK-3	X	-2.4	-2.4	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	-2.7	-2.7	0	0
48	KICK-PL-3	X	-2.3	-2.3	0	0
49	KICK-PL-4	X	-2.7	-2.7	0	0
50	KICK-PL-5	X	-2.3	-2.3	0	0
51	KICK-PL-6	X	-2.7	-2.7	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	-1.3	-1.3	0	0
54	SA-3	X	-1.3	-1.3	0	0
55	PL-90-1	X	-1	-1	0	0
56	PL-90-2	X	-1	-1	0	0
57	PL-330-1	X	-1	-1	0	0
58	PL-330-2	X	-1	-1	0	0
59	PL-210-1	X	-2.1	-2.1	0	0
60	PL-210-2	X	-2.1	-2.1	0	0
61	BRACE-1	Z	2.6	2.6	0	0
62	BRACE-2	Z	1.3	1.3	0	0
63	BRACE-3	Z	1.3	1.3	0	0
64	CONN-PL-60-1	Z	3.1	3.1	0	0
65	CONN-PL-60-2	Z	3.1	3.1	0	0
66	CONN-PL-90-1	Z	1.8	1.8	0	0
67	CONN-PL-90-2	Z	1.8	1.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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 Checked By: DHK

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
68	CONN-PL-180-1	Z	3.1	3.1	0	0
69	CONN-PL-180-2	Z	3.1	3.1	0	0
70	CONN-PL-210-1	Z	3.6	3.6	0	0
71	CONN-PL-210-2	Z	3.6	3.6	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	1.8	1.8	0	0
75	CONN-PL-330-2	Z	1.8	1.8	0	0
76	COR-1	Z	2	2	0	0
77	COR-2	Z	1	1	0	0
78	COR-3	Z	1	1	0	0
79	COR-PL-90-1	Z	1.8	1.8	0	0
80	COR-PL-90-2	Z	1.8	1.8	0	0
81	COR-PL-90-3	Z	1.8	1.8	0	0
82	COR-PL-90-4	Z	1.8	1.8	0	0
83	COR-PL-210-1	Z	3.6	3.6	0	0
84	COR-PL-210-2	Z	3.6	3.6	0	0
85	COR-PL-210-3	Z	3.6	3.6	0	0
86	COR-PL-210-4	Z	3.6	3.6	0	0
87	COR-PL-330-1	Z	1.8	1.8	0	0
88	COR-PL-330-2	Z	1.8	1.8	0	0
89	COR-PL-330-3	Z	1.8	1.8	0	0
90	COR-PL-330-4	Z	1.8	1.8	0	0
91	FM-0	Z	1.4	1.4	0	0
92	FM-120	Z	2.9	2.9	0	0
93	FM-240	Z	1.4	1.4	0	0
94	GRATE-H-90-1	Z	1.3	1.3	0	0
95	GRATE-H-90-2	Z	1.3	1.3	0	0
96	GRATE-H-210-1	Z	2.5	2.5	0	0
97	GRATE-H-210-2	Z	2.5	2.5	0	0
98	GRATE-H-330-1	Z	1.3	1.3	0	0
99	GRATE-H-330-2	Z	1.3	1.3	0	0
100	HR-0	Z	1.2	1.2	0	0
101	HR-120	Z	2.3	2.3	0	0
102	HR-240	Z	1.2	1.2	0	0
103	KICK-1	Z	4.1	4.1	0	0
104	KICK-2	Z	4.1	4.1	0	0
105	KICK-3	Z	4.1	4.1	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	4.6	4.6	0	0
108	KICK-PL-3	Z	4	4	0	0
109	KICK-PL-4	Z	4.6	4.6	0	0
110	KICK-PL-5	Z	4	4	0	0
111	KICK-PL-6	Z	4.6	4.6	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	2.2	2.2	0	0
114	SA-3	Z	2.2	2.2	0	0
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	1.8	1.8	0	0
118	PL-330-2	Z	1.8	1.8	0	0
119	PL-210-1	Z	3.6	3.6	0	0
120	PL-210-2	Z	3.6	3.6	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg))

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
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Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
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Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	X	-2.2	-2.2	0	0
2 BRACE-2	X	0	0	0	0
3 BRACE-3	X	-2.2	-2.2	0	0
4 CONN-PL-60-1	X	-3.6	-3.6	0	0
5 CONN-PL-60-2	X	-3.6	-3.6	0	0
6 CONN-PL-90-1	X	-3.1	-3.1	0	0
7 CONN-PL-90-2	X	-3.1	-3.1	0	0
8 CONN-PL-180-1	X	-1.8	-1.8	0	0
9 CONN-PL-180-2	X	-1.8	-1.8	0	0
10 CONN-PL-210-1	X	-3.1	-3.1	0	0
11 CONN-PL-210-2	X	-3.1	-3.1	0	0
12 CONN-PL-300-1	X	-1.8	-1.8	0	0
13 CONN-PL-300-2	X	-1.8	-1.8	0	0
14 CONN-PL-330-1	X	0	0	0	0
15 CONN-PL-330-2	X	0	0	0	0
16 COR-1	X	-1.8	-1.8	0	0
17 COR-2	X	0	0	0	0
18 COR-3	X	-1.8	-1.8	0	0
19 COR-PL-90-1	X	-3.1	-3.1	0	0
20 COR-PL-90-2	X	-3.1	-3.1	0	0
21 COR-PL-90-3	X	-3.1	-3.1	0	0
22 COR-PL-90-4	X	-3.1	-3.1	0	0
23 COR-PL-210-1	X	-3.1	-3.1	0	0
24 COR-PL-210-2	X	-3.1	-3.1	0	0
25 COR-PL-210-3	X	-3.1	-3.1	0	0
26 COR-PL-210-4	X	-3.1	-3.1	0	0
27 COR-PL-330-1	X	0	0	0	0
28 COR-PL-330-2	X	0	0	0	0
29 COR-PL-330-3	X	0	0	0	0
30 COR-PL-330-4	X	0	0	0	0
31 FM-0	X	-2.5	-2.5	0	0
32 FM-120	X	-2.5	-2.5	0	0
33 FM-240	X	0	0	0	0
34 GRATE-H-90-1	X	-2.2	-2.2	0	0
35 GRATE-H-90-2	X	-2.2	-2.2	0	0
36 GRATE-H-210-1	X	-2.2	-2.2	0	0
37 GRATE-H-210-2	X	-2.2	-2.2	0	0
38 GRATE-H-330-1	X	0	0	0	0
39 GRATE-H-330-2	X	0	0	0	0
40 HR-0	X	-2	-2	0	0
41 HR-120	X	-2	-2	0	0
42 HR-240	X	0	0	0	0
43 KICK-1	X	-4.1	-4.1	0	0
44 KICK-2	X	-4.1	-4.1	0	0
45 KICK-3	X	-4.1	-4.1	0	0
46 KICK-PL-1	X	-2.3	-2.3	0	0
47 KICK-PL-2	X	-4.6	-4.6	0	0
48 KICK-PL-3	X	-4.6	-4.6	0	0
49 KICK-PL-4	X	-4.6	-4.6	0	0
50 KICK-PL-5	X	-2.3	-2.3	0	0
51 KICK-PL-6	X	-4.6	-4.6	0	0
52 SA-1	X	-1.3	-1.3	0	0
53 SA-2	X	-2.6	-2.6	0	0
54 SA-3	X	-1.3	-1.3	0	0
55 PL-90-1	X	-3.1	-3.1	0	0
56 PL-90-2	X	-3.1	-3.1	0	0
57 PL-330-1	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
58	PL-330-2	X	0	0	0
59	PL-210-1	X	-3.1	-3.1	0
60	PL-210-2	X	-3.1	-3.1	0
61	BRACE-1	Z	1.3	1.3	0
62	BRACE-2	Z	0	0	0
63	BRACE-3	Z	1.3	1.3	0
64	CONN-PL-60-1	Z	2.1	2.1	0
65	CONN-PL-60-2	Z	2.1	2.1	0
66	CONN-PL-90-1	Z	1.8	1.8	0
67	CONN-PL-90-2	Z	1.8	1.8	0
68	CONN-PL-180-1	Z	1	1	0
69	CONN-PL-180-2	Z	1	1	0
70	CONN-PL-210-1	Z	1.8	1.8	0
71	CONN-PL-210-2	Z	1.8	1.8	0
72	CONN-PL-300-1	Z	1	1	0
73	CONN-PL-300-2	Z	1	1	0
74	CONN-PL-330-1	Z	0	0	0
75	CONN-PL-330-2	Z	0	0	0
76	COR-1	Z	1	1	0
77	COR-2	Z	0	0	0
78	COR-3	Z	1	1	0
79	COR-PL-90-1	Z	1.8	1.8	0
80	COR-PL-90-2	Z	1.8	1.8	0
81	COR-PL-90-3	Z	1.8	1.8	0
82	COR-PL-90-4	Z	1.8	1.8	0
83	COR-PL-210-1	Z	1.8	1.8	0
84	COR-PL-210-2	Z	1.8	1.8	0
85	COR-PL-210-3	Z	1.8	1.8	0
86	COR-PL-210-4	Z	1.8	1.8	0
87	COR-PL-330-1	Z	0	0	0
88	COR-PL-330-2	Z	0	0	0
89	COR-PL-330-3	Z	0	0	0
90	COR-PL-330-4	Z	0	0	0
91	FM-0	Z	1.4	1.4	0
92	FM-120	Z	1.4	1.4	0
93	FM-240	Z	0	0	0
94	GRATE-H-90-1	Z	1.3	1.3	0
95	GRATE-H-90-2	Z	1.3	1.3	0
96	GRATE-H-210-1	Z	1.3	1.3	0
97	GRATE-H-210-2	Z	1.3	1.3	0
98	GRATE-H-330-1	Z	0	0	0
99	GRATE-H-330-2	Z	0	0	0
100	HR-0	Z	1.2	1.2	0
101	HR-120	Z	1.2	1.2	0
102	HR-240	Z	0	0	0
103	KICK-1	Z	2.4	2.4	0
104	KICK-2	Z	2.4	2.4	0
105	KICK-3	Z	2.4	2.4	0
106	KICK-PL-1	Z	1.3	1.3	0
107	KICK-PL-2	Z	2.7	2.7	0
108	KICK-PL-3	Z	2.7	2.7	0
109	KICK-PL-4	Z	2.7	2.7	0
110	KICK-PL-5	Z	1.3	1.3	0
111	KICK-PL-6	Z	2.7	2.7	0
112	SA-1	Z	.7	.7	0
113	SA-2	Z	1.5	1.5	0
114	SA-3	Z	.7	.7	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	1.8	1.8	0	0
120	PL-210-2	Z	1.8	1.8	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-1.5	-1.5	0	0
2	BRACE-2	X	-1.5	-1.5	0	0
3	BRACE-3	X	-3	-3	0	0
4	CONN-PL-60-1	X	-3.6	-3.6	0	0
5	CONN-PL-60-2	X	-3.6	-3.6	0	0
6	CONN-PL-90-1	X	-4.2	-4.2	0	0
7	CONN-PL-90-2	X	-4.2	-4.2	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	-2.1	-2.1	0	0
11	CONN-PL-210-2	X	-2.1	-2.1	0	0
12	CONN-PL-300-1	X	-3.6	-3.6	0	0
13	CONN-PL-300-2	X	-3.6	-3.6	0	0
14	CONN-PL-330-1	X	-2.1	-2.1	0	0
15	CONN-PL-330-2	X	-2.1	-2.1	0	0
16	COR-1	X	-1.2	-1.2	0	0
17	COR-2	X	-1.2	-1.2	0	0
18	COR-3	X	-2.4	-2.4	0	0
19	COR-PL-90-1	X	-4.2	-4.2	0	0
20	COR-PL-90-2	X	-4.2	-4.2	0	0
21	COR-PL-90-3	X	-4.2	-4.2	0	0
22	COR-PL-90-4	X	-4.2	-4.2	0	0
23	COR-PL-210-1	X	-2.1	-2.1	0	0
24	COR-PL-210-2	X	-2.1	-2.1	0	0
25	COR-PL-210-3	X	-2.1	-2.1	0	0
26	COR-PL-210-4	X	-2.1	-2.1	0	0
27	COR-PL-330-1	X	-2.1	-2.1	0	0
28	COR-PL-330-2	X	-2.1	-2.1	0	0
29	COR-PL-330-3	X	-2.1	-2.1	0	0
30	COR-PL-330-4	X	-2.1	-2.1	0	0
31	FM-0	X	-3.3	-3.3	0	0
32	FM-120	X	-1.7	-1.7	0	0
33	FM-240	X	-1.7	-1.7	0	0
34	GRATE-H-90-1	X	-2.9	-2.9	0	0
35	GRATE-H-90-2	X	-2.9	-2.9	0	0
36	GRATE-H-210-1	X	-1.5	-1.5	0	0
37	GRATE-H-210-2	X	-1.5	-1.5	0	0
38	GRATE-H-330-1	X	-1.5	-1.5	0	0
39	GRATE-H-330-2	X	-1.5	-1.5	0	0
40	HR-0	X	-2.7	-2.7	0	0
41	HR-120	X	-1.3	-1.3	0	0
42	HR-240	X	-1.3	-1.3	0	0
43	KICK-1	X	-4.8	-4.8	0	0
44	KICK-2	X	-4.8	-4.8	0	0
45	KICK-3	X	-4.8	-4.8	0	0
46	KICK-PL-1	X	-4.6	-4.6	0	0
47	KICK-PL-2	X	-5.3	-5.3	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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 Checked By: DHK

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
48	KICK-PL-3	X	-4.6	-4.6	0	0
49	KICK-PL-4	X	-5.3	-5.3	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	-5.3	-5.3	0	0
52	SA-1	X	-2.6	-2.6	0	0
53	SA-2	X	-2.6	-2.6	0	0
54	SA-3	X	0	0	0	0
55	PL-90-1	X	-4.2	-4.2	0	0
56	PL-90-2	X	-4.2	-4.2	0	0
57	PL-330-1	X	-2.1	-2.1	0	0
58	PL-330-2	X	-2.1	-2.1	0	0
59	PL-210-1	X	-2.1	-2.1	0	0
60	PL-210-2	X	-2.1	-2.1	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	0	0	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	0	0	0	0
67	CONN-PL-90-2	Z	0	0	0	0
68	CONN-PL-180-1	Z	0	0	0	0
69	CONN-PL-180-2	Z	0	0	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	0	0	0	0
104	KICK-2	Z	0	0	0	0



Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
105	KICK-3	Z	0	0	0
106	KICK-PL-1	Z	0	0	0
107	KICK-PL-2	Z	0	0	0
108	KICK-PL-3	Z	0	0	0
109	KICK-PL-4	Z	0	0	0
110	KICK-PL-5	Z	0	0	0
111	KICK-PL-6	Z	0	0	0
112	SA-1	Z	0	0	0
113	SA-2	Z	0	0	0
114	SA-3	Z	0	0	0
115	PL-90-1	Z	0	0	0
116	PL-90-2	Z	0	0	0
117	PL-330-1	Z	0	0	0
118	PL-330-2	Z	0	0	0
119	PL-210-1	Z	0	0	0
120	PL-210-2	Z	0	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg))

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0
2	BRACE-2	X	-2.2	0	0
3	BRACE-3	X	-2.2	0	0
4	CONN-PL-60-1	X	-1.8	0	0
5	CONN-PL-60-2	X	-1.8	0	0
6	CONN-PL-90-1	X	-3.1	0	0
7	CONN-PL-90-2	X	-3.1	0	0
8	CONN-PL-180-1	X	-1.8	0	0
9	CONN-PL-180-2	X	-1.8	0	0
10	CONN-PL-210-1	X	0	0	0
11	CONN-PL-210-2	X	0	0	0
12	CONN-PL-300-1	X	-3.6	0	0
13	CONN-PL-300-2	X	-3.6	0	0
14	CONN-PL-330-1	X	-3.1	0	0
15	CONN-PL-330-2	X	-3.1	0	0
16	COR-1	X	0	0	0
17	COR-2	X	-1.8	0	0
18	COR-3	X	-1.8	0	0
19	COR-PL-90-1	X	-3.1	0	0
20	COR-PL-90-2	X	-3.1	0	0
21	COR-PL-90-3	X	-3.1	0	0
22	COR-PL-90-4	X	-3.1	0	0
23	COR-PL-210-1	X	0	0	0
24	COR-PL-210-2	X	0	0	0
25	COR-PL-210-3	X	0	0	0
26	COR-PL-210-4	X	0	0	0
27	COR-PL-330-1	X	-3.1	0	0
28	COR-PL-330-2	X	-3.1	0	0
29	COR-PL-330-3	X	-3.1	0	0
30	COR-PL-330-4	X	-3.1	0	0
31	FM-0	X	-2.5	0	0
32	FM-120	X	0	0	0
33	FM-240	X	-2.5	0	0
34	GRATE-H-90-1	X	-2.2	0	0
35	GRATE-H-90-2	X	-2.2	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
38	GRATE-H-330-1	X	-2.2	-2.2	0	0
39	GRATE-H-330-2	X	-2.2	-2.2	0	0
40	HR-0	X	-2	-2	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	-2	-2	0	0
43	KICK-1	X	-4.1	-4.1	0	0
44	KICK-2	X	-4.1	-4.1	0	0
45	KICK-3	X	-4.1	-4.1	0	0
46	KICK-PL-1	X	-4.6	-4.6	0	0
47	KICK-PL-2	X	-4.6	-4.6	0	0
48	KICK-PL-3	X	-2.3	-2.3	0	0
49	KICK-PL-4	X	-4.6	-4.6	0	0
50	KICK-PL-5	X	-2.3	-2.3	0	0
51	KICK-PL-6	X	-4.6	-4.6	0	0
52	SA-1	X	-2.6	-2.6	0	0
53	SA-2	X	-1.3	-1.3	0	0
54	SA-3	X	-1.3	-1.3	0	0
55	PL-90-1	X	-3.1	-3.1	0	0
56	PL-90-2	X	-3.1	-3.1	0	0
57	PL-330-1	X	-3.1	-3.1	0	0
58	PL-330-2	X	-3.1	-3.1	0	0
59	PL-210-1	X	0	0	0	0
60	PL-210-2	X	0	0	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	-1.3	-1.3	0	0
63	BRACE-3	Z	-1.3	-1.3	0	0
64	CONN-PL-60-1	Z	-1	-1	0	0
65	CONN-PL-60-2	Z	-1	-1	0	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0	0
68	CONN-PL-180-1	Z	-1	-1	0	0
69	CONN-PL-180-2	Z	-1	-1	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	-2.1	-2.1	0	0
73	CONN-PL-300-2	Z	-2.1	-2.1	0	0
74	CONN-PL-330-1	Z	-1.8	-1.8	0	0
75	CONN-PL-330-2	Z	-1.8	-1.8	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	-1	-1	0	0
78	COR-3	Z	-1	-1	0	0
79	COR-PL-90-1	Z	-1.8	-1.8	0	0
80	COR-PL-90-2	Z	-1.8	-1.8	0	0
81	COR-PL-90-3	Z	-1.8	-1.8	0	0
82	COR-PL-90-4	Z	-1.8	-1.8	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	-1.8	-1.8	0	0
88	COR-PL-330-2	Z	-1.8	-1.8	0	0
89	COR-PL-330-3	Z	-1.8	-1.8	0	0
90	COR-PL-330-4	Z	-1.8	-1.8	0	0
91	FM-0	Z	-1.4	-1.4	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	-1.4	-1.4	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
95	GRATE-H-90-2	Z	-1.3	-1.3	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	-1.3	-1.3	0	0
99	GRATE-H-330-2	Z	-1.3	-1.3	0	0
100	HR-0	Z	-1.2	-1.2	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	-1.2	-1.2	0	0
103	KICK-1	Z	-2.4	-2.4	0	0
104	KICK-2	Z	-2.4	-2.4	0	0
105	KICK-3	Z	-2.4	-2.4	0	0
106	KICK-PL-1	Z	-2.7	-2.7	0	0
107	KICK-PL-2	Z	-2.7	-2.7	0	0
108	KICK-PL-3	Z	-1.3	-1.3	0	0
109	KICK-PL-4	Z	-2.7	-2.7	0	0
110	KICK-PL-5	Z	-1.3	-1.3	0	0
111	KICK-PL-6	Z	-2.7	-2.7	0	0
112	SA-1	Z	-1.5	-1.5	0	0
113	SA-2	Z	-.7	-.7	0	0
114	SA-3	Z	-.7	-.7	0	0
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	-1.8	-1.8	0	0
118	PL-330-2	Z	-1.8	-1.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-.7	-.7	0	0
2	BRACE-2	X	-1.5	-1.5	0	0
3	BRACE-3	X	-.7	-.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	-1	-1	0	0
7	CONN-PL-90-2	X	-1	-1	0	0
8	CONN-PL-180-1	X	-1.8	-1.8	0	0
9	CONN-PL-180-2	X	-1.8	-1.8	0	0
10	CONN-PL-210-1	X	-1	-1	0	0
11	CONN-PL-210-2	X	-1	-1	0	0
12	CONN-PL-300-1	X	-1.8	-1.8	0	0
13	CONN-PL-300-2	X	-1.8	-1.8	0	0
14	CONN-PL-330-1	X	-2.1	-2.1	0	0
15	CONN-PL-330-2	X	-2.1	-2.1	0	0
16	COR-1	X	-.6	-.6	0	0
17	COR-2	X	-1.2	-1.2	0	0
18	COR-3	X	-.6	-.6	0	0
19	COR-PL-90-1	X	-1	-1	0	0
20	COR-PL-90-2	X	-1	-1	0	0
21	COR-PL-90-3	X	-1	-1	0	0
22	COR-PL-90-4	X	-1	-1	0	0
23	COR-PL-210-1	X	-1	-1	0	0
24	COR-PL-210-2	X	-1	-1	0	0
25	COR-PL-210-3	X	-1	-1	0	0
26	COR-PL-210-4	X	-1	-1	0	0
27	COR-PL-330-1	X	-2.1	-2.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
28	COR-PL-330-2	X	-2.1	-2.1	0	0
29	COR-PL-330-3	X	-2.1	-2.1	0	0
30	COR-PL-330-4	X	-2.1	-2.1	0	0
31	FM-0	X	-8	-8	0	0
32	FM-120	X	-8	-8	0	0
33	FM-240	X	-1.7	-1.7	0	0
34	GRATE-H-90-1	X	-7	-7	0	0
35	GRATE-H-90-2	X	-7	-7	0	0
36	GRATE-H-210-1	X	-7	-7	0	0
37	GRATE-H-210-2	X	-7	-7	0	0
38	GRATE-H-330-1	X	-1.5	-1.5	0	0
39	GRATE-H-330-2	X	-1.5	-1.5	0	0
40	HR-0	X	-7	-7	0	0
41	HR-120	X	-7	-7	0	0
42	HR-240	X	-1.3	-1.3	0	0
43	KICK-1	X	-2.4	-2.4	0	0
44	KICK-2	X	-2.4	-2.4	0	0
45	KICK-3	X	-2.4	-2.4	0	0
46	KICK-PL-1	X	-2.3	-2.3	0	0
47	KICK-PL-2	X	-2.7	-2.7	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	-2.7	-2.7	0	0
50	KICK-PL-5	X	-2.3	-2.3	0	0
51	KICK-PL-6	X	-2.7	-2.7	0	0
52	SA-1	X	-1.3	-1.3	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	-1.3	-1.3	0	0
55	PL-90-1	X	-1	-1	0	0
56	PL-90-2	X	-1	-1	0	0
57	PL-330-1	X	-2.1	-2.1	0	0
58	PL-330-2	X	-2.1	-2.1	0	0
59	PL-210-1	X	-1	-1	0	0
60	PL-210-2	X	-1	-1	0	0
61	BRACE-1	Z	-1.3	-1.3	0	0
62	BRACE-2	Z	-2.6	-2.6	0	0
63	BRACE-3	Z	-1.3	-1.3	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0	0
68	CONN-PL-180-1	Z	-3.1	-3.1	0	0
69	CONN-PL-180-2	Z	-3.1	-3.1	0	0
70	CONN-PL-210-1	Z	-1.8	-1.8	0	0
71	CONN-PL-210-2	Z	-1.8	-1.8	0	0
72	CONN-PL-300-1	Z	-3.1	-3.1	0	0
73	CONN-PL-300-2	Z	-3.1	-3.1	0	0
74	CONN-PL-330-1	Z	-3.6	-3.6	0	0
75	CONN-PL-330-2	Z	-3.6	-3.6	0	0
76	COR-1	Z	-1	-1	0	0
77	COR-2	Z	-2	-2	0	0
78	COR-3	Z	-1	-1	0	0
79	COR-PL-90-1	Z	-1.8	-1.8	0	0
80	COR-PL-90-2	Z	-1.8	-1.8	0	0
81	COR-PL-90-3	Z	-1.8	-1.8	0	0
82	COR-PL-90-4	Z	-1.8	-1.8	0	0
83	COR-PL-210-1	Z	-1.8	-1.8	0	0
84	COR-PL-210-2	Z	-1.8	-1.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
85	COR-PL-210-3	Z	-1.8	-1.8	0	0
86	COR-PL-210-4	Z	-1.8	-1.8	0	0
87	COR-PL-330-1	Z	-3.6	-3.6	0	0
88	COR-PL-330-2	Z	-3.6	-3.6	0	0
89	COR-PL-330-3	Z	-3.6	-3.6	0	0
90	COR-PL-330-4	Z	-3.6	-3.6	0	0
91	FM-0	Z	-1.4	-1.4	0	0
92	FM-120	Z	-1.4	-1.4	0	0
93	FM-240	Z	-2.9	-2.9	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0	0
95	GRATE-H-90-2	Z	-1.3	-1.3	0	0
96	GRATE-H-210-1	Z	-1.3	-1.3	0	0
97	GRATE-H-210-2	Z	-1.3	-1.3	0	0
98	GRATE-H-330-1	Z	-2.5	-2.5	0	0
99	GRATE-H-330-2	Z	-2.5	-2.5	0	0
100	HR-0	Z	-1.2	-1.2	0	0
101	HR-120	Z	-1.2	-1.2	0	0
102	HR-240	Z	-2.3	-2.3	0	0
103	KICK-1	Z	-4.1	-4.1	0	0
104	KICK-2	Z	-4.1	-4.1	0	0
105	KICK-3	Z	-4.1	-4.1	0	0
106	KICK-PL-1	Z	-4	-4	0	0
107	KICK-PL-2	Z	-4.6	-4.6	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	-4.6	-4.6	0	0
110	KICK-PL-5	Z	-4	-4	0	0
111	KICK-PL-6	Z	-4.6	-4.6	0	0
112	SA-1	Z	-2.2	-2.2	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	-2.2	-2.2	0	0
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	-3.6	-3.6	0	0
118	PL-330-2	Z	-3.6	-3.6	0	0
119	PL-210-1	Z	-1.8	-1.8	0	0
120	PL-210-2	Z	-1.8	-1.8	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
18	COR-3	X	0	0	0
19	COR-PL-90-1	X	0	0	0
20	COR-PL-90-2	X	0	0	0
21	COR-PL-90-3	X	0	0	0
22	COR-PL-90-4	X	0	0	0
23	COR-PL-210-1	X	0	0	0
24	COR-PL-210-2	X	0	0	0
25	COR-PL-210-3	X	0	0	0
26	COR-PL-210-4	X	0	0	0
27	COR-PL-330-1	X	0	0	0
28	COR-PL-330-2	X	0	0	0
29	COR-PL-330-3	X	0	0	0
30	COR-PL-330-4	X	0	0	0
31	FM-0	X	0	0	0
32	FM-120	X	0	0	0
33	FM-240	X	0	0	0
34	GRATE-H-90-1	X	0	0	0
35	GRATE-H-90-2	X	0	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	0	0	0
39	GRATE-H-330-2	X	0	0	0
40	HR-0	X	0	0	0
41	HR-120	X	0	0	0
42	HR-240	X	0	0	0
43	KICK-1	X	0	0	0
44	KICK-2	X	0	0	0
45	KICK-3	X	0	0	0
46	KICK-PL-1	X	0	0	0
47	KICK-PL-2	X	0	0	0
48	KICK-PL-3	X	0	0	0
49	KICK-PL-4	X	0	0	0
50	KICK-PL-5	X	0	0	0
51	KICK-PL-6	X	0	0	0
52	SA-1	X	0	0	0
53	SA-2	X	0	0	0
54	SA-3	X	0	0	0
55	PL-90-1	X	0	0	0
56	PL-90-2	X	0	0	0
57	PL-330-1	X	0	0	0
58	PL-330-2	X	0	0	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	-2.6	-2.6	0
62	BRACE-2	Z	-2.6	-2.6	0
63	BRACE-3	Z	0	0	0
64	CONN-PL-60-1	Z	-2.1	-2.1	0
65	CONN-PL-60-2	Z	-2.1	-2.1	0
66	CONN-PL-90-1	Z	0	0	0
67	CONN-PL-90-2	Z	0	0	0
68	CONN-PL-180-1	Z	-4.2	-4.2	0
69	CONN-PL-180-2	Z	-4.2	-4.2	0
70	CONN-PL-210-1	Z	-3.6	-3.6	0
71	CONN-PL-210-2	Z	-3.6	-3.6	0
72	CONN-PL-300-1	Z	-2.1	-2.1	0
73	CONN-PL-300-2	Z	-2.1	-2.1	0
74	CONN-PL-330-1	Z	-3.6	-3.6	0



Member Distributed Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
75	CONN-PL-330-2	Z	-3.6	-3.6	0	0
76	COR-1	Z	-2	-2	0	0
77	COR-2	Z	-2	-2	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	-3.6	-3.6	0	0
84	COR-PL-210-2	Z	-3.6	-3.6	0	0
85	COR-PL-210-3	Z	-3.6	-3.6	0	0
86	COR-PL-210-4	Z	-3.6	-3.6	0	0
87	COR-PL-330-1	Z	-3.6	-3.6	0	0
88	COR-PL-330-2	Z	-3.6	-3.6	0	0
89	COR-PL-330-3	Z	-3.6	-3.6	0	0
90	COR-PL-330-4	Z	-3.6	-3.6	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	-2.9	-2.9	0	0
93	FM-240	Z	-2.9	-2.9	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	-2.5	-2.5	0	0
97	GRATE-H-210-2	Z	-2.5	-2.5	0	0
98	GRATE-H-330-1	Z	-2.5	-2.5	0	0
99	GRATE-H-330-2	Z	-2.5	-2.5	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	-2.3	-2.3	0	0
102	HR-240	Z	-2.3	-2.3	0	0
103	KICK-1	Z	-4.8	-4.8	0	0
104	KICK-2	Z	-4.8	-4.8	0	0
105	KICK-3	Z	-4.8	-4.8	0	0
106	KICK-PL-1	Z	-2.7	-2.7	0	0
107	KICK-PL-2	Z	-5.3	-5.3	0	0
108	KICK-PL-3	Z	-2.7	-2.7	0	0
109	KICK-PL-4	Z	-5.3	-5.3	0	0
110	KICK-PL-5	Z	-5.3	-5.3	0	0
111	KICK-PL-6	Z	-5.3	-5.3	0	0
112	SA-1	Z	-1.5	-1.5	0	0
113	SA-2	Z	-1.5	-1.5	0	0
114	SA-3	Z	-3	-3	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	-3.6	-3.6	0	0
118	PL-330-2	Z	-3.6	-3.6	0	0
119	PL-210-1	Z	-3.6	-3.6	0	0
120	PL-210-2	Z	-3.6	-3.6	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	1.5	1.5	0	0
2	BRACE-2	X	.7	.7	0	0
3	BRACE-3	X	.7	.7	0	0
4	CONN-PL-60-1	X	1.8	1.8	0	0
5	CONN-PL-60-2	X	1.8	1.8	0	0
6	CONN-PL-90-1	X	1	1	0	0
7	CONN-PL-90-2	X	1	1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
8	CONN-PL-180-1	X	1.8	1.8	0	0
9	CONN-PL-180-2	X	1.8	1.8	0	0
10	CONN-PL-210-1	X	2.1	2.1	0	0
11	CONN-PL-210-2	X	2.1	2.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	1	1	0	0
15	CONN-PL-330-2	X	1	1	0	0
16	COR-1	X	1.2	1.2	0	0
17	COR-2	X	.6	.6	0	0
18	COR-3	X	.6	.6	0	0
19	COR-PL-90-1	X	1	1	0	0
20	COR-PL-90-2	X	1	1	0	0
21	COR-PL-90-3	X	1	1	0	0
22	COR-PL-90-4	X	1	1	0	0
23	COR-PL-210-1	X	2.1	2.1	0	0
24	COR-PL-210-2	X	2.1	2.1	0	0
25	COR-PL-210-3	X	2.1	2.1	0	0
26	COR-PL-210-4	X	2.1	2.1	0	0
27	COR-PL-330-1	X	1	1	0	0
28	COR-PL-330-2	X	1	1	0	0
29	COR-PL-330-3	X	1	1	0	0
30	COR-PL-330-4	X	1	1	0	0
31	FM-0	X	.8	.8	0	0
32	FM-120	X	1.7	1.7	0	0
33	FM-240	X	.8	.8	0	0
34	GRATE-H-90-1	X	.7	.7	0	0
35	GRATE-H-90-2	X	.7	.7	0	0
36	GRATE-H-210-1	X	1.5	1.5	0	0
37	GRATE-H-210-2	X	1.5	1.5	0	0
38	GRATE-H-330-1	X	.7	.7	0	0
39	GRATE-H-330-2	X	.7	.7	0	0
40	HR-0	X	.7	.7	0	0
41	HR-120	X	1.3	1.3	0	0
42	HR-240	X	.7	.7	0	0
43	KICK-1	X	2.4	2.4	0	0
44	KICK-2	X	2.4	2.4	0	0
45	KICK-3	X	2.4	2.4	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	2.7	2.7	0	0
48	KICK-PL-3	X	2.3	2.3	0	0
49	KICK-PL-4	X	2.7	2.7	0	0
50	KICK-PL-5	X	2.3	2.3	0	0
51	KICK-PL-6	X	2.7	2.7	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	1.3	1.3	0	0
54	SA-3	X	1.3	1.3	0	0
55	PL-90-1	X	1	1	0	0
56	PL-90-2	X	1	1	0	0
57	PL-330-1	X	1	1	0	0
58	PL-330-2	X	1	1	0	0
59	PL-210-1	X	2.1	2.1	0	0
60	PL-210-2	X	2.1	2.1	0	0
61	BRACE-1	Z	-2.6	-2.6	0	0
62	BRACE-2	Z	-1.3	-1.3	0	0
63	BRACE-3	Z	-1.3	-1.3	0	0
64	CONN-PL-60-1	Z	-3.1	-3.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
65	CONN-PL-60-2	Z	-3.1	-3.1	0	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0	0
68	CONN-PL-180-1	Z	-3.1	-3.1	0	0
69	CONN-PL-180-2	Z	-3.1	-3.1	0	0
70	CONN-PL-210-1	Z	-3.6	-3.6	0	0
71	CONN-PL-210-2	Z	-3.6	-3.6	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	-1.8	-1.8	0	0
75	CONN-PL-330-2	Z	-1.8	-1.8	0	0
76	COR-1	Z	-2	-2	0	0
77	COR-2	Z	-1	-1	0	0
78	COR-3	Z	-1	-1	0	0
79	COR-PL-90-1	Z	-1.8	-1.8	0	0
80	COR-PL-90-2	Z	-1.8	-1.8	0	0
81	COR-PL-90-3	Z	-1.8	-1.8	0	0
82	COR-PL-90-4	Z	-1.8	-1.8	0	0
83	COR-PL-210-1	Z	-3.6	-3.6	0	0
84	COR-PL-210-2	Z	-3.6	-3.6	0	0
85	COR-PL-210-3	Z	-3.6	-3.6	0	0
86	COR-PL-210-4	Z	-3.6	-3.6	0	0
87	COR-PL-330-1	Z	-1.8	-1.8	0	0
88	COR-PL-330-2	Z	-1.8	-1.8	0	0
89	COR-PL-330-3	Z	-1.8	-1.8	0	0
90	COR-PL-330-4	Z	-1.8	-1.8	0	0
91	FM-0	Z	-1.4	-1.4	0	0
92	FM-120	Z	-2.9	-2.9	0	0
93	FM-240	Z	-1.4	-1.4	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0	0
95	GRATE-H-90-2	Z	-1.3	-1.3	0	0
96	GRATE-H-210-1	Z	-2.5	-2.5	0	0
97	GRATE-H-210-2	Z	-2.5	-2.5	0	0
98	GRATE-H-330-1	Z	-1.3	-1.3	0	0
99	GRATE-H-330-2	Z	-1.3	-1.3	0	0
100	HR-0	Z	-1.2	-1.2	0	0
101	HR-120	Z	-2.3	-2.3	0	0
102	HR-240	Z	-1.2	-1.2	0	0
103	KICK-1	Z	-4.1	-4.1	0	0
104	KICK-2	Z	-4.1	-4.1	0	0
105	KICK-3	Z	-4.1	-4.1	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	-4.6	-4.6	0	0
108	KICK-PL-3	Z	-4	-4	0	0
109	KICK-PL-4	Z	-4.6	-4.6	0	0
110	KICK-PL-5	Z	-4	-4	0	0
111	KICK-PL-6	Z	-4.6	-4.6	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	-2.2	-2.2	0	0
114	SA-3	Z	-2.2	-2.2	0	0
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	-1.8	-1.8	0	0
118	PL-330-2	Z	-1.8	-1.8	0	0
119	PL-210-1	Z	-3.6	-3.6	0	0
120	PL-210-2	Z	-3.6	-3.6	0	0

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg))

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	X	2.2	2.2	0	0
2 BRACE-2	X	0	0	0	0
3 BRACE-3	X	2.2	2.2	0	0
4 CONN-PL-60-1	X	3.6	3.6	0	0
5 CONN-PL-60-2	X	3.6	3.6	0	0
6 CONN-PL-90-1	X	3.1	3.1	0	0
7 CONN-PL-90-2	X	3.1	3.1	0	0
8 CONN-PL-180-1	X	1.8	1.8	0	0
9 CONN-PL-180-2	X	1.8	1.8	0	0
10 CONN-PL-210-1	X	3.1	3.1	0	0
11 CONN-PL-210-2	X	3.1	3.1	0	0
12 CONN-PL-300-1	X	1.8	1.8	0	0
13 CONN-PL-300-2	X	1.8	1.8	0	0
14 CONN-PL-330-1	X	0	0	0	0
15 CONN-PL-330-2	X	0	0	0	0
16 COR-1	X	1.8	1.8	0	0
17 COR-2	X	0	0	0	0
18 COR-3	X	1.8	1.8	0	0
19 COR-PL-90-1	X	3.1	3.1	0	0
20 COR-PL-90-2	X	3.1	3.1	0	0
21 COR-PL-90-3	X	3.1	3.1	0	0
22 COR-PL-90-4	X	3.1	3.1	0	0
23 COR-PL-210-1	X	3.1	3.1	0	0
24 COR-PL-210-2	X	3.1	3.1	0	0
25 COR-PL-210-3	X	3.1	3.1	0	0
26 COR-PL-210-4	X	3.1	3.1	0	0
27 COR-PL-330-1	X	0	0	0	0
28 COR-PL-330-2	X	0	0	0	0
29 COR-PL-330-3	X	0	0	0	0
30 COR-PL-330-4	X	0	0	0	0
31 FM-0	X	2.5	2.5	0	0
32 FM-120	X	2.5	2.5	0	0
33 FM-240	X	0	0	0	0
34 GRATE-H-90-1	X	2.2	2.2	0	0
35 GRATE-H-90-2	X	2.2	2.2	0	0
36 GRATE-H-210-1	X	2.2	2.2	0	0
37 GRATE-H-210-2	X	2.2	2.2	0	0
38 GRATE-H-330-1	X	0	0	0	0
39 GRATE-H-330-2	X	0	0	0	0
40 HR-0	X	2	2	0	0
41 HR-120	X	2	2	0	0
42 HR-240	X	0	0	0	0
43 KICK-1	X	4.1	4.1	0	0
44 KICK-2	X	4.1	4.1	0	0
45 KICK-3	X	4.1	4.1	0	0
46 KICK-PL-1	X	2.3	2.3	0	0
47 KICK-PL-2	X	4.6	4.6	0	0
48 KICK-PL-3	X	4.6	4.6	0	0
49 KICK-PL-4	X	4.6	4.6	0	0
50 KICK-PL-5	X	2.3	2.3	0	0
51 KICK-PL-6	X	4.6	4.6	0	0
52 SA-1	X	1.3	1.3	0	0
53 SA-2	X	2.6	2.6	0	0
54 SA-3	X	1.3	1.3	0	0
55 PL-90-1	X	3.1	3.1	0	0
56 PL-90-2	X	3.1	3.1	0	0
57 PL-330-1	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
58	PL-330-2	X	0	0	0
59	PL-210-1	X	3.1	3.1	0
60	PL-210-2	X	3.1	3.1	0
61	BRACE-1	Z	-1.3	-1.3	0
62	BRACE-2	Z	0	0	0
63	BRACE-3	Z	-1.3	-1.3	0
64	CONN-PL-60-1	Z	-2.1	-2.1	0
65	CONN-PL-60-2	Z	-2.1	-2.1	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0
68	CONN-PL-180-1	Z	-1	-1	0
69	CONN-PL-180-2	Z	-1	-1	0
70	CONN-PL-210-1	Z	-1.8	-1.8	0
71	CONN-PL-210-2	Z	-1.8	-1.8	0
72	CONN-PL-300-1	Z	-1	-1	0
73	CONN-PL-300-2	Z	-1	-1	0
74	CONN-PL-330-1	Z	0	0	0
75	CONN-PL-330-2	Z	0	0	0
76	COR-1	Z	-1	-1	0
77	COR-2	Z	0	0	0
78	COR-3	Z	-1	-1	0
79	COR-PL-90-1	Z	-1.8	-1.8	0
80	COR-PL-90-2	Z	-1.8	-1.8	0
81	COR-PL-90-3	Z	-1.8	-1.8	0
82	COR-PL-90-4	Z	-1.8	-1.8	0
83	COR-PL-210-1	Z	-1.8	-1.8	0
84	COR-PL-210-2	Z	-1.8	-1.8	0
85	COR-PL-210-3	Z	-1.8	-1.8	0
86	COR-PL-210-4	Z	-1.8	-1.8	0
87	COR-PL-330-1	Z	0	0	0
88	COR-PL-330-2	Z	0	0	0
89	COR-PL-330-3	Z	0	0	0
90	COR-PL-330-4	Z	0	0	0
91	FM-0	Z	-1.4	-1.4	0
92	FM-120	Z	-1.4	-1.4	0
93	FM-240	Z	0	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0
95	GRATE-H-90-2	Z	-1.3	-1.3	0
96	GRATE-H-210-1	Z	-1.3	-1.3	0
97	GRATE-H-210-2	Z	-1.3	-1.3	0
98	GRATE-H-330-1	Z	0	0	0
99	GRATE-H-330-2	Z	0	0	0
100	HR-0	Z	-1.2	-1.2	0
101	HR-120	Z	-1.2	-1.2	0
102	HR-240	Z	0	0	0
103	KICK-1	Z	-2.4	-2.4	0
104	KICK-2	Z	-2.4	-2.4	0
105	KICK-3	Z	-2.4	-2.4	0
106	KICK-PL-1	Z	-1.3	-1.3	0
107	KICK-PL-2	Z	-2.7	-2.7	0
108	KICK-PL-3	Z	-2.7	-2.7	0
109	KICK-PL-4	Z	-2.7	-2.7	0
110	KICK-PL-5	Z	-1.3	-1.3	0
111	KICK-PL-6	Z	-2.7	-2.7	0
112	SA-1	Z	-7	-7	0
113	SA-2	Z	-1.5	-1.5	0
114	SA-3	Z	-7	-7	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	-1.8	-1.8	0	0
120	PL-210-2	Z	-1.8	-1.8	0	0

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-2	Y	-0.002	-1.106	0	4.142
2	BRACE-2	Y	-1.106	-3.369	4.142	8.284
3	BRACE-2	Y	-3.369	-7.708	8.284	12.426
4	BRACE-2	Y	-7.708	-11.112	12.426	16.569
5	BRACE-2	Y	-11.112	-15.214	16.569	20.711
6	BRACE-2	Y	-15.214	-19.648	20.711	24.853
7	BRACE-2	Y	-19.648	-24.207	24.853	28.995
8	BRACE-2	Y	-24.207	-29.448	28.995	33.137
9	BRACE-2	Y	-29.448	-35.087	33.137	37.279
10	BRACE-2	Y	-35.087	-41.21	37.279	41.422
11	BRACE-2	Y	-41.21	-47.689	41.422	45.564
12	BRACE-2	Y	-47.689	-54.401	45.564	49.706
13	BRACE-2	Y	-54.401	-61.307	49.706	53.848
14	GRATE-H-90-2	Y	-0.009	-1.143	0	4.226
15	GRATE-H-90-2	Y	-1.143	-3.369	4.226	8.453
16	GRATE-H-90-2	Y	-3.369	-7.498	8.453	12.679
17	GRATE-H-90-2	Y	-7.498	-11.6	12.679	16.906
18	GRATE-H-90-2	Y	-11.6	-15.737	16.906	21.132
19	GRATE-H-90-2	Y	-15.737	-19.924	21.132	25.359
20	GRATE-H-90-2	Y	-19.924	-24.123	25.359	29.585
21	GRATE-H-90-2	Y	-24.123	-28.225	29.585	33.811
22	GRATE-H-90-2	Y	-28.225	-32.209	33.811	38.038
23	GRATE-H-90-2	Y	-32.209	-36.813	38.038	42.264
24	GRATE-H-90-2	Y	-36.813	-41.342	42.264	46.491
25	GRATE-H-90-2	Y	-41.342	-45.025	46.491	50.717
26	GRATE-H-210-1	Y	-0.006	-1.14	0	4.226
27	GRATE-H-210-1	Y	-1.14	-3.369	4.226	8.453
28	GRATE-H-210-1	Y	-3.369	-7.499	8.453	12.679
29	GRATE-H-210-1	Y	-7.499	-11.61	12.679	16.906
30	GRATE-H-210-1	Y	-11.61	-15.775	16.906	21.132
31	GRATE-H-210-1	Y	-15.775	-19.922	21.132	25.358
32	GRATE-H-210-1	Y	-19.922	-24.166	25.358	29.585
33	GRATE-H-210-1	Y	-24.166	-28.288	29.585	33.811
34	GRATE-H-210-1	Y	-28.288	-32.042	33.811	38.038
35	GRATE-H-210-1	Y	-32.042	-35.638	38.038	42.264
36	GRATE-H-210-1	Y	-35.638	-39.284	42.264	46.49
37	GRATE-H-210-1	Y	-39.284	-42.006	46.49	50.717
38	SA-2	Y	-0.058	-1.325	0	4.15
39	SA-2	Y	-1.325	-3.631	4.15	8.3
40	SA-2	Y	-3.631	-7.11	8.3	12.45
41	SA-2	Y	-7.11	-10.423	12.45	16.6
42	SA-2	Y	-10.423	-13.646	16.6	20.75
43	SA-2	Y	-13.646	-16.988	20.75	24.9
44	SA-2	Y	-16.988	-20.293	24.9	29.05
45	SA-2	Y	-20.293	-23.484	29.05	33.2
46	SA-2	Y	-23.484	-26.894	33.2	37.35
47	SA-2	Y	-26.894	-30.798	37.35	41.5



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
48	SA-2	Y	- .798	- .163	41.5	45.65
49	SA-2	Y	- .163	- .006	45.65	49.8
50	BRACE-3	Y	- .002	- .106	0	4.142
51	BRACE-3	Y	- .106	- .369	4.142	8.284
52	BRACE-3	Y	- .369	- .708	8.284	12.426
53	BRACE-3	Y	- .708	- 1.112	12.426	16.569
54	BRACE-3	Y	- 1.112	- 1.214	16.569	20.711
55	BRACE-3	Y	- 1.214	- .648	20.711	24.853
56	BRACE-3	Y	- .648	- .207	24.853	28.995
57	BRACE-3	Y	- .207	- .448	28.995	33.137
58	BRACE-3	Y	- .448	- 1.087	33.137	37.279
59	BRACE-3	Y	- 1.087	- 1.21	37.279	41.422
60	BRACE-3	Y	- 1.21	- .689	41.422	45.564
61	BRACE-3	Y	- .689	- .401	45.564	49.706
62	BRACE-3	Y	- .401	- .307	49.706	53.848
63	GRATE-H-210-2	Y	- .009	- .143	0	4.226
64	GRATE-H-210-2	Y	- .143	- .369	4.226	8.453
65	GRATE-H-210-2	Y	- .369	- .498	8.453	12.679
66	GRATE-H-210-2	Y	- .498	- .599	12.679	16.906
67	GRATE-H-210-2	Y	- .599	- .738	16.906	21.132
68	GRATE-H-210-2	Y	- .738	- .925	21.132	25.359
69	GRATE-H-210-2	Y	- .925	- 1.122	25.359	29.585
70	GRATE-H-210-2	Y	- 1.122	- 1.224	29.585	33.811
71	GRATE-H-210-2	Y	- 1.224	- 1.208	33.811	38.038
72	GRATE-H-210-2	Y	- 1.208	- .813	38.038	42.264
73	GRATE-H-210-2	Y	- .813	- .342	42.264	46.491
74	GRATE-H-210-2	Y	- .342	- .025	46.491	50.717
75	GRATE-H-330-1	Y	- .006	- .14	0	4.226
76	GRATE-H-330-1	Y	- .14	- .369	4.226	8.453
77	GRATE-H-330-1	Y	- .369	- .499	8.453	12.679
78	GRATE-H-330-1	Y	- .499	- .61	12.679	16.906
79	GRATE-H-330-1	Y	- .61	- .775	16.906	21.132
80	GRATE-H-330-1	Y	- .775	- .922	21.132	25.358
81	GRATE-H-330-1	Y	- .922	- 1.166	25.358	29.585
82	GRATE-H-330-1	Y	- 1.166	- 1.288	29.585	33.811
83	GRATE-H-330-1	Y	- 1.288	- 1.042	33.811	38.038
84	GRATE-H-330-1	Y	- 1.042	- .638	38.038	42.264
85	GRATE-H-330-1	Y	- .638	- .284	42.264	46.49
86	GRATE-H-330-1	Y	- .284	- .006	46.49	50.717
87	SA-3	Y	- .058	- .325	0	4.15
88	SA-3	Y	- .325	- .631	4.15	8.3
89	SA-3	Y	- .631	- 1.1	8.3	12.45
90	SA-3	Y	- 1.1	- 1.422	12.45	16.6
91	SA-3	Y	- 1.422	- 1.646	16.6	20.75
92	SA-3	Y	- 1.646	- 1.99	20.75	24.9
93	SA-3	Y	- 1.99	- 2.294	24.9	29.05
94	SA-3	Y	- 2.294	- 2.483	29.05	33.2
95	SA-3	Y	- 2.483	- 1.893	33.2	37.35
96	SA-3	Y	- 1.893	- .798	37.35	41.5
97	SA-3	Y	- .798	- .163	41.5	45.65
98	SA-3	Y	- .163	- .006	45.65	49.8
99	BRACE-1	Y	- .002	- .106	0	4.142
100	BRACE-1	Y	- .106	- .369	4.142	8.284
101	BRACE-1	Y	- .369	- .708	8.284	12.426
102	BRACE-1	Y	- .708	- 1.112	12.426	16.569
103	BRACE-1	Y	- 1.112	- 1.214	16.569	20.711
104	BRACE-1	Y	- 1.214	- .648	20.711	24.853



Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
105	BRACE-1	Y	-0.648	-0.207	24.853	28.995
106	BRACE-1	Y	-0.207	-0.448	28.995	33.137
107	BRACE-1	Y	-0.448	-1.087	33.137	37.279
108	BRACE-1	Y	-1.087	-1.21	37.279	41.422
109	BRACE-1	Y	-1.21	-0.689	41.422	45.564
110	BRACE-1	Y	-0.689	-0.401	45.564	49.706
111	BRACE-1	Y	-0.401	-0.307	49.706	53.848
112	GRATE-H-90-1	Y	-0.006	-0.14	0	4.226
113	GRATE-H-90-1	Y	-0.14	-0.369	4.226	8.453
114	GRATE-H-90-1	Y	-0.369	-0.499	8.453	12.679
115	GRATE-H-90-1	Y	-0.499	-0.61	12.679	16.906
116	GRATE-H-90-1	Y	-0.61	-0.775	16.906	21.132
117	GRATE-H-90-1	Y	-0.775	-0.922	21.132	25.358
118	GRATE-H-90-1	Y	-0.922	-1.166	25.358	29.585
119	GRATE-H-90-1	Y	-1.166	-1.288	29.585	33.811
120	GRATE-H-90-1	Y	-1.288	-1.042	33.811	38.038
121	GRATE-H-90-1	Y	-1.042	-0.638	38.038	42.264
122	GRATE-H-90-1	Y	-0.638	-0.284	42.264	46.49
123	GRATE-H-90-1	Y	-0.284	-0.006	46.49	50.717
124	GRATE-H-330-2	Y	-0.009	-0.143	0	4.226
125	GRATE-H-330-2	Y	-0.143	-0.369	4.226	8.453
126	GRATE-H-330-2	Y	-0.369	-0.498	8.453	12.679
127	GRATE-H-330-2	Y	-0.498	-0.599	12.679	16.906
128	GRATE-H-330-2	Y	-0.599	-0.738	16.906	21.132
129	GRATE-H-330-2	Y	-0.738	-0.925	21.132	25.359
130	GRATE-H-330-2	Y	-0.925	-1.122	25.359	29.585
131	GRATE-H-330-2	Y	-1.122	-1.224	29.585	33.811
132	GRATE-H-330-2	Y	-1.224	-1.208	33.811	38.038
133	GRATE-H-330-2	Y	-1.208	-0.813	38.038	42.264
134	GRATE-H-330-2	Y	-0.813	-0.342	42.264	46.491
135	GRATE-H-330-2	Y	-0.342	-0.025	46.491	50.717
136	SA-1	Y	-0.058	-0.325	0	4.15
137	SA-1	Y	-0.325	-0.631	4.15	8.3
138	SA-1	Y	-0.631	-1.1	8.3	12.45
139	SA-1	Y	-1.1	-1.422	12.45	16.6
140	SA-1	Y	-1.422	-1.646	16.6	20.75
141	SA-1	Y	-1.646	-1.99	20.75	24.9
142	SA-1	Y	-1.99	-2.294	24.9	29.05
143	SA-1	Y	-2.294	-2.483	29.05	33.2
144	SA-1	Y	-2.483	-1.893	33.2	37.35
145	SA-1	Y	-1.893	-0.798	37.35	41.5
146	SA-1	Y	-0.798	-0.163	41.5	45.65
147	SA-1	Y	-0.163	-0.006	45.65	49.8

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
1	BRACE-2	Y	-0.011	-0.65	0	4.142
2	BRACE-2	Y	-0.65	-2.267	4.142	8.284
3	BRACE-2	Y	-2.267	-4.348	8.284	12.426
4	BRACE-2	Y	-4.348	-6.829	12.426	16.569
5	BRACE-2	Y	-6.829	-7.457	16.569	20.711
6	BRACE-2	Y	-7.457	-3.979	20.711	24.853
7	BRACE-2	Y	-3.979	-1.273	24.853	28.995
8	BRACE-2	Y	-1.273	-2.749	28.995	33.137
9	BRACE-2	Y	-2.749	-6.678	33.137	37.279
10	BRACE-2	Y	-6.678	-7.435	37.279	41.422



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
11	BRACE-2	Y	-7.435	-4.233	41.422	45.564
12	BRACE-2	Y	-4.233	-2.461	45.564	49.706
13	BRACE-2	Y	-2.461	-1.887	49.706	53.848
14	GRATE-H-90-2	Y	-.052	-.876	0	4.226
15	GRATE-H-90-2	Y	-.876	-2.268	4.226	8.453
16	GRATE-H-90-2	Y	-2.268	-3.056	8.453	12.679
17	GRATE-H-90-2	Y	-3.056	-3.683	12.679	16.906
18	GRATE-H-90-2	Y	-3.683	-4.529	16.906	21.132
19	GRATE-H-90-2	Y	-4.529	-5.678	21.132	25.359
20	GRATE-H-90-2	Y	-5.678	-6.897	25.359	29.585
21	GRATE-H-90-2	Y	-6.897	-7.526	29.585	33.811
22	GRATE-H-90-2	Y	-7.526	-7.425	33.811	38.038
23	GRATE-H-90-2	Y	-7.425	-4.995	38.038	42.264
24	GRATE-H-90-2	Y	-4.995	-2.098	42.264	46.491
25	GRATE-H-90-2	Y	-2.098	-.152	46.491	50.717
26	GRATE-H-210-1	Y	-.037	-.86	0	4.226
27	GRATE-H-210-1	Y	-.86	-2.264	4.226	8.453
28	GRATE-H-210-1	Y	-2.264	-3.067	8.453	12.679
29	GRATE-H-210-1	Y	-3.067	-3.75	12.679	16.906
30	GRATE-H-210-1	Y	-3.75	-4.758	16.906	21.132
31	GRATE-H-210-1	Y	-4.758	-5.666	21.132	25.358
32	GRATE-H-210-1	Y	-5.666	-7.161	25.358	29.585
33	GRATE-H-210-1	Y	-7.161	-7.914	29.585	33.811
34	GRATE-H-210-1	Y	-7.914	-6.402	33.811	38.038
35	GRATE-H-210-1	Y	-6.402	-3.921	38.038	42.264
36	GRATE-H-210-1	Y	-3.921	-1.743	42.264	46.49
37	GRATE-H-210-1	Y	-1.743	-.037	46.49	50.717
38	SA-2	Y	-.356	-1.998	0	4.15
39	SA-2	Y	-1.998	-3.874	4.15	8.3
40	SA-2	Y	-3.874	-6.76	8.3	12.45
41	SA-2	Y	-6.76	-8.739	12.45	16.6
42	SA-2	Y	-8.739	-10.11	16.6	20.75
43	SA-2	Y	-10.11	-12.214	20.75	24.9
44	SA-2	Y	-12.214	-14.086	24.9	29.05
45	SA-2	Y	-14.086	-15.256	29.05	33.2
46	SA-2	Y	-15.256	-11.632	33.2	37.35
47	SA-2	Y	-11.632	-4.899	37.35	41.5
48	SA-2	Y	-4.899	-1.001	41.5	45.65
49	SA-2	Y	-1.001	-.034	45.65	49.8
50	BRACE-3	Y	-.011	-.65	0	4.142
51	BRACE-3	Y	-.65	-2.267	4.142	8.284
52	BRACE-3	Y	-2.267	-4.348	8.284	12.426
53	BRACE-3	Y	-4.348	-6.829	12.426	16.569
54	BRACE-3	Y	-6.829	-7.457	16.569	20.711
55	BRACE-3	Y	-7.457	-3.979	20.711	24.853
56	BRACE-3	Y	-3.979	-1.273	24.853	28.995
57	BRACE-3	Y	-1.273	-2.749	28.995	33.137
58	BRACE-3	Y	-2.749	-6.678	33.137	37.279
59	BRACE-3	Y	-6.678	-7.434	37.279	41.422
60	BRACE-3	Y	-7.434	-4.232	41.422	45.564
61	BRACE-3	Y	-4.232	-2.461	45.564	49.706
62	BRACE-3	Y	-2.461	-1.887	49.706	53.848
63	GRATE-H-210-2	Y	-.052	-.876	0	4.226
64	GRATE-H-210-2	Y	-.876	-2.268	4.226	8.453
65	GRATE-H-210-2	Y	-2.268	-3.056	8.453	12.679
66	GRATE-H-210-2	Y	-3.056	-3.682	12.679	16.906
67	GRATE-H-210-2	Y	-3.682	-4.532	16.906	21.132



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
68	GRATE-H-210-2	Y	-4.532	-5.68	21.132	25.359
69	GRATE-H-210-2	Y	-5.68	-6.892	25.359	29.585
70	GRATE-H-210-2	Y	-6.892	-7.521	29.585	33.811
71	GRATE-H-210-2	Y	-7.521	-7.423	33.811	38.038
72	GRATE-H-210-2	Y	-7.423	-4.995	38.038	42.264
73	GRATE-H-210-2	Y	-4.995	-2.098	42.264	46.491
74	GRATE-H-210-2	Y	-2.098	-.152	46.491	50.717
75	GRATE-H-330-1	Y	-.037	-.86	0	4.226
76	GRATE-H-330-1	Y	-.86	-2.264	4.226	8.453
77	GRATE-H-330-1	Y	-2.264	-3.067	8.453	12.679
78	GRATE-H-330-1	Y	-3.067	-3.75	12.679	16.906
79	GRATE-H-330-1	Y	-3.75	-4.758	16.906	21.132
80	GRATE-H-330-1	Y	-4.758	-5.666	21.132	25.358
81	GRATE-H-330-1	Y	-5.666	-7.161	25.358	29.585
82	GRATE-H-330-1	Y	-7.161	-7.914	29.585	33.811
83	GRATE-H-330-1	Y	-7.914	-6.402	33.811	38.038
84	GRATE-H-330-1	Y	-6.402	-3.921	38.038	42.264
85	GRATE-H-330-1	Y	-3.921	-1.743	42.264	46.49
86	GRATE-H-330-1	Y	-1.743	-.037	46.49	50.717
87	SA-3	Y	-.356	-1.998	0	4.15
88	SA-3	Y	-1.998	-3.874	4.15	8.3
89	SA-3	Y	-3.874	-6.759	8.3	12.45
90	SA-3	Y	-6.759	-8.735	12.45	16.6
91	SA-3	Y	-8.735	-10.113	16.6	20.75
92	SA-3	Y	-10.113	-12.223	20.75	24.9
93	SA-3	Y	-12.223	-14.089	24.9	29.05
94	SA-3	Y	-14.089	-15.255	29.05	33.2
95	SA-3	Y	-15.255	-11.631	33.2	37.35
96	SA-3	Y	-11.631	-4.899	37.35	41.5
97	SA-3	Y	-4.899	-1.001	41.5	45.65
98	SA-3	Y	-1.001	-.034	45.65	49.8
99	BRACE-1	Y	-.011	-.65	0	4.142
100	BRACE-1	Y	-.65	-2.267	4.142	8.284
101	BRACE-1	Y	-2.267	-4.348	8.284	12.426
102	BRACE-1	Y	-4.348	-6.829	12.426	16.569
103	BRACE-1	Y	-6.829	-7.457	16.569	20.711
104	BRACE-1	Y	-7.457	-3.979	20.711	24.853
105	BRACE-1	Y	-3.979	-1.273	24.853	28.995
106	BRACE-1	Y	-1.273	-2.749	28.995	33.137
107	BRACE-1	Y	-2.749	-6.678	33.137	37.279
108	BRACE-1	Y	-6.678	-7.434	37.279	41.422
109	BRACE-1	Y	-7.434	-4.232	41.422	45.564
110	BRACE-1	Y	-4.232	-2.461	45.564	49.706
111	BRACE-1	Y	-2.461	-1.887	49.706	53.848
112	GRATE-H-90-1	Y	-.037	-.86	0	4.226
113	GRATE-H-90-1	Y	-.86	-2.264	4.226	8.453
114	GRATE-H-90-1	Y	-2.264	-3.067	8.453	12.679
115	GRATE-H-90-1	Y	-3.067	-3.75	12.679	16.906
116	GRATE-H-90-1	Y	-3.75	-4.758	16.906	21.132
117	GRATE-H-90-1	Y	-4.758	-5.666	21.132	25.358
118	GRATE-H-90-1	Y	-5.666	-7.161	25.358	29.585
119	GRATE-H-90-1	Y	-7.161	-7.914	29.585	33.811
120	GRATE-H-90-1	Y	-7.914	-6.402	33.811	38.038
121	GRATE-H-90-1	Y	-6.402	-3.921	38.038	42.264
122	GRATE-H-90-1	Y	-3.921	-1.743	42.264	46.49
123	GRATE-H-90-1	Y	-1.743	-.037	46.49	50.717
124	GRATE-H-330-2	Y	-.052	-.876	0	4.226



Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
125	GRATE-H-330-2	Y	- .876	-2.268	4.226	8.453
126	GRATE-H-330-2	Y	-2.268	-3.056	8.453	12.679
127	GRATE-H-330-2	Y	-3.056	-3.682	12.679	16.906
128	GRATE-H-330-2	Y	-3.682	-4.532	16.906	21.132
129	GRATE-H-330-2	Y	-4.532	-5.68	21.132	25.359
130	GRATE-H-330-2	Y	-5.68	-6.892	25.359	29.585
131	GRATE-H-330-2	Y	-6.892	-7.521	29.585	33.811
132	GRATE-H-330-2	Y	-7.521	-7.423	33.811	38.038
133	GRATE-H-330-2	Y	-7.423	-4.995	38.038	42.264
134	GRATE-H-330-2	Y	-4.995	-2.098	42.264	46.491
135	GRATE-H-330-2	Y	-2.098	-1.152	46.491	50.717
136	SA-1	Y	- .356	-1.998	0	4.15
137	SA-1	Y	-1.998	-3.874	4.15	8.3
138	SA-1	Y	-3.874	-6.759	8.3	12.45
139	SA-1	Y	-6.759	-8.735	12.45	16.6
140	SA-1	Y	-8.735	-10.113	16.6	20.75
141	SA-1	Y	-10.113	-12.223	20.75	24.9
142	SA-1	Y	-12.223	-14.089	24.9	29.05
143	SA-1	Y	-14.089	-15.255	29.05	33.2
144	SA-1	Y	-15.255	-11.631	33.2	37.35
145	SA-1	Y	-11.631	-4.899	37.35	41.5
146	SA-1	Y	-4.899	-1.001	41.5	45.65
147	SA-1	Y	-1.001	-.034	45.65	49.8

Member Area Loads (BLC 1 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N117	N118	N113		Y	Two Way	-1.75
2	N9	N13	N14		Y	Two Way	-1.75
3	N140	N135	N139		Y	Two Way	-1.75

Member Area Loads (BLC 14 : Ice Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N117	N118	N113		Y	Two Way	-10.75
2	N9	N13	N14		Y	Two Way	-10.75
3	N140	N135	N139		Y	Two Way	-10.75

Basic Load Cases

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...Surface(...
1	Dead Load	None	-1			19		3
2	Wind Load (0 deg)	None				41	120	
3	Wind Load (30 deg)	None				41	120	
4	Wind Load (60 deg)	None				41	120	
5	Wind Load (90 deg)	None				41	120	
6	Wind Load (120 deg)	None				41	120	
7	Wind Load (150 deg)	None				41	120	
8	Wind Load (180 deg)	None				41	120	
9	Wind Load (210 deg)	None				41	120	
10	Wind Load (240 deg)	None				41	120	
11	Wind Load (270 deg)	None				41	120	
12	Wind Load (300 deg)	None				41	120	
13	Wind Load (330 deg)	None				41	120	
14	Ice Load	None				19	60	3
15	Wind on Ice (0 deg)	None				41	120	



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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
16	Wind on Ice (30 deg)	None					41	120		
17	Wind on Ice (60 deg)	None					41	120		
18	Wind on Ice (90 deg)	None					41	120		
19	Wind on Ice (120 deg)	None					41	120		
20	Wind on Ice (150 deg)	None					41	120		
21	Wind on Ice (180 deg)	None					41	120		
22	Wind on Ice (210 deg)	None					41	120		
23	Wind on Ice (240 deg)	None					41	120		
24	Wind on Ice (270 deg)	None					41	120		
25	Wind on Ice (300 deg)	None					41	120		
26	Wind on Ice (330 deg)	None					41	120		
27	Horizontal Seismic, Eh (0)	None	1				38			
28	Horizontal Seismic, Eh (30)	None	.866		.5		38			
29	Horizontal Seismic, Eh (60)	None	.5		.866		38			
30	Horizontal Seismic, Eh (90)	None			1		38			
31	Horizontal Seismic, Eh (120)	None	-.5		.866		38			
32	Horizontal Seismic, Eh (150)	None	-.866		.5		38			
33	Horizontal Seismic, Eh (180)	None	-1				38			
34	Horizontal Seismic, Eh (210)	None	-.866		-.5		38			
35	Horizontal Seismic, Eh (240)	None	-.5		-.866		38			
36	Horizontal Seismic, Eh (270)	None			-1		38			
37	Horizontal Seismic, Eh (300)	None	.5		-.866		38			
38	Horizontal Seismic, Eh (330)	None	.866		-.5		38			
39	Maintenance Load, Lm (MP1)	None					1			
40	Maintenance Load, Lm (MP2)	None					1			
41	Maintenance Load, Lm (MP3)	None					1			
42	Maintenance Load, Lm (MP4)	None					1			
43	Maintenance Load, Lm (MP5)	None					1			
44	Maintenance Load, Lm (MP6)	None					1			
45	Maintenance Load, Lm (MP7)	None					1			
46	Maintenance Load, Lm (MP8)	None					1			
47	Maintenance Load, Lm (MP9)	None					1			
48	Maintenance Load, Lm (MP10)	None					1			
49	Maintenance Load, Lm (MP11)	None					1			
50	Maintenance Load, Lm (MP12)	None					1			
51	Maintenance Load, Lm (MP13)	None								
52	Maintenance Load, Lm (MP14)	None								
53	Maintenance Load, Lm (MP15)	None								
54	Maintenance Load, Lm (MP16)	None								
55	Maintenance Load, Lm (MP17)	None								
56	Maintenance Load, Lm (MP18)	None								
57	Maintenance Load, Lm (MP19)	None								
58	Maintenance Load, Lm (MP20)	None								
59	Maintenance Load, Lm (MP21)	None								
60	Maintenance Load, Lm (MP22)	None								
61	Maintenance Load, Lm (MP23)	None								
62	Maintenance Load, Lm (MP24)	None								
63	Maintenance Load, Lm (MP25)	None								
64	Maintenance Load, Lm (MP26)	None								
65	Maintenance Load, Lm (MP27)	None								
66	Maintenance Load, Lm (MP28)	None								
67	Maintenance Load, Lm (MP29)	None								
68	Maintenance Load, Lm (MP30)	None								
69	Maintenance Load, Lm (MP31)	None								
70	Maintenance Load, Lm (MP32)	None								
71	Maintenance Load, Lm (MP33)	None								
72	Maintenance Load, Lm (MP34)	None								



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Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
73 Maintenance Load, Lm (MP35)	None								
74 Maintenance Load, Lm (MP36)	None								
75 Maintenance Load, Lv (Pos. 1)	None					1			
76 Maintenance Load, Lv (Pos. 2)	None					1			
77 Maintenance Load, Lv (Pos. 3)	None					1			
78 Maintenance Load, Lv (Pos. 4)	None					1			
79 Maintenance Load, Lv (Pos. 5)	None					1			
80 Maintenance Load, Lv (Pos. 6)	None					1			
81 Maintenance Load, Lv (Pos. 7)	None					1			
82 Maintenance Load, Lv (Pos. 8)	None					1			
83 Maintenance Load, Lv (Pos. 9)	None					1			
84 Maintenance Load, Lv (Pos. 10)	None					1			
85 Maintenance Load, Lv (Pos. 11)	None					1			
86 Maintenance Load, Lv (Pos. 12)	None					1			
87 Maintenance Load, Lv (Pos. 13)	None					1			
88 Maintenance Load, Lv (Pos. 14)	None					1			
89 Maintenance Load, Lv (Pos. 15)	None					1			
90 Maintenance Load, Lv (Pos. 16)	None					1			
91 Maintenance Load, Lv (Pos. 17)	None					1			
92 Maintenance Load, Lv (Pos. 18)	None					1			
93 Maintenance Load, Lv (Pos. 19)	None					1			
94 Maintenance Load, Lv (Pos. 20)	None					1			
95 Maintenance Load, Lv (Pos. 21)	None					1			
96 Maintenance Load, Lv (Pos. 22)	None					1			
97 Maintenance Load, Lv (Pos. 23)	None					1			
98 Maintenance Load, Lv (Pos. 24)	None					1			
99 Maintenance Load, Lv (Pos. 25)	None								
100 Maintenance Load, Lv (Pos. 26)	None								
101 Maintenance Load, Lv (Pos. 27)	None								
102 Maintenance Load, Lv (Pos. 28)	None								
103 Maintenance Load, Lv (Pos. 29)	None								
104 Maintenance Load, Lv (Pos. 30)	None								
105 Maintenance Load, Lv (Pos. 31)	None								
106 Maintenance Load, Lv (Pos. 32)	None								
107 Maintenance Load, Lv (Pos. 33)	None								
108 Maintenance Load, Lv (Pos. 34)	None								
109 Maintenance Load, Lv (Pos. 35)	None								
110 Maintenance Load, Lv (Pos. 36)	None								
111 Maintenance Load, Lv (Pos. 37)	None								
112 Maintenance Load, Lv (Pos. 38)	None								
113 Maintenance Load, Lv (Pos. 39)	None								
114 Maintenance Load, Lv (Pos. 40)	None								
115 Maintenance Load, Lv (Pos. 41)	None								
116 Maintenance Load, Lv (Pos. 42)	None								
117 Maintenance Load, Lv (Pos. 43)	None								
118 Maintenance Load, Lv (Pos. 44)	None								
119 Maintenance Load, Lv (Pos. 45)	None								
120 Maintenance Load, Lv (Pos. 46)	None								
121 Maintenance Load, Lv (Pos. 47)	None								
122 Maintenance Load, Lv (Pos. 48)	None								
123 Maintenance Load, Lv (Pos. 49)	None								
124 Maintenance Load, Lv (Pos. 50)	None								
125 Maintenance Load, Lv (Pos. 51)	None								
126 Maintenance Load, Lv (Pos. 52)	None								
127 Maintenance Load, Lv (Pos. 53)	None								
128 Maintenance Load, Lv (Pos. 54)	None								
129 Maintenance Load, Lv (Pos. 55)	None								



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Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
130 Maintenance Load, Lv (Pos. 56)	None								
131 Maintenance Load, Lv (Pos. 57)	None								
132 Maintenance Load, Lv (Pos. 58)	None								
133 Maintenance Load, Lv (Pos. 59)	None								
134 Maintenance Load, Lv (Pos. 60)	None								
135 Maintenance Load, Lv (Pos. 61)	None								
136 Maintenance Load, Lv (Pos. 62)	None								
137 Maintenance Load, Lv (Pos. 63)	None								
138 Maintenance Load, Lv (Pos. 64)	None								
139 Maintenance Load, Lv (Pos. 65)	None								
140 Maintenance Load, Lv (Pos. 66)	None								
141 Maintenance Load, Lv (Pos. 67)	None								
142 Maintenance Load, Lv (Pos. 68)	None								
143 Maintenance Load, Lv (Pos. 69)	None								
144 Maintenance Load, Lv (Pos. 70)	None								
145 Maintenance Load, Lv (Pos. 71)	None								
146 Maintenance Load, Lv (Pos. 72)	None								
147 Maintenance Load, Lv (Pos. 73)	None								
148 Maintenance Load, Lv (Pos. 74)	None								
149 Maintenance Load, Lv (Pos. 75)	None								
150 Maintenance Load, Lv (Pos. 76)	None								
151 Maintenance Load, Lv (Pos. 77)	None								
152 Maintenance Load, Lv (Pos. 78)	None								
153 Maintenance Load, Lv (Pos. 79)	None								
154 Maintenance Load, Lv (Pos. 80)	None								
155 Maintenance Load, Lv (Pos. 81)	None								
156 Maintenance Load, Lv (Pos. 82)	None								
157 Maintenance Load, Lv (Pos. 83)	None								
158 Maintenance Load, Lv (Pos. 84)	None								
159 Maintenance Load, Lv (Pos. 85)	None								
160 Maintenance Load, Lv (Pos. 86)	None								
161 Maintenance Load, Lv (Pos. 87)	None								
162 Maintenance Load, Lv (Pos. 88)	None								
163 Maintenance Load, Lv (Pos. 89)	None								
164 Maintenance Load, Lv (Pos. 90)	None								
165 Maintenance Load, Lv (Pos. 91)	None								
166 Maintenance Load, Lv (Pos. 92)	None								
167 Maintenance Load, Lv (Pos. 93)	None								
168 Maintenance Load, Lv (Pos. 94)	None								
169 Maintenance Load, Lv (Pos. 95)	None								
170 Maintenance Load, Lv (Pos. 96)	None								
171 Maintenance Load, Lv (Pos. 97)	None								
172 Maintenance Load, Lv (Pos. 98)	None								
173 Maintenance Load, Lv (Pos. 99)	None								
174 Maintenance Load, Lv (Pos. 100)	None								
175 Antenna Dead Load	None					18			
176 Antenna Wind Load (0 deg)	None					36			
177 Antenna Wind Load (30 deg)	None					36			
178 Antenna Wind Load (60 deg)	None					36			
179 Antenna Wind Load (90 deg)	None					36			
180 Antenna Wind Load (120 deg)	None					36			
181 Antenna Wind Load (150 deg)	None					36			
182 Antenna Wind Load (180 deg)	None					36			
183 Antenna Wind Load (210 deg)	None					36			
184 Antenna Wind Load (240 deg)	None					36			
185 Antenna Wind Load (270 deg)	None					36			
186 Antenna Wind Load (300 deg)	None					36			



Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
187 Antenna Wind Load (330 deg)	None					36			
188 Antenna Ice Load	None					18			
189 Antenna Wind on Ice (0 deg)	None					36			
190 Antenna Wind on Ice (30 deg)	None					36			
191 Antenna Wind on Ice (60 deg)	None					36			
192 Antenna Wind on Ice (90 deg)	None					36			
193 Antenna Wind on Ice (120 deg)	None					36			
194 Antenna Wind on Ice (150 deg)	None					36			
195 Antenna Wind on Ice (180 deg)	None					36			
196 Antenna Wind on Ice (210 deg)	None					36			
197 Antenna Wind on Ice (240 deg)	None					36			
198 Antenna Wind on Ice (270 deg)	None					36			
199 Antenna Wind on Ice (300 deg)	None					36			
200 Antenna Wind on Ice (330 deg)	None					36			
201 Ant. Horiz. Seismic, Eh (0)	None					36			
202 Ant. Horiz. Seismic, Eh (30)	None					36			
203 Ant. Horiz. Seismic, Eh (60)	None					36			
204 Ant. Horiz. Seismic, Eh (90)	None					36			
205 Ant. Horiz. Seismic, Eh (120)	None					36			
206 Ant. Horiz. Seismic, Eh (150)	None					36			
207 Ant. Horiz. Seismic, Eh (180)	None					36			
208 Ant. Horiz. Seismic, Eh (210)	None					36			
209 Ant. Horiz. Seismic, Eh (240)	None					36			
210 Ant. Horiz. Seismic, Eh (270)	None					36			
211 Ant. Horiz. Seismic, Eh (300)	None					36			
212 Ant. Horiz. Seismic, Eh (330)	None					36			
213 BLC 1 Transient Area Loads	None						147		
214 BLC 14 Transient Area Loads	None						147		

Load Combinations

Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1 1.4D	Yes	Y	1	1.4	175	1.4													
2 1.2D + 1.0W (0 deg)	Yes	Y	1	1.2	2	1	175	1.2	176	1									
3 1.2D + 1.0W (30 deg)	Yes	Y	1	1.2	3	1	175	1.2	177	1									
4 1.2D + 1.0W (60 deg)	Yes	Y	1	1.2	4	1	175	1.2	178	1									
5 1.2D + 1.0W (90 deg)	Yes	Y	1	1.2	5	1	175	1.2	179	1									
6 1.2D + 1.0W (120 deg)	Yes	Y	1	1.2	6	1	175	1.2	180	1									
7 1.2D + 1.0W (150 deg)	Yes	Y	1	1.2	7	1	175	1.2	181	1									
8 1.2D + 1.0W (180 deg)	Yes	Y	1	1.2	8	1	175	1.2	182	1									
9 1.2D + 1.0W (210 deg)	Yes	Y	1	1.2	9	1	175	1.2	183	1									
10 1.2D + 1.0W (240 deg)	Yes	Y	1	1.2	10	1	175	1.2	184	1									
11 1.2D + 1.0W (270 deg)	Yes	Y	1	1.2	11	1	175	1.2	185	1									
12 1.2D + 1.0W (300 deg)	Yes	Y	1	1.2	12	1	175	1.2	186	1									
13 1.2D + 1.0W (330 deg)	Yes	Y	1	1.2	13	1	175	1.2	187	1									
14 1.2D + Di + Wi (0 deg)	Yes	Y	1	1.2	14	1	15	1	175	1.2	188	1	189	1					
15 1.2D + Di + Wi (30 deg)	Yes	Y	1	1.2	14	1	16	1	175	1.2	188	1	190	1					
16 1.2D + Di + Wi (60 deg)	Yes	Y	1	1.2	14	1	17	1	175	1.2	188	1	191	1					
17 1.2D + Di + Wi (90 deg)	Yes	Y	1	1.2	14	1	18	1	175	1.2	188	1	192	1					
18 1.2D + Di + Wi (120 deg)	Yes	Y	1	1.2	14	1	19	1	175	1.2	188	1	193	1					
19 1.2D + Di + Wi (150 deg)	Yes	Y	1	1.2	14	1	20	1	175	1.2	188	1	194	1					
20 1.2D + Di + Wi (180 deg)	Yes	Y	1	1.2	14	1	21	1	175	1.2	188	1	195	1					
21 1.2D + Di + Wi (210 deg)	Yes	Y	1	1.2	14	1	22	1	175	1.2	188	1	196	1					
22 1.2D + Di + Wi (240 deg)	Yes	Y	1	1.2	14	1	23	1	175	1.2	188	1	197	1					
23 1.2D + Di + Wi (270 deg)	Yes	Y	1	1.2	14	1	24	1	175	1.2	188	1	198	1					
24 1.2D + Di + Wi (300 deg)	Yes	Y	1	1.2	14	1	25	1	175	1.2	188	1	199	1					



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Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
538	1.2D + 1.5Lv (Position 69)		Y	1	1.2	143	1.5	175	1.2											
539	1.2D + 1.5Lv (Position 70)		Y	1	1.2	144	1.5	175	1.2											
540	1.2D + 1.5Lv (Position 71)		Y	1	1.2	145	1.5	175	1.2											
541	1.2D + 1.5Lv (Position 72)		Y	1	1.2	146	1.5	175	1.2											
542	1.2D + 1.5Lv (Position 73)		Y	1	1.2	147	1.5	175	1.2											
543	1.2D + 1.5Lv (Position 74)		Y	1	1.2	148	1.5	175	1.2											
544	1.2D + 1.5Lv (Position 75)		Y	1	1.2	149	1.5	175	1.2											
545	1.2D + 1.5Lv (Position 76)		Y	1	1.2	150	1.5	175	1.2											
546	1.2D + 1.5Lv (Position 77)		Y	1	1.2	151	1.5	175	1.2											
547	1.2D + 1.5Lv (Position 78)		Y	1	1.2	152	1.5	175	1.2											
548	1.2D + 1.5Lv (Position 79)		Y	1	1.2	153	1.5	175	1.2											
549	1.2D + 1.5Lv (Position 80)		Y	1	1.2	154	1.5	175	1.2											
550	1.2D + 1.5Lv (Position 81)		Y	1	1.2	155	1.5	175	1.2											
551	1.2D + 1.5Lv (Position 82)		Y	1	1.2	156	1.5	175	1.2											
552	1.2D + 1.5Lv (Position 83)		Y	1	1.2	157	1.5	175	1.2											
553	1.2D + 1.5Lv (Position 84)		Y	1	1.2	158	1.5	175	1.2											
554	1.2D + 1.5Lv (Position 85)		Y	1	1.2	159	1.5	175	1.2											
555	1.2D + 1.5Lv (Position 86)		Y	1	1.2	160	1.5	175	1.2											
556	1.2D + 1.5Lv (Position 87)		Y	1	1.2	161	1.5	175	1.2											
557	1.2D + 1.5Lv (Position 88)		Y	1	1.2	162	1.5	175	1.2											
558	1.2D + 1.5Lv (Position 89)		Y	1	1.2	163	1.5	175	1.2											
559	1.2D + 1.5Lv (Position 90)		Y	1	1.2	164	1.5	175	1.2											
560	1.2D + 1.5Lv (Position 91)		Y	1	1.2	165	1.5	175	1.2											
561	1.2D + 1.5Lv (Position 92)		Y	1	1.2	166	1.5	175	1.2											
562	1.2D + 1.5Lv (Position 93)		Y	1	1.2	167	1.5	175	1.2											
563	1.2D + 1.5Lv (Position 94)		Y	1	1.2	168	1.5	175	1.2											
564	1.2D + 1.5Lv (Position 95)		Y	1	1.2	169	1.5	175	1.2											
565	1.2D + 1.5Lv (Position 96)		Y	1	1.2	170	1.5	175	1.2											
566	1.2D + 1.5Lv (Position 97)		Y	1	1.2	171	1.5	175	1.2											
567	1.2D + 1.5Lv (Position 98)		Y	1	1.2	172	1.5	175	1.2											
568	1.2D + 1.5Lv (Position 99)		Y	1	1.2	173	1.5	175	1.2											
569	1.2D + 1.5Lv (Position 100)		Y	1	1.2	174	1.5	175	1.2											

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N10	max	2091.268	8	784.205	23	1038.538	11	503.274	118	1157.843	5	948.996	14
2		min	-4147.722	2	316.544	53	-1030.353	5	-597.316	148	-1174.821	11	374.753	56
3	N110	max	2901.663	14	1709.005	14	48.455	11	.274	129	10.847	5	408.648	14
4		min	140.683	8	75.269	8	-48.502	5	-.442	135	-10.931	11	17.564	8
5	N114	max	2129.992	10	792.449	19	3583.455	10	1023.1	107	1391.02	13	87.733	108
6		min	-1092.01	4	318.908	157	-1739.899	4	305.915	5	-1355.574	7	-865.816	66
7	N132	max	-94.142	4	1787.203	22	-163.016	4	370.22	22	10.855	13	-12.028	4
8		min	-1519.411	22	102.427	4	-2631.238	22	20.851	4	-10.935	7	-213.533	22
9	N136	max	2125.429	8	792.866	15	1818.502	12	-262.043	9	1178.218	9	15.099	169
10		min	-1095.972	2	319.185	105	-3589.339	6	-980.533	159	-1154.078	3	-938.438	55
11	N154	max	-76.247	12	1714.585	18	2521.667	18	-16.582	12	10.876	9	-9.582	12
12		min	-1455.391	18	81.893	12	131.941	12	-354.943	18	-10.968	3	-205.19	18
13	Totals:	max	4424.435	8	7070.027	16	4297.655	11						
14		min	-4452.733	2	3380.059	10	-4297.656	5						



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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

Member	Shape	Code Check	Loc[in]	LC	Shea	Loc[in]	Dir	LC	phi*Pn	phi*	phi*	phi*	Cb	Eqn
1	GRATE-H...	L2x2x3	.799	25.358	479	.028	50.7...	y	479	9528.13	227...	542...	108...	1.311 H2-1
2	GRATE-H...	L2x2x3	.799	25.358	483	.028	50.7...	y	483	9528.13	227...	542...	108...	1.311 H2-1
3	GRATE-H...	L2x2x3	.799	25.358	481	.028	50.7...	y	481	9528.13	227...	542...	108...	1.311 H2-1
4	GRATE-H...	L2x2x3	.798	25.359	480	.029	50.7...	z	480	9528.06	227...	542...	108...	1.311 H2-1
5	GRATE-H...	L2x2x3	.798	25.359	484	.029	50.7...	z	484	9528.06	227...	542...	108...	1.311 H2-1
6	GRATE-H...	L2x2x3	.798	25.359	482	.029	50.7...	z	482	9528.06	227...	542...	108...	1.311 H2-1
7	HR-120	PIPE 2.0	.325	17.187	13	.224	10.9...		7	6295.4...	321...	187...	187...	4.425 H1-...
8	COR-1	L2.5x2.5x4	.306	14.696	7	.096	14.6...	y	8	35743...	374...	108...	246...	1.908 H2-1
9	HR-0	PIPE 2.0	.304	17.187	9	.219	10.9...		3	6295.4...	321...	187...	187...	4.435 H1-...
10	HR-240	PIPE 2.0	.301	17.187	5	.218	10.9...		11	6295.4...	321...	187...	187...	4.427 H1-...
11	COR-2	L2.5x2.5x4	.299	14.696	11	.099	14.6...	y	12	35743...	374...	108...	246...	1.892 H2-1
12	COR-3	L2.5x2.5x4	.298	14.696	3	.093	14.6...	y	4	35743...	374...	108...	246...	1.888 H2-1
13	MP5	PIPE 2.5	.200	27	10	.130	69		12	30038...	507...	359...	359...	2.668 H1-...
14	MP7	PIPE 2.5	.200	27	3	.067	27		13	30038...	507...	359...	359...	4.756 H1-...
15	MP3	PIPE 2.5	.196	27	11	.062	27		9	30038...	507...	359...	359...	3.131 H1-...
16	MP11	PIPE 2.5	.195	27	7	.063	27		5	30038...	507...	359...	359...	4.768 H1-...
17	MP1	PIPE 2.5	.190	27	5	.129	69		8	30038...	507...	359...	359...	4.004 H1-...
18	MP9	PIPE 2.5	.189	27	13	.126	69		4	30038...	507...	359...	359...	2.278 H1-...
19	MP6	PIPE 2.5	.181	27	3	.059	27		10	30038...	507...	359...	359...	4.926 H1-...
20	MP2	PIPE 2.5	.179	27	5	.060	27		6	30038...	507...	359...	359...	3.139 H1-...
21	MP10	PIPE 2.5	.177	27	13	.058	27		2	30038...	507...	359...	359...	4.826 H1-...
22	MP4	PIPE 2.5	.171	27	11	.109	27		13	30038...	507...	359...	359...	3.865 H1-...
23	MP8	PIPE 2.5	.168	27	2	.098	27		11	30038...	507...	359...	359...	4.97 H1-...
24	MP12	PIPE 2.5	.163	27	6	.099	27		3	30038...	507...	359...	359...	3.728 H1-...
25	SA-2	HSS4X4X4	.157	62.25	7	.080	62.25	y	108	10114...	106...	123...	123...	2.929 H1-...
26	SA-3	HSS4X4X4	.141	62.25	11	.081	62.25	y	148	10114...	106...	123...	123...	2.878 H1-...
27	SA-1	HSS4X4X4	.140	62.25	3	.081	62.25	y	56	10114...	106...	123...	123...	2.859 H1-...
28	BRACE-2	HSS4X4X4	.117	29.916	69	.041	29.9...	y	69	10459...	106...	123...	123...	1.394 H1-...
29	COR-PL-3...	PL 1/2x6	.116	0	4	.054	0	y	82	90856...	945...	984...	118...	1.333 H1-...
30	BRACE-1	HSS4X4X4	.116	29.916	161	.041	29.9...	y	162	10459...	106...	123...	123...	1.394 H1-...
31	BRACE-3	HSS4X4X4	.116	29.916	121	.041	29.9...	y	110	10459...	106...	123...	123...	1.394 H1-...
32	COR-PL-2...	PL 1/2x6	.116	0	12	.053	0	y	173	90856...	945...	984...	118...	1.334 H1-...
33	COR-PL-9...	PL 1/2x6	.116	0	8	.053	0	y	133	90856...	945...	984...	118...	1.335 H1-...
34	COR-PL-9...	PL 1/2x6	.116	0	2	.063	0	y	135	90856...	945...	984...	118...	1.345 H1-...
35	COR-PL-3...	PL 1/2x6	.113	0	10	.063	0	y	95	90856...	945...	984...	118...	1.345 H1-...
36	CONN-PL...	PL 3/8x6	.113	0	6	.069	0	y	106	70797...	708...	553...	885...	1.069 H1-...
37	COR-PL-2...	PL 1/2x6	.113	0	6	.063	0	y	43	90856...	945...	984...	118...	1.345 H1-...
38	CONN-PL...	PL 3/8x6	.108	0	4	.069	0	y	146	70797...	708...	553...	885...	1.069 H1-...
39	CONN-PL...	PL 3/8x6	.105	0	2	.069	0	y	54	70797...	708...	553...	885...	1.069 H1-...
40	CONN-PL...	PL 3/8x6	.103	2	7	.193	0	y	106	69647...	708...	553...	885...	1.668 H1-...
41	CONN-PL...	PL 3/8x6	.100	2	13	.200	0	y	69	69647...	708...	553...	885...	1.668 H1-...
42	CONN-PL...	PL 3/8x6	.092	0	13	.072	0	y	69	70797...	708...	553...	885...	1.069 H1-...
43	CONN-PL...	PL 3/8x6	.092	2	11	.192	0	y	146	69647...	708...	553...	885...	1.668 H1-...
44	CONN-PL...	PL 3/8x6	.090	2	3	.192	0	y	54	69647...	708...	553...	885...	1.668 H1-...
45	FM-120	PIPE 3.0	.088	132.812	95	.092	95.3...		6	59550...	652...	574...	574...	3.571 H1-...
46	FM-0	PIPE 3.0	.088	17.187	43	.094	54.6...		2	59550...	652...	574...	574...	3.554 H1-...
47	FM-240	PIPE 3.0	.088	17.187	135	.092	54.6...		10	59550...	652...	574...	574...	3.574 H1-...
48	CONN-PL...	PL 3/8x6	.086	2	9	.199	0	y	162	69647...	708...	553...	885...	1.668 H1-...
49	KICK-3	LL2.5x2.5x3...	.084	0	22	.003	50.56	y	95	41807...	568...	412...	254...	1.136 H1-...
50	CONN-PL...	PL 3/8x6	.084	2	5	.198	0	y	110	69647...	708...	553...	885...	1.668 H1-...
51	CONN-PL...	PL 3/8x6	.081	0	9	.072	0	y	162	70797...	708...	553...	885...	1.069 H1-...
52	KICK-2	LL2.5x2.5x3...	.081	0	18	.003	50.56	z	8	41807...	568...	412...	254...	1.136 H1-...
53	KICK-1	LL2.5x2.5x3...	.080	0	14	.003	50.56	z	5	41807...	568...	412...	254...	1 H1-...
54	CONN-PL...	PL 3/8x6	.080	0	5	.071	0	y	110	70797...	708...	553...	885...	1.069 H1-...
55	COR-PL-3...	PL 1/2x6	.065	0	12	.158	0	y	173	93978...	945...	984...	118...	1.663 H1-...
56	COR-PL-2...	PL 1/2x6	.064	0	8	.158	0	y	133	93978...	945...	984...	118...	1.664 H1-...
57	COR-PL-9...	PL 1/2x6	.061	0	4	.161	0	y	82	93978...	945...	984...	118...	1.663 H1-...



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

Member	Shape	Code Check	Loc[in]	LC	Shea..	Loc[in]	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	Cb	Eqn	
58	COR-PL-3...	PL 1/2x6	.059	0	7	.189	0	y	135	93978...	945...	984...	118...	1.67	H1-...
59	COR-PL-9...	PL 1/2x6	.057	0	11	.189	0	y	43	93978...	945...	984...	118...	1.67	H1-...
60	COR-PL-2...	PL 1/2x6	.056	0	3	.190	0	y	95	93978...	945...	984...	118...	1.67	H1-...
61	KICK-PL-4	PL 1/2x8	.042	2.875	21	.061	2.875	y	22	12346...	126...	131...	210...	1.667	H1-...
62	KICK-PL-2	PL 1/2x8	.040	2.875	17	.058	2.875	y	18	12346...	126...	131...	210...	1.667	H1-...
63	KICK-PL-6	PL 1/2x8	.040	2.875	25	.058	2.875	y	14	12346...	126...	131...	210...	1.667	H1-...
64	KICK-PL-3	PL 1/2x8	.033	0	21	.036	0	y	22	12346...	126...	131...	210...	1.668	H1-...
65	KICK-PL-1	PL 1/2x8	.032	0	17	.034	0	y	18	12346...	126...	131...	210...	1.668	H1-...
66	KICK-PL-5	PL 1/2x8	.032	0	25	.034	0	y	14	12346...	126...	131...	210...	1.668	H1-...
67	PL-210-2	PL 3/8x6	.000	1.5	12	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...
68	PL-330-2	PL 3/8x6	.000	1.5	10	.000	1.5	y	25	70011...	729...	569...	911...	1.562	H1-...
69	PL-330-1	PL 3/8x6	.000	1.5	10	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...
70	PL-210-1	PL 3/8x6	.000	1.5	12	.000	1.5	y	25	70011...	729...	569...	911...	1.562	H1-...
71	PL-90-2	PL 3/8x6	.000	1.5	8	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...
72	PL-90-1	PL 3/8x6	.000	1.5	8	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...

TIA-222-H 4-Bolt Connection Check

Connection Details	
Bolt Diameter =	0.625 in
Bolt Quantity =	4
Bolt Threads/Inch, n =	11
Vertical Bolt Spacing =	6.000 in
Horizontal Bolt Spacing =	6.000 in
Bolt Grade =	A325
Plate Height =	8.250 in
Plate Width =	8.250 in
Plate Thickness =	0.75
Plate Grade =	Other
Standoff Member Type =	HSS
Member Height =	4.000 in
Member Width =	4.000 in
Member Thickness =	0.250 in
Use TIA-222-H Section 15.5?	No
Weld Size =	3/8 in

Connection Check (Bolts)		
ϕ =	0.75	Strength Reduction Factor
A_n =	0.226 in ²	Net Bolt Area (AISC Table 7-17)
A_b =	0.307 in ²	Gross Bolt Area
$F_{u_{bolt}}$ =	120 ksi	Bolt Ultimate Stress Capacity
ϕR_{nt} =	20.34 kip	Bolt Nominal Tensile Capacity (TIA-H 4.9.6.1)
ϕR_{nv} =	13.81 kip	Bolt Nominal Shear Capacity (TIA-H 4.9.6.3)
$V_{u_{bolt}}$ =	0.571 kip	Shear Force Per Bolt
$T_{u_{bolt}}$ =	2.226 kip	Tension Force Per Bolt
CSR =	10.9%	OK (TIA 4.9.6.4)

Connection Check (Plate)		
ϕ =	0.9	Strength Reduction Factor
F_y =	35 ksi	Plate Yield Capacity
Y_{LH} =	7.48 in	Horizontal plate yield line
Y_{LV} =	7.48 in	Vertical plate yield line
Y_{LD} =	6.01 in	Diagonal plate yield line
M_{max} =	3.5 kip-in	Plate Bending Moment
F_b =	31.5 ksi	Nominal Plate Yield Capacity
f_b =	3.3 ksi	Plate Bending Stress Demand
CSR =	10.6%	OK

Connection Check (Welds)		
ϕ =	0.75	Strength Reduction Factor
F_{EXX} =	70 ksi	Filler Metal Strength (70 ksi assumed)
$F_{u_{bm}}$ =	58 ksi	Base Metal Strength
ϕR_n =	8.4 k/in	Nominal Weld Capacity
R_u =	1.1 k/in	Weld Shear Demand
CSR =	13.4%	OK



Exhibit E



AMERICAN TOWER®
CORPORATION

This report was prepared for American Tower Corporation by



Antenna Mount Analysis Report

ATC Site Name : Good Hill CT
ATC Site Number : 411180
Engineering Number : 14099769_C8_01
ETS, PLLC Job Number : 22107100.STR.5860
Mount Elevation : 135 ft
Carrier : T-MOBILE
Carrier Site Name : Good Hill Woodbury ATC
Carrier Site Number : CTNH290A
Site Location : 478 Good Hill Road
Woodbury, CT 06798
41.557222°, -73.256778°
County : Litchfield
Date : May 16, 2022
Max Usage : 80%
Result : Pass

Prepared By:
Kousthub Mahendra, EI
Structural Engineer III

Reviewed By:
Frederic Geoffrey Bost, PE
CTO





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Calculations..... Attached

Introduction

The purpose of this report is to summarize results of the antenna mount analysis performed for T-Mobile at 135 ft.

Supporting Documents

Spec Sheet	SitePro 1 Document# RMQP-4096-HK, dated May 23, 2021
RFDS	RFDS, dated April 22, 2022

Analysis

This antenna mount was analyzed using RISA-3D v17.0.4 analysis software.

Basic Wind Speed:	115 mph (3-Second Gust, V_{ult})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 1.0" radial ice concurrent
Codes:	ANSI/TIA-222-H
Structure Class:	II
Exposure Category:	B
Topographic Procedure:	Method 2
Topographic Feature:	Flat
Crest Height:	0 ft
Crest Length:	0 ft
Spectral Response:	$S_s = 0.194$, $S_1 = 0.054$
Site Class:	D - Default
Live Loads:	$L_m = 500$ lbs, $L_v = 250$ lbs

Conclusion

Based on the analysis results, the antenna mount meets the requirements per the applicable codes listed. The mount can support the equipment as described in this report. Analysis is based on new SitePro 1 RMQP-4096-HK (M2050R(2500)-4[6]) mount.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

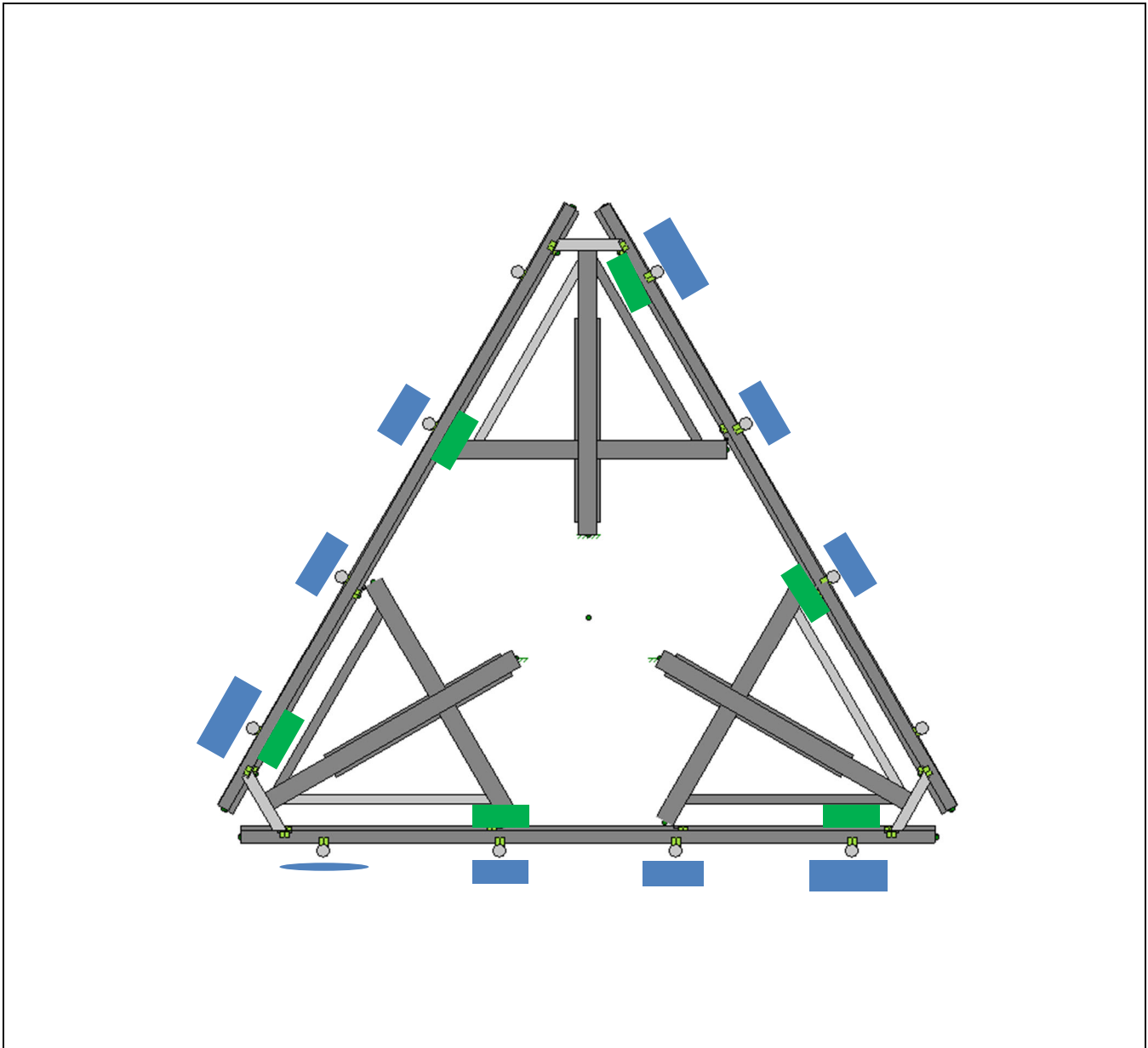
Antenna Loading

Mount Centerline (ft)	Antenna Centerline (ft)	Qty	Antenna Model
135.0	135.0	3	Commscope VV-65A-R1B
		3	RFS APXVAALL24 43-U-NA20
		3	Ericsson AIR 6419 B41
		1	RFS SC2-W100BD
		3	Ericsson 4460 BAND 2/25
		3	Ericsson 4480 BAND 71

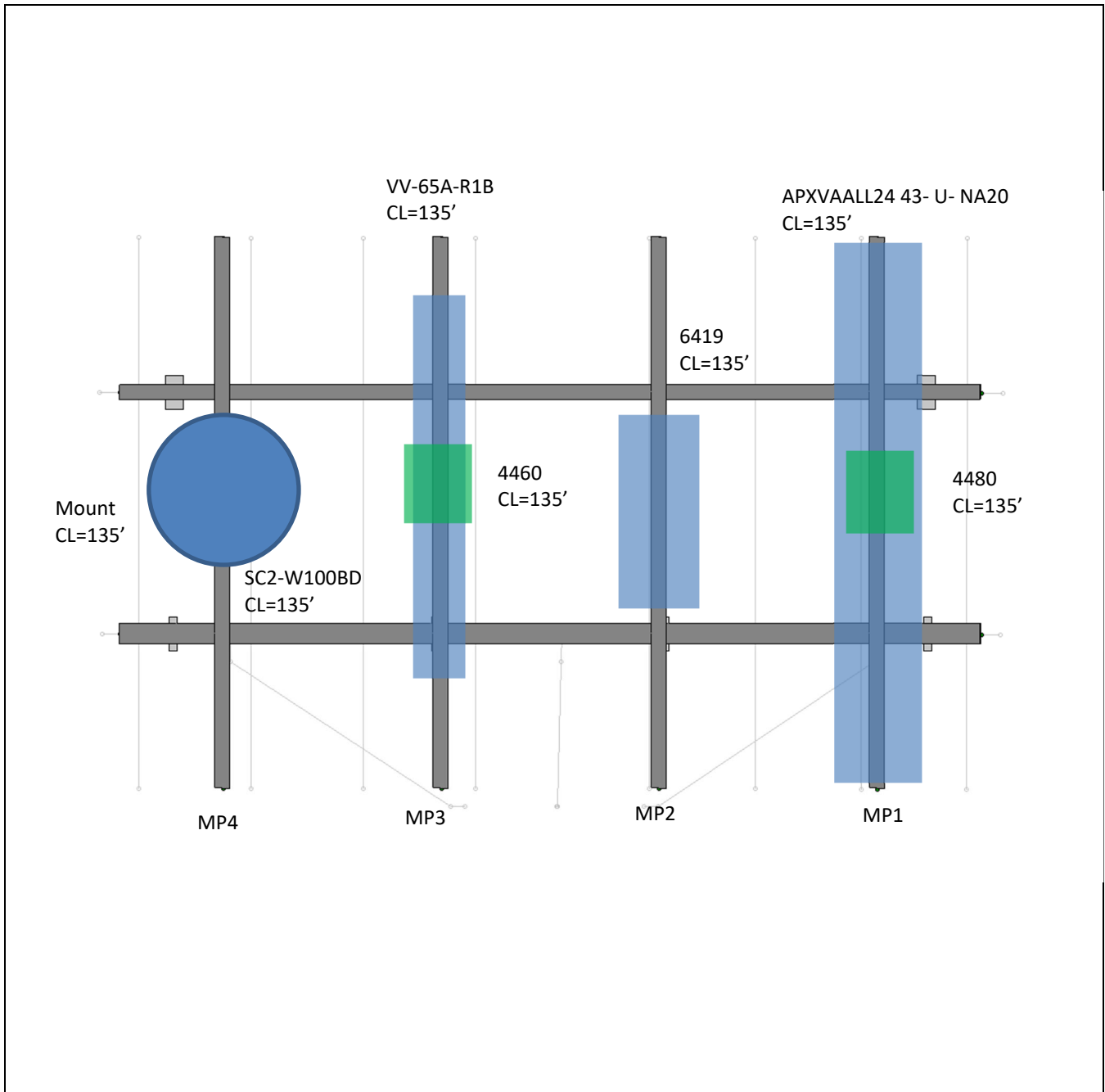
Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Horizontals	80%	Pass
Mount Pipes	20%	Pass
Support Rails	33%	Pass
Tower to Mount Connection	13%	Pass

Mount Layout



Equipment Layout



*Alpha Sector shown above (all sectors not typical)

Standard Conditions

All engineering services performed by Engineered Tower Solutions, PLLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of ETS, PLLC

It is the responsibility of the client to ensure that the information provided to ETS, PLLC and used in the performance of our engineering services is correct and complete.

American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

All connections are to be verified for condition and tightness by the installation contractor preceding any changes to the appurtenance mounting system and/or equipment attached to it.

Steel grades have been assumed as follows, unless noted otherwise:

Channel, Solid Round, Angle, Plate, Threaded Rod	ASTM A36 (Gr. 36)
HSS (Rectangular)	ASTM A500 (Gr. B-46)
HSS (Round)	ASTM A500 (Gr. B-42)
Pipe	ASTM A53 (Gr. 35)
Connection Bolts	ASTM A325
U-Bolt	SAE J429 (Gr. 2)

Unless explicitly agreed by both the client and ETS, PLLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

Installation of all equipment and steel should be confirmed not to cause tower conflicts nor impede the tower climbing pegs.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ETS, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

Site Inputs	
Mount Support (Tower, or Building Support)?	Tower
Risk Category (TIA Table 2-1)	II
Exposure Category	B
Basic Wind Speed without Ice, V	115 mph
Basic Wind Speed with Ice, V _i	50 mph
Design of Ice, δ _{ice}	56 pcf
Design Ice Thickness, t _i	1.00 in
Basic Wind Speed (Maintenance)	30 mph
Maintenance Load, L _m	500 lb
Maintenance Load, L _v	250 lb
Height of Structure, h	147.0 ft
Mount Centerline, h _m	135.0 ft
Topographic Factor, K _{zt}	1.00
Rooftop Wind Speed-Up Factor, K _r	1.00
Mean Elevation of base of structure above sea level, z _s	887 ft
Ground Elevation Factor, K _g	0.97
Wind Direction Probability Factor, K _d	0.95
Gust Response Factor, G _s	1.00
Shielding Factor for Appurtenances, K _s	0.90

TIA-222-H Mount Load Generator

Seismic Design Input/Output	
0.194	Spectral response acceleration at short periods, S _s
0.054	Spectral response acceleration at a period of 1 second, S ₁
D	Soil Site Class
1.600	Short-period site coefficient, F _s
2.400	Long-period site coefficient, F _l
0.207	Design spectral response acceleration at short periods, S _{DS}
0.086	Design spectral response acceleration at a period of 1 second, S _{DS1}
2.00	Response modification coefficient, R
1.00	Earthquake amplification factor, A _s
1.00	Importance Factor
0.1035	Seismic Response Coefficient, C _s
Eh = 0.103 W	Total Seismic Shear Force, E _s = ρ Q _s (Q _s = ρ C _s W A _s & ρ = 1.0)
Ev = 0.041 D	Vertical Seismic Load Effect, E _v = 0.2 S _{DS1} D A _s



Output File Name: 411180_14099769_T-Mobile

Mount Pipe Information							Mount Pipe Forces					
Mount Pipe	Mount Location	Vertical Offset	Length	Diameter	Weight	Shape	Front Design Wind Force, F _A	Side Design Wind Force, F _A	Design Ice Thickness, t _{ice}	Ice Weight	Front Design Wind Force on Ice, F _A	Side Design Wind Force on Ice, F _A
P 2.5 SCH 40 x 96	MP1	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	0.07 lb	77.13 lb	1.151 in	45.31 lb	0.55 lb	23.89 lb
P 2.5 SCH 40 x 96	MP2	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	39.97 lb	77.13 lb	1.151 in	45.31 lb	14.13 lb	23.89 lb
P 2.5 SCH 40 x 96	MP3	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	27.65 lb	77.13 lb	1.151 in	45.31 lb	9.94 lb	23.89 lb
P 2.5 SCH 40 x 96	MP4	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	64.28 lb	77.13 lb	1.151 in	45.31 lb	22.41 lb	23.89 lb
P 2.5 SCH 40 x 96	MP5	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	0.07 lb	77.13 lb	1.151 in	45.31 lb	0.55 lb	23.89 lb
P 2.5 SCH 40 x 96	MP6	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	39.97 lb	77.13 lb	1.151 in	45.31 lb	14.13 lb	23.89 lb
P 2.5 SCH 40 x 96	MP7	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	27.65 lb	77.13 lb	1.151 in	45.31 lb	9.94 lb	23.89 lb
P 2.5 SCH 40 x 96	MP8	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	77.13 lb	77.13 lb	1.151 in	45.31 lb	23.89 lb	23.89 lb
P 2.5 SCH 40 x 96	MP9	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	0.07 lb	77.13 lb	1.151 in	45.31 lb	0.55 lb	23.89 lb
P 2.5 SCH 40 x 96	MP10	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	39.97 lb	77.13 lb	1.151 in	45.31 lb	14.13 lb	23.89 lb
P 2.5 SCH 40 x 96	MP11	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	27.65 lb	77.13 lb	1.151 in	45.31 lb	9.94 lb	23.89 lb
P 2.5 SCH 40 x 96	MP12	0.00 ft	96.00 in	2.88 in	46.39 lb	Round	77.13 lb	77.13 lb	1.151 in	45.31 lb	23.89 lb	23.89 lb

Appurtenance Information - MP1							Appurtenance Forces - MP1					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	122.80 lb	678.86 lb	292.88 lb	1.151 in	299.14 lb	134.39 lb	61.90 lb
ERICSSON / 4480 BAND 71	1	0.00 ft	22.00 in	15.70 in	7.50 in	81.00 lb	96.53 lb	46.85 lb	1.151 in	47.84 lb	19.97 lb	10.97 lb

Appurtenance Information - MP2							Appurtenance Forces - MP2					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6419 B41	1	0.00 ft	36.30 in	20.90 in	9.00 in	83.30 lb	212.03 lb	96.49 lb	1.151 in	101.72 lb	42.82 lb	21.32 lb

Appurtenance Information - MP3							Appurtenance Forces - MP3					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
COMMSCOPE / VV-65A-R1B	1	0.00 ft	54.70 in	12.00 in	4.60 in	24.70 lb	197.43 lb	91.59 lb	1.151 in	89.78 lb	40.82 lb	21.14 lb
ERICSSON / 4460 BAND 2/25	1	0.00 ft	19.60 in	15.70 in	12.10 in	109.00 lb	86.00 lb	66.28 lb	1.151 in	48.18 lb	17.91 lb	14.94 lb

Appurtenance Information - MP4							Appurtenance Forces - MP4					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS / SC2-W100BD	1	0.00 ft	26.40 in	26.40 in	11.64 in	20.00 lb	0.00 lb	0.00 lb	1.151 in	53.11 lb	0.00 lb	0.00 lb

Appurtenance Information - MP5							Appurtenance Forces - MP5					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	122.80 lb	678.86 lb	292.88 lb	1.151 in	299.14 lb	134.39 lb	61.90 lb
ERICSSON / 4480 BAND 71	1	0.00 ft	22.00 in	15.70 in	7.50 in	81.00 lb	96.53 lb	46.85 lb	1.151 in	47.84 lb	19.97 lb	10.97 lb

Appurtenance Information - MP6							Appurtenance Forces - MP6					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{ice}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6419 B41	1	0.00 ft	36.30 in	20.90 in	9.00 in	83.30 lb	212.03 lb	96.49 lb	1.151 in	101.72 lb	42.82 lb	21.32 lb

Appurtenance Information - MP7							Appurtenance Forces - MP7					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
COMMSCOPE / VV-65A-R1B	1	0.00 ft	54.70 in	12.00 in	4.60 in	24.70 lb	197.43 lb	91.59 lb	1.151 in	89.78 lb	40.82 lb	21.14 lb
ERICSSON / 4460 BAND 2/25	1	0.00 ft	19.60 in	15.70 in	12.10 in	109.00 lb	86.00 lb	66.28 lb	1.151 in	48.18 lb	17.91 lb	14.94 lb

Appurtenance Information - MP9							Appurtenance Forces - MP9					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
RFS/CELWAVE / APXVAALL24_43-U-NA20_TMO	1	0.00 ft	95.90 in	24.00 in	8.50 in	122.80 lb	678.86 lb	292.88 lb	1.151 in	299.14 lb	134.39 lb	61.90 lb
ERICSSON / 4480 BAND 71	1	0.00 ft	22.00 in	15.70 in	7.50 in	81.00 lb	96.53 lb	46.85 lb	1.151 in	47.84 lb	19.97 lb	10.97 lb

Appurtenance Information - MP10							Appurtenance Forces - MP10					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
ERICSSON / AIR 6419 B41	1	0.00 ft	36.30 in	20.90 in	9.00 in	83.30 lb	212.03 lb	96.49 lb	1.151 in	101.72 lb	42.82 lb	21.32 lb

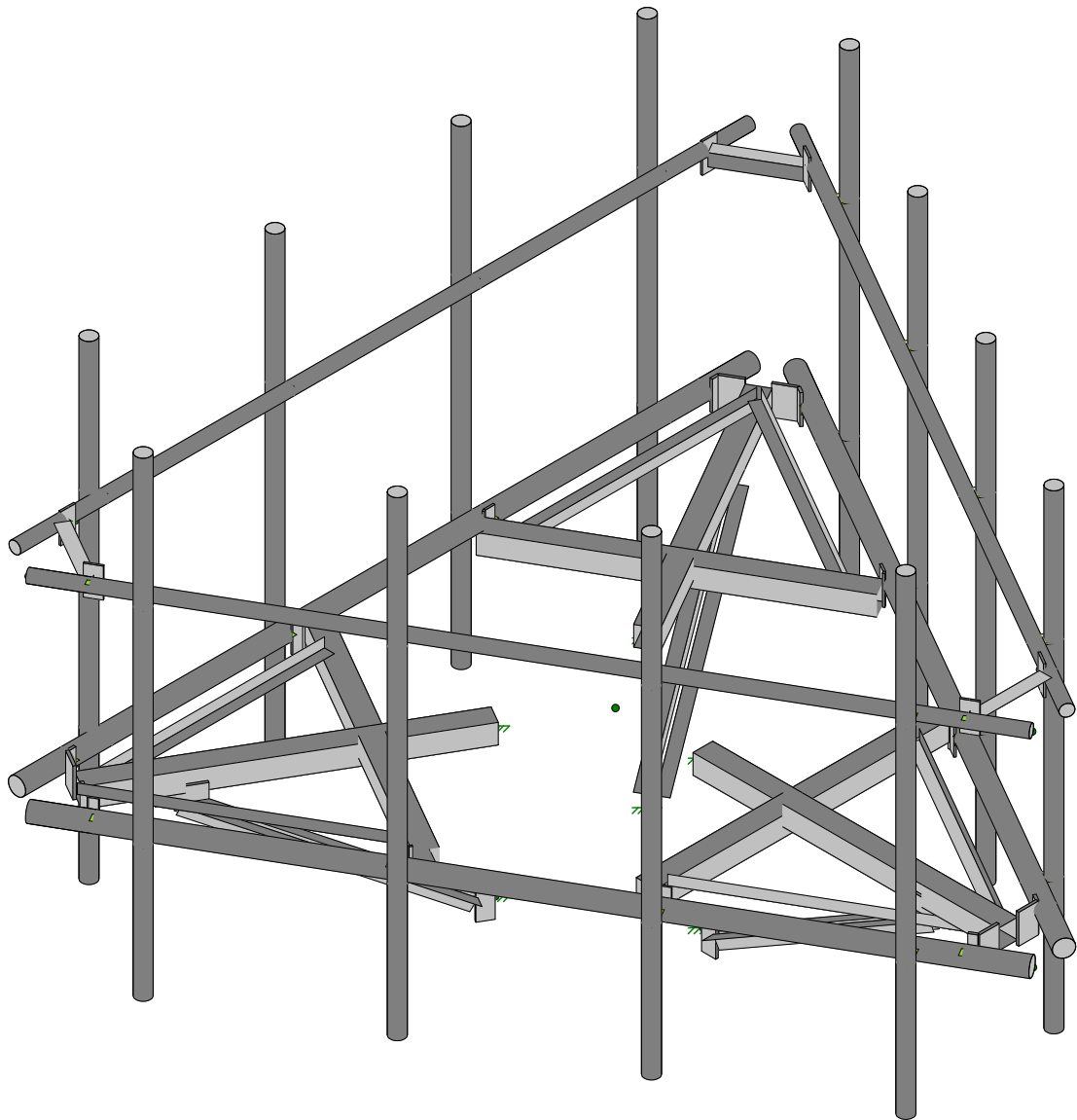
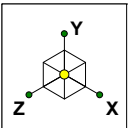
Appurtenance Information - MP11							Appurtenance Forces - MP11					
Appurtenance	Quantity	Vertical Offset	Length	Width	Depth	Weight	Front Design Wind Force, F_A	Side Design Wind Force, F_A	Design Ice Thickness, t_{i2}	Ice Weight	Front Design Wind Force on Ice, F_A	Side Design Wind Force on Ice, F_A
COMMSCOPE / VV-65A-R1B	1	0.00 ft	54.70 in	12.00 in	4.60 in	24.70 lb	197.43 lb	91.59 lb	1.151 in	89.78 lb	40.82 lb	21.14 lb
ERICSSON / 4460 BAND 2/25	1	0.00 ft	19.60 in	15.70 in	12.10 in	109.00 lb	86.00 lb	66.28 lb	1.151 in	48.18 lb	17.91 lb	14.94 lb

Member Distributed Loads Mount Members	Member Information			Member Forces		
	Width/Diameter (in)	Depth/Diameter (in)	Length (in)	K_a * Force / Length, No Ice	Ice Weight (plf)	K_a * Force / Length, Ice
PIPE 3.0	3.500 in	3.500 in	150.0 in	10.6 lb/ft	6.5 lb/ft	3.3 lb/ft
PIPE 2.0	2.380 in	2.380 in	150.0 in	7.2 lb/ft	5.0 lb/ft	2.7 lb/ft
HSS 4x4SA	4.000 in	4.000 in	62.3 in	10.7 lb/ft	9.6 lb/ft	3.0 lb/ft
HSS 4x4 BRACE	4.000 in	4.000 in	59.8 in	10.6 lb/ft	9.6 lb/ft	3.0 lb/ft
LL2.5x2.5	5.500 in	2.500 in	52.5 in	20.5 lb/ft	9.4 lb/ft	4.8 lb/ft
L2x2	2.000 in	2.000 in	50.7 in	10.1 lb/ft	5.6 lb/ft	2.9 lb/ft
L2.5x2.5	2.500 in	2.500 in	13.0 in	8.3 lb/ft	6.6 lb/ft	2.4 lb/ft
PL 6x1/2	6.000 in	0.500 in	12.0 in	18.1 lb/ft	10.1 lb/ft	4.2 lb/ft
PL 6x3/8	6.000 in	0.375 in	6.0 in	18.1 lb/ft	10.1 lb/ft	4.2 lb/ft
PL 8x1/2	8.000 in	0.500 in	4.0 in	24.1 lb/ft	12.9 lb/ft	5.3 lb/ft

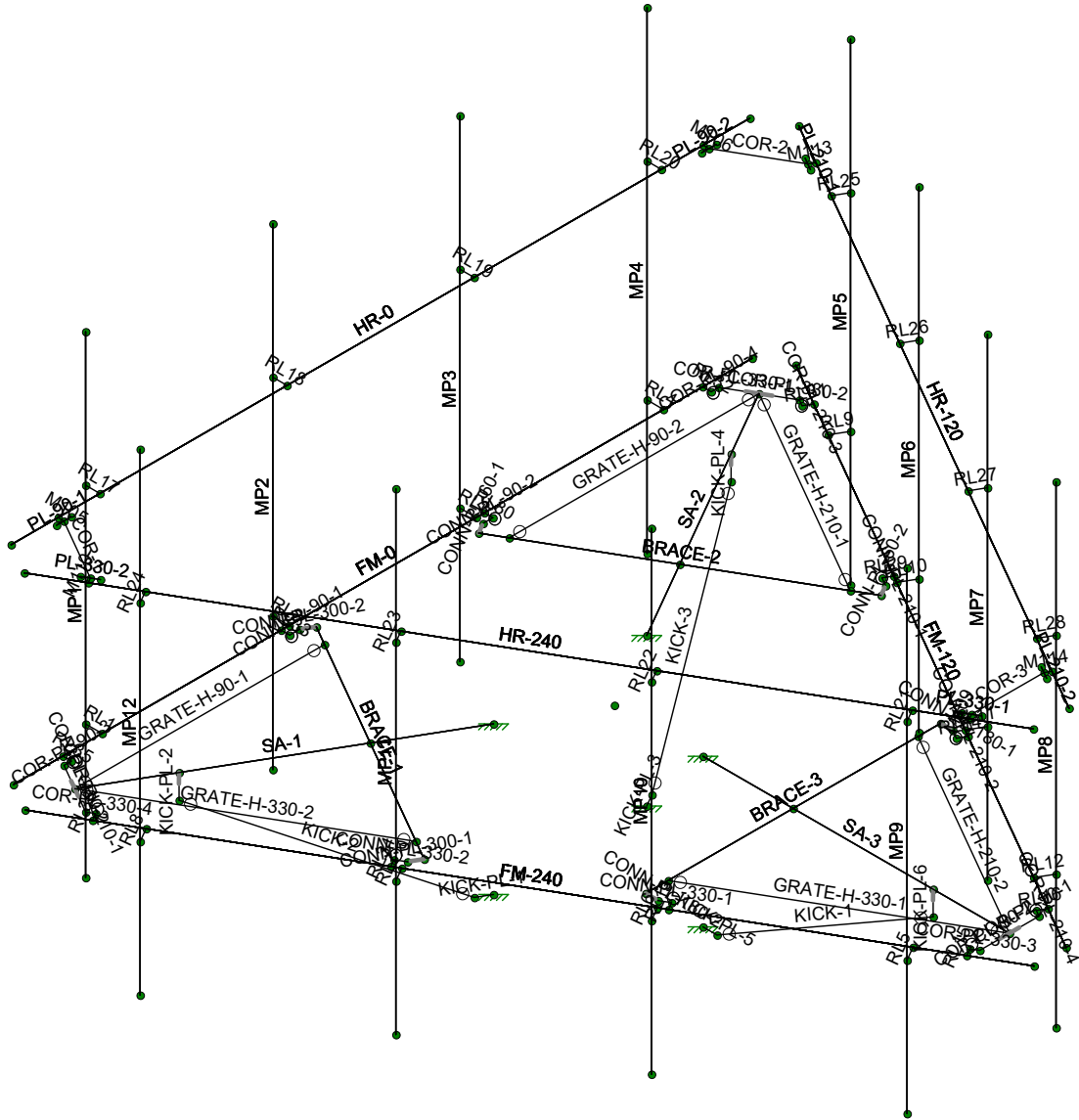
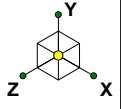
Member Lookup	Member Label	Position	Maintenance Load
HSS 4x4 BRACE	BRACE-1	210°	
HSS 4x4 BRACE	BRACE-2	330°	
HSS 4x4 BRACE	BRACE-3	90°	
PL 6x3/8	CONN-PL-60-1	60°	
PL 6x3/8	CONN-PL-60-2	60°	
PL 6x3/8	CONN-PL-90-1	90°	
PL 6x3/8	CONN-PL-90-2	90°	
PL 6x3/8	CONN-PL-180-1	0°	
PL 6x3/8	CONN-PL-180-2	0°	
PL 6x3/8	CONN-PL-210-1	210°	
PL 6x3/8	CONN-PL-210-2	210°	
PL 6x3/8	CONN-PL-300-1	300°	
PL 6x3/8	CONN-PL-300-2	300°	
PL 6x3/8	CONN-PL-330-1	330°	
PL 6x3/8	CONN-PL-330-2	330°	
L2.5x2.5	COR-1	210°	

Member Lookup	Member Label	Position	Maintenance Load
L2.5x2.5	COR-2	330°	
L2.5x2.5	COR-3	90°	
PL 6x1/2	COR-PL-90-1	90°	
PL 6x1/2	COR-PL-90-2	90°	
PL 6x1/2	COR-PL-90-3	90°	
PL 6x1/2	COR-PL-90-4	90°	
PL 6x1/2	COR-PL-210-1	210°	
PL 6x1/2	COR-PL-210-2	210°	
PL 6x1/2	COR-PL-210-3	210°	
PL 6x1/2	COR-PL-210-4	210°	
PL 6x1/2	COR-PL-330-1	330°	
PL 6x1/2	COR-PL-330-2	330°	
PL 6x1/2	COR-PL-330-3	330°	
PL 6x1/2	COR-PL-330-4	330°	
PIPE 3.0	FM-0	90°	Start/Mid/End
PIPE 3.0	FM-120	210°	Start/Mid/End
PIPE 3.0	FM-240	330°	Start/Mid/End
L2x2	GRATE-H-90-1	90°	Mid
L2x2	GRATE-H-90-2	90°	Mid
L2x2	GRATE-H-210-1	210°	Mid
L2x2	GRATE-H-210-2	210°	Mid
L2x2	GRATE-H-330-1	330°	Mid
L2x2	GRATE-H-330-2	330°	Mid
PIPE 2.0	HR-0	90°	Start/Mid/End
PIPE 2.0	HR-120	210°	Start/Mid/End
PIPE 2.0	HR-240	330°	Start/Mid/End
LL2.5x2.5	KICK-1	V	
LL2.5x2.5	KICK-2	V	
LL2.5x2.5	KICK-3	V	
PL 8x1/2	KICK-PL-1	300°	
PL 8x1/2	KICK-PL-2	V	
PL 8x1/2	KICK-PL-3	60°	
PL 8x1/2	KICK-PL-4	V	
PL 8x1/2	KICK-PL-5	180°	
PL 8x1/2	KICK-PL-6	V	
HSS 4x4SA	SA-1	300°	
HSS 4x4SA	SA-2	60°	
HSS 4x4SA	SA-3	180°	
PL 6x3/8	PL-90-1	90°	
PL 6x3/8	PL-90-2	90°	
PL 6x3/8	PL-330-1	330°	
PL 6x3/8	PL-330-2	330°	

Member Lookup	Member Label	Position	Maintenance Load
PL 6x3/8	PL-210-1	210°	
PL 6x3/8	PL-210-2	210°	



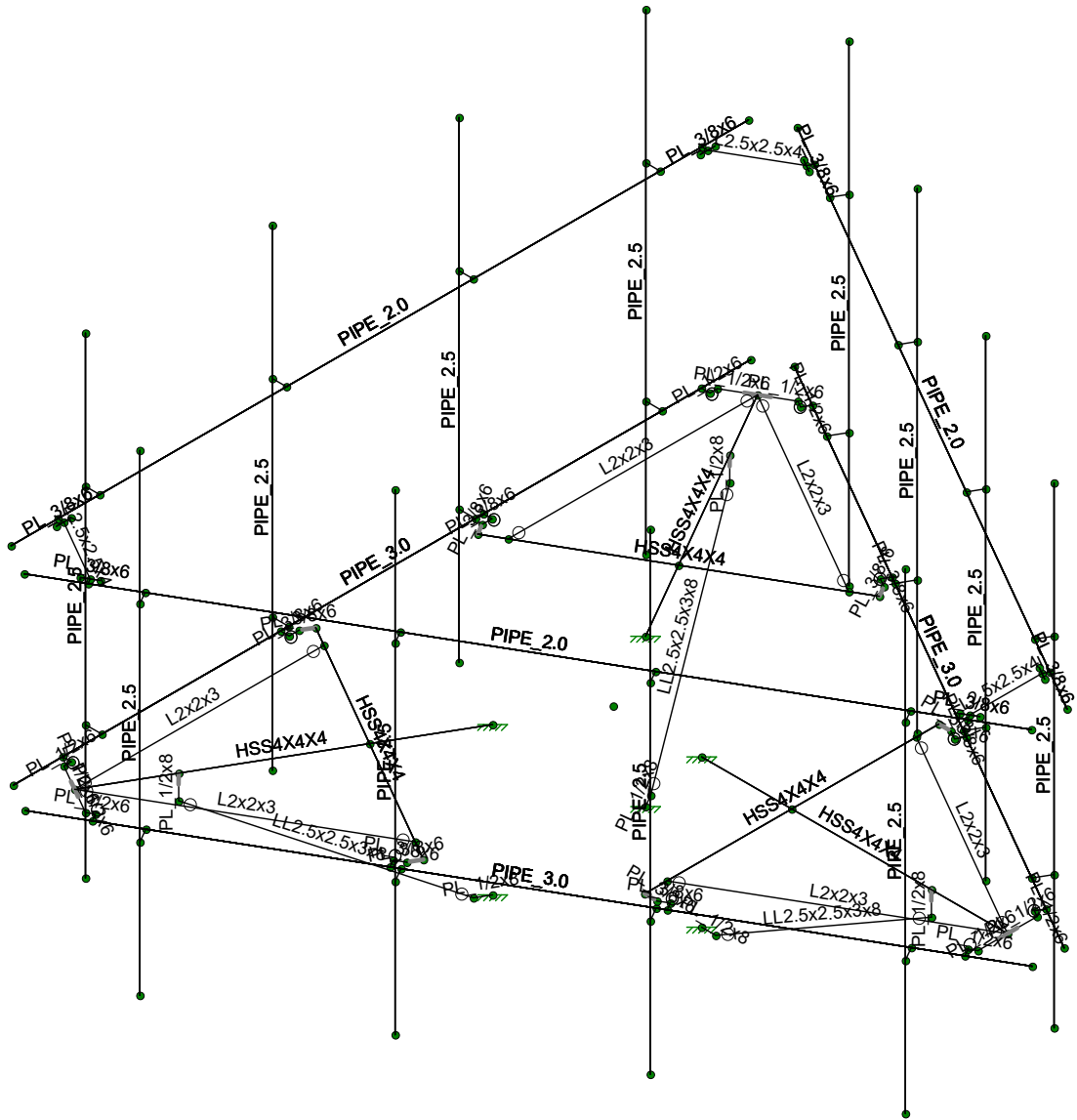
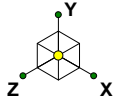
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KM		May 16, 2022 at 7:00 PM
ETS#22107100.STR.5860		411180_14099769_T-Mobile.r3d



ETS, PLLC
 KM
 ETS#22107100.STR.5860

Good Hill CT

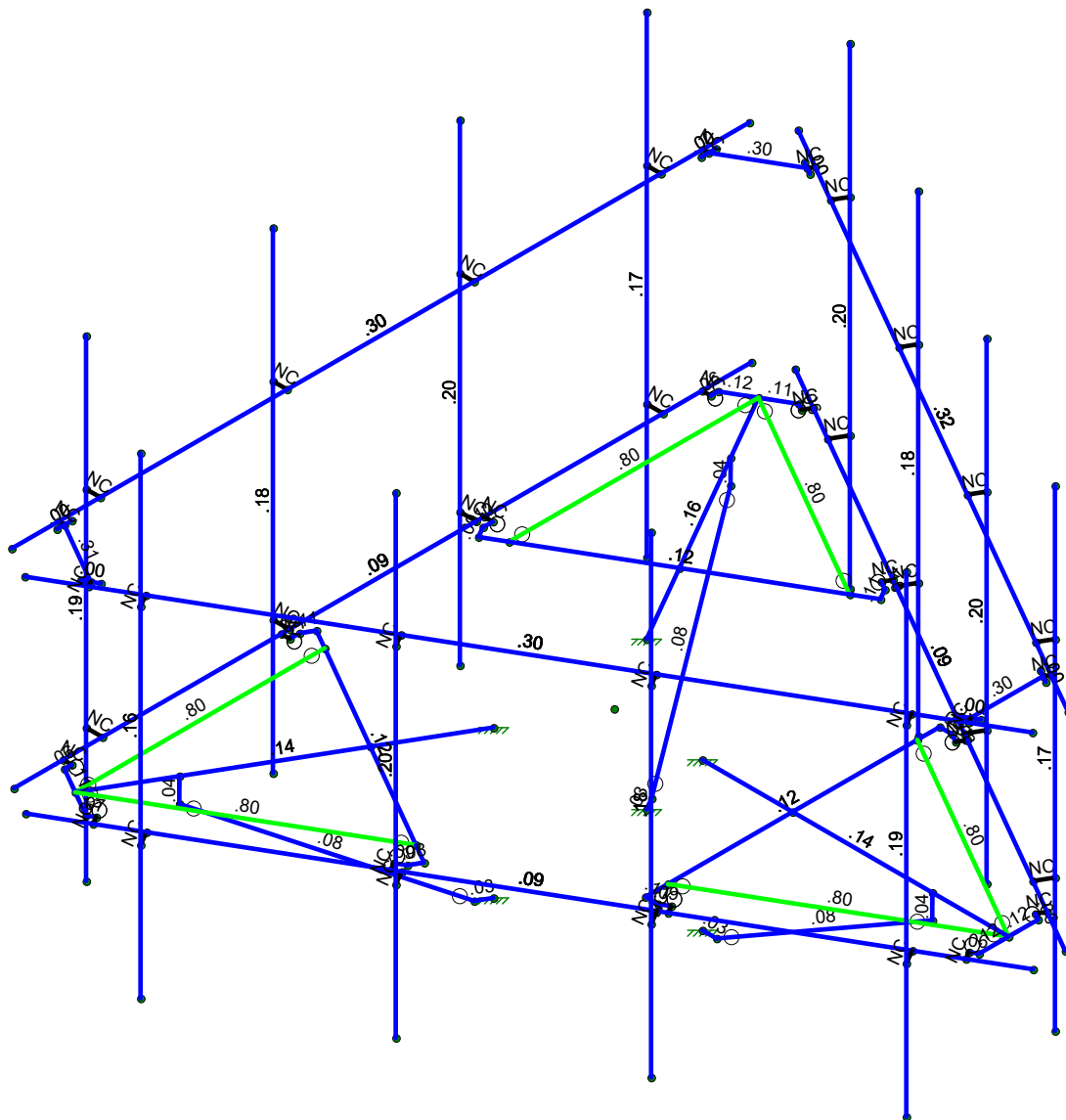
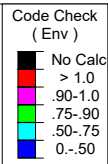
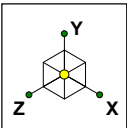
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ETS, PLLC
 KM
 ETS#22107100.STR.5860

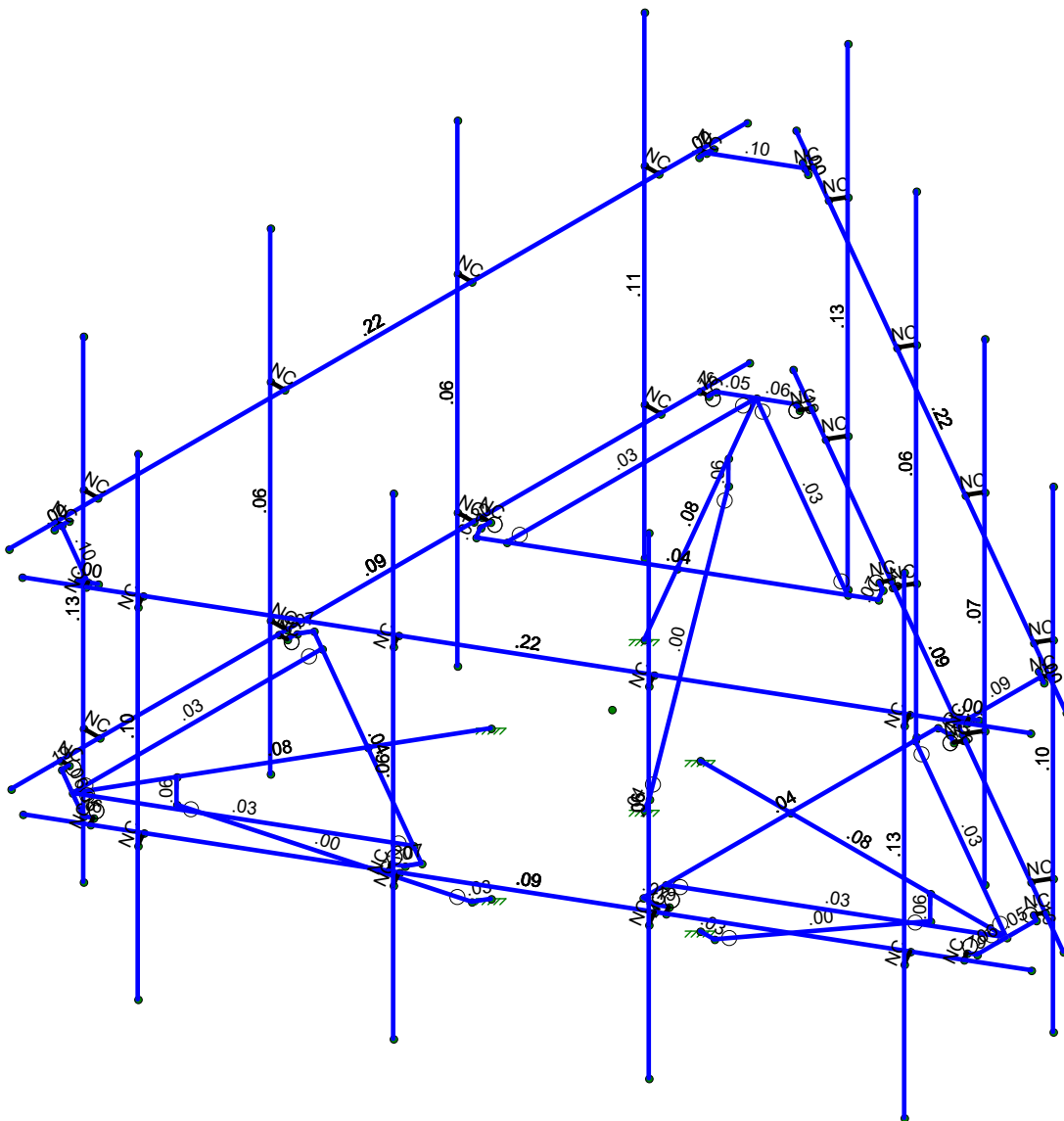
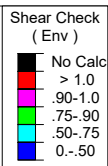
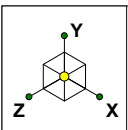
Good Hill CT

SK - 3
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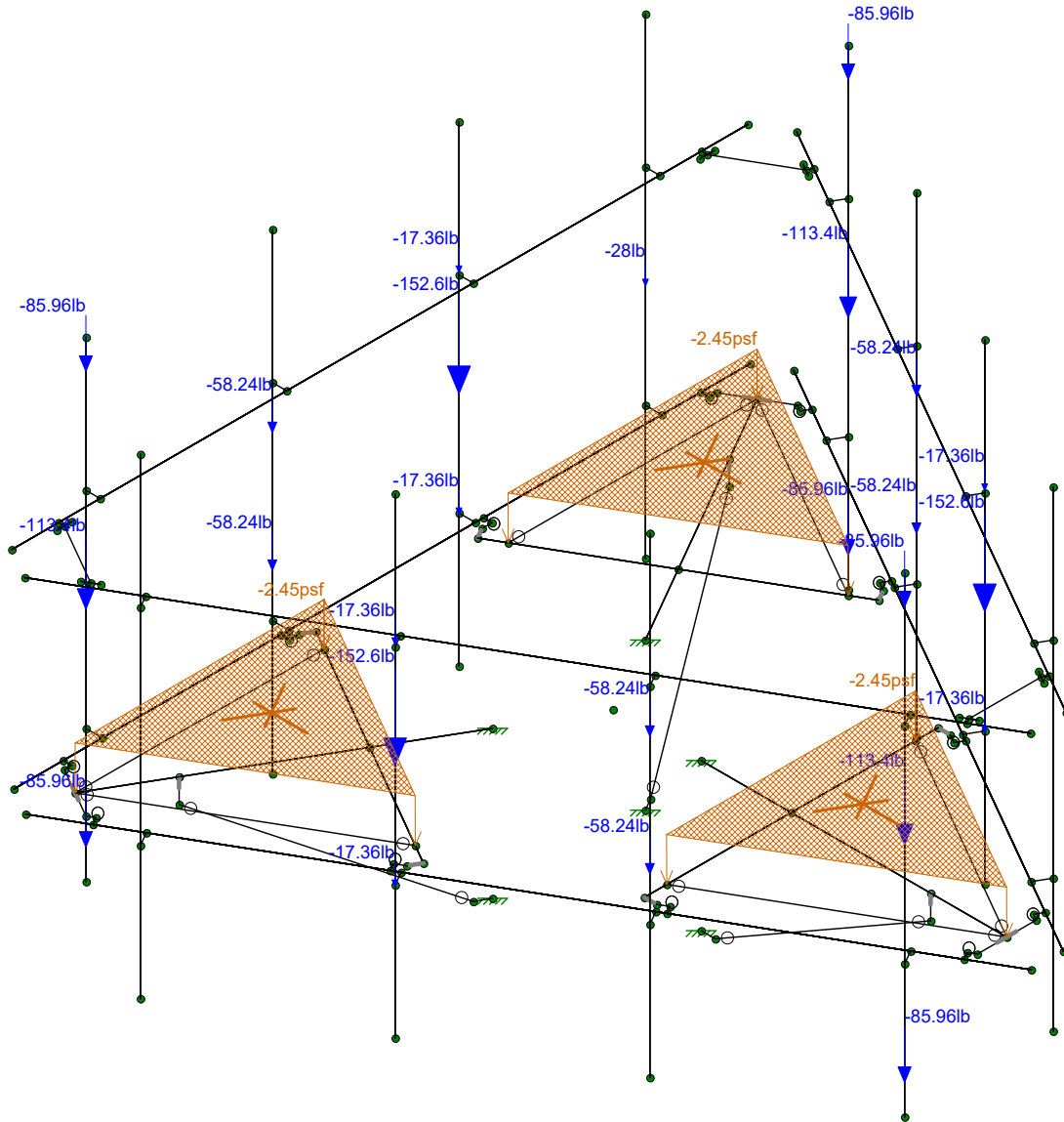
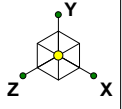
Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC	Good Hill CT	SK - 4
KM		May 16, 2022 at 7:01 PM
ETS#22107100.STR.5860		411180_14099769_T-Mobile.r3d



Member Shear Checks Displayed (Enveloped)
Results for LC 1, 1.4D

ETS, PLLC	Good Hill CT	SK - 5
KM		May 16, 2022 at 7:01 PM
ETS#22107100.STR.5860		411180_14099769_T-Mobile.r3d



Loads: LC 1, 1.4D

ETS, PLLC
 KM
 ETS#22107100.STR.5860

Good Hill CT

SK - 6
 May 16, 2022 at 7:02 PM
 411180_14099769_T-Mobile.r3d



Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N10	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N108						
3	N110	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	N114	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
5	N130						
6	N132	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
7	N136	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
8	N152						
9	N154	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
1	N1	-47.054047	0	75.	0	
2	N2	-47.054047	0	-75.	0	
3	N3	88.478929	0	-3.25	0	
4	N4	-41.424881	0	-78.25	0	
5	N5	80.215319	0	6.000274	0	
6	N6	80.215319	0	-6.000274	0	
7	N7	88.478929	0	3.25	0	
8	N8	-41.424881	0	78.25	0	
9	N9	36.293219	0	-25.358864	0	
10	N10	17.965319	0	-0.	0	
11	N11	36.293219	0	29.915332	0	
12	N12	36.293219	0	-29.915763	0	
13	N13	80.215319	0	-0.	0	
14	N14	36.293219	0	25.358433	0	
15	N15	0.	0	-0.	0	
16	N16	-47.054047	0	57.	0	
17	N17	-50.369047	0	57.	0	
18	N18	-50.369047	69	57.	0	
19	N19	-50.369047	-27	57.	0	
20	N20	36.293219	0	-0.	0	
21	N21	64.715319	-4.875	-0.	0	
22	N22	-47.054047	0	19.	0	
23	N23	-50.369047	0	19.	0	
24	N24	-50.369047	69	19.	0	
25	N25	-50.369047	-27	19.	0	
26	N26	-47.054047	0	-19.	0	
27	N27	-50.369047	0	-19.	0	
28	N28	-50.369047	69	-19.	0	
29	N29	-50.369047	-27	-19.	0	
30	N30	-47.054047	0	-57.	0	
31	N31	-50.369047	0	-57.	0	
32	N32	-50.369047	69	-57.	0	
33	N33	-50.369047	-27	-57.	0	
34	N34	72.890472	0	12.25	0	
35	N35	74.547972	0	15.120874	0	
36	N36	74.547972	69	15.120874	0	
37	N37	74.547972	-27	15.120874	0	
38	N38	39.981507	0	31.25	0	
39	N39	41.639007	0	34.120874	0	
40	N40	41.639007	69	34.120874	0	
41	N41	41.639007	-27	34.120874	0	
42	N42	7.072541	0	50.25	0	



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
43	N43	8.730041	0	53.120874	0	
44	N44	8.730041	69	53.120874	0	
45	N45	8.730041	-27	53.120874	0	
46	N46	-25.836424	0	69.25	0	
47	N47	-24.178924	0	72.120874	0	
48	N48	-24.178924	69	72.120874	0	
49	N49	-24.178924	-27	72.120874	0	
50	N50	-25.836424	0	-69.25	0	
51	N51	-24.178924	0	-72.120874	0	
52	N52	-24.178924	69	-72.120874	0	
53	N53	-24.178924	-27	-72.120874	0	
54	N54	7.072541	0	-50.25	0	
55	N55	8.730041	0	-53.120874	0	
56	N56	8.730041	69	-53.120874	0	
57	N57	8.730041	-27	-53.120874	0	
58	N58	39.981507	0	-31.25	0	
59	N59	41.639007	0	-34.120874	0	
60	N60	41.639007	69	-34.120874	0	
61	N61	41.639007	-27	-34.120874	0	
62	N62	72.890472	0	-12.25	0	
63	N63	74.547972	0	-15.120874	0	
64	N64	74.547972	69	-15.120874	0	
65	N65	74.547972	-27	-15.120874	0	
66	N66	38.793219	0	29.915332	0	
67	N67	40.52527	0	28.915332	0	
68	N68	41.40027	0	30.430876	0	
69	N69	38.793219	0	-29.915763	0	
70	N70	40.52527	0	-28.915763	0	
71	N71	41.40027	0	-30.431307	0	
72	N72	78.915967	0	6.750455	0	
73	N73	79.790967	0	8.266	0	
74	N74	78.915967	0	-6.750456	0	
75	N75	79.790967	0	-8.266001	0	
76	N76	-47.489047	42	75.	0	
77	N77	-47.489047	42	-75.	0	
78	N78	-47.489047	42	57.	0	
79	N79	-50.369047	42	57.	0	
80	N80	-47.489047	42	19.	0	
81	N81	-50.369047	42	19.	0	
82	N82	-47.489047	42	-19.	0	
83	N83	-50.369047	42	-19.	0	
84	N84	-47.489047	42	-57.	0	
85	N85	-50.369047	42	-57.	0	
86	N86	88.696429	42	3.626721	0	
87	N87	-41.207381	42	78.626721	0	
88	N88	80.465789	42	8.378683	0	
89	N89	80.465789	42	-8.378683	0	
90	N90	73.107972	42	12.626721	0	
91	N91	74.547972	42	15.120874	0	
92	N92	40.199007	42	31.626721	0	
93	N93	41.639007	42	34.120874	0	
94	N94	7.290041	42	50.626721	0	
95	N95	8.730041	42	53.120874	0	
96	N96	-25.618924	42	69.626721	0	
97	N97	-24.178924	42	72.120874	0	
98	N98	-41.207381	42	-78.626721	0	
99	N99	88.696429	42	-3.626721	0	



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
100	N100	-25.618924	42	-69.626721	0	
101	N101	-24.178924	42	-72.120874	0	
102	N102	7.290041	42	-50.626721	0	
103	N103	8.730041	42	-53.120874	0	
104	N104	40.199007	42	-31.626721	0	
105	N105	41.639007	42	-34.120874	0	
106	N106	73.107972	42	-12.626721	0	
107	N107	74.547972	42	-15.120874	0	
108	N108	20.840319	-30	-0.	0	
109	N109	64.715319	0	-0.	0	
110	N110	17.965319	-30	-0.	0	
111	N111	-34.911504	0	-72.469048	0	
112	N112	-45.304284	0	-66.468774	0	
113	N113	-40.108264	0	-18.751825	0	
114	N114	-8.982894	0	-15.55883	0	
115	N115	7.760593	0	-46.388923	0	
116	N116	-44.054654	0	-16.473376	0	
117	N117	-40.107894	0	-69.468911	0	
118	N118	3.814204	0	-44.110474	0	
119	N119	-32.357894	-4.875	-56.045518	0	
120	N120	6.510593	0	-48.553987	0	
121	N121	4.778543	0	-49.553987	0	
122	N122	5.653543	0	-51.069531	0	
123	N123	-45.304654	0	-18.638439	0	
124	N124	-45.304654	0	-20.638439	0	
125	N125	-47.054654	0	-20.638439	0	
126	N126	-33.612152	0	-71.718867	0	
127	N127	-32.737152	0	-73.234411	0	
128	N128	-45.304284	0	-64.968411	0	
129	N129	-47.054284	0	-64.968411	0	
130	N130	-10.420394	-30	-18.048653	0	
131	N131	-32.357894	0	-56.045518	0	
132	N132	-8.982894	-30	-15.55883	0	
133	N133	-45.304049	0	66.468367	0	
134	N134	-34.911269	0	72.468641	0	
135	N135	3.814811	0	44.110281	0	
136	N136	-8.982659	0	15.558422	0	
137	N137	-44.054047	0	16.473183	0	
138	N138	7.761201	0	46.388731	0	
139	N139	-40.107659	0	69.468504	0	
140	N140	-40.107657	0	18.751633	0	
141	N141	-32.357659	-4.875	56.04511	0	
142	N142	-45.304047	0	18.638247	0	
143	N143	-45.304047	0	20.638247	0	
144	N144	-47.054047	0	20.638247	0	
145	N145	6.511201	0	48.553794	0	
146	N146	4.779151	0	49.553794	0	
147	N147	5.654151	0	51.069338	0	
148	N148	-45.304049	0	64.968004	0	
149	N149	-47.054049	0	64.968004	0	
150	N150	-33.611916	0	71.718459	0	
151	N151	-32.736916	0	73.234004	0	
152	N152	-10.420159	-30	18.048245	0	
153	N153	-32.357659	0	56.04511	0	
154	N154	-8.982659	-30	15.558422	0	
155	N155	-32.976742	42	-73.874759	0	
156	N156	-47.489047	42	-65.496076	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
157	N157	-47.489047	42	65.496076	0	
158	N158	-32.976742	42	73.874759	0	
159	N160	-18.146844	0	-31.431257	0	
160	N162	-18.146609	0	31.430849	0	
161	N161	-46.299047	42	-65.496076	0	
162	N162A	-46.299047	42	65.496076	0	
163	N163	-46.299047	42	-63.996076	0	
164	N164	-46.299047	42	66.996076	0	
165	N165	-46.299047	42	-66.996076	0	
166	N166	-46.299047	42	63.996076	0	
167	N169	-33.571743	42	72.844189	0	
168	N170	79.870789	42	7.348113	0	
169	N171	-32.272704	42	72.094189	0	
170	N172	81.169827	42	6.598113	0	
171	N173	-34.870781	42	73.594189	0	
172	N174	78.57175	42	8.098113	0	
173	N177	79.870789	42	-7.348112	0	
174	N178	-33.571742	42	-72.844188	0	
175	N179	78.571751	42	-8.098112	0	
176	N180	-34.87078	42	-73.594188	0	
177	N181	81.169827	42	-6.598112	0	
178	N182	-32.272704	42	-72.094188	0	

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design ...	Material	Design Rules
1	BRACE-1	N137	N138			HSS4X4X4	Beam	SquareT...	Q235	Typical
2	BRACE-2	N115	N116			HSS4X4X4	Beam	SquareT...	Q235	Typical
3	BRACE-3	N11	N12			HSS4X4X4	Beam	SquareT...	Q235	Typical
4	CONN-PL-60-1	N116	N123			PL 3/8x6	Beam	BAR	Q235	DR1
5	CONN-PL-60-2	N115	N120			PL 3/8x6	Beam	BAR	Q235	DR1
6	CONN-PL-90-1	N142	N143			PL 3/8x6	Beam	BAR	Q235	Typical
7	CONN-PL-90-2	N123	N124			PL 3/8x6	Beam	BAR	Q235	Typical
8	CONN-PL-180-1	N12	N69			PL 3/8x6	Beam	BAR	Q235	DR1
9	CONN-PL-180-2	N11	N66			PL 3/8x6	Beam	BAR	Q235	DR1
10	CONN-PL-210-1	N120	N121			PL 3/8x6	Beam	BAR	Q235	Typical
11	CONN-PL-210-2	N69	N70			PL 3/8x6	Beam	BAR	Q235	Typical
12	CONN-PL-300-1	N138	N145			PL 3/8x6	Beam	BAR	Q235	DR1
13	CONN-PL-300-2	N137	N142			PL 3/8x6	Beam	BAR	Q235	DR1
14	CONN-PL-330-1	N66	N67			PL 3/8x6	Beam	BAR	Q235	Typical
15	CONN-PL-330-2	N145	N146			PL 3/8x6	Beam	BAR	Q235	Typical
16	COR-1	N162A	N169		90	L2.5x2.5x4	Beam	Single A...	Q235	Typical
17	COR-2	N178	N161		90	L2.5x2.5x4	Beam	Single A...	Q235	Typical
18	COR-3	N170	N177		90	L2.5x2.5x4	Beam	Single A...	Q235	Typical
19	COR-PL-90-1	N13	N6			PL 1/2x6	Beam	BAR	Q235	Typical
20	COR-PL-90-2	N13	N5			PL 1/2x6	Beam	BAR	Q235	Typical
21	COR-PL-90-3	N133	N148			PL 1/2x6	Beam	BAR	Q235	Typical
22	COR-PL-90-4	N112	N128			PL 1/2x6	Beam	BAR	Q235	Typical
23	COR-PL-210-1	N139	N134			PL 1/2x6	Beam	BAR	Q235	Typical
24	COR-PL-210-2	N139	N133			PL 1/2x6	Beam	BAR	Q235	Typical
25	COR-PL-210-3	N111	N126			PL 1/2x6	Beam	BAR	Q235	Typical
26	COR-PL-210-4	N6	N74			PL 1/2x6	Beam	BAR	Q235	Typical
27	COR-PL-330-1	N117	N112			PL 1/2x6	Beam	BAR	Q235	Typical
28	COR-PL-330-2	N117	N111			PL 1/2x6	Beam	BAR	Q235	Typical
29	COR-PL-330-3	N5	N72			PL 1/2x6	Beam	BAR	Q235	Typical
30	COR-PL-330-4	N134	N150			PL 1/2x6	Beam	BAR	Q235	Typical



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design ...	Material	Design Rules
31	FM-0	N1	N2			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
32	FM-120	N3	N4			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
33	FM-240	N7	N8			PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical
34	GRATE-H-90-1	N139	N140			L2x2x3	Beam	Single A...	Q235	Typical
35	GRATE-H-90-2	N117	N113		270	L2x2x3	Beam	Single A...	Q235	Typical
36	GRATE-H-210-1	N117	N118			L2x2x3	Beam	Single A...	Q235	Typical
37	GRATE-H-210-2	N13	N9		270	L2x2x3	Beam	Single A...	Q235	Typical
38	GRATE-H-330-1	N13	N14			L2x2x3	Beam	Single A...	Q235	Typical
39	GRATE-H-330-2	N139	N135		270	L2x2x3	Beam	Single A...	Q235	Typical
40	HR-0	N76	N77			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
41	HR-120	N98	N99			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
42	HR-240	N86	N87			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
43	KICK-1	N108	N21			LL2.5x2.5x3x8	Beam	Double ...	Q235	Typical
44	KICK-2	N152	N141			LL2.5x2.5x3x8	Beam	Double ...	Q235	Typical
45	KICK-3	N130	N119			LL2.5x2.5x3x8	Beam	Double ...	Q235	Typical
46	KICK-PL-1	N154	N152			PL 1/2x8	Beam	BAR	Q235	Typical
47	KICK-PL-2	N141	N153		60	PL 1/2x8	Beam	BAR	Q235	Typical
48	KICK-PL-3	N132	N130			PL 1/2x8	Beam	BAR	Q235	Typical
49	KICK-PL-4	N119	N131		300	PL 1/2x8	Beam	BAR	Q235	Typical
50	KICK-PL-5	N110	N108			PL 1/2x8	Beam	BAR	Q235	Typical
51	KICK-PL-6	N21	N109			PL 1/2x8	Beam	BAR	Q235	Typical
52	MP1	N19	N18			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
53	MP2	N25	N24			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
54	MP3	N29	N28			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
55	MP4	N33	N32			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
56	MP5	N53	N52			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
57	MP6	N57	N56			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
58	MP7	N61	N60			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
59	MP8	N65	N64			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
60	MP9	N37	N36			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
61	MP10	N41	N40			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
62	MP11	N45	N44			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
63	MP12	N49	N48			PIPE 2.5	Colu...	Pipe	A53 Gr.B	Typical
64	RL1	N16	N17			RIGID	None	None	RIGID	Typical
65	RL2	N22	N23			RIGID	None	None	RIGID	Typical
66	RL3	N26	N27			RIGID	None	None	RIGID	Typical
67	RL4	N30	N31			RIGID	None	None	RIGID	Typical
68	RL5	N34	N35			RIGID	None	None	RIGID	Typical
69	RL6	N38	N39			RIGID	None	None	RIGID	Typical
70	RL7	N42	N43			RIGID	None	None	RIGID	Typical
71	RL8	N46	N47			RIGID	None	None	RIGID	Typical
72	RL9	N50	N51			RIGID	None	None	RIGID	Typical
73	RL10	N54	N55			RIGID	None	None	RIGID	Typical
74	RL11	N58	N59			RIGID	None	None	RIGID	Typical
75	RL12	N62	N63			RIGID	None	None	RIGID	Typical
76	RL13	N67	N68			RIGID	None	None	RIGID	Typical
77	RL14	N70	N71			RIGID	None	None	RIGID	Typical
78	RL15	N72	N73			RIGID	None	None	RIGID	Typical
79	RL16	N74	N75			RIGID	None	None	RIGID	Typical
80	RL17	N78	N79			RIGID	None	None	RIGID	Typical
81	RL18	N80	N81			RIGID	None	None	RIGID	Typical
82	RL19	N82	N83			RIGID	None	None	RIGID	Typical
83	RL20	N84	N85			RIGID	None	None	RIGID	Typical
84	RL21	N90	N91			RIGID	None	None	RIGID	Typical
85	RL22	N92	N93			RIGID	None	None	RIGID	Typical
86	RL23	N94	N95			RIGID	None	None	RIGID	Typical
87	RL24	N96	N97			RIGID	None	None	RIGID	Typical



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design ...	Material	Design Rules
88	RL25	N100	N101			RIGID	None	None	RIGID	Typical
89	RL26	N102	N103			RIGID	None	None	RIGID	Typical
90	RL27	N104	N105			RIGID	None	None	RIGID	Typical
91	RL28	N106	N107			RIGID	None	None	RIGID	Typical
92	RL29	N121	N122			RIGID	None	None	RIGID	Typical
93	RL30	N124	N125			RIGID	None	None	RIGID	Typical
94	RL31	N126	N127			RIGID	None	None	RIGID	Typical
95	RL32	N128	N129			RIGID	None	None	RIGID	Typical
96	RL33	N143	N144			RIGID	None	None	RIGID	Typical
97	RL34	N146	N147			RIGID	None	None	RIGID	Typical
98	RL35	N148	N149			RIGID	None	None	RIGID	Typical
99	RL36	N150	N151			RIGID	None	None	RIGID	Typical
100	SA-1	N139	N136			HSS4X4X4	Beam	SquareT...	Q235	Typical
101	SA-2	N117	N114			HSS4X4X4	Beam	SquareT...	Q235	Typical
102	SA-3	N13	N10			HSS4X4X4	Beam	SquareT...	Q235	Typical
103	PL-90-1	N164	N166			PL 3/8x6	Beam	None	A36 Gr.36	Typical
104	PL-90-2	N163	N165			PL 3/8x6	Beam	None	A36 Gr.36	Typical
105	M105	N157	N162A			RIGID	None	None	RIGID	Typical
106	M106	N156	N161			RIGID	None	None	RIGID	Typical
107	PL-330-1	N172	N174			PL 3/8x6	Beam	None	A36 Gr.36	Typical
108	PL-330-2	N171	N173			PL 3/8x6	Beam	None	A36 Gr.36	Typical
109	M109	N88	N170			RIGID	None	None	RIGID	Typical
110	M110	N158	N169			RIGID	None	None	RIGID	Typical
111	PL-210-1	N180	N182			PL 3/8x6	Beam	None	A36 Gr.36	Typical
112	PL-210-2	N179	N181			PL 3/8x6	Beam	None	A36 Gr.36	Typical
113	M113	N155	N178			RIGID	None	None	RIGID	Typical
114	M114	N89	N177			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical Defl Ra...	Analysis Offset[in]	Inactive	Seismi...
1	BRACE-1						Yes			None
2	BRACE-2						Yes			None
3	BRACE-3						Yes			None
4	CONN-PL...				2		Yes			None
5	CONN-PL...				2		Yes			None
6	CONN-PL...						Yes			None
7	CONN-PL...						Yes			None
8	CONN-PL...				2		Yes			None
9	CONN-PL...				2		Yes			None
10	CONN-PL...						Yes			None
11	CONN-PL...						Yes			None
12	CONN-PL...				2		Yes			None
13	CONN-PL...				2		Yes			None
14	CONN-PL...						Yes			None
15	CONN-PL...						Yes			None
16	COR-1						Yes	Default		None
17	COR-2						Yes	Default		None
18	COR-3						Yes	Default		None
19	COR-PL-9...				2		Yes			None
20	COR-PL-9...				2		Yes			None
21	COR-PL-9...						Yes			None
22	COR-PL-9...						Yes			None
23	COR-PL-2...				2		Yes			None
24	COR-PL-2...				2		Yes			None
25	COR-PL-2...						Yes			None



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Advanced Data (Continued)

Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis	Offset[in]	Inactive	Seismi...
26	COR-PL-2...					Yes					None
27	COR-PL-3...		2			Yes					None
28	COR-PL-3...		2			Yes					None
29	COR-PL-3...					Yes					None
30	COR-PL-3...					Yes					None
31	FM-0					Yes					None
32	FM-120					Yes					None
33	FM-240					Yes					None
34	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
35	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
36	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
37	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
38	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
39	GRATE-H...	BenPIN	BenPIN			Yes	Default				None
40	HR-0					Yes					None
41	HR-120					Yes					None
42	HR-240					Yes					None
43	KICK-1	BenPIN	BenPIN			Yes					None
44	KICK-2	BenPIN	BenPIN			Yes					None
45	KICK-3	BenPIN	BenPIN			Yes					None
46	KICK-PL-1					Yes					None
47	KICK-PL-2			2		Yes					None
48	KICK-PL-3					Yes					None
49	KICK-PL-4			2		Yes					None
50	KICK-PL-5					Yes					None
51	KICK-PL-6			2		Yes					None
52	MP1					Yes	** NA **				None
53	MP2					Yes	** NA **				None
54	MP3					Yes	** NA **				None
55	MP4					Yes	** NA **				None
56	MP5					Yes	** NA **				None
57	MP6					Yes	** NA **				None
58	MP7					Yes	** NA **				None
59	MP8					Yes	** NA **				None
60	MP9					Yes	** NA **				None
61	MP10					Yes	** NA **				None
62	MP11					Yes	** NA **				None
63	MP12					Yes	** NA **				None
64	RL1					Yes	** NA **				None
65	RL2					Yes	** NA **				None
66	RL3					Yes	** NA **				None
67	RL4					Yes	** NA **				None
68	RL5					Yes	** NA **				None
69	RL6					Yes	** NA **				None
70	RL7					Yes	** NA **				None
71	RL8					Yes	** NA **				None
72	RL9					Yes	** NA **				None
73	RL10					Yes	** NA **				None
74	RL11					Yes	** NA **				None
75	RL12					Yes	** NA **				None
76	RL13		000X00			Yes	** NA **				None
77	RL14		000X00			Yes	** NA **				None
78	RL15		000X00			Yes	** NA **				None
79	RL16		000X00			Yes	** NA **				None
80	RL17					Yes	** NA **				None
81	RL18					Yes	** NA **				None
82	RL19					Yes	** NA **				None



Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis Offset[in]	Inactive	Seismi...
83	RL20						Yes	** NA **			None
84	RL21						Yes	** NA **			None
85	RL22						Yes	** NA **			None
86	RL23						Yes	** NA **			None
87	RL24						Yes	** NA **			None
88	RL25						Yes	** NA **			None
89	RL26						Yes	** NA **			None
90	RL27						Yes	** NA **			None
91	RL28						Yes	** NA **			None
92	RL29		000X00				Yes	** NA **			None
93	RL30		000X00				Yes	** NA **			None
94	RL31		000X00				Yes	** NA **			None
95	RL32		000X00				Yes	** NA **			None
96	RL33		000X00				Yes	** NA **			None
97	RL34		000X00				Yes	** NA **			None
98	RL35		000X00				Yes	** NA **			None
99	RL36		000X00				Yes	** NA **			None
100	SA-1						Yes				None
101	SA-2						Yes				None
102	SA-3						Yes				None
103	PL-90-1						Yes				None
104	PL-90-2						Yes				None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	PL-330-1						Yes				None
108	PL-330-2						Yes				None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	PL-210-1						Yes				None
112	PL-210-2						Yes				None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Lengt...	Lbyy[in]	Lbzz[in]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Func...
1	BRACE-1	HSS4X4X4	59.831	23.4	25.9							Late...
2	BRACE-2	HSS4X4X4	59.831	23.4	25.9							Late...
3	BRACE-3	HSS4X4X4	59.831	23.4	25.9							Late...
4	CONN-PL-60-1	PL 3/8x6	2.5									Late...
5	CONN-PL-60-2	PL 3/8x6	2.5									Late...
6	CONN-PL-90-1	PL 3/8x6	2									Late...
7	CONN-PL-90-2	PL 3/8x6	2									Late...
8	CONN-PL-180-1	PL 3/8x6	2.5									Late...
9	CONN-PL-180-2	PL 3/8x6	2.5									Late...
10	CONN-PL-210-1	PL 3/8x6	2									Late...
11	CONN-PL-210-2	PL 3/8x6	2									Late...
12	CONN-PL-300-1	PL 3/8x6	2.5									Late...
13	CONN-PL-300-2	PL 3/8x6	2.5									Late...
14	CONN-PL-330-1	PL 3/8x6	2									Late...
15	CONN-PL-330-2	PL 3/8x6	2									Late...
16	COR-1	L2.5x2.5x4	14.696									Late...
17	COR-2	L2.5x2.5x4	14.696									Late...
18	COR-3	L2.5x2.5x4	14.696									Late...
19	COR-PL-90-1	PL 1/2x6	6									Late...
20	COR-PL-90-2	PL 1/2x6	6									Late...



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Lengt...	Lbyy[in]	Lbzz[in]	Lcomp t...	Lcomp b...	L-tor...	Kyy	Kzz	Cb	Func...
21	COR-PL-90-3	PL 1/2x6	1.5									Late...
22	COR-PL-90-4	PL 1/2x6	1.5									Late...
23	COR-PL-210-1	PL 1/2x6	6									Late...
24	COR-PL-210-2	PL 1/2x6	6									Late...
25	COR-PL-210-3	PL 1/2x6	1.5									Late...
26	COR-PL-210-4	PL 1/2x6	1.5									Late...
27	COR-PL-330-1	PL 1/2x6	6									Late...
28	COR-PL-330-2	PL 1/2x6	6									Late...
29	COR-PL-330-3	PL 1/2x6	1.5									Late...
30	COR-PL-330-4	PL 1/2x6	1.5									Late...
31	FM-0	PIPE 3.0	150	49.4	49.4							Late...
32	FM-120	PIPE 3.0	150	49.4	49.4							Late...
33	FM-240	PIPE 3.0	150	49.4	49.4							Late...
34	GRATE-H-90-1	L2x2x3	50.717									Late...
35	GRATE-H-90-2	L2x2x3	50.717									Late...
36	GRATE-H-210-1	L2x2x3	50.717									Late...
37	GRATE-H-210-2	L2x2x3	50.717									Late...
38	GRATE-H-330-1	L2x2x3	50.717									Late...
39	GRATE-H-330-2	L2x2x3	50.717									Late...
40	HR-0	PIPE 2.0	150		38							Late...
41	HR-120	PIPE 2.0	150		38							Late...
42	HR-240	PIPE 2.0	150		38							Late...
43	KICK-1	LL2.5x2.5x3x8	50.56									Late...
44	KICK-2	LL2.5x2.5x3x8	50.56									Late...
45	KICK-3	LL2.5x2.5x3x8	50.56									Late...
46	KICK-PL-1	PL 1/2x8	2.875									Late...
47	KICK-PL-2	PL 1/2x8	4.875									Late...
48	KICK-PL-3	PL 1/2x8	2.875									Late...
49	KICK-PL-4	PL 1/2x8	4.875									Late...
50	KICK-PL-5	PL 1/2x8	2.875									Late...
51	KICK-PL-6	PL 1/2x8	4.875									Late...
52	MP1	PIPE 2.5	96									Late...
53	MP2	PIPE 2.5	96									Late...
54	MP3	PIPE 2.5	96									Late...
55	MP4	PIPE 2.5	96									Late...
56	MP5	PIPE 2.5	96									Late...
57	MP6	PIPE 2.5	96									Late...
58	MP7	PIPE 2.5	96									Late...
59	MP8	PIPE 2.5	96									Late...
60	MP9	PIPE 2.5	96									Late...
61	MP10	PIPE 2.5	96									Late...
62	MP11	PIPE 2.5	96									Late...
63	MP12	PIPE 2.5	96									Late...
64	SA-1	HSS4X4X4	62.25	41.9	46.75							Late...
65	SA-2	HSS4X4X4	62.25	41.9	46.75							Late...
66	SA-3	HSS4X4X4	62.25	41.9	46.75							Late...
67	PL-90-1	PL 3/8x6	3				Lbyy					Late...
68	PL-90-2	PL 3/8x6	3				Lbyy					Late...
69	PL-330-1	PL 3/8x6	3				Lbyy					Late...
70	PL-330-2	PL 3/8x6	3				Lbyy					Late...
71	PL-210-1	PL 3/8x6	3				Lbyy					Late...
72	PL-210-2	PL 3/8x6	3				Lbyy					Late...



Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (...)	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B R...	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Point Loads (BLC 1 : Dead Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	Y	0	%50
2	MP2	Y	0	%50
3	MP3	Y	0	%50
4	MP4	Y	0	%50
5	MP5	Y	0	%50
6	MP6	Y	0	%50
7	MP7	Y	0	%50
8	MP8	Y	0	%50
9	MP9	Y	0	%50
10	MP10	Y	0	%50
11	MP11	Y	0	%50
12	MP12	Y	0	%50
13	MP4	Y	-20	%50
14	MP1	Y	-81	%50
15	MP3	Y	-109	%50
16	MP5	Y	-81	%50
17	MP7	Y	-109	%50
18	MP9	Y	-81	%50
19	MP11	Y	-109	%50

Member Point Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	.1	%50
2	MP2	X	36	%50
3	MP3	X	24.9	%50
4	MP4	X	57.9	%50
5	MP5	X	52.1	%50
6	MP6	X	61.1	%50
7	MP7	X	58.3	%50
8	MP8	X	69.4	%50
9	MP9	X	52.1	%50
10	MP10	X	61.1	%50
11	MP11	X	58.3	%50
12	MP12	X	69.4	%50
13	MP4	X	0	%50
14	MP1	X	86.9	%50
15	MP3	X	77.4	%50
16	MP5	X	53.3	%50
17	MP7	X	64.1	%50
18	MP9	X	53.3	%50
19	MP11	X	64.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50

Member Point Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50
39	MP4	X	144.8	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	15.1	%50
2	MP2	X	38.4	%50
3	MP3	X	31.2	%50
4	MP4	X	52.6	%50
5	MP5	X	60.1	%50
6	MP6	X	60.1	%50
7	MP7	X	60.1	%50
8	MP8	X	60.1	%50
9	MP9	X	15.1	%50
10	MP10	X	38.4	%50
11	MP11	X	31.2	%50
12	MP12	X	60.1	%50
13	MP4	X	0	%50
14	MP1	X	65.6	%50
15	MP3	X	63.2	%50
16	MP5	X	36.5	%50
17	MP7	X	51.7	%50
18	MP9	X	65.6	%50
19	MP11	X	63.2	%50
20	MP1	Z	8.7	%50
21	MP2	Z	22.2	%50
22	MP3	Z	18	%50
23	MP4	Z	30.4	%50
24	MP5	Z	34.7	%50
25	MP6	Z	34.7	%50
26	MP7	Z	34.7	%50
27	MP8	Z	34.7	%50
28	MP9	Z	8.7	%50
29	MP10	Z	22.2	%50
30	MP11	Z	18	%50
31	MP12	Z	34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	37.8	%50



Member Point Loads (BLC 3 : Wind Load (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
34	MP3	Z	36.5	%50
35	MP5	Z	21.1	%50
36	MP7	Z	29.8	%50
37	MP9	Z	37.8	%50
38	MP11	Z	36.5	%50
39	MP4	X	138.9	%50
40	MP4	Z	26.9	%50
41	MP4	Mx	-13.1	%50

Member Point Loads (BLC 4 : Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	26	%50
2	MP2	X	30.5	%50
3	MP3	X	29.1	%50
4	MP4	X	33.3	%50
5	MP5	X	26	%50
6	MP6	X	30.5	%50
7	MP7	X	29.1	%50
8	MP8	X	34.7	%50
9	MP9	X	0	%50
10	MP10	X	18	%50
11	MP11	X	12.4	%50
12	MP12	X	34.7	%50
13	MP4	X	0	%50
14	MP1	X	26.7	%50
15	MP3	X	32	%50
16	MP5	X	26.7	%50
17	MP7	X	32	%50
18	MP9	X	43.4	%50
19	MP11	X	38.7	%50
20	MP1	Z	45.1	%50
21	MP2	Z	52.9	%50
22	MP3	Z	50.5	%50
23	MP4	Z	57.6	%50
24	MP5	Z	45.1	%50
25	MP6	Z	52.9	%50
26	MP7	Z	50.5	%50
27	MP8	Z	60.1	%50
28	MP9	Z	.1	%50
29	MP10	Z	31.2	%50
30	MP11	Z	21.6	%50
31	MP12	Z	60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	46.2	%50
34	MP3	Z	55.5	%50
35	MP5	Z	46.2	%50
36	MP7	Z	55.5	%50
37	MP9	Z	75.2	%50
38	MP11	Z	67	%50
39	MP4	X	108.5	%50
40	MP4	Z	42.1	%50
41	MP4	Mx	-2.2	%50

Member Point Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	0	%50



Member Point Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	69.4	%50
21	MP2	Z	69.4	%50
22	MP3	Z	69.4	%50
23	MP4	Z	69.4	%50
24	MP5	Z	17.4	%50
25	MP6	Z	44.3	%50
26	MP7	Z	36	%50
27	MP8	Z	69.4	%50
28	MP9	Z	17.4	%50
29	MP10	Z	44.3	%50
30	MP11	Z	36	%50
31	MP12	Z	69.4	%50
32	MP4	Z	0	%50
33	MP1	Z	42.2	%50
34	MP3	Z	59.7	%50
35	MP5	Z	75.7	%50
36	MP7	Z	73	%50
37	MP9	Z	75.7	%50
38	MP11	Z	73	%50
39	MP4	X	-12.6	%50
40	MP4	Z	71.7	%50
41	MP4	Mx	24.7	%50

Member Point Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-26	%50
2	MP2	X	-30.5	%50
3	MP3	X	-29.1	%50
4	MP4	X	-33.3	%50
5	MP5	X	0	%50
6	MP6	X	-18	%50
7	MP7	X	-12.4	%50
8	MP8	X	-34.7	%50
9	MP9	X	-26	%50
10	MP10	X	-30.5	%50
11	MP11	X	-29.1	%50
12	MP12	X	-34.7	%50
13	MP4	X	0	%50



Member Point Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
14	MP1	X	-26.7	%50
15	MP3	X	-32	%50
16	MP5	X	-43.4	%50
17	MP7	X	-38.7	%50
18	MP9	X	-26.7	%50
19	MP11	X	-32	%50
20	MP1	Z	45.1	%50
21	MP2	Z	52.9	%50
22	MP3	Z	50.5	%50
23	MP4	Z	57.6	%50
24	MP5	Z	.1	%50
25	MP6	Z	31.2	%50
26	MP7	Z	21.6	%50
27	MP8	Z	60.1	%50
28	MP9	Z	45.1	%50
29	MP10	Z	52.9	%50
30	MP11	Z	50.5	%50
31	MP12	Z	60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	46.2	%50
34	MP3	Z	55.5	%50
35	MP5	Z	75.2	%50
36	MP7	Z	67	%50
37	MP9	Z	46.2	%50
38	MP11	Z	55.5	%50
39	MP4	X	-81.6	%50
40	MP4	Z	50.2	%50
41	MP4	Mx	26.2	%50

Member Point Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-15.1	%50
2	MP2	X	-38.4	%50
3	MP3	X	-31.2	%50
4	MP4	X	-52.6	%50
5	MP5	X	-15.1	%50
6	MP6	X	-38.4	%50
7	MP7	X	-31.2	%50
8	MP8	X	-60.1	%50
9	MP9	X	-60.1	%50
10	MP10	X	-60.1	%50
11	MP11	X	-60.1	%50
12	MP12	X	-60.1	%50
13	MP4	X	0	%50
14	MP1	X	-65.6	%50
15	MP3	X	-63.2	%50
16	MP5	X	-65.6	%50
17	MP7	X	-63.2	%50
18	MP9	X	-36.5	%50
19	MP11	X	-51.7	%50
20	MP1	Z	8.7	%50
21	MP2	Z	22.2	%50
22	MP3	Z	18	%50
23	MP4	Z	30.4	%50
24	MP5	Z	8.7	%50
25	MP6	Z	22.2	%50



Member Point Loads (BLC 7 : Wind Load (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
26	MP7	Z	18	%50
27	MP8	Z	34.7	%50
28	MP9	Z	34.7	%50
29	MP10	Z	34.7	%50
30	MP11	Z	34.7	%50
31	MP12	Z	34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	37.8	%50
34	MP3	Z	36.5	%50
35	MP5	Z	37.8	%50
36	MP7	Z	36.5	%50
37	MP9	Z	21.1	%50
38	MP11	Z	29.8	%50
39	MP4	X	-109.8	%50
40	MP4	Z	20.2	%50
41	MP4	Mx	15.6	%50

Member Point Loads (BLC 8 : Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-.1	%50
2	MP2	X	-36	%50
3	MP3	X	-24.9	%50
4	MP4	X	-57.9	%50
5	MP5	X	-52.1	%50
6	MP6	X	-61.1	%50
7	MP7	X	-58.3	%50
8	MP8	X	-69.4	%50
9	MP9	X	-52.1	%50
10	MP10	X	-61.1	%50
11	MP11	X	-58.3	%50
12	MP12	X	-69.4	%50
13	MP4	X	0	%50
14	MP1	X	-86.9	%50
15	MP3	X	-77.4	%50
16	MP5	X	-53.3	%50
17	MP7	X	-64.1	%50
18	MP9	X	-53.3	%50
19	MP11	X	-64.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50



Member Point Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
38	MP11	Z	0	%50
39	MP4	X	-116.5	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	-15.1	%50
2	MP2	X	-38.4	%50
3	MP3	X	-31.2	%50
4	MP4	X	-52.6	%50
5	MP5	X	-60.1	%50
6	MP6	X	-60.1	%50
7	MP7	X	-60.1	%50
8	MP8	X	-60.1	%50
9	MP9	X	-15.1	%50
10	MP10	X	-38.4	%50
11	MP11	X	-31.2	%50
12	MP12	X	-60.1	%50
13	MP4	X	0	%50
14	MP1	X	-65.6	%50
15	MP3	X	-63.2	%50
16	MP5	X	-36.5	%50
17	MP7	X	-51.7	%50
18	MP9	X	-65.6	%50
19	MP11	X	-63.2	%50
20	MP1	Z	-8.7	%50
21	MP2	Z	-22.2	%50
22	MP3	Z	-18	%50
23	MP4	Z	-30.4	%50
24	MP5	Z	-34.7	%50
25	MP6	Z	-34.7	%50
26	MP7	Z	-34.7	%50
27	MP8	Z	-34.7	%50
28	MP9	Z	-8.7	%50
29	MP10	Z	-22.2	%50
30	MP11	Z	-18	%50
31	MP12	Z	-34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	-37.8	%50
34	MP3	Z	-36.5	%50
35	MP5	Z	-21.1	%50
36	MP7	Z	-29.8	%50
37	MP9	Z	-37.8	%50
38	MP11	Z	-36.5	%50
39	MP4	X	-109.8	%50
40	MP4	Z	-20.2	%50
41	MP4	Mx	-15.6	%50

Member Point Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	-26	%50
2	MP2	X	-30.5	%50
3	MP3	X	-29.1	%50
4	MP4	X	-33.3	%50
5	MP5	X	-26	%50



Member Point Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
6	MP6	X	-30.5	%50
7	MP7	X	-29.1	%50
8	MP8	X	-34.7	%50
9	MP9	X	0	%50
10	MP10	X	-18	%50
11	MP11	X	-12.4	%50
12	MP12	X	-34.7	%50
13	MP4	X	0	%50
14	MP1	X	-26.7	%50
15	MP3	X	-32	%50
16	MP5	X	-26.7	%50
17	MP7	X	-32	%50
18	MP9	X	-43.4	%50
19	MP11	X	-38.7	%50
20	MP1	Z	-45.1	%50
21	MP2	Z	-52.9	%50
22	MP3	Z	-50.5	%50
23	MP4	Z	-57.6	%50
24	MP5	Z	-45.1	%50
25	MP6	Z	-52.9	%50
26	MP7	Z	-50.5	%50
27	MP8	Z	-60.1	%50
28	MP9	Z	-.1	%50
29	MP10	Z	-31.2	%50
30	MP11	Z	-21.6	%50
31	MP12	Z	-60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	-46.2	%50
34	MP3	Z	-55.5	%50
35	MP5	Z	-46.2	%50
36	MP7	Z	-55.5	%50
37	MP9	Z	-75.2	%50
38	MP11	Z	-67	%50
39	MP4	X	-81.6	%50
40	MP4	Z	-50.2	%50
41	MP4	Mx	-26.2	%50

Member Point Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50



Member Point Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	-69.4	%50
21	MP2	Z	-69.4	%50
22	MP3	Z	-69.4	%50
23	MP4	Z	-69.4	%50
24	MP5	Z	-17.4	%50
25	MP6	Z	-44.3	%50
26	MP7	Z	-36	%50
27	MP8	Z	-69.4	%50
28	MP9	Z	-17.4	%50
29	MP10	Z	-44.3	%50
30	MP11	Z	-36	%50
31	MP12	Z	-69.4	%50
32	MP4	Z	0	%50
33	MP1	Z	-42.2	%50
34	MP3	Z	-59.7	%50
35	MP5	Z	-75.7	%50
36	MP7	Z	-73	%50
37	MP9	Z	-75.7	%50
38	MP11	Z	-73	%50
39	MP4	X	-12.6	%50
40	MP4	Z	-71.7	%50
41	MP4	Mx	-24.7	%50

Member Point Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	26	%50
2	MP2	X	30.5	%50
3	MP3	X	29.1	%50
4	MP4	X	33.3	%50
5	MP5	X	0	%50
6	MP6	X	18	%50
7	MP7	X	12.4	%50
8	MP8	X	34.7	%50
9	MP9	X	26	%50
10	MP10	X	30.5	%50
11	MP11	X	29.1	%50
12	MP12	X	34.7	%50
13	MP4	X	0	%50
14	MP1	X	26.7	%50
15	MP3	X	32	%50
16	MP5	X	43.4	%50
17	MP7	X	38.7	%50
18	MP9	X	26.7	%50
19	MP11	X	32	%50
20	MP1	Z	-45.1	%50
21	MP2	Z	-52.9	%50
22	MP3	Z	-50.5	%50
23	MP4	Z	-57.6	%50
24	MP5	Z	-.1	%50
25	MP6	Z	-31.2	%50
26	MP7	Z	-21.6	%50
27	MP8	Z	-60.1	%50
28	MP9	Z	-45.1	%50
29	MP10	Z	-52.9	%50



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Member Point Loads (BLC 12 : Wind Load (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
30	MP11	Z	-50.5	%50
31	MP12	Z	-60.1	%50
32	MP4	Z	0	%50
33	MP1	Z	-46.2	%50
34	MP3	Z	-55.5	%50
35	MP5	Z	-75.2	%50
36	MP7	Z	-67	%50
37	MP9	Z	-46.2	%50
38	MP11	Z	-55.5	%50
39	MP4	X	108.5	%50
40	MP4	Z	-42.1	%50
41	MP4	Mx	2.2	%50

Member Point Loads (BLC 13 : Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	15.1	%50
2	MP2	X	38.4	%50
3	MP3	X	31.2	%50
4	MP4	X	52.6	%50
5	MP5	X	15.1	%50
6	MP6	X	38.4	%50
7	MP7	X	31.2	%50
8	MP8	X	60.1	%50
9	MP9	X	60.1	%50
10	MP10	X	60.1	%50
11	MP11	X	60.1	%50
12	MP12	X	60.1	%50
13	MP4	X	0	%50
14	MP1	X	65.6	%50
15	MP3	X	63.2	%50
16	MP5	X	65.6	%50
17	MP7	X	63.2	%50
18	MP9	X	36.5	%50
19	MP11	X	51.7	%50
20	MP1	Z	-8.7	%50
21	MP2	Z	-22.2	%50
22	MP3	Z	-18	%50
23	MP4	Z	-30.4	%50
24	MP5	Z	-8.7	%50
25	MP6	Z	-22.2	%50
26	MP7	Z	-18	%50
27	MP8	Z	-34.7	%50
28	MP9	Z	-34.7	%50
29	MP10	Z	-34.7	%50
30	MP11	Z	-34.7	%50
31	MP12	Z	-34.7	%50
32	MP4	Z	0	%50
33	MP1	Z	-37.8	%50
34	MP3	Z	-36.5	%50
35	MP5	Z	-37.8	%50
36	MP7	Z	-36.5	%50
37	MP9	Z	-21.1	%50
38	MP11	Z	-29.8	%50
39	MP4	X	138.9	%50
40	MP4	Z	-26.9	%50
41	MP4	Mx	13.1	%50



Member Point Loads (BLC 14 : Ice Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	Y	-45.3	%50
2	MP2	Y	-45.3	%50
3	MP3	Y	-45.3	%50
4	MP4	Y	-45.3	%50
5	MP5	Y	-45.3	%50
6	MP6	Y	-45.3	%50
7	MP7	Y	-45.3	%50
8	MP8	Y	-45.3	%50
9	MP9	Y	-45.3	%50
10	MP10	Y	-45.3	%50
11	MP11	Y	-45.3	%50
12	MP12	Y	-45.3	%50
13	MP4	Y	-53.1	%50
14	MP1	Y	-47.8	%50
15	MP3	Y	-48.2	%50
16	MP5	Y	-47.8	%50
17	MP7	Y	-48.2	%50
18	MP9	Y	-47.8	%50
19	MP11	Y	-48.2	%50

Member Point Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	X	.5	%50
2	MP2	X	12.7	%50
3	MP3	X	8.9	%50
4	MP4	X	20.2	%50
5	MP5	X	16.3	%50
6	MP6	X	19.3	%50
7	MP7	X	18.4	%50
8	MP8	X	21.5	%50
9	MP9	X	16.3	%50
10	MP10	X	19.3	%50
11	MP11	X	18.4	%50
12	MP12	X	21.5	%50
13	MP4	X	0	%50
14	MP1	X	18	%50
15	MP3	X	16.1	%50
16	MP5	X	11.9	%50
17	MP7	X	14.1	%50
18	MP9	X	11.9	%50
19	MP11	X	14.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50



Member Point Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50
39	MP4	X	32.3	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 16 : Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	5	%50
2	MP2	X	12.9	%50
3	MP3	X	10.5	%50
4	MP4	X	17.8	%50
5	MP5	X	18.6	%50
6	MP6	X	18.6	%50
7	MP7	X	18.6	%50
8	MP8	X	18.6	%50
9	MP9	X	5	%50
10	MP10	X	12.9	%50
11	MP11	X	10.5	%50
12	MP12	X	18.6	%50
13	MP4	X	0	%50
14	MP1	X	13.8	%50
15	MP3	X	13.4	%50
16	MP5	X	8.6	%50
17	MP7	X	11.6	%50
18	MP9	X	13.8	%50
19	MP11	X	13.4	%50
20	MP1	Z	2.9	%50
21	MP2	Z	7.5	%50
22	MP3	Z	6	%50
23	MP4	Z	10.3	%50
24	MP5	Z	10.8	%50
25	MP6	Z	10.8	%50
26	MP7	Z	10.8	%50
27	MP8	Z	10.8	%50
28	MP9	Z	2.9	%50
29	MP10	Z	7.5	%50
30	MP11	Z	6	%50
31	MP12	Z	10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	8	%50
34	MP3	Z	7.7	%50
35	MP5	Z	4.9	%50
36	MP7	Z	6.7	%50
37	MP9	Z	8	%50
38	MP11	Z	7.7	%50
39	MP4	X	31	%50
40	MP4	Z	6	%50
41	MP4	Mx	-3.2	%50

Member Point Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	8.1	%50
2	MP2	X	9.7	%50



Member Point Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
3	MP3	X	9.2	%50
4	MP4	X	10.6	%50
5	MP5	X	8.1	%50
6	MP6	X	9.7	%50
7	MP7	X	9.2	%50
8	MP8	X	10.8	%50
9	MP9	X	.2	%50
10	MP10	X	6.4	%50
11	MP11	X	4.5	%50
12	MP12	X	10.8	%50
13	MP4	X	0	%50
14	MP1	X	6	%50
15	MP3	X	7.1	%50
16	MP5	X	6	%50
17	MP7	X	7.1	%50
18	MP9	X	9	%50
19	MP11	X	8.1	%50
20	MP1	Z	14.1	%50
21	MP2	Z	16.7	%50
22	MP3	Z	15.9	%50
23	MP4	Z	18.3	%50
24	MP5	Z	14.1	%50
25	MP6	Z	16.7	%50
26	MP7	Z	15.9	%50
27	MP8	Z	18.6	%50
28	MP9	Z	.4	%50
29	MP10	Z	11	%50
30	MP11	Z	7.7	%50
31	MP12	Z	18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	10.3	%50
34	MP3	Z	12.2	%50
35	MP5	Z	10.3	%50
36	MP7	Z	12.2	%50
37	MP9	Z	15.6	%50
38	MP11	Z	14	%50
39	MP4	X	24.2	%50
40	MP4	Z	9.4	%50
41	MP4	Mx	-.5	%50

Member Point Loads (BLC 18 : Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50



Member Point Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	21.5	%50
21	MP2	Z	21.5	%50
22	MP3	Z	21.5	%50
23	MP4	Z	21.5	%50
24	MP5	Z	5.7	%50
25	MP6	Z	14.9	%50
26	MP7	Z	12.1	%50
27	MP8	Z	21.5	%50
28	MP9	Z	5.7	%50
29	MP10	Z	14.9	%50
30	MP11	Z	12.1	%50
31	MP12	Z	21.5	%50
32	MP4	Z	0	%50
33	MP1	Z	9.9	%50
34	MP3	Z	13.4	%50
35	MP5	Z	16	%50
36	MP7	Z	15.5	%50
37	MP9	Z	16	%50
38	MP11	Z	15.5	%50
39	MP4	X	-2.8	%50
40	MP4	Z	16	%50
41	MP4	Mx	6	%50

Member Point Loads (BLC 19 : Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-8.1	%50
2	MP2	X	-9.7	%50
3	MP3	X	-9.2	%50
4	MP4	X	-10.6	%50
5	MP5	X	-2	%50
6	MP6	X	-6.4	%50
7	MP7	X	-4.5	%50
8	MP8	X	-10.8	%50
9	MP9	X	-8.1	%50
10	MP10	X	-9.7	%50
11	MP11	X	-9.2	%50
12	MP12	X	-10.8	%50
13	MP4	X	0	%50
14	MP1	X	-6	%50
15	MP3	X	-7.1	%50
16	MP5	X	-9	%50
17	MP7	X	-8.1	%50
18	MP9	X	-6	%50
19	MP11	X	-7.1	%50
20	MP1	Z	14.1	%50
21	MP2	Z	16.7	%50
22	MP3	Z	15.9	%50
23	MP4	Z	18.3	%50
24	MP5	Z	.4	%50
25	MP6	Z	11	%50
26	MP7	Z	7.7	%50



Member Point Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
27	MP8	Z	18.6	%50
28	MP9	Z	14.1	%50
29	MP10	Z	16.7	%50
30	MP11	Z	15.9	%50
31	MP12	Z	18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	10.3	%50
34	MP3	Z	12.2	%50
35	MP5	Z	15.6	%50
36	MP7	Z	14	%50
37	MP9	Z	10.3	%50
38	MP11	Z	12.2	%50
39	MP4	X	-18.2	%50
40	MP4	Z	11.2	%50
41	MP4	Mx	6.4	%50

Member Point Loads (BLC 20 : Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	-5	%50
2	MP2	X	-12.9	%50
3	MP3	X	-10.5	%50
4	MP4	X	-17.8	%50
5	MP5	X	-5	%50
6	MP6	X	-12.9	%50
7	MP7	X	-10.5	%50
8	MP8	X	-18.6	%50
9	MP9	X	-18.6	%50
10	MP10	X	-18.6	%50
11	MP11	X	-18.6	%50
12	MP12	X	-18.6	%50
13	MP4	X	0	%50
14	MP1	X	-13.8	%50
15	MP3	X	-13.4	%50
16	MP5	X	-13.8	%50
17	MP7	X	-13.4	%50
18	MP9	X	-8.6	%50
19	MP11	X	-11.6	%50
20	MP1	Z	2.9	%50
21	MP2	Z	7.5	%50
22	MP3	Z	6	%50
23	MP4	Z	10.3	%50
24	MP5	Z	2.9	%50
25	MP6	Z	7.5	%50
26	MP7	Z	6	%50
27	MP8	Z	10.8	%50
28	MP9	Z	10.8	%50
29	MP10	Z	10.8	%50
30	MP11	Z	10.8	%50
31	MP12	Z	10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	8	%50
34	MP3	Z	7.7	%50
35	MP5	Z	8	%50
36	MP7	Z	7.7	%50
37	MP9	Z	4.9	%50
38	MP11	Z	6.7	%50



Member Point Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
39	MP4	X	-24.5	%50
40	MP4	Z	4.5	%50
41	MP4	Mx	3.8	%50

Member Point Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-5	%50
2	MP2	X	-12.7	%50
3	MP3	X	-8.9	%50
4	MP4	X	-20.2	%50
5	MP5	X	-16.3	%50
6	MP6	X	-19.3	%50
7	MP7	X	-18.4	%50
8	MP8	X	-21.5	%50
9	MP9	X	-16.3	%50
10	MP10	X	-19.3	%50
11	MP11	X	-18.4	%50
12	MP12	X	-21.5	%50
13	MP4	X	0	%50
14	MP1	X	-18	%50
15	MP3	X	-16.1	%50
16	MP5	X	-11.9	%50
17	MP7	X	-14.1	%50
18	MP9	X	-11.9	%50
19	MP11	X	-14.1	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50
39	MP4	X	-26	%50
40	MP4	Z	0	%50
41	MP4	Mx	0	%50

Member Point Loads (BLC 22 : Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	-5	%50
2	MP2	X	-12.9	%50
3	MP3	X	-10.5	%50
4	MP4	X	-17.8	%50
5	MP5	X	-18.6	%50
6	MP6	X	-18.6	%50



Member Point Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
7	MP7	X	-18.6	%50
8	MP8	X	-18.6	%50
9	MP9	X	-5	%50
10	MP10	X	-12.9	%50
11	MP11	X	-10.5	%50
12	MP12	X	-18.6	%50
13	MP4	X	0	%50
14	MP1	X	-13.8	%50
15	MP3	X	-13.4	%50
16	MP5	X	-8.6	%50
17	MP7	X	-11.6	%50
18	MP9	X	-13.8	%50
19	MP11	X	-13.4	%50
20	MP1	Z	-2.9	%50
21	MP2	Z	-7.5	%50
22	MP3	Z	-6	%50
23	MP4	Z	-10.3	%50
24	MP5	Z	-10.8	%50
25	MP6	Z	-10.8	%50
26	MP7	Z	-10.8	%50
27	MP8	Z	-10.8	%50
28	MP9	Z	-2.9	%50
29	MP10	Z	-7.5	%50
30	MP11	Z	-6	%50
31	MP12	Z	-10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	-8	%50
34	MP3	Z	-7.7	%50
35	MP5	Z	-4.9	%50
36	MP7	Z	-6.7	%50
37	MP9	Z	-8	%50
38	MP11	Z	-7.7	%50
39	MP4	X	-24.5	%50
40	MP4	Z	-4.5	%50
41	MP4	Mx	-3.8	%50

Member Point Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	X	-8.1	%50
2	MP2	X	-9.7	%50
3	MP3	X	-9.2	%50
4	MP4	X	-10.6	%50
5	MP5	X	-8.1	%50
6	MP6	X	-9.7	%50
7	MP7	X	-9.2	%50
8	MP8	X	-10.8	%50
9	MP9	X	-2	%50
10	MP10	X	-6.4	%50
11	MP11	X	-4.5	%50
12	MP12	X	-10.8	%50
13	MP4	X	0	%50
14	MP1	X	-6	%50
15	MP3	X	-7.1	%50
16	MP5	X	-6	%50
17	MP7	X	-7.1	%50
18	MP9	X	-9	%50



Member Point Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
19	MP11	X	-8.1	%50
20	MP1	Z	-14.1	%50
21	MP2	Z	-16.7	%50
22	MP3	Z	-15.9	%50
23	MP4	Z	-18.3	%50
24	MP5	Z	-14.1	%50
25	MP6	Z	-16.7	%50
26	MP7	Z	-15.9	%50
27	MP8	Z	-18.6	%50
28	MP9	Z	-4	%50
29	MP10	Z	-11	%50
30	MP11	Z	-7.7	%50
31	MP12	Z	-18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	-10.3	%50
34	MP3	Z	-12.2	%50
35	MP5	Z	-10.3	%50
36	MP7	Z	-12.2	%50
37	MP9	Z	-15.6	%50
38	MP11	Z	-14	%50
39	MP4	X	-18.2	%50
40	MP4	Z	-11.2	%50
41	MP4	Mx	-6.4	%50

Member Point Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	-21.5	%50
21	MP2	Z	-21.5	%50
22	MP3	Z	-21.5	%50
23	MP4	Z	-21.5	%50
24	MP5	Z	-5.7	%50
25	MP6	Z	-14.9	%50
26	MP7	Z	-12.1	%50
27	MP8	Z	-21.5	%50
28	MP9	Z	-5.7	%50
29	MP10	Z	-14.9	%50
30	MP11	Z	-12.1	%50



Member Point Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
31	MP12	Z	-21.5	%50
32	MP4	Z	0	%50
33	MP1	Z	-9.9	%50
34	MP3	Z	-13.4	%50
35	MP5	Z	-16	%50
36	MP7	Z	-15.5	%50
37	MP9	Z	-16	%50
38	MP11	Z	-15.5	%50
39	MP4	X	-2.8	%50
40	MP4	Z	-16	%50
41	MP4	Mx	-6	%50

Member Point Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP1	X	8.1	%50
2	MP2	X	9.7	%50
3	MP3	X	9.2	%50
4	MP4	X	10.6	%50
5	MP5	X	.2	%50
6	MP6	X	6.4	%50
7	MP7	X	4.5	%50
8	MP8	X	10.8	%50
9	MP9	X	8.1	%50
10	MP10	X	9.7	%50
11	MP11	X	9.2	%50
12	MP12	X	10.8	%50
13	MP4	X	0	%50
14	MP1	X	6	%50
15	MP3	X	7.1	%50
16	MP5	X	9	%50
17	MP7	X	8.1	%50
18	MP9	X	6	%50
19	MP11	X	7.1	%50
20	MP1	Z	-14.1	%50
21	MP2	Z	-16.7	%50
22	MP3	Z	-15.9	%50
23	MP4	Z	-18.3	%50
24	MP5	Z	-.4	%50
25	MP6	Z	-11	%50
26	MP7	Z	-7.7	%50
27	MP8	Z	-18.6	%50
28	MP9	Z	-14.1	%50
29	MP10	Z	-16.7	%50
30	MP11	Z	-15.9	%50
31	MP12	Z	-18.6	%50
32	MP4	Z	0	%50
33	MP1	Z	-10.3	%50
34	MP3	Z	-12.2	%50
35	MP5	Z	-15.6	%50
36	MP7	Z	-14	%50
37	MP9	Z	-10.3	%50
38	MP11	Z	-12.2	%50
39	MP4	X	24.2	%50
40	MP4	Z	-9.4	%50
41	MP4	Mx	.5	%50



Member Point Loads (BLC 26 : Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	5	%50
2	MP2	X	12.9	%50
3	MP3	X	10.5	%50
4	MP4	X	17.8	%50
5	MP5	X	5	%50
6	MP6	X	12.9	%50
7	MP7	X	10.5	%50
8	MP8	X	18.6	%50
9	MP9	X	18.6	%50
10	MP10	X	18.6	%50
11	MP11	X	18.6	%50
12	MP12	X	18.6	%50
13	MP4	X	0	%50
14	MP1	X	13.8	%50
15	MP3	X	13.4	%50
16	MP5	X	13.8	%50
17	MP7	X	13.4	%50
18	MP9	X	8.6	%50
19	MP11	X	11.6	%50
20	MP1	Z	-2.9	%50
21	MP2	Z	-7.5	%50
22	MP3	Z	-6	%50
23	MP4	Z	-10.3	%50
24	MP5	Z	-2.9	%50
25	MP6	Z	-7.5	%50
26	MP7	Z	-6	%50
27	MP8	Z	-10.8	%50
28	MP9	Z	-10.8	%50
29	MP10	Z	-10.8	%50
30	MP11	Z	-10.8	%50
31	MP12	Z	-10.8	%50
32	MP4	Z	0	%50
33	MP1	Z	-8	%50
34	MP3	Z	-7.7	%50
35	MP5	Z	-8	%50
36	MP7	Z	-7.7	%50
37	MP9	Z	-4.9	%50
38	MP11	Z	-6.7	%50
39	MP4	X	31	%50
40	MP4	Z	-6	%50
41	MP4	Mx	3.2	%50

Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Point Loads (BLC 27 : Horizontal Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
13	MP4	X	20	%50
14	MP1	X	81	%50
15	MP3	X	109	%50
16	MP5	X	81	%50
17	MP7	X	109	%50
18	MP9	X	81	%50
19	MP11	X	109	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50

Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	17.3	%50
14	MP1	X	70.1	%50
15	MP3	X	94.4	%50
16	MP5	X	70.1	%50
17	MP7	X	94.4	%50
18	MP9	X	70.1	%50
19	MP11	X	94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50



Member Point Loads (BLC 28 : Horizontal Seismic, Eh (30)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	10	%50
33	MP1	Z	40.5	%50
34	MP3	Z	54.5	%50
35	MP5	Z	40.5	%50
36	MP7	Z	54.5	%50
37	MP9	Z	40.5	%50
38	MP11	Z	54.5	%50

Member Point Loads (BLC 29 : Horizontal Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	10	%50
14	MP1	X	40.5	%50
15	MP3	X	54.5	%50
16	MP5	X	40.5	%50
17	MP7	X	54.5	%50
18	MP9	X	40.5	%50
19	MP11	X	54.5	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	17.3	%50
33	MP1	Z	70.1	%50
34	MP3	Z	94.4	%50
35	MP5	Z	70.1	%50
36	MP7	Z	94.4	%50
37	MP9	Z	70.1	%50
38	MP11	Z	94.4	%50

Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50



Member Point Loads (BLC 30 : Horizontal Seismic, Eh (90)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	20	%50
33	MP1	Z	81	%50
34	MP3	Z	109	%50
35	MP5	Z	81	%50
36	MP7	Z	109	%50
37	MP9	Z	81	%50
38	MP11	Z	109	%50

Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-10	%50
14	MP1	X	-40.5	%50
15	MP3	X	-54.5	%50
16	MP5	X	-40.5	%50



Member Point Loads (BLC 31 : Horizontal Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
17	MP7	X	-54.5	%50
18	MP9	X	-40.5	%50
19	MP11	X	-54.5	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	17.3	%50
33	MP1	Z	70.1	%50
34	MP3	Z	94.4	%50
35	MP5	Z	70.1	%50
36	MP7	Z	94.4	%50
37	MP9	Z	70.1	%50
38	MP11	Z	94.4	%50

Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-17.3	%50
14	MP1	X	-70.1	%50
15	MP3	X	-94.4	%50
16	MP5	X	-70.1	%50
17	MP7	X	-94.4	%50
18	MP9	X	-70.1	%50
19	MP11	X	-94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50



Member Point Loads (BLC 32 : Horizontal Seismic, Eh (150)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP4	Z	10	%50
33	MP1	Z	40.5	%50
34	MP3	Z	54.5	%50
35	MP5	Z	40.5	%50
36	MP7	Z	54.5	%50
37	MP9	Z	40.5	%50
38	MP11	Z	54.5	%50

Member Point Loads (BLC 33 : Horizontal Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-20	%50
14	MP1	X	-81	%50
15	MP3	X	-109	%50
16	MP5	X	-81	%50
17	MP7	X	-109	%50
18	MP9	X	-81	%50
19	MP11	X	-109	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	0	%50
33	MP1	Z	0	%50
34	MP3	Z	0	%50
35	MP5	Z	0	%50
36	MP7	Z	0	%50
37	MP9	Z	0	%50
38	MP11	Z	0	%50

Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Point Loads (BLC 34 : Horizontal Seismic, Eh (210)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-17.3	%50
14	MP1	X	-70.1	%50
15	MP3	X	-94.4	%50
16	MP5	X	-70.1	%50
17	MP7	X	-94.4	%50
18	MP9	X	-70.1	%50
19	MP11	X	-94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-10	%50
33	MP1	Z	-40.5	%50
34	MP3	Z	-54.5	%50
35	MP5	Z	-40.5	%50
36	MP7	Z	-54.5	%50
37	MP9	Z	-40.5	%50
38	MP11	Z	-54.5	%50

Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	-10	%50
14	MP1	X	-40.5	%50
15	MP3	X	-54.5	%50
16	MP5	X	-40.5	%50
17	MP7	X	-54.5	%50
18	MP9	X	-40.5	%50
19	MP11	X	-54.5	%50
20	MP1	Z	0	%50



Member Point Loads (BLC 35 : Horizontal Seismic, Eh (240)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-17.3	%50
33	MP1	Z	-70.1	%50
34	MP3	Z	-94.4	%50
35	MP5	Z	-70.1	%50
36	MP7	Z	-94.4	%50
37	MP9	Z	-70.1	%50
38	MP11	Z	-94.4	%50

Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	0	%50
14	MP1	X	0	%50
15	MP3	X	0	%50
16	MP5	X	0	%50
17	MP7	X	0	%50
18	MP9	X	0	%50
19	MP11	X	0	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-20	%50
33	MP1	Z	-81	%50
34	MP3	Z	-109	%50
35	MP5	Z	-81	%50



Member Point Loads (BLC 36 : Horizontal Seismic, Eh (270)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
36	MP7	Z	-109	%50
37	MP9	Z	-81	%50
38	MP11	Z	-109	%50

Member Point Loads (BLC 37 : Horizontal Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	10	%50
14	MP1	X	40.5	%50
15	MP3	X	54.5	%50
16	MP5	X	40.5	%50
17	MP7	X	54.5	%50
18	MP9	X	40.5	%50
19	MP11	X	54.5	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-17.3	%50
33	MP1	Z	-70.1	%50
34	MP3	Z	-94.4	%50
35	MP5	Z	-70.1	%50
36	MP7	Z	-94.4	%50
37	MP9	Z	-70.1	%50
38	MP11	Z	-94.4	%50

Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP1	X	0	%50
2	MP2	X	0	%50
3	MP3	X	0	%50
4	MP4	X	0	%50
5	MP5	X	0	%50
6	MP6	X	0	%50
7	MP7	X	0	%50
8	MP8	X	0	%50
9	MP9	X	0	%50



Member Point Loads (BLC 38 : Horizontal Seismic, Eh (330)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
10	MP10	X	0	%50
11	MP11	X	0	%50
12	MP12	X	0	%50
13	MP4	X	17.3	%50
14	MP1	X	70.1	%50
15	MP3	X	94.4	%50
16	MP5	X	70.1	%50
17	MP7	X	94.4	%50
18	MP9	X	70.1	%50
19	MP11	X	94.4	%50
20	MP1	Z	0	%50
21	MP2	Z	0	%50
22	MP3	Z	0	%50
23	MP4	Z	0	%50
24	MP5	Z	0	%50
25	MP6	Z	0	%50
26	MP7	Z	0	%50
27	MP8	Z	0	%50
28	MP9	Z	0	%50
29	MP10	Z	0	%50
30	MP11	Z	0	%50
31	MP12	Z	0	%50
32	MP4	Z	-10	%50
33	MP1	Z	-40.5	%50
34	MP3	Z	-54.5	%50
35	MP5	Z	-40.5	%50
36	MP7	Z	-54.5	%50
37	MP9	Z	-40.5	%50
38	MP11	Z	-54.5	%50

Member Point Loads (BLC 39 : Maintenance Load, Lm (MP1))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP1	Y	-500	%50

Member Point Loads (BLC 40 : Maintenance Load, Lm (MP2))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP2	Y	-500	%50

Member Point Loads (BLC 41 : Maintenance Load, Lm (MP3))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	Y	-500	%50

Member Point Loads (BLC 42 : Maintenance Load, Lm (MP4))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP4	Y	-500	%50

Member Point Loads (BLC 43 : Maintenance Load, Lm (MP5))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP5	Y	-500	%50

Member Point Loads (BLC 44 : Maintenance Load, Lm (MP6))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP6	Y	-500	%50



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Member Point Loads (BLC 45 : Maintenance Load, Lm (MP7))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP7	Y	-500	%50

Member Point Loads (BLC 46 : Maintenance Load, Lm (MP8))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP8	Y	-500	%50

Member Point Loads (BLC 47 : Maintenance Load, Lm (MP9))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP9	Y	-500	%50

Member Point Loads (BLC 48 : Maintenance Load, Lm (MP10))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP10	Y	-500	%50

Member Point Loads (BLC 49 : Maintenance Load, Lm (MP11))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP11	Y	-500	%50

Member Point Loads (BLC 50 : Maintenance Load, Lm (MP12))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP12	Y	-500	%50

Member Point Loads (BLC 75 : Maintenance Load, Lv (Pos. 1))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-0	Y	-250	0

Member Point Loads (BLC 76 : Maintenance Load, Lv (Pos. 2))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-0	Y	-250	%50

Member Point Loads (BLC 77 : Maintenance Load, Lv (Pos. 3))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-0	Y	-250	%100

Member Point Loads (BLC 78 : Maintenance Load, Lv (Pos. 4))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-120	Y	-250	0

Member Point Loads (BLC 79 : Maintenance Load, Lv (Pos. 5))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-120	Y	-250	%50

Member Point Loads (BLC 80 : Maintenance Load, Lv (Pos. 6))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-120	Y	-250	%100

Member Point Loads (BLC 81 : Maintenance Load, Lv (Pos. 7))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-240	Y	-250	0



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Member Point Loads (BLC 82 : Maintenance Load, Lv (Pos. 8))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-240	Y	-250	%50

Member Point Loads (BLC 83 : Maintenance Load, Lv (Pos. 9))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	FM-240	Y	-250	%100

Member Point Loads (BLC 84 : Maintenance Load, Lv (Pos. 10))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-90-1	Y	-250	%50

Member Point Loads (BLC 85 : Maintenance Load, Lv (Pos. 11))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-90-2	Y	-250	%50

Member Point Loads (BLC 86 : Maintenance Load, Lv (Pos. 12))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-210-1	Y	-250	%50

Member Point Loads (BLC 87 : Maintenance Load, Lv (Pos. 13))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-210-2	Y	-250	%50

Member Point Loads (BLC 88 : Maintenance Load, Lv (Pos. 14))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-330-1	Y	-250	%50

Member Point Loads (BLC 89 : Maintenance Load, Lv (Pos. 15))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	GRATE-H-330-2	Y	-250	%50

Member Point Loads (BLC 90 : Maintenance Load, Lv (Pos. 16))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-0	Y	-250	0

Member Point Loads (BLC 91 : Maintenance Load, Lv (Pos. 17))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-0	Y	-250	%50

Member Point Loads (BLC 92 : Maintenance Load, Lv (Pos. 18))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-0	Y	-250	%100

Member Point Loads (BLC 93 : Maintenance Load, Lv (Pos. 19))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-120	Y	-250	0

Member Point Loads (BLC 94 : Maintenance Load, Lv (Pos. 20))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	HR-120	Y	-250	%50



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Member Point Loads (BLC 95 : Maintenance Load, Lv (Pos. 21))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-120	Y	-250	%100

Member Point Loads (BLC 96 : Maintenance Load, Lv (Pos. 22))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-240	Y	-250	0

Member Point Loads (BLC 97 : Maintenance Load, Lv (Pos. 23))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-240	Y	-250	%50

Member Point Loads (BLC 98 : Maintenance Load, Lv (Pos. 24))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	HR-240	Y	-250	%100

Member Point Loads (BLC 175 : Antenna Dead Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	Y	-12.4	%27.76
2	MP3	Y	-12.4	%72.24
3	MP1	Y	-61.4	%6.302
4	MP1	Y	-61.4	%93.698
5	MP2	Y	-41.6	%37.344
6	MP2	Y	-41.6	%62.656
7	MP7	Y	-12.4	%27.76
8	MP7	Y	-12.4	%72.24
9	MP5	Y	-61.4	%6.302
10	MP5	Y	-61.4	%93.698
11	MP6	Y	-41.6	%37.344
12	MP6	Y	-41.6	%62.656
13	MP11	Y	-12.4	%27.76
14	MP11	Y	-12.4	%72.24
15	MP9	Y	-61.4	%6.302
16	MP9	Y	-61.4	%93.698
17	MP10	Y	-41.6	%37.344
18	MP10	Y	-41.6	%62.656

Member Point Loads (BLC 176 : Antenna Wind Load (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	88.8	%27.76
2	MP3	X	88.8	%72.24
3	MP1	X	305.5	%6.302
4	MP1	X	305.5	%93.698
5	MP2	X	95.4	%37.344
6	MP2	X	95.4	%62.656
7	MP7	X	53.1	%27.76
8	MP7	X	53.1	%72.24
9	MP5	X	175.2	%6.302
10	MP5	X	175.2	%93.698
11	MP6	X	56.4	%37.344
12	MP6	X	56.4	%62.656
13	MP11	X	53.1	%27.76
14	MP11	X	53.1	%72.24
15	MP9	X	175.2	%6.302
16	MP9	X	175.2	%93.698
17	MP10	X	56.4	%37.344



Member Point Loads (BLC 176 : Antenna Wind Load (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
18	MP10	X	56.4	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 177 : Antenna Wind Load (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	66.6	%27.76
2	MP3	X	66.6	%72.24
3	MP1	X	227	%6.302
4	MP1	X	227	%93.698
5	MP2	X	71.4	%37.344
6	MP2	X	71.4	%62.656
7	MP7	X	35.7	%27.76
8	MP7	X	35.7	%72.24
9	MP5	X	114.1	%6.302
10	MP5	X	114.1	%93.698
11	MP6	X	37.6	%37.344
12	MP6	X	37.6	%62.656
13	MP11	X	66.6	%27.76
14	MP11	X	66.6	%72.24
15	MP9	X	227	%6.302
16	MP9	X	227	%93.698
17	MP10	X	71.4	%37.344
18	MP10	X	71.4	%62.656
19	MP3	Z	38.5	%27.76
20	MP3	Z	38.5	%72.24
21	MP1	Z	131	%6.302
22	MP1	Z	131	%93.698
23	MP2	Z	41.2	%37.344
24	MP2	Z	41.2	%62.656
25	MP7	Z	20.6	%27.76
26	MP7	Z	20.6	%72.24
27	MP5	Z	65.9	%6.302
28	MP5	Z	65.9	%93.698
29	MP6	Z	21.7	%37.344
30	MP6	Z	21.7	%62.656
31	MP11	Z	38.5	%27.76
32	MP11	Z	38.5	%72.24
33	MP9	Z	131	%6.302
34	MP9	Z	131	%93.698



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Member Point Loads (BLC 177 : Antenna Wind Load (30 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
35	MP10	Z	41.2	%37.344
36	MP10	Z	41.2	%62.656

Member Point Loads (BLC 178 : Antenna Wind Load (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	26.6	%27.76
2	MP3	X	26.6	%72.24
3	MP1	X	87.6	%6.302
4	MP1	X	87.6	%93.698
5	MP2	X	28.2	%37.344
6	MP2	X	28.2	%62.656
7	MP7	X	26.6	%27.76
8	MP7	X	26.6	%72.24
9	MP5	X	87.6	%6.302
10	MP5	X	87.6	%93.698
11	MP6	X	28.2	%37.344
12	MP6	X	28.2	%62.656
13	MP11	X	44.4	%27.76
14	MP11	X	44.4	%72.24
15	MP9	X	152.7	%6.302
16	MP9	X	152.7	%93.698
17	MP10	X	47.7	%37.344
18	MP10	X	47.7	%62.656
19	MP3	Z	46	%27.76
20	MP3	Z	46	%72.24
21	MP1	Z	151.7	%6.302
22	MP1	Z	151.7	%93.698
23	MP2	Z	48.9	%37.344
24	MP2	Z	48.9	%62.656
25	MP7	Z	46	%27.76
26	MP7	Z	46	%72.24
27	MP5	Z	151.7	%6.302
28	MP5	Z	151.7	%93.698
29	MP6	Z	48.9	%37.344
30	MP6	Z	48.9	%62.656
31	MP11	Z	76.9	%27.76
32	MP11	Z	76.9	%72.24
33	MP9	Z	264.6	%6.302
34	MP9	Z	264.6	%93.698
35	MP10	Z	82.6	%37.344
36	MP10	Z	82.6	%62.656

Member Point Loads (BLC 179 : Antenna Wind Load (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0



Member Point Loads (BLC 179 : Antenna Wind Load (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	41.2	%27.76
20	MP3	Z	41.2	%72.24
21	MP1	Z	131.8	%6.302
22	MP1	Z	131.8	%93.698
23	MP2	Z	43.4	%37.344
24	MP2	Z	43.4	%62.656
25	MP7	Z	76.9	%27.76
26	MP7	Z	76.9	%72.24
27	MP5	Z	262.1	%6.302
28	MP5	Z	262.1	%93.698
29	MP6	Z	82.4	%37.344
30	MP6	Z	82.4	%62.656
31	MP11	Z	76.9	%27.76
32	MP11	Z	76.9	%72.24
33	MP9	Z	262.1	%6.302
34	MP9	Z	262.1	%93.698
35	MP10	Z	82.4	%37.344
36	MP10	Z	82.4	%62.656

Member Point Loads (BLC 180 : Antenna Wind Load (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	-26.6	%27.76
2	MP3	X	-26.6	%72.24
3	MP1	X	-87.6	%6.302
4	MP1	X	-87.6	%93.698
5	MP2	X	-28.2	%37.344
6	MP2	X	-28.2	%62.656
7	MP7	X	-44.4	%27.76
8	MP7	X	-44.4	%72.24
9	MP5	X	-152.7	%6.302
10	MP5	X	-152.7	%93.698
11	MP6	X	-47.7	%37.344
12	MP6	X	-47.7	%62.656
13	MP11	X	-26.6	%27.76
14	MP11	X	-26.6	%72.24
15	MP9	X	-87.6	%6.302
16	MP9	X	-87.6	%93.698
17	MP10	X	-28.2	%37.344
18	MP10	X	-28.2	%62.656
19	MP3	Z	46	%27.76
20	MP3	Z	46	%72.24
21	MP1	Z	151.7	%6.302
22	MP1	Z	151.7	%93.698
23	MP2	Z	48.9	%37.344
24	MP2	Z	48.9	%62.656
25	MP7	Z	76.9	%27.76
26	MP7	Z	76.9	%72.24
27	MP5	Z	264.6	%6.302
28	MP5	Z	264.6	%93.698
29	MP6	Z	82.6	%37.344



Member Point Loads (BLC 180 : Antenna Wind Load (120 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
30	MP6	Z	82.6	%62.656
31	MP11	Z	46	%27.76
32	MP11	Z	46	%72.24
33	MP9	Z	151.7	%6.302
34	MP9	Z	151.7	%93.698
35	MP10	Z	48.9	%37.344
36	MP10	Z	48.9	%62.656

Member Point Loads (BLC 181 : Antenna Wind Load (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-66.6	%27.76
2	MP3	X	-66.6	%72.24
3	MP1	X	-227	%6.302
4	MP1	X	-227	%93.698
5	MP2	X	-71.4	%37.344
6	MP2	X	-71.4	%62.656
7	MP7	X	-66.6	%27.76
8	MP7	X	-66.6	%72.24
9	MP5	X	-227	%6.302
10	MP5	X	-227	%93.698
11	MP6	X	-71.4	%37.344
12	MP6	X	-71.4	%62.656
13	MP11	X	-35.7	%27.76
14	MP11	X	-35.7	%72.24
15	MP9	X	-114.1	%6.302
16	MP9	X	-114.1	%93.698
17	MP10	X	-37.6	%37.344
18	MP10	X	-37.6	%62.656
19	MP3	Z	38.5	%27.76
20	MP3	Z	38.5	%72.24
21	MP1	Z	131	%6.302
22	MP1	Z	131	%93.698
23	MP2	Z	41.2	%37.344
24	MP2	Z	41.2	%62.656
25	MP7	Z	38.5	%27.76
26	MP7	Z	38.5	%72.24
27	MP5	Z	131	%6.302
28	MP5	Z	131	%93.698
29	MP6	Z	41.2	%37.344
30	MP6	Z	41.2	%62.656
31	MP11	Z	20.6	%27.76
32	MP11	Z	20.6	%72.24
33	MP9	Z	65.9	%6.302
34	MP9	Z	65.9	%93.698
35	MP10	Z	21.7	%37.344
36	MP10	Z	21.7	%62.656

Member Point Loads (BLC 182 : Antenna Wind Load (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-88.8	%27.76
2	MP3	X	-88.8	%72.24
3	MP1	X	-305.5	%6.302
4	MP1	X	-305.5	%93.698
5	MP2	X	-95.4	%37.344
6	MP2	X	-95.4	%62.656
7	MP7	X	-53.1	%27.76



Member Point Loads (BLC 182 : Antenna Wind Load (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
8	MP7	X	-53.1	%72.24
9	MP5	X	-175.2	%6.302
10	MP5	X	-175.2	%93.698
11	MP6	X	-56.4	%37.344
12	MP6	X	-56.4	%62.656
13	MP11	X	-53.1	%27.76
14	MP11	X	-53.1	%72.24
15	MP9	X	-175.2	%6.302
16	MP9	X	-175.2	%93.698
17	MP10	X	-56.4	%37.344
18	MP10	X	-56.4	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 183 : Antenna Wind Load (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	-66.6	%27.76
2	MP3	X	-66.6	%72.24
3	MP1	X	-227	%6.302
4	MP1	X	-227	%93.698
5	MP2	X	-71.4	%37.344
6	MP2	X	-71.4	%62.656
7	MP7	X	-35.7	%27.76
8	MP7	X	-35.7	%72.24
9	MP5	X	-114.1	%6.302
10	MP5	X	-114.1	%93.698
11	MP6	X	-37.6	%37.344
12	MP6	X	-37.6	%62.656
13	MP11	X	-66.6	%27.76
14	MP11	X	-66.6	%72.24
15	MP9	X	-227	%6.302
16	MP9	X	-227	%93.698
17	MP10	X	-71.4	%37.344
18	MP10	X	-71.4	%62.656
19	MP3	Z	-38.5	%27.76
20	MP3	Z	-38.5	%72.24
21	MP1	Z	-131	%6.302
22	MP1	Z	-131	%93.698
23	MP2	Z	-41.2	%37.344
24	MP2	Z	-41.2	%62.656



Member Point Loads (BLC 183 : Antenna Wind Load (210 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
25	MP7	Z	-20.6	%27.76
26	MP7	Z	-20.6	%72.24
27	MP5	Z	-65.9	%6.302
28	MP5	Z	-65.9	%93.698
29	MP6	Z	-21.7	%37.344
30	MP6	Z	-21.7	%62.656
31	MP11	Z	-38.5	%27.76
32	MP11	Z	-38.5	%72.24
33	MP9	Z	-131	%6.302
34	MP9	Z	-131	%93.698
35	MP10	Z	-41.2	%37.344
36	MP10	Z	-41.2	%62.656

Member Point Loads (BLC 184 : Antenna Wind Load (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-26.6	%27.76
2	MP3	X	-26.6	%72.24
3	MP1	X	-87.6	%6.302
4	MP1	X	-87.6	%93.698
5	MP2	X	-28.2	%37.344
6	MP2	X	-28.2	%62.656
7	MP7	X	-26.6	%27.76
8	MP7	X	-26.6	%72.24
9	MP5	X	-87.6	%6.302
10	MP5	X	-87.6	%93.698
11	MP6	X	-28.2	%37.344
12	MP6	X	-28.2	%62.656
13	MP11	X	-44.4	%27.76
14	MP11	X	-44.4	%72.24
15	MP9	X	-152.7	%6.302
16	MP9	X	-152.7	%93.698
17	MP10	X	-47.7	%37.344
18	MP10	X	-47.7	%62.656
19	MP3	Z	-46	%27.76
20	MP3	Z	-46	%72.24
21	MP1	Z	-151.7	%6.302
22	MP1	Z	-151.7	%93.698
23	MP2	Z	-48.9	%37.344
24	MP2	Z	-48.9	%62.656
25	MP7	Z	-46	%27.76
26	MP7	Z	-46	%72.24
27	MP5	Z	-151.7	%6.302
28	MP5	Z	-151.7	%93.698
29	MP6	Z	-48.9	%37.344
30	MP6	Z	-48.9	%62.656
31	MP11	Z	-76.9	%27.76
32	MP11	Z	-76.9	%72.24
33	MP9	Z	-264.6	%6.302
34	MP9	Z	-264.6	%93.698
35	MP10	Z	-82.6	%37.344
36	MP10	Z	-82.6	%62.656

Member Point Loads (BLC 185 : Antenna Wind Load (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	0	0
2	MP3	X	0	0



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 Designer : KM
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 Model Name : Good Hill CT

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Member Point Loads (BLC 185 : Antenna Wind Load (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	-41.2	%27.76
20	MP3	Z	-41.2	%72.24
21	MP1	Z	-131.8	%6.302
22	MP1	Z	-131.8	%93.698
23	MP2	Z	-43.4	%37.344
24	MP2	Z	-43.4	%62.656
25	MP7	Z	-76.9	%27.76
26	MP7	Z	-76.9	%72.24
27	MP5	Z	-262.1	%6.302
28	MP5	Z	-262.1	%93.698
29	MP6	Z	-82.4	%37.344
30	MP6	Z	-82.4	%62.656
31	MP11	Z	-76.9	%27.76
32	MP11	Z	-76.9	%72.24
33	MP9	Z	-262.1	%6.302
34	MP9	Z	-262.1	%93.698
35	MP10	Z	-82.4	%37.344
36	MP10	Z	-82.4	%62.656

Member Point Loads (BLC 186 : Antenna Wind Load (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	26.6	%27.76
2	MP3	X	26.6	%72.24
3	MP1	X	87.6	%6.302
4	MP1	X	87.6	%93.698
5	MP2	X	28.2	%37.344
6	MP2	X	28.2	%62.656
7	MP7	X	44.4	%27.76
8	MP7	X	44.4	%72.24
9	MP5	X	152.7	%6.302
10	MP5	X	152.7	%93.698
11	MP6	X	47.7	%37.344
12	MP6	X	47.7	%62.656
13	MP11	X	26.6	%27.76
14	MP11	X	26.6	%72.24
15	MP9	X	87.6	%6.302
16	MP9	X	87.6	%93.698
17	MP10	X	28.2	%37.344
18	MP10	X	28.2	%62.656
19	MP3	Z	-46	%27.76



Member Point Loads (BLC 186 : Antenna Wind Load (300 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
20	MP3	Z	-46	%72.24
21	MP1	Z	-151.7	%6.302
22	MP1	Z	-151.7	%93.698
23	MP2	Z	-48.9	%37.344
24	MP2	Z	-48.9	%62.656
25	MP7	Z	-76.9	%27.76
26	MP7	Z	-76.9	%72.24
27	MP5	Z	-264.6	%6.302
28	MP5	Z	-264.6	%93.698
29	MP6	Z	-82.6	%37.344
30	MP6	Z	-82.6	%62.656
31	MP11	Z	-46	%27.76
32	MP11	Z	-46	%72.24
33	MP9	Z	-151.7	%6.302
34	MP9	Z	-151.7	%93.698
35	MP10	Z	-48.9	%37.344
36	MP10	Z	-48.9	%62.656

Member Point Loads (BLC 187 : Antenna Wind Load (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	66.6	%27.76
2	MP3	X	66.6	%72.24
3	MP1	X	227	%6.302
4	MP1	X	227	%93.698
5	MP2	X	71.4	%37.344
6	MP2	X	71.4	%62.656
7	MP7	X	66.6	%27.76
8	MP7	X	66.6	%72.24
9	MP5	X	227	%6.302
10	MP5	X	227	%93.698
11	MP6	X	71.4	%37.344
12	MP6	X	71.4	%62.656
13	MP11	X	35.7	%27.76
14	MP11	X	35.7	%72.24
15	MP9	X	114.1	%6.302
16	MP9	X	114.1	%93.698
17	MP10	X	37.6	%37.344
18	MP10	X	37.6	%62.656
19	MP3	Z	-38.5	%27.76
20	MP3	Z	-38.5	%72.24
21	MP1	Z	-131	%6.302
22	MP1	Z	-131	%93.698
23	MP2	Z	-41.2	%37.344
24	MP2	Z	-41.2	%62.656
25	MP7	Z	-38.5	%27.76
26	MP7	Z	-38.5	%72.24
27	MP5	Z	-131	%6.302
28	MP5	Z	-131	%93.698
29	MP6	Z	-41.2	%37.344
30	MP6	Z	-41.2	%62.656
31	MP11	Z	-20.6	%27.76
32	MP11	Z	-20.6	%72.24
33	MP9	Z	-65.9	%6.302
34	MP9	Z	-65.9	%93.698
35	MP10	Z	-21.7	%37.344
36	MP10	Z	-21.7	%62.656



Member Point Loads (BLC 188 : Antenna Ice Load)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	Y	-44.9	%27.76
2	MP3	Y	-44.9	%72.24
3	MP1	Y	-149.6	%6.302
4	MP1	Y	-149.6	%93.698
5	MP2	Y	-50.9	%37.344
6	MP2	Y	-50.9	%62.656
7	MP7	Y	-44.9	%27.76
8	MP7	Y	-44.9	%72.24
9	MP5	Y	-149.6	%6.302
10	MP5	Y	-149.6	%93.698
11	MP6	Y	-50.9	%37.344
12	MP6	Y	-50.9	%62.656
13	MP11	Y	-44.9	%27.76
14	MP11	Y	-44.9	%72.24
15	MP9	Y	-149.6	%6.302
16	MP9	Y	-149.6	%93.698
17	MP10	Y	-50.9	%37.344
18	MP10	Y	-50.9	%62.656

Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	18.4	%27.76
2	MP3	X	18.4	%72.24
3	MP1	X	60.5	%6.302
4	MP1	X	60.5	%93.698
5	MP2	X	19.3	%37.344
6	MP2	X	19.3	%62.656
7	MP7	X	11.7	%27.76
8	MP7	X	11.7	%72.24
9	MP5	X	36	%6.302
10	MP5	X	36	%93.698
11	MP6	X	12	%37.344
12	MP6	X	12	%62.656
13	MP11	X	11.7	%27.76
14	MP11	X	11.7	%72.24
15	MP9	X	36	%6.302
16	MP9	X	36	%93.698
17	MP10	X	12	%37.344
18	MP10	X	12	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0



Member Point Loads (BLC 189 : Antenna Wind on Ice (0 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
36	MP10	Z	0	0

Member Point Loads (BLC 190 : Antenna Wind on Ice (30 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	14	%27.76
2	MP3	X	14	%72.24
3	MP1	X	45.3	%6.302
4	MP1	X	45.3	%93.698
5	MP2	X	14.6	%37.344
6	MP2	X	14.6	%62.656
7	MP7	X	8.2	%27.76
8	MP7	X	8.2	%72.24
9	MP5	X	24.1	%6.302
10	MP5	X	24.1	%93.698
11	MP6	X	8.3	%37.344
12	MP6	X	8.3	%62.656
13	MP11	X	14	%27.76
14	MP11	X	14	%72.24
15	MP9	X	45.3	%6.302
16	MP9	X	45.3	%93.698
17	MP10	X	14.6	%37.344
18	MP10	X	14.6	%62.656
19	MP3	Z	8.1	%27.76
20	MP3	Z	8.1	%72.24
21	MP1	Z	26.2	%6.302
22	MP1	Z	26.2	%93.698
23	MP2	Z	8.4	%37.344
24	MP2	Z	8.4	%62.656
25	MP7	Z	4.8	%27.76
26	MP7	Z	4.8	%72.24
27	MP5	Z	13.9	%6.302
28	MP5	Z	13.9	%93.698
29	MP6	Z	4.8	%37.344
30	MP6	Z	4.8	%62.656
31	MP11	Z	8.1	%27.76
32	MP11	Z	8.1	%72.24
33	MP9	Z	26.2	%6.302
34	MP9	Z	26.2	%93.698
35	MP10	Z	8.4	%37.344
36	MP10	Z	8.4	%62.656

Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	5.9	%27.76
2	MP3	X	5.9	%72.24
3	MP1	X	18	%6.302
4	MP1	X	18	%93.698
5	MP2	X	6	%37.344
6	MP2	X	6	%62.656
7	MP7	X	5.9	%27.76
8	MP7	X	5.9	%72.24
9	MP5	X	18	%6.302
10	MP5	X	18	%93.698
11	MP6	X	6	%37.344
12	MP6	X	6	%62.656
13	MP11	X	9.2	%27.76



Member Point Loads (BLC 191 : Antenna Wind on Ice (60 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
14	MP11	X	9.2	%72.24
15	MP9	X	30.2	%6.302
16	MP9	X	30.2	%93.698
17	MP10	X	9.6	%37.344
18	MP10	X	9.6	%62.656
19	MP3	Z	10.2	%27.76
20	MP3	Z	10.2	%72.24
21	MP1	Z	31.2	%6.302
22	MP1	Z	31.2	%93.698
23	MP2	Z	10.4	%37.344
24	MP2	Z	10.4	%62.656
25	MP7	Z	10.2	%27.76
26	MP7	Z	10.2	%72.24
27	MP5	Z	31.2	%6.302
28	MP5	Z	31.2	%93.698
29	MP6	Z	10.4	%37.344
30	MP6	Z	10.4	%62.656
31	MP11	Z	15.9	%27.76
32	MP11	Z	15.9	%72.24
33	MP9	Z	52.4	%6.302
34	MP9	Z	52.4	%93.698
35	MP10	Z	16.7	%37.344
36	MP10	Z	16.7	%62.656

Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	9.5	%27.76
20	MP3	Z	9.5	%72.24
21	MP1	Z	27.9	%6.302
22	MP1	Z	27.9	%93.698
23	MP2	Z	9.6	%37.344
24	MP2	Z	9.6	%62.656
25	MP7	Z	16.2	%27.76
26	MP7	Z	16.2	%72.24
27	MP5	Z	52.3	%6.302
28	MP5	Z	52.3	%93.698
29	MP6	Z	16.9	%37.344
30	MP6	Z	16.9	%62.656



Member Point Loads (BLC 192 : Antenna Wind on Ice (90 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
31	MP11	Z	16.2	%27.76
32	MP11	Z	16.2	%72.24
33	MP9	Z	52.3	%6.302
34	MP9	Z	52.3	%93.698
35	MP10	Z	16.9	%37.344
36	MP10	Z	16.9	%62.656

Member Point Loads (BLC 193 : Antenna Wind on Ice (120 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-5.9	%27.76
2	MP3	X	-5.9	%72.24
3	MP1	X	-18	%6.302
4	MP1	X	-18	%93.698
5	MP2	X	-6	%37.344
6	MP2	X	-6	%62.656
7	MP7	X	-9.2	%27.76
8	MP7	X	-9.2	%72.24
9	MP5	X	-30.2	%6.302
10	MP5	X	-30.2	%93.698
11	MP6	X	-9.6	%37.344
12	MP6	X	-9.6	%62.656
13	MP11	X	-5.9	%27.76
14	MP11	X	-5.9	%72.24
15	MP9	X	-18	%6.302
16	MP9	X	-18	%93.698
17	MP10	X	-6	%37.344
18	MP10	X	-6	%62.656
19	MP3	Z	10.2	%27.76
20	MP3	Z	10.2	%72.24
21	MP1	Z	31.2	%6.302
22	MP1	Z	31.2	%93.698
23	MP2	Z	10.4	%37.344
24	MP2	Z	10.4	%62.656
25	MP7	Z	15.9	%27.76
26	MP7	Z	15.9	%72.24
27	MP5	Z	52.4	%6.302
28	MP5	Z	52.4	%93.698
29	MP6	Z	16.7	%37.344
30	MP6	Z	16.7	%62.656
31	MP11	Z	10.2	%27.76
32	MP11	Z	10.2	%72.24
33	MP9	Z	31.2	%6.302
34	MP9	Z	31.2	%93.698
35	MP10	Z	10.4	%37.344
36	MP10	Z	10.4	%62.656

Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-14	%27.76
2	MP3	X	-14	%72.24
3	MP1	X	-45.3	%6.302
4	MP1	X	-45.3	%93.698
5	MP2	X	-14.6	%37.344
6	MP2	X	-14.6	%62.656
7	MP7	X	-14	%27.76
8	MP7	X	-14	%72.24



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Point Loads (BLC 194 : Antenna Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
9	MP5	X	-45.3	%6.302
10	MP5	X	-45.3	%93.698
11	MP6	X	-14.6	%37.344
12	MP6	X	-14.6	%62.656
13	MP11	X	-8.2	%27.76
14	MP11	X	-8.2	%72.24
15	MP9	X	-24.1	%6.302
16	MP9	X	-24.1	%93.698
17	MP10	X	-8.3	%37.344
18	MP10	X	-8.3	%62.656
19	MP3	Z	8.1	%27.76
20	MP3	Z	8.1	%72.24
21	MP1	Z	26.2	%6.302
22	MP1	Z	26.2	%93.698
23	MP2	Z	8.4	%37.344
24	MP2	Z	8.4	%62.656
25	MP7	Z	8.1	%27.76
26	MP7	Z	8.1	%72.24
27	MP5	Z	26.2	%6.302
28	MP5	Z	26.2	%93.698
29	MP6	Z	8.4	%37.344
30	MP6	Z	8.4	%62.656
31	MP11	Z	4.8	%27.76
32	MP11	Z	4.8	%72.24
33	MP9	Z	13.9	%6.302
34	MP9	Z	13.9	%93.698
35	MP10	Z	4.8	%37.344
36	MP10	Z	4.8	%62.656

Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	-18.4	%27.76
2	MP3	X	-18.4	%72.24
3	MP1	X	-60.5	%6.302
4	MP1	X	-60.5	%93.698
5	MP2	X	-19.3	%37.344
6	MP2	X	-19.3	%62.656
7	MP7	X	-11.7	%27.76
8	MP7	X	-11.7	%72.24
9	MP5	X	-36	%6.302
10	MP5	X	-36	%93.698
11	MP6	X	-12	%37.344
12	MP6	X	-12	%62.656
13	MP11	X	-11.7	%27.76
14	MP11	X	-11.7	%72.24
15	MP9	X	-36	%6.302
16	MP9	X	-36	%93.698
17	MP10	X	-12	%37.344
18	MP10	X	-12	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Point Loads (BLC 195 : Antenna Wind on Ice (180 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 196 : Antenna Wind on Ice (210 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-14	%27.76
2	MP3	X	-14	%72.24
3	MP1	X	-45.3	%6.302
4	MP1	X	-45.3	%93.698
5	MP2	X	-14.6	%37.344
6	MP2	X	-14.6	%62.656
7	MP7	X	-8.2	%27.76
8	MP7	X	-8.2	%72.24
9	MP5	X	-24.1	%6.302
10	MP5	X	-24.1	%93.698
11	MP6	X	-8.3	%37.344
12	MP6	X	-8.3	%62.656
13	MP11	X	-14	%27.76
14	MP11	X	-14	%72.24
15	MP9	X	-45.3	%6.302
16	MP9	X	-45.3	%93.698
17	MP10	X	-14.6	%37.344
18	MP10	X	-14.6	%62.656
19	MP3	Z	-8.1	%27.76
20	MP3	Z	-8.1	%72.24
21	MP1	Z	-26.2	%6.302
22	MP1	Z	-26.2	%93.698
23	MP2	Z	-8.4	%37.344
24	MP2	Z	-8.4	%62.656
25	MP7	Z	-4.8	%27.76
26	MP7	Z	-4.8	%72.24
27	MP5	Z	-13.9	%6.302
28	MP5	Z	-13.9	%93.698
29	MP6	Z	-4.8	%37.344
30	MP6	Z	-4.8	%62.656
31	MP11	Z	-8.1	%27.76
32	MP11	Z	-8.1	%72.24
33	MP9	Z	-26.2	%6.302
34	MP9	Z	-26.2	%93.698
35	MP10	Z	-8.4	%37.344
36	MP10	Z	-8.4	%62.656

Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-5.9	%27.76
2	MP3	X	-5.9	%72.24
3	MP1	X	-18	%6.302



Member Point Loads (BLC 197 : Antenna Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
4	MP1	X	-18	%93.698
5	MP2	X	-6	%37.344
6	MP2	X	-6	%62.656
7	MP7	X	-5.9	%27.76
8	MP7	X	-5.9	%72.24
9	MP5	X	-18	%6.302
10	MP5	X	-18	%93.698
11	MP6	X	-6	%37.344
12	MP6	X	-6	%62.656
13	MP11	X	-9.2	%27.76
14	MP11	X	-9.2	%72.24
15	MP9	X	-30.2	%6.302
16	MP9	X	-30.2	%93.698
17	MP10	X	-9.6	%37.344
18	MP10	X	-9.6	%62.656
19	MP3	Z	-10.2	%27.76
20	MP3	Z	-10.2	%72.24
21	MP1	Z	-31.2	%6.302
22	MP1	Z	-31.2	%93.698
23	MP2	Z	-10.4	%37.344
24	MP2	Z	-10.4	%62.656
25	MP7	Z	-10.2	%27.76
26	MP7	Z	-10.2	%72.24
27	MP5	Z	-31.2	%6.302
28	MP5	Z	-31.2	%93.698
29	MP6	Z	-10.4	%37.344
30	MP6	Z	-10.4	%62.656
31	MP11	Z	-15.9	%27.76
32	MP11	Z	-15.9	%72.24
33	MP9	Z	-52.4	%6.302
34	MP9	Z	-52.4	%93.698
35	MP10	Z	-16.7	%37.344
36	MP10	Z	-16.7	%62.656

Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	-9.5	%27.76
20	MP3	Z	-9.5	%72.24



Member Point Loads (BLC 198 : Antenna Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
21	MP1	Z	-27.9	%6.302
22	MP1	Z	-27.9	%93.698
23	MP2	Z	-9.6	%37.344
24	MP2	Z	-9.6	%62.656
25	MP7	Z	-16.2	%27.76
26	MP7	Z	-16.2	%72.24
27	MP5	Z	-52.3	%6.302
28	MP5	Z	-52.3	%93.698
29	MP6	Z	-16.9	%37.344
30	MP6	Z	-16.9	%62.656
31	MP11	Z	-16.2	%27.76
32	MP11	Z	-16.2	%72.24
33	MP9	Z	-52.3	%6.302
34	MP9	Z	-52.3	%93.698
35	MP10	Z	-16.9	%37.344
36	MP10	Z	-16.9	%62.656

Member Point Loads (BLC 199 : Antenna Wind on Ice (300 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	5.9	%27.76
2	MP3	X	5.9	%72.24
3	MP1	X	18	%6.302
4	MP1	X	18	%93.698
5	MP2	X	6	%37.344
6	MP2	X	6	%62.656
7	MP7	X	9.2	%27.76
8	MP7	X	9.2	%72.24
9	MP5	X	30.2	%6.302
10	MP5	X	30.2	%93.698
11	MP6	X	9.6	%37.344
12	MP6	X	9.6	%62.656
13	MP11	X	5.9	%27.76
14	MP11	X	5.9	%72.24
15	MP9	X	18	%6.302
16	MP9	X	18	%93.698
17	MP10	X	6	%37.344
18	MP10	X	6	%62.656
19	MP3	Z	-10.2	%27.76
20	MP3	Z	-10.2	%72.24
21	MP1	Z	-31.2	%6.302
22	MP1	Z	-31.2	%93.698
23	MP2	Z	-10.4	%37.344
24	MP2	Z	-10.4	%62.656
25	MP7	Z	-15.9	%27.76
26	MP7	Z	-15.9	%72.24
27	MP5	Z	-52.4	%6.302
28	MP5	Z	-52.4	%93.698
29	MP6	Z	-16.7	%37.344
30	MP6	Z	-16.7	%62.656
31	MP11	Z	-10.2	%27.76
32	MP11	Z	-10.2	%72.24
33	MP9	Z	-31.2	%6.302
34	MP9	Z	-31.2	%93.698
35	MP10	Z	-10.4	%37.344
36	MP10	Z	-10.4	%62.656



Member Point Loads (BLC 200 : Antenna Wind on Ice (330 deg))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	14	%27.76
2	MP3	X	14	%72.24
3	MP1	X	45.3	%6.302
4	MP1	X	45.3	%93.698
5	MP2	X	14.6	%37.344
6	MP2	X	14.6	%62.656
7	MP7	X	14	%27.76
8	MP7	X	14	%72.24
9	MP5	X	45.3	%6.302
10	MP5	X	45.3	%93.698
11	MP6	X	14.6	%37.344
12	MP6	X	14.6	%62.656
13	MP11	X	8.2	%27.76
14	MP11	X	8.2	%72.24
15	MP9	X	24.1	%6.302
16	MP9	X	24.1	%93.698
17	MP10	X	8.3	%37.344
18	MP10	X	8.3	%62.656
19	MP3	Z	-8.1	%27.76
20	MP3	Z	-8.1	%72.24
21	MP1	Z	-26.2	%6.302
22	MP1	Z	-26.2	%93.698
23	MP2	Z	-8.4	%37.344
24	MP2	Z	-8.4	%62.656
25	MP7	Z	-8.1	%27.76
26	MP7	Z	-8.1	%72.24
27	MP5	Z	-26.2	%6.302
28	MP5	Z	-26.2	%93.698
29	MP6	Z	-8.4	%37.344
30	MP6	Z	-8.4	%62.656
31	MP11	Z	-4.8	%27.76
32	MP11	Z	-4.8	%72.24
33	MP9	Z	-13.9	%6.302
34	MP9	Z	-13.9	%93.698
35	MP10	Z	-4.8	%37.344
36	MP10	Z	-4.8	%62.656

Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	12.4	%27.76
2	MP3	X	12.4	%72.24
3	MP1	X	61.4	%6.302
4	MP1	X	61.4	%93.698
5	MP2	X	41.6	%37.344
6	MP2	X	41.6	%62.656
7	MP7	X	12.4	%27.76
8	MP7	X	12.4	%72.24
9	MP5	X	61.4	%6.302
10	MP5	X	61.4	%93.698
11	MP6	X	41.6	%37.344
12	MP6	X	41.6	%62.656
13	MP11	X	12.4	%27.76
14	MP11	X	12.4	%72.24
15	MP9	X	61.4	%6.302
16	MP9	X	61.4	%93.698
17	MP10	X	41.6	%37.344



Member Point Loads (BLC 201 : Ant. Horiz. Seismic, Eh (0)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
18	MP10	X	41.6	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	10.7	%27.76
2	MP3	X	10.7	%72.24
3	MP1	X	53.2	%6.302
4	MP1	X	53.2	%93.698
5	MP2	X	36.1	%37.344
6	MP2	X	36.1	%62.656
7	MP7	X	10.7	%27.76
8	MP7	X	10.7	%72.24
9	MP5	X	53.2	%6.302
10	MP5	X	53.2	%93.698
11	MP6	X	36.1	%37.344
12	MP6	X	36.1	%62.656
13	MP11	X	10.7	%27.76
14	MP11	X	10.7	%72.24
15	MP9	X	53.2	%6.302
16	MP9	X	53.2	%93.698
17	MP10	X	36.1	%37.344
18	MP10	X	36.1	%62.656
19	MP3	Z	6.2	%27.76
20	MP3	Z	6.2	%72.24
21	MP1	Z	30.7	%6.302
22	MP1	Z	30.7	%93.698
23	MP2	Z	20.8	%37.344
24	MP2	Z	20.8	%62.656
25	MP7	Z	6.2	%27.76
26	MP7	Z	6.2	%72.24
27	MP5	Z	30.7	%6.302
28	MP5	Z	30.7	%93.698
29	MP6	Z	20.8	%37.344
30	MP6	Z	20.8	%62.656
31	MP11	Z	6.2	%27.76
32	MP11	Z	6.2	%72.24
33	MP9	Z	30.7	%6.302
34	MP9	Z	30.7	%93.698



Member Point Loads (BLC 202 : Ant. Horiz. Seismic, Eh (30)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
35	MP10	Z	20.8	%37.344
36	MP10	Z	20.8	%62.656

Member Point Loads (BLC 203 : Ant. Horiz. Seismic, Eh (60))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	6.2	%27.76
2	MP3	X	6.2	%72.24
3	MP1	X	30.7	%6.302
4	MP1	X	30.7	%93.698
5	MP2	X	20.8	%37.344
6	MP2	X	20.8	%62.656
7	MP7	X	6.2	%27.76
8	MP7	X	6.2	%72.24
9	MP5	X	30.7	%6.302
10	MP5	X	30.7	%93.698
11	MP6	X	20.8	%37.344
12	MP6	X	20.8	%62.656
13	MP11	X	6.2	%27.76
14	MP11	X	6.2	%72.24
15	MP9	X	30.7	%6.302
16	MP9	X	30.7	%93.698
17	MP10	X	20.8	%37.344
18	MP10	X	20.8	%62.656
19	MP3	Z	10.7	%27.76
20	MP3	Z	10.7	%72.24
21	MP1	Z	53.2	%6.302
22	MP1	Z	53.2	%93.698
23	MP2	Z	36.1	%37.344
24	MP2	Z	36.1	%62.656
25	MP7	Z	10.7	%27.76
26	MP7	Z	10.7	%72.24
27	MP5	Z	53.2	%6.302
28	MP5	Z	53.2	%93.698
29	MP6	Z	36.1	%37.344
30	MP6	Z	36.1	%62.656
31	MP11	Z	10.7	%27.76
32	MP11	Z	10.7	%72.24
33	MP9	Z	53.2	%6.302
34	MP9	Z	53.2	%93.698
35	MP10	Z	36.1	%37.344
36	MP10	Z	36.1	%62.656

Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in,%]
1	MP3	X	0	0
2	MP3	X	0	0
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Point Loads (BLC 204 : Ant. Horiz. Seismic, Eh (90)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	12.4	%27.76
20	MP3	Z	12.4	%72.24
21	MP1	Z	61.4	%6.302
22	MP1	Z	61.4	%93.698
23	MP2	Z	41.6	%37.344
24	MP2	Z	41.6	%62.656
25	MP7	Z	12.4	%27.76
26	MP7	Z	12.4	%72.24
27	MP5	Z	61.4	%6.302
28	MP5	Z	61.4	%93.698
29	MP6	Z	41.6	%37.344
30	MP6	Z	41.6	%62.656
31	MP11	Z	12.4	%27.76
32	MP11	Z	12.4	%72.24
33	MP9	Z	61.4	%6.302
34	MP9	Z	61.4	%93.698
35	MP10	Z	41.6	%37.344
36	MP10	Z	41.6	%62.656

Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	-6.2	%27.76
2	MP3	X	-6.2	%72.24
3	MP1	X	-30.7	%6.302
4	MP1	X	-30.7	%93.698
5	MP2	X	-20.8	%37.344
6	MP2	X	-20.8	%62.656
7	MP7	X	-6.2	%27.76
8	MP7	X	-6.2	%72.24
9	MP5	X	-30.7	%6.302
10	MP5	X	-30.7	%93.698
11	MP6	X	-20.8	%37.344
12	MP6	X	-20.8	%62.656
13	MP11	X	-6.2	%27.76
14	MP11	X	-6.2	%72.24
15	MP9	X	-30.7	%6.302
16	MP9	X	-30.7	%93.698
17	MP10	X	-20.8	%37.344
18	MP10	X	-20.8	%62.656
19	MP3	Z	10.7	%27.76
20	MP3	Z	10.7	%72.24
21	MP1	Z	53.2	%6.302
22	MP1	Z	53.2	%93.698
23	MP2	Z	36.1	%37.344
24	MP2	Z	36.1	%62.656
25	MP7	Z	10.7	%27.76
26	MP7	Z	10.7	%72.24
27	MP5	Z	53.2	%6.302
28	MP5	Z	53.2	%93.698
29	MP6	Z	36.1	%37.344



Member Point Loads (BLC 205 : Ant. Horiz. Seismic, Eh (120)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
30	MP6	Z	36.1	%62.656
31	MP11	Z	10.7	%27.76
32	MP11	Z	10.7	%72.24
33	MP9	Z	53.2	%6.302
34	MP9	Z	53.2	%93.698
35	MP10	Z	36.1	%37.344
36	MP10	Z	36.1	%62.656

Member Point Loads (BLC 206 : Ant. Horiz. Seismic, Eh (150))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-10.7	%27.76
2	MP3	X	-10.7	%72.24
3	MP1	X	-53.2	%6.302
4	MP1	X	-53.2	%93.698
5	MP2	X	-36.1	%37.344
6	MP2	X	-36.1	%62.656
7	MP7	X	-10.7	%27.76
8	MP7	X	-10.7	%72.24
9	MP5	X	-53.2	%6.302
10	MP5	X	-53.2	%93.698
11	MP6	X	-36.1	%37.344
12	MP6	X	-36.1	%62.656
13	MP11	X	-10.7	%27.76
14	MP11	X	-10.7	%72.24
15	MP9	X	-53.2	%6.302
16	MP9	X	-53.2	%93.698
17	MP10	X	-36.1	%37.344
18	MP10	X	-36.1	%62.656
19	MP3	Z	6.2	%27.76
20	MP3	Z	6.2	%72.24
21	MP1	Z	30.7	%6.302
22	MP1	Z	30.7	%93.698
23	MP2	Z	20.8	%37.344
24	MP2	Z	20.8	%62.656
25	MP7	Z	6.2	%27.76
26	MP7	Z	6.2	%72.24
27	MP5	Z	30.7	%6.302
28	MP5	Z	30.7	%93.698
29	MP6	Z	20.8	%37.344
30	MP6	Z	20.8	%62.656
31	MP11	Z	6.2	%27.76
32	MP11	Z	6.2	%72.24
33	MP9	Z	30.7	%6.302
34	MP9	Z	30.7	%93.698
35	MP10	Z	20.8	%37.344
36	MP10	Z	20.8	%62.656

Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-12.4	%27.76
2	MP3	X	-12.4	%72.24
3	MP1	X	-61.4	%6.302
4	MP1	X	-61.4	%93.698
5	MP2	X	-41.6	%37.344
6	MP2	X	-41.6	%62.656
7	MP7	X	-12.4	%27.76



Member Point Loads (BLC 207 : Ant. Horiz. Seismic, Eh (180)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
8	MP7	X	-12.4	%72.24
9	MP5	X	-61.4	%6.302
10	MP5	X	-61.4	%93.698
11	MP6	X	-41.6	%37.344
12	MP6	X	-41.6	%62.656
13	MP11	X	-12.4	%27.76
14	MP11	X	-12.4	%72.24
15	MP9	X	-61.4	%6.302
16	MP9	X	-61.4	%93.698
17	MP10	X	-41.6	%37.344
18	MP10	X	-41.6	%62.656
19	MP3	Z	0	0
20	MP3	Z	0	0
21	MP1	Z	0	0
22	MP1	Z	0	0
23	MP2	Z	0	0
24	MP2	Z	0	0
25	MP7	Z	0	0
26	MP7	Z	0	0
27	MP5	Z	0	0
28	MP5	Z	0	0
29	MP6	Z	0	0
30	MP6	Z	0	0
31	MP11	Z	0	0
32	MP11	Z	0	0
33	MP9	Z	0	0
34	MP9	Z	0	0
35	MP10	Z	0	0
36	MP10	Z	0	0

Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
1	MP3	X	-10.7	%27.76
2	MP3	X	-10.7	%72.24
3	MP1	X	-53.2	%6.302
4	MP1	X	-53.2	%93.698
5	MP2	X	-36.1	%37.344
6	MP2	X	-36.1	%62.656
7	MP7	X	-10.7	%27.76
8	MP7	X	-10.7	%72.24
9	MP5	X	-53.2	%6.302
10	MP5	X	-53.2	%93.698
11	MP6	X	-36.1	%37.344
12	MP6	X	-36.1	%62.656
13	MP11	X	-10.7	%27.76
14	MP11	X	-10.7	%72.24
15	MP9	X	-53.2	%6.302
16	MP9	X	-53.2	%93.698
17	MP10	X	-36.1	%37.344
18	MP10	X	-36.1	%62.656
19	MP3	Z	-6.2	%27.76
20	MP3	Z	-6.2	%72.24
21	MP1	Z	-30.7	%6.302
22	MP1	Z	-30.7	%93.698
23	MP2	Z	-20.8	%37.344
24	MP2	Z	-20.8	%62.656



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Point Loads (BLC 208 : Ant. Horiz. Seismic, Eh (210)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
25	MP7	Z	-6.2	%27.76
26	MP7	Z	-6.2	%72.24
27	MP5	Z	-30.7	%6.302
28	MP5	Z	-30.7	%93.698
29	MP6	Z	-20.8	%37.344
30	MP6	Z	-20.8	%62.656
31	MP11	Z	-6.2	%27.76
32	MP11	Z	-6.2	%72.24
33	MP9	Z	-30.7	%6.302
34	MP9	Z	-30.7	%93.698
35	MP10	Z	-20.8	%37.344
36	MP10	Z	-20.8	%62.656

Member Point Loads (BLC 209 : Ant. Horiz. Seismic, Eh (240))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	-6.2	%27.76
2	MP3	X	-6.2	%72.24
3	MP1	X	-30.7	%6.302
4	MP1	X	-30.7	%93.698
5	MP2	X	-20.8	%37.344
6	MP2	X	-20.8	%62.656
7	MP7	X	-6.2	%27.76
8	MP7	X	-6.2	%72.24
9	MP5	X	-30.7	%6.302
10	MP5	X	-30.7	%93.698
11	MP6	X	-20.8	%37.344
12	MP6	X	-20.8	%62.656
13	MP11	X	-6.2	%27.76
14	MP11	X	-6.2	%72.24
15	MP9	X	-30.7	%6.302
16	MP9	X	-30.7	%93.698
17	MP10	X	-20.8	%37.344
18	MP10	X	-20.8	%62.656
19	MP3	Z	-10.7	%27.76
20	MP3	Z	-10.7	%72.24
21	MP1	Z	-53.2	%6.302
22	MP1	Z	-53.2	%93.698
23	MP2	Z	-36.1	%37.344
24	MP2	Z	-36.1	%62.656
25	MP7	Z	-10.7	%27.76
26	MP7	Z	-10.7	%72.24
27	MP5	Z	-53.2	%6.302
28	MP5	Z	-53.2	%93.698
29	MP6	Z	-36.1	%37.344
30	MP6	Z	-36.1	%62.656
31	MP11	Z	-10.7	%27.76
32	MP11	Z	-10.7	%72.24
33	MP9	Z	-53.2	%6.302
34	MP9	Z	-53.2	%93.698
35	MP10	Z	-36.1	%37.344
36	MP10	Z	-36.1	%62.656

Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	0	0
2	MP3	X	0	0



Member Point Loads (BLC 210 : Ant. Horiz. Seismic, Eh (270)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
3	MP1	X	0	0
4	MP1	X	0	0
5	MP2	X	0	0
6	MP2	X	0	0
7	MP7	X	0	0
8	MP7	X	0	0
9	MP5	X	0	0
10	MP5	X	0	0
11	MP6	X	0	0
12	MP6	X	0	0
13	MP11	X	0	0
14	MP11	X	0	0
15	MP9	X	0	0
16	MP9	X	0	0
17	MP10	X	0	0
18	MP10	X	0	0
19	MP3	Z	-12.4	%27.76
20	MP3	Z	-12.4	%72.24
21	MP1	Z	-61.4	%6.302
22	MP1	Z	-61.4	%93.698
23	MP2	Z	-41.6	%37.344
24	MP2	Z	-41.6	%62.656
25	MP7	Z	-12.4	%27.76
26	MP7	Z	-12.4	%72.24
27	MP5	Z	-61.4	%6.302
28	MP5	Z	-61.4	%93.698
29	MP6	Z	-41.6	%37.344
30	MP6	Z	-41.6	%62.656
31	MP11	Z	-12.4	%27.76
32	MP11	Z	-12.4	%72.24
33	MP9	Z	-61.4	%6.302
34	MP9	Z	-61.4	%93.698
35	MP10	Z	-41.6	%37.344
36	MP10	Z	-41.6	%62.656

Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.-%]
1	MP3	X	6.2	%27.76
2	MP3	X	6.2	%72.24
3	MP1	X	30.7	%6.302
4	MP1	X	30.7	%93.698
5	MP2	X	20.8	%37.344
6	MP2	X	20.8	%62.656
7	MP7	X	6.2	%27.76
8	MP7	X	6.2	%72.24
9	MP5	X	30.7	%6.302
10	MP5	X	30.7	%93.698
11	MP6	X	20.8	%37.344
12	MP6	X	20.8	%62.656
13	MP11	X	6.2	%27.76
14	MP11	X	6.2	%72.24
15	MP9	X	30.7	%6.302
16	MP9	X	30.7	%93.698
17	MP10	X	20.8	%37.344
18	MP10	X	20.8	%62.656
19	MP3	Z	-10.7	%27.76



Member Point Loads (BLC 211 : Ant. Horiz. Seismic, Eh (300)) (Continued)

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
20	MP3	Z	-10.7	%72.24
21	MP1	Z	-53.2	%6.302
22	MP1	Z	-53.2	%93.698
23	MP2	Z	-36.1	%37.344
24	MP2	Z	-36.1	%62.656
25	MP7	Z	-10.7	%27.76
26	MP7	Z	-10.7	%72.24
27	MP5	Z	-53.2	%6.302
28	MP5	Z	-53.2	%93.698
29	MP6	Z	-36.1	%37.344
30	MP6	Z	-36.1	%62.656
31	MP11	Z	-10.7	%27.76
32	MP11	Z	-10.7	%72.24
33	MP9	Z	-53.2	%6.302
34	MP9	Z	-53.2	%93.698
35	MP10	Z	-36.1	%37.344
36	MP10	Z	-36.1	%62.656

Member Point Loads (BLC 212 : Ant. Horiz. Seismic, Eh (330))

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in, %]
1	MP3	X	10.7	%27.76
2	MP3	X	10.7	%72.24
3	MP1	X	53.2	%6.302
4	MP1	X	53.2	%93.698
5	MP2	X	36.1	%37.344
6	MP2	X	36.1	%62.656
7	MP7	X	10.7	%27.76
8	MP7	X	10.7	%72.24
9	MP5	X	53.2	%6.302
10	MP5	X	53.2	%93.698
11	MP6	X	36.1	%37.344
12	MP6	X	36.1	%62.656
13	MP11	X	10.7	%27.76
14	MP11	X	10.7	%72.24
15	MP9	X	53.2	%6.302
16	MP9	X	53.2	%93.698
17	MP10	X	36.1	%37.344
18	MP10	X	36.1	%62.656
19	MP3	Z	-6.2	%27.76
20	MP3	Z	-6.2	%72.24
21	MP1	Z	-30.7	%6.302
22	MP1	Z	-30.7	%93.698
23	MP2	Z	-20.8	%37.344
24	MP2	Z	-20.8	%62.656
25	MP7	Z	-6.2	%27.76
26	MP7	Z	-6.2	%72.24
27	MP5	Z	-30.7	%6.302
28	MP5	Z	-30.7	%93.698
29	MP6	Z	-20.8	%37.344
30	MP6	Z	-20.8	%62.656
31	MP11	Z	-6.2	%27.76
32	MP11	Z	-6.2	%72.24
33	MP9	Z	-30.7	%6.302
34	MP9	Z	-30.7	%93.698
35	MP10	Z	-20.8	%37.344
36	MP10	Z	-20.8	%62.656



Member Distributed Loads (BLC 2 : Wind Load (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	5.3	5.3	0	0
2	BRACE-2	X	5.3	5.3	0	0
3	BRACE-3	X	10.6	10.6	0	0
4	CONN-PL-60-1	X	15.7	15.7	0	0
5	CONN-PL-60-2	X	15.7	15.7	0	0
6	CONN-PL-90-1	X	18.1	18.1	0	0
7	CONN-PL-90-2	X	18.1	18.1	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	9.1	9.1	0	0
11	CONN-PL-210-2	X	9.1	9.1	0	0
12	CONN-PL-300-1	X	15.7	15.7	0	0
13	CONN-PL-300-2	X	15.7	15.7	0	0
14	CONN-PL-330-1	X	9.1	9.1	0	0
15	CONN-PL-330-2	X	9.1	9.1	0	0
16	COR-1	X	4.2	4.2	0	0
17	COR-2	X	4.2	4.2	0	0
18	COR-3	X	8.3	8.3	0	0
19	COR-PL-90-1	X	18.1	18.1	0	0
20	COR-PL-90-2	X	18.1	18.1	0	0
21	COR-PL-90-3	X	18.1	18.1	0	0
22	COR-PL-90-4	X	18.1	18.1	0	0
23	COR-PL-210-1	X	9.1	9.1	0	0
24	COR-PL-210-2	X	9.1	9.1	0	0
25	COR-PL-210-3	X	9.1	9.1	0	0
26	COR-PL-210-4	X	9.1	9.1	0	0
27	COR-PL-330-1	X	9.1	9.1	0	0
28	COR-PL-330-2	X	9.1	9.1	0	0
29	COR-PL-330-3	X	9.1	9.1	0	0
30	COR-PL-330-4	X	9.1	9.1	0	0
31	FM-0	X	10.6	10.6	0	0
32	FM-120	X	5.3	5.3	0	0
33	FM-240	X	5.3	5.3	0	0
34	GRATE-H-90-1	X	10.1	10.1	0	0
35	GRATE-H-90-2	X	10.1	10.1	0	0
36	GRATE-H-210-1	X	5	5	0	0
37	GRATE-H-210-2	X	5	5	0	0
38	GRATE-H-330-1	X	5	5	0	0
39	GRATE-H-330-2	X	5	5	0	0
40	HR-0	X	7.2	7.2	0	0
41	HR-120	X	3.6	3.6	0	0
42	HR-240	X	3.6	3.6	0	0
43	KICK-1	X	20.5	20.5	0	0
44	KICK-2	X	20.5	20.5	0	0
45	KICK-3	X	20.5	20.5	0	0
46	KICK-PL-1	X	20.9	20.9	0	0
47	KICK-PL-2	X	24.1	24.1	0	0
48	KICK-PL-3	X	20.9	20.9	0	0
49	KICK-PL-4	X	24.1	24.1	0	0
50	KICK-PL-5	X	0	0	0	0
51	KICK-PL-6	X	24.1	24.1	0	0
52	SA-1	X	9.3	9.3	0	0
53	SA-2	X	9.3	9.3	0	0
54	SA-3	X	0	0	0	0
55	PL-90-1	X	18.1	18.1	0	0
56	PL-90-2	X	18.1	18.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
57	PL-330-1	X	9.1	9.1	0	0
58	PL-330-2	X	9.1	9.1	0	0
59	PL-210-1	X	9.1	9.1	0	0
60	PL-210-2	X	9.1	9.1	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	0	0	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	0	0	0	0
67	CONN-PL-90-2	Z	0	0	0	0
68	CONN-PL-180-1	Z	0	0	0	0
69	CONN-PL-180-2	Z	0	0	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	0	0	0	0
104	KICK-2	Z	0	0	0	0
105	KICK-3	Z	0	0	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	0	0	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	0	0	0	0
110	KICK-PL-5	Z	0	0	0	0
111	KICK-PL-6	Z	0	0	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 2 : Wind Load (0 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
114	SA-3	Z	0	0	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 3 : Wind Load (30 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	8	8	0	0
3	BRACE-3	X	8	8	0	0
4	CONN-PL-60-1	X	7.8	7.8	0	0
5	CONN-PL-60-2	X	7.8	7.8	0	0
6	CONN-PL-90-1	X	13.6	13.6	0	0
7	CONN-PL-90-2	X	13.6	13.6	0	0
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	15.7	15.7	0	0
13	CONN-PL-300-2	X	15.7	15.7	0	0
14	CONN-PL-330-1	X	13.6	13.6	0	0
15	CONN-PL-330-2	X	13.6	13.6	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	6.2	6.2	0	0
18	COR-3	X	6.2	6.2	0	0
19	COR-PL-90-1	X	13.6	13.6	0	0
20	COR-PL-90-2	X	13.6	13.6	0	0
21	COR-PL-90-3	X	13.6	13.6	0	0
22	COR-PL-90-4	X	13.6	13.6	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	13.6	13.6	0	0
28	COR-PL-330-2	X	13.6	13.6	0	0
29	COR-PL-330-3	X	13.6	13.6	0	0
30	COR-PL-330-4	X	13.6	13.6	0	0
31	FM-0	X	7.9	7.9	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	7.9	7.9	0	0
34	GRATE-H-90-1	X	7.5	7.5	0	0
35	GRATE-H-90-2	X	7.5	7.5	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	7.5	7.5	0	0
39	GRATE-H-330-2	X	7.5	7.5	0	0
40	HR-0	X	5.4	5.4	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	5.4	5.4	0	0
43	KICK-1	X	17.8	17.8	0	0
44	KICK-2	X	17.8	17.8	0	0
45	KICK-3	X	17.8	17.8	0	0
46	KICK-PL-1	X	20.9	20.9	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
47	KICK-PL-2	X	20.9	20.9	0	0
48	KICK-PL-3	X	10.5	10.5	0	0
49	KICK-PL-4	X	20.9	20.9	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	20.9	20.9	0	0
52	SA-1	X	9.3	9.3	0	0
53	SA-2	X	4.6	4.6	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	13.6	13.6	0	0
56	PL-90-2	X	13.6	13.6	0	0
57	PL-330-1	X	13.6	13.6	0	0
58	PL-330-2	X	13.6	13.6	0	0
59	PL-210-1	X	0	0	0	0
60	PL-210-2	X	0	0	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	4.6	4.6	0	0
63	BRACE-3	Z	4.6	4.6	0	0
64	CONN-PL-60-1	Z	4.5	4.5	0	0
65	CONN-PL-60-2	Z	4.5	4.5	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	4.5	4.5	0	0
69	CONN-PL-180-2	Z	4.5	4.5	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	9.1	9.1	0	0
73	CONN-PL-300-2	Z	9.1	9.1	0	0
74	CONN-PL-330-1	Z	7.8	7.8	0	0
75	CONN-PL-330-2	Z	7.8	7.8	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	3.6	3.6	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	7.8	7.8	0	0
88	COR-PL-330-2	Z	7.8	7.8	0	0
89	COR-PL-330-3	Z	7.8	7.8	0	0
90	COR-PL-330-4	Z	7.8	7.8	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	4.6	4.6	0	0
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	4.4	4.4	0	0
99	GRATE-H-330-2	Z	4.4	4.4	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	3.1	3.1	0	0
103	KICK-1	Z	10.3	10.3	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 3 : Wind Load (30 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
104	KICK-2	Z	10.3	10.3	0	0
105	KICK-3	Z	10.3	10.3	0	0
106	KICK-PL-1	Z	12.1	12.1	0	0
107	KICK-PL-2	Z	12.1	12.1	0	0
108	KICK-PL-3	Z	6	6	0	0
109	KICK-PL-4	Z	12.1	12.1	0	0
110	KICK-PL-5	Z	6	6	0	0
111	KICK-PL-6	Z	12.1	12.1	0	0
112	SA-1	Z	5.4	5.4	0	0
113	SA-2	Z	2.7	2.7	0	0
114	SA-3	Z	2.7	2.7	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	7.8	7.8	0	0
118	PL-330-2	Z	7.8	7.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 4 : Wind Load (60 deg))

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
1	BRACE-1	X	2.7	2.7	0	0
2	BRACE-2	X	5.3	5.3	0	0
3	BRACE-3	X	2.7	2.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	4.5	4.5	0	0
7	CONN-PL-90-2	X	4.5	4.5	0	0
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	4.5	4.5	0	0
11	CONN-PL-210-2	X	4.5	4.5	0	0
12	CONN-PL-300-1	X	7.8	7.8	0	0
13	CONN-PL-300-2	X	7.8	7.8	0	0
14	CONN-PL-330-1	X	9.1	9.1	0	0
15	CONN-PL-330-2	X	9.1	9.1	0	0
16	COR-1	X	2.1	2.1	0	0
17	COR-2	X	4.2	4.2	0	0
18	COR-3	X	2.1	2.1	0	0
19	COR-PL-90-1	X	4.5	4.5	0	0
20	COR-PL-90-2	X	4.5	4.5	0	0
21	COR-PL-90-3	X	4.5	4.5	0	0
22	COR-PL-90-4	X	4.5	4.5	0	0
23	COR-PL-210-1	X	4.5	4.5	0	0
24	COR-PL-210-2	X	4.5	4.5	0	0
25	COR-PL-210-3	X	4.5	4.5	0	0
26	COR-PL-210-4	X	4.5	4.5	0	0
27	COR-PL-330-1	X	9.1	9.1	0	0
28	COR-PL-330-2	X	9.1	9.1	0	0
29	COR-PL-330-3	X	9.1	9.1	0	0
30	COR-PL-330-4	X	9.1	9.1	0	0
31	FM-0	X	2.6	2.6	0	0
32	FM-120	X	2.6	2.6	0	0
33	FM-240	X	5.3	5.3	0	0
34	GRATE-H-90-1	X	2.5	2.5	0	0
35	GRATE-H-90-2	X	2.5	2.5	0	0
36	GRATE-H-210-1	X	2.5	2.5	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
37	GRATE-H-210-2	X	2.5	2.5	0	0
38	GRATE-H-330-1	X	5	5	0	0
39	GRATE-H-330-2	X	5	5	0	0
40	HR-0	X	1.8	1.8	0	0
41	HR-120	X	1.8	1.8	0	0
42	HR-240	X	3.6	3.6	0	0
43	KICK-1	X	10.3	10.3	0	0
44	KICK-2	X	10.3	10.3	0	0
45	KICK-3	X	10.3	10.3	0	0
46	KICK-PL-1	X	10.5	10.5	0	0
47	KICK-PL-2	X	12.1	12.1	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	12.1	12.1	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	12.1	12.1	0	0
52	SA-1	X	4.6	4.6	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	4.5	4.5	0	0
56	PL-90-2	X	4.5	4.5	0	0
57	PL-330-1	X	9.1	9.1	0	0
58	PL-330-2	X	9.1	9.1	0	0
59	PL-210-1	X	4.5	4.5	0	0
60	PL-210-2	X	4.5	4.5	0	0
61	BRACE-1	Z	4.6	4.6	0	0
62	BRACE-2	Z	9.2	9.2	0	0
63	BRACE-3	Z	4.6	4.6	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	13.6	13.6	0	0
69	CONN-PL-180-2	Z	13.6	13.6	0	0
70	CONN-PL-210-1	Z	7.8	7.8	0	0
71	CONN-PL-210-2	Z	7.8	7.8	0	0
72	CONN-PL-300-1	Z	13.6	13.6	0	0
73	CONN-PL-300-2	Z	13.6	13.6	0	0
74	CONN-PL-330-1	Z	15.7	15.7	0	0
75	CONN-PL-330-2	Z	15.7	15.7	0	0
76	COR-1	Z	3.6	3.6	0	0
77	COR-2	Z	7.2	7.2	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	7.8	7.8	0	0
84	COR-PL-210-2	Z	7.8	7.8	0	0
85	COR-PL-210-3	Z	7.8	7.8	0	0
86	COR-PL-210-4	Z	7.8	7.8	0	0
87	COR-PL-330-1	Z	15.7	15.7	0	0
88	COR-PL-330-2	Z	15.7	15.7	0	0
89	COR-PL-330-3	Z	15.7	15.7	0	0
90	COR-PL-330-4	Z	15.7	15.7	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	4.6	4.6	0	0
93	FM-240	Z	9.1	9.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 4 : Wind Load (60 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	4.4	4.4	0	0
97	GRATE-H-210-2	Z	4.4	4.4	0	0
98	GRATE-H-330-1	Z	8.7	8.7	0	0
99	GRATE-H-330-2	Z	8.7	8.7	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	3.1	3.1	0	0
102	HR-240	Z	6.2	6.2	0	0
103	KICK-1	Z	17.8	17.8	0	0
104	KICK-2	Z	17.8	17.8	0	0
105	KICK-3	Z	17.8	17.8	0	0
106	KICK-PL-1	Z	18.1	18.1	0	0
107	KICK-PL-2	Z	20.9	20.9	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	20.9	20.9	0	0
110	KICK-PL-5	Z	18.1	18.1	0	0
111	KICK-PL-6	Z	20.9	20.9	0	0
112	SA-1	Z	8	8	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	8	8	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	15.7	15.7	0	0
118	PL-330-2	Z	15.7	15.7	0	0
119	PL-210-1	Z	7.8	7.8	0	0
120	PL-210-2	Z	7.8	7.8	0	0

Member Distributed Loads (BLC 5 : Wind Load (90 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
27	COR-PL-330-1	X	0	0	0
28	COR-PL-330-2	X	0	0	0
29	COR-PL-330-3	X	0	0	0
30	COR-PL-330-4	X	0	0	0
31	FM-0	X	0	0	0
32	FM-120	X	0	0	0
33	FM-240	X	0	0	0
34	GRATE-H-90-1	X	0	0	0
35	GRATE-H-90-2	X	0	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	0	0	0
39	GRATE-H-330-2	X	0	0	0
40	HR-0	X	0	0	0
41	HR-120	X	0	0	0
42	HR-240	X	0	0	0
43	KICK-1	X	0	0	0
44	KICK-2	X	0	0	0
45	KICK-3	X	0	0	0
46	KICK-PL-1	X	0	0	0
47	KICK-PL-2	X	0	0	0
48	KICK-PL-3	X	0	0	0
49	KICK-PL-4	X	0	0	0
50	KICK-PL-5	X	0	0	0
51	KICK-PL-6	X	0	0	0
52	SA-1	X	0	0	0
53	SA-2	X	0	0	0
54	SA-3	X	0	0	0
55	PL-90-1	X	0	0	0
56	PL-90-2	X	0	0	0
57	PL-330-1	X	0	0	0
58	PL-330-2	X	0	0	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	9.2	9.2	0
62	BRACE-2	Z	9.2	9.2	0
63	BRACE-3	Z	0	0	0
64	CONN-PL-60-1	Z	9.1	9.1	0
65	CONN-PL-60-2	Z	9.1	9.1	0
66	CONN-PL-90-1	Z	0	0	0
67	CONN-PL-90-2	Z	0	0	0
68	CONN-PL-180-1	Z	18.1	18.1	0
69	CONN-PL-180-2	Z	18.1	18.1	0
70	CONN-PL-210-1	Z	15.7	15.7	0
71	CONN-PL-210-2	Z	15.7	15.7	0
72	CONN-PL-300-1	Z	9.1	9.1	0
73	CONN-PL-300-2	Z	9.1	9.1	0
74	CONN-PL-330-1	Z	15.7	15.7	0
75	CONN-PL-330-2	Z	15.7	15.7	0
76	COR-1	Z	7.2	7.2	0
77	COR-2	Z	7.2	7.2	0
78	COR-3	Z	0	0	0
79	COR-PL-90-1	Z	0	0	0
80	COR-PL-90-2	Z	0	0	0
81	COR-PL-90-3	Z	0	0	0
82	COR-PL-90-4	Z	0	0	0
83	COR-PL-210-1	Z	15.7	15.7	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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 Checked By: DHK

Member Distributed Loads (BLC 5 : Wind Load (90 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
84	COR-PL-210-2	Z	15.7	15.7	0	0
85	COR-PL-210-3	Z	15.7	15.7	0	0
86	COR-PL-210-4	Z	15.7	15.7	0	0
87	COR-PL-330-1	Z	15.7	15.7	0	0
88	COR-PL-330-2	Z	15.7	15.7	0	0
89	COR-PL-330-3	Z	15.7	15.7	0	0
90	COR-PL-330-4	Z	15.7	15.7	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	9.1	9.1	0	0
93	FM-240	Z	9.1	9.1	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	8.7	8.7	0	0
97	GRATE-H-210-2	Z	8.7	8.7	0	0
98	GRATE-H-330-1	Z	8.7	8.7	0	0
99	GRATE-H-330-2	Z	8.7	8.7	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	6.2	6.2	0	0
102	HR-240	Z	6.2	6.2	0	0
103	KICK-1	Z	20.5	20.5	0	0
104	KICK-2	Z	20.5	20.5	0	0
105	KICK-3	Z	20.5	20.5	0	0
106	KICK-PL-1	Z	12.1	12.1	0	0
107	KICK-PL-2	Z	24.1	24.1	0	0
108	KICK-PL-3	Z	12.1	12.1	0	0
109	KICK-PL-4	Z	24.1	24.1	0	0
110	KICK-PL-5	Z	24.1	24.1	0	0
111	KICK-PL-6	Z	24.1	24.1	0	0
112	SA-1	Z	5.4	5.4	0	0
113	SA-2	Z	5.4	5.4	0	0
114	SA-3	Z	10.7	10.7	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	15.7	15.7	0	0
118	PL-330-2	Z	15.7	15.7	0	0
119	PL-210-1	Z	15.7	15.7	0	0
120	PL-210-2	Z	15.7	15.7	0	0

Member Distributed Loads (BLC 6 : Wind Load (120 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-5.3	-5.3	0	0
2	BRACE-2	X	-2.7	-2.7	0	0
3	BRACE-3	X	-2.7	-2.7	0	0
4	CONN-PL-60-1	X	-7.8	-7.8	0	0
5	CONN-PL-60-2	X	-7.8	-7.8	0	0
6	CONN-PL-90-1	X	-4.5	-4.5	0	0
7	CONN-PL-90-2	X	-4.5	-4.5	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	-9.1	-9.1	0	0
11	CONN-PL-210-2	X	-9.1	-9.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	-4.5	-4.5	0	0
15	CONN-PL-330-2	X	-4.5	-4.5	0	0
16	COR-1	X	-4.2	-4.2	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
17	COR-2	X	-2.1	-2.1	0	0
18	COR-3	X	-2.1	-2.1	0	0
19	COR-PL-90-1	X	-4.5	-4.5	0	0
20	COR-PL-90-2	X	-4.5	-4.5	0	0
21	COR-PL-90-3	X	-4.5	-4.5	0	0
22	COR-PL-90-4	X	-4.5	-4.5	0	0
23	COR-PL-210-1	X	-9.1	-9.1	0	0
24	COR-PL-210-2	X	-9.1	-9.1	0	0
25	COR-PL-210-3	X	-9.1	-9.1	0	0
26	COR-PL-210-4	X	-9.1	-9.1	0	0
27	COR-PL-330-1	X	-4.5	-4.5	0	0
28	COR-PL-330-2	X	-4.5	-4.5	0	0
29	COR-PL-330-3	X	-4.5	-4.5	0	0
30	COR-PL-330-4	X	-4.5	-4.5	0	0
31	FM-0	X	-2.6	-2.6	0	0
32	FM-120	X	-5.3	-5.3	0	0
33	FM-240	X	-2.6	-2.6	0	0
34	GRATE-H-90-1	X	-2.5	-2.5	0	0
35	GRATE-H-90-2	X	-2.5	-2.5	0	0
36	GRATE-H-210-1	X	-5	-5	0	0
37	GRATE-H-210-2	X	-5	-5	0	0
38	GRATE-H-330-1	X	-2.5	-2.5	0	0
39	GRATE-H-330-2	X	-2.5	-2.5	0	0
40	HR-0	X	-1.8	-1.8	0	0
41	HR-120	X	-3.6	-3.6	0	0
42	HR-240	X	-1.8	-1.8	0	0
43	KICK-1	X	-10.3	-10.3	0	0
44	KICK-2	X	-10.3	-10.3	0	0
45	KICK-3	X	-10.3	-10.3	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	-12.1	-12.1	0	0
48	KICK-PL-3	X	-10.5	-10.5	0	0
49	KICK-PL-4	X	-12.1	-12.1	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-12.1	-12.1	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	-4.6	-4.6	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-4.5	-4.5	0	0
56	PL-90-2	X	-4.5	-4.5	0	0
57	PL-330-1	X	-4.5	-4.5	0	0
58	PL-330-2	X	-4.5	-4.5	0	0
59	PL-210-1	X	-9.1	-9.1	0	0
60	PL-210-2	X	-9.1	-9.1	0	0
61	BRACE-1	Z	9.2	9.2	0	0
62	BRACE-2	Z	4.6	4.6	0	0
63	BRACE-3	Z	4.6	4.6	0	0
64	CONN-PL-60-1	Z	13.6	13.6	0	0
65	CONN-PL-60-2	Z	13.6	13.6	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	13.6	13.6	0	0
69	CONN-PL-180-2	Z	13.6	13.6	0	0
70	CONN-PL-210-1	Z	15.7	15.7	0	0
71	CONN-PL-210-2	Z	15.7	15.7	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 6 : Wind Load (120 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
74	CONN-PL-330-1	Z	7.8	7.8	0	0
75	CONN-PL-330-2	Z	7.8	7.8	0	0
76	COR-1	Z	7.2	7.2	0	0
77	COR-2	Z	3.6	3.6	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	15.7	15.7	0	0
84	COR-PL-210-2	Z	15.7	15.7	0	0
85	COR-PL-210-3	Z	15.7	15.7	0	0
86	COR-PL-210-4	Z	15.7	15.7	0	0
87	COR-PL-330-1	Z	7.8	7.8	0	0
88	COR-PL-330-2	Z	7.8	7.8	0	0
89	COR-PL-330-3	Z	7.8	7.8	0	0
90	COR-PL-330-4	Z	7.8	7.8	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	9.1	9.1	0	0
93	FM-240	Z	4.6	4.6	0	0
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	8.7	8.7	0	0
97	GRATE-H-210-2	Z	8.7	8.7	0	0
98	GRATE-H-330-1	Z	4.4	4.4	0	0
99	GRATE-H-330-2	Z	4.4	4.4	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	6.2	6.2	0	0
102	HR-240	Z	3.1	3.1	0	0
103	KICK-1	Z	17.8	17.8	0	0
104	KICK-2	Z	17.8	17.8	0	0
105	KICK-3	Z	17.8	17.8	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	20.9	20.9	0	0
108	KICK-PL-3	Z	18.1	18.1	0	0
109	KICK-PL-4	Z	20.9	20.9	0	0
110	KICK-PL-5	Z	18.1	18.1	0	0
111	KICK-PL-6	Z	20.9	20.9	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	8	8	0	0
114	SA-3	Z	8	8	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	7.8	7.8	0	0
118	PL-330-2	Z	7.8	7.8	0	0
119	PL-210-1	Z	15.7	15.7	0	0
120	PL-210-2	Z	15.7	15.7	0	0

Member Distributed Loads (BLC 7 : Wind Load (150 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-8	-8	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	-8	-8	0	0
4	CONN-PL-60-1	X	-15.7	-15.7	0	0
5	CONN-PL-60-2	X	-15.7	-15.7	0	0
6	CONN-PL-90-1	X	-13.6	-13.6	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
7	CONN-PL-90-2	X	-13.6	-13.6	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	-13.6	-13.6	0	0
11	CONN-PL-210-2	X	-13.6	-13.6	0	0
12	CONN-PL-300-1	X	-7.8	-7.8	0	0
13	CONN-PL-300-2	X	-7.8	-7.8	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	-6.2	-6.2	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	-6.2	-6.2	0	0
19	COR-PL-90-1	X	-13.6	-13.6	0	0
20	COR-PL-90-2	X	-13.6	-13.6	0	0
21	COR-PL-90-3	X	-13.6	-13.6	0	0
22	COR-PL-90-4	X	-13.6	-13.6	0	0
23	COR-PL-210-1	X	-13.6	-13.6	0	0
24	COR-PL-210-2	X	-13.6	-13.6	0	0
25	COR-PL-210-3	X	-13.6	-13.6	0	0
26	COR-PL-210-4	X	-13.6	-13.6	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	-7.9	-7.9	0	0
32	FM-120	X	-7.9	-7.9	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	-7.5	-7.5	0	0
35	GRATE-H-90-2	X	-7.5	-7.5	0	0
36	GRATE-H-210-1	X	-7.5	-7.5	0	0
37	GRATE-H-210-2	X	-7.5	-7.5	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	-5.4	-5.4	0	0
41	HR-120	X	-5.4	-5.4	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	-17.8	-17.8	0	0
44	KICK-2	X	-17.8	-17.8	0	0
45	KICK-3	X	-17.8	-17.8	0	0
46	KICK-PL-1	X	-10.5	-10.5	0	0
47	KICK-PL-2	X	-20.9	-20.9	0	0
48	KICK-PL-3	X	-20.9	-20.9	0	0
49	KICK-PL-4	X	-20.9	-20.9	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-20.9	-20.9	0	0
52	SA-1	X	-4.6	-4.6	0	0
53	SA-2	X	-9.3	-9.3	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-13.6	-13.6	0	0
56	PL-90-2	X	-13.6	-13.6	0	0
57	PL-330-1	X	0	0	0	0
58	PL-330-2	X	0	0	0	0
59	PL-210-1	X	-13.6	-13.6	0	0
60	PL-210-2	X	-13.6	-13.6	0	0
61	BRACE-1	Z	4.6	4.6	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	4.6	4.6	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 7 : Wind Load (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
64	CONN-PL-60-1	Z	9.1	9.1	0	0
65	CONN-PL-60-2	Z	9.1	9.1	0	0
66	CONN-PL-90-1	Z	7.8	7.8	0	0
67	CONN-PL-90-2	Z	7.8	7.8	0	0
68	CONN-PL-180-1	Z	4.5	4.5	0	0
69	CONN-PL-180-2	Z	4.5	4.5	0	0
70	CONN-PL-210-1	Z	7.8	7.8	0	0
71	CONN-PL-210-2	Z	7.8	7.8	0	0
72	CONN-PL-300-1	Z	4.5	4.5	0	0
73	CONN-PL-300-2	Z	4.5	4.5	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	3.6	3.6	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	3.6	3.6	0	0
79	COR-PL-90-1	Z	7.8	7.8	0	0
80	COR-PL-90-2	Z	7.8	7.8	0	0
81	COR-PL-90-3	Z	7.8	7.8	0	0
82	COR-PL-90-4	Z	7.8	7.8	0	0
83	COR-PL-210-1	Z	7.8	7.8	0	0
84	COR-PL-210-2	Z	7.8	7.8	0	0
85	COR-PL-210-3	Z	7.8	7.8	0	0
86	COR-PL-210-4	Z	7.8	7.8	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	4.6	4.6	0	0
92	FM-120	Z	4.6	4.6	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	4.4	4.4	0	0
95	GRATE-H-90-2	Z	4.4	4.4	0	0
96	GRATE-H-210-1	Z	4.4	4.4	0	0
97	GRATE-H-210-2	Z	4.4	4.4	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	3.1	3.1	0	0
101	HR-120	Z	3.1	3.1	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	10.3	10.3	0	0
104	KICK-2	Z	10.3	10.3	0	0
105	KICK-3	Z	10.3	10.3	0	0
106	KICK-PL-1	Z	6	6	0	0
107	KICK-PL-2	Z	12.1	12.1	0	0
108	KICK-PL-3	Z	12.1	12.1	0	0
109	KICK-PL-4	Z	12.1	12.1	0	0
110	KICK-PL-5	Z	6	6	0	0
111	KICK-PL-6	Z	12.1	12.1	0	0
112	SA-1	Z	2.7	2.7	0	0
113	SA-2	Z	5.4	5.4	0	0
114	SA-3	Z	2.7	2.7	0	0
115	PL-90-1	Z	7.8	7.8	0	0
116	PL-90-2	Z	7.8	7.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	7.8	7.8	0	0
120	PL-210-2	Z	7.8	7.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 8 : Wind Load (180 deg))

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	X	-5.3	-5.3	0	0
2 BRACE-2	X	-5.3	-5.3	0	0
3 BRACE-3	X	-10.6	-10.6	0	0
4 CONN-PL-60-1	X	-15.7	-15.7	0	0
5 CONN-PL-60-2	X	-15.7	-15.7	0	0
6 CONN-PL-90-1	X	-18.1	-18.1	0	0
7 CONN-PL-90-2	X	-18.1	-18.1	0	0
8 CONN-PL-180-1	X	0	0	0	0
9 CONN-PL-180-2	X	0	0	0	0
10 CONN-PL-210-1	X	-9.1	-9.1	0	0
11 CONN-PL-210-2	X	-9.1	-9.1	0	0
12 CONN-PL-300-1	X	-15.7	-15.7	0	0
13 CONN-PL-300-2	X	-15.7	-15.7	0	0
14 CONN-PL-330-1	X	-9.1	-9.1	0	0
15 CONN-PL-330-2	X	-9.1	-9.1	0	0
16 COR-1	X	-4.2	-4.2	0	0
17 COR-2	X	-4.2	-4.2	0	0
18 COR-3	X	-8.3	-8.3	0	0
19 COR-PL-90-1	X	-18.1	-18.1	0	0
20 COR-PL-90-2	X	-18.1	-18.1	0	0
21 COR-PL-90-3	X	-18.1	-18.1	0	0
22 COR-PL-90-4	X	-18.1	-18.1	0	0
23 COR-PL-210-1	X	-9.1	-9.1	0	0
24 COR-PL-210-2	X	-9.1	-9.1	0	0
25 COR-PL-210-3	X	-9.1	-9.1	0	0
26 COR-PL-210-4	X	-9.1	-9.1	0	0
27 COR-PL-330-1	X	-9.1	-9.1	0	0
28 COR-PL-330-2	X	-9.1	-9.1	0	0
29 COR-PL-330-3	X	-9.1	-9.1	0	0
30 COR-PL-330-4	X	-9.1	-9.1	0	0
31 FM-0	X	-10.6	-10.6	0	0
32 FM-120	X	-5.3	-5.3	0	0
33 FM-240	X	-5.3	-5.3	0	0
34 GRATE-H-90-1	X	-10.1	-10.1	0	0
35 GRATE-H-90-2	X	-10.1	-10.1	0	0
36 GRATE-H-210-1	X	-5	-5	0	0
37 GRATE-H-210-2	X	-5	-5	0	0
38 GRATE-H-330-1	X	-5	-5	0	0
39 GRATE-H-330-2	X	-5	-5	0	0
40 HR-0	X	-7.2	-7.2	0	0
41 HR-120	X	-3.6	-3.6	0	0
42 HR-240	X	-3.6	-3.6	0	0
43 KICK-1	X	-20.5	-20.5	0	0
44 KICK-2	X	-20.5	-20.5	0	0
45 KICK-3	X	-20.5	-20.5	0	0
46 KICK-PL-1	X	-20.9	-20.9	0	0
47 KICK-PL-2	X	-24.1	-24.1	0	0
48 KICK-PL-3	X	-20.9	-20.9	0	0
49 KICK-PL-4	X	-24.1	-24.1	0	0
50 KICK-PL-5	X	0	0	0	0
51 KICK-PL-6	X	-24.1	-24.1	0	0
52 SA-1	X	-9.3	-9.3	0	0
53 SA-2	X	-9.3	-9.3	0	0
54 SA-3	X	0	0	0	0
55 PL-90-1	X	-18.1	-18.1	0	0
56 PL-90-2	X	-18.1	-18.1	0	0
57 PL-330-1	X	-9.1	-9.1	0	0



Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
58	PL-330-2	X	-9.1	-9.1	0	0
59	PL-210-1	X	-9.1	-9.1	0	0
60	PL-210-2	X	-9.1	-9.1	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	0	0	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	0	0	0	0
67	CONN-PL-90-2	Z	0	0	0	0
68	CONN-PL-180-1	Z	0	0	0	0
69	CONN-PL-180-2	Z	0	0	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	0	0	0	0
104	KICK-2	Z	0	0	0	0
105	KICK-3	Z	0	0	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	0	0	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	0	0	0	0
110	KICK-PL-5	Z	0	0	0	0
111	KICK-PL-6	Z	0	0	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	0	0	0	0



Member Distributed Loads (BLC 8 : Wind Load (180 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	-8	-8	0	0
3	BRACE-3	X	-8	-8	0	0
4	CONN-PL-60-1	X	-7.8	-7.8	0	0
5	CONN-PL-60-2	X	-7.8	-7.8	0	0
6	CONN-PL-90-1	X	-13.6	-13.6	0	0
7	CONN-PL-90-2	X	-13.6	-13.6	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	-15.7	-15.7	0	0
13	CONN-PL-300-2	X	-15.7	-15.7	0	0
14	CONN-PL-330-1	X	-13.6	-13.6	0	0
15	CONN-PL-330-2	X	-13.6	-13.6	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	-6.2	-6.2	0	0
18	COR-3	X	-6.2	-6.2	0	0
19	COR-PL-90-1	X	-13.6	-13.6	0	0
20	COR-PL-90-2	X	-13.6	-13.6	0	0
21	COR-PL-90-3	X	-13.6	-13.6	0	0
22	COR-PL-90-4	X	-13.6	-13.6	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	-13.6	-13.6	0	0
28	COR-PL-330-2	X	-13.6	-13.6	0	0
29	COR-PL-330-3	X	-13.6	-13.6	0	0
30	COR-PL-330-4	X	-13.6	-13.6	0	0
31	FM-0	X	-7.9	-7.9	0	0
32	FM-120	X	0	0	0	0
33	FM-240	X	-7.9	-7.9	0	0
34	GRATE-H-90-1	X	-7.5	-7.5	0	0
35	GRATE-H-90-2	X	-7.5	-7.5	0	0
36	GRATE-H-210-1	X	0	0	0	0
37	GRATE-H-210-2	X	0	0	0	0
38	GRATE-H-330-1	X	-7.5	-7.5	0	0
39	GRATE-H-330-2	X	-7.5	-7.5	0	0
40	HR-0	X	-5.4	-5.4	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	-5.4	-5.4	0	0
43	KICK-1	X	-17.8	-17.8	0	0
44	KICK-2	X	-17.8	-17.8	0	0
45	KICK-3	X	-17.8	-17.8	0	0
46	KICK-PL-1	X	-20.9	-20.9	0	0
47	KICK-PL-2	X	-20.9	-20.9	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
48	KICK-PL-3	X	-10.5	-10.5	0	0
49	KICK-PL-4	X	-20.9	-20.9	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-20.9	-20.9	0	0
52	SA-1	X	-9.3	-9.3	0	0
53	SA-2	X	-4.6	-4.6	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-13.6	-13.6	0	0
56	PL-90-2	X	-13.6	-13.6	0	0
57	PL-330-1	X	-13.6	-13.6	0	0
58	PL-330-2	X	-13.6	-13.6	0	0
59	PL-210-1	X	0	0	0	0
60	PL-210-2	X	0	0	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	-4.6	-4.6	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	-4.5	-4.5	0	0
65	CONN-PL-60-2	Z	-4.5	-4.5	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-4.5	-4.5	0	0
69	CONN-PL-180-2	Z	-4.5	-4.5	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	-9.1	-9.1	0	0
73	CONN-PL-300-2	Z	-9.1	-9.1	0	0
74	CONN-PL-330-1	Z	-7.8	-7.8	0	0
75	CONN-PL-330-2	Z	-7.8	-7.8	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	-3.6	-3.6	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	-7.8	-7.8	0	0
88	COR-PL-330-2	Z	-7.8	-7.8	0	0
89	COR-PL-330-3	Z	-7.8	-7.8	0	0
90	COR-PL-330-4	Z	-7.8	-7.8	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	-4.6	-4.6	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	-4.4	-4.4	0	0
99	GRATE-H-330-2	Z	-4.4	-4.4	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	-3.1	-3.1	0	0
103	KICK-1	Z	-10.3	-10.3	0	0
104	KICK-2	Z	-10.3	-10.3	0	0

Member Distributed Loads (BLC 9 : Wind Load (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
105	KICK-3	Z	-10.3	-10.3	0	0
106	KICK-PL-1	Z	-12.1	-12.1	0	0
107	KICK-PL-2	Z	-12.1	-12.1	0	0
108	KICK-PL-3	Z	-6	-6	0	0
109	KICK-PL-4	Z	-12.1	-12.1	0	0
110	KICK-PL-5	Z	-6	-6	0	0
111	KICK-PL-6	Z	-12.1	-12.1	0	0
112	SA-1	Z	-5.4	-5.4	0	0
113	SA-2	Z	-2.7	-2.7	0	0
114	SA-3	Z	-2.7	-2.7	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	-7.8	-7.8	0	0
118	PL-330-2	Z	-7.8	-7.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 10 : Wind Load (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-2.7	-2.7	0	0
2	BRACE-2	X	-5.3	-5.3	0	0
3	BRACE-3	X	-2.7	-2.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	-4.5	-4.5	0	0
7	CONN-PL-90-2	X	-4.5	-4.5	0	0
8	CONN-PL-180-1	X	-7.8	-7.8	0	0
9	CONN-PL-180-2	X	-7.8	-7.8	0	0
10	CONN-PL-210-1	X	-4.5	-4.5	0	0
11	CONN-PL-210-2	X	-4.5	-4.5	0	0
12	CONN-PL-300-1	X	-7.8	-7.8	0	0
13	CONN-PL-300-2	X	-7.8	-7.8	0	0
14	CONN-PL-330-1	X	-9.1	-9.1	0	0
15	CONN-PL-330-2	X	-9.1	-9.1	0	0
16	COR-1	X	-2.1	-2.1	0	0
17	COR-2	X	-4.2	-4.2	0	0
18	COR-3	X	-2.1	-2.1	0	0
19	COR-PL-90-1	X	-4.5	-4.5	0	0
20	COR-PL-90-2	X	-4.5	-4.5	0	0
21	COR-PL-90-3	X	-4.5	-4.5	0	0
22	COR-PL-90-4	X	-4.5	-4.5	0	0
23	COR-PL-210-1	X	-4.5	-4.5	0	0
24	COR-PL-210-2	X	-4.5	-4.5	0	0
25	COR-PL-210-3	X	-4.5	-4.5	0	0
26	COR-PL-210-4	X	-4.5	-4.5	0	0
27	COR-PL-330-1	X	-9.1	-9.1	0	0
28	COR-PL-330-2	X	-9.1	-9.1	0	0
29	COR-PL-330-3	X	-9.1	-9.1	0	0
30	COR-PL-330-4	X	-9.1	-9.1	0	0
31	FM-0	X	-2.6	-2.6	0	0
32	FM-120	X	-2.6	-2.6	0	0
33	FM-240	X	-5.3	-5.3	0	0
34	GRATE-H-90-1	X	-2.5	-2.5	0	0
35	GRATE-H-90-2	X	-2.5	-2.5	0	0
36	GRATE-H-210-1	X	-2.5	-2.5	0	0
37	GRATE-H-210-2	X	-2.5	-2.5	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
38	GRATE-H-330-1	X	-5	-5	0	0
39	GRATE-H-330-2	X	-5	-5	0	0
40	HR-0	X	-1.8	-1.8	0	0
41	HR-120	X	-1.8	-1.8	0	0
42	HR-240	X	-3.6	-3.6	0	0
43	KICK-1	X	-10.3	-10.3	0	0
44	KICK-2	X	-10.3	-10.3	0	0
45	KICK-3	X	-10.3	-10.3	0	0
46	KICK-PL-1	X	-10.5	-10.5	0	0
47	KICK-PL-2	X	-12.1	-12.1	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	-12.1	-12.1	0	0
50	KICK-PL-5	X	-10.5	-10.5	0	0
51	KICK-PL-6	X	-12.1	-12.1	0	0
52	SA-1	X	-4.6	-4.6	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	-4.6	-4.6	0	0
55	PL-90-1	X	-4.5	-4.5	0	0
56	PL-90-2	X	-4.5	-4.5	0	0
57	PL-330-1	X	-9.1	-9.1	0	0
58	PL-330-2	X	-9.1	-9.1	0	0
59	PL-210-1	X	-4.5	-4.5	0	0
60	PL-210-2	X	-4.5	-4.5	0	0
61	BRACE-1	Z	-4.6	-4.6	0	0
62	BRACE-2	Z	-9.2	-9.2	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-13.6	-13.6	0	0
69	CONN-PL-180-2	Z	-13.6	-13.6	0	0
70	CONN-PL-210-1	Z	-7.8	-7.8	0	0
71	CONN-PL-210-2	Z	-7.8	-7.8	0	0
72	CONN-PL-300-1	Z	-13.6	-13.6	0	0
73	CONN-PL-300-2	Z	-13.6	-13.6	0	0
74	CONN-PL-330-1	Z	-15.7	-15.7	0	0
75	CONN-PL-330-2	Z	-15.7	-15.7	0	0
76	COR-1	Z	-3.6	-3.6	0	0
77	COR-2	Z	-7.2	-7.2	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	-7.8	-7.8	0	0
84	COR-PL-210-2	Z	-7.8	-7.8	0	0
85	COR-PL-210-3	Z	-7.8	-7.8	0	0
86	COR-PL-210-4	Z	-7.8	-7.8	0	0
87	COR-PL-330-1	Z	-15.7	-15.7	0	0
88	COR-PL-330-2	Z	-15.7	-15.7	0	0
89	COR-PL-330-3	Z	-15.7	-15.7	0	0
90	COR-PL-330-4	Z	-15.7	-15.7	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	-4.6	-4.6	0	0
93	FM-240	Z	-9.1	-9.1	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0



Member Distributed Loads (BLC 10 : Wind Load (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	-4.4	-4.4	0	0
97	GRATE-H-210-2	Z	-4.4	-4.4	0	0
98	GRATE-H-330-1	Z	-8.7	-8.7	0	0
99	GRATE-H-330-2	Z	-8.7	-8.7	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	-3.1	-3.1	0	0
102	HR-240	Z	-6.2	-6.2	0	0
103	KICK-1	Z	-17.8	-17.8	0	0
104	KICK-2	Z	-17.8	-17.8	0	0
105	KICK-3	Z	-17.8	-17.8	0	0
106	KICK-PL-1	Z	-18.1	-18.1	0	0
107	KICK-PL-2	Z	-20.9	-20.9	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	-20.9	-20.9	0	0
110	KICK-PL-5	Z	-18.1	-18.1	0	0
111	KICK-PL-6	Z	-20.9	-20.9	0	0
112	SA-1	Z	-8	-8	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	-8	-8	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	-15.7	-15.7	0	0
118	PL-330-2	Z	-15.7	-15.7	0	0
119	PL-210-1	Z	-7.8	-7.8	0	0
120	PL-210-2	Z	-7.8	-7.8	0	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	0	0	0	0
19	COR-PL-90-1	X	0	0	0	0
20	COR-PL-90-2	X	0	0	0	0
21	COR-PL-90-3	X	0	0	0	0
22	COR-PL-90-4	X	0	0	0	0
23	COR-PL-210-1	X	0	0	0	0
24	COR-PL-210-2	X	0	0	0	0
25	COR-PL-210-3	X	0	0	0	0
26	COR-PL-210-4	X	0	0	0	0
27	COR-PL-330-1	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 11 : Wind Load (270 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
28	COR-PL-330-2	X	0	0	0
29	COR-PL-330-3	X	0	0	0
30	COR-PL-330-4	X	0	0	0
31	FM-0	X	0	0	0
32	FM-120	X	0	0	0
33	FM-240	X	0	0	0
34	GRATE-H-90-1	X	0	0	0
35	GRATE-H-90-2	X	0	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	0	0	0
39	GRATE-H-330-2	X	0	0	0
40	HR-0	X	0	0	0
41	HR-120	X	0	0	0
42	HR-240	X	0	0	0
43	KICK-1	X	0	0	0
44	KICK-2	X	0	0	0
45	KICK-3	X	0	0	0
46	KICK-PL-1	X	0	0	0
47	KICK-PL-2	X	0	0	0
48	KICK-PL-3	X	0	0	0
49	KICK-PL-4	X	0	0	0
50	KICK-PL-5	X	0	0	0
51	KICK-PL-6	X	0	0	0
52	SA-1	X	0	0	0
53	SA-2	X	0	0	0
54	SA-3	X	0	0	0
55	PL-90-1	X	0	0	0
56	PL-90-2	X	0	0	0
57	PL-330-1	X	0	0	0
58	PL-330-2	X	0	0	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	-9.2	-9.2	0
62	BRACE-2	Z	-9.2	-9.2	0
63	BRACE-3	Z	0	0	0
64	CONN-PL-60-1	Z	-9.1	-9.1	0
65	CONN-PL-60-2	Z	-9.1	-9.1	0
66	CONN-PL-90-1	Z	0	0	0
67	CONN-PL-90-2	Z	0	0	0
68	CONN-PL-180-1	Z	-18.1	-18.1	0
69	CONN-PL-180-2	Z	-18.1	-18.1	0
70	CONN-PL-210-1	Z	-15.7	-15.7	0
71	CONN-PL-210-2	Z	-15.7	-15.7	0
72	CONN-PL-300-1	Z	-9.1	-9.1	0
73	CONN-PL-300-2	Z	-9.1	-9.1	0
74	CONN-PL-330-1	Z	-15.7	-15.7	0
75	CONN-PL-330-2	Z	-15.7	-15.7	0
76	COR-1	Z	-7.2	-7.2	0
77	COR-2	Z	-7.2	-7.2	0
78	COR-3	Z	0	0	0
79	COR-PL-90-1	Z	0	0	0
80	COR-PL-90-2	Z	0	0	0
81	COR-PL-90-3	Z	0	0	0
82	COR-PL-90-4	Z	0	0	0
83	COR-PL-210-1	Z	-15.7	-15.7	0
84	COR-PL-210-2	Z	-15.7	-15.7	0

Member Distributed Loads (BLC 11 : Wind Load (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
85	COR-PL-210-3	Z	-15.7	-15.7	0	0
86	COR-PL-210-4	Z	-15.7	-15.7	0	0
87	COR-PL-330-1	Z	-15.7	-15.7	0	0
88	COR-PL-330-2	Z	-15.7	-15.7	0	0
89	COR-PL-330-3	Z	-15.7	-15.7	0	0
90	COR-PL-330-4	Z	-15.7	-15.7	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	-9.1	-9.1	0	0
93	FM-240	Z	-9.1	-9.1	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	-8.7	-8.7	0	0
97	GRATE-H-210-2	Z	-8.7	-8.7	0	0
98	GRATE-H-330-1	Z	-8.7	-8.7	0	0
99	GRATE-H-330-2	Z	-8.7	-8.7	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	-6.2	-6.2	0	0
102	HR-240	Z	-6.2	-6.2	0	0
103	KICK-1	Z	-20.5	-20.5	0	0
104	KICK-2	Z	-20.5	-20.5	0	0
105	KICK-3	Z	-20.5	-20.5	0	0
106	KICK-PL-1	Z	-12.1	-12.1	0	0
107	KICK-PL-2	Z	-24.1	-24.1	0	0
108	KICK-PL-3	Z	-12.1	-12.1	0	0
109	KICK-PL-4	Z	-24.1	-24.1	0	0
110	KICK-PL-5	Z	-24.1	-24.1	0	0
111	KICK-PL-6	Z	-24.1	-24.1	0	0
112	SA-1	Z	-5.4	-5.4	0	0
113	SA-2	Z	-5.4	-5.4	0	0
114	SA-3	Z	-10.7	-10.7	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	-15.7	-15.7	0	0
118	PL-330-2	Z	-15.7	-15.7	0	0
119	PL-210-1	Z	-15.7	-15.7	0	0
120	PL-210-2	Z	-15.7	-15.7	0	0

Member Distributed Loads (BLC 12 : Wind Load (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	5.3	5.3	0	0
2	BRACE-2	X	2.7	2.7	0	0
3	BRACE-3	X	2.7	2.7	0	0
4	CONN-PL-60-1	X	7.8	7.8	0	0
5	CONN-PL-60-2	X	7.8	7.8	0	0
6	CONN-PL-90-1	X	4.5	4.5	0	0
7	CONN-PL-90-2	X	4.5	4.5	0	0
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	9.1	9.1	0	0
11	CONN-PL-210-2	X	9.1	9.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	4.5	4.5	0	0
15	CONN-PL-330-2	X	4.5	4.5	0	0
16	COR-1	X	4.2	4.2	0	0
17	COR-2	X	2.1	2.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 12 : Wind Load (300 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
18	COR-3	X	2.1	2.1	0	0
19	COR-PL-90-1	X	4.5	4.5	0	0
20	COR-PL-90-2	X	4.5	4.5	0	0
21	COR-PL-90-3	X	4.5	4.5	0	0
22	COR-PL-90-4	X	4.5	4.5	0	0
23	COR-PL-210-1	X	9.1	9.1	0	0
24	COR-PL-210-2	X	9.1	9.1	0	0
25	COR-PL-210-3	X	9.1	9.1	0	0
26	COR-PL-210-4	X	9.1	9.1	0	0
27	COR-PL-330-1	X	4.5	4.5	0	0
28	COR-PL-330-2	X	4.5	4.5	0	0
29	COR-PL-330-3	X	4.5	4.5	0	0
30	COR-PL-330-4	X	4.5	4.5	0	0
31	FM-0	X	2.6	2.6	0	0
32	FM-120	X	5.3	5.3	0	0
33	FM-240	X	2.6	2.6	0	0
34	GRATE-H-90-1	X	2.5	2.5	0	0
35	GRATE-H-90-2	X	2.5	2.5	0	0
36	GRATE-H-210-1	X	5	5	0	0
37	GRATE-H-210-2	X	5	5	0	0
38	GRATE-H-330-1	X	2.5	2.5	0	0
39	GRATE-H-330-2	X	2.5	2.5	0	0
40	HR-0	X	1.8	1.8	0	0
41	HR-120	X	3.6	3.6	0	0
42	HR-240	X	1.8	1.8	0	0
43	KICK-1	X	10.3	10.3	0	0
44	KICK-2	X	10.3	10.3	0	0
45	KICK-3	X	10.3	10.3	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	12.1	12.1	0	0
48	KICK-PL-3	X	10.5	10.5	0	0
49	KICK-PL-4	X	12.1	12.1	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	12.1	12.1	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	4.6	4.6	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	4.5	4.5	0	0
56	PL-90-2	X	4.5	4.5	0	0
57	PL-330-1	X	4.5	4.5	0	0
58	PL-330-2	X	4.5	4.5	0	0
59	PL-210-1	X	9.1	9.1	0	0
60	PL-210-2	X	9.1	9.1	0	0
61	BRACE-1	Z	-9.2	-9.2	0	0
62	BRACE-2	Z	-4.6	-4.6	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	-13.6	-13.6	0	0
65	CONN-PL-60-2	Z	-13.6	-13.6	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-13.6	-13.6	0	0
69	CONN-PL-180-2	Z	-13.6	-13.6	0	0
70	CONN-PL-210-1	Z	-15.7	-15.7	0	0
71	CONN-PL-210-2	Z	-15.7	-15.7	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	-7.8	-7.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 12 : Wind Load (300 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
75	CONN-PL-330-2	Z	-7.8	-7.8	0	0
76	COR-1	Z	-7.2	-7.2	0	0
77	COR-2	Z	-3.6	-3.6	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	-15.7	-15.7	0	0
84	COR-PL-210-2	Z	-15.7	-15.7	0	0
85	COR-PL-210-3	Z	-15.7	-15.7	0	0
86	COR-PL-210-4	Z	-15.7	-15.7	0	0
87	COR-PL-330-1	Z	-7.8	-7.8	0	0
88	COR-PL-330-2	Z	-7.8	-7.8	0	0
89	COR-PL-330-3	Z	-7.8	-7.8	0	0
90	COR-PL-330-4	Z	-7.8	-7.8	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	-9.1	-9.1	0	0
93	FM-240	Z	-4.6	-4.6	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	-8.7	-8.7	0	0
97	GRATE-H-210-2	Z	-8.7	-8.7	0	0
98	GRATE-H-330-1	Z	-4.4	-4.4	0	0
99	GRATE-H-330-2	Z	-4.4	-4.4	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	-6.2	-6.2	0	0
102	HR-240	Z	-3.1	-3.1	0	0
103	KICK-1	Z	-17.8	-17.8	0	0
104	KICK-2	Z	-17.8	-17.8	0	0
105	KICK-3	Z	-17.8	-17.8	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	-20.9	-20.9	0	0
108	KICK-PL-3	Z	-18.1	-18.1	0	0
109	KICK-PL-4	Z	-20.9	-20.9	0	0
110	KICK-PL-5	Z	-18.1	-18.1	0	0
111	KICK-PL-6	Z	-20.9	-20.9	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	-8	-8	0	0
114	SA-3	Z	-8	-8	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	-7.8	-7.8	0	0
118	PL-330-2	Z	-7.8	-7.8	0	0
119	PL-210-1	Z	-15.7	-15.7	0	0
120	PL-210-2	Z	-15.7	-15.7	0	0

Member Distributed Loads (BLC 13 : Wind Load (330 deg))

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
1	BRACE-1	X	8	8	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	8	8	0	0
4	CONN-PL-60-1	X	15.7	15.7	0	0
5	CONN-PL-60-2	X	15.7	15.7	0	0
6	CONN-PL-90-1	X	13.6	13.6	0	0
7	CONN-PL-90-2	X	13.6	13.6	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 13 : Wind Load (330 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
8	CONN-PL-180-1	X	7.8	7.8	0	0
9	CONN-PL-180-2	X	7.8	7.8	0	0
10	CONN-PL-210-1	X	13.6	13.6	0	0
11	CONN-PL-210-2	X	13.6	13.6	0	0
12	CONN-PL-300-1	X	7.8	7.8	0	0
13	CONN-PL-300-2	X	7.8	7.8	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	6.2	6.2	0	0
17	COR-2	X	0	0	0	0
18	COR-3	X	6.2	6.2	0	0
19	COR-PL-90-1	X	13.6	13.6	0	0
20	COR-PL-90-2	X	13.6	13.6	0	0
21	COR-PL-90-3	X	13.6	13.6	0	0
22	COR-PL-90-4	X	13.6	13.6	0	0
23	COR-PL-210-1	X	13.6	13.6	0	0
24	COR-PL-210-2	X	13.6	13.6	0	0
25	COR-PL-210-3	X	13.6	13.6	0	0
26	COR-PL-210-4	X	13.6	13.6	0	0
27	COR-PL-330-1	X	0	0	0	0
28	COR-PL-330-2	X	0	0	0	0
29	COR-PL-330-3	X	0	0	0	0
30	COR-PL-330-4	X	0	0	0	0
31	FM-0	X	7.9	7.9	0	0
32	FM-120	X	7.9	7.9	0	0
33	FM-240	X	0	0	0	0
34	GRATE-H-90-1	X	7.5	7.5	0	0
35	GRATE-H-90-2	X	7.5	7.5	0	0
36	GRATE-H-210-1	X	7.5	7.5	0	0
37	GRATE-H-210-2	X	7.5	7.5	0	0
38	GRATE-H-330-1	X	0	0	0	0
39	GRATE-H-330-2	X	0	0	0	0
40	HR-0	X	5.4	5.4	0	0
41	HR-120	X	5.4	5.4	0	0
42	HR-240	X	0	0	0	0
43	KICK-1	X	17.8	17.8	0	0
44	KICK-2	X	17.8	17.8	0	0
45	KICK-3	X	17.8	17.8	0	0
46	KICK-PL-1	X	10.5	10.5	0	0
47	KICK-PL-2	X	20.9	20.9	0	0
48	KICK-PL-3	X	20.9	20.9	0	0
49	KICK-PL-4	X	20.9	20.9	0	0
50	KICK-PL-5	X	10.5	10.5	0	0
51	KICK-PL-6	X	20.9	20.9	0	0
52	SA-1	X	4.6	4.6	0	0
53	SA-2	X	9.3	9.3	0	0
54	SA-3	X	4.6	4.6	0	0
55	PL-90-1	X	13.6	13.6	0	0
56	PL-90-2	X	13.6	13.6	0	0
57	PL-330-1	X	0	0	0	0
58	PL-330-2	X	0	0	0	0
59	PL-210-1	X	13.6	13.6	0	0
60	PL-210-2	X	13.6	13.6	0	0
61	BRACE-1	Z	-4.6	-4.6	0	0
62	BRACE-2	Z	0	0	0	0
63	BRACE-3	Z	-4.6	-4.6	0	0
64	CONN-PL-60-1	Z	-9.1	-9.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 13 : Wind Load (330 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
65	CONN-PL-60-2	Z	-9.1	-9.1	0	0
66	CONN-PL-90-1	Z	-7.8	-7.8	0	0
67	CONN-PL-90-2	Z	-7.8	-7.8	0	0
68	CONN-PL-180-1	Z	-4.5	-4.5	0	0
69	CONN-PL-180-2	Z	-4.5	-4.5	0	0
70	CONN-PL-210-1	Z	-7.8	-7.8	0	0
71	CONN-PL-210-2	Z	-7.8	-7.8	0	0
72	CONN-PL-300-1	Z	-4.5	-4.5	0	0
73	CONN-PL-300-2	Z	-4.5	-4.5	0	0
74	CONN-PL-330-1	Z	0	0	0	0
75	CONN-PL-330-2	Z	0	0	0	0
76	COR-1	Z	-3.6	-3.6	0	0
77	COR-2	Z	0	0	0	0
78	COR-3	Z	-3.6	-3.6	0	0
79	COR-PL-90-1	Z	-7.8	-7.8	0	0
80	COR-PL-90-2	Z	-7.8	-7.8	0	0
81	COR-PL-90-3	Z	-7.8	-7.8	0	0
82	COR-PL-90-4	Z	-7.8	-7.8	0	0
83	COR-PL-210-1	Z	-7.8	-7.8	0	0
84	COR-PL-210-2	Z	-7.8	-7.8	0	0
85	COR-PL-210-3	Z	-7.8	-7.8	0	0
86	COR-PL-210-4	Z	-7.8	-7.8	0	0
87	COR-PL-330-1	Z	0	0	0	0
88	COR-PL-330-2	Z	0	0	0	0
89	COR-PL-330-3	Z	0	0	0	0
90	COR-PL-330-4	Z	0	0	0	0
91	FM-0	Z	-4.6	-4.6	0	0
92	FM-120	Z	-4.6	-4.6	0	0
93	FM-240	Z	0	0	0	0
94	GRATE-H-90-1	Z	-4.4	-4.4	0	0
95	GRATE-H-90-2	Z	-4.4	-4.4	0	0
96	GRATE-H-210-1	Z	-4.4	-4.4	0	0
97	GRATE-H-210-2	Z	-4.4	-4.4	0	0
98	GRATE-H-330-1	Z	0	0	0	0
99	GRATE-H-330-2	Z	0	0	0	0
100	HR-0	Z	-3.1	-3.1	0	0
101	HR-120	Z	-3.1	-3.1	0	0
102	HR-240	Z	0	0	0	0
103	KICK-1	Z	-10.3	-10.3	0	0
104	KICK-2	Z	-10.3	-10.3	0	0
105	KICK-3	Z	-10.3	-10.3	0	0
106	KICK-PL-1	Z	-6	-6	0	0
107	KICK-PL-2	Z	-12.1	-12.1	0	0
108	KICK-PL-3	Z	-12.1	-12.1	0	0
109	KICK-PL-4	Z	-12.1	-12.1	0	0
110	KICK-PL-5	Z	-6	-6	0	0
111	KICK-PL-6	Z	-12.1	-12.1	0	0
112	SA-1	Z	-2.7	-2.7	0	0
113	SA-2	Z	-5.4	-5.4	0	0
114	SA-3	Z	-2.7	-2.7	0	0
115	PL-90-1	Z	-7.8	-7.8	0	0
116	PL-90-2	Z	-7.8	-7.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	-7.8	-7.8	0	0
120	PL-210-2	Z	-7.8	-7.8	0	0



Member Distributed Loads (BLC 14 : Ice Load)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	Y	-9.6	-9.6	0	0
2 BRACE-2	Y	-9.6	-9.6	0	0
3 BRACE-3	Y	-9.6	-9.6	0	0
4 CONN-PL-60-1	Y	-10.1	-10.1	0	0
5 CONN-PL-60-2	Y	-10.1	-10.1	0	0
6 CONN-PL-90-1	Y	-10.1	-10.1	0	0
7 CONN-PL-90-2	Y	-10.1	-10.1	0	0
8 CONN-PL-180-1	Y	-10.1	-10.1	0	0
9 CONN-PL-180-2	Y	-10.1	-10.1	0	0
10 CONN-PL-210-1	Y	-10.1	-10.1	0	0
11 CONN-PL-210-2	Y	-10.1	-10.1	0	0
12 CONN-PL-300-1	Y	-10.1	-10.1	0	0
13 CONN-PL-300-2	Y	-10.1	-10.1	0	0
14 CONN-PL-330-1	Y	-10.1	-10.1	0	0
15 CONN-PL-330-2	Y	-10.1	-10.1	0	0
16 COR-1	Y	-6.6	-6.6	0	0
17 COR-2	Y	-6.6	-6.6	0	0
18 COR-3	Y	-6.6	-6.6	0	0
19 COR-PL-90-1	Y	-10.1	-10.1	0	0
20 COR-PL-90-2	Y	-10.1	-10.1	0	0
21 COR-PL-90-3	Y	-10.1	-10.1	0	0
22 COR-PL-90-4	Y	-10.1	-10.1	0	0
23 COR-PL-210-1	Y	-10.1	-10.1	0	0
24 COR-PL-210-2	Y	-10.1	-10.1	0	0
25 COR-PL-210-3	Y	-10.1	-10.1	0	0
26 COR-PL-210-4	Y	-10.1	-10.1	0	0
27 COR-PL-330-1	Y	-10.1	-10.1	0	0
28 COR-PL-330-2	Y	-10.1	-10.1	0	0
29 COR-PL-330-3	Y	-10.1	-10.1	0	0
30 COR-PL-330-4	Y	-10.1	-10.1	0	0
31 FM-0	Y	-6.5	-6.5	0	0
32 FM-120	Y	-6.5	-6.5	0	0
33 FM-240	Y	-6.5	-6.5	0	0
34 GRATE-H-90-1	Y	-5.6	-5.6	0	0
35 GRATE-H-90-2	Y	-5.6	-5.6	0	0
36 GRATE-H-210-1	Y	-5.6	-5.6	0	0
37 GRATE-H-210-2	Y	-5.6	-5.6	0	0
38 GRATE-H-330-1	Y	-5.6	-5.6	0	0
39 GRATE-H-330-2	Y	-5.6	-5.6	0	0
40 HR-0	Y	-5	-5	0	0
41 HR-120	Y	-5	-5	0	0
42 HR-240	Y	-5	-5	0	0
43 KICK-1	Y	-9.4	-9.4	0	0
44 KICK-2	Y	-9.4	-9.4	0	0
45 KICK-3	Y	-9.4	-9.4	0	0
46 KICK-PL-1	Y	-12.9	-12.9	0	0
47 KICK-PL-2	Y	-12.9	-12.9	0	0
48 KICK-PL-3	Y	-12.9	-12.9	0	0
49 KICK-PL-4	Y	-12.9	-12.9	0	0
50 KICK-PL-5	Y	-12.9	-12.9	0	0
51 KICK-PL-6	Y	-12.9	-12.9	0	0
52 SA-1	Y	-9.6	-9.6	0	0
53 SA-2	Y	-9.6	-9.6	0	0
54 SA-3	Y	-9.6	-9.6	0	0
55 PL-90-1	Y	-10.1	-10.1	0	0
56 PL-90-2	Y	-10.1	-10.1	0	0
57 PL-330-1	Y	-10.1	-10.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 14 : Ice Load) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
58	PL-330-2	Y	-10.1	-10.1	0	0
59	PL-210-1	Y	-10.1	-10.1	0	0
60	PL-210-2	Y	-10.1	-10.1	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	1.5	1.5	0	0
2	BRACE-2	X	1.5	1.5	0	0
3	BRACE-3	X	3	3	0	0
4	CONN-PL-60-1	X	3.6	3.6	0	0
5	CONN-PL-60-2	X	3.6	3.6	0	0
6	CONN-PL-90-1	X	4.2	4.2	0	0
7	CONN-PL-90-2	X	4.2	4.2	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	2.1	2.1	0	0
11	CONN-PL-210-2	X	2.1	2.1	0	0
12	CONN-PL-300-1	X	3.6	3.6	0	0
13	CONN-PL-300-2	X	3.6	3.6	0	0
14	CONN-PL-330-1	X	2.1	2.1	0	0
15	CONN-PL-330-2	X	2.1	2.1	0	0
16	COR-1	X	1.2	1.2	0	0
17	COR-2	X	1.2	1.2	0	0
18	COR-3	X	2.4	2.4	0	0
19	COR-PL-90-1	X	4.2	4.2	0	0
20	COR-PL-90-2	X	4.2	4.2	0	0
21	COR-PL-90-3	X	4.2	4.2	0	0
22	COR-PL-90-4	X	4.2	4.2	0	0
23	COR-PL-210-1	X	2.1	2.1	0	0
24	COR-PL-210-2	X	2.1	2.1	0	0
25	COR-PL-210-3	X	2.1	2.1	0	0
26	COR-PL-210-4	X	2.1	2.1	0	0
27	COR-PL-330-1	X	2.1	2.1	0	0
28	COR-PL-330-2	X	2.1	2.1	0	0
29	COR-PL-330-3	X	2.1	2.1	0	0
30	COR-PL-330-4	X	2.1	2.1	0	0
31	FM-0	X	3.3	3.3	0	0
32	FM-120	X	1.7	1.7	0	0
33	FM-240	X	1.7	1.7	0	0
34	GRATE-H-90-1	X	2.9	2.9	0	0
35	GRATE-H-90-2	X	2.9	2.9	0	0
36	GRATE-H-210-1	X	1.5	1.5	0	0
37	GRATE-H-210-2	X	1.5	1.5	0	0
38	GRATE-H-330-1	X	1.5	1.5	0	0
39	GRATE-H-330-2	X	1.5	1.5	0	0
40	HR-0	X	2.7	2.7	0	0
41	HR-120	X	1.3	1.3	0	0
42	HR-240	X	1.3	1.3	0	0
43	KICK-1	X	4.8	4.8	0	0
44	KICK-2	X	4.8	4.8	0	0
45	KICK-3	X	4.8	4.8	0	0
46	KICK-PL-1	X	4.6	4.6	0	0
47	KICK-PL-2	X	5.3	5.3	0	0
48	KICK-PL-3	X	4.6	4.6	0	0
49	KICK-PL-4	X	5.3	5.3	0	0
50	KICK-PL-5	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
51 KICK-PL-6	X	5.3	5.3	0	0
52 SA-1	X	2.6	2.6	0	0
53 SA-2	X	2.6	2.6	0	0
54 SA-3	X	0	0	0	0
55 PL-90-1	X	4.2	4.2	0	0
56 PL-90-2	X	4.2	4.2	0	0
57 PL-330-1	X	2.1	2.1	0	0
58 PL-330-2	X	2.1	2.1	0	0
59 PL-210-1	X	2.1	2.1	0	0
60 PL-210-2	X	2.1	2.1	0	0
61 BRACE-1	Z	0	0	0	0
62 BRACE-2	Z	0	0	0	0
63 BRACE-3	Z	0	0	0	0
64 CONN-PL-60-1	Z	0	0	0	0
65 CONN-PL-60-2	Z	0	0	0	0
66 CONN-PL-90-1	Z	0	0	0	0
67 CONN-PL-90-2	Z	0	0	0	0
68 CONN-PL-180-1	Z	0	0	0	0
69 CONN-PL-180-2	Z	0	0	0	0
70 CONN-PL-210-1	Z	0	0	0	0
71 CONN-PL-210-2	Z	0	0	0	0
72 CONN-PL-300-1	Z	0	0	0	0
73 CONN-PL-300-2	Z	0	0	0	0
74 CONN-PL-330-1	Z	0	0	0	0
75 CONN-PL-330-2	Z	0	0	0	0
76 COR-1	Z	0	0	0	0
77 COR-2	Z	0	0	0	0
78 COR-3	Z	0	0	0	0
79 COR-PL-90-1	Z	0	0	0	0
80 COR-PL-90-2	Z	0	0	0	0
81 COR-PL-90-3	Z	0	0	0	0
82 COR-PL-90-4	Z	0	0	0	0
83 COR-PL-210-1	Z	0	0	0	0
84 COR-PL-210-2	Z	0	0	0	0
85 COR-PL-210-3	Z	0	0	0	0
86 COR-PL-210-4	Z	0	0	0	0
87 COR-PL-330-1	Z	0	0	0	0
88 COR-PL-330-2	Z	0	0	0	0
89 COR-PL-330-3	Z	0	0	0	0
90 COR-PL-330-4	Z	0	0	0	0
91 FM-0	Z	0	0	0	0
92 FM-120	Z	0	0	0	0
93 FM-240	Z	0	0	0	0
94 GRATE-H-90-1	Z	0	0	0	0
95 GRATE-H-90-2	Z	0	0	0	0
96 GRATE-H-210-1	Z	0	0	0	0
97 GRATE-H-210-2	Z	0	0	0	0
98 GRATE-H-330-1	Z	0	0	0	0
99 GRATE-H-330-2	Z	0	0	0	0
100 HR-0	Z	0	0	0	0
101 HR-120	Z	0	0	0	0
102 HR-240	Z	0	0	0	0
103 KICK-1	Z	0	0	0	0
104 KICK-2	Z	0	0	0	0
105 KICK-3	Z	0	0	0	0
106 KICK-PL-1	Z	0	0	0	0
107 KICK-PL-2	Z	0	0	0	0

Member Distributed Loads (BLC 15 : Wind on Ice (0 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
108	KICK-PL-3	Z	0	0	0
109	KICK-PL-4	Z	0	0	0
110	KICK-PL-5	Z	0	0	0
111	KICK-PL-6	Z	0	0	0
112	SA-1	Z	0	0	0
113	SA-2	Z	0	0	0
114	SA-3	Z	0	0	0
115	PL-90-1	Z	0	0	0
116	PL-90-2	Z	0	0	0
117	PL-330-1	Z	0	0	0
118	PL-330-2	Z	0	0	0
119	PL-210-1	Z	0	0	0
120	PL-210-2	Z	0	0	0

Member Distributed Loads (BLC 16 : Wind on Ice (30 deg))

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0
2	BRACE-2	X	2.2	2.2	0
3	BRACE-3	X	2.2	2.2	0
4	CONN-PL-60-1	X	1.8	1.8	0
5	CONN-PL-60-2	X	1.8	1.8	0
6	CONN-PL-90-1	X	3.1	3.1	0
7	CONN-PL-90-2	X	3.1	3.1	0
8	CONN-PL-180-1	X	1.8	1.8	0
9	CONN-PL-180-2	X	1.8	1.8	0
10	CONN-PL-210-1	X	0	0	0
11	CONN-PL-210-2	X	0	0	0
12	CONN-PL-300-1	X	3.6	3.6	0
13	CONN-PL-300-2	X	3.6	3.6	0
14	CONN-PL-330-1	X	3.1	3.1	0
15	CONN-PL-330-2	X	3.1	3.1	0
16	COR-1	X	0	0	0
17	COR-2	X	1.8	1.8	0
18	COR-3	X	1.8	1.8	0
19	COR-PL-90-1	X	3.1	3.1	0
20	COR-PL-90-2	X	3.1	3.1	0
21	COR-PL-90-3	X	3.1	3.1	0
22	COR-PL-90-4	X	3.1	3.1	0
23	COR-PL-210-1	X	0	0	0
24	COR-PL-210-2	X	0	0	0
25	COR-PL-210-3	X	0	0	0
26	COR-PL-210-4	X	0	0	0
27	COR-PL-330-1	X	3.1	3.1	0
28	COR-PL-330-2	X	3.1	3.1	0
29	COR-PL-330-3	X	3.1	3.1	0
30	COR-PL-330-4	X	3.1	3.1	0
31	FM-0	X	2.5	2.5	0
32	FM-120	X	0	0	0
33	FM-240	X	2.5	2.5	0
34	GRATE-H-90-1	X	2.2	2.2	0
35	GRATE-H-90-2	X	2.2	2.2	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	2.2	2.2	0
39	GRATE-H-330-2	X	2.2	2.2	0
40	HR-0	X	2	2	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
41	HR-120	X	0	0	0
42	HR-240	X	2	2	0
43	KICK-1	X	4.1	4.1	0
44	KICK-2	X	4.1	4.1	0
45	KICK-3	X	4.1	4.1	0
46	KICK-PL-1	X	4.6	4.6	0
47	KICK-PL-2	X	4.6	4.6	0
48	KICK-PL-3	X	2.3	2.3	0
49	KICK-PL-4	X	4.6	4.6	0
50	KICK-PL-5	X	2.3	2.3	0
51	KICK-PL-6	X	4.6	4.6	0
52	SA-1	X	2.6	2.6	0
53	SA-2	X	1.3	1.3	0
54	SA-3	X	1.3	1.3	0
55	PL-90-1	X	3.1	3.1	0
56	PL-90-2	X	3.1	3.1	0
57	PL-330-1	X	3.1	3.1	0
58	PL-330-2	X	3.1	3.1	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	0	0	0
62	BRACE-2	Z	1.3	1.3	0
63	BRACE-3	Z	1.3	1.3	0
64	CONN-PL-60-1	Z	1	1	0
65	CONN-PL-60-2	Z	1	1	0
66	CONN-PL-90-1	Z	1.8	1.8	0
67	CONN-PL-90-2	Z	1.8	1.8	0
68	CONN-PL-180-1	Z	1	1	0
69	CONN-PL-180-2	Z	1	1	0
70	CONN-PL-210-1	Z	0	0	0
71	CONN-PL-210-2	Z	0	0	0
72	CONN-PL-300-1	Z	2.1	2.1	0
73	CONN-PL-300-2	Z	2.1	2.1	0
74	CONN-PL-330-1	Z	1.8	1.8	0
75	CONN-PL-330-2	Z	1.8	1.8	0
76	COR-1	Z	0	0	0
77	COR-2	Z	1	1	0
78	COR-3	Z	1	1	0
79	COR-PL-90-1	Z	1.8	1.8	0
80	COR-PL-90-2	Z	1.8	1.8	0
81	COR-PL-90-3	Z	1.8	1.8	0
82	COR-PL-90-4	Z	1.8	1.8	0
83	COR-PL-210-1	Z	0	0	0
84	COR-PL-210-2	Z	0	0	0
85	COR-PL-210-3	Z	0	0	0
86	COR-PL-210-4	Z	0	0	0
87	COR-PL-330-1	Z	1.8	1.8	0
88	COR-PL-330-2	Z	1.8	1.8	0
89	COR-PL-330-3	Z	1.8	1.8	0
90	COR-PL-330-4	Z	1.8	1.8	0
91	FM-0	Z	1.4	1.4	0
92	FM-120	Z	0	0	0
93	FM-240	Z	1.4	1.4	0
94	GRATE-H-90-1	Z	1.3	1.3	0
95	GRATE-H-90-2	Z	1.3	1.3	0
96	GRATE-H-210-1	Z	0	0	0
97	GRATE-H-210-2	Z	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 16 : Wind on Ice (30 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
98	GRATE-H-330-1	Z	1.3	1.3	0	0
99	GRATE-H-330-2	Z	1.3	1.3	0	0
100	HR-0	Z	1.2	1.2	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	1.2	1.2	0	0
103	KICK-1	Z	2.4	2.4	0	0
104	KICK-2	Z	2.4	2.4	0	0
105	KICK-3	Z	2.4	2.4	0	0
106	KICK-PL-1	Z	2.7	2.7	0	0
107	KICK-PL-2	Z	2.7	2.7	0	0
108	KICK-PL-3	Z	1.3	1.3	0	0
109	KICK-PL-4	Z	2.7	2.7	0	0
110	KICK-PL-5	Z	1.3	1.3	0	0
111	KICK-PL-6	Z	2.7	2.7	0	0
112	SA-1	Z	1.5	1.5	0	0
113	SA-2	Z	.7	.7	0	0
114	SA-3	Z	.7	.7	0	0
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	1.8	1.8	0	0
118	PL-330-2	Z	1.8	1.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 17 : Wind on Ice (60 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	.7	.7	0	0
2	BRACE-2	X	1.5	1.5	0	0
3	BRACE-3	X	.7	.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	1	1	0	0
7	CONN-PL-90-2	X	1	1	0	0
8	CONN-PL-180-1	X	1.8	1.8	0	0
9	CONN-PL-180-2	X	1.8	1.8	0	0
10	CONN-PL-210-1	X	1	1	0	0
11	CONN-PL-210-2	X	1	1	0	0
12	CONN-PL-300-1	X	1.8	1.8	0	0
13	CONN-PL-300-2	X	1.8	1.8	0	0
14	CONN-PL-330-1	X	2.1	2.1	0	0
15	CONN-PL-330-2	X	2.1	2.1	0	0
16	COR-1	X	.6	.6	0	0
17	COR-2	X	1.2	1.2	0	0
18	COR-3	X	.6	.6	0	0
19	COR-PL-90-1	X	1	1	0	0
20	COR-PL-90-2	X	1	1	0	0
21	COR-PL-90-3	X	1	1	0	0
22	COR-PL-90-4	X	1	1	0	0
23	COR-PL-210-1	X	1	1	0	0
24	COR-PL-210-2	X	1	1	0	0
25	COR-PL-210-3	X	1	1	0	0
26	COR-PL-210-4	X	1	1	0	0
27	COR-PL-330-1	X	2.1	2.1	0	0
28	COR-PL-330-2	X	2.1	2.1	0	0
29	COR-PL-330-3	X	2.1	2.1	0	0
30	COR-PL-330-4	X	2.1	2.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
31	FM-0	X	.8	.8	0	0
32	FM-120	X	.8	.8	0	0
33	FM-240	X	1.7	1.7	0	0
34	GRATE-H-90-1	X	.7	.7	0	0
35	GRATE-H-90-2	X	.7	.7	0	0
36	GRATE-H-210-1	X	.7	.7	0	0
37	GRATE-H-210-2	X	.7	.7	0	0
38	GRATE-H-330-1	X	1.5	1.5	0	0
39	GRATE-H-330-2	X	1.5	1.5	0	0
40	HR-0	X	.7	.7	0	0
41	HR-120	X	.7	.7	0	0
42	HR-240	X	1.3	1.3	0	0
43	KICK-1	X	2.4	2.4	0	0
44	KICK-2	X	2.4	2.4	0	0
45	KICK-3	X	2.4	2.4	0	0
46	KICK-PL-1	X	2.3	2.3	0	0
47	KICK-PL-2	X	2.7	2.7	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	2.7	2.7	0	0
50	KICK-PL-5	X	2.3	2.3	0	0
51	KICK-PL-6	X	2.7	2.7	0	0
52	SA-1	X	1.3	1.3	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	1.3	1.3	0	0
55	PL-90-1	X	1	1	0	0
56	PL-90-2	X	1	1	0	0
57	PL-330-1	X	2.1	2.1	0	0
58	PL-330-2	X	2.1	2.1	0	0
59	PL-210-1	X	1	1	0	0
60	PL-210-2	X	1	1	0	0
61	BRACE-1	Z	1.3	1.3	0	0
62	BRACE-2	Z	2.6	2.6	0	0
63	BRACE-3	Z	1.3	1.3	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	1.8	1.8	0	0
67	CONN-PL-90-2	Z	1.8	1.8	0	0
68	CONN-PL-180-1	Z	3.1	3.1	0	0
69	CONN-PL-180-2	Z	3.1	3.1	0	0
70	CONN-PL-210-1	Z	1.8	1.8	0	0
71	CONN-PL-210-2	Z	1.8	1.8	0	0
72	CONN-PL-300-1	Z	3.1	3.1	0	0
73	CONN-PL-300-2	Z	3.1	3.1	0	0
74	CONN-PL-330-1	Z	3.6	3.6	0	0
75	CONN-PL-330-2	Z	3.6	3.6	0	0
76	COR-1	Z	1	1	0	0
77	COR-2	Z	2	2	0	0
78	COR-3	Z	1	1	0	0
79	COR-PL-90-1	Z	1.8	1.8	0	0
80	COR-PL-90-2	Z	1.8	1.8	0	0
81	COR-PL-90-3	Z	1.8	1.8	0	0
82	COR-PL-90-4	Z	1.8	1.8	0	0
83	COR-PL-210-1	Z	1.8	1.8	0	0
84	COR-PL-210-2	Z	1.8	1.8	0	0
85	COR-PL-210-3	Z	1.8	1.8	0	0
86	COR-PL-210-4	Z	1.8	1.8	0	0
87	COR-PL-330-1	Z	3.6	3.6	0	0



Member Distributed Loads (BLC 17 : Wind on Ice (60 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]	
88	COR-PL-330-2	Z	3.6	3.6	0	0
89	COR-PL-330-3	Z	3.6	3.6	0	0
90	COR-PL-330-4	Z	3.6	3.6	0	0
91	FM-0	Z	1.4	1.4	0	0
92	FM-120	Z	1.4	1.4	0	0
93	FM-240	Z	2.9	2.9	0	0
94	GRATE-H-90-1	Z	1.3	1.3	0	0
95	GRATE-H-90-2	Z	1.3	1.3	0	0
96	GRATE-H-210-1	Z	1.3	1.3	0	0
97	GRATE-H-210-2	Z	1.3	1.3	0	0
98	GRATE-H-330-1	Z	2.5	2.5	0	0
99	GRATE-H-330-2	Z	2.5	2.5	0	0
100	HR-0	Z	1.2	1.2	0	0
101	HR-120	Z	1.2	1.2	0	0
102	HR-240	Z	2.3	2.3	0	0
103	KICK-1	Z	4.1	4.1	0	0
104	KICK-2	Z	4.1	4.1	0	0
105	KICK-3	Z	4.1	4.1	0	0
106	KICK-PL-1	Z	4	4	0	0
107	KICK-PL-2	Z	4.6	4.6	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	4.6	4.6	0	0
110	KICK-PL-5	Z	4	4	0	0
111	KICK-PL-6	Z	4.6	4.6	0	0
112	SA-1	Z	2.2	2.2	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	2.2	2.2	0	0
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	3.6	3.6	0	0
118	PL-330-2	Z	3.6	3.6	0	0
119	PL-210-1	Z	1.8	1.8	0	0
120	PL-210-2	Z	1.8	1.8	0	0

Member Distributed Loads (BLC 18 : Wind on Ice (90 deg))

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in,%]	End Location[in,%]
1	BRACE-1	X	0	0	0
2	BRACE-2	X	0	0	0
3	BRACE-3	X	0	0	0
4	CONN-PL-60-1	X	0	0	0
5	CONN-PL-60-2	X	0	0	0
6	CONN-PL-90-1	X	0	0	0
7	CONN-PL-90-2	X	0	0	0
8	CONN-PL-180-1	X	0	0	0
9	CONN-PL-180-2	X	0	0	0
10	CONN-PL-210-1	X	0	0	0
11	CONN-PL-210-2	X	0	0	0
12	CONN-PL-300-1	X	0	0	0
13	CONN-PL-300-2	X	0	0	0
14	CONN-PL-330-1	X	0	0	0
15	CONN-PL-330-2	X	0	0	0
16	COR-1	X	0	0	0
17	COR-2	X	0	0	0
18	COR-3	X	0	0	0
19	COR-PL-90-1	X	0	0	0
20	COR-PL-90-2	X	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
21	COR-PL-90-3	X	0	0	0
22	COR-PL-90-4	X	0	0	0
23	COR-PL-210-1	X	0	0	0
24	COR-PL-210-2	X	0	0	0
25	COR-PL-210-3	X	0	0	0
26	COR-PL-210-4	X	0	0	0
27	COR-PL-330-1	X	0	0	0
28	COR-PL-330-2	X	0	0	0
29	COR-PL-330-3	X	0	0	0
30	COR-PL-330-4	X	0	0	0
31	FM-0	X	0	0	0
32	FM-120	X	0	0	0
33	FM-240	X	0	0	0
34	GRATE-H-90-1	X	0	0	0
35	GRATE-H-90-2	X	0	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	0	0	0
39	GRATE-H-330-2	X	0	0	0
40	HR-0	X	0	0	0
41	HR-120	X	0	0	0
42	HR-240	X	0	0	0
43	KICK-1	X	0	0	0
44	KICK-2	X	0	0	0
45	KICK-3	X	0	0	0
46	KICK-PL-1	X	0	0	0
47	KICK-PL-2	X	0	0	0
48	KICK-PL-3	X	0	0	0
49	KICK-PL-4	X	0	0	0
50	KICK-PL-5	X	0	0	0
51	KICK-PL-6	X	0	0	0
52	SA-1	X	0	0	0
53	SA-2	X	0	0	0
54	SA-3	X	0	0	0
55	PL-90-1	X	0	0	0
56	PL-90-2	X	0	0	0
57	PL-330-1	X	0	0	0
58	PL-330-2	X	0	0	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	2.6	2.6	0
62	BRACE-2	Z	2.6	2.6	0
63	BRACE-3	Z	0	0	0
64	CONN-PL-60-1	Z	2.1	2.1	0
65	CONN-PL-60-2	Z	2.1	2.1	0
66	CONN-PL-90-1	Z	0	0	0
67	CONN-PL-90-2	Z	0	0	0
68	CONN-PL-180-1	Z	4.2	4.2	0
69	CONN-PL-180-2	Z	4.2	4.2	0
70	CONN-PL-210-1	Z	3.6	3.6	0
71	CONN-PL-210-2	Z	3.6	3.6	0
72	CONN-PL-300-1	Z	2.1	2.1	0
73	CONN-PL-300-2	Z	2.1	2.1	0
74	CONN-PL-330-1	Z	3.6	3.6	0
75	CONN-PL-330-2	Z	3.6	3.6	0
76	COR-1	Z	2	2	0
77	COR-2	Z	2	2	0



Member Distributed Loads (BLC 18 : Wind on Ice (90 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
78	COR-3	Z	0	0	0
79	COR-PL-90-1	Z	0	0	0
80	COR-PL-90-2	Z	0	0	0
81	COR-PL-90-3	Z	0	0	0
82	COR-PL-90-4	Z	0	0	0
83	COR-PL-210-1	Z	3.6	3.6	0
84	COR-PL-210-2	Z	3.6	3.6	0
85	COR-PL-210-3	Z	3.6	3.6	0
86	COR-PL-210-4	Z	3.6	3.6	0
87	COR-PL-330-1	Z	3.6	3.6	0
88	COR-PL-330-2	Z	3.6	3.6	0
89	COR-PL-330-3	Z	3.6	3.6	0
90	COR-PL-330-4	Z	3.6	3.6	0
91	FM-0	Z	0	0	0
92	FM-120	Z	2.9	2.9	0
93	FM-240	Z	2.9	2.9	0
94	GRATE-H-90-1	Z	0	0	0
95	GRATE-H-90-2	Z	0	0	0
96	GRATE-H-210-1	Z	2.5	2.5	0
97	GRATE-H-210-2	Z	2.5	2.5	0
98	GRATE-H-330-1	Z	2.5	2.5	0
99	GRATE-H-330-2	Z	2.5	2.5	0
100	HR-0	Z	0	0	0
101	HR-120	Z	2.3	2.3	0
102	HR-240	Z	2.3	2.3	0
103	KICK-1	Z	4.8	4.8	0
104	KICK-2	Z	4.8	4.8	0
105	KICK-3	Z	4.8	4.8	0
106	KICK-PL-1	Z	2.7	2.7	0
107	KICK-PL-2	Z	5.3	5.3	0
108	KICK-PL-3	Z	2.7	2.7	0
109	KICK-PL-4	Z	5.3	5.3	0
110	KICK-PL-5	Z	5.3	5.3	0
111	KICK-PL-6	Z	5.3	5.3	0
112	SA-1	Z	1.5	1.5	0
113	SA-2	Z	1.5	1.5	0
114	SA-3	Z	3	3	0
115	PL-90-1	Z	0	0	0
116	PL-90-2	Z	0	0	0
117	PL-330-1	Z	3.6	3.6	0
118	PL-330-2	Z	3.6	3.6	0
119	PL-210-1	Z	3.6	3.6	0
120	PL-210-2	Z	3.6	3.6	0

Member Distributed Loads (BLC 19 : Wind on Ice (120 deg))

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-1.5	-1.5	0
2	BRACE-2	X	-7	-7	0
3	BRACE-3	X	-7	-7	0
4	CONN-PL-60-1	X	-1.8	-1.8	0
5	CONN-PL-60-2	X	-1.8	-1.8	0
6	CONN-PL-90-1	X	-1	-1	0
7	CONN-PL-90-2	X	-1	-1	0
8	CONN-PL-180-1	X	-1.8	-1.8	0
9	CONN-PL-180-2	X	-1.8	-1.8	0
10	CONN-PL-210-1	X	-2.1	-2.1	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
11	CONN-PL-210-2	X	-2.1	-2.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	-1	-1	0	0
15	CONN-PL-330-2	X	-1	-1	0	0
16	COR-1	X	-1.2	-1.2	0	0
17	COR-2	X	-6	-6	0	0
18	COR-3	X	-6	-6	0	0
19	COR-PL-90-1	X	-1	-1	0	0
20	COR-PL-90-2	X	-1	-1	0	0
21	COR-PL-90-3	X	-1	-1	0	0
22	COR-PL-90-4	X	-1	-1	0	0
23	COR-PL-210-1	X	-2.1	-2.1	0	0
24	COR-PL-210-2	X	-2.1	-2.1	0	0
25	COR-PL-210-3	X	-2.1	-2.1	0	0
26	COR-PL-210-4	X	-2.1	-2.1	0	0
27	COR-PL-330-1	X	-1	-1	0	0
28	COR-PL-330-2	X	-1	-1	0	0
29	COR-PL-330-3	X	-1	-1	0	0
30	COR-PL-330-4	X	-1	-1	0	0
31	FM-0	X	-8	-8	0	0
32	FM-120	X	-1.7	-1.7	0	0
33	FM-240	X	-8	-8	0	0
34	GRATE-H-90-1	X	-7	-7	0	0
35	GRATE-H-90-2	X	-7	-7	0	0
36	GRATE-H-210-1	X	-1.5	-1.5	0	0
37	GRATE-H-210-2	X	-1.5	-1.5	0	0
38	GRATE-H-330-1	X	-7	-7	0	0
39	GRATE-H-330-2	X	-7	-7	0	0
40	HR-0	X	-7	-7	0	0
41	HR-120	X	-1.3	-1.3	0	0
42	HR-240	X	-7	-7	0	0
43	KICK-1	X	-2.4	-2.4	0	0
44	KICK-2	X	-2.4	-2.4	0	0
45	KICK-3	X	-2.4	-2.4	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	-2.7	-2.7	0	0
48	KICK-PL-3	X	-2.3	-2.3	0	0
49	KICK-PL-4	X	-2.7	-2.7	0	0
50	KICK-PL-5	X	-2.3	-2.3	0	0
51	KICK-PL-6	X	-2.7	-2.7	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	-1.3	-1.3	0	0
54	SA-3	X	-1.3	-1.3	0	0
55	PL-90-1	X	-1	-1	0	0
56	PL-90-2	X	-1	-1	0	0
57	PL-330-1	X	-1	-1	0	0
58	PL-330-2	X	-1	-1	0	0
59	PL-210-1	X	-2.1	-2.1	0	0
60	PL-210-2	X	-2.1	-2.1	0	0
61	BRACE-1	Z	2.6	2.6	0	0
62	BRACE-2	Z	1.3	1.3	0	0
63	BRACE-3	Z	1.3	1.3	0	0
64	CONN-PL-60-1	Z	3.1	3.1	0	0
65	CONN-PL-60-2	Z	3.1	3.1	0	0
66	CONN-PL-90-1	Z	1.8	1.8	0	0
67	CONN-PL-90-2	Z	1.8	1.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 19 : Wind on Ice (120 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
68	CONN-PL-180-1	Z	3.1	3.1	0	0
69	CONN-PL-180-2	Z	3.1	3.1	0	0
70	CONN-PL-210-1	Z	3.6	3.6	0	0
71	CONN-PL-210-2	Z	3.6	3.6	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	1.8	1.8	0	0
75	CONN-PL-330-2	Z	1.8	1.8	0	0
76	COR-1	Z	2	2	0	0
77	COR-2	Z	1	1	0	0
78	COR-3	Z	1	1	0	0
79	COR-PL-90-1	Z	1.8	1.8	0	0
80	COR-PL-90-2	Z	1.8	1.8	0	0
81	COR-PL-90-3	Z	1.8	1.8	0	0
82	COR-PL-90-4	Z	1.8	1.8	0	0
83	COR-PL-210-1	Z	3.6	3.6	0	0
84	COR-PL-210-2	Z	3.6	3.6	0	0
85	COR-PL-210-3	Z	3.6	3.6	0	0
86	COR-PL-210-4	Z	3.6	3.6	0	0
87	COR-PL-330-1	Z	1.8	1.8	0	0
88	COR-PL-330-2	Z	1.8	1.8	0	0
89	COR-PL-330-3	Z	1.8	1.8	0	0
90	COR-PL-330-4	Z	1.8	1.8	0	0
91	FM-0	Z	1.4	1.4	0	0
92	FM-120	Z	2.9	2.9	0	0
93	FM-240	Z	1.4	1.4	0	0
94	GRATE-H-90-1	Z	1.3	1.3	0	0
95	GRATE-H-90-2	Z	1.3	1.3	0	0
96	GRATE-H-210-1	Z	2.5	2.5	0	0
97	GRATE-H-210-2	Z	2.5	2.5	0	0
98	GRATE-H-330-1	Z	1.3	1.3	0	0
99	GRATE-H-330-2	Z	1.3	1.3	0	0
100	HR-0	Z	1.2	1.2	0	0
101	HR-120	Z	2.3	2.3	0	0
102	HR-240	Z	1.2	1.2	0	0
103	KICK-1	Z	4.1	4.1	0	0
104	KICK-2	Z	4.1	4.1	0	0
105	KICK-3	Z	4.1	4.1	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	4.6	4.6	0	0
108	KICK-PL-3	Z	4	4	0	0
109	KICK-PL-4	Z	4.6	4.6	0	0
110	KICK-PL-5	Z	4	4	0	0
111	KICK-PL-6	Z	4.6	4.6	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	2.2	2.2	0	0
114	SA-3	Z	2.2	2.2	0	0
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	1.8	1.8	0	0
118	PL-330-2	Z	1.8	1.8	0	0
119	PL-210-1	Z	3.6	3.6	0	0
120	PL-210-2	Z	3.6	3.6	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg))

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
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Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
 7:02 PM
 Checked By: DHK

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	X	-2.2	-2.2	0	0
2 BRACE-2	X	0	0	0	0
3 BRACE-3	X	-2.2	-2.2	0	0
4 CONN-PL-60-1	X	-3.6	-3.6	0	0
5 CONN-PL-60-2	X	-3.6	-3.6	0	0
6 CONN-PL-90-1	X	-3.1	-3.1	0	0
7 CONN-PL-90-2	X	-3.1	-3.1	0	0
8 CONN-PL-180-1	X	-1.8	-1.8	0	0
9 CONN-PL-180-2	X	-1.8	-1.8	0	0
10 CONN-PL-210-1	X	-3.1	-3.1	0	0
11 CONN-PL-210-2	X	-3.1	-3.1	0	0
12 CONN-PL-300-1	X	-1.8	-1.8	0	0
13 CONN-PL-300-2	X	-1.8	-1.8	0	0
14 CONN-PL-330-1	X	0	0	0	0
15 CONN-PL-330-2	X	0	0	0	0
16 COR-1	X	-1.8	-1.8	0	0
17 COR-2	X	0	0	0	0
18 COR-3	X	-1.8	-1.8	0	0
19 COR-PL-90-1	X	-3.1	-3.1	0	0
20 COR-PL-90-2	X	-3.1	-3.1	0	0
21 COR-PL-90-3	X	-3.1	-3.1	0	0
22 COR-PL-90-4	X	-3.1	-3.1	0	0
23 COR-PL-210-1	X	-3.1	-3.1	0	0
24 COR-PL-210-2	X	-3.1	-3.1	0	0
25 COR-PL-210-3	X	-3.1	-3.1	0	0
26 COR-PL-210-4	X	-3.1	-3.1	0	0
27 COR-PL-330-1	X	0	0	0	0
28 COR-PL-330-2	X	0	0	0	0
29 COR-PL-330-3	X	0	0	0	0
30 COR-PL-330-4	X	0	0	0	0
31 FM-0	X	-2.5	-2.5	0	0
32 FM-120	X	-2.5	-2.5	0	0
33 FM-240	X	0	0	0	0
34 GRATE-H-90-1	X	-2.2	-2.2	0	0
35 GRATE-H-90-2	X	-2.2	-2.2	0	0
36 GRATE-H-210-1	X	-2.2	-2.2	0	0
37 GRATE-H-210-2	X	-2.2	-2.2	0	0
38 GRATE-H-330-1	X	0	0	0	0
39 GRATE-H-330-2	X	0	0	0	0
40 HR-0	X	-2	-2	0	0
41 HR-120	X	-2	-2	0	0
42 HR-240	X	0	0	0	0
43 KICK-1	X	-4.1	-4.1	0	0
44 KICK-2	X	-4.1	-4.1	0	0
45 KICK-3	X	-4.1	-4.1	0	0
46 KICK-PL-1	X	-2.3	-2.3	0	0
47 KICK-PL-2	X	-4.6	-4.6	0	0
48 KICK-PL-3	X	-4.6	-4.6	0	0
49 KICK-PL-4	X	-4.6	-4.6	0	0
50 KICK-PL-5	X	-2.3	-2.3	0	0
51 KICK-PL-6	X	-4.6	-4.6	0	0
52 SA-1	X	-1.3	-1.3	0	0
53 SA-2	X	-2.6	-2.6	0	0
54 SA-3	X	-1.3	-1.3	0	0
55 PL-90-1	X	-3.1	-3.1	0	0
56 PL-90-2	X	-3.1	-3.1	0	0
57 PL-330-1	X	0	0	0	0

Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
58	PL-330-2	X	0	0	0
59	PL-210-1	X	-3.1	-3.1	0
60	PL-210-2	X	-3.1	-3.1	0
61	BRACE-1	Z	1.3	1.3	0
62	BRACE-2	Z	0	0	0
63	BRACE-3	Z	1.3	1.3	0
64	CONN-PL-60-1	Z	2.1	2.1	0
65	CONN-PL-60-2	Z	2.1	2.1	0
66	CONN-PL-90-1	Z	1.8	1.8	0
67	CONN-PL-90-2	Z	1.8	1.8	0
68	CONN-PL-180-1	Z	1	1	0
69	CONN-PL-180-2	Z	1	1	0
70	CONN-PL-210-1	Z	1.8	1.8	0
71	CONN-PL-210-2	Z	1.8	1.8	0
72	CONN-PL-300-1	Z	1	1	0
73	CONN-PL-300-2	Z	1	1	0
74	CONN-PL-330-1	Z	0	0	0
75	CONN-PL-330-2	Z	0	0	0
76	COR-1	Z	1	1	0
77	COR-2	Z	0	0	0
78	COR-3	Z	1	1	0
79	COR-PL-90-1	Z	1.8	1.8	0
80	COR-PL-90-2	Z	1.8	1.8	0
81	COR-PL-90-3	Z	1.8	1.8	0
82	COR-PL-90-4	Z	1.8	1.8	0
83	COR-PL-210-1	Z	1.8	1.8	0
84	COR-PL-210-2	Z	1.8	1.8	0
85	COR-PL-210-3	Z	1.8	1.8	0
86	COR-PL-210-4	Z	1.8	1.8	0
87	COR-PL-330-1	Z	0	0	0
88	COR-PL-330-2	Z	0	0	0
89	COR-PL-330-3	Z	0	0	0
90	COR-PL-330-4	Z	0	0	0
91	FM-0	Z	1.4	1.4	0
92	FM-120	Z	1.4	1.4	0
93	FM-240	Z	0	0	0
94	GRATE-H-90-1	Z	1.3	1.3	0
95	GRATE-H-90-2	Z	1.3	1.3	0
96	GRATE-H-210-1	Z	1.3	1.3	0
97	GRATE-H-210-2	Z	1.3	1.3	0
98	GRATE-H-330-1	Z	0	0	0
99	GRATE-H-330-2	Z	0	0	0
100	HR-0	Z	1.2	1.2	0
101	HR-120	Z	1.2	1.2	0
102	HR-240	Z	0	0	0
103	KICK-1	Z	2.4	2.4	0
104	KICK-2	Z	2.4	2.4	0
105	KICK-3	Z	2.4	2.4	0
106	KICK-PL-1	Z	1.3	1.3	0
107	KICK-PL-2	Z	2.7	2.7	0
108	KICK-PL-3	Z	2.7	2.7	0
109	KICK-PL-4	Z	2.7	2.7	0
110	KICK-PL-5	Z	1.3	1.3	0
111	KICK-PL-6	Z	2.7	2.7	0
112	SA-1	Z	.7	.7	0
113	SA-2	Z	1.5	1.5	0
114	SA-3	Z	.7	.7	0



Member Distributed Loads (BLC 20 : Wind on Ice (150 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
115	PL-90-1	Z	1.8	1.8	0	0
116	PL-90-2	Z	1.8	1.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	1.8	1.8	0	0
120	PL-210-2	Z	1.8	1.8	0	0

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg))

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-1.5	-1.5	0	0
2	BRACE-2	X	-1.5	-1.5	0	0
3	BRACE-3	X	-3	-3	0	0
4	CONN-PL-60-1	X	-3.6	-3.6	0	0
5	CONN-PL-60-2	X	-3.6	-3.6	0	0
6	CONN-PL-90-1	X	-4.2	-4.2	0	0
7	CONN-PL-90-2	X	-4.2	-4.2	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	-2.1	-2.1	0	0
11	CONN-PL-210-2	X	-2.1	-2.1	0	0
12	CONN-PL-300-1	X	-3.6	-3.6	0	0
13	CONN-PL-300-2	X	-3.6	-3.6	0	0
14	CONN-PL-330-1	X	-2.1	-2.1	0	0
15	CONN-PL-330-2	X	-2.1	-2.1	0	0
16	COR-1	X	-1.2	-1.2	0	0
17	COR-2	X	-1.2	-1.2	0	0
18	COR-3	X	-2.4	-2.4	0	0
19	COR-PL-90-1	X	-4.2	-4.2	0	0
20	COR-PL-90-2	X	-4.2	-4.2	0	0
21	COR-PL-90-3	X	-4.2	-4.2	0	0
22	COR-PL-90-4	X	-4.2	-4.2	0	0
23	COR-PL-210-1	X	-2.1	-2.1	0	0
24	COR-PL-210-2	X	-2.1	-2.1	0	0
25	COR-PL-210-3	X	-2.1	-2.1	0	0
26	COR-PL-210-4	X	-2.1	-2.1	0	0
27	COR-PL-330-1	X	-2.1	-2.1	0	0
28	COR-PL-330-2	X	-2.1	-2.1	0	0
29	COR-PL-330-3	X	-2.1	-2.1	0	0
30	COR-PL-330-4	X	-2.1	-2.1	0	0
31	FM-0	X	-3.3	-3.3	0	0
32	FM-120	X	-1.7	-1.7	0	0
33	FM-240	X	-1.7	-1.7	0	0
34	GRATE-H-90-1	X	-2.9	-2.9	0	0
35	GRATE-H-90-2	X	-2.9	-2.9	0	0
36	GRATE-H-210-1	X	-1.5	-1.5	0	0
37	GRATE-H-210-2	X	-1.5	-1.5	0	0
38	GRATE-H-330-1	X	-1.5	-1.5	0	0
39	GRATE-H-330-2	X	-1.5	-1.5	0	0
40	HR-0	X	-2.7	-2.7	0	0
41	HR-120	X	-1.3	-1.3	0	0
42	HR-240	X	-1.3	-1.3	0	0
43	KICK-1	X	-4.8	-4.8	0	0
44	KICK-2	X	-4.8	-4.8	0	0
45	KICK-3	X	-4.8	-4.8	0	0
46	KICK-PL-1	X	-4.6	-4.6	0	0
47	KICK-PL-2	X	-5.3	-5.3	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
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 Checked By: DHK

Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
48	KICK-PL-3	X	-4.6	-4.6	0 0
49	KICK-PL-4	X	-5.3	-5.3	0 0
50	KICK-PL-5	X	0	0	0 0
51	KICK-PL-6	X	-5.3	-5.3	0 0
52	SA-1	X	-2.6	-2.6	0 0
53	SA-2	X	-2.6	-2.6	0 0
54	SA-3	X	0	0	0 0
55	PL-90-1	X	-4.2	-4.2	0 0
56	PL-90-2	X	-4.2	-4.2	0 0
57	PL-330-1	X	-2.1	-2.1	0 0
58	PL-330-2	X	-2.1	-2.1	0 0
59	PL-210-1	X	-2.1	-2.1	0 0
60	PL-210-2	X	-2.1	-2.1	0 0
61	BRACE-1	Z	0	0	0 0
62	BRACE-2	Z	0	0	0 0
63	BRACE-3	Z	0	0	0 0
64	CONN-PL-60-1	Z	0	0	0 0
65	CONN-PL-60-2	Z	0	0	0 0
66	CONN-PL-90-1	Z	0	0	0 0
67	CONN-PL-90-2	Z	0	0	0 0
68	CONN-PL-180-1	Z	0	0	0 0
69	CONN-PL-180-2	Z	0	0	0 0
70	CONN-PL-210-1	Z	0	0	0 0
71	CONN-PL-210-2	Z	0	0	0 0
72	CONN-PL-300-1	Z	0	0	0 0
73	CONN-PL-300-2	Z	0	0	0 0
74	CONN-PL-330-1	Z	0	0	0 0
75	CONN-PL-330-2	Z	0	0	0 0
76	COR-1	Z	0	0	0 0
77	COR-2	Z	0	0	0 0
78	COR-3	Z	0	0	0 0
79	COR-PL-90-1	Z	0	0	0 0
80	COR-PL-90-2	Z	0	0	0 0
81	COR-PL-90-3	Z	0	0	0 0
82	COR-PL-90-4	Z	0	0	0 0
83	COR-PL-210-1	Z	0	0	0 0
84	COR-PL-210-2	Z	0	0	0 0
85	COR-PL-210-3	Z	0	0	0 0
86	COR-PL-210-4	Z	0	0	0 0
87	COR-PL-330-1	Z	0	0	0 0
88	COR-PL-330-2	Z	0	0	0 0
89	COR-PL-330-3	Z	0	0	0 0
90	COR-PL-330-4	Z	0	0	0 0
91	FM-0	Z	0	0	0 0
92	FM-120	Z	0	0	0 0
93	FM-240	Z	0	0	0 0
94	GRATE-H-90-1	Z	0	0	0 0
95	GRATE-H-90-2	Z	0	0	0 0
96	GRATE-H-210-1	Z	0	0	0 0
97	GRATE-H-210-2	Z	0	0	0 0
98	GRATE-H-330-1	Z	0	0	0 0
99	GRATE-H-330-2	Z	0	0	0 0
100	HR-0	Z	0	0	0 0
101	HR-120	Z	0	0	0 0
102	HR-240	Z	0	0	0 0
103	KICK-1	Z	0	0	0 0
104	KICK-2	Z	0	0	0 0



Member Distributed Loads (BLC 21 : Wind on Ice (180 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
105	KICK-3	Z	0	0	0
106	KICK-PL-1	Z	0	0	0
107	KICK-PL-2	Z	0	0	0
108	KICK-PL-3	Z	0	0	0
109	KICK-PL-4	Z	0	0	0
110	KICK-PL-5	Z	0	0	0
111	KICK-PL-6	Z	0	0	0
112	SA-1	Z	0	0	0
113	SA-2	Z	0	0	0
114	SA-3	Z	0	0	0
115	PL-90-1	Z	0	0	0
116	PL-90-2	Z	0	0	0
117	PL-330-1	Z	0	0	0
118	PL-330-2	Z	0	0	0
119	PL-210-1	Z	0	0	0
120	PL-210-2	Z	0	0	0

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg))

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0
2	BRACE-2	X	-2.2	0	0
3	BRACE-3	X	-2.2	0	0
4	CONN-PL-60-1	X	-1.8	0	0
5	CONN-PL-60-2	X	-1.8	0	0
6	CONN-PL-90-1	X	-3.1	0	0
7	CONN-PL-90-2	X	-3.1	0	0
8	CONN-PL-180-1	X	-1.8	0	0
9	CONN-PL-180-2	X	-1.8	0	0
10	CONN-PL-210-1	X	0	0	0
11	CONN-PL-210-2	X	0	0	0
12	CONN-PL-300-1	X	-3.6	0	0
13	CONN-PL-300-2	X	-3.6	0	0
14	CONN-PL-330-1	X	-3.1	0	0
15	CONN-PL-330-2	X	-3.1	0	0
16	COR-1	X	0	0	0
17	COR-2	X	-1.8	0	0
18	COR-3	X	-1.8	0	0
19	COR-PL-90-1	X	-3.1	0	0
20	COR-PL-90-2	X	-3.1	0	0
21	COR-PL-90-3	X	-3.1	0	0
22	COR-PL-90-4	X	-3.1	0	0
23	COR-PL-210-1	X	0	0	0
24	COR-PL-210-2	X	0	0	0
25	COR-PL-210-3	X	0	0	0
26	COR-PL-210-4	X	0	0	0
27	COR-PL-330-1	X	-3.1	0	0
28	COR-PL-330-2	X	-3.1	0	0
29	COR-PL-330-3	X	-3.1	0	0
30	COR-PL-330-4	X	-3.1	0	0
31	FM-0	X	-2.5	0	0
32	FM-120	X	0	0	0
33	FM-240	X	-2.5	0	0
34	GRATE-H-90-1	X	-2.2	0	0
35	GRATE-H-90-2	X	-2.2	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
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 Checked By: DHK

Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
38	GRATE-H-330-1	X	-2.2	-2.2	0	0
39	GRATE-H-330-2	X	-2.2	-2.2	0	0
40	HR-0	X	-2	-2	0	0
41	HR-120	X	0	0	0	0
42	HR-240	X	-2	-2	0	0
43	KICK-1	X	-4.1	-4.1	0	0
44	KICK-2	X	-4.1	-4.1	0	0
45	KICK-3	X	-4.1	-4.1	0	0
46	KICK-PL-1	X	-4.6	-4.6	0	0
47	KICK-PL-2	X	-4.6	-4.6	0	0
48	KICK-PL-3	X	-2.3	-2.3	0	0
49	KICK-PL-4	X	-4.6	-4.6	0	0
50	KICK-PL-5	X	-2.3	-2.3	0	0
51	KICK-PL-6	X	-4.6	-4.6	0	0
52	SA-1	X	-2.6	-2.6	0	0
53	SA-2	X	-1.3	-1.3	0	0
54	SA-3	X	-1.3	-1.3	0	0
55	PL-90-1	X	-3.1	-3.1	0	0
56	PL-90-2	X	-3.1	-3.1	0	0
57	PL-330-1	X	-3.1	-3.1	0	0
58	PL-330-2	X	-3.1	-3.1	0	0
59	PL-210-1	X	0	0	0	0
60	PL-210-2	X	0	0	0	0
61	BRACE-1	Z	0	0	0	0
62	BRACE-2	Z	-1.3	-1.3	0	0
63	BRACE-3	Z	-1.3	-1.3	0	0
64	CONN-PL-60-1	Z	-1	-1	0	0
65	CONN-PL-60-2	Z	-1	-1	0	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0	0
68	CONN-PL-180-1	Z	-1	-1	0	0
69	CONN-PL-180-2	Z	-1	-1	0	0
70	CONN-PL-210-1	Z	0	0	0	0
71	CONN-PL-210-2	Z	0	0	0	0
72	CONN-PL-300-1	Z	-2.1	-2.1	0	0
73	CONN-PL-300-2	Z	-2.1	-2.1	0	0
74	CONN-PL-330-1	Z	-1.8	-1.8	0	0
75	CONN-PL-330-2	Z	-1.8	-1.8	0	0
76	COR-1	Z	0	0	0	0
77	COR-2	Z	-1	-1	0	0
78	COR-3	Z	-1	-1	0	0
79	COR-PL-90-1	Z	-1.8	-1.8	0	0
80	COR-PL-90-2	Z	-1.8	-1.8	0	0
81	COR-PL-90-3	Z	-1.8	-1.8	0	0
82	COR-PL-90-4	Z	-1.8	-1.8	0	0
83	COR-PL-210-1	Z	0	0	0	0
84	COR-PL-210-2	Z	0	0	0	0
85	COR-PL-210-3	Z	0	0	0	0
86	COR-PL-210-4	Z	0	0	0	0
87	COR-PL-330-1	Z	-1.8	-1.8	0	0
88	COR-PL-330-2	Z	-1.8	-1.8	0	0
89	COR-PL-330-3	Z	-1.8	-1.8	0	0
90	COR-PL-330-4	Z	-1.8	-1.8	0	0
91	FM-0	Z	-1.4	-1.4	0	0
92	FM-120	Z	0	0	0	0
93	FM-240	Z	-1.4	-1.4	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0	0



Member Distributed Loads (BLC 22 : Wind on Ice (210 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
95	GRATE-H-90-2	Z	-1.3	-1.3	0	0
96	GRATE-H-210-1	Z	0	0	0	0
97	GRATE-H-210-2	Z	0	0	0	0
98	GRATE-H-330-1	Z	-1.3	-1.3	0	0
99	GRATE-H-330-2	Z	-1.3	-1.3	0	0
100	HR-0	Z	-1.2	-1.2	0	0
101	HR-120	Z	0	0	0	0
102	HR-240	Z	-1.2	-1.2	0	0
103	KICK-1	Z	-2.4	-2.4	0	0
104	KICK-2	Z	-2.4	-2.4	0	0
105	KICK-3	Z	-2.4	-2.4	0	0
106	KICK-PL-1	Z	-2.7	-2.7	0	0
107	KICK-PL-2	Z	-2.7	-2.7	0	0
108	KICK-PL-3	Z	-1.3	-1.3	0	0
109	KICK-PL-4	Z	-2.7	-2.7	0	0
110	KICK-PL-5	Z	-1.3	-1.3	0	0
111	KICK-PL-6	Z	-2.7	-2.7	0	0
112	SA-1	Z	-1.5	-1.5	0	0
113	SA-2	Z	-.7	-.7	0	0
114	SA-3	Z	-.7	-.7	0	0
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	-1.8	-1.8	0	0
118	PL-330-2	Z	-1.8	-1.8	0	0
119	PL-210-1	Z	0	0	0	0
120	PL-210-2	Z	0	0	0	0

Member Distributed Loads (BLC 23 : Wind on Ice (240 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	-.7	-.7	0	0
2	BRACE-2	X	-1.5	-1.5	0	0
3	BRACE-3	X	-.7	-.7	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	-1	-1	0	0
7	CONN-PL-90-2	X	-1	-1	0	0
8	CONN-PL-180-1	X	-1.8	-1.8	0	0
9	CONN-PL-180-2	X	-1.8	-1.8	0	0
10	CONN-PL-210-1	X	-1	-1	0	0
11	CONN-PL-210-2	X	-1	-1	0	0
12	CONN-PL-300-1	X	-1.8	-1.8	0	0
13	CONN-PL-300-2	X	-1.8	-1.8	0	0
14	CONN-PL-330-1	X	-2.1	-2.1	0	0
15	CONN-PL-330-2	X	-2.1	-2.1	0	0
16	COR-1	X	-.6	-.6	0	0
17	COR-2	X	-1.2	-1.2	0	0
18	COR-3	X	-.6	-.6	0	0
19	COR-PL-90-1	X	-1	-1	0	0
20	COR-PL-90-2	X	-1	-1	0	0
21	COR-PL-90-3	X	-1	-1	0	0
22	COR-PL-90-4	X	-1	-1	0	0
23	COR-PL-210-1	X	-1	-1	0	0
24	COR-PL-210-2	X	-1	-1	0	0
25	COR-PL-210-3	X	-1	-1	0	0
26	COR-PL-210-4	X	-1	-1	0	0
27	COR-PL-330-1	X	-2.1	-2.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
28	COR-PL-330-2	X	-2.1	-2.1	0	0
29	COR-PL-330-3	X	-2.1	-2.1	0	0
30	COR-PL-330-4	X	-2.1	-2.1	0	0
31	FM-0	X	-8	-8	0	0
32	FM-120	X	-8	-8	0	0
33	FM-240	X	-1.7	-1.7	0	0
34	GRATE-H-90-1	X	-7	-7	0	0
35	GRATE-H-90-2	X	-7	-7	0	0
36	GRATE-H-210-1	X	-7	-7	0	0
37	GRATE-H-210-2	X	-7	-7	0	0
38	GRATE-H-330-1	X	-1.5	-1.5	0	0
39	GRATE-H-330-2	X	-1.5	-1.5	0	0
40	HR-0	X	-7	-7	0	0
41	HR-120	X	-7	-7	0	0
42	HR-240	X	-1.3	-1.3	0	0
43	KICK-1	X	-2.4	-2.4	0	0
44	KICK-2	X	-2.4	-2.4	0	0
45	KICK-3	X	-2.4	-2.4	0	0
46	KICK-PL-1	X	-2.3	-2.3	0	0
47	KICK-PL-2	X	-2.7	-2.7	0	0
48	KICK-PL-3	X	0	0	0	0
49	KICK-PL-4	X	-2.7	-2.7	0	0
50	KICK-PL-5	X	-2.3	-2.3	0	0
51	KICK-PL-6	X	-2.7	-2.7	0	0
52	SA-1	X	-1.3	-1.3	0	0
53	SA-2	X	0	0	0	0
54	SA-3	X	-1.3	-1.3	0	0
55	PL-90-1	X	-1	-1	0	0
56	PL-90-2	X	-1	-1	0	0
57	PL-330-1	X	-2.1	-2.1	0	0
58	PL-330-2	X	-2.1	-2.1	0	0
59	PL-210-1	X	-1	-1	0	0
60	PL-210-2	X	-1	-1	0	0
61	BRACE-1	Z	-1.3	-1.3	0	0
62	BRACE-2	Z	-2.6	-2.6	0	0
63	BRACE-3	Z	-1.3	-1.3	0	0
64	CONN-PL-60-1	Z	0	0	0	0
65	CONN-PL-60-2	Z	0	0	0	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0	0
68	CONN-PL-180-1	Z	-3.1	-3.1	0	0
69	CONN-PL-180-2	Z	-3.1	-3.1	0	0
70	CONN-PL-210-1	Z	-1.8	-1.8	0	0
71	CONN-PL-210-2	Z	-1.8	-1.8	0	0
72	CONN-PL-300-1	Z	-3.1	-3.1	0	0
73	CONN-PL-300-2	Z	-3.1	-3.1	0	0
74	CONN-PL-330-1	Z	-3.6	-3.6	0	0
75	CONN-PL-330-2	Z	-3.6	-3.6	0	0
76	COR-1	Z	-1	-1	0	0
77	COR-2	Z	-2	-2	0	0
78	COR-3	Z	-1	-1	0	0
79	COR-PL-90-1	Z	-1.8	-1.8	0	0
80	COR-PL-90-2	Z	-1.8	-1.8	0	0
81	COR-PL-90-3	Z	-1.8	-1.8	0	0
82	COR-PL-90-4	Z	-1.8	-1.8	0	0
83	COR-PL-210-1	Z	-1.8	-1.8	0	0
84	COR-PL-210-2	Z	-1.8	-1.8	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 23 : Wind on Ice (240 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
85	COR-PL-210-3	Z	-1.8	-1.8	0	0
86	COR-PL-210-4	Z	-1.8	-1.8	0	0
87	COR-PL-330-1	Z	-3.6	-3.6	0	0
88	COR-PL-330-2	Z	-3.6	-3.6	0	0
89	COR-PL-330-3	Z	-3.6	-3.6	0	0
90	COR-PL-330-4	Z	-3.6	-3.6	0	0
91	FM-0	Z	-1.4	-1.4	0	0
92	FM-120	Z	-1.4	-1.4	0	0
93	FM-240	Z	-2.9	-2.9	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0	0
95	GRATE-H-90-2	Z	-1.3	-1.3	0	0
96	GRATE-H-210-1	Z	-1.3	-1.3	0	0
97	GRATE-H-210-2	Z	-1.3	-1.3	0	0
98	GRATE-H-330-1	Z	-2.5	-2.5	0	0
99	GRATE-H-330-2	Z	-2.5	-2.5	0	0
100	HR-0	Z	-1.2	-1.2	0	0
101	HR-120	Z	-1.2	-1.2	0	0
102	HR-240	Z	-2.3	-2.3	0	0
103	KICK-1	Z	-4.1	-4.1	0	0
104	KICK-2	Z	-4.1	-4.1	0	0
105	KICK-3	Z	-4.1	-4.1	0	0
106	KICK-PL-1	Z	-4	-4	0	0
107	KICK-PL-2	Z	-4.6	-4.6	0	0
108	KICK-PL-3	Z	0	0	0	0
109	KICK-PL-4	Z	-4.6	-4.6	0	0
110	KICK-PL-5	Z	-4	-4	0	0
111	KICK-PL-6	Z	-4.6	-4.6	0	0
112	SA-1	Z	-2.2	-2.2	0	0
113	SA-2	Z	0	0	0	0
114	SA-3	Z	-2.2	-2.2	0	0
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	-3.6	-3.6	0	0
118	PL-330-2	Z	-3.6	-3.6	0	0
119	PL-210-1	Z	-1.8	-1.8	0	0
120	PL-210-2	Z	-1.8	-1.8	0	0

Member Distributed Loads (BLC 24 : Wind on Ice (270 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	0	0	0	0
2	BRACE-2	X	0	0	0	0
3	BRACE-3	X	0	0	0	0
4	CONN-PL-60-1	X	0	0	0	0
5	CONN-PL-60-2	X	0	0	0	0
6	CONN-PL-90-1	X	0	0	0	0
7	CONN-PL-90-2	X	0	0	0	0
8	CONN-PL-180-1	X	0	0	0	0
9	CONN-PL-180-2	X	0	0	0	0
10	CONN-PL-210-1	X	0	0	0	0
11	CONN-PL-210-2	X	0	0	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	0	0	0	0
15	CONN-PL-330-2	X	0	0	0	0
16	COR-1	X	0	0	0	0
17	COR-2	X	0	0	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
18	COR-3	X	0	0	0
19	COR-PL-90-1	X	0	0	0
20	COR-PL-90-2	X	0	0	0
21	COR-PL-90-3	X	0	0	0
22	COR-PL-90-4	X	0	0	0
23	COR-PL-210-1	X	0	0	0
24	COR-PL-210-2	X	0	0	0
25	COR-PL-210-3	X	0	0	0
26	COR-PL-210-4	X	0	0	0
27	COR-PL-330-1	X	0	0	0
28	COR-PL-330-2	X	0	0	0
29	COR-PL-330-3	X	0	0	0
30	COR-PL-330-4	X	0	0	0
31	FM-0	X	0	0	0
32	FM-120	X	0	0	0
33	FM-240	X	0	0	0
34	GRATE-H-90-1	X	0	0	0
35	GRATE-H-90-2	X	0	0	0
36	GRATE-H-210-1	X	0	0	0
37	GRATE-H-210-2	X	0	0	0
38	GRATE-H-330-1	X	0	0	0
39	GRATE-H-330-2	X	0	0	0
40	HR-0	X	0	0	0
41	HR-120	X	0	0	0
42	HR-240	X	0	0	0
43	KICK-1	X	0	0	0
44	KICK-2	X	0	0	0
45	KICK-3	X	0	0	0
46	KICK-PL-1	X	0	0	0
47	KICK-PL-2	X	0	0	0
48	KICK-PL-3	X	0	0	0
49	KICK-PL-4	X	0	0	0
50	KICK-PL-5	X	0	0	0
51	KICK-PL-6	X	0	0	0
52	SA-1	X	0	0	0
53	SA-2	X	0	0	0
54	SA-3	X	0	0	0
55	PL-90-1	X	0	0	0
56	PL-90-2	X	0	0	0
57	PL-330-1	X	0	0	0
58	PL-330-2	X	0	0	0
59	PL-210-1	X	0	0	0
60	PL-210-2	X	0	0	0
61	BRACE-1	Z	-2.6	-2.6	0
62	BRACE-2	Z	-2.6	-2.6	0
63	BRACE-3	Z	0	0	0
64	CONN-PL-60-1	Z	-2.1	-2.1	0
65	CONN-PL-60-2	Z	-2.1	-2.1	0
66	CONN-PL-90-1	Z	0	0	0
67	CONN-PL-90-2	Z	0	0	0
68	CONN-PL-180-1	Z	-4.2	-4.2	0
69	CONN-PL-180-2	Z	-4.2	-4.2	0
70	CONN-PL-210-1	Z	-3.6	-3.6	0
71	CONN-PL-210-2	Z	-3.6	-3.6	0
72	CONN-PL-300-1	Z	-2.1	-2.1	0
73	CONN-PL-300-2	Z	-2.1	-2.1	0
74	CONN-PL-330-1	Z	-3.6	-3.6	0



Member Distributed Loads (BLC 24 : Wind on Ice (270 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
75	CONN-PL-330-2	Z	-3.6	-3.6	0	0
76	COR-1	Z	-2	-2	0	0
77	COR-2	Z	-2	-2	0	0
78	COR-3	Z	0	0	0	0
79	COR-PL-90-1	Z	0	0	0	0
80	COR-PL-90-2	Z	0	0	0	0
81	COR-PL-90-3	Z	0	0	0	0
82	COR-PL-90-4	Z	0	0	0	0
83	COR-PL-210-1	Z	-3.6	-3.6	0	0
84	COR-PL-210-2	Z	-3.6	-3.6	0	0
85	COR-PL-210-3	Z	-3.6	-3.6	0	0
86	COR-PL-210-4	Z	-3.6	-3.6	0	0
87	COR-PL-330-1	Z	-3.6	-3.6	0	0
88	COR-PL-330-2	Z	-3.6	-3.6	0	0
89	COR-PL-330-3	Z	-3.6	-3.6	0	0
90	COR-PL-330-4	Z	-3.6	-3.6	0	0
91	FM-0	Z	0	0	0	0
92	FM-120	Z	-2.9	-2.9	0	0
93	FM-240	Z	-2.9	-2.9	0	0
94	GRATE-H-90-1	Z	0	0	0	0
95	GRATE-H-90-2	Z	0	0	0	0
96	GRATE-H-210-1	Z	-2.5	-2.5	0	0
97	GRATE-H-210-2	Z	-2.5	-2.5	0	0
98	GRATE-H-330-1	Z	-2.5	-2.5	0	0
99	GRATE-H-330-2	Z	-2.5	-2.5	0	0
100	HR-0	Z	0	0	0	0
101	HR-120	Z	-2.3	-2.3	0	0
102	HR-240	Z	-2.3	-2.3	0	0
103	KICK-1	Z	-4.8	-4.8	0	0
104	KICK-2	Z	-4.8	-4.8	0	0
105	KICK-3	Z	-4.8	-4.8	0	0
106	KICK-PL-1	Z	-2.7	-2.7	0	0
107	KICK-PL-2	Z	-5.3	-5.3	0	0
108	KICK-PL-3	Z	-2.7	-2.7	0	0
109	KICK-PL-4	Z	-5.3	-5.3	0	0
110	KICK-PL-5	Z	-5.3	-5.3	0	0
111	KICK-PL-6	Z	-5.3	-5.3	0	0
112	SA-1	Z	-1.5	-1.5	0	0
113	SA-2	Z	-1.5	-1.5	0	0
114	SA-3	Z	-3	-3	0	0
115	PL-90-1	Z	0	0	0	0
116	PL-90-2	Z	0	0	0	0
117	PL-330-1	Z	-3.6	-3.6	0	0
118	PL-330-2	Z	-3.6	-3.6	0	0
119	PL-210-1	Z	-3.6	-3.6	0	0
120	PL-210-2	Z	-3.6	-3.6	0	0

Member Distributed Loads (BLC 25 : Wind on Ice (300 deg))

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-1	X	1.5	1.5	0	0
2	BRACE-2	X	.7	.7	0	0
3	BRACE-3	X	.7	.7	0	0
4	CONN-PL-60-1	X	1.8	1.8	0	0
5	CONN-PL-60-2	X	1.8	1.8	0	0
6	CONN-PL-90-1	X	1	1	0	0
7	CONN-PL-90-2	X	1	1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
8	CONN-PL-180-1	X	1.8	1.8	0	0
9	CONN-PL-180-2	X	1.8	1.8	0	0
10	CONN-PL-210-1	X	2.1	2.1	0	0
11	CONN-PL-210-2	X	2.1	2.1	0	0
12	CONN-PL-300-1	X	0	0	0	0
13	CONN-PL-300-2	X	0	0	0	0
14	CONN-PL-330-1	X	1	1	0	0
15	CONN-PL-330-2	X	1	1	0	0
16	COR-1	X	1.2	1.2	0	0
17	COR-2	X	.6	.6	0	0
18	COR-3	X	.6	.6	0	0
19	COR-PL-90-1	X	1	1	0	0
20	COR-PL-90-2	X	1	1	0	0
21	COR-PL-90-3	X	1	1	0	0
22	COR-PL-90-4	X	1	1	0	0
23	COR-PL-210-1	X	2.1	2.1	0	0
24	COR-PL-210-2	X	2.1	2.1	0	0
25	COR-PL-210-3	X	2.1	2.1	0	0
26	COR-PL-210-4	X	2.1	2.1	0	0
27	COR-PL-330-1	X	1	1	0	0
28	COR-PL-330-2	X	1	1	0	0
29	COR-PL-330-3	X	1	1	0	0
30	COR-PL-330-4	X	1	1	0	0
31	FM-0	X	.8	.8	0	0
32	FM-120	X	1.7	1.7	0	0
33	FM-240	X	.8	.8	0	0
34	GRATE-H-90-1	X	.7	.7	0	0
35	GRATE-H-90-2	X	.7	.7	0	0
36	GRATE-H-210-1	X	1.5	1.5	0	0
37	GRATE-H-210-2	X	1.5	1.5	0	0
38	GRATE-H-330-1	X	.7	.7	0	0
39	GRATE-H-330-2	X	.7	.7	0	0
40	HR-0	X	.7	.7	0	0
41	HR-120	X	1.3	1.3	0	0
42	HR-240	X	.7	.7	0	0
43	KICK-1	X	2.4	2.4	0	0
44	KICK-2	X	2.4	2.4	0	0
45	KICK-3	X	2.4	2.4	0	0
46	KICK-PL-1	X	0	0	0	0
47	KICK-PL-2	X	2.7	2.7	0	0
48	KICK-PL-3	X	2.3	2.3	0	0
49	KICK-PL-4	X	2.7	2.7	0	0
50	KICK-PL-5	X	2.3	2.3	0	0
51	KICK-PL-6	X	2.7	2.7	0	0
52	SA-1	X	0	0	0	0
53	SA-2	X	1.3	1.3	0	0
54	SA-3	X	1.3	1.3	0	0
55	PL-90-1	X	1	1	0	0
56	PL-90-2	X	1	1	0	0
57	PL-330-1	X	1	1	0	0
58	PL-330-2	X	1	1	0	0
59	PL-210-1	X	2.1	2.1	0	0
60	PL-210-2	X	2.1	2.1	0	0
61	BRACE-1	Z	-2.6	-2.6	0	0
62	BRACE-2	Z	-1.3	-1.3	0	0
63	BRACE-3	Z	-1.3	-1.3	0	0
64	CONN-PL-60-1	Z	-3.1	-3.1	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

May 16, 2022
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Member Distributed Loads (BLC 25 : Wind on Ice (300 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
65	CONN-PL-60-2	Z	-3.1	-3.1	0	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0	0
68	CONN-PL-180-1	Z	-3.1	-3.1	0	0
69	CONN-PL-180-2	Z	-3.1	-3.1	0	0
70	CONN-PL-210-1	Z	-3.6	-3.6	0	0
71	CONN-PL-210-2	Z	-3.6	-3.6	0	0
72	CONN-PL-300-1	Z	0	0	0	0
73	CONN-PL-300-2	Z	0	0	0	0
74	CONN-PL-330-1	Z	-1.8	-1.8	0	0
75	CONN-PL-330-2	Z	-1.8	-1.8	0	0
76	COR-1	Z	-2	-2	0	0
77	COR-2	Z	-1	-1	0	0
78	COR-3	Z	-1	-1	0	0
79	COR-PL-90-1	Z	-1.8	-1.8	0	0
80	COR-PL-90-2	Z	-1.8	-1.8	0	0
81	COR-PL-90-3	Z	-1.8	-1.8	0	0
82	COR-PL-90-4	Z	-1.8	-1.8	0	0
83	COR-PL-210-1	Z	-3.6	-3.6	0	0
84	COR-PL-210-2	Z	-3.6	-3.6	0	0
85	COR-PL-210-3	Z	-3.6	-3.6	0	0
86	COR-PL-210-4	Z	-3.6	-3.6	0	0
87	COR-PL-330-1	Z	-1.8	-1.8	0	0
88	COR-PL-330-2	Z	-1.8	-1.8	0	0
89	COR-PL-330-3	Z	-1.8	-1.8	0	0
90	COR-PL-330-4	Z	-1.8	-1.8	0	0
91	FM-0	Z	-1.4	-1.4	0	0
92	FM-120	Z	-2.9	-2.9	0	0
93	FM-240	Z	-1.4	-1.4	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0	0
95	GRATE-H-90-2	Z	-1.3	-1.3	0	0
96	GRATE-H-210-1	Z	-2.5	-2.5	0	0
97	GRATE-H-210-2	Z	-2.5	-2.5	0	0
98	GRATE-H-330-1	Z	-1.3	-1.3	0	0
99	GRATE-H-330-2	Z	-1.3	-1.3	0	0
100	HR-0	Z	-1.2	-1.2	0	0
101	HR-120	Z	-2.3	-2.3	0	0
102	HR-240	Z	-1.2	-1.2	0	0
103	KICK-1	Z	-4.1	-4.1	0	0
104	KICK-2	Z	-4.1	-4.1	0	0
105	KICK-3	Z	-4.1	-4.1	0	0
106	KICK-PL-1	Z	0	0	0	0
107	KICK-PL-2	Z	-4.6	-4.6	0	0
108	KICK-PL-3	Z	-4	-4	0	0
109	KICK-PL-4	Z	-4.6	-4.6	0	0
110	KICK-PL-5	Z	-4	-4	0	0
111	KICK-PL-6	Z	-4.6	-4.6	0	0
112	SA-1	Z	0	0	0	0
113	SA-2	Z	-2.2	-2.2	0	0
114	SA-3	Z	-2.2	-2.2	0	0
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	-1.8	-1.8	0	0
118	PL-330-2	Z	-1.8	-1.8	0	0
119	PL-210-1	Z	-3.6	-3.6	0	0
120	PL-210-2	Z	-3.6	-3.6	0	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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 Checked By: DHK

Member Distributed Loads (BLC 26 : Wind on Ice (330 deg))

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1 BRACE-1	X	2.2	2.2	0	0
2 BRACE-2	X	0	0	0	0
3 BRACE-3	X	2.2	2.2	0	0
4 CONN-PL-60-1	X	3.6	3.6	0	0
5 CONN-PL-60-2	X	3.6	3.6	0	0
6 CONN-PL-90-1	X	3.1	3.1	0	0
7 CONN-PL-90-2	X	3.1	3.1	0	0
8 CONN-PL-180-1	X	1.8	1.8	0	0
9 CONN-PL-180-2	X	1.8	1.8	0	0
10 CONN-PL-210-1	X	3.1	3.1	0	0
11 CONN-PL-210-2	X	3.1	3.1	0	0
12 CONN-PL-300-1	X	1.8	1.8	0	0
13 CONN-PL-300-2	X	1.8	1.8	0	0
14 CONN-PL-330-1	X	0	0	0	0
15 CONN-PL-330-2	X	0	0	0	0
16 COR-1	X	1.8	1.8	0	0
17 COR-2	X	0	0	0	0
18 COR-3	X	1.8	1.8	0	0
19 COR-PL-90-1	X	3.1	3.1	0	0
20 COR-PL-90-2	X	3.1	3.1	0	0
21 COR-PL-90-3	X	3.1	3.1	0	0
22 COR-PL-90-4	X	3.1	3.1	0	0
23 COR-PL-210-1	X	3.1	3.1	0	0
24 COR-PL-210-2	X	3.1	3.1	0	0
25 COR-PL-210-3	X	3.1	3.1	0	0
26 COR-PL-210-4	X	3.1	3.1	0	0
27 COR-PL-330-1	X	0	0	0	0
28 COR-PL-330-2	X	0	0	0	0
29 COR-PL-330-3	X	0	0	0	0
30 COR-PL-330-4	X	0	0	0	0
31 FM-0	X	2.5	2.5	0	0
32 FM-120	X	2.5	2.5	0	0
33 FM-240	X	0	0	0	0
34 GRATE-H-90-1	X	2.2	2.2	0	0
35 GRATE-H-90-2	X	2.2	2.2	0	0
36 GRATE-H-210-1	X	2.2	2.2	0	0
37 GRATE-H-210-2	X	2.2	2.2	0	0
38 GRATE-H-330-1	X	0	0	0	0
39 GRATE-H-330-2	X	0	0	0	0
40 HR-0	X	2	2	0	0
41 HR-120	X	2	2	0	0
42 HR-240	X	0	0	0	0
43 KICK-1	X	4.1	4.1	0	0
44 KICK-2	X	4.1	4.1	0	0
45 KICK-3	X	4.1	4.1	0	0
46 KICK-PL-1	X	2.3	2.3	0	0
47 KICK-PL-2	X	4.6	4.6	0	0
48 KICK-PL-3	X	4.6	4.6	0	0
49 KICK-PL-4	X	4.6	4.6	0	0
50 KICK-PL-5	X	2.3	2.3	0	0
51 KICK-PL-6	X	4.6	4.6	0	0
52 SA-1	X	1.3	1.3	0	0
53 SA-2	X	2.6	2.6	0	0
54 SA-3	X	1.3	1.3	0	0
55 PL-90-1	X	3.1	3.1	0	0
56 PL-90-2	X	3.1	3.1	0	0
57 PL-330-1	X	0	0	0	0



Member Distributed Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
58	PL-330-2	X	0	0	0
59	PL-210-1	X	3.1	3.1	0
60	PL-210-2	X	3.1	3.1	0
61	BRACE-1	Z	-1.3	-1.3	0
62	BRACE-2	Z	0	0	0
63	BRACE-3	Z	-1.3	-1.3	0
64	CONN-PL-60-1	Z	-2.1	-2.1	0
65	CONN-PL-60-2	Z	-2.1	-2.1	0
66	CONN-PL-90-1	Z	-1.8	-1.8	0
67	CONN-PL-90-2	Z	-1.8	-1.8	0
68	CONN-PL-180-1	Z	-1	-1	0
69	CONN-PL-180-2	Z	-1	-1	0
70	CONN-PL-210-1	Z	-1.8	-1.8	0
71	CONN-PL-210-2	Z	-1.8	-1.8	0
72	CONN-PL-300-1	Z	-1	-1	0
73	CONN-PL-300-2	Z	-1	-1	0
74	CONN-PL-330-1	Z	0	0	0
75	CONN-PL-330-2	Z	0	0	0
76	COR-1	Z	-1	-1	0
77	COR-2	Z	0	0	0
78	COR-3	Z	-1	-1	0
79	COR-PL-90-1	Z	-1.8	-1.8	0
80	COR-PL-90-2	Z	-1.8	-1.8	0
81	COR-PL-90-3	Z	-1.8	-1.8	0
82	COR-PL-90-4	Z	-1.8	-1.8	0
83	COR-PL-210-1	Z	-1.8	-1.8	0
84	COR-PL-210-2	Z	-1.8	-1.8	0
85	COR-PL-210-3	Z	-1.8	-1.8	0
86	COR-PL-210-4	Z	-1.8	-1.8	0
87	COR-PL-330-1	Z	0	0	0
88	COR-PL-330-2	Z	0	0	0
89	COR-PL-330-3	Z	0	0	0
90	COR-PL-330-4	Z	0	0	0
91	FM-0	Z	-1.4	-1.4	0
92	FM-120	Z	-1.4	-1.4	0
93	FM-240	Z	0	0	0
94	GRATE-H-90-1	Z	-1.3	-1.3	0
95	GRATE-H-90-2	Z	-1.3	-1.3	0
96	GRATE-H-210-1	Z	-1.3	-1.3	0
97	GRATE-H-210-2	Z	-1.3	-1.3	0
98	GRATE-H-330-1	Z	0	0	0
99	GRATE-H-330-2	Z	0	0	0
100	HR-0	Z	-1.2	-1.2	0
101	HR-120	Z	-1.2	-1.2	0
102	HR-240	Z	0	0	0
103	KICK-1	Z	-2.4	-2.4	0
104	KICK-2	Z	-2.4	-2.4	0
105	KICK-3	Z	-2.4	-2.4	0
106	KICK-PL-1	Z	-1.3	-1.3	0
107	KICK-PL-2	Z	-2.7	-2.7	0
108	KICK-PL-3	Z	-2.7	-2.7	0
109	KICK-PL-4	Z	-2.7	-2.7	0
110	KICK-PL-5	Z	-1.3	-1.3	0
111	KICK-PL-6	Z	-2.7	-2.7	0
112	SA-1	Z	-7	-7	0
113	SA-2	Z	-1.5	-1.5	0
114	SA-3	Z	-7	-7	0



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 26 : Wind on Ice (330 deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
115	PL-90-1	Z	-1.8	-1.8	0	0
116	PL-90-2	Z	-1.8	-1.8	0	0
117	PL-330-1	Z	0	0	0	0
118	PL-330-2	Z	0	0	0	0
119	PL-210-1	Z	-1.8	-1.8	0	0
120	PL-210-2	Z	-1.8	-1.8	0	0

Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
1	BRACE-2	Y	-0.002	-1.106	0	4.142
2	BRACE-2	Y	-1.106	-3.369	4.142	8.284
3	BRACE-2	Y	-3.369	-7.708	8.284	12.426
4	BRACE-2	Y	-7.708	-11.112	12.426	16.569
5	BRACE-2	Y	-11.112	-15.214	16.569	20.711
6	BRACE-2	Y	-15.214	-19.648	20.711	24.853
7	BRACE-2	Y	-19.648	-24.207	24.853	28.995
8	BRACE-2	Y	-24.207	-29.448	28.995	33.137
9	BRACE-2	Y	-29.448	-35.087	33.137	37.279
10	BRACE-2	Y	-35.087	-41.21	37.279	41.422
11	BRACE-2	Y	-41.21	-47.689	41.422	45.564
12	BRACE-2	Y	-47.689	-54.401	45.564	49.706
13	BRACE-2	Y	-54.401	-61.307	49.706	53.848
14	GRATE-H-90-2	Y	-0.009	-1.143	0	4.226
15	GRATE-H-90-2	Y	-1.143	-3.369	4.226	8.453
16	GRATE-H-90-2	Y	-3.369	-7.498	8.453	12.679
17	GRATE-H-90-2	Y	-7.498	-12.6	12.679	16.906
18	GRATE-H-90-2	Y	-12.6	-19.737	16.906	21.132
19	GRATE-H-90-2	Y	-19.737	-27.924	21.132	25.359
20	GRATE-H-90-2	Y	-27.924	-37.123	25.359	29.585
21	GRATE-H-90-2	Y	-37.123	-47.225	29.585	33.811
22	GRATE-H-90-2	Y	-47.225	-58.209	33.811	38.038
23	GRATE-H-90-2	Y	-58.209	-70.813	38.038	42.264
24	GRATE-H-90-2	Y	-70.813	-84.342	42.264	46.491
25	GRATE-H-90-2	Y	-84.342	-99.025	46.491	50.717
26	GRATE-H-210-1	Y	-0.006	-1.14	0	4.226
27	GRATE-H-210-1	Y	-1.14	-3.369	4.226	8.453
28	GRATE-H-210-1	Y	-3.369	-7.499	8.453	12.679
29	GRATE-H-210-1	Y	-7.499	-12.61	12.679	16.906
30	GRATE-H-210-1	Y	-12.61	-19.775	16.906	21.132
31	GRATE-H-210-1	Y	-19.775	-27.922	21.132	25.358
32	GRATE-H-210-1	Y	-27.922	-37.166	25.358	29.585
33	GRATE-H-210-1	Y	-37.166	-47.288	29.585	33.811
34	GRATE-H-210-1	Y	-47.288	-58.042	33.811	38.038
35	GRATE-H-210-1	Y	-58.042	-69.638	38.038	42.264
36	GRATE-H-210-1	Y	-69.638	-82.284	42.264	46.49
37	GRATE-H-210-1	Y	-82.284	-96.006	46.49	50.717
38	SA-2	Y	-0.058	-1.325	0	4.15
39	SA-2	Y	-1.325	-3.631	4.15	8.3
40	SA-2	Y	-3.631	-7.11	8.3	12.45
41	SA-2	Y	-7.11	-11.423	12.45	16.6
42	SA-2	Y	-11.423	-15.646	16.6	20.75
43	SA-2	Y	-15.646	-19.988	20.75	24.9
44	SA-2	Y	-19.988	-24.293	24.9	29.05
45	SA-2	Y	-24.293	-28.484	29.05	33.2
46	SA-2	Y	-28.484	-32.894	33.2	37.35
47	SA-2	Y	-32.894	-37.798	37.35	41.5



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
48	SA-2	Y	-.798	-.163	41.5	45.65
49	SA-2	Y	-.163	-.006	45.65	49.8
50	BRACE-3	Y	-.002	-.106	0	4.142
51	BRACE-3	Y	-.106	-.369	4.142	8.284
52	BRACE-3	Y	-.369	-.708	8.284	12.426
53	BRACE-3	Y	-.708	-1.112	12.426	16.569
54	BRACE-3	Y	-1.112	-1.214	16.569	20.711
55	BRACE-3	Y	-1.214	-.648	20.711	24.853
56	BRACE-3	Y	-.648	-.207	24.853	28.995
57	BRACE-3	Y	-.207	-.448	28.995	33.137
58	BRACE-3	Y	-.448	-1.087	33.137	37.279
59	BRACE-3	Y	-1.087	-1.21	37.279	41.422
60	BRACE-3	Y	-1.21	-.689	41.422	45.564
61	BRACE-3	Y	-.689	-.401	45.564	49.706
62	BRACE-3	Y	-.401	-.307	49.706	53.848
63	GRATE-H-210-2	Y	-.009	-.143	0	4.226
64	GRATE-H-210-2	Y	-.143	-.369	4.226	8.453
65	GRATE-H-210-2	Y	-.369	-.498	8.453	12.679
66	GRATE-H-210-2	Y	-.498	-.599	12.679	16.906
67	GRATE-H-210-2	Y	-.599	-.738	16.906	21.132
68	GRATE-H-210-2	Y	-.738	-.925	21.132	25.359
69	GRATE-H-210-2	Y	-.925	-1.122	25.359	29.585
70	GRATE-H-210-2	Y	-1.122	-1.224	29.585	33.811
71	GRATE-H-210-2	Y	-1.224	-1.208	33.811	38.038
72	GRATE-H-210-2	Y	-1.208	-.813	38.038	42.264
73	GRATE-H-210-2	Y	-.813	-.342	42.264	46.491
74	GRATE-H-210-2	Y	-.342	-.025	46.491	50.717
75	GRATE-H-330-1	Y	-.006	-.14	0	4.226
76	GRATE-H-330-1	Y	-.14	-.369	4.226	8.453
77	GRATE-H-330-1	Y	-.369	-.499	8.453	12.679
78	GRATE-H-330-1	Y	-.499	-.61	12.679	16.906
79	GRATE-H-330-1	Y	-.61	-.775	16.906	21.132
80	GRATE-H-330-1	Y	-.775	-.922	21.132	25.358
81	GRATE-H-330-1	Y	-.922	-1.166	25.358	29.585
82	GRATE-H-330-1	Y	-1.166	-1.288	29.585	33.811
83	GRATE-H-330-1	Y	-1.288	-1.042	33.811	38.038
84	GRATE-H-330-1	Y	-1.042	-.638	38.038	42.264
85	GRATE-H-330-1	Y	-.638	-.284	42.264	46.49
86	GRATE-H-330-1	Y	-.284	-.006	46.49	50.717
87	SA-3	Y	-.058	-.325	0	4.15
88	SA-3	Y	-.325	-.631	4.15	8.3
89	SA-3	Y	-.631	-.1	8.3	12.45
90	SA-3	Y	-.1	-1.422	12.45	16.6
91	SA-3	Y	-1.422	-1.646	16.6	20.75
92	SA-3	Y	-1.646	-1.99	20.75	24.9
93	SA-3	Y	-1.99	-2.294	24.9	29.05
94	SA-3	Y	-2.294	-2.483	29.05	33.2
95	SA-3	Y	-2.483	-1.893	33.2	37.35
96	SA-3	Y	-1.893	-.798	37.35	41.5
97	SA-3	Y	-.798	-.163	41.5	45.65
98	SA-3	Y	-.163	-.006	45.65	49.8
99	BRACE-1	Y	-.002	-.106	0	4.142
100	BRACE-1	Y	-.106	-.369	4.142	8.284
101	BRACE-1	Y	-.369	-.708	8.284	12.426
102	BRACE-1	Y	-.708	-1.112	12.426	16.569
103	BRACE-1	Y	-1.112	-1.214	16.569	20.711
104	BRACE-1	Y	-1.214	-.648	20.711	24.853



Member Distributed Loads (BLC 213 : BLC 1 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
105	BRACE-1	Y	- .648	- .207	24.853	28.995
106	BRACE-1	Y	- .207	- .448	28.995	33.137
107	BRACE-1	Y	- .448	- 1.087	33.137	37.279
108	BRACE-1	Y	- 1.087	- 1.21	37.279	41.422
109	BRACE-1	Y	- 1.21	- .689	41.422	45.564
110	BRACE-1	Y	- .689	- .401	45.564	49.706
111	BRACE-1	Y	- .401	- .307	49.706	53.848
112	GRATE-H-90-1	Y	- .006	- .14	0	4.226
113	GRATE-H-90-1	Y	- .14	- .369	4.226	8.453
114	GRATE-H-90-1	Y	- .369	- .499	8.453	12.679
115	GRATE-H-90-1	Y	- .499	- .61	12.679	16.906
116	GRATE-H-90-1	Y	- .61	- .775	16.906	21.132
117	GRATE-H-90-1	Y	- .775	- .922	21.132	25.358
118	GRATE-H-90-1	Y	- .922	- 1.166	25.358	29.585
119	GRATE-H-90-1	Y	- 1.166	- 1.288	29.585	33.811
120	GRATE-H-90-1	Y	- 1.288	- 1.042	33.811	38.038
121	GRATE-H-90-1	Y	- 1.042	- .638	38.038	42.264
122	GRATE-H-90-1	Y	- .638	- .284	42.264	46.49
123	GRATE-H-90-1	Y	- .284	- .006	46.49	50.717
124	GRATE-H-330-2	Y	- .009	- .143	0	4.226
125	GRATE-H-330-2	Y	- .143	- .369	4.226	8.453
126	GRATE-H-330-2	Y	- .369	- .498	8.453	12.679
127	GRATE-H-330-2	Y	- .498	- .599	12.679	16.906
128	GRATE-H-330-2	Y	- .599	- .738	16.906	21.132
129	GRATE-H-330-2	Y	- .738	- .925	21.132	25.359
130	GRATE-H-330-2	Y	- .925	- 1.122	25.359	29.585
131	GRATE-H-330-2	Y	- 1.122	- 1.224	29.585	33.811
132	GRATE-H-330-2	Y	- 1.224	- 1.208	33.811	38.038
133	GRATE-H-330-2	Y	- 1.208	- .813	38.038	42.264
134	GRATE-H-330-2	Y	- .813	- .342	42.264	46.491
135	GRATE-H-330-2	Y	- .342	- .025	46.491	50.717
136	SA-1	Y	- .058	- .325	0	4.15
137	SA-1	Y	- .325	- .631	4.15	8.3
138	SA-1	Y	- .631	- 1.1	8.3	12.45
139	SA-1	Y	- 1.1	- 1.422	12.45	16.6
140	SA-1	Y	- 1.422	- 1.646	16.6	20.75
141	SA-1	Y	- 1.646	- 1.99	20.75	24.9
142	SA-1	Y	- 1.99	- 2.294	24.9	29.05
143	SA-1	Y	- 2.294	- 2.483	29.05	33.2
144	SA-1	Y	- 2.483	- 1.893	33.2	37.35
145	SA-1	Y	- 1.893	- .798	37.35	41.5
146	SA-1	Y	- .798	- .163	41.5	45.65
147	SA-1	Y	- .163	- .006	45.65	49.8

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads)

Member Label	Direction	Start Magnitude[lb/ft.F.psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
1	BRACE-2	Y	- .011	- .65	0	4.142
2	BRACE-2	Y	- .65	- 2.267	4.142	8.284
3	BRACE-2	Y	- 2.267	- 4.348	8.284	12.426
4	BRACE-2	Y	- 4.348	- 6.829	12.426	16.569
5	BRACE-2	Y	- 6.829	- 7.457	16.569	20.711
6	BRACE-2	Y	- 7.457	- 3.979	20.711	24.853
7	BRACE-2	Y	- 3.979	- 1.273	24.853	28.995
8	BRACE-2	Y	- 1.273	- 2.749	28.995	33.137
9	BRACE-2	Y	- 2.749	- 6.678	33.137	37.279
10	BRACE-2	Y	- 6.678	- 7.435	37.279	41.422



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
11	BRACE-2	Y	-7.435	-4.233	41.422	45.564
12	BRACE-2	Y	-4.233	-2.461	45.564	49.706
13	BRACE-2	Y	-2.461	-1.887	49.706	53.848
14	GRATE-H-90-2	Y	-.052	-.876	0	4.226
15	GRATE-H-90-2	Y	-.876	-2.268	4.226	8.453
16	GRATE-H-90-2	Y	-2.268	-3.056	8.453	12.679
17	GRATE-H-90-2	Y	-3.056	-3.683	12.679	16.906
18	GRATE-H-90-2	Y	-3.683	-4.529	16.906	21.132
19	GRATE-H-90-2	Y	-4.529	-5.678	21.132	25.359
20	GRATE-H-90-2	Y	-5.678	-6.897	25.359	29.585
21	GRATE-H-90-2	Y	-6.897	-7.526	29.585	33.811
22	GRATE-H-90-2	Y	-7.526	-7.425	33.811	38.038
23	GRATE-H-90-2	Y	-7.425	-4.995	38.038	42.264
24	GRATE-H-90-2	Y	-4.995	-2.098	42.264	46.491
25	GRATE-H-90-2	Y	-2.098	-.152	46.491	50.717
26	GRATE-H-210-1	Y	-.037	-.86	0	4.226
27	GRATE-H-210-1	Y	-.86	-2.264	4.226	8.453
28	GRATE-H-210-1	Y	-2.264	-3.067	8.453	12.679
29	GRATE-H-210-1	Y	-3.067	-3.75	12.679	16.906
30	GRATE-H-210-1	Y	-3.75	-4.758	16.906	21.132
31	GRATE-H-210-1	Y	-4.758	-5.666	21.132	25.358
32	GRATE-H-210-1	Y	-5.666	-7.161	25.358	29.585
33	GRATE-H-210-1	Y	-7.161	-7.914	29.585	33.811
34	GRATE-H-210-1	Y	-7.914	-6.402	33.811	38.038
35	GRATE-H-210-1	Y	-6.402	-3.921	38.038	42.264
36	GRATE-H-210-1	Y	-3.921	-1.743	42.264	46.49
37	GRATE-H-210-1	Y	-1.743	-.037	46.49	50.717
38	SA-2	Y	-.356	-1.998	0	4.15
39	SA-2	Y	-1.998	-3.874	4.15	8.3
40	SA-2	Y	-3.874	-6.76	8.3	12.45
41	SA-2	Y	-6.76	-8.739	12.45	16.6
42	SA-2	Y	-8.739	-10.11	16.6	20.75
43	SA-2	Y	-10.11	-12.214	20.75	24.9
44	SA-2	Y	-12.214	-14.086	24.9	29.05
45	SA-2	Y	-14.086	-15.256	29.05	33.2
46	SA-2	Y	-15.256	-11.632	33.2	37.35
47	SA-2	Y	-11.632	-4.899	37.35	41.5
48	SA-2	Y	-4.899	-1.001	41.5	45.65
49	SA-2	Y	-1.001	-.034	45.65	49.8
50	BRACE-3	Y	-.011	-.65	0	4.142
51	BRACE-3	Y	-.65	-2.267	4.142	8.284
52	BRACE-3	Y	-2.267	-4.348	8.284	12.426
53	BRACE-3	Y	-4.348	-6.829	12.426	16.569
54	BRACE-3	Y	-6.829	-7.457	16.569	20.711
55	BRACE-3	Y	-7.457	-3.979	20.711	24.853
56	BRACE-3	Y	-3.979	-1.273	24.853	28.995
57	BRACE-3	Y	-1.273	-2.749	28.995	33.137
58	BRACE-3	Y	-2.749	-6.678	33.137	37.279
59	BRACE-3	Y	-6.678	-7.434	37.279	41.422
60	BRACE-3	Y	-7.434	-4.232	41.422	45.564
61	BRACE-3	Y	-4.232	-2.461	45.564	49.706
62	BRACE-3	Y	-2.461	-1.887	49.706	53.848
63	GRATE-H-210-2	Y	-.052	-.876	0	4.226
64	GRATE-H-210-2	Y	-.876	-2.268	4.226	8.453
65	GRATE-H-210-2	Y	-2.268	-3.056	8.453	12.679
66	GRATE-H-210-2	Y	-3.056	-3.682	12.679	16.906
67	GRATE-H-210-2	Y	-3.682	-4.532	16.906	21.132

Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]	
68	GRATE-H-210-2	Y	-4.532	-5.68	21.132	25.359
69	GRATE-H-210-2	Y	-5.68	-6.892	25.359	29.585
70	GRATE-H-210-2	Y	-6.892	-7.521	29.585	33.811
71	GRATE-H-210-2	Y	-7.521	-7.423	33.811	38.038
72	GRATE-H-210-2	Y	-7.423	-4.995	38.038	42.264
73	GRATE-H-210-2	Y	-4.995	-2.098	42.264	46.491
74	GRATE-H-210-2	Y	-2.098	-.152	46.491	50.717
75	GRATE-H-330-1	Y	-.037	-.86	0	4.226
76	GRATE-H-330-1	Y	-.86	-2.264	4.226	8.453
77	GRATE-H-330-1	Y	-2.264	-3.067	8.453	12.679
78	GRATE-H-330-1	Y	-3.067	-3.75	12.679	16.906
79	GRATE-H-330-1	Y	-3.75	-4.758	16.906	21.132
80	GRATE-H-330-1	Y	-4.758	-5.666	21.132	25.358
81	GRATE-H-330-1	Y	-5.666	-7.161	25.358	29.585
82	GRATE-H-330-1	Y	-7.161	-7.914	29.585	33.811
83	GRATE-H-330-1	Y	-7.914	-6.402	33.811	38.038
84	GRATE-H-330-1	Y	-6.402	-3.921	38.038	42.264
85	GRATE-H-330-1	Y	-3.921	-1.743	42.264	46.49
86	GRATE-H-330-1	Y	-1.743	-.037	46.49	50.717
87	SA-3	Y	-.356	-1.998	0	4.15
88	SA-3	Y	-1.998	-3.874	4.15	8.3
89	SA-3	Y	-3.874	-6.759	8.3	12.45
90	SA-3	Y	-6.759	-8.735	12.45	16.6
91	SA-3	Y	-8.735	-10.113	16.6	20.75
92	SA-3	Y	-10.113	-12.223	20.75	24.9
93	SA-3	Y	-12.223	-14.089	24.9	29.05
94	SA-3	Y	-14.089	-15.255	29.05	33.2
95	SA-3	Y	-15.255	-11.631	33.2	37.35
96	SA-3	Y	-11.631	-4.899	37.35	41.5
97	SA-3	Y	-4.899	-1.001	41.5	45.65
98	SA-3	Y	-1.001	-.034	45.65	49.8
99	BRACE-1	Y	-.011	-.65	0	4.142
100	BRACE-1	Y	-.65	-2.267	4.142	8.284
101	BRACE-1	Y	-2.267	-4.348	8.284	12.426
102	BRACE-1	Y	-4.348	-6.829	12.426	16.569
103	BRACE-1	Y	-6.829	-7.457	16.569	20.711
104	BRACE-1	Y	-7.457	-3.979	20.711	24.853
105	BRACE-1	Y	-3.979	-1.273	24.853	28.995
106	BRACE-1	Y	-1.273	-2.749	28.995	33.137
107	BRACE-1	Y	-2.749	-6.678	33.137	37.279
108	BRACE-1	Y	-6.678	-7.434	37.279	41.422
109	BRACE-1	Y	-7.434	-4.232	41.422	45.564
110	BRACE-1	Y	-4.232	-2.461	45.564	49.706
111	BRACE-1	Y	-2.461	-1.887	49.706	53.848
112	GRATE-H-90-1	Y	-.037	-.86	0	4.226
113	GRATE-H-90-1	Y	-.86	-2.264	4.226	8.453
114	GRATE-H-90-1	Y	-2.264	-3.067	8.453	12.679
115	GRATE-H-90-1	Y	-3.067	-3.75	12.679	16.906
116	GRATE-H-90-1	Y	-3.75	-4.758	16.906	21.132
117	GRATE-H-90-1	Y	-4.758	-5.666	21.132	25.358
118	GRATE-H-90-1	Y	-5.666	-7.161	25.358	29.585
119	GRATE-H-90-1	Y	-7.161	-7.914	29.585	33.811
120	GRATE-H-90-1	Y	-7.914	-6.402	33.811	38.038
121	GRATE-H-90-1	Y	-6.402	-3.921	38.038	42.264
122	GRATE-H-90-1	Y	-3.921	-1.743	42.264	46.49
123	GRATE-H-90-1	Y	-1.743	-.037	46.49	50.717
124	GRATE-H-330-2	Y	-.052	-.876	0	4.226



Member Distributed Loads (BLC 214 : BLC 14 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude...	Start Location[in, %]	End Location[in, %]
125	GRATE-H-330-2	Y	- .876	-2.268	4.226	8.453
126	GRATE-H-330-2	Y	-2.268	-3.056	8.453	12.679
127	GRATE-H-330-2	Y	-3.056	-3.682	12.679	16.906
128	GRATE-H-330-2	Y	-3.682	-4.532	16.906	21.132
129	GRATE-H-330-2	Y	-4.532	-5.68	21.132	25.359
130	GRATE-H-330-2	Y	-5.68	-6.892	25.359	29.585
131	GRATE-H-330-2	Y	-6.892	-7.521	29.585	33.811
132	GRATE-H-330-2	Y	-7.521	-7.423	33.811	38.038
133	GRATE-H-330-2	Y	-7.423	-4.995	38.038	42.264
134	GRATE-H-330-2	Y	-4.995	-2.098	42.264	46.491
135	GRATE-H-330-2	Y	-2.098	-1.152	46.491	50.717
136	SA-1	Y	- .356	-1.998	0	4.15
137	SA-1	Y	-1.998	-3.874	4.15	8.3
138	SA-1	Y	-3.874	-6.759	8.3	12.45
139	SA-1	Y	-6.759	-8.735	12.45	16.6
140	SA-1	Y	-8.735	-10.113	16.6	20.75
141	SA-1	Y	-10.113	-12.223	20.75	24.9
142	SA-1	Y	-12.223	-14.089	24.9	29.05
143	SA-1	Y	-14.089	-15.255	29.05	33.2
144	SA-1	Y	-15.255	-11.631	33.2	37.35
145	SA-1	Y	-11.631	-4.899	37.35	41.5
146	SA-1	Y	-4.899	-1.001	41.5	45.65
147	SA-1	Y	-1.001	-.034	45.65	49.8

Member Area Loads (BLC 1 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N117	N118	N113		Y	Two Way	-1.75
2	N9	N13	N14		Y	Two Way	-1.75
3	N140	N135	N139		Y	Two Way	-1.75

Member Area Loads (BLC 14 : Ice Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N117	N118	N113		Y	Two Way	-10.75
2	N9	N13	N14		Y	Two Way	-10.75
3	N140	N135	N139		Y	Two Way	-10.75

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...Surface(...
1	Dead Load	None		-1			19		3
2	Wind Load (0 deg)	None					41	120	
3	Wind Load (30 deg)	None					41	120	
4	Wind Load (60 deg)	None					41	120	
5	Wind Load (90 deg)	None					41	120	
6	Wind Load (120 deg)	None					41	120	
7	Wind Load (150 deg)	None					41	120	
8	Wind Load (180 deg)	None					41	120	
9	Wind Load (210 deg)	None					41	120	
10	Wind Load (240 deg)	None					41	120	
11	Wind Load (270 deg)	None					41	120	
12	Wind Load (300 deg)	None					41	120	
13	Wind Load (330 deg)	None					41	120	
14	Ice Load	None					19	60	3
15	Wind on Ice (0 deg)	None					41	120	



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
16	Wind on Ice (30 deg)	None					41	120		
17	Wind on Ice (60 deg)	None					41	120		
18	Wind on Ice (90 deg)	None					41	120		
19	Wind on Ice (120 deg)	None					41	120		
20	Wind on Ice (150 deg)	None					41	120		
21	Wind on Ice (180 deg)	None					41	120		
22	Wind on Ice (210 deg)	None					41	120		
23	Wind on Ice (240 deg)	None					41	120		
24	Wind on Ice (270 deg)	None					41	120		
25	Wind on Ice (300 deg)	None					41	120		
26	Wind on Ice (330 deg)	None					41	120		
27	Horizontal Seismic, Eh (0)	None	1				38			
28	Horizontal Seismic, Eh (30)	None	.866		.5		38			
29	Horizontal Seismic, Eh (60)	None	.5		.866		38			
30	Horizontal Seismic, Eh (90)	None			1		38			
31	Horizontal Seismic, Eh (120)	None	-.5		.866		38			
32	Horizontal Seismic, Eh (150)	None	-.866		.5		38			
33	Horizontal Seismic, Eh (180)	None	-1				38			
34	Horizontal Seismic, Eh (210)	None	-.866		-.5		38			
35	Horizontal Seismic, Eh (240)	None	-.5		-.866		38			
36	Horizontal Seismic, Eh (270)	None			-1		38			
37	Horizontal Seismic, Eh (300)	None	.5		-.866		38			
38	Horizontal Seismic, Eh (330)	None	.866		-.5		38			
39	Maintenance Load, Lm (MP1)	None					1			
40	Maintenance Load, Lm (MP2)	None					1			
41	Maintenance Load, Lm (MP3)	None					1			
42	Maintenance Load, Lm (MP4)	None					1			
43	Maintenance Load, Lm (MP5)	None					1			
44	Maintenance Load, Lm (MP6)	None					1			
45	Maintenance Load, Lm (MP7)	None					1			
46	Maintenance Load, Lm (MP8)	None					1			
47	Maintenance Load, Lm (MP9)	None					1			
48	Maintenance Load, Lm (MP10)	None					1			
49	Maintenance Load, Lm (MP11)	None					1			
50	Maintenance Load, Lm (MP12)	None					1			
51	Maintenance Load, Lm (MP13)	None								
52	Maintenance Load, Lm (MP14)	None								
53	Maintenance Load, Lm (MP15)	None								
54	Maintenance Load, Lm (MP16)	None								
55	Maintenance Load, Lm (MP17)	None								
56	Maintenance Load, Lm (MP18)	None								
57	Maintenance Load, Lm (MP19)	None								
58	Maintenance Load, Lm (MP20)	None								
59	Maintenance Load, Lm (MP21)	None								
60	Maintenance Load, Lm (MP22)	None								
61	Maintenance Load, Lm (MP23)	None								
62	Maintenance Load, Lm (MP24)	None								
63	Maintenance Load, Lm (MP25)	None								
64	Maintenance Load, Lm (MP26)	None								
65	Maintenance Load, Lm (MP27)	None								
66	Maintenance Load, Lm (MP28)	None								
67	Maintenance Load, Lm (MP29)	None								
68	Maintenance Load, Lm (MP30)	None								
69	Maintenance Load, Lm (MP31)	None								
70	Maintenance Load, Lm (MP32)	None								
71	Maintenance Load, Lm (MP33)	None								
72	Maintenance Load, Lm (MP34)	None								



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
73	Maintenance Load, Lm (MP35)	None							
74	Maintenance Load, Lm (MP36)	None							
75	Maintenance Load, Lv (Pos. 1)	None				1			
76	Maintenance Load, Lv (Pos. 2)	None				1			
77	Maintenance Load, Lv (Pos. 3)	None				1			
78	Maintenance Load, Lv (Pos. 4)	None				1			
79	Maintenance Load, Lv (Pos. 5)	None				1			
80	Maintenance Load, Lv (Pos. 6)	None				1			
81	Maintenance Load, Lv (Pos. 7)	None				1			
82	Maintenance Load, Lv (Pos. 8)	None				1			
83	Maintenance Load, Lv (Pos. 9)	None				1			
84	Maintenance Load, Lv (Pos. 10)	None				1			
85	Maintenance Load, Lv (Pos. 11)	None				1			
86	Maintenance Load, Lv (Pos. 12)	None				1			
87	Maintenance Load, Lv (Pos. 13)	None				1			
88	Maintenance Load, Lv (Pos. 14)	None				1			
89	Maintenance Load, Lv (Pos. 15)	None				1			
90	Maintenance Load, Lv (Pos. 16)	None				1			
91	Maintenance Load, Lv (Pos. 17)	None				1			
92	Maintenance Load, Lv (Pos. 18)	None				1			
93	Maintenance Load, Lv (Pos. 19)	None				1			
94	Maintenance Load, Lv (Pos. 20)	None				1			
95	Maintenance Load, Lv (Pos. 21)	None				1			
96	Maintenance Load, Lv (Pos. 22)	None				1			
97	Maintenance Load, Lv (Pos. 23)	None				1			
98	Maintenance Load, Lv (Pos. 24)	None				1			
99	Maintenance Load, Lv (Pos. 25)	None							
100	Maintenance Load, Lv (Pos. 26)	None							
101	Maintenance Load, Lv (Pos. 27)	None							
102	Maintenance Load, Lv (Pos. 28)	None							
103	Maintenance Load, Lv (Pos. 29)	None							
104	Maintenance Load, Lv (Pos. 30)	None							
105	Maintenance Load, Lv (Pos. 31)	None							
106	Maintenance Load, Lv (Pos. 32)	None							
107	Maintenance Load, Lv (Pos. 33)	None							
108	Maintenance Load, Lv (Pos. 34)	None							
109	Maintenance Load, Lv (Pos. 35)	None							
110	Maintenance Load, Lv (Pos. 36)	None							
111	Maintenance Load, Lv (Pos. 37)	None							
112	Maintenance Load, Lv (Pos. 38)	None							
113	Maintenance Load, Lv (Pos. 39)	None							
114	Maintenance Load, Lv (Pos. 40)	None							
115	Maintenance Load, Lv (Pos. 41)	None							
116	Maintenance Load, Lv (Pos. 42)	None							
117	Maintenance Load, Lv (Pos. 43)	None							
118	Maintenance Load, Lv (Pos. 44)	None							
119	Maintenance Load, Lv (Pos. 45)	None							
120	Maintenance Load, Lv (Pos. 46)	None							
121	Maintenance Load, Lv (Pos. 47)	None							
122	Maintenance Load, Lv (Pos. 48)	None							
123	Maintenance Load, Lv (Pos. 49)	None							
124	Maintenance Load, Lv (Pos. 50)	None							
125	Maintenance Load, Lv (Pos. 51)	None							
126	Maintenance Load, Lv (Pos. 52)	None							
127	Maintenance Load, Lv (Pos. 53)	None							
128	Maintenance Load, Lv (Pos. 54)	None							
129	Maintenance Load, Lv (Pos. 55)	None							



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
130 Maintenance Load, Lv (Pos. 56)	None								
131 Maintenance Load, Lv (Pos. 57)	None								
132 Maintenance Load, Lv (Pos. 58)	None								
133 Maintenance Load, Lv (Pos. 59)	None								
134 Maintenance Load, Lv (Pos. 60)	None								
135 Maintenance Load, Lv (Pos. 61)	None								
136 Maintenance Load, Lv (Pos. 62)	None								
137 Maintenance Load, Lv (Pos. 63)	None								
138 Maintenance Load, Lv (Pos. 64)	None								
139 Maintenance Load, Lv (Pos. 65)	None								
140 Maintenance Load, Lv (Pos. 66)	None								
141 Maintenance Load, Lv (Pos. 67)	None								
142 Maintenance Load, Lv (Pos. 68)	None								
143 Maintenance Load, Lv (Pos. 69)	None								
144 Maintenance Load, Lv (Pos. 70)	None								
145 Maintenance Load, Lv (Pos. 71)	None								
146 Maintenance Load, Lv (Pos. 72)	None								
147 Maintenance Load, Lv (Pos. 73)	None								
148 Maintenance Load, Lv (Pos. 74)	None								
149 Maintenance Load, Lv (Pos. 75)	None								
150 Maintenance Load, Lv (Pos. 76)	None								
151 Maintenance Load, Lv (Pos. 77)	None								
152 Maintenance Load, Lv (Pos. 78)	None								
153 Maintenance Load, Lv (Pos. 79)	None								
154 Maintenance Load, Lv (Pos. 80)	None								
155 Maintenance Load, Lv (Pos. 81)	None								
156 Maintenance Load, Lv (Pos. 82)	None								
157 Maintenance Load, Lv (Pos. 83)	None								
158 Maintenance Load, Lv (Pos. 84)	None								
159 Maintenance Load, Lv (Pos. 85)	None								
160 Maintenance Load, Lv (Pos. 86)	None								
161 Maintenance Load, Lv (Pos. 87)	None								
162 Maintenance Load, Lv (Pos. 88)	None								
163 Maintenance Load, Lv (Pos. 89)	None								
164 Maintenance Load, Lv (Pos. 90)	None								
165 Maintenance Load, Lv (Pos. 91)	None								
166 Maintenance Load, Lv (Pos. 92)	None								
167 Maintenance Load, Lv (Pos. 93)	None								
168 Maintenance Load, Lv (Pos. 94)	None								
169 Maintenance Load, Lv (Pos. 95)	None								
170 Maintenance Load, Lv (Pos. 96)	None								
171 Maintenance Load, Lv (Pos. 97)	None								
172 Maintenance Load, Lv (Pos. 98)	None								
173 Maintenance Load, Lv (Pos. 99)	None								
174 Maintenance Load, Lv (Pos. 100)	None								
175 Antenna Dead Load	None					18			
176 Antenna Wind Load (0 deg)	None					36			
177 Antenna Wind Load (30 deg)	None					36			
178 Antenna Wind Load (60 deg)	None					36			
179 Antenna Wind Load (90 deg)	None					36			
180 Antenna Wind Load (120 deg)	None					36			
181 Antenna Wind Load (150 deg)	None					36			
182 Antenna Wind Load (180 deg)	None					36			
183 Antenna Wind Load (210 deg)	None					36			
184 Antenna Wind Load (240 deg)	None					36			
185 Antenna Wind Load (270 deg)	None					36			
186 Antenna Wind Load (300 deg)	None					36			

Basic Load Cases (Continued)

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribut...	Area(Me...	Surface(...
187 Antenna Wind Load (330 deg)	None					36			
188 Antenna Ice Load	None					18			
189 Antenna Wind on Ice (0 deg)	None					36			
190 Antenna Wind on Ice (30 deg)	None					36			
191 Antenna Wind on Ice (60 deg)	None					36			
192 Antenna Wind on Ice (90 deg)	None					36			
193 Antenna Wind on Ice (120 deg)	None					36			
194 Antenna Wind on Ice (150 deg)	None					36			
195 Antenna Wind on Ice (180 deg)	None					36			
196 Antenna Wind on Ice (210 deg)	None					36			
197 Antenna Wind on Ice (240 deg)	None					36			
198 Antenna Wind on Ice (270 deg)	None					36			
199 Antenna Wind on Ice (300 deg)	None					36			
200 Antenna Wind on Ice (330 deg)	None					36			
201 Ant. Horiz. Seismic, Eh (0)	None					36			
202 Ant. Horiz. Seismic, Eh (30)	None					36			
203 Ant. Horiz. Seismic, Eh (60)	None					36			
204 Ant. Horiz. Seismic, Eh (90)	None					36			
205 Ant. Horiz. Seismic, Eh (120)	None					36			
206 Ant. Horiz. Seismic, Eh (150)	None					36			
207 Ant. Horiz. Seismic, Eh (180)	None					36			
208 Ant. Horiz. Seismic, Eh (210)	None					36			
209 Ant. Horiz. Seismic, Eh (240)	None					36			
210 Ant. Horiz. Seismic, Eh (270)	None					36			
211 Ant. Horiz. Seismic, Eh (300)	None					36			
212 Ant. Horiz. Seismic, Eh (330)	None					36			
213 BLC 1 Transient Area Loads	None						147		
214 BLC 14 Transient Area Loads	None						147		

Load Combinations

Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1 1.4D	Yes	Y	1	1.4	175	1.4													
2 1.2D + 1.0W (0 deg)	Yes	Y	1	1.2	2	1	175	1.2	176	1									
3 1.2D + 1.0W (30 deg)	Yes	Y	1	1.2	3	1	175	1.2	177	1									
4 1.2D + 1.0W (60 deg)	Yes	Y	1	1.2	4	1	175	1.2	178	1									
5 1.2D + 1.0W (90 deg)	Yes	Y	1	1.2	5	1	175	1.2	179	1									
6 1.2D + 1.0W (120 deg)	Yes	Y	1	1.2	6	1	175	1.2	180	1									
7 1.2D + 1.0W (150 deg)	Yes	Y	1	1.2	7	1	175	1.2	181	1									
8 1.2D + 1.0W (180 deg)	Yes	Y	1	1.2	8	1	175	1.2	182	1									
9 1.2D + 1.0W (210 deg)	Yes	Y	1	1.2	9	1	175	1.2	183	1									
10 1.2D + 1.0W (240 deg)	Yes	Y	1	1.2	10	1	175	1.2	184	1									
11 1.2D + 1.0W (270 deg)	Yes	Y	1	1.2	11	1	175	1.2	185	1									
12 1.2D + 1.0W (300 deg)	Yes	Y	1	1.2	12	1	175	1.2	186	1									
13 1.2D + 1.0W (330 deg)	Yes	Y	1	1.2	13	1	175	1.2	187	1									
14 1.2D + Di + Wi (0 deg)	Yes	Y	1	1.2	14	1	15	1	175	1.2	188	1	189	1					
15 1.2D + Di + Wi (30 deg)	Yes	Y	1	1.2	14	1	16	1	175	1.2	188	1	190	1					
16 1.2D + Di + Wi (60 deg)	Yes	Y	1	1.2	14	1	17	1	175	1.2	188	1	191	1					
17 1.2D + Di + Wi (90 deg)	Yes	Y	1	1.2	14	1	18	1	175	1.2	188	1	192	1					
18 1.2D + Di + Wi (120 deg)	Yes	Y	1	1.2	14	1	19	1	175	1.2	188	1	193	1					
19 1.2D + Di + Wi (150 deg)	Yes	Y	1	1.2	14	1	20	1	175	1.2	188	1	194	1					
20 1.2D + Di + Wi (180 deg)	Yes	Y	1	1.2	14	1	21	1	175	1.2	188	1	195	1					
21 1.2D + Di + Wi (210 deg)	Yes	Y	1	1.2	14	1	22	1	175	1.2	188	1	196	1					
22 1.2D + Di + Wi (240 deg)	Yes	Y	1	1.2	14	1	23	1	175	1.2	188	1	197	1					
23 1.2D + Di + Wi (270 deg)	Yes	Y	1	1.2	14	1	24	1	175	1.2	188	1	198	1					
24 1.2D + Di + Wi (300 deg)	Yes	Y	1	1.2	14	1	25	1	175	1.2	188	1	199	1					



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
538	1.2D + 1.5Lv (Position 69)		Y	1	1.2	143	1.5	175	1.2											
539	1.2D + 1.5Lv (Position 70)		Y	1	1.2	144	1.5	175	1.2											
540	1.2D + 1.5Lv (Position 71)		Y	1	1.2	145	1.5	175	1.2											
541	1.2D + 1.5Lv (Position 72)		Y	1	1.2	146	1.5	175	1.2											
542	1.2D + 1.5Lv (Position 73)		Y	1	1.2	147	1.5	175	1.2											
543	1.2D + 1.5Lv (Position 74)		Y	1	1.2	148	1.5	175	1.2											
544	1.2D + 1.5Lv (Position 75)		Y	1	1.2	149	1.5	175	1.2											
545	1.2D + 1.5Lv (Position 76)		Y	1	1.2	150	1.5	175	1.2											
546	1.2D + 1.5Lv (Position 77)		Y	1	1.2	151	1.5	175	1.2											
547	1.2D + 1.5Lv (Position 78)		Y	1	1.2	152	1.5	175	1.2											
548	1.2D + 1.5Lv (Position 79)		Y	1	1.2	153	1.5	175	1.2											
549	1.2D + 1.5Lv (Position 80)		Y	1	1.2	154	1.5	175	1.2											
550	1.2D + 1.5Lv (Position 81)		Y	1	1.2	155	1.5	175	1.2											
551	1.2D + 1.5Lv (Position 82)		Y	1	1.2	156	1.5	175	1.2											
552	1.2D + 1.5Lv (Position 83)		Y	1	1.2	157	1.5	175	1.2											
553	1.2D + 1.5Lv (Position 84)		Y	1	1.2	158	1.5	175	1.2											
554	1.2D + 1.5Lv (Position 85)		Y	1	1.2	159	1.5	175	1.2											
555	1.2D + 1.5Lv (Position 86)		Y	1	1.2	160	1.5	175	1.2											
556	1.2D + 1.5Lv (Position 87)		Y	1	1.2	161	1.5	175	1.2											
557	1.2D + 1.5Lv (Position 88)		Y	1	1.2	162	1.5	175	1.2											
558	1.2D + 1.5Lv (Position 89)		Y	1	1.2	163	1.5	175	1.2											
559	1.2D + 1.5Lv (Position 90)		Y	1	1.2	164	1.5	175	1.2											
560	1.2D + 1.5Lv (Position 91)		Y	1	1.2	165	1.5	175	1.2											
561	1.2D + 1.5Lv (Position 92)		Y	1	1.2	166	1.5	175	1.2											
562	1.2D + 1.5Lv (Position 93)		Y	1	1.2	167	1.5	175	1.2											
563	1.2D + 1.5Lv (Position 94)		Y	1	1.2	168	1.5	175	1.2											
564	1.2D + 1.5Lv (Position 95)		Y	1	1.2	169	1.5	175	1.2											
565	1.2D + 1.5Lv (Position 96)		Y	1	1.2	170	1.5	175	1.2											
566	1.2D + 1.5Lv (Position 97)		Y	1	1.2	171	1.5	175	1.2											
567	1.2D + 1.5Lv (Position 98)		Y	1	1.2	172	1.5	175	1.2											
568	1.2D + 1.5Lv (Position 99)		Y	1	1.2	173	1.5	175	1.2											
569	1.2D + 1.5Lv (Position 100)		Y	1	1.2	174	1.5	175	1.2											

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N10	max	2091.268	8	784.205	23	1038.538	11	503.274	118	1157.843	5	948.996	14
2		min	-4147.722	2	316.544	53	-1030.353	5	-597.316	148	-1174.821	11	374.753	56
3	N110	max	2901.663	14	1709.005	14	48.455	11	.274	129	10.847	5	408.648	14
4		min	140.683	8	75.269	8	-48.502	5	-.442	135	-10.931	11	17.564	8
5	N114	max	2129.992	10	792.449	19	3583.455	10	1023.1	107	1391.02	13	87.733	108
6		min	-1092.01	4	318.908	157	-1739.899	4	305.915	5	-1355.574	7	-865.816	66
7	N132	max	-94.142	4	1787.203	22	-163.016	4	370.22	22	10.855	13	-12.028	4
8		min	-1519.411	22	102.427	4	-2631.238	22	20.851	4	-10.935	7	-213.533	22
9	N136	max	2125.429	8	792.866	15	1818.502	12	-262.043	9	1178.218	9	15.099	169
10		min	-1095.972	2	319.185	105	-3589.339	6	-980.533	159	-1154.078	3	-938.438	55
11	N154	max	-76.247	12	1714.585	18	2521.667	18	-16.582	12	10.876	9	-9.582	12
12		min	-1455.391	18	81.893	12	131.941	12	-354.943	18	-10.968	3	-205.19	18
13	Totals:	max	4424.435	8	7070.027	16	4297.655	11						
14		min	-4452.733	2	3380.059	10	-4297.656	5						



Company : ETS, PLLC
 Designer : KM
 Job Number : ETS#22107100.STR.5860
 Model Name : Good Hill CT

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Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

Member	Shape	Code Check	Loc[in]	LC	Shea..	Loc[in]	Dir	LC	phi*Pn...	phi*...	phi*...	phi*...	Cb	Eqn	
58	COR-PL-3...	PL 1/2x6	.059	0	7	.189	0	y	135	93978...	945...	984...	118...	1.67	H1-...
59	COR-PL-9...	PL 1/2x6	.057	0	11	.189	0	y	43	93978...	945...	984...	118...	1.67	H1-...
60	COR-PL-2...	PL 1/2x6	.056	0	3	.190	0	y	95	93978...	945...	984...	118...	1.67	H1-...
61	KICK-PL-4	PL 1/2x8	.042	2.875	21	.061	2.875	y	22	12346...	126...	131...	210...	1.667	H1-...
62	KICK-PL-2	PL 1/2x8	.040	2.875	17	.058	2.875	y	18	12346...	126...	131...	210...	1.667	H1-...
63	KICK-PL-6	PL 1/2x8	.040	2.875	25	.058	2.875	y	14	12346...	126...	131...	210...	1.667	H1-...
64	KICK-PL-3	PL 1/2x8	.033	0	21	.036	0	y	22	12346...	126...	131...	210...	1.668	H1-...
65	KICK-PL-1	PL 1/2x8	.032	0	17	.034	0	y	18	12346...	126...	131...	210...	1.668	H1-...
66	KICK-PL-5	PL 1/2x8	.032	0	25	.034	0	y	14	12346...	126...	131...	210...	1.668	H1-...
67	PL-210-2	PL 3/8x6	.000	1.5	12	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...
68	PL-330-2	PL 3/8x6	.000	1.5	10	.000	1.5	y	25	70011...	729...	569...	911...	1.562	H1-...
69	PL-330-1	PL 3/8x6	.000	1.5	10	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...
70	PL-210-1	PL 3/8x6	.000	1.5	12	.000	1.5	y	25	70011...	729...	569...	911...	1.562	H1-...
71	PL-90-2	PL 3/8x6	.000	1.5	8	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...
72	PL-90-1	PL 3/8x6	.000	1.5	8	.000	1.5	y	25	70011...	729...	569...	911...	1.563	H1-...

TIA-222-H 4-Bolt Connection Check

Connection Details	
Bolt Diameter =	0.625 in
Bolt Quantity =	4
Bolt Threads/Inch, n =	11
Vertical Bolt Spacing =	6.000 in
Horizontal Bolt Spacing =	6.000 in
Bolt Grade =	A325
Plate Height =	8.250 in
Plate Width =	8.250 in
Plate Thickness =	0.75
Plate Grade =	Other
Standoff Member Type =	HSS
Member Height =	4.000 in
Member Width =	4.000 in
Member Thickness =	0.250 in
Use TIA-222-H Section 15.5?	No
Weld Size =	3/8 in

Connection Check (Bolts)		
ϕ =	0.75	Strength Reduction Factor
A_n =	0.226 in ²	Net Bolt Area (AISC Table 7-17)
A_b =	0.307 in ²	Gross Bolt Area
$F_{u_{bolt}}$ =	120 ksi	Bolt Ultimate Stress Capacity
ϕR_{nt} =	20.34 kip	Bolt Nominal Tensile Capacity (TIA-H 4.9.6.1)
ϕR_{nv} =	13.81 kip	Bolt Nominal Shear Capacity (TIA-H 4.9.6.3)
$V_{u_{bolt}}$ =	0.571 kip	Shear Force Per Bolt
$T_{u_{bolt}}$ =	2.226 kip	Tension Force Per Bolt
CSR =	10.9%	OK (TIA 4.9.6.4)

Connection Check (Plate)		
ϕ =	0.9	Strength Reduction Factor
F_y =	35 ksi	Plate Yield Capacity
Y_{LH} =	7.48 in	Horizontal plate yield line
Y_{LV} =	7.48 in	Vertical plate yield line
Y_{LD} =	6.01 in	Diagonal plate yield line
M_{max} =	3.5 kip-in	Plate Bending Moment
F_b =	31.5 ksi	Nominal Plate Yield Capacity
f_b =	3.3 ksi	Plate Bending Stress Demand
CSR =	10.6%	OK

Connection Check (Welds)		
ϕ =	0.75	Strength Reduction Factor
F_{EXX} =	70 ksi	Filler Metal Strength (70 ksi assumed)
$F_{u_{bm}}$ =	58 ksi	Base Metal Strength
ϕR_n =	8.4 k/in	Nominal Weld Capacity
R_u =	1.1 k/in	Weld Shear Demand
CSR =	13.4%	OK



Exhibit F



Radio Frequency Emissions Analysis Report



Site ID: CTNH290A

Good Hill Woodbury ATC
478 Good Hill Road
Woodbury, CT 06798

July 6, 2022

Fox Hill Telecom Project Number: 221399

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	32.41 %



July 6, 2022

T-MOBILE
Attn: RF Manager
35 Griffin Road South
Bloomfield, CT 06009

Emissions Analysis for Site: **CTNH290A – Good Hill Woodbury ATC**

Fox Hill Telecom, Inc (“Fox Hill”) was directed to analyze the proposed upgrades to the T-MOBILE facility located at **478 Good Hill Road, Woodbury, CT**, for the purpose of determining whether the emissions from the Proposed T-MOBILE Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

General population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limits for the 600 MHz & 700 MHz bands are approximately $400 \mu\text{W}/\text{cm}^2$ and $467 \mu\text{W}/\text{cm}^2$ respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS), 2500 MHz (BRS) and 11 GHz microwave bands is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.



Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were performed for the proposed upgrades to the T-MOBILE antenna facility located at **478 Good Hill Road, Woodbury, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-MOBILE is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report the sample point is the top of a 6-foot person standing at the base of the tower.

Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. All power values expressed and analyzed are maximum power levels expected to be used on all radios.

All emissions values for additional carriers were taken from the Connecticut Siting Council (CSC) active MPE database. Values in this database are provided by the individual carriers themselves

For each sector the following channel counts, frequency bands and power levels were utilized as shown in *Table 1*:

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
LTE / 5G NR	600 MHz	2	40
LTE	700 MHz	2	20
LTE	1900 MHz (PCS)	4	40
GSM	1900 MHz (PCS)	1	15
LTE	2100 MHz (AWS)	4	40
LTE / 5G NR	2500 MHz (BRS)	8	20
Microwave	11 GHz	1	1

Table 1: Channel Data Table

The following antennas listed in *Table 2* were used in the modeling for transmission in the 600 MHz, 700 MHz, 1900 MHz (PCS), 2100 MHz (AWS), 2500 MHz (BRS) and 11 GHz microwave frequency bands. This is based on feedback from the carrier with regards to anticipated antenna selection. Maximum gain values for all antennas are listed in the Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	RFS APXVAALL24_43-U-NA20	135
A	2	Commscope VV-65A-R1	135
A	3	Ericsson AIR6419 B41	135
A	4	RFS SC2-W100BD	135
B	1	RFS APXVAALL24_43-U-NA20	135
B	2	Commscope VV-65A-R1	135
B	3	Ericsson AIR6419 B41	135
C	1	RFS APXVAALL24_43-U-NA20	135
C	2	Commscope VV-65A-R1	135
C	3	Ericsson AIR6419 B41	135

Table 2: Antenna Data

All calculations were done with respect to uncontrolled / general population threshold limits.



RESULTS

Per the calculations completed for the proposed T-MOBILE configurations *Table 3* shows resulting emissions power levels and percentages of the FCC’s allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	RFS APXVAALL24_43-U-NA20	600 MHz / 700 MHz	13.65 / 13.85	4	120	2,824.56	1.45
Antenna A2	Commscope VV-65A-R1	1900 MHz (PCS) / 2100 MHz (AWS)	15.55 / 16.05	9	335	12,724.61	2.75
Antenna A3	Ericsson AIR6419 B41	2500 MHz (BRS)	21.5	8	160	22,600.60	4.88
Antenna A4	RFS SC2-W100BD	11 GHz	32.25	1	1	1,678.80	0.04
Sector A Composite MPE%							9.12
Antenna B1	RFS APXVAALL24_43-U-NA20	600 MHz / 700 MHz	13.65 / 13.85	4	120	2,824.56	1.45
Antenna B2	Commscope VV-65A-R1	1900 MHz (PCS) / 2100 MHz (AWS)	15.55 / 16.05	9	335	12,724.61	2.75
Antenna B3	Ericsson AIR6419 B41	2500 MHz (BRS)	21.5	8	160	22,600.60	4.88
Sector B Composite MPE%							9.08
Antenna C1	RFS APXVAALL24_43-U-NA20	600 MHz / 700 MHz	13.65 / 13.85	4	120	2,824.56	1.45
Antenna C2	Commscope VV-65A-R1	1900 MHz (PCS) / 2100 MHz (AWS)	15.55 / 16.05	9	335	12,724.61	2.75
Antenna C3	Ericsson AIR6419 B41	2500 MHz (BRS)	21.5	8	160	22,600.60	4.88
Sector C Composite MPE%							9.08

Table 3: T-MOBILE Emissions Levels

The Following table (*table 4*) shows all additional carriers on site and their MPE% as recorded in the CSC active MPE database for this facility along with the newly calculated maximum T-MOBILE MPE contributions per this report. FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. For this site, the sector with the largest calculated MPE% is Sector A. *Table 5* below shows a summary for each T-MOBILE Sector as well as the composite MPE value for the site.

Site Composite MPE%	
Carrier	MPE%
T-MOBILE – Max at Sector A	9.12 %
Verizon Wireless	13.96 %
AT&T	6.71 %
Dish	2.62 %
Site Total MPE %:	32.41 %

Table 4: All Carrier MPE Contributions

T-MOBILE Sector A Total:	9.12 %
T-MOBILE Sector B Total:	9.08 %
T-MOBILE Sector C Total:	9.08 %
Site Total:	32.41 %

Table 5: Site MPE Summary



FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. *Table 6* below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated T-MOBILE sector(s). For this site, the sector with the largest calculated MPE% is Sector A.

T-MOBILE _ Frequency Band / Technology Max Power Values (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
T-Mobile 600 MHz LTE / 5G NR	2	926.96	135	4.01	600 MHz	400	1.00%
T-Mobile 700 MHz LTE	2	485.32	135	2.10	700 MHz	467	0.45%
T-Mobile 1900 MHz (PCS) LTE	4	1,435.69	135	12.41	1900 MHz (PCS)	1000	1.24%
T-Mobile 1900 MHz (PCS) GSM	1	538.38	135	1.16	1900 MHz (PCS)	1000	0.12%
T-Mobile 2100 MHz (AWS) LTE	4	1,610.87	135	13.92	2100 MHz (AWS)	1000	1.39%
T-Mobile 2500 MHz (BRS) LTE / 5G NR	8	2,825.08	135	48.83	2500 MHz (BRS)	1000	4.88%
T-Mobile 11 GHz Microwave	1	1,678.80	135	0.36	11 GHz	1000	0.04%
						Total:	9.12%

Table 6: T-MOBILE Maximum Sector MPE Power Values



Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the T-MOBILE facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

T-MOBILE Sector	Power Density Value (%)
Sector A:	9.12 %
Sector B:	9.08 %
Sector C:	9.08 %
T-MOBILE Maximum Total (per sector):	9.12 %
Site Total:	32.41 %
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **32.41 %** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.

Scott Heffernan
Principal RF Engineer
Fox Hill Telecom, Inc
Holden, MA 01520
(978)660-3998

Exhibit G



AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION

ATC SITE#/NAME/PROJECT: 411180 / Good Hill CT /14099769
SITE ADDRESS: 478-A Good Hill Road, Woodbury, CT 06798-2505
APN: WOOD M:066 B:008-283400
LICENSEE : T-MOBILE d/b/a T-MOBILE NORTHEAST LLC

I, Margaret Robinson, Vice President, UST Legal for American Tower*, operator of the tower facility located at the address identified above (the “Tower Facility”), do hereby authorize T-MOBILE d/b/a T-MOBILE NORTHEAST LLC, its successors and assigns, and/or its agent, (collectively, the “Licensee”) to act as American Tower’s non-exclusive agent for the sole purpose of filing and consummating any land-use or building permit application(s) as may be required by the applicable permitting authorities for Licensee’s telecommunications’ installation.

We understand that this application may be denied, modified, or approved with conditions. The above authorization is limited to the acceptance by Licensee only of conditions related to Licensee’s installation and any such conditions of approval or modifications will be Licensee’s sole responsibility.

Signature:

Print Name: Margaret Robinson
Vice President, UST Legal
American Tower*

NOTARY BLOCK

Commonwealth of MASSACHUSETTS
County of Middlesex

This instrument was acknowledged before me by Margaret Robinson, Vice President, UST Legal for American Tower*, personally known to me (or proved to me based on satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

WITNESS my hand and official seal, this 26th day of July 2022.

NOTARY SEAL

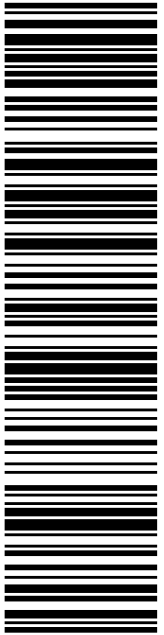


GERARD T. HEFFRON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
August 9, 2024

Notary Public
My Commission Expires: August 9th, 2024

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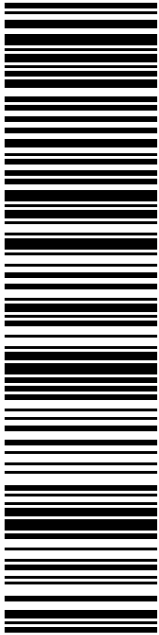
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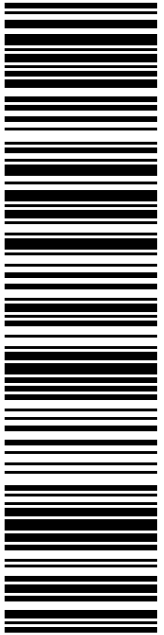


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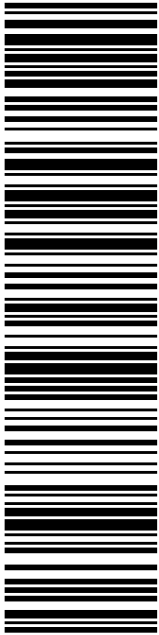


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