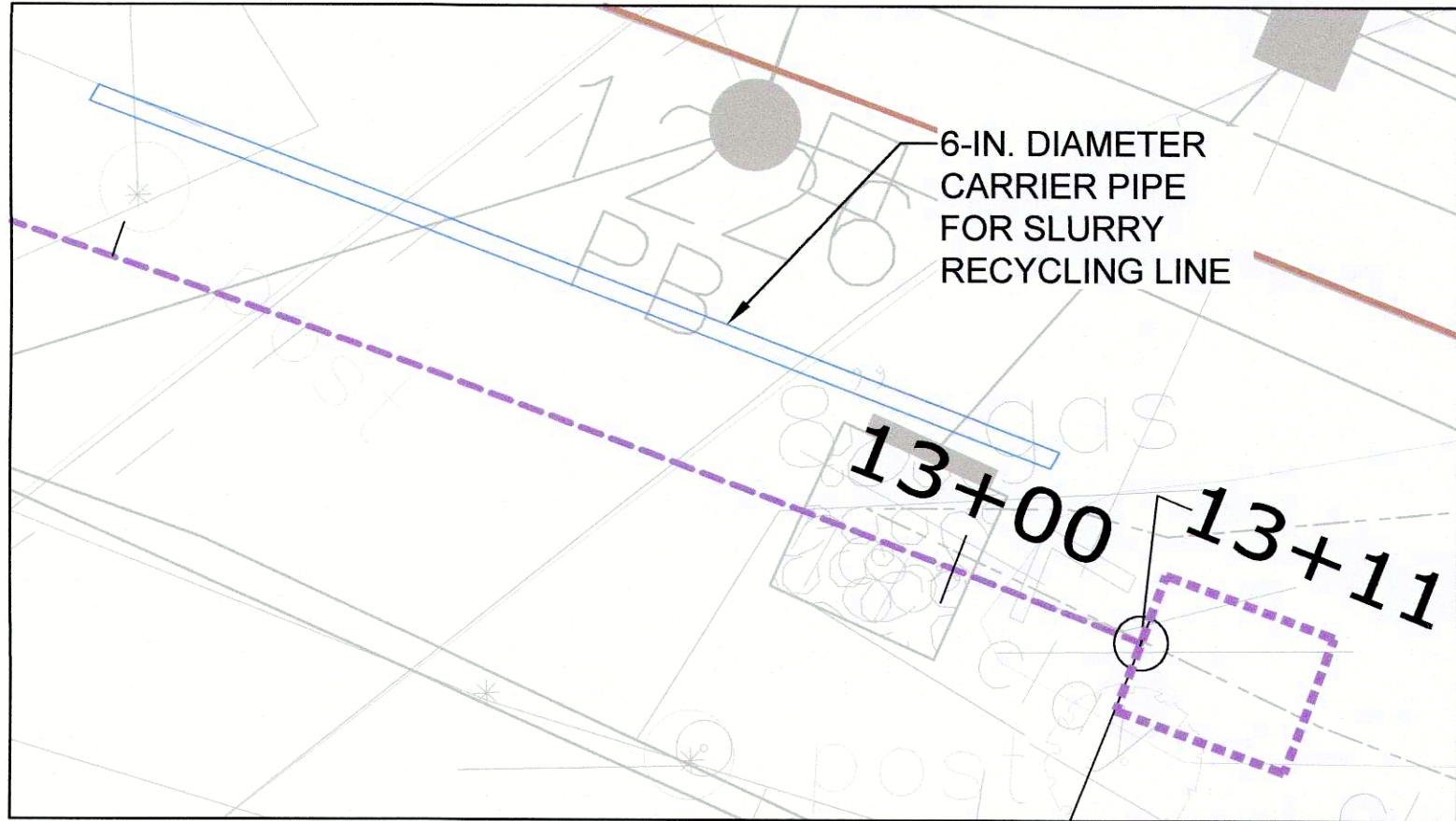
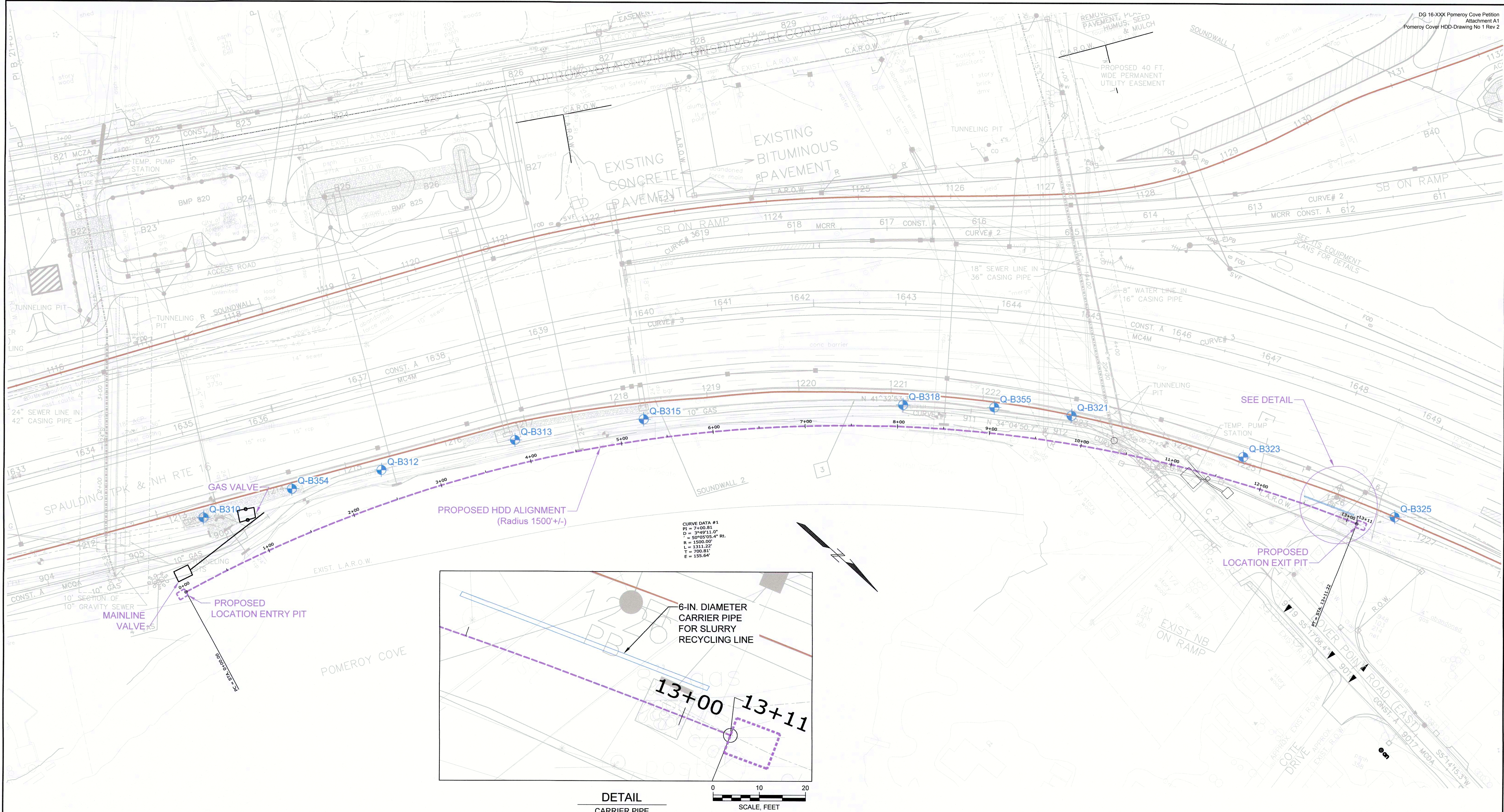




DETAIL
CARRIER PIPE

LEGEND:

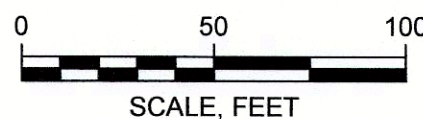
BORING

NOTES:

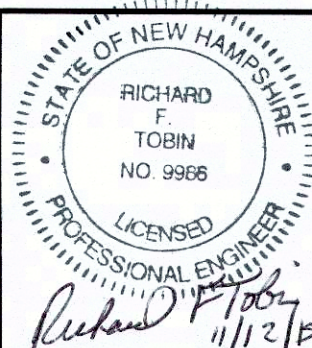
1. PLAN BASED ON DRAWING PROVIDED BY VHB TITLED "52274-pr".

NOTES:

1. SET TOP OF CARRIER PIPE MINIMUM OF 2 FEET BELOW TOP OF PAVEMENT.
2. EXTEND CARRIER PIPE MINIMUM OF 5 FEET LATERALLY BEYOND EDGE OF PAVEMENT.
3. REMOVE CARRIER PIPE AT END OF PROJECT.



Attention:				
	2	11/12/15	FOR CONSTRUCTION	R.TOBIN
	1	9/28/15	FOR PERMITTING	M.YAKO
NO.		DATE	ISSUE/REVISION	APP



Designed: J. Scully
Checked: M. Yako
Drawn: J. Scully
Submitted By: R. Tobin
NH P.E. No.: 09986
Submittal Date: 11/12/2015



Gas Pipeline - HDD Installation
Pomeroy Cove - Route 16
Dover, New Hampshire

PROPOSED HDD
PLAN ALIGNMENT

DWG. NO.
1

REV
2

DIRECTIONAL BORING SPECIFICATION

1.01 DESCRIPTION

Use Horizontal Directional Drilling (HDD) method to install the underground pipeline. The installation shall be in accordance with the sizes, alignments and limits shown on the plans, and specified in these technical specifications. The work includes all services, equipment, materials, tools and labor for a complete and proper installation and testing.

HDD is a trenchless method for installing a product pipe. It is a multi-stage process consisting of site preparation, equipment setup, pilot bore, reaming, product pipe pulling through the drilled bore and site restoration. Alignment of the bore is accomplished by proper orientation of the drill bit head as it is advanced through the ground by the drill rig. Orientation and tracking of the drill bit is determined by using an acceptable tracking system from a transmitter located within the drill bit head.

In order to minimize friction and prevent collapse of the bore hole, introduce a soil stabilizing agent (drilling fluid) into the annular bore space from the front end of the drill bit. The rotation of the bit in the soil wetted by the drilling fluid creates slurry. The slurry stabilizes the surrounding soil, prevents the bore hole from collapsing, and provides lubrication. Select or design the drilling fluids for the site's specific soil and ground water conditions. Confine free flowing (escaping) slurry or drilling fluids at the ground surface during pull back or drilling.

1.02 QUALITY ASSURANCE

The requirements set forth in this document specify a wide range of procedural precautions necessary to insure that the very basic, essential aspects of a proper directional bore installation are adequately controlled. Strict adherence shall be required under specifically covered conditions outlined in this specification. Adherence to the specifications contained herein, or the Engineer's approval of any aspect of any directional bore operation covered by this specification, shall in no way relieve the Contractor of their ultimate responsibility for the satisfactory completion of the work authorized under the Contract.

1.03 MATERIALS

The product pipe shall be the material and size as indicated on the plans. The product pipe must comply with all applicable Unifit Corporation specification sections and ASTM standards depending on the purpose and material of the product pipe. Prior to installation ensure the pipe sections have been joined sufficiently to install using HDD. Ensure that the joined product pipes have adequate strength and flexibility to withstand the installation stresses, overburden pressures, and operating pressures without compromising the structural stability of the pipe wall. Ensure that the product meets the bend radius requirement for the proposed installation. Join the pipe sections so that the inner surfaces are flush and even.

Pipe shall be API 5L X-52 steel pipe with a minimum wall thickness of 0.365 inch and with 60 Mils of Powercrete epoxy coating rated for natural gas or better.

Detection Wire: Electronic detection material for non-conductive piping products. Select tracer wire designed for HDD to conductively locate underground utility lines according to ASTM D-1248. Use a continuous yellow sheathed solid conductor stainless steel wire line. The wire must be able to withstand the installation tension along the entire length of the line.

2.0 CONSTRUCTION

2.01 SUBMITTALS

Work Plan: Prior to beginning work, submit to the Engineer a work plan detailing the procedure and schedule to execute the project. The work plan shall be comprehensive, realistic and based on actual working conditions for this particular project. The work plan shall include complete descriptions of proposed plans, procedures, equipment, personnel, and if applicable, supporting material, for the following:

- Drilling operations: the pilot hole drilling procedure, the reaming operation, and the pullback procedure. A site sketch with layout of pipe, HDD entry and exit points and support equipment shall be included.
- Directional drilling equipment list including: Drilling rig, drill bit, back-reamer, mud mixing and pumping systems, down-hole tools, guidance system, pipe support equipment and rig safety system. Provide date of last calibration for guidance equipment.
- Drilling fluid management plan: Drilling fluid type(s) and specifications, cleaning and recycling equipment, estimated flow rates, procedures for minimizing drilling fluid escape, and the method/location for final disposal of waste drilling fluids. Provide the MSDS for all drilling fluid additives that will be used.
- Pipe storage and handling details if needed.
- MSDS of any potentially hazardous substances to be used.
- Contingency plans for any concerns on project.

If site conditions change and require modification to the work plan, resubmit revised drilling plans to achieve successful installation. Explain in the revised submittal the anticipated and encountered conditions that mandated the change in plans.

Daily Reports, Operator Logs and Record Drawings: At the completion of the HDD product pipe installation, the general contractor shall provide the Engineer and Owner with marked up plans noting all deviations from plans that result in change of location, material, type or size of work guided by the boring operations and the guidance log. Post, on the drawing, the x,y and z coordinates for the starting and ending points and every 100 horizontal feet along the bore at a minimum. Also include daily reports and operator logs of personnel and equipment onsite with hours worked and completed tasks signed by the supervisor onsite and onsite owner's representative.

2.02 Equipment Requirements

Drill Rig & Support Equipment: Match the HDD drill rig and its auxiliary pieces of equipment to the diameter of pipe being installed and ensure the drill rod can meet the bend radius required for the proposed installation. The directional drilling rig should consist of a power system to rotate, push and pull back hollow drill pipe into the ground at variable angles while delivering a pressurized fluid mixture to a guidable drill head. The selected rig should have a power system to provide sufficient pressure to power the drilling operations through a leak-free hydraulic system. Anchor the directional drilling machine to the ground to withstand the pulling, pushing and rotating pressures required to complete the HDD installation.

Select a drilling fluid mixing system that is self-contained and closed with sufficient size to mix and deliver drilling fluid to the drill bit. The mixing system will continually agitate the drilling fluid during the drilling operations. Select fluids delivery system capable of pumping drilling fluid with sufficient volume and pressure from the mixing tank through the drill rods to the drill head.

Minimize potential damage from soil displacement/settlement/heave by limiting the borehole diameter compared to the product pipe. Select the back-reamer size so it creates a large enough borehole to allow cuttings to transfer from the face of excavation to the surface with minimum soil displacement.

Guidance System: Select an acceptable guidance system to locate and track continuously and accurately the drill head during the pilot bore. The guidance system must be capable of tracking the drill in the expected underground environment and at the depth shown on the plans. The acceptable methods include: walkover, wire line, magnetic guidance system probe, proven (non-experimental) gyroscopic probe, or any other system as accepted by the engineer. Select the guidance system and the drill rig to deliver the required horizontal and vertical accuracy required for the product pipe. Use a locating and tracking system capable of ensuring that the proposed installation is executed as intended. If signal interference is encountered that significantly affects the ability to accurately track the drill bit, use an alternate tracking system. Select the locating and tracking system to provide information on clock and pitch; depth; transmitter temperature; battery status; position (x,y); azimuth where direct overhead readings (walkover) are not possible. Ensure proper calibration of all equipment before commencing directional drilling operation. Take necessary measures to ensure accurate record drawing. Install all facilities such that their location can be readily determined by electronic designation after installation.

Drilling Fluids: Use a drilling fluids mixture composed of potable water and stabilizing agent - usually bentonite and/or polymer and or appropriate additives continuously pumped to the drill bit. Design/select the drilling fluid: to transport the spoils; maintain temperatures of bits and transmitter; clean cuttings from drill bit and reamers; reduce friction, pullback, and torque on drill rods and product pipe; stabilize the borehole; control ground water pressure; and reduce migration of drilling fluids in soil. Use water with pH between 7.5 and 10 and free of chlorine with calcium <100ppm, sodium chloride <500 ppm, and chlorine <50 ppm. Hard water may be treated with soda

ash to reach the required pH. Design the quantity and the mixture of drilling fluids to perform the preceding functions in the expected soil. Vary the fluid viscosity to best fit the encountered soil conditions. Do not use any other chemicals or polymer surfactants in the drilling fluid without written consent from the engineer. Certify in submittals that any added chemicals are environmentally safe and not harmful or corrosive to the product pipe and the environment. Approvals and permits are required for obtaining water from such sources as streams, rivers, ponds or fire hydrants. Any water source used other than potable water requires a pH test prior to construction.

2.03 Installation

Site Preparation: Prior to any alterations to worksite, walk the area prior to the commencement of the HDD project and visually inspect and become familiar with the site conditions and plan and execute the installation for the actual site conditions.

Utility Location: At least 72 business hours prior, but no more than 10 business days (excluding weekends and legal holidays) before beginning work, explore and locate existing utilities in the areas of work. Verify the exact physical location and depth of existing utilities by exposing as needed. If utilities are to remain in place, provide adequate means of protecting the utility during excavation operations. If uncharted or incorrectly charted piping or utilities are encountered during the utility exploration, contact the utility owner and Unutil's onsite representative. If utilities are damaged during construction, local, state and federal laws in place for the utility will govern the replacement and compensation for repair.

The drilling contractor must have a representative who is thoroughly knowledgeable of the equipment, boring and the owner procedures present at the job site during the entire installation and available to address immediate concerns and emergency operations. Notify the engineer 48 hours in advance of starting work. Do not begin installation until the owner's representative is present at the job site and agrees that proper preparations have been made and all required submittals received and reviewed.

Maintain minimum clearance of 10 feet between the bore and known utilities, 10 feet below the Dover Point on-ramp, and 5 feet horizontal clearance from property lines.

Drilling and Pullback Operations: Prior to the start of the boring operation, survey the site with (x,y,z) coordinates at the control point at 100 LF intervals at a minimum along the bore path (or station offset over water). Provide stakes at offset distances (left or right) from the centerline at these control points and at all known existing utility crossings.

Drill the pilot hole along the path shown on the plans and profile within the allowable tolerance of the type of utility. Provide and maintain instrumentation necessary to accurately locate the pilot bore (both horizontal and vertical placements). Ensure adequate removal of soil cuttings and stability of the bore hole by monitoring the drilling fluids parameters such as the pumping rate, pressures, viscosity and density during the pilot bore,

back reaming, and product pipe installation. Maintain proper disposition of drilling fluids.

To minimize heaving during pull back, determine the pullback rate in order to maximize the removal of soil cuttings without building excess down hole pressure. Contain excess drilling fluids at entry and exit points until the recycle, vacuum, or removal from the site during drilling operations. Ensure that entry and exit containments are of sufficient size to contain the expected return of drilling fluids and soil cuttings. Maintain minimum cover to contain drilling fluids. Use surface casings as required. Pullback the product pipe maintaining stresses within acceptable levels.

Ensure that all drilling fluids are disposed of or recycled in a manner acceptable to the appropriate local, state, or federal regulatory agencies. When drilling in contaminated ground, test the drilling fluid for contamination and appropriately dispose of it. Remove any excess material upon completion of the bore. Contact the Engineer immediately if it becomes evident that the soil is contaminated in the drilling process. Do not continue drilling without the Engineer's consent.

Install all facilities such that their location can be readily determined by electronic designation after installation. For non-conductive installations, attach continuous conductive tracking (tracer wire) materials, either externally, internally or integral with the product. Tracking conductors must extend two feet beyond bore termini. Test conductors for continuity.

Within 48 hours of completing the installation, clean the work site of all excess slurry or spoils, de-mobilize equipment, and ensure that the site is safe and secured.

Environmental Protection: Take all necessary measures to eliminate the discharge of water, drilling mud, and cuttings to nearby waterways during the HDD work. If applicable, provide equipment and procedures to maximize the recirculation or reuse of drilling mud to minimize waste. Follow state, local and federal environmental requirements throughout construction and disposal of waste.

Damage Restoration: Restore all damage caused by heaving, settlement, separation of pavement, escaping drilling fluid, or from the directional drilling operation. If the negligence of the contractor causes damage to any facility, restore the facility to its original conditions or better at no additional cost to the owner of the construction contract.

Testing: Upon completion of the directional bore, test tracer wire continuity for each bore before acceptance.

APPENDIX A: NHDOT TEST BORING REPORTS

TEST BORING REPORT



BORING NO. **Q-B310**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **3**
STA. **1634+99** OFF. **RT 94**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **5.7**
START/END **2/1/12 / 2/6/12**
DRILLER **J. Woodward (NHDOT)**
INSPECTOR **Doug Rogers**
CLASSIFIER **DRR**
EAST/NORTH (ft) **1206581/228878**

GROUNDWATER						EQUIPMENT		SAMPLER		CASING		CORE		START/END		2/1/12 / 2/6/12	
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:		S		NW		NX		DRILLER J. Woodward (NHDOT)			
						SIZE I.D. (in):		1.375		3		1.875		INSPECTOR Doug Rogers			
						HAMMER WT. (lb):		140		DRILL RIG		CLASSIFIER DRR					
2/2/12	9:00 am	1.3	4.4	11.0	13.0	HAMMER FALL (in):		30		CME 45-C Track rig		EAST/NORTH (ft) 1206581/228878					
2/3/12	9:30 am	1.4	4.3	49.0	51.0	HAMMER TYPE:		Automatic									
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS						STRATUM SYMBOL				
	DEPTH	ELEVATION															
0	0.4	5.3	1			0.0	Dark brown, loamy TOPSOIL Loose, dark yellowish brown, FINE SAND, little silt, trace medium sand -FILL-										
			3	S1	0.9 [45]												
			2			2.0	Dark yellowish brown, FINE SAND, some silt, over dark greyish brown, FINE SAND, trace organics Grey, FINE SAND, trace silt -ALLUVIUM-										
	3.0	2.7	1	S2	1.6 [80]												
			4			4.0	Loose, brownish grey to yellowish brown and greyish brown, silty FINE SAND Loose, greyish brown, silty FINE SAND and fine sandy SILT, isolated dark yellowish brown mottle										
			3	S3	0.8 [40]												
5			4			6.0	Very loose, yellowish brown and greyish brown, silty FINE SAND and fine sandy SILT Very loose, greyish brown and yellowish brown, fine sandy SILT, isolated dark yellowish brown mottle										
			3	S4	1.0 [50]												
			2			8.0	Very soft, olive to grey, silty CLAY and clayey SILT, w/ occasional silty fine sand layer -MARINE DEPOSIT-										
			1	S5	0.9 [45]												
10			2			10.0	Very soft, grey, silty CLAY, w/ isolated seam of fine sandy silt Very soft, grey, silty CLAY										
	13.0	-7.3	1	S6	0.5 [25]												
			1			11.0	Very soft, grey, silty CLAY										
			1	S7	1.8 [90]												
15			1			14.0	Very soft, grey, silty CLAY										
			1	S8	1.3 [65]												
			1			16.0	Very soft, grey, silty CLAY										
			1	S9	2.0 [100]												
20			1			19.0	Very soft, grey, silty CLAY										
			1	S8	1.3 [65]												
			1			21.0	Very soft, grey, silty CLAY										
			1	S9	2.0 [100]												
25			1			24.0	Very soft, grey, silty CLAY										
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Sampler Identification		COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
S	Standard Split Spoon	Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
SL	Large Spoon (O.D.= 3 in)	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
U	Undisturbed Piston	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
O	Open End Rod	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
A	Auger Flight	16 - 30	Very Stiff	> 50	Very Dense		
C	Core Barrel	31 - 60	Hard				
NR	Not Recorded	> 60	Very Hard				
				WOR - Weight of Rod		ENGLISH	
				WOH - Weight of Hammer			

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TEST BORING REPORT



BORING NO. **Q-B310**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q**

BRIDGE NO. **N/A**

DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**

STA. **1634+99** OFF. **RT 94**

BASELINE **Spaulding Turnpike**

ELEVATION (ft) **5.7**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			WOR	S10	2.0 [100]	29.0	Very soft, grey-olive grey, silty CLAY, occasional black streak	
			WOR			31.0		
35			WOR	S11	2.0 [100]	34.0	Very soft, dark grey, silty CLAY, w/ occasional black streak	
			WOR			36.0		
			WOR					
			WOR					
40			WOR	S12	2.0 [100]	39.0	Very soft, grey and dark grey, silty CLAY, w/ occasional black streak	
			WOR			41.0		
			WOR					
			WOR					
45			WOR	S13	2.0 [100]	44.0	Very soft, dark grey, silty CLAY, occasional black streak	
			WOR			46.0		
			WOR					
			WOR					
50			WOR	S14	2.0 [100]	49.0	Very soft, grey, silty CLAY	
			WOR			51.0		
			WOR					
			WOR					
55			WOR	S15	2.0 [100]	54.0	Very soft, grey, silty CLAY, w/ occasional zone of clayey SILT	
			WOR			56.0		
			WOR					
			WOR					
60			3	S16	1.1 [55]	59.0	Medium stiff, grey, SILT, little clay	
			4			61.0		
			4					
			4					
65	64.7	-59.0	WOR	S17	1.4 [70]	64.0	Grey, SILT, little clay, trace fine sand	
			3				Grey, silty FINE SAND w/ isolated 3/8" stone in spoon tip	

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TEST BORING REPORT

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION



BORING NO. **Q-B310**

SHEET NO. 3 OF 3

STA. 1634+99 OFF. RT 94

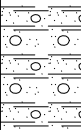
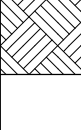
BASELINE Spaulding Turnpike

ELEVATION (ft) 5.7

PROJECT NAME **NEWINGTON-DOVER 11238-Q**

BRIDGE NO. N/A

DESCRIPTION Spaulding Turnpike (NH 16) South of US 4

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL	
	DEPTH	ELEVATION							
70	68.5	-62.8	5			66.0	-GLACIAL OUTWASH-		
			24			69.0	Dense, grey, silty FINE SAND, some gravel, some coarse-medium sand, w/ occasional weathered rock fragment		
			17 13	S18	0.8 [40]	71.0			
75	74.6	-68.9	9				-GLACIAL TILL-		
			52	S19	0.4 [67]	74.0	Similar to S18, refusal of split spoon at 74.6'		
			70/0.1			74.6			
				C1	4.1 [98]	78.8	-APPROXIMATE BEDROCK SURFACE-		
				Moderately hard-hard, slightly to moderately weathered, slightly to moderately fractured, grey-dark grey, fine-grained, META-SILTSTONE w/ small zones of phyllitic SCHIST throughout the run. Joints/fractures are moderately to steeply dipping. Foliation, where discernible, is moderate to steep. RQD: 2.6 / 4.2 = 62%					
80							Bottom of Exploration @ 78.8 ft (El. - 73.1)		
85									
90									
95									
100									

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TEST BORING REPORT



BORING NO. **Q-B312**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q**

BRIDGE NO. **N/A**

DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**

STA. **1636+98** OFF. **RT 95**

BASELINE **Spaulding Turnpike**

ELEVATION (ft) **8.8**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			WOR WOH WOH WOH	S11	2.0 [100]	29.0 31.0	Very soft, grey, silty CLAY -MARINE DEPOSIT-	
35			WOR WOR WOH WOH	S12	2.0 [100]	34.0 36.0	Very soft, similar to S11	
40			WOR WOR WOR WOH	S13	2.0 [100]	39.0 41.0	Very soft, grey to dark grey, silty CLAY, w/ occasional black streak	
45			WOR WOR WOR WOH	S14	2.0 [100]	44.0 46.0	Very soft, similar to S13	
50			WOR WOR WOR WOH	S15	2.0 [100]	49.0 51.0	Very soft, grey, silty CLAY w/ occasional zone of clayey silt, occasional black streak	
55			WOR WOR WOR WOH	S16	2.0 [100]	54.0 56.0	Very soft, grey, silty CLAY	
60			WOR WOR WOR WOR	S17	2.0 [100]	59.0 61.0	Very soft, grey, silty CLAY and clayey SILT	
65			WOR WOR WOR	S18	1.9 [95]	64.0	Very soft, grey and dark grey, silty CLAY and clayey SILT, w/ occasional layer of fine sandy silt	

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TEST BORING REPORT

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION



BORING NO. **Q-B312**

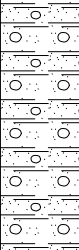
SHEET NO. 3 OF 3

STA. 1636+98 OFF. RT 95

BASELINE Spaulding Turnpike

ELEVATION (ft) 8.8

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. N/A
DESCRIPTION Spaulding Turnpike (NH 16) South of US 4

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
70	68.5	-59.7	WOR			66.0	-MARINE DEPOSIT-	
			WOR			69.0		
			WOR 1	S19	1.5 [75]	71.0	Very loose, grey, silty FINE SAND to FINE SAND, some silt Note: prior to SPT and following washing out of casing, 2" of fine sand entered up inside casing	
			2					
75	73.9	-65.1	13			74.0	-GLACIAL OUTWASH-	
			11					
			6	S20	0.9 [45]	76.0	Medium dense, grey, MEDIUM-FINE SAND, some silt, little gravel, trace coarse sand, w/ rock fragments throughout	
			6					
80	77.5	-68.7				77.8	-GLACIAL TILL-	
				C1	4.5 [98]	82.4	-APPROXIMATE BEDROCK SURFACE- Advanced hole to 77.8' w/ roller bit; cutting steady from 77.5' Hard to moderately hard, very slightly to slightly weathered, slightly to extremely fractured (from 80.5'), grey and dark grey, fine-grained, phyllitic SCHIST. Quartz present in thin veins and stringers. Most joints/fractures are steeply dipping and parallel to bedding plane. RQD: 1.2 / 4.6 = 26%	
85							Bottom of Exploration @ 82.4 ft (El. - 73.6)	
90								
95								
100								

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TEST BORING REPORT

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION



BORING NO. **Q-B313**

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **3**
STA. **1638+47** OFF. **RT 101**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **8.6**
START/END **2/23/12 / 8/8/12**
DRILLER **J. Woodward (NHDOT)**
INSPECTOR **Doug Rogers**
CLASSIFIER **DRR**
EAST/NORTH (ft) **1206293/229071**

GROUNDWATER						EQUIPMENT		SAMPLER		CASING		CORE		START/END		2/23/12 / 8/8/12			
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:	S	NW	NX	DRILLER		J. Woodward (NHDOT)		INSPECTOR		Doug Rogers			
3/8/12	9:00 am	3.7	4.9	85.9	85.5	SIZE I.D. (in):	1.375	3	1.875	HAMMER WT. (lb):		140		DRILL RIG		CLASSIFIER		DRR	
3/9/12	9:00 am	3.9	4.7	92.5	98.0	HAMMER FALL (in):	30	CME 45-C Track rig		EAST/NORTH (ft)		1206293/229071							
						HAMMER TYPE:	Automatic												
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS						STRATUM SYMBOL						
	DEPTH	ELEVATION																	
0	0.3	8.3					-ASPHALT CONCRETE PAVEMENT-												
			12			1.0	Dense, dark yellowish brown, coarse-fine sandy GRAVEL, little silt, over gravelly COARSE-FINE SAND												
			11	S1	1.2 [60]														
			15			3.0	-FILL-												
			33																
			7			3.0	Medium dense, grey-olive grey and dark olive grey, fine sandy SILT, trace gravel, trace coarse-medium sand, trace clay												
			6	S2	1.0 [50]														
			5			5.0	Medium stiff, olive-grey, clayey SILT, trace gravel, trace coarse sand												
			6																
5			3			5.0	Soft, olive grey and olive, silty CLAY to SILT, little clay, trace gravel, trace coarse-medium sand, isolated root fiber												
			3	S3	0.7 [35]														
			4			7.0	Very soft, olive-light olive brown, clayey SILT and silty CLAY, trace medium sand, isolated piece of fine gravel												
			3																
			2			7.0	Soft, olive-olive grey and light olive brown, clayey SILT, little fine gravel, trace coarse-medium sand												
			1	S4	0.6 [30]														
			1			9.0	Soft, olive-light olive brown w/ traces of grey, clayey SILT and silty CLAY, little-trace fine gravel, trace coarse sand, occasional blade of sea grass												
			1																
10			WOH			9.0	Very soft, olive w/ traces of grey, clayey SILT and silty CLAY												
			WOH																
			1	S5	0.6 [30]	11.0	-ORGANIC DEPOSIT-												
			2																
			WOH			12.0	Soft, dark brown, peaty MUCK												
			WOH																
			2	S6	1.0 [50]	14.0	-ALLUVIUM-												
			3																
			1			14.0	Medium dense, grey, silty FINE SAND, isolated fiber												
			1	S7	0.8 [40]														
15			2			16.0													
			1																
			WOH			16.0													
			WOH																
			WOH			18.0													
			WOH																
	18.5	-9.9					-ORGANIC DEPOSIT-												
			2			20.0	Soft, dark brown, peaty MUCK												
			1																
			2	S9	0.3 [13]														
			6			22.0													
							-ALLUVIUM-												
			2			24.0	Medium dense, grey, silty FINE SAND, isolated fiber												
			4																
			7	S10	1.4 [70]														
			12			26.0													
25																			
	28.7	-20.1																	

SAMPLER IDENTIFICATION		COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
S	Standard Split Spoon	Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
SL	Large Spoon (O.D.= 3 in)	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
U	Undisturbed Piston	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
O	Open End Rod	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
A	Auger Flight	16 - 30	Very Stiff	> 50	Very Dense		
C	Core Barrel	31 - 60	Hard				
NR	Not Recorded	> 60	Very Hard				
				WOR - Weight of Rod		ENGLISH	
				WOH - Weight of Hammer			

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TEST BORING REPORT



BORING NO. **Q-B313**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q**

BRIDGE NO. **N/A**

DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**

STA. **1638+47** OFF. **RT 101**

BASELINE **Spaulding Turnpike**

ELEVATION (ft) **8.6**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			WOH 3 6	S11	1.2 [60]	29.0 31.0	Soft, grey, silty CLAY, w/ layers of fine sandy SILT from approximately 30.0'	
							-MARINE DEPOSIT-	
35			WOR WOH WOH WOH	S12	2.0 [100]	34.0 36.0	Very soft, grey, silty CLAY, occasional silt, trace fine sand layer	
40			WOR WOR WOR WOH	S13	2.0 [100]	39.0 41.0	Very soft, grey, silty CLAY	
45			WOR WOR WOH WOH	S14	2.0 [100]	44.0 46.0	Very soft, grey to dark grey, silty CLAY	
50			WOR WOR WOR WOH	S15	2.0 [100]	49.0 51.0	Very soft, grey, silty CLAY, w/ occasional black streak	
55			WOR WOR WOR WOR	S16	2.0 [100]	54.0 56.0	Very soft, similar to S15	
60			WOR WOR WOR WOH	S17	2.0 [100]	59.0 61.0	Very soft, grey, silty CLAY, w/ occasional black streak	
65			WOR WOR WOR	S18	2.0 [100]	64.0	Very soft, grey, silty CLAY	

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TEST BORING REPORT

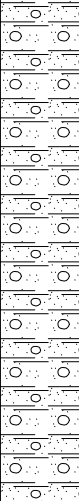
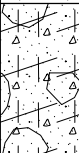


BORING NO. **Q-B313**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **3** OF **3**
STA. **1638+47** OFF. **RT 101**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **8.6**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL				
	DEPTH	ELEVATION										
70	78.0	-69.4	WOR			66.0	-MARINE DEPOSIT-					
			WOR			69.0						
			WOR	S19	2.0 [100]	71.0						
WOR												
75			WOR			74.0	Very soft, grey, silty CLAY and clayey SILT, w/ occasional layer of fine sandy silt/silty fine sand					
			WOR	S20	1.7 [85]	76.0						
			WOR									
			WOR									
80			WOR			79.0	Very loose, grey, FINE SAND, little silt					
			WOH	S21	1.6 [80]	81.0						
			1									
	3											
85	88.8	-80.2	-GLACIAL OUTWASH-				Note: no SPT attempted; approximately 13' of sandy material entering up inside casing after washing out borehole to 84.0'					
90			11			89.0			Dense, grey, silty FINE SAND, w/ angular rock fragments throughout			
			18	S22	0.6 [30]	91.0						
			18									
			33									
95			92.0	-83.4	-GLACIAL TILL-				-APPROXIMATE BEDROCK SURFACE- Advanced hole to 93.0' w/ roller bit; total water loss from 91.5'			
												93.0
					C1	5.0 [100]						98.0
100			Bottom of Exploration @ 98.0 ft (El. - 89.4)									

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TEST BORING REPORT

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION



BORING NO. **Q-B315**

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **3**
STA. **1639+98** OFF. **RT 108**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **8.3**
START/END **3/9/12 / 3/14/12**
DRILLER **J. Woodward (NHDOT)**
INSPECTOR **Doug Rogers**
CLASSIFIER **DRR**
EAST/NORTH (ft) **1206183/229159**

GROUNDWATER						EQUIPMENT SAMPLER CASING CORE				START/END 3/9/12 / 3/14/12		
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:	S	NW	NX	DRILLER J. Woodward (NHDOT)		
						SIZE I.D. (in):	1.375	3	1.875	INSPECTOR Doug Rogers		
						HAMMER WT. (lb):	140	DRILL RIG		CLASSIFIER DRR		
3/12/12	9:00 am	4.3	4.0	20.9	20.4	HAMMER FALL (in):	30	CME 45-C Track rig		EAST/NORTH (ft) 1206183/229159		
						HAMMER TYPE:	Automatic					
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS				STRATUM SYMBOL	
	DEPTH	ELEVATION										
0	0.3	8.1					-ASPHALT CONCRETE PAVEMENT-					
5			8			1.0	Medium dense, dark greyish brown and dark yellowish brown, gravelly COARSE-FINE SAND, little silt, over COARSE-FINE SAND, some gravel, little silt					
			9	S1	0.4 [20]							
			11			3.0	Medium dense, dark yellowish brown, silty MEDIUM-FINE SAND, trace coarse sand, occasional pocket of very dark greyish brown silty fine sand					
			9									
			10	S2	1.0 [50]	3.0	Loose, dark yellowish brown, silty COARSE-FINE SAND, w/ pockets of MEDIUM-FINE SAND, over olive grey and grey, SILT, little clay, trace fine gravel, trace coarse sand, occasional pocket of dark yellowish brown medium-fine sand					
			13									
			11			5.0	Medium stiff, dark yellowish brown-dark olive grey and olive grey, SILT, little clay, trace gravel, w/ occasional pocket of silty coarse-fine sand					
			6	S3	1.1 [55]							
			4			7.0	Soft, olive grey and grey, clayey SILT, w/ pockets of dark yellowish brown silty fine sand, trace fine gravel					
			4									
5	3	S4	0.9 [45]	7.0	Soft, olive grey and grey, clayey SILT and silty CLAY, little coarse sand, trace fine gravel, isolated pockets of dark yellowish brown silty fine sand and very dark greyish brown medium-fine sand							
4												
10			2			9.0	Very loose, dark yellowish brown, silty COARSE-FINE SAND, little fine gravel					
			1	S5	1.1 [55]							
			1			11.0	Very soft, dark brown, woody PEAT					
			2									
			WOH			12.0	-ORGANIC DEPOSIT-					
			1	S6	0.7 [35]							
			3			14.0	Very soft, similar to S8					
			1									
			6	2	S7	0.1 [5]	14.0	Grey, FINE SAND				
			1									
15	15.4	-7.1	0			16.0	Loose, dark grey, fine sandy SILT to grey, FINE SAND, some silt, trace medium sand Note: slight to moderate odor (organic decay) present					
			WOH									
			WOH	S8	1.8 [90]	18.0	-ALLUVIUM-					
			1									
			WOH			20.0	Very soft, grey, SILT and fine sandy SILT, over silty CLAY, w/ clayey SILT layers and isolated fine sandy silt layer					
			WOH	S9	1.5 [75]							
			1			22.0	-MARINE DEPOSIT-					
			2									
			2	2	S10	1.4 [70]	20.0					
			5									
20	19.5	-11.2										
			WOH			24.0						
			WOH	S11	1.2 [60]	26.0						
25	24.0	-15.7	1									
			WOH									

SAMPLER IDENTIFICATION		COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
S	Standard Split Spoon	Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
SL	Large Spoon (O.D.= 3 in)	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
U	Undisturbed Piston	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
O	Open End Rod	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
A	Auger Flight	16 - 30	Very Stiff	> 50	Very Dense		
C	Core Barrel	31 - 60	Hard				
NR	Not Recorded	> 60	Very Hard				
				WOR - Weight of Rod WOH - Weight of Hammer		ENGLISH	

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TEST BORING REPORT



BORING NO. **Q-B315**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q**

BRIDGE NO. **N/A**

DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**

STA. **1639+98** OFF. **RT 108**

BASELINE **Spaulding Turnpike**

ELEVATION (ft) **8.3**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			3			29.0	Soft, grey, fine sandy SILT, little clay	
			1 1 1	S12	0.4 [20]	31.0		
35							-MARINE DEPOSIT-	
35			WOR WOR WOR WOH	S13	2.0 [100]	34.0 36.0	Very soft, grey, silty CLAY, w/ isolated thin layer (1/2") of silt, trace fine sand	
40			WOR WOR WOR WOH	S14	2.0 [100]	39.0 41.0	Very soft, grey, silty CLAY	
45			WOR WOR WOH WOH	S15	2.0 [100]	44.0 46.0	Very soft, grey and dark grey, silty CLAY, isolated zone of silty clay, occasional black streak	
50			WOR WOR WOR WOR	S16	2.0 [100]	49.0 51.0	Very soft, grey, silty CLAY, w/ occasional black streak	
55			WOR WOR WOR WOR	S17	2.0 [100]	54.0 56.0	Very soft, similar to S16	
60			WOR WOR WOR WOR	S18	1.7 [85]	59.0 61.0	Very soft, grey, silty CLAY, w/ black streaks throughout	
65			WOR WOR WOR	S19	1.5 [75]	64.0	Very soft, grey, silty CLAY	

TEST BORING REPORT

Pomeroy Cove HDD - Construction Specifications

**BORING NO. Q-B315**STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTIONPROJECT NAME **NEWINGTON-DOVER 11238-Q**BRIDGE NO. N/ADESCRIPTION Spaulding Turnpike (NH 16) South of US 4SHEET NO. 3 OF 3STA. 1639+98 OFF. RT 108BASELINE Spaulding TurnpikeELEVATION (ft) 8.3

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
70			WOR			66.0	-MARINE DEPOSIT- Very soft, grey, silty CLAY	
			WOR			69.0		
			WOR	S20	2.0 [100]	71.0		
75			WOR				Very soft, grey and dark grey, silty CLAY, w/ occasional thin silt, trace fine sand layer	
			WOR					
			WOR	S21	1.8 [90]	74.0		
			WOR			76.0		
80	78.6	-70.3	WOR			79.0	Very loose, grey, silty FINE SAND to FINE SAND, some silt	
			WOH	S22	1.7 [85]	81.0		
			WOH					
			WOH					
85			2			84.0	-GLACIAL OUTWASH- Loose, grey-greenish grey, FINE SAND, trace silt	
			2	S23	0.5 [25]	86.0		
			3					
			5					
90	88.8	-80.5	16			89.0	Medium dense, grey, silty MEDIUM-FINE SAND, little gravel, little coarse sand, w/ rock fragments throughout	
			10	S24	0.6 [30]	91.0		
			8					
			12					
95	91.3	-83.0				91.6	-GLACIAL TILL- -APPROXIMATE BEDROCK SURFACE- Moderate to medium hardness, severely-very severely weathered (completely in small zones which were washed away by drilling process), extremely fractured, grey and dark grey, fine-grained, PHYLLITE. Quartz present in thin veins and very thin stringers. Periodic water loss during run. Hole terminated 4.4' into run as diamond stopped cutting. RQD: 0.0 / 4.4 = 0%	
				C1	2.0 [45]			
						96.0		
100							Bottom of Exploration @ 96.0 ft (El. - 87.7)	

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TEST BORING REPORT



BORING NO. **Q-B318**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **3**
STA. **1643+01** OFF. **RT 110**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **9.4**
START/END **3/14/12 / 3/16/12**
DRILLER **J. Woodward (NHDOT)**
INSPECTOR **Doug Rogers**
CLASSIFIER **DRR**
EAST/NORTH (ft) **1205983/229357**

GROUNDWATER						EQUIPMENT SAMPLER CASING CORE				START/END 3/14/12 / 3/16/12	
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:	S	NW	DRILLER J. Woodward (NHDOT)		
						SIZE I.D. (in):	1.375	3	INSPECTOR Doug Rogers		
						HAMMER WT. (lb):	140	DRILL RIG		CLASSIFIER DRR	
3/16/12	1:00 pm	5.4	4.0	65.0	70.8	HAMMER FALL (in):	30	CME 45-C Track rig		EAST/NORTH (ft) 1205983/229357	
						HAMMER TYPE:	Automatic				
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS				STRATUM SYMBOL
	DEPTH	ELEVATION									
0	0.2	9.2					-ASPHALT CONCRETE PAVEMENT-				
5			7			1.0	Medium dense, dark yellowish brown, gravelly COARSE-FINE SAND, some silt, over MEDIUM-FINE SAND, some silt, some gravel, little coarse sand				
			11	S1	1.1 [55]						
			11			3.0	-FILL-				
			9	S2	0.3 [15]	3.0					
			8			5.0	Medium dense, dark yellowish brown, MEDIUM-FINE SAND, trace medium sand, trace silt				
			8			7.0					Loose, yellowish brown to greyish brown and dark greyish brown, MEDIUM-FINE SAND, trace coarse sand, trace silt, w/ isolated pocket of very dark greyish brown fine sand, some silt
			7	S3	0.9 [45]	9.0	Very loose, dark brownish grey, MEDIUM-FINE SAND, trace silt				
			6			12.0					Very loose, greyish brown to brownish grey, MEDIUM-FINE to FINE SAND
			6			14.0	Greyish brown to grey, MEDIUM-FINE SAND Soft, dark brown, PEAT				
			5	S4	0.9 [45]	16.0					-ORGANIC DEPOSIT-
4			18.0	Soft, dark brown, PEAT, trace of dark brownish grey fine sand near 17.5'							
3	S5	1.0 [50]	19.0					-ALLUVIUM-			
3			21.0	Medium dense, dark greenish grey, MEDIUM-FINE SAND, little silt							
2	S6	0.7 [35]	24.0					-MARINE DEPOSIT-			
2			26.0	Very soft, grey, silty CLAY							
1	S7	0.7 [35]									
1											
0	S8	1.4 [70]									
0											
15	14.5	-5.1	2	S9	0.8 [40]						
			1								
			WOH								
			1								
			1								
			1								
			6								
	18.6	-9.2	10	S10	1.9 [95]						
			4								
20	20.6	-11.2	2								
			WOR			24.0					
			WOR								
			WOH			26.0					
			WOH								
25											

Sampler	Identification	COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
		Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
S	Standard Split Spoon	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
SL	Large Spoon (O.D.= 3 in)	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
T	Thin Wall Tube	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
U	Undisturbed Piston	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
O	Open End Rod	16 - 30	Very Stiff	> 50	Very Dense		
A	Auger Flight	31 - 60	Hard	WOR - Weight of Rod		ENGLISH	
C	Core Barrel	> 60	Very Hard	WOH - Weight of Hammer			
NR	Not Recorded						

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TEST BORING REPORT



BORING NO. **Q-B318**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q**

BRIDGE NO. **N/A**

DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**

STA. **1643+01** OFF. **RT 110**

BASELINE **Spaulding Turnpike**

ELEVATION (ft) **9.4**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			WOR WOR WOR WOH	S11	2.0 [100]	29.0 31.0	Very soft, grey, silty CLAY, w/ black streaks throughout the sample -MARINE DEPOSIT-	
35			WOR WOR WOR WOR	S12	2.0 [100]	34.0 36.0	Very soft, similar to S11	
40			WOR WOR WOR WOH	S13	2.0 [100]	39.0 41.0	Very soft, grey, silty CLAY, w/ occasional black streak	
45			WOR WOR WOR WOH	S14	2.0 [100]	44.0 46.0	Very soft, similar to S13	
50			WOR WOR WOR WOR	S15	2.0 [100]	49.0 51.0	Very soft, grey, silty CLAY	
55			WOR WOR WOR WOR	S16	2.0 [100]	54.0 56.0	Very soft, grey, similar to S15	
60			WOR WOR WOR WOR	S17	1.9 [95]	59.0 61.0	Very soft, grey and dark grey, silty CLAY and clayey SILT, w/ frequent layers of fine sandy silt and silty fine sand	
65	63.0	-53.6	6 5 7	S18	0.6 [30]	64.0	Medium dense, grey, COARSE-FINE SAND, some gravel, little silt	

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TEST BORING REPORT



BORING NO. **Q-B318**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. N/A
DESCRIPTION Spaulding Turnpike (NH 16) South of US 4

SHEET NO. 3 OF 3
STA. 1643+01 OFF. RT 110
BASELINE Spaulding Turnpike
ELEVATION (ft) 9.4

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
			13			66.0	-GLACIAL OUTWASH- Medium dense, brownish grey-grey, similar to S18, w/ large stone wedged in end of spoon tip Medium dense, dark greenish grey-dark grey, gravelly MEDIUM-FINE SAND, some coarse sand Bottom of Exploration @ 73.0 ft (El. - 63.6)	
			5			69.0		
70			6	S19	0.1 [5]			
			9			71.0		
			6			71.0		
			7					
			10	S20	0.7 [35]			
			13					
			12			73.0		
75								
80								
85								
90								
95								
100								

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TEST BORING REPORT

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION



BORING NO. **Q-B321**

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **3**
STA. **1644+97** OFF. **RT 103**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **13.5**
START/END **3/19/12 / 3/20/12**
DRILLER **J. Woodward (NHDOT)**
INSPECTOR **Doug Rogers**
CLASSIFIER **DRR**
EAST/NORTH (ft) **1205869/229501**

GROUNDWATER						EQUIPMENT SAMPLER CASING CORE				START/END 3/19/12 / 3/20/12		
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:	S	NW		DRILLER J. Woodward (NHDOT)		
3/20/12	12:30 pm	9.4	4.1	75.0	79.0	SIZE I.D. (in):	1.375	3		INSPECTOR Doug Rogers		
3/20/12	1:00 pm	8.4	5.1	75.0	78.4	HAMMER WT. (lb):	140	DRILL RIG		CLASSIFIER DRR		
						HAMMER FALL (in):	30	CME 45-C Track rig		EAST/NORTH (ft) 1205869/229501		
						HAMMER TYPE:	Automatic					
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS				STRATUM SYMBOL	
	DEPTH	ELEVATION										
0	0.2	13.3					-ASPHALT CONCRETE PAVEMENT-					
			10			1.0	-FILL-					
			12				Medium dense, greyish brown, gravelly COARSE-FINE SAND, some silt, over dark yellowish brown, MEDIUM-FINE SAND, some gravel, some silt, little coarse sand					
			11	S1	1.1 [55]							
			8			3.0						
			4			3.0	Loose, dark yellowish brown, silty MEDIUM-FINE SAND, some gravel, little coarse sand, over dark greyish brown, silty FINE SAND, little fine gravel, trace coarse sand, isolated piece of asphalt					
			4	S2	0.9 [45]							
			6			5.0						
5			7			5.0	Dense, dark greyish brown, silty FINE SAND, trace gravel, trace medium sand, over dark yellowish brown, MEDIUM-FINE SAND, some silt, little gravel, little coarse sand					
			14									
			15	S3	1.0 [50]							
			9			7.0						
			3			7.0	Loose, very dark brownish grey, silty FINE SAND, over dark yellowish brown, silty FINE SAND					
			3	S4	1.2 [60]							
			2			9.0						
	9.0	4.5	5			9.0						
			8				Medium dense, greyish brown and yellowish brown, FINE SAND, some silt, trace medium sand					
			7	S5	1.3 [65]							
			8			11.0						
			4			12.0	-ALLUVIUM-					
			4				Loose, grey to dark yellowish brown, silty FINE SAND					
			5	S6	1.2 [60]							
			3			14.0						
15			3			14.0	Very loose, dark yellowish brown, silty FINE SAND, isolated thin grey fine sandy silt layer					
			1	S7	0.4 [20]							
			6			16.0						
			4			19.0	Grey, silty FINE SAND					
			4									
			2	S8	1.4 [70]		Grey, silty FINE SAND, w/ 2 distinct 3" silty clay layers					
			2			21.0						
							-MARINE DEPOSIT-					
						24.0						
25						24.0	Very soft, grey, SILT, w/ frequent fine sandy silt layers					
				S9	1.7 [85]							
						26.0						
						28.0						
		</										

Sampler	Identification	COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
		Blows/foot	Consistency	Blows/foot	Density		
S	Standard Split Spoon	0 - 1	Very Soft	0 - 4	Very Loose	Capitalized Soil Name	Major Component
SL	Large Spoon (O.D.= 3 in)	2 - 4	Soft	5 - 10	Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	5 - 8	Medium Stiff	11 - 24	Medium Dense	Some	20% - 35%
U	Undisturbed Piston	9 - 15	Stiff	25 - 50	Dense	Little	10% - 20%
O	Open End Rod	16 - 30	Very Stiff	> 50	Very Dense	Trace	1% - 10%
A	Auger Flight	31 - 60	Hard			ENGLISH	
C	Core Barrel	> 60	Very Hard				
NR	Not Recorded						

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TEST BORING REPORT



BORING NO. **Q-B321**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**
STA. **1644+97** OFF. **RT 103**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **13.5**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			1	S10	1.8 [90]	30.0	Very soft, grey, silty CLAY, isolated fine sandy silt layer	
			1			30.0		
			WOR					
31			1	S11	1.7 [85]	31.3	Very soft, grey, silty CLAY, w/ 5" layer fine sandy silt from 31.3'	
			1					
			WOR					
32			3			32.0		
35							-MARINE DEPOSIT-	
38								
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
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TEST BORING REPORT

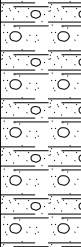
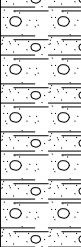


BORING NO. **Q-B321**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **3** OF **3**
STA. **1644+97** OFF. **RT 103**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **13.5**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL				
	DEPTH	ELEVATION										
70	74.4	-60.9	WOR WOR WOR	S18	2.0 [100]	67.0	Very soft, grey, silty CLAY to clayey SILT -MARINE DEPOSIT-					
			WOR WOR WOR WOR	S19	2.0 [100]	70.0 72.0			Very soft, grey, silty CLAY and clayey SILT, w/ occasional thin fine sandy silt layer			
75			WOR WOR WOR WOH	S20	1.5 [75]	75.0 77.0	Very loose, grey, FINE SAND, little silt -GLACIAL OUTWASH-					
			80	9 14 13 12	S21	1.0 [50]			80.0 82.0	Dense, grey, COARSE-FINE SAND, some gravel, w/ occasional weathered platy rock fragment		
85				7 8 7 8	S22	1.1 [55]	85.0 87.0	Medium dense, grey and greenish grey, MEDIUM-FINE SAND, little gravel, little silt, little coarse sand				
			Bottom of Exploration @ 87.0 ft (El. - 73.5)									
			90									
95												
100												

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TEST BORING REPORT

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION



BORING NO. **Q-B323**

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **3**
STA. **1647+00** OFF. **RT 110**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **11.3**
START/END **2/1/12 / 2/3/12**
DRILLER **C. Cleveland (NHDOT)**
INSPECTOR **John Soper**
CLASSIFIER **JKS**
EAST/NORTH (ft) **1205777/229667**

GROUNDWATER						EQUIPMENT SAMPLER CASING CORE				START/END 2/1/12 / 2/3/12		
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:	S	NW	DRILLER C. Cleveland (NHDOT)			
						SIZE I.D. (in):	1.375	3	INSPECTOR John Soper			
2/3/12	9:00 am	1.5	9.8	75	75	HAMMER WT. (lb):	140	DRILL RIG		CLASSIFIER JKS		
						HAMMER FALL (in):	30	CME 45-C Trlr		EAST/NORTH (ft) 1205777/229667		
						HAMMER TYPE:	Automatic					
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS				STRATUM SYMBOL	
	DEPTH	ELEVATION										
0			1			0.0	Loose, olive gray, silty FINE SAND, trace medium sand, trace coarse sand.					
			2	S1	1.7 [85]							
			5									
			6			2.0	-FILL-					
			2			2.0	Similar to S1.					
	2.7	8.6	4	S2	1.5 [75]		Dark brown, PEAT.					
			2				-ORGANIC DEPOSIT-					
	4.1	7.2	4			4.0	Medium dense, light olive gray, silty FINE SAND.					
			6	S3	1.3 [65]		-GLACIAL OUTWASH-					
			8			6.0						
5			5	S4	1.3 [65]		Medium dense, light olive gray, silty FINE SAND, with dark yellowish brown mottles.					
			6			8.0						
			5									
			2			8.0						
			2	S5	1.3 [65]		Loose, olive brown, FINE and MEDIUM SAND, little silt.					
10			4			10.0						
			2	S6	1.2 [60]		Medium dense, olive gray, silty FINE SAND, with dark yellowish brown mottles.					
			5			12.0						
			9									
			8	S7	0.5 [25]		Loose, similar to S6.					
	13.9	-2.7	3			14.0						
			1			14.0						
			1	S8	1.6 [80]		Very soft, olive gray, SILT, little clay.					
			1			16.0	-MARINE DEPOSIT-					
20			WOR			20.0						
			WOH	S9	1.9 [95]		Very soft, similar to S8.					
			1			22.0						
			WOH									
25			WOR			25.0						
			WOH	S10	1.7 [85]		Very soft, olive gray, SILT, little clay, with frequent seams of fine and medium sand, some silt.					
			WOH			27.0						
			WOH									
			WOH									

SAMPLER IDENTIFICATION		COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
S	Standard Split Spoon	Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
SL	Large Spoon (O.D.= 3 in)	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
U	Undisturbed Piston	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
O	Open End Rod	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
A	Auger Flight	16 - 30	Very Stiff	> 50	Very Dense		
C	Core Barrel	31 - 60	Hard				
NR	Not Recorded	> 60	Very Hard	WOR - Weight of Rod		ENGLISH	
				WOH - Weight of Hammer			

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TEST BORING REPORT



BORING NO. **Q-B323**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**
STA. **1647+00** OFF. **RT 110**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **11.3**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			WOR			30.0	Very soft, olive gray, SILT, little clay.	
			WOR	S11	1.9 [95]			
			WOR			32.0		
			WOH					
35			WOR			35.0	-MARINE DEPOSIT- Very soft, similar to S11.	
			WOR	S12	1.9 [95]			
			WOR			37.0		
			WOH					
40			WOR			40.0	Very soft, dark gray, SILT, some clay.	
			WOR	S13	2.0 [100]			
			WOR			42.0		
			WOH					
45			WOR			45.0	Very soft, similar to S13.	
			WOR	S14	2.0 [100]			
			WOR			47.0		
			WOR					
50			WOR			50.0	Very soft, similar to S13.	
			WOR	S15	2.0 [100]			
			WOR			52.0		
			WOR					
55			WOR			55.0	Very soft, similar to S13.	
			WOR	S16	2.0 [100]			
			WOR			57.0		
			WOR					
60			WOR			60.0	Very soft, similar to S13.	
			WOH	S17	2.0 [100]			
			WOH			62.0		
			2					
65			WOR			65.0	Description Continues on Next Page	

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TEST BORING REPORT



BORING NO. **Q-B323**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **3** OF **3**
STA. **1647+00** OFF. **RT 110**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **11.3**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
70	69.0	-57.8	1	S18	2.0 [100]	67.0	Very soft, olive gray, SILT, little clay. -MARINE DEPOSIT-	
75	79.0	-67.8	1			70.0	-GLACIAL OUTWASH-	
				S19	2.0 [100]	72.0	Very loose, dark olive gray, FINE and MEDIUM SAND, little silt.	
80	79.0	-67.8	3			75.0	Loose, similar to S19.	
			3	S20	1.8 [90]	77.0		
85	79.0	-67.8	4				-GLACIAL TILL-	
90	79.0	-67.8	31			80.0	Very dense, gray, silty FINE SAND, little fine and coarse gravel, little medium and coarse sand.	
			53	S21	0.5 [25]	82.0		
			56					
			35					
95	79.0	-67.8					Bottom of Exploration @ 82.0 ft (El. - 70.7)	
100	79.0	-67.8						

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TEST BORING REPORT

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION



BORING NO. **Q-B325**

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **3**
STA. **1648+92** OFF. **RT 108**
BASELINE **Spaulding Turnpike**
ELEVATION (ft) **8.2**
START/END **2/9/12 / 2/16/12**
DRILLER **J. Woodward (NHDOT)**
INSPECTOR **Doug Rogers**
CLASSIFIER **DRR**
EAST/NORTH (ft) **1205715/229833**

GROUNDWATER						EQUIPMENT		SAMPLER		CASING		CORE		START/END	
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:	S	NW		DRILLER J. Woodward (NHDOT)		INSPECTOR Doug Rogers		CLASSIFIER DRR	
2/16/12	8:30 am	- 1.4	9.6	84.0	81.3	SIZE I.D. (in):	1.375	3		DRILL RIG		CME 45-C Track rig		EAST/NORTH (ft) 1205715/229833	
						HAMMER WT. (lb):	140								
						HAMMER FALL (in):	30								
						HAMMER TYPE:	Automatic								
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS						STRATUM SYMBOL		
	DEPTH	ELEVATION													
0	0.4	7.8	WOH			0.0	Dark brown, loamy TOPSOIL								
	1.0	7.2	4	S1	1.4 [70]		Dark yellowish brown, FINE SAND, some silt, occasional fiber -FILL-								
			5			2.0	Greyish brown, FINE SAND, little silt, occasional yellowish brown mottle								
			4			2.0	Loose, greyish brown w/ trace of yellowish brown, FINE SAND, trace medium sand, trace silt								
			5			4.0	-ALLUVIUM-								
			3			4.0	Loose, dark yellowish brown, silty FINE SAND, w/ frequent layers of olive grey silt, trace clay, isolated very dark reddish brown mottle								
5			4	S3	1.0 [50]	6.0	Olive to grey, silty FINE SAND, w/ dark yellowish brown mottles								
	6.5	1.7	3			6.0	Soft, grey, SILT to clayey SILT								
			2			8.0	Very soft, grey, alternating layers of clayey SILT and silty CLAY								
			2	S4	1.0 [50]		Very soft, grey, clayey SILT and silty CLAY, w/ occasional thin layer of fine sandy silt								
			1			8.0	Very soft, grey, silty CLAY								
			0			10.0	Very soft, grey, clayey SILT and silty CLAY, w/ occasional thin layer of fine sandy silt								
10			1			10.0	Very soft, grey, silty CLAY								
			WOR			12.0	Very soft, similar to S7								
			WOR			14.0	-MARINE DEPOSIT-								
			WOR			16.0	Very soft, similar to S7								
15			WOR			19.0	Very soft, grey, silty CLAY, w/ occasional black streak								
			WOR			21.0									
			WOR			24.0									
			WOR			26.0									
25			WOR												
			WOR												

Sampler Identification		COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
S	Standard Split Spoon	Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
SL	Large Spoon (O.D.= 3 in)	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
U	Undisturbed Piston	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
O	Open End Rod	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
A	Auger Flight	16 - 30	Very Stiff	> 50	Very Dense		
C	Core Barrel	31 - 60	Hard				
NR	Not Recorded	> 60	Very Hard	WOR - Weight of Rod		ENGLISH	
				WOH - Weight of Hammer			

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TEST BORING REPORT



BORING NO. **Q-B325**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q**

BRIDGE NO. **N/A**

DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **2** OF **3**

STA. **1648+92** OFF. **RT 108**

BASELINE **Spaulding Turnpike**

ELEVATION (ft) **8.2**

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
30			WOR WOR WOR WOR	S11	2.0 [100]	29.0 31.0	Very soft, grey, silty CLAY	
							-MARINE DEPOSIT-	
35			WOR WOR WOR WOH	S12	2.0 [100]	34.0 36.0	Very soft, similar to S11	
40			WOR WOR WOR WOH	S13	2.0 [100]	39.0 41.0	Very soft, similar to S11	
45			WOR WOR WOR WOH	S14	2.0 [100]	44.0 46.0	Very soft, grey, silty CLAY, w/ occasional thin layer of silt, trace fine sand	
	47.5	-39.3					Note: prior to SPT and after washing out borehole, 0.5' of material entered up inside casing	
50			4 5 7 8	S15	1.0 [50]	49.0 51.0	Medium dense, grey and greenish grey, MEDIUM-FINE SAND, some coarse sand, some silt	
							-GLACIAL OUTWASH-	
							Note: no SPT attempted; sanding blow-in >2.0'	
55								
							Note: no SPT attempted; similar to conditions described at 54.0'	
60								
							Note: no SPT attempted; similar to conditions described at 54.0'	
65								

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BORING NO. **Q-B325**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

SHEET NO. 3 OF 3
STA. 1648+92 OFF. RT 108
BASELINE Spaulding Turnpike
ELEVATION (ft) 8.2

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. N/A
DESCRIPTION Spaulding Turnpike (NH 16) South of US 4

DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS	STRATUM SYMBOL
	DEPTH	ELEVATION						
70							Note: no SPT attempted; sanding blow-in >3.0'	
							-GLACIAL OUTWASH-	
75							Note: no SPT attempted; similar to conditions described at 69.0'	
80							Note: no SPT attempted; similar to conditions described at 69.0'	
85							Note: no SPT attempted; similar to conditions described at 69.0'	
90							Note: no SPT attempted; similar to conditions described at 69.0'	
95							Bottom of Exploration @ 89.0 ft (El. - 80.8)	
100								

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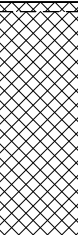
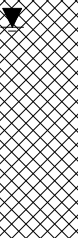
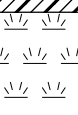
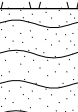
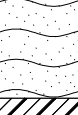


BORING NO. **Q-B354**

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
 MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME **NEWINGTON-DOVER 11238-Q** BRIDGE NO. **N/A**
 DESCRIPTION **Spaulding Turnpike (NH 16) South of US 4**

SHEET NO. **1** OF **1**
 STA. **1636+00** OFF. **RT 89**
 BASELINE **Spaulding Turnpike**
 ELEVATION (ft) **9.2**
 START/END **5/10/12 / 5/10/12**
 DRILLER **J. Woodward (NHDOT)**
 INSPECTOR **Doug Rogers**
 CLASSIFIER **DRR**
 EAST/NORTH (ft) **1206494/228928**

GROUNDWATER						EQUIPMENT	SAMPLER	CASING	CORE	START/END	5/10/12 / 5/10/12	
DATE	TIME	DEPTH (ft)	ELEV. (ft)	BOTTOM OF CASING	BOTTOM OF HOLE	TYPE:	S	NW		DRILLER	J. Woodward (NHDOT)	
5/10/12	1:00 pm	5.4	3.8	18.0	26.0	SIZE I.D. (in):	1.375	3		INSPECTOR	Doug Rogers	
						HAMMER WT. (lb):	140	DRILL RIG		CLASSIFIER	DRR	
						HAMMER FALL (in):	30	CME 45-C Track rig		EAST/NORTH (ft)	1206494/228928	
						HAMMER TYPE:	Automatic					
DEPTH (ft)	STRATUM CHANGE (ft)		BLOWS PER 0.5 ft	SAMPLE NUMBER	SAMPLER RECOVERY (ft) [%]	DEPTH RANGE (ft)	FIELD CLASSIFICATION AND REMARKS				STRATUM SYMBOL	
	DEPTH	ELEVATION										
0	0.2	9.0	1			0.0	Dark brown, fibrous TOPSOIL					
			2	S1	1.2 [60]		Loose, dark brown and dark yellowish brown, silty FINE SAND, trace gravel, trace coarse-medium sand, occasional fiber, over MEDIUM-FINE SAND, trace fine gravel, trace coarse sand, trace silt					
			4			2.0						
			5			2.0	Medium dense, dark yellowish brown, MEDIUM-FINE SAND, little fine gravel, little coarse sand, trace silt, over dark yellowish brown and olive, fine sandy SILT and silty FINE SAND, trace fine gravel, trace coarse-medium sand					
			7	S2	1.4 [70]		4.0	Dense, dark grey, fine sandy SILT, trace gravel, trace coarse-medium sand, occasional pocket of yellowish brown medium-fine sand, occasional fiber, over dark yellowish brown, fine sandy SILT, w/ angular rock fragments throughout				
			10			4.0						
			7			6.0						
			5	S3	1.2 [60]		6.0					
5			12			6.0						
			14			8.0						
			10	S4	0.7 [35]		8.0	Loose, brownish grey and dark grey, silty FINE SAND, trace coarse-medium sand, w/ coarse fibers throughout the sample				
			4			8.0	-FILL-					
			2			8.0						
			3			10.0						
			2			10.0						
			5	S5	1.1 [55]		10.0	Loose, dark greenish grey, silty FINE SAND, isolated wood fragment				
			5			10.0						
10	11.0	-1.8	4			12.0						
			2			12.0						
			3	S6	1.4 [70]		12.0	Dark grey-dark greenish grey, SILT, trace fine gravel, trace fine sand, occasional sea shell fragment, isolated nail 10.7' (disturbed tidal deposit from 10.0')				
			1			12.0						
			WOH			14.0	Dark grey-dark greenish grey, SILT, occasional fiber, occasional root fragment, occasional small sea shell fragment, strong odor from sample					
			WOH			14.0	Very soft, dark greenish grey-dark grey, SILT, occasional root fiber, occasional sea shell fragment					
			WOH			14.0	-TIDAL DEPOSIT-					
			WOH			16.0						
15	15.4	-6.2	WOH			16.0	Very soft, similar to S7					
			1			16.0						
			WOH			18.0	Dark brown, PEAT -ORGANIC DEPOSIT-					
			1			18.0						
			WOH			18.0	Soft, very dark greyish brown and dark brown, PEAT, w/ slight trace of dark greyish brown fine sand in end of spoon tip					
			1	S9	1.6 [80]		18.0					
			1			20.0						
			WOR			20.0						
			3			20.0						
			4			20.0						
20			1			20.0	Loose, grey-greenish grey, FINE SAND, trace silt, occasional fiber					
			2			22.0						
			2			22.0						
			1			22.0						
			WOR			24.0	-ALLUVIUM-					
			WOR			24.0						
			WOR			24.0						
			WOH			24.0						
			WOR			24.0	Very soft, grey, clayey SILT to silty CLAY					
			WOR			24.0						
			WOR			26.0	-MARINE DEPOSIT-					
			WOR			26.0						
			WOR			26.0						
25			WOR			26.0	Very soft, grey, silty CLAY					
							Bottom of Exploration @ 26.0 ft (El. - 16.8)					

Sampler Identification		COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
S	Standard Split Spoon	Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
SL	Large Spoon (O.D.= 3 in)	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
U	Undisturbed Piston	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
O	Open End Rod	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
A	Auger Flight	16 - 30	Very Stiff	> 50	Very Dense		
C	Core Barrel	31 - 60	Hard				
NR	Not Recorded	> 60	Very Hard	WOR - Weight of Rod		ENGLISH	
				WOH - Weight of Hammer			

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Pomeroy Cover, HD



New Hampshire
DOT

SHEET NO. 1 OF 1

STA 1644+06 OFF RT 106

BASELINE Spaulding Turnpike

ELEVATION (ft) 13.6

ELEVATION (ft)	1515
START/END	5/9/12 / 5/9/12

DRILLER J. Woodward (NHDOT)

INSPECTOR Doug Rogers

INSPECTOR Deag Rogers
CLASSIFIER DRB

CLASSIFIER _____ DRR _____
EAST/NORTH (ft) 1205919/22943

EAST/NORTH (ft) 12000 10/2200 10

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
MATERIALS & RESEARCH BUREAU - GEOTECHNICAL SECTION

PROJECT NAME NEWINGTON-DOVER 11238-Q BRIDGE NO. N/A

DESCRIPTION	Spaulding Turnpike (NH 16) South of US 4
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Sampler	Identification	COHESIVE SOILS		NON-COHESIVE SOILS		Soil Descriptions	Proportion
		Blows/foot	Consistency	Blows/foot	Density	Capitalized Soil Name	Major Component
S	Standard Split Spoon						
SL	Large Spoon (O.D.= 3 in)	0 - 1	Very Soft	0 - 4	Very Loose	Lower Case Adjective	35% - 50%
T	Thin Wall Tube	2 - 4	Soft	5 - 10	Loose	Some	20% - 35%
U	Undisturbed Piston	5 - 8	Medium Stiff	11 - 24	Medium Dense	Little	10% - 20%
O	Open End Rod	9 - 15	Stiff	25 - 50	Dense	Trace	1% - 10%
A	Auger Flight	16 - 30	Very Stiff	> 50	Very Dense		
C	Core Barrel	31 - 60	Hard				
NR	Not Recorded	> 60	Very Hard				

WOR - Weight of Rod

WOH - Weight of Hammer

ENGLISH

Appendix A

Horizontal Directional Drilling – Installation Load Analysis

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Drillpath Planning and Pipe Design Program (Drillpath V1.0)

=====

[Project Information Data]

Project Information File: C:\DRILL1\POMEROY4.WPF

Company Name: GEI Consultants, Inc.

Project Name: Pomeroy Cove HDD

Job Account No.: 150864

Drawn By: M. Yako

Location: Pomeroy Cove

City/State: Dover, NH

Date: 07-28-2015

Comments: Dry Installation, 0.365"

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Pipe Design Data Input

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Steel Pipe 5LX X52

Temperature = 73 °F

Mud Weight = 8.35 ppg

Pipe Wall Thickness = 0.365 in

Pipe SDR (OD/t) = 27.40

Pipe O.D. = 10 in

Dry Friction Factor = 0.5

Wet Friction Factor = 0.3

Extra Installation Section = 20 ft

Dry Installation-no fluid inside the pipe

Elastic Modulus = 30000000 psi

Pipe Weight = 37.59 lbm/ft

Tensile Strength = 52000 psi

Design Factor = 1

Drillpath Name: C:\DRILL1\POMEROY4.WPF

Sta. #	ML (ft)	Inc (Deg)	Azi (Deg)	VD (ft)	+N/-S (ft)	+E/-W (ft)	Cover Depth (ft)
1	0.0	-12.00	0.00	0.0	0.0	0.0	0.0
2	30.0	-12.00	1.15	6.2	29.3	0.3	4.3
3	60.0	-12.00	2.29	12.5	58.7	1.2	8.6
4	90.0	-12.00	3.44	18.7	88.0	2.6	13.4
5	120.0	-12.00	4.58	25.0	117.3	4.7	18.6
6	180.0	-6.00	6.88	34.3	176.2	10.6	27.4
7	240.0	0.00	9.17	37.5	235.5	19.0	30.9
8	300.0	0.00	11.46	37.5	294.5	29.7	31.4
9	420.0	0.00	16.04	37.5	411.0	58.2	32.3
10	540.0	0.00	20.63	37.5	524.9	96.0	31.7
11	660.0	0.00	25.21	37.5	635.4	142.7	32.3
12	780.0	0.00	29.80	37.5	741.8	198.1	33.6
13	900.0	0.00	34.38	37.5	843.5	261.8	35.4
14	1020.0	0.00	38.97	37.5	939.7	333.5	38.6
15	1080.0	0.00	41.26	37.5	985.6	372.1	39.2
16	1140.0	0.00	43.55	37.5	1029.9	412.6	39.2
17	1200.0	6.00	45.84	34.3	1072.4	454.7	36.2
18	1230.0	12.00	46.99	29.6	1092.9	476.2	30.5
19	1260.0	12.00	48.14	23.4	1112.7	497.8	23.6
20	1290.0	12.00	49.28	17.2	1132.0	519.9	16.4
21	1320.0	12.00	50.43	10.9	1150.9	542.3	9.2
22	1350.0	12.00	51.60	4.7	1169.4	565.1	2.0

===== End of drillpath =====

=====

Surface Profile Data Input

=====

Station #	Location (ft)	Elevation (ft)
1	0.00	10.00
2	75.00	5.00
3	150.00	3.00
4	300.00	4.00
5	400.00	5.00
6	500.00	4.00
7	700.00	5.00
8	900.00	8.00
9	1000.00	11.00
10	1100.00	12.00
11	1200.00	12.00
12	1350.00	7.00

Minimum Cover Depth: None

Elevation--Elevation referenced from sea level

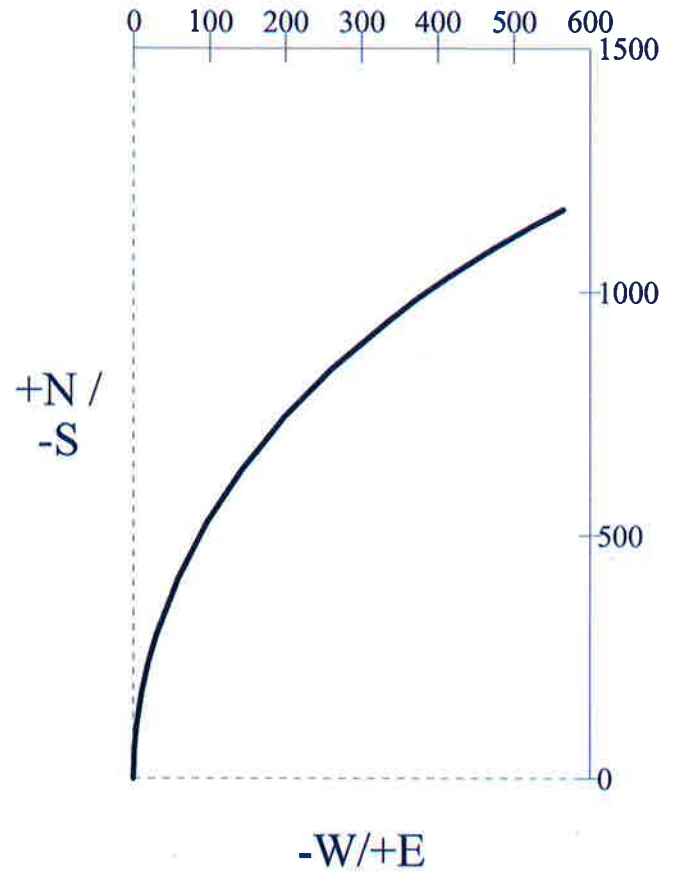
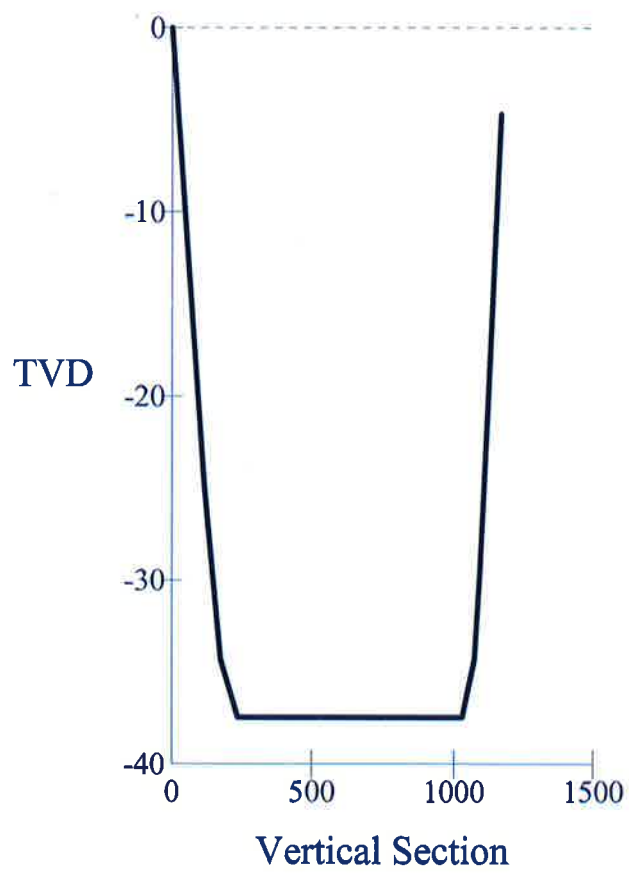
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Obstacles to Avoid

=====

Obstacle #	Location (ft)	Elevation (ft)
1	537.00	-1.00
2	1104.00	-1.60
3	78.00	3.20

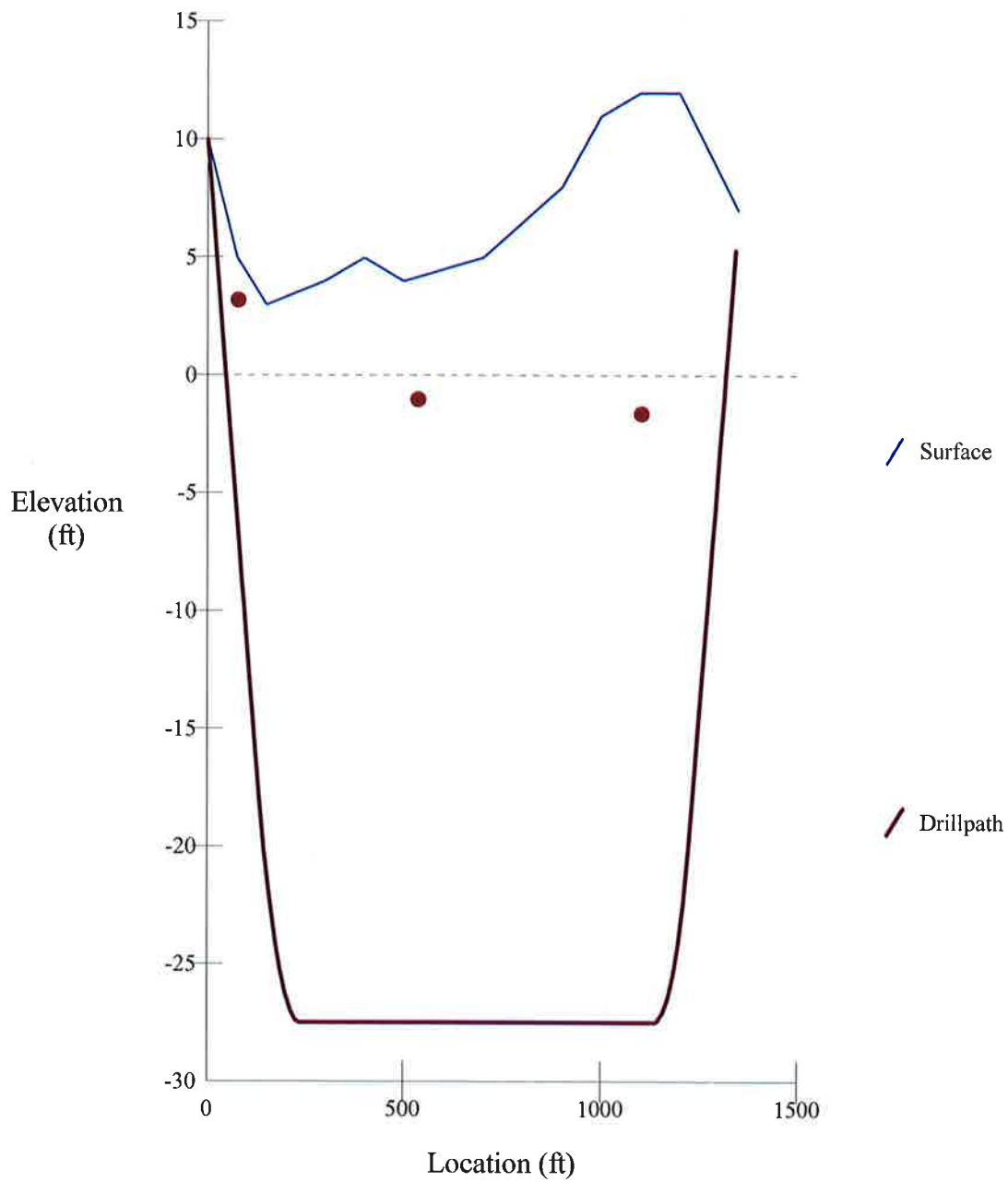
Minimum Clearance = 0. (ft)



=====
Cover Depth Profile
=====

Location (ft)	Surface Depth (ft)	Drillpath Depth (ft)	Cover Depth (ft)
0.0	0.0	0.0	0.0
44.8	3.0	9.5	6.5
75.0	5.0	15.9	10.9
89.6	5.4	19.0	13.6
134.3	6.6	28.3	21.7
150.0	7.0	30.9	23.9
179.1	6.8	34.6	27.8
223.9	6.5	37.3	30.8
268.7	6.2	37.5	31.3
300.0	6.0	37.5	31.5
313.5	5.9	37.5	31.6
358.2	5.4	37.5	32.1
400.0	5.0	37.5	32.5
403.0	5.0	37.5	32.4
447.8	5.5	37.5	32.0
492.6	5.9	37.5	31.5
500.0	6.0	37.5	31.5
537.4	5.8	37.5	31.7
582.1	5.6	37.5	31.9
626.9	5.4	37.5	32.1
671.7	5.1	37.5	32.3
700.0	5.0	37.5	32.5
716.5	4.8	37.5	32.7
761.3	4.1	37.5	33.4
806.0	3.4	37.5	34.1
850.8	2.7	37.5	34.7
895.6	2.1	37.5	35.4
900.0	2.0	37.5	35.5
940.4	0.8	37.5	36.7
985.1	-0.6	37.5	38.0
1000.0	-1.0	37.5	38.5
1029.9	-1.3	37.5	38.8
1074.7	-1.7	37.5	39.2
1100.0	-2.0	37.5	39.5
1119.5	-2.0	37.5	39.5
1164.3	-2.0	36.8	38.8
1200.0	-2.0	33.9	35.9
1209.0	-1.7	32.7	34.4
1253.8	-0.2	23.7	23.9
1298.6	1.3	14.2	12.9
1343.4	2.8	4.7	1.9

Surface/Drill Path Profile

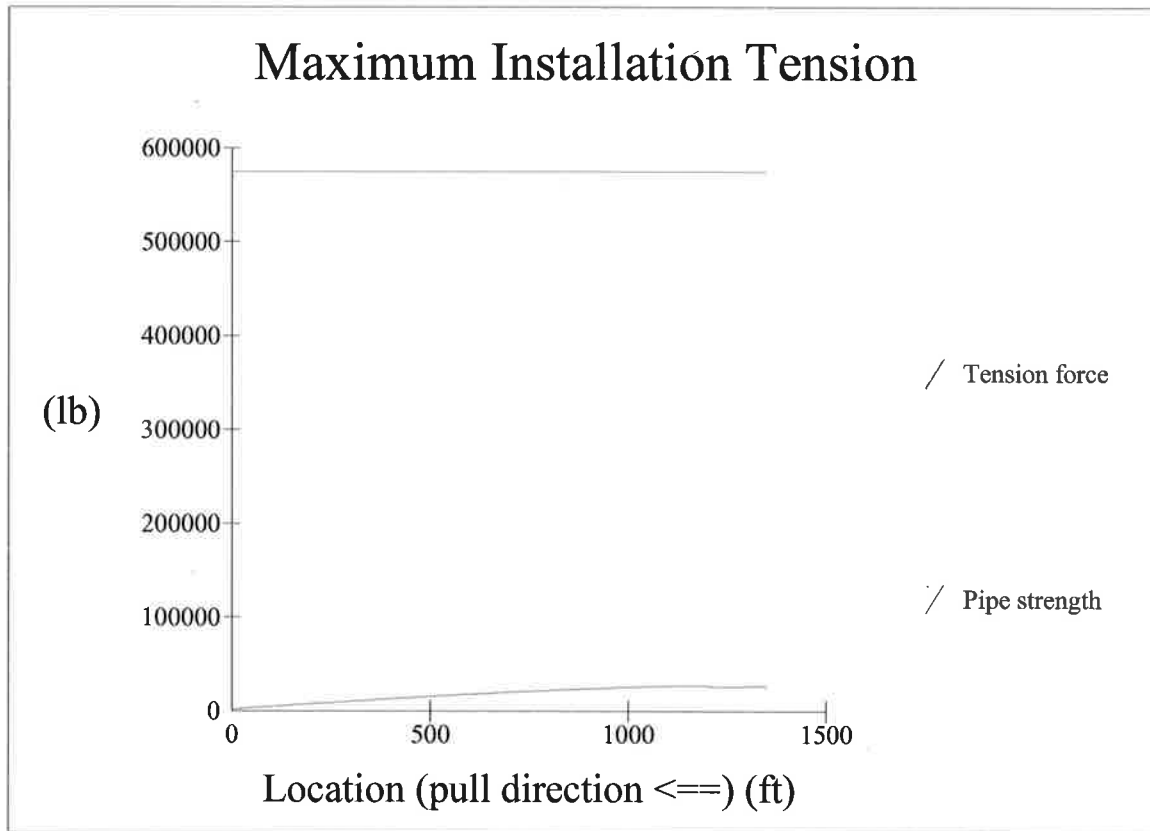


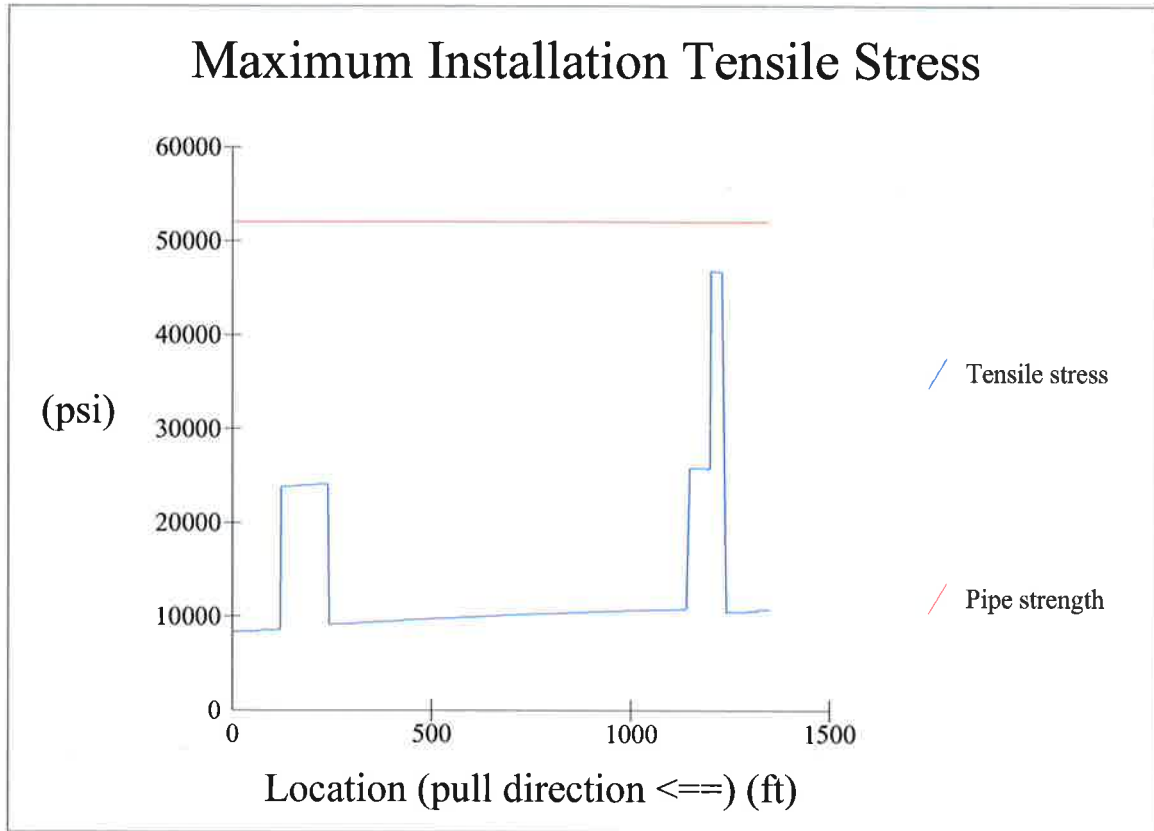
Pipe Design Output Table

Tension capacity = 574455 lb
Tensile stress capacity = 52000 psi

ML (ft)	Tension (lb)	Tensile Stress (psi)
0.0	2356	8393
13.5	2586	8414
27.0	2978	8450
30.0	3071	8458
40.5	3393	8416
54.0	3820	8455
60.0	4015	8472
67.5	4257	8565
81.0	4702	8606
90.0	5002	8633
94.5	5151	8575
108.0	5603	8616
120.0	6004	8652
121.5	6054	23875
135.0	6448	23910
148.5	6830	23945
162.0	7203	23978
175.5	7564	24011
180.0	7681	24022
189.0	7915	24063
202.5	8256	24094
216.0	8585	24123
229.5	8904	24152
240.0	9164	24176
243.0	9239	9163
256.5	9634	9199
270.0	10026	9234
283.5	10414	9270
297.0	10800	9304
300.0	10885	9312
310.5	11182	9339
324.0	11561	9373
337.5	11936	9407
351.0	12308	9441
364.5	12676	9474
378.0	13040	9507
391.5	13401	9540
405.0	13758	9572
418.5	14112	9604
420.0	14151	9608
432.0	14461	9654
445.5	14807	9685
459.0	15149	9716
472.5	15487	9747
486.0	15822	9777
499.5	16153	9807
513.0	16480	9837
526.5	16803	9866
540.0	17123	9895
553.5	17439	9905
567.0	17752	9934
580.5	18060	9962
594.0	18366	9989
607.5	18667	10016
621.0	18965	10043
634.5	19259	10070
648.0	19550	10096
660.0	19806	10120
661.5	19838	10141
675.0	20121	10166
688.5	20401	10192
702.0	20678	10217
715.5	20951	10241
729.0	21220	10266

742.5	21487	10290
756.0	21749	10380
769.5	22009	10337
780.0	22208	10355
783.0	22265	10342
796.5	22518	10365
810.0	22768	10388
823.5	23014	10410
837.0	23257	10432
850.5	23498	10454
864.0	23734	10475
877.5	23968	10496
891.0	24198	10517
900.0	24350	10531
904.5	24426	10556
918.0	24650	10576
931.5	24871	10596
945.0	25089	10616
958.5	25303	10635
972.0	25515	10655
985.5	25724	10673
999.0	25930	10692
1012.5	26133	10710
1020.0	26244	10721
1026.0	26333	10711
1039.5	26531	10728
1053.0	26725	10746
1066.5	26917	10763
1080.0	27106	10780
1093.5	27292	10797
1107.0	27476	10814
1120.5	27656	10830
1134.0	27834	10846
1140.0	27844	10847
1147.5	27856	25868
1161.0	27711	25855
1174.5	27564	25841
1188.0	27416	25828
1200.0	27246	25813
1201.5	27225	46872
1215.0	26703	46825
1228.5	26191	46778
1230.0	26203	46779
1242.0	26297	10560
1255.5	26445	10574
1260.0	26494	10578
1269.0	26592	10516
1282.5	26737	10529
1290.0	26816	10536
1296.0	26880	10613
1309.5	27019	10626
1320.0	27125	10635
1323.0	27156	10781
1336.5	27288	10793
1350.0	27419	10805



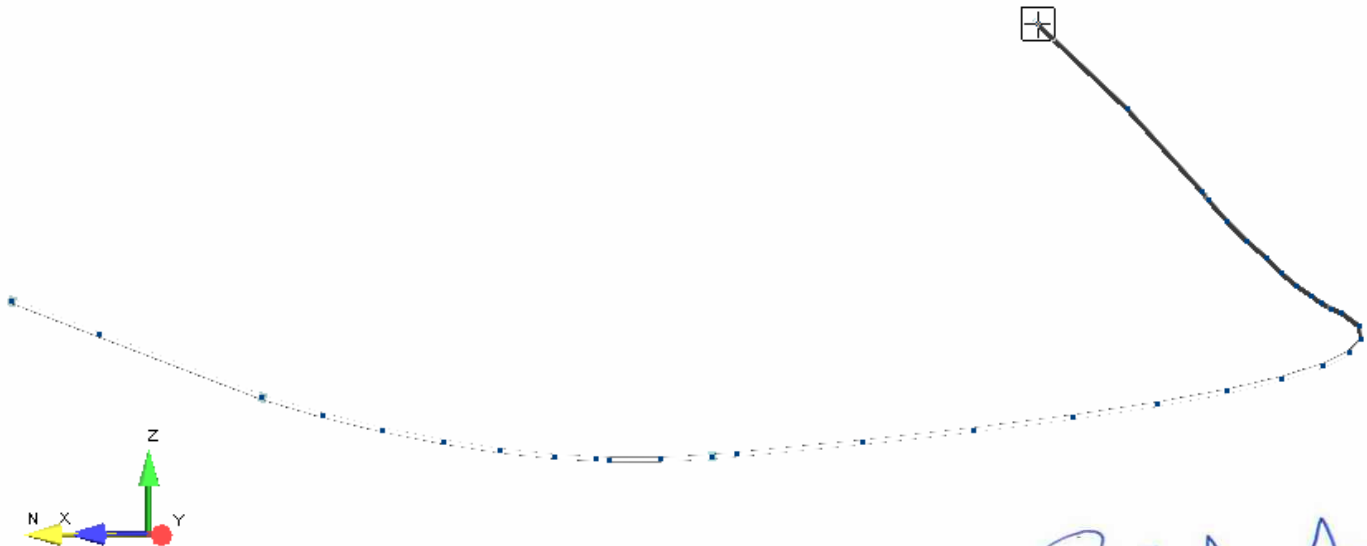


Project: *VHB Pomeroy Cove*

Document Title: *10 inch HDD*

Abstract

Stress calculation and analysis report for the operating 10" HDD gas line at Pomeroy Cove



0	11/14/15	Preliminary For Review	J.Chan	SNZ	---
Rev	Date	Reason for issue	Prepared by	Checked by	Approved by

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INPUT DATA LISTING

1. PIPE DATA LISTING

Pipe ID/ Material CladMaterial ---Line Class---	Nom/ Sch	O.D. inch	-----Thickness(inch)-----				Spec Grav/ InsMt	InsuDen/ LingDen/ CladDen lb/cu.ft	Weight(lb/ft)			ZL/ ZC	Composition/
			W.Th.	Corr	Mill	Insu	Ling		Pipe/ Cont	Ling/ Insu/ Clad	Total		

Tag No. : <None>													
P10	10	10.750	0.365	0.06	0.05	0	0	0	0.000	40.44	0	40.44	1.00
5LX-X52	STD								0.000	0			1.00
			0						0.000				0

2. MATERIAL DATA LISTING

Material Name	Pipe ID	Density lb/cu.ft	Pois. Ratio	Temper. deg F	Modulus E6 psi			Expans. in/100ft	Composition
					Axial	Hoop	Shear		

5LX-X52	P10	489.0	0.30	70.0	29.500	29.500	11.346		
				40.0	29.624			-0.2120	

3. MATERIAL ALLOWABLE DATA LISTING

Material Name	Pipe ID	Temper. deg F	Yield psi

5LX-X52	P10	70.0	52000.0

4. OPERATING TEMPERATURE AND PRESSURE DATA STRESSES

POINT NAME	CASE	PRESS. psi	TEMPER deg F	EXPAN. in/100ft	MODULUS E6 psi	YIELD STRESS

*** SEGMENT A						
A00	T1	492	40.00	-0.212	29.624	52000
A35	Same as previous point.					

5. SOIL DATA LISTING

SOIL STIFFNESS PROPERTIES (S10CD)

Dirn	Auto	Initial K (lb/in/ft)	Auto	Yield P (lb/ft)	Final K (lb/in/ft)	Yield disp (in)
Low Stiffness						
Horiz.	Y	1250.000	Y	2015.625	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	2161.563	Y	4647.361	0.100	2.1500
High Stiffness						
Horiz.	Y	1250.000	Y	2015.625	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	2486.870	Y	5346.770	0.100	2.1500
Average Stiffness						
Horiz.	Y	1250.000	Y	2015.625	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	2324.216	Y	4997.065	0.100	2.1500

SOIL PARAMETERS (S10CD)

Calculation Method : American Lifeline Alliance (ASCE 2001)
Soil Type : Soft Clay
Pipe Direction : Horizontal

Parameters	Low	High	Average
Outside Diameter, D [in]	10.75		
Depth to Centerline, H [inch]	468.00		
Effective Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Total Unit Wt. below pipe [lb/cu.ft]	100.00	120.00	110.00
Dry Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Soil Cohesion, c [psf]	250.00	250.00	250.00
Friction Angle, phi [deg]	0.00	0.00	0.00
Horizontal Yield Displacement, dp [inch]	1.61	1.61	1.61
Longitudinal Yield Displacement, dt [inch]	0.40	0.40	0.40
Vertical Up Yield Displacement, dqu [inch]	2.15	2.15	2.15
Vertical Dn Yield Displacement, dqd [inch]	2.15	2.15	2.15

Computed soil parameters (ASCE Method):

Longitudinal	Adhesion alpha	1.00	1.00	1.00
	Pipe/Soil delta=f*phi [deg]	0.00	0.00	0.00
Horizontal	Nch	9.00	9.00	9.00
	Nqh	0.00	0.00	0.00
Vertical Up	Ncv	10.00	10.00	10.00
	Nqv	0.00	0.00	0.00
	Soil Weight on top Ws [lb/ft]	3493.75	4192.50	3843.12
Vertical Down	Nc	5.14	5.14	5.14
	Nq	1.00	1.00	1.00
	Ngamma	0.08	0.08	0.08

SOIL STIFFNESS PROPERTIES (S10DE)

Dirn	Auto	Initial K (lb/in/ft)	Auto	Yield P (lb/ft)	Final K (lb/in/ft)	Yield disp (in)
Low Stiffness						
Horiz.	Y	1250.000	Y	2015.625	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	1890.730	Y	4065.070	0.100	2.1500
High Stiffness						
Horiz.	Y	1250.000	Y	2015.625	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	2161.870	Y	4648.020	0.100	2.1500
Average Stiffness						
Horiz.	Y	1250.000	Y	2015.625	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	2026.300	Y	4356.545	0.100	2.1500

SOIL PARAMETERS (S10DE)

Calculation Method : American Lifeline Alliance (ASCE 2001)
Soil Type : Soft Clay
Pipe Direction : Horizontal

Parameters	Low	High	Average
Outside Diameter, D [in]	10.75		
Depth to Centerline, H [inch]	390.00		
Effective Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Total Unit Wt. below pipe [lb/cu.ft]	100.00	120.00	110.00
Dry Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Soil Cohesion, c [psf]	250.00	250.00	250.00
Friction Angle, phi [deg]	0.00	0.00	0.00
Horizontal Yield Displacement, dp [inch]	1.61	1.61	1.61
Longitudinal Yield Displacement, dt [inch]	0.40	0.40	0.40
Vertical Up Yield Displacement, dqu [inch]	2.15	2.15	2.15
Vertical Dn Yield Displacement, dqd [inch]	2.15	2.15	2.15

Computed soil parameters (ASCE Method):

Longitudinal	Adhesion alpha	1.00	1.00	1.00
	Pipe/Soil delta=f*phi [deg]	0.00	0.00	0.00
Horizontal	Nch	9.00	9.00	9.00
	Nqh	0.00	0.00	0.00
Vertical Up	Ncv	10.00	10.00	10.00
	Nqv	0.00	0.00	0.00
	Soil Weight on top Ws [lb/ft]	2911.46	3493.75	3202.60
Vertical Down	Nc	5.14	5.14	5.14
	Nq	1.00	1.00	1.00
	Ngamma	0.08	0.08	0.08

SOIL STIFFNESS PROPERTIES (S10EF)

Dirn	Auto	Initial K (lb/in/ft)	Auto	Yield P (lb/ft)	Final K (lb/in/ft)	Yield disp (in)

Low Stiffness						
Horiz.	Y	1051.625	Y	1695.745	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	1036.563	Y	2228.611	0.100	2.1500
High Stiffness						
Horiz.	Y	1051.625	Y	1695.745	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	1136.870	Y	2444.270	0.100	2.1500
Average Stiffness						
Horiz.	Y	1051.625	Y	1695.745	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	1086.717	Y	2336.441	0.100	2.1500

SOIL PARAMETERS (S10EF)

Calculation Method : American Lifeline Alliance (ASCE 2001)
Soil Type : Soft Clay
Pipe Direction : Horizontal

Parameters	Low	High	Average

Outside Diameter, D [in]	10.75		
Depth to Centerline, H [inch]	144.00		
Effective Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Total Unit Wt. below pipe [lb/cu.ft]	100.00	120.00	110.00
Dry Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Soil Cohesion, c [psf]	250.00	250.00	250.00
Friction Angle, phi [deg]	0.00	0.00	0.00
Horizontal Yield Displacement, dp [inch]	1.61	1.61	1.61
Longitudinal Yield Displacement, dt [inch]	0.40	0.40	0.40
Vertical Up Yield Displacement, dqu [inch]	2.15	2.15	2.15
Vertical Dn Yield Displacement, dqd [inch]	2.15	2.15	2.15

Computed soil parameters (ASCE Method):

Longitudinal	Adhesion alpha	1.00	1.00	1.00
	Pipe/Soil delta=f*phi [deg]	0.00	0.00	0.00
Horizontal	Nch	7.57	7.57	7.57
	Nqh	0.00	0.00	0.00
Vertical Up	Ncv	10.00	10.00	10.00
	Nqv	0.00	0.00	0.00
	Soil Weight on top Ws [lb/ft]	1075.00	1290.00	1182.50
Vertical Down	Nc	5.14	5.14	5.14
	Nq	1.00	1.00	1.00
	Ngamma	0.08	0.08	0.08

SOIL STIFFNESS PROPERTIES (S10BC)

Dirn	Auto	Initial K (lb/in/ft)	Auto	Yield P (lb/ft)	Final K (lb/in/ft)	Yield disp (in)

Low Stiffness						
Horiz.	Y	1246.453	Y	2009.905	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	1817.813	Y	3908.299	0.100	2.1500
High Stiffness						
Horiz.	Y	1246.453	Y	2009.905	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	2074.370	Y	4459.895	0.100	2.1500
Average Stiffness						
Horiz.	Y	1246.453	Y	2009.905	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	1946.091	Y	4184.097	0.100	2.1500

SOIL PARAMETERS (S10BC)

Calculation Method : American Lifeline Alliance (ASCE 2001)
Soil Type : Soft Clay
Pipe Direction : Horizontal

Parameters	Low	High	Average

Outside Diameter, D [in]	10.75		
Depth to Centerline, H [inch]	369.00		
Effective Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Total Unit Wt. below pipe [lb/cu.ft]	100.00	120.00	110.00
Dry Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Soil Cohesion, c [psf]	250.00	250.00	250.00
Friction Angle, phi [deg]	0.00	0.00	0.00
Horizontal Yield Displacement, dp [inch]	1.61	1.61	1.61
Longitudinal Yield Displacement, dt [inch]	0.40	0.40	0.40
Vertical Up Yield Displacement, dqu [inch]	2.15	2.15	2.15
Vertical Dn Yield Displacement, dqd [inch]	2.15	2.15	2.15

Computed soil parameters (ASCE Method):

Longitudinal	Adhesion alpha	1.00	1.00	1.00
	Pipe/Soil delta=f*phi [deg]	0.00	0.00	0.00
Horizontal	Nch	8.97	8.97	8.97
	Nqh	0.00	0.00	0.00
Vertical Up	Ncv	10.00	10.00	10.00
	Nqv	0.00	0.00	0.00
	Soil Weight on top Ws [lb/ft]	2754.69	3305.62	3030.16
Vertical Down	Nc	5.14	5.14	5.14
	Nq	1.00	1.00	1.00
	Ngamma	0.08	0.08	0.08

SOIL STIFFNESS PROPERTIES (S10AB)

Dirn	Auto	Initial K (lb/in/ft)	Auto	Yield P (lb/ft)	Final K (lb/in/ft)	Yield disp (in)

Low Stiffness						
Horiz.	Y	1028.716	Y	1658.804	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	953.230	Y	2049.445	0.100	2.1500
High Stiffness						
Horiz.	Y	1028.716	Y	1658.804	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	1036.870	Y	2229.270	0.100	2.1500
Average Stiffness						
Horiz.	Y	1028.716	Y	1658.804	0.100	1.6125
Long.	Y	1765.430	Y	706.172	0.100	0.4000
Vert. Up	Y	1041.667	Y	2239.583	0.100	2.1500
Vert. Dn	Y	995.050	Y	2139.357	0.100	2.1500

SOIL PARAMETERS (S10AB)

Calculation Method : American Lifeline Alliance (ASCE 2001)
Soil Type : Soft Clay
Pipe Direction : Horizontal

Parameters	Low	High	Average

Outside Diameter, D [in]	10.75		
Depth to Centerline, H [inch]	120.00		
Effective Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Total Unit Wt. below pipe [lb/cu.ft]	100.00	120.00	110.00
Dry Unit Wt. above pipe [lb/cu.ft]	100.00	120.00	110.00
Soil Cohesion, c [psf]	250.00	250.00	250.00
Friction Angle, phi [deg]	0.00	0.00	0.00
Horizontal Yield Displacement, dp [inch]	1.61	1.61	1.61
Longitudinal Yield Displacement, dt [inch]	0.40	0.40	0.40
Vertical Up Yield Displacement, dqu [inch]	2.15	2.15	2.15
Vertical Dn Yield Displacement, dqd [inch]	2.15	2.15	2.15

Computed soil parameters (ASCE Method):

Longitudinal	Adhesion alpha	1.00	1.00	1.00
	Pipe/Soil delta=f*phi [deg]	0.00	0.00	0.00
Horizontal	Nch	7.41	7.41	7.41
	Nqh	0.00	0.00	0.00
Vertical Up	Ncv	10.00	10.00	10.00
	Nqv	0.00	0.00	0.00
	Soil Weight on top Ws [lb/ft]	895.83	1075.00	985.42
Vertical Down	Nc	5.14	5.14	5.14
	Nq	1.00	1.00	1.00
	Ngamma	0.08	0.08	0.08

6. LOAD SUMMARY DATA LISTING

EARTHQUAKE LOAD CASES

Number of load cases : 4

Load case 1 - E1

Seismic Code : ASCE 2010

Site Class	:	D: Stiff Soil	** (Could be Site Class E as well)
Latitude	:	43.1260	
Longitude	:	-70.8355	
Mapped Spectral Response (Ss)	:	0.2818	
Maximum Considered Earthquake (Fa)	:	1.5746	
Importance Factor (Ip)	:	1.5000	
Attachment Height (z)	:	0.0000 ft	
Roof Height (h)	:	30.0000 ft	
Component Response (Rp)	:	12.0	
Amplification Factor (ap)	:	2.5	
Multiplication Factor (f)	:	1.0000	

Vertical Factor : 0.5000

X-Resultant = 0.133 Y-Resultant = 0.133 Z-Resultant = 0.067

Load case 2 - E2

Seismic Code : User-defined

X-Resultant = 0.133 Y-Resultant = -0.133 Z-Resultant = 0.067

Load case 3 - E3

Seismic Code : User-defined

X-Resultant = -0.133 Y-Resultant = 0.133 Z-Resultant = 0.067

Load case 4 - E4

Seismic Code : User-defined

X-Resultant = -0.133 Y-Resultant = -0.133 Z-Resultant = 0.067

** Note if site class E (soft clay soil) was used, the resulting factors would be $F_h = 0.2027g$; $F_v = 0.1014$

This has very little effect on the stress of the piping and the results are not shown in this condensed report.

7. LOAD CASE DEFINITIONS

CODE COMPLIANCE COMBINATIONS

<Description> Combination	Category	Method	Case/Combination	Factor	M/S	K-Factor	Allowable (psi)	D/A/P
GR + Max P	Sustain	Sum	GR Max Long	1.00 1.00			Automatic	Y Y Y
Amb to T1	Expansion	Sum	T1	1.00			Automatic	Y Y Y
Sus. + E1	Occasion	Abs sum	E1 Max Sus	1.00 1.00		0.750	Automatic	Y Y Y
Sus. + E2	Occasion	Abs sum	E2 Max Sus	1.00 1.00		0.750	Automatic	Y Y Y
Sus. + E3	Occasion	Abs sum	E3 Max Sus	1.00 1.00		0.750	Automatic	Y Y Y
Sus. + E4	Occasion	Abs sum	E4 Max Sus	1.00 1.00		0.750	Automatic	Y Y Y
Max P	Hoop	Sum	Max Hoop	1.00			Automatic	Y Y Y
GRTP1	Rest-Fun	Sum	Max Long Max Hoop GR T1 P1	1.00 1.00 1.00 1.00 1.00			Automatic	Y Y Y
GRTP1+E1	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E1	1.00 1.00 1.00 1.00 1.00 1.00			Automatic	Y Y Y
GRTP1-E1	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E1	1.00 1.00 1.00 1.00 1.00 -1.00			Automatic	Y Y Y
GRTP1+E2	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E2	1.00 1.00 1.00 1.00 1.00 1.00			Automatic	Y Y Y

CODE COMPLIANCE COMBINATIONS CONTINUED...

<Description> Combination	Category	Method	Case/Combination	Factor	M/S	K-Factor	Allowable (psi)	D/A/P
GRTP1-E2	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E2	1.00 1.00 1.00 1.00 1.00 -1.00			Automatic	Y Y Y
GRTP1+E3	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E3	1.00 1.00 1.00 1.00 1.00 1.00			Automatic	Y Y Y
GRTP1-E3	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E3	1.00 1.00 1.00 1.00 1.00 -1.00			Automatic	Y Y Y
GRTP1+E4	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E4	1.00 1.00 1.00 1.00 1.00 1.00			Automatic	Y Y Y
GRTP1-E4	Rest-Env	Sum	Max Long Max Hoop GR T1 P1 E4	1.00 1.00 1.00 1.00 1.00 -1.00			Automatic	Y Y Y
REST: Amb to T1	Pres.Thrust	Sum	T1	1.00			Automatic	Y Y Y

Notes:

D/A/P: [D]efault/[A]uto-Update/[P]rint options (Y=Yes, N=No)

NON-CODE COMBINATIONS

<Description> Combination	Method	Case/Combination	Factor	D/A/P
Gravity	Sum	GR	1.00	Y Y N
<40.00 deg F> Thermal 1	Sum	T1	1.00	Y Y N
< 0.13, 0.13, 0.07> Static Seismic 1	Sum	E1	1.00	Y Y N
< 0.13, -0.13, 0.07> Static Seismic 2	Sum	E2	1.00	Y Y N
< -0.13, 0.13, 0.07> Static Seismic 3	Sum	E3	1.00	Y Y N
< -0.13, -0.13, 0.07> Static Seismic 4	Sum	E4	1.00	Y Y N
Pressure 1	Sum	P1	1.00	Y Y N
GT1	Sum	GR T1	1.00 1.00	Y Y N
<OPERATING CONDITION> GT1P1	Sum	GR T1 P1	1.00 1.00 1.00	Y Y Y
<OCCASIONAL 1> GT1P1E1	Sum	GR T1 P1 E1	1.00 1.00 1.00 1.00	Y Y Y
<OCCASIONAL 2> GT1P1E2	Sum	GR T1 P1 E2	1.00 1.00 1.00 1.00	Y Y Y
<OCCASIONAL 3> GT1P1E3	Sum	GR T1 P1 E3	1.00 1.00 1.00 1.00	Y Y Y
<OCCASIONAL 4> GT1P1E4	Sum	GR T1 P1 E4	1.00 1.00 1.00 1.00	Y Y Y

SYSTEM SUMMARY

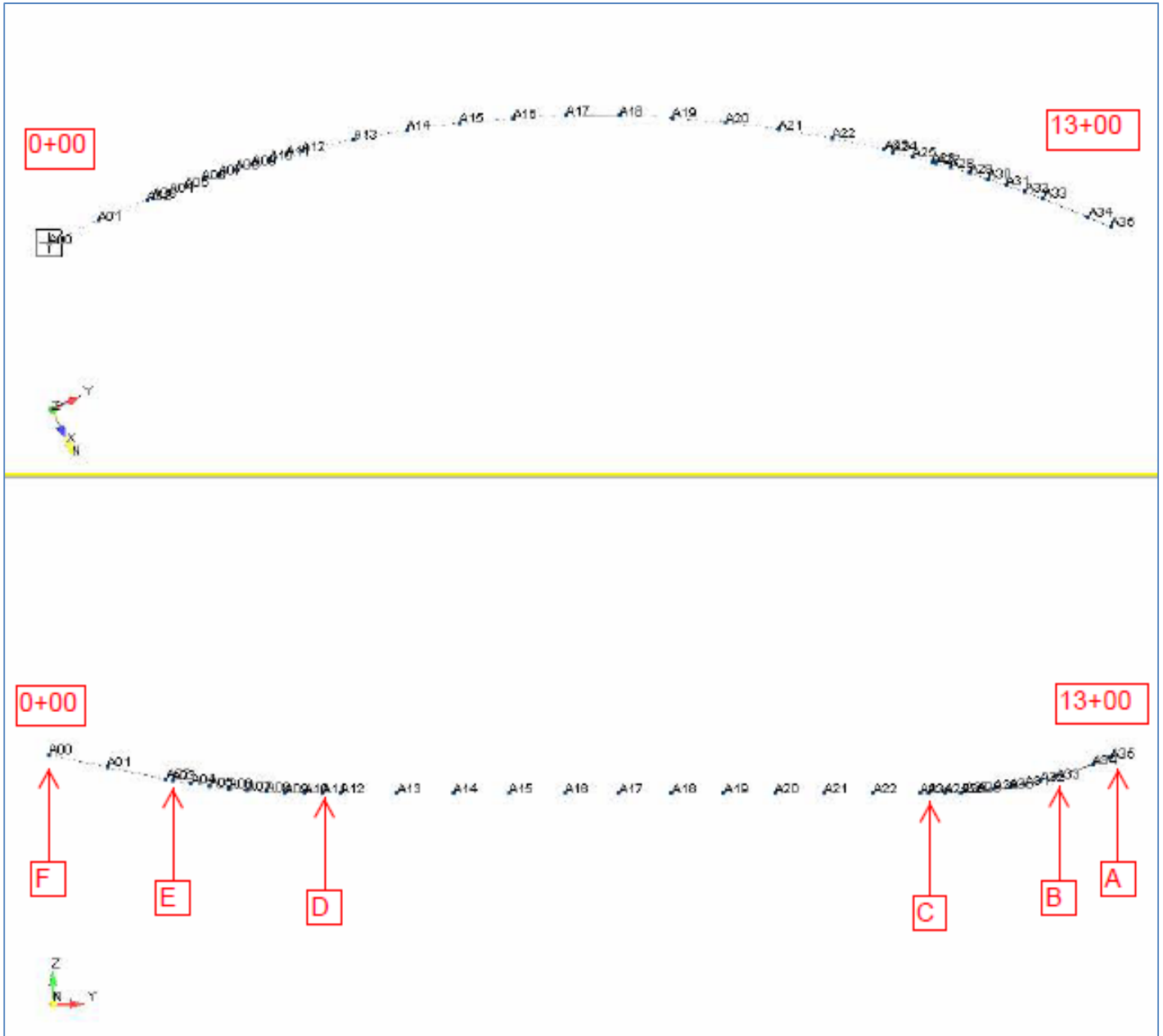
The 10" gas line to be installed via Horizontal Directional Drilling (HDD) at Pomeroy Cove, Dover, New Hampshire, satisfies the ASME B31.8 (2012) code requirements based on the assumptions used in the model. For nodes layout, code stress summary, and soil forces and deformation please refer to the Appendices below.

A number of **assumptions** were made to analyze this model:

1. Design temperature assumed to be in the range of 40 degF to 70 degF
2. Maximum Allowable Operating Pressure (MAOP) of gas assumed to be 492 psig
3. Modeling of piping curvature in AutoPIPE is an approximation and actual elevation and depth of pipe may vary slightly from HDD Plan and Profile Drawing No.1 and No.2 provided by client
4. As directed, soil input parameters have been reviewed by client and typical values for "Soft Clay" and "Medium Sand" have been used in the calculations. The analysis reported here is for "Soft Clay" only. A separate "Medium Sand" analysis was conducted with satisfactory results, although not reported here
5. Soil input has been broken down into five (5) segments, AB, BC, CD, DE, and EF. These are labeled as shown in Appendix A. For the sloped segments an average depth of pipe was used in the calculations.
6. Stress analysis model shall be reviewed by client's engineering representative

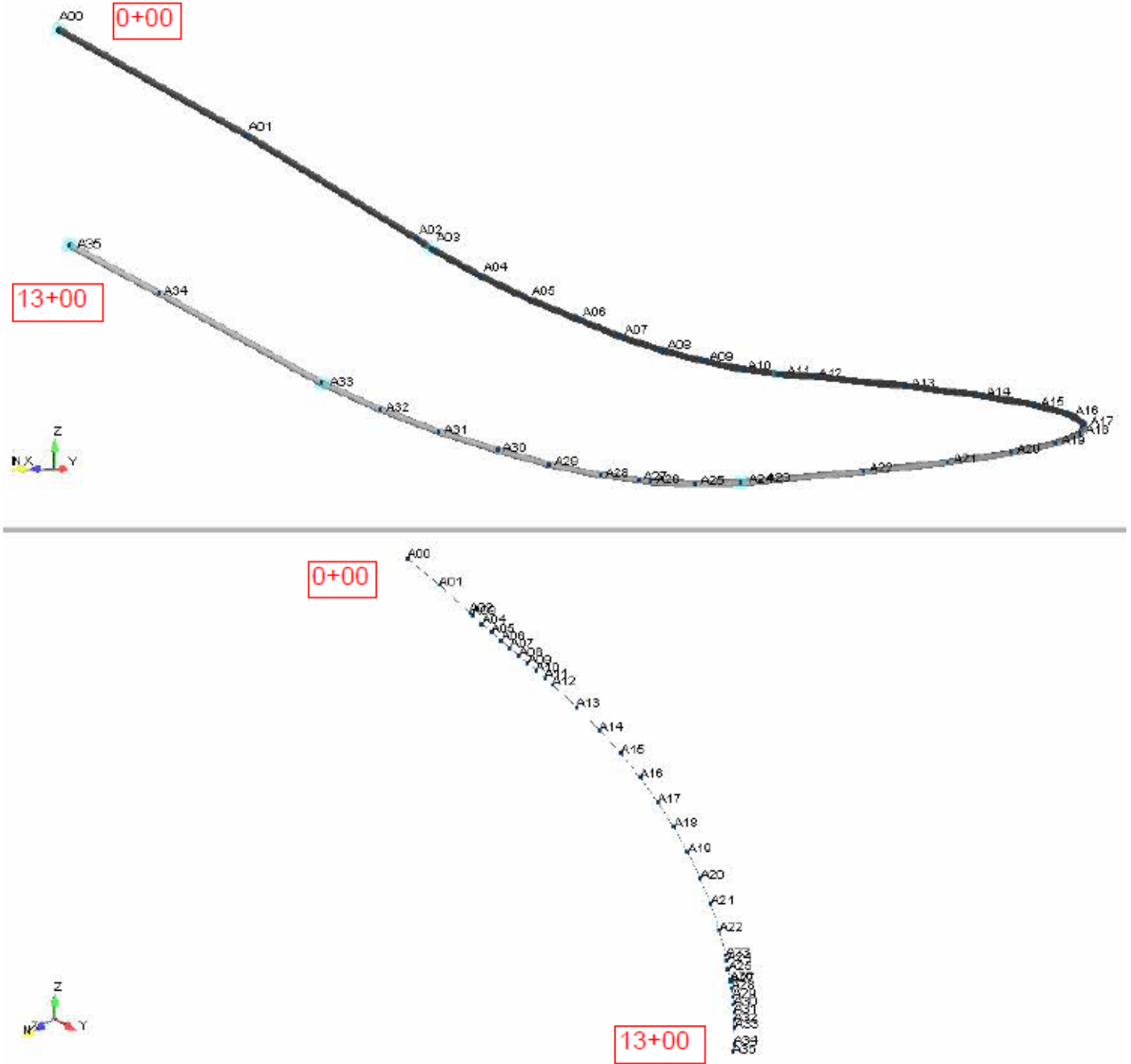
APPENDIX A

SYSTEM NODE LAYOUT



206 Avenue C, Williston, VT 05495

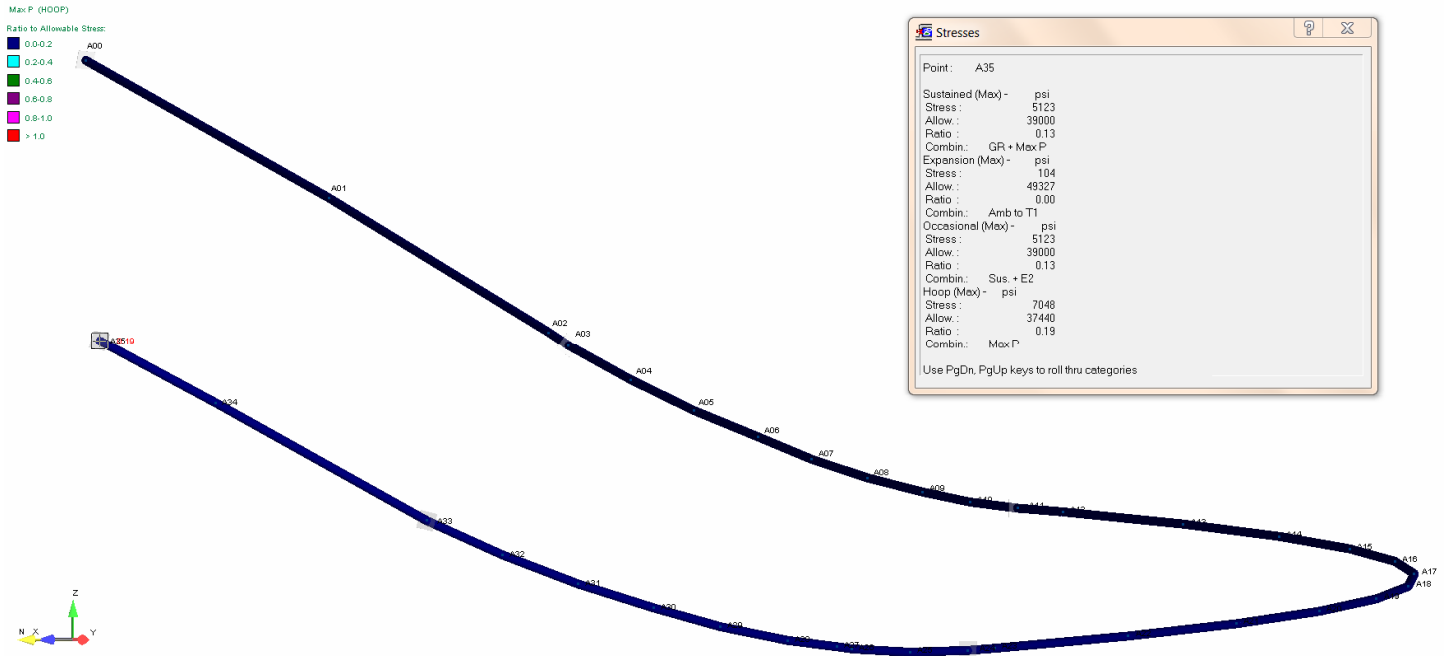
Tel: 802-863-5548 Fax: 802-863-5588



Note: For exact node locations please find attached CAD drawing file **VHB Pomeroy Cove 10in HDD (11-09-15).dxf**

APPENDIX B

CODE STRESS RATIO



CODE STRESS SUMMARY

Maximum sustained stress ratio

Point : A34
Stress psi : 5130
Allowable psi : 39000
Ratio : 0.13
Load combination : GR + Max P

Maximum displacement stress ratio

Point : A17
Stress psi : 8469
Allowable psi : 50311
Ratio : 0.17
Load combination : Amb to T1

Maximum occasional stress ratio

Point : A34
Stress psi : 5130
Allowable psi : 39000
Ratio : 0.13
Load combination : Sus. + E2

Maximum hoop stress ratio

Point : A00
Stress psi : 7048
Allowable psi : 37440
Ratio : 0.19
Load combination : Max P

* * * The system satisfies ASME B31.8 (2012) code requirements * * *
* * * for the selected options * * *

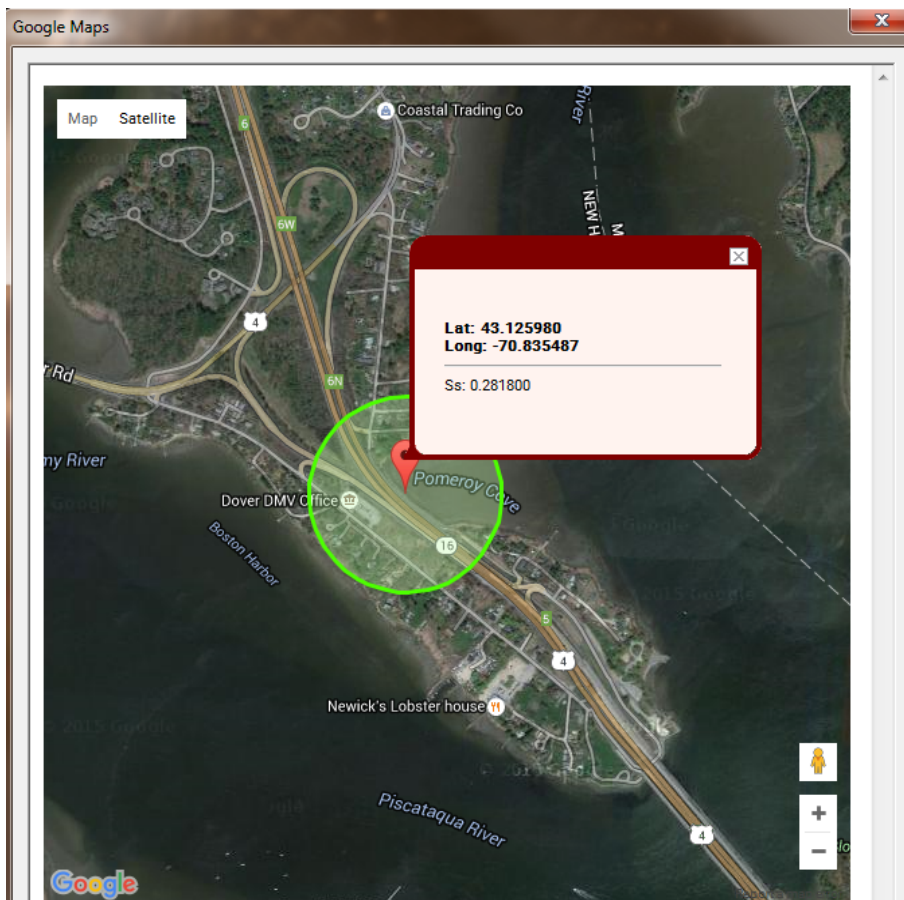
APPENDIX C

SEISMIC FACTOR CALCULATION

ASCE 2010

Site Class :	E	☐ Zip Code :	
Importance Factor (Ip) :	1.500	☒ Latitude :	43.12598
Attachment Height (z) :	0.000	Longitude :	-70.83549
Roof Height (h) :	30.000	☐ Mapped Spectral Response (Ss) :	0.28180
Component Response (Rp) :	12.0	Maximum Considered Earthquake (Fa) :	2.39824
Amplification Factor (ap) :	2.500	Show Location on Map	
Multiplication Factor (f) :	1.000		

OK Cancel Help



AutoPIPE yielded the factors calculated in Section 6 and using a vertical factor of 0.5

206 Avenue C, Williston, VT 05495

Tel: 802-863-5548 Fax: 802-863-5588



APPENDIX D

SOIL FORCES & DEFORMATIONS AND DETAILED CODE COMPLIANCE

See Attachment

BENTLEY SYSTEMS, INCORPORATED
1600 Riviera Ave., Suite 300
Walnut Creek, CA 94596

10in HDD Soft Clay
11/14/2015 10 IN HDD
11:18 AM

BENTLEY
AutoPIPE Advanced 9.6.1.11

```
*****
**                                     **
**          AUTOPIPE SYSTEM INFORMATION          **
**                                     **
*****
```

SYSTEM NAME : 10in HDD Soft Clay

PROJECT ID : 10 IN HDD

PREPARED BY : _____
JC

CHECKED BY : _____

1ST APPROVER : _____

2ND APPROVER : _____

PIPING CODE : ASME B31.8

YEAR : 2012

VERTICAL AXIS : Z

AMBIENT TEMPERATURE : 70.0 deg F

COMPONENT LIBRARY : AUTOPIPE

MATERIAL LIBRARY : B318-12

MODEL REVISION NUMBER : 5

10in HDD Soft Clay
11/14/2015 10 IN HDD
11:18 AM

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AutoPIPE Advanced 9.6.1.11

T A B L E O F C O N T E N T S

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Result Summary.....	237

10in HDD Soft Clay
11/14/2015 10 IN HDD
11:18 AM

BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 24

S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
*** Segment A begin ***							
A00	GT1P1	-301.50	39.62	-0.12	-0.17	0.02	0.00
	GT1P1E1	-306.18	35.89	-5.39	-0.17	0.02	0.00
	GT1P1E2	-295.62	38.03	-5.62	-0.17	0.02	0.00
	GT1P1E3	-306.28	35.93	5.37	-0.17	0.02	0.00
	GT1P1E4	-295.71	38.07	5.15	-0.17	0.02	0.00
+1	GT1P1	-290.96	39.63	-0.11	-0.16	0.02	0.00
	GT1P1E1	-295.64	35.90	-5.38	-0.17	0.02	0.00
	GT1P1E2	-285.08	38.04	-5.60	-0.16	0.02	0.00
	GT1P1E3	-295.74	35.94	5.39	-0.17	0.02	0.00
	GT1P1E4	-285.17	38.08	5.17	-0.16	0.02	0.00
+2	GT1P1	-280.78	39.65	-0.06	-0.16	0.02	0.00
	GT1P1E1	-285.46	35.91	-5.33	-0.16	0.02	0.00
	GT1P1E2	-274.90	38.05	-5.55	-0.16	0.02	0.00
	GT1P1E3	-285.56	35.96	5.44	-0.16	0.02	0.00
	GT1P1E4	-275.00	38.10	5.21	-0.16	0.02	0.00
+3	GT1P1	-270.95	39.67	0.05	-0.15	0.02	0.00
	GT1P1E1	-275.63	35.93	-5.22	-0.16	0.02	0.00
	GT1P1E2	-265.07	38.07	-5.44	-0.15	0.02	0.00
	GT1P1E3	-275.73	35.97	5.55	-0.16	0.02	0.00
	GT1P1E4	-265.17	38.12	5.32	-0.15	0.02	0.00
+4	GT1P1	-261.46	39.69	0.27	-0.15	0.02	0.00
	GT1P1E1	-266.14	35.95	-5.00	-0.15	0.02	0.00
	GT1P1E2	-255.58	38.10	-5.22	-0.14	0.02	0.00
	GT1P1E3	-266.24	36.00	5.76	-0.15	0.02	0.00
	GT1P1E4	-255.68	38.14	5.54	-0.14	0.02	0.00
+5	GT1P1	-252.30	39.70	0.62	-0.14	0.02	0.00
	GT1P1E1	-256.98	35.97	-4.65	-0.15	0.02	0.00
	GT1P1E2	-246.41	38.11	-4.87	-0.14	0.02	0.00
	GT1P1E3	-257.08	36.01	6.11	-0.15	0.02	0.00
	GT1P1E4	-246.51	38.15	5.89	-0.14	0.02	0.00
+6	GT1P1	-243.45	39.67	1.09	-0.14	0.02	0.00
	GT1P1E1	-248.12	35.94	-4.18	-0.14	0.02	0.00
	GT1P1E2	-237.56	38.08	-4.40	-0.13	0.02	0.00
	GT1P1E3	-248.23	35.99	6.57	-0.14	0.02	0.01
	GT1P1E4	-237.66	38.12	6.35	-0.13	0.02	0.01

10in HDD Soft Clay
11/14/2015 10 IN HDD
11:18 AM

BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 25

S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7	GT1P1	-234.90	39.55	1.53	-0.13	0.02	0.00
	GT1P1E1	-239.57	35.85	-3.73	-0.14	0.02	0.00
	GT1P1E2	-229.01	37.97	-3.95	-0.13	0.02	0.00
	GT1P1E3	-239.68	35.89	7.01	-0.14	0.02	0.01
	GT1P1E4	-229.11	38.01	6.79	-0.13	0.02	0.01
+8	GT1P1	-226.64	39.30	1.63	-0.13	0.02	0.00
	GT1P1E1	-231.31	35.62	-3.62	-0.13	0.02	0.00
	GT1P1E2	-220.75	37.73	-3.83	-0.13	0.02	0.00
	GT1P1E3	-231.42	35.67	7.10	-0.13	0.02	0.01
	GT1P1E4	-220.86	37.77	6.88	-0.13	0.02	0.01
+9	GT1P1	-218.66	38.89	0.83	-0.12	0.02	0.00
	GT1P1E1	-223.33	35.26	-4.41	-0.13	0.02	0.00
	GT1P1E2	-212.76	37.34	-4.62	-0.12	0.02	0.00
	GT1P1E3	-223.44	35.30	6.29	-0.13	0.02	0.01
	GT1P1E4	-212.88	37.38	6.08	-0.12	0.02	0.00
+10	GT1P1	-210.95	38.43	-1.65	-0.12	0.02	0.00
	GT1P1E1	-215.62	34.82	-6.89	-0.12	0.02	-0.01
	GT1P1E2	-205.05	36.89	-7.11	-0.12	0.02	-0.01
	GT1P1E3	-215.74	34.86	3.81	-0.12	0.02	0.00
	GT1P1E4	-205.17	36.93	3.59	-0.12	0.02	0.00
+11	GT1P1	-203.50	38.23	-6.67	-0.12	0.02	-0.01
	GT1P1E1	-208.17	34.59	-11.93	-0.12	0.02	-0.01
	GT1P1E2	-197.60	36.67	-12.15	-0.11	0.02	-0.01
	GT1P1E3	-208.29	34.63	-1.18	-0.12	0.02	0.00
	GT1P1E4	-197.73	36.72	-1.40	-0.11	0.02	0.00
+12	GT1P1	-196.30	38.93	-14.64	-0.11	0.02	-0.01
	GT1P1E1	-200.97	35.11	-19.96	-0.11	0.02	-0.02
	GT1P1E2	-190.40	37.30	-20.20	-0.11	0.02	-0.02
	GT1P1E3	-201.09	35.15	-9.09	-0.11	0.02	-0.01
	GT1P1E4	-190.53	37.34	-9.32	-0.11	0.02	-0.01
+13	GT1P1	-189.35	41.52	-24.74	-0.11	0.02	-0.02
	GT1P1E1	-194.01	37.27	-30.16	-0.11	0.02	-0.02
	GT1P1E2	-183.44	39.71	-30.43	-0.10	0.02	-0.02
	GT1P1E3	-194.14	37.32	-19.04	-0.11	0.02	-0.02
	GT1P1E4	-183.58	39.75	-19.31	-0.10	0.02	-0.02

10in HDD Soft Clay
11/14/2015 10 IN HDD
11:18 AM

BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 26

S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+14							
A01	GT1P1	-182.62	47.00	-33.51	-0.10	0.02	-0.03
	GT1P1E1	-187.28	42.05	-39.09	-0.11	0.02	-0.03
	GT1P1E2	-176.72	44.88	-39.40	-0.10	0.02	-0.03
	GT1P1E3	-187.42	42.10	-27.62	-0.11	0.02	-0.02
	GT1P1E4	-176.85	44.93	-27.93	-0.10	0.02	-0.02
	GT1P1	-177.88	27.02	-25.42	-0.10	0.03	-0.02
	GT1P1E1	-182.88	24.20	-30.13	-0.10	0.02	-0.03
	GT1P1E2	-172.33	25.76	-30.71	-0.10	0.02	-0.03
	GT1P1E3	-182.36	24.30	-20.13	-0.10	0.02	-0.02
	GT1P1E4	-171.81	25.87	-20.71	-0.10	0.02	-0.02
+1							
	GT1P1	-171.61	31.74	-20.34	-0.10	0.03	-0.02
	GT1P1E1	-176.60	28.53	-25.20	-0.10	0.03	-0.02
	GT1P1E2	-166.05	30.31	-25.81	-0.09	0.03	-0.02
	GT1P1E3	-176.09	28.64	-14.87	-0.10	0.03	-0.01
	GT1P1E4	-165.54	30.43	-15.48	-0.09	0.03	-0.01
+2							
	GT1P1	-165.54	35.67	-13.13	-0.09	0.03	-0.01
	GT1P1E1	-170.53	32.16	-18.09	-0.10	0.03	-0.02
	GT1P1E2	-159.98	34.11	-18.74	-0.09	0.03	-0.02
	GT1P1E3	-170.02	32.28	-7.52	-0.10	0.03	-0.01
	GT1P1E4	-159.47	34.23	-8.17	-0.09	0.03	-0.01
+3							
	GT1P1	-159.68	38.35	-6.67	-0.09	0.04	-0.01
	GT1P1E1	-164.67	34.66	-11.69	-0.09	0.03	-0.01
	GT1P1E2	-154.12	36.71	-12.36	-0.09	0.04	-0.01
	GT1P1E3	-164.16	34.78	-0.98	-0.09	0.03	0.00
	GT1P1E4	-153.61	36.84	-1.64	-0.09	0.04	0.00
+4							
	GT1P1	-154.01	39.94	-1.94	-0.09	0.04	0.00
	GT1P1E1	-158.99	36.15	-7.00	-0.09	0.03	-0.01
	GT1P1E2	-148.44	38.26	-7.67	-0.08	0.04	-0.01
	GT1P1E3	-158.50	36.28	3.78	-0.09	0.04	0.00
	GT1P1E4	-147.95	38.39	3.11	-0.08	0.04	0.00
+5							
	GT1P1	-148.53	40.82	1.08	-0.08	0.04	0.00
	GT1P1E1	-153.51	37.01	-3.98	-0.09	0.04	0.00
	GT1P1E2	-142.96	39.13	-4.65	-0.08	0.04	0.00
	GT1P1E3	-153.02	37.14	6.82	-0.09	0.04	0.01
	GT1P1E4	-142.47	39.26	6.15	-0.08	0.04	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+6	GT1P1	-143.23	41.38	2.80	-0.08	0.04	0.00
	GT1P1E1	-148.20	37.57	-2.27	-0.08	0.04	0.00
	GT1P1E2	-137.65	39.69	-2.94	-0.08	0.04	0.00
	GT1P1E3	-147.72	37.70	8.54	-0.08	0.04	0.01
	GT1P1E4	-137.17	39.82	7.87	-0.08	0.04	0.01
+7	GT1P1	-138.10	41.85	3.49	-0.08	0.04	0.00
	GT1P1E1	-143.07	38.05	-1.58	-0.08	0.04	0.00
	GT1P1E2	-132.52	40.16	-2.25	-0.08	0.04	0.00
	GT1P1E3	-142.59	38.19	9.22	-0.08	0.04	0.01
	GT1P1E4	-132.04	40.30	8.55	-0.07	0.04	0.01
+8	GT1P1	-133.14	42.23	3.09	-0.08	0.04	0.00
	GT1P1E1	-138.10	38.45	-1.98	-0.08	0.04	0.00
	GT1P1E2	-127.55	40.55	-2.64	-0.07	0.04	0.00
	GT1P1E3	-137.64	38.58	8.82	-0.08	0.04	0.01
	GT1P1E4	-127.08	40.68	8.15	-0.07	0.04	0.01
+9	GT1P1	-128.34	42.22	1.09	-0.07	0.04	0.00
	GT1P1E1	-133.30	38.44	-3.98	-0.08	0.04	0.00
	GT1P1E2	-122.74	40.54	-4.65	-0.07	0.04	0.00
	GT1P1E3	-132.84	38.57	6.82	-0.08	0.04	0.01
	GT1P1E4	-122.29	40.67	6.15	-0.07	0.04	0.01
+10	GT1P1	-123.69	41.17	-3.40	-0.07	0.04	0.00
	GT1P1E1	-128.65	37.39	-8.46	-0.07	0.04	-0.01
	GT1P1E2	-118.09	39.49	-9.13	-0.07	0.04	-0.01
	GT1P1E3	-128.20	37.52	2.34	-0.07	0.04	0.00
	GT1P1E4	-117.64	39.63	1.67	-0.07	0.04	0.00
+11	GT1P1	-119.19	38.14	-11.29	-0.07	0.04	-0.01
	GT1P1E1	-124.14	34.35	-16.34	-0.07	0.03	-0.02
	GT1P1E2	-113.59	36.46	-17.01	-0.06	0.04	-0.02
	GT1P1E3	-123.70	34.48	-5.56	-0.07	0.03	-0.01
	GT1P1E4	-113.15	36.59	-6.23	-0.06	0.04	-0.01
+12	GT1P1	-114.83	32.04	-22.88	-0.07	0.03	-0.02
	GT1P1E1	-119.78	28.25	-27.91	-0.07	0.03	-0.03
	GT1P1E2	-109.23	30.36	-28.59	-0.06	0.03	-0.03
	GT1P1E3	-119.35	28.37	-17.18	-0.07	0.03	-0.02
	GT1P1E4	-108.79	30.48	-17.86	-0.06	0.03	-0.02

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz

+13							
	GT1P1	-110.61	22.14	-36.72	-0.06	0.02	-0.03
	GT1P1E1	-115.56	18.37	-41.68	-0.07	0.02	-0.04
	GT1P1E2	-105.00	20.46	-42.37	-0.06	0.02	-0.04
	GT1P1E3	-115.13	18.48	-31.07	-0.07	0.02	-0.03
+14	GT1P1E4	-104.58	20.57	-31.76	-0.06	0.02	-0.03
	GT1P1	-106.53	8.94	-48.00	-0.06	0.01	-0.05
	GT1P1E1	-111.46	5.22	-52.85	-0.06	0.01	-0.05
	GT1P1E2	-100.91	7.28	-53.55	-0.06	0.01	-0.05
A02	GT1P1E3	-111.05	5.31	-42.44	-0.06	0.01	-0.04
	GT1P1E4	-100.49	7.37	-43.14	-0.06	0.01	-0.04
	GT1P1	-106.49	-3.55	-47.72	-0.06	0.00	-0.05
	GT1P1E1	-111.76	-7.20	-52.30	-0.06	-0.01	-0.05
	GT1P1E2	-101.26	-5.22	-53.28	-0.06	-0.01	-0.05
	GT1P1E3	-110.66	-7.05	-42.14	-0.06	-0.01	-0.04
	GT1P1E4	-100.15	-5.07	-43.13	-0.06	0.00	-0.04
	GT1P1	-103.59	-11.39	-41.47	-0.06	-0.01	-0.04
+1	GT1P1E1	-108.86	-14.89	-45.92	-0.06	-0.01	-0.04
	GT1P1E2	-98.35	-13.00	-46.90	-0.06	-0.01	-0.04
	GT1P1E3	-107.76	-14.76	-36.01	-0.06	-0.01	-0.03
	GT1P1E4	-97.25	-12.87	-37.00	-0.06	-0.01	-0.04
A03	GT1P1	-101.48	-9.94	-35.92	-0.06	-0.01	-0.03
	GT1P1E1	-106.99	-13.07	-41.02	-0.06	-0.01	-0.03
	GT1P1E2	-96.38	-11.57	-42.21	-0.05	-0.01	-0.03
	GT1P1E3	-105.84	-12.98	-29.60	-0.06	-0.01	-0.02
	GT1P1E4	-95.22	-11.48	-30.79	-0.05	-0.01	-0.02
+1							
	GT1P1	-97.96	-4.27	-21.21	-0.06	0.00	-0.02
	GT1P1E1	-103.47	-7.07	-26.16	-0.06	-0.01	-0.02
	GT1P1E2	-92.85	-5.75	-27.34	-0.05	-0.01	-0.02
	GT1P1E3	-102.32	-6.98	-15.08	-0.06	-0.01	-0.01
+2	GT1P1E4	-91.70	-5.66	-16.26	-0.05	-0.01	-0.01
	GT1P1	-94.54	3.79	-9.69	-0.05	0.00	-0.01
	GT1P1E1	-100.05	-0.38	-14.53	-0.06	0.00	-0.01
	GT1P1E2	-89.43	1.39	-15.69	-0.05	0.00	-0.01
	GT1P1E3	-98.91	-0.29	-3.69	-0.06	0.00	0.00
	GT1P1E4	-88.29	1.55	-4.85	-0.05	0.00	0.00

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz

+3							
	GT1P1	-91.23	9.35	-2.22	-0.05	0.00	0.00
	GT1P1E1	-96.73	5.38	-7.00	-0.05	0.00	-0.01
	GT1P1E2	-86.11	7.21	-8.16	-0.05	0.00	-0.01
	GT1P1E3	-95.61	5.53	3.71	-0.05	0.00	0.00
	GT1P1E4	-84.99	7.35	2.55	-0.05	0.00	0.00
+4							
	GT1P1	-88.03	9.87	1.90	-0.05	0.01	0.00
	GT1P1E1	-93.52	6.21	-2.86	-0.05	0.00	0.00
	GT1P1E2	-82.90	7.89	-4.00	-0.05	0.00	0.00
	GT1P1E3	-92.41	6.35	7.79	-0.05	0.00	0.01
	GT1P1E4	-81.79	8.03	6.65	-0.05	0.00	0.01
A04							
	GT1P1	-84.73	13.24	3.79	-0.05	0.01	0.00
	GT1P1E1	-90.28	9.86	-0.96	-0.05	0.01	0.00
	GT1P1E2	-79.63	11.23	-2.11	-0.05	0.01	0.00
	GT1P1E3	-89.17	9.97	9.68	-0.05	0.01	0.01
	GT1P1E4	-78.52	11.35	8.53	-0.04	0.01	0.01
+1							
	GT1P1	-81.72	16.49	4.45	-0.05	0.01	0.00
	GT1P1E1	-87.27	13.16	-0.31	-0.05	0.01	0.00
	GT1P1E2	-76.62	14.51	-1.45	-0.04	0.01	0.00
	GT1P1E3	-86.17	13.27	10.35	-0.05	0.01	0.01
	GT1P1E4	-75.52	14.63	9.20	-0.04	0.01	0.01
+2							
	GT1P1	-78.80	16.32	4.45	-0.04	0.01	0.00
	GT1P1E1	-84.35	12.97	-0.32	-0.05	0.01	0.00
	GT1P1E2	-73.69	14.34	-1.46	-0.04	0.01	0.00
	GT1P1E3	-83.26	13.09	10.36	-0.05	0.01	0.01
	GT1P1E4	-72.61	14.46	9.22	-0.04	0.01	0.01
+3							
	GT1P1	-75.97	11.05	3.68	-0.04	0.01	0.00
	GT1P1E1	-81.51	7.68	-1.09	-0.05	0.00	0.00
	GT1P1E2	-70.86	9.07	-2.23	-0.04	0.00	0.00
	GT1P1E3	-80.43	7.79	9.59	-0.05	0.00	0.01
	GT1P1E4	-69.78	9.18	8.45	-0.04	0.00	0.01
+4							
	GT1P1	-73.22	4.52	1.43	-0.04	0.00	0.00
	GT1P1E1	-78.76	1.12	-3.35	-0.04	0.00	0.00
	GT1P1E2	-68.11	2.52	-4.49	-0.04	0.00	0.00
	GT1P1E3	-77.69	1.22	7.35	-0.04	0.00	0.01
	GT1P1E4	-67.04	2.63	6.21	-0.04	0.00	0.00

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A05	GT1P1	-70.46	6.52	-3.69	-0.04	0.00	0.00
	GT1P1E1	-76.06	3.25	-8.46	-0.04	0.00	-0.01
	GT1P1E2	-65.38	4.39	-9.60	-0.04	0.00	-0.01
	GT1P1E3	-75.00	3.32	2.24	-0.04	0.00	0.00
	GT1P1E4	-64.32	4.47	1.09	-0.04	0.00	0.00
+1	GT1P1	-67.79	13.65	-13.08	-0.04	0.01	-0.01
	GT1P1E1	-73.39	10.36	-17.85	-0.04	0.01	-0.01
	GT1P1E2	-62.71	11.51	-19.00	-0.04	0.01	-0.02
	GT1P1E3	-72.34	10.44	-7.16	-0.04	0.01	-0.01
	GT1P1E4	-61.66	11.60	-8.31	-0.03	0.01	-0.01
+2	GT1P1	-65.21	19.89	-27.23	-0.04	0.01	-0.02
	GT1P1E1	-70.81	16.59	-32.00	-0.04	0.01	-0.03
	GT1P1E2	-60.12	17.75	-33.15	-0.03	0.01	-0.03
	GT1P1E3	-69.76	16.69	-21.32	-0.04	0.01	-0.02
	GT1P1E4	-59.08	17.84	-22.47	-0.03	0.01	-0.02
+3	GT1P1	-62.70	21.26	-44.39	-0.04	0.01	-0.04
	GT1P1E1	-68.29	17.95	-49.13	-0.04	0.01	-0.04
	GT1P1E2	-57.60	19.11	-50.30	-0.03	0.01	-0.04
	GT1P1E3	-67.26	18.05	-38.48	-0.04	0.01	-0.03
	GT1P1E4	-56.57	19.21	-39.65	-0.03	0.01	-0.03
+4	GT1P1	-60.27	19.07	-58.23	-0.03	0.01	-0.05
	GT1P1E1	-65.85	15.76	-62.95	-0.04	0.01	-0.05
	GT1P1E2	-55.16	16.93	-64.14	-0.03	0.01	-0.05
	GT1P1E3	-64.83	15.85	-52.33	-0.04	0.01	-0.04
	GT1P1E4	-54.14	17.02	-53.51	-0.03	0.01	-0.04
A06	GT1P1	-61.28	18.62	-57.30	-0.03	0.01	-0.05
	GT1P1E1	-67.17	15.36	-61.83	-0.04	0.01	-0.05
	GT1P1E2	-56.54	16.37	-63.35	-0.03	0.01	-0.05
	GT1P1E3	-65.55	15.49	-51.25	-0.04	0.01	-0.04
	GT1P1E4	-54.93	16.50	-52.77	-0.03	0.01	-0.04
+1	GT1P1	-59.12	19.06	-45.04	-0.03	0.01	-0.04
	GT1P1E1	-65.00	15.81	-49.57	-0.04	0.01	-0.04
	GT1P1E2	-54.37	16.82	-51.11	-0.03	0.01	-0.04
	GT1P1E3	-63.40	15.94	-38.97	-0.04	0.01	-0.03
	GT1P1E4	-52.77	16.94	-40.51	-0.03	0.01	-0.03

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+2							
	GT1P1	-57.02	16.50	-29.06	-0.03	0.01	-0.02
	GT1P1E1	-62.90	13.26	-33.58	-0.04	0.01	-0.03
	GT1P1E2	-52.27	14.26	-35.15	-0.03	0.01	-0.03
	GT1P1E3	-61.30	13.37	-22.97	-0.03	0.01	-0.02
	GT1P1E4	-50.67	14.38	-24.53	-0.03	0.01	-0.02
+3							
	GT1P1	-54.98	9.71	-15.06	-0.03	0.01	-0.01
	GT1P1E1	-60.85	6.47	-19.59	-0.03	0.00	-0.02
	GT1P1E2	-50.22	7.48	-21.16	-0.03	0.00	-0.02
	GT1P1E3	-59.26	6.58	-8.96	-0.03	0.00	-0.01
	GT1P1E4	-48.63	7.59	-10.53	-0.03	0.00	-0.01
+4							
	GT1P1	-52.99	2.27	-4.99	-0.03	0.00	0.00
	GT1P1E1	-58.86	-0.53	-9.52	-0.03	0.00	-0.01
	GT1P1E2	-48.23	0.05	-11.10	-0.03	0.00	-0.01
	GT1P1E3	-57.28	-0.47	1.12	-0.03	0.00	0.00
	GT1P1E4	-46.65	0.15	-0.46	-0.03	0.00	0.00
A07							
	GT1P1	-51.03	2.85	1.25	-0.03	0.00	0.00
	GT1P1E1	-56.97	-0.14	-3.28	-0.03	0.00	0.00
	GT1P1E2	-46.31	0.50	-4.86	-0.03	0.00	0.00
	GT1P1E3	-55.40	-0.10	7.37	-0.03	0.00	0.01
	GT1P1E4	-44.75	0.57	5.78	-0.03	0.00	0.00
+1							
	GT1P1	-49.10	8.46	4.50	-0.03	0.00	0.00
	GT1P1E1	-55.03	5.36	-0.04	-0.03	0.00	0.00
	GT1P1E2	-44.37	6.11	-1.62	-0.03	0.00	0.00
	GT1P1E3	-53.47	5.43	10.61	-0.03	0.00	0.01
	GT1P1E4	-42.82	6.19	9.03	-0.02	0.00	0.01
+2							
	GT1P1	-47.22	12.30	5.57	-0.03	0.01	0.00
	GT1P1E1	-53.14	9.20	1.03	-0.03	0.00	0.00
	GT1P1E2	-42.49	9.95	-0.55	-0.02	0.01	0.00
	GT1P1E3	-51.59	9.27	11.68	-0.03	0.00	0.01
	GT1P1E4	-40.94	10.03	10.10	-0.02	0.01	0.01
+3							
	GT1P1	-45.39	10.67	4.83	-0.03	0.01	0.00
	GT1P1E1	-51.31	7.57	0.29	-0.03	0.00	0.00
	GT1P1E2	-40.65	8.33	-1.29	-0.02	0.00	0.00
	GT1P1E3	-49.77	7.65	10.94	-0.03	0.00	0.01
	GT1P1E4	-39.11	8.41	9.37	-0.02	0.00	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz

+4							
A08	GT1P1	-43.61	6.34	1.92	-0.02	0.00	0.00
	GT1P1E1	-49.53	3.23	-2.62	-0.03	0.00	0.00
	GT1P1E2	-38.87	4.00	-4.19	-0.02	0.00	0.00
	GT1P1E3	-48.00	3.30	8.04	-0.03	0.00	0.01
	GT1P1E4	-37.34	4.07	6.46	-0.02	0.00	0.01
	GT1P1	-41.79	7.36	-4.16	-0.02	0.00	0.00
	GT1P1E1	-47.76	4.38	-8.70	-0.03	0.00	-0.01
	GT1P1E2	-37.09	4.92	-10.27	-0.02	0.00	-0.01
	GT1P1E3	-46.24	4.42	1.95	-0.03	0.00	0.00
	GT1P1E4	-35.57	4.96	0.37	-0.02	0.00	0.00
+1							
A08	GT1P1	-40.11	12.01	-14.54	-0.02	0.01	-0.01
	GT1P1E1	-46.08	9.03	-19.07	-0.03	0.00	-0.02
	GT1P1E2	-35.40	9.57	-20.64	-0.02	0.01	-0.02
	GT1P1E3	-44.57	9.07	-8.44	-0.03	0.00	-0.01
	GT1P1E4	-33.89	9.61	-10.01	-0.02	0.01	-0.01
+2							
A08	GT1P1	-38.48	14.20	-29.50	-0.02	0.01	-0.02
	GT1P1E1	-44.44	11.22	-34.02	-0.03	0.01	-0.03
	GT1P1E2	-33.76	11.76	-35.60	-0.02	0.01	-0.03
	GT1P1E3	-42.94	11.27	-23.41	-0.02	0.01	-0.02
	GT1P1E4	-32.26	11.81	-24.99	-0.02	0.01	-0.02
+3							
A08	GT1P1	-36.88	11.02	-47.12	-0.02	0.01	-0.04
	GT1P1E1	-42.84	8.03	-51.62	-0.02	0.00	-0.04
	GT1P1E2	-32.16	8.58	-53.21	-0.02	0.00	-0.04
	GT1P1E3	-41.35	8.08	-41.03	-0.02	0.00	-0.03
	GT1P1E4	-30.67	8.62	-42.63	-0.02	0.00	-0.03
+4							
A08	GT1P1	-35.33	5.55	-61.13	-0.02	0.00	-0.05
	GT1P1E1	-41.28	2.57	-65.61	-0.02	0.00	-0.05
	GT1P1E2	-30.60	3.12	-67.22	-0.02	0.00	-0.05
	GT1P1E3	-39.80	2.60	-55.04	-0.02	0.00	-0.04
	GT1P1E4	-29.13	3.16	-56.65	-0.02	0.00	-0.05
A09							
A09	GT1P1	-37.33	5.93	-60.58	-0.02	0.00	-0.05
	GT1P1E1	-43.57	3.06	-64.87	-0.02	0.00	-0.05
	GT1P1E2	-32.98	3.38	-66.80	-0.02	0.00	-0.05
	GT1P1E3	-41.53	3.08	-54.36	-0.02	0.00	-0.04
	GT1P1E4	-30.94	3.41	-56.29	-0.02	0.00	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+1	GT1P1	-35.86	10.83	-47.46	-0.02	0.01	-0.04
	GT1P1E1	-42.09	7.96	-51.74	-0.02	0.00	-0.04
	GT1P1E2	-31.50	8.28	-53.70	-0.02	0.00	-0.04
	GT1P1E3	-40.06	7.99	-41.22	-0.02	0.00	-0.03
	GT1P1E4	-29.47	8.31	-43.17	-0.02	0.00	-0.03
+2	GT1P1	-34.43	13.34	-30.75	-0.02	0.01	-0.02
	GT1P1E1	-40.66	10.47	-35.04	-0.02	0.01	-0.03
	GT1P1E2	-30.06	10.80	-37.01	-0.02	0.01	-0.03
	GT1P1E3	-38.64	10.50	-24.49	-0.02	0.01	-0.02
	GT1P1E4	-28.04	10.82	-26.47	-0.02	0.01	-0.02
+3	GT1P1	-33.03	10.41	-16.70	-0.02	0.01	-0.01
	GT1P1E1	-39.26	7.54	-20.99	-0.02	0.00	-0.02
	GT1P1E2	-28.66	7.86	-22.98	-0.02	0.00	-0.02
	GT1P1E3	-37.25	7.56	-10.43	-0.02	0.00	-0.01
	GT1P1E4	-26.65	7.89	-12.42	-0.02	0.00	-0.01
+4	GT1P1	-31.68	5.35	-6.98	-0.02	0.00	-0.01
	GT1P1E1	-37.90	2.48	-11.27	-0.02	0.00	-0.01
	GT1P1E2	-27.30	2.81	-13.26	-0.02	0.00	-0.01
	GT1P1E3	-35.90	2.49	-0.70	-0.02	0.00	0.00
	GT1P1E4	-25.30	2.83	-2.69	-0.01	0.00	0.00
A10	GT1P1	-30.30	6.62	-0.79	-0.02	0.00	0.00
	GT1P1E1	-36.59	3.87	-5.07	-0.02	0.00	0.00
	GT1P1E2	-25.98	3.98	-7.08	-0.01	0.00	-0.01
	GT1P1E3	-34.57	3.85	5.50	-0.02	0.00	0.00
	GT1P1E4	-23.97	3.96	3.49	-0.01	0.00	0.00
+1	GT1P1	-29.02	13.34	2.86	-0.02	0.01	0.00
	GT1P1E1	-35.30	10.60	-1.43	-0.02	0.01	0.00
	GT1P1E2	-24.69	10.71	-3.44	-0.01	0.01	0.00
	GT1P1E3	-33.29	10.59	9.15	-0.02	0.01	0.01
	GT1P1E4	-22.69	10.70	7.14	-0.01	0.01	0.01
+2	GT1P1	-27.77	19.15	4.47	-0.02	0.01	0.00
	GT1P1E1	-34.04	16.42	0.18	-0.02	0.01	0.00
	GT1P1E2	-23.44	16.53	-1.83	-0.01	0.01	0.00
	GT1P1E3	-32.05	16.42	10.76	-0.02	0.01	0.01
	GT1P1E4	-21.44	16.53	8.75	-0.01	0.01	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+3							
	GT1P1	-26.55	20.71	4.00	-0.02	0.01	0.00
	GT1P1E1	-32.82	18.03	-0.29	-0.02	0.01	0.00
	GT1P1E2	-22.21	18.14	-2.30	-0.01	0.01	0.00
	GT1P1E3	-30.84	18.02	10.29	-0.02	0.01	0.01
	GT1P1E4	-20.23	18.14	8.28	-0.01	0.01	0.01
+4							
	GT1P1	-25.37	19.61	0.83	-0.01	0.01	0.00
	GT1P1E1	-31.63	17.00	-3.45	-0.02	0.01	0.00
	GT1P1E2	-21.02	17.11	-5.46	-0.01	0.01	0.00
	GT1P1E3	-29.66	16.99	7.12	-0.02	0.01	0.01
	GT1P1E4	-19.05	17.11	5.12	-0.01	0.01	0.00
A11							
	GT1P1	-24.05	23.82	-5.87	-0.01	0.01	0.00
	GT1P1E1	-30.33	20.99	-10.15	-0.02	0.01	-0.01
	GT1P1E2	-19.72	20.99	-12.16	-0.01	0.01	-0.01
	GT1P1E3	-28.37	20.97	0.42	-0.02	0.01	0.00
	GT1P1E4	-17.76	20.97	-1.59	-0.01	0.01	0.00
+1							
	GT1P1	-22.97	28.64	-16.92	-0.01	0.01	-0.01
	GT1P1E1	-29.25	25.89	-21.20	-0.02	0.01	-0.02
	GT1P1E2	-18.63	25.89	-23.20	-0.01	0.01	-0.02
	GT1P1E3	-27.30	25.87	-10.64	-0.02	0.01	-0.01
	GT1P1E4	-16.68	25.87	-12.64	-0.01	0.01	-0.01
+2							
	GT1P1	-21.91	34.05	-32.40	-0.01	0.02	-0.03
	GT1P1E1	-28.19	31.34	-36.66	-0.02	0.01	-0.03
	GT1P1E2	-17.57	31.34	-38.67	-0.01	0.01	-0.03
	GT1P1E3	-26.24	31.33	-26.13	-0.01	0.01	-0.02
	GT1P1E4	-15.63	31.33	-28.14	-0.01	0.01	-0.02
+3							
	GT1P1	-20.88	38.16	-50.13	-0.01	0.02	-0.04
	GT1P1E1	-27.15	35.48	-54.38	-0.02	0.02	-0.04
	GT1P1E2	-16.53	35.47	-56.40	-0.01	0.02	-0.05
	GT1P1E3	-25.22	35.47	-43.86	-0.01	0.02	-0.04
	GT1P1E4	-14.60	35.47	-45.88	-0.01	0.02	-0.04
+4							
	GT1P1	-19.87	40.56	-63.91	-0.01	0.02	-0.05
	GT1P1E1	-26.14	37.87	-68.13	-0.01	0.02	-0.05
	GT1P1E2	-15.52	37.87	-70.17	-0.01	0.02	-0.06
	GT1P1E3	-24.22	37.88	-57.64	-0.01	0.02	-0.05
	GT1P1E4	-13.60	37.88	-59.68	-0.01	0.02	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A12							
	GT1P1	-22.53	41.58	-62.59	-0.01	0.02	-0.05
	GT1P1E1	-29.01	38.89	-66.63	-0.02	0.02	-0.05
	GT1P1E2	-18.51	38.89	-68.98	-0.01	0.02	-0.06
	GT1P1E3	-26.54	38.89	-56.20	-0.02	0.02	-0.04
	GT1P1E4	-16.04	38.90	-58.55	-0.01	0.02	-0.05
+1							
	GT1P1	-21.45	41.68	-46.91	-0.01	0.02	-0.04
	GT1P1E1	-27.93	39.00	-50.94	-0.02	0.02	-0.04
	GT1P1E2	-17.42	39.00	-53.32	-0.01	0.02	-0.04
	GT1P1E3	-25.47	39.00	-40.50	-0.01	0.02	-0.03
	GT1P1E4	-14.96	39.00	-42.88	-0.01	0.02	-0.03
+2							
	GT1P1	-20.40	41.30	-27.58	-0.01	0.02	-0.02
	GT1P1E1	-26.88	38.61	-31.61	-0.02	0.02	-0.03
	GT1P1E2	-16.37	38.61	-34.00	-0.01	0.02	-0.03
	GT1P1E3	-24.43	38.61	-21.15	-0.01	0.02	-0.02
	GT1P1E4	-13.92	38.61	-23.54	-0.01	0.02	-0.02
+3							
	GT1P1	-19.38	40.87	-11.92	-0.01	0.02	-0.01
	GT1P1E1	-25.85	38.18	-15.96	-0.01	0.02	-0.01
	GT1P1E2	-15.34	38.18	-18.36	-0.01	0.02	-0.01
	GT1P1E3	-23.41	38.18	-5.48	-0.01	0.02	0.00
	GT1P1E4	-12.90	38.18	-7.89	-0.01	0.02	-0.01
+4							
	GT1P1	-18.38	40.57	-1.73	-0.01	0.02	0.00
	GT1P1E1	-24.85	37.88	-5.77	-0.01	0.02	0.00
	GT1P1E2	-14.34	37.88	-8.19	-0.01	0.02	-0.01
	GT1P1E3	-22.42	37.88	4.72	-0.01	0.02	0.00
	GT1P1E4	-11.91	37.88	2.30	-0.01	0.02	0.00
+5							
	GT1P1	-17.41	40.42	3.82	-0.01	0.02	0.00
	GT1P1E1	-23.88	37.73	-0.23	-0.01	0.02	0.00
	GT1P1E2	-13.36	37.73	-2.64	-0.01	0.02	0.00
	GT1P1E3	-21.46	37.73	10.27	-0.01	0.02	0.01
	GT1P1E4	-10.94	37.73	7.86	-0.01	0.02	0.01
+6							
	GT1P1	-16.47	40.38	6.17	-0.01	0.02	0.00
	GT1P1E1	-22.93	37.69	2.13	-0.01	0.02	0.00
	GT1P1E2	-12.41	37.69	-0.28	-0.01	0.02	0.00
	GT1P1E3	-20.52	37.69	12.63	-0.01	0.02	0.01
	GT1P1E4	-10.00	37.69	10.22	-0.01	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	-15.54	40.39	6.24	-0.01	0.02	0.00
	GT1P1E1	-22.00	37.70	2.19	-0.01	0.02	0.00
	GT1P1E2	-11.48	37.70	-0.22	-0.01	0.02	0.00
	GT1P1E3	-19.61	37.70	12.69	-0.01	0.02	0.01
	GT1P1E4	-9.08	37.70	10.28	-0.01	0.02	0.01
+8							
	GT1P1	-14.64	40.42	3.85	-0.01	0.02	0.00
	GT1P1E1	-21.09	37.73	-0.20	-0.01	0.02	0.00
	GT1P1E2	-10.57	37.73	-2.61	-0.01	0.02	0.00
	GT1P1E3	-18.71	37.73	10.30	-0.01	0.02	0.01
	GT1P1E4	-8.19	37.73	7.89	0.00	0.02	0.01
+9							
	GT1P1	-13.76	40.45	-2.22	-0.01	0.02	0.00
	GT1P1E1	-20.21	37.76	-6.26	-0.01	0.02	-0.01
	GT1P1E2	-9.68	37.76	-8.66	-0.01	0.02	-0.01
	GT1P1E3	-17.84	37.75	4.23	-0.01	0.02	0.00
	GT1P1E4	-7.31	37.75	1.83	0.00	0.02	0.00
+10							
	GT1P1	-12.90	40.45	-13.69	-0.01	0.02	-0.01
	GT1P1E1	-19.34	37.76	-17.73	-0.01	0.02	-0.01
	GT1P1E2	-8.81	37.76	-20.13	0.00	0.02	-0.02
	GT1P1E3	-16.98	37.76	-7.25	-0.01	0.02	-0.01
	GT1P1E4	-6.45	37.76	-9.66	0.00	0.02	-0.01
+11							
	GT1P1	-12.05	40.42	-31.58	-0.01	0.02	-0.03
	GT1P1E1	-18.49	37.73	-35.60	-0.01	0.02	-0.03
	GT1P1E2	-7.96	37.73	-38.01	0.00	0.02	-0.03
	GT1P1E3	-16.14	37.73	-25.15	-0.01	0.02	-0.02
	GT1P1E4	-5.61	37.73	-27.56	0.00	0.02	-0.02
+12							
	GT1P1	-11.22	40.34	-53.84	-0.01	0.02	-0.04
	GT1P1E1	-17.66	37.65	-57.84	-0.01	0.02	-0.05
	GT1P1E2	-7.12	37.64	-60.26	0.00	0.02	-0.05
	GT1P1E3	-15.32	37.64	-47.42	-0.01	0.02	-0.04
	GT1P1E4	-4.79	37.64	-49.84	0.00	0.02	-0.04
+13							
	GT1P1	-10.41	40.19	-72.09	-0.01	0.02	-0.06
	GT1P1E1	-16.84	37.49	-76.07	-0.01	0.02	-0.06
	GT1P1E2	-6.30	37.49	-78.51	0.00	0.02	-0.06
	GT1P1E3	-14.52	37.49	-65.67	-0.01	0.02	-0.05
	GT1P1E4	-3.98	37.50	-68.11	0.00	0.02	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A13							
	GT1P1	-14.31	40.19	-71.66	-0.01	0.02	-0.06
	GT1P1E1	-20.96	37.49	-75.42	-0.01	0.02	-0.06
	GT1P1E2	-10.58	37.49	-78.20	-0.01	0.02	-0.06
	GT1P1E3	-18.03	37.49	-65.11	-0.01	0.02	-0.05
	GT1P1E4	-7.65	37.50	-67.89	0.00	0.02	-0.05
+1							
	GT1P1	-13.51	40.34	-53.21	-0.01	0.02	-0.04
	GT1P1E1	-20.17	37.65	-56.97	-0.01	0.02	-0.05
	GT1P1E2	-9.78	37.65	-59.78	-0.01	0.02	-0.05
	GT1P1E3	-17.25	37.65	-46.65	-0.01	0.02	-0.04
	GT1P1E4	-6.86	37.65	-49.46	0.00	0.02	-0.04
+2							
	GT1P1	-12.74	40.42	-30.81	-0.01	0.02	-0.02
	GT1P1E1	-19.39	37.73	-34.56	-0.01	0.02	-0.03
	GT1P1E2	-9.00	37.73	-37.40	-0.01	0.02	-0.03
	GT1P1E3	-16.48	37.73	-24.22	-0.01	0.02	-0.02
	GT1P1E4	-6.09	37.73	-27.05	0.00	0.02	-0.02
+3							
	GT1P1	-11.99	40.46	-13.00	-0.01	0.02	-0.01
	GT1P1E1	-18.63	37.77	-16.75	-0.01	0.02	-0.01
	GT1P1E2	-8.24	37.77	-19.60	0.00	0.02	-0.02
	GT1P1E3	-15.74	37.77	-6.39	-0.01	0.02	-0.01
	GT1P1E4	-5.34	37.76	-9.24	0.00	0.02	-0.01
+4							
	GT1P1	-11.25	40.46	-1.71	-0.01	0.02	0.00
	GT1P1E1	-17.89	37.77	-5.47	-0.01	0.02	0.00
	GT1P1E2	-7.49	37.77	-8.33	0.00	0.02	-0.01
	GT1P1E3	-15.01	37.77	4.90	-0.01	0.02	0.00
	GT1P1E4	-4.61	37.77	2.05	0.00	0.02	0.00
+5							
	GT1P1	-10.53	40.45	4.18	-0.01	0.02	0.00
	GT1P1E1	-17.17	37.76	0.42	-0.01	0.02	0.00
	GT1P1E2	-6.76	37.76	-2.44	0.00	0.02	0.00
	GT1P1E3	-14.29	37.76	10.80	-0.01	0.02	0.01
	GT1P1E4	-3.89	37.76	7.95	0.00	0.02	0.01
+6							
	GT1P1	-9.82	40.45	6.53	-0.01	0.02	0.01
	GT1P1E1	-16.45	37.76	2.76	-0.01	0.02	0.00
	GT1P1E2	-6.05	37.75	-0.09	0.00	0.02	0.00
	GT1P1E3	-13.59	37.75	13.15	-0.01	0.02	0.01
	GT1P1E4	-3.19	37.75	10.29	0.00	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	-9.13	40.44	6.53	-0.01	0.02	0.01
	GT1P1E1	-15.76	37.75	2.76	-0.01	0.02	0.00
	GT1P1E2	-5.35	37.75	-0.09	0.00	0.02	0.00
	GT1P1E3	-12.91	37.75	13.15	-0.01	0.02	0.01
	GT1P1E4	-2.50	37.75	10.30	0.00	0.02	0.01
+8							
	GT1P1	-8.45	40.45	4.20	0.00	0.02	0.00
	GT1P1E1	-15.07	37.76	0.43	-0.01	0.02	0.00
	GT1P1E2	-4.66	37.76	-2.42	0.00	0.02	0.00
	GT1P1E3	-12.24	37.76	10.82	-0.01	0.02	0.01
	GT1P1E4	-1.82	37.75	7.97	0.00	0.02	0.01
+9							
	GT1P1	-7.78	40.46	-1.65	0.00	0.02	0.00
	GT1P1E1	-14.40	37.77	-5.42	-0.01	0.02	0.00
	GT1P1E2	-3.99	37.77	-8.27	0.00	0.02	-0.01
	GT1P1E3	-11.58	37.77	4.96	-0.01	0.02	0.00
	GT1P1E4	-1.16	37.77	2.11	0.00	0.02	0.00
+10							
	GT1P1	-7.12	40.47	-12.84	0.00	0.02	-0.01
	GT1P1E1	-13.74	37.78	-16.60	-0.01	0.02	-0.01
	GT1P1E2	-3.32	37.78	-19.45	0.00	0.02	-0.02
	GT1P1E3	-10.93	37.78	-6.24	-0.01	0.02	0.00
	GT1P1E4	-0.51	37.78	-9.09	0.00	0.02	-0.01
+11							
	GT1P1	-6.48	40.47	-30.52	0.00	0.02	-0.02
	GT1P1E1	-13.09	37.78	-34.27	-0.01	0.02	-0.03
	GT1P1E2	-2.67	37.78	-37.12	0.00	0.02	-0.03
	GT1P1E3	-10.29	37.78	-23.93	-0.01	0.02	-0.02
	GT1P1E4	0.13	37.78	-26.78	0.00	0.02	-0.02
+12							
	GT1P1	-5.84	40.44	-52.79	0.00	0.02	-0.04
	GT1P1E1	-12.45	37.75	-56.52	-0.01	0.02	-0.05
	GT1P1E2	-2.02	37.75	-59.38	0.00	0.02	-0.05
	GT1P1E3	-9.66	37.75	-46.20	-0.01	0.02	-0.04
	GT1P1E4	0.77	37.75	-49.06	0.00	0.02	-0.04
+13							
	GT1P1	-5.21	40.35	-71.18	0.00	0.02	-0.06
	GT1P1E1	-11.81	37.65	-74.88	-0.01	0.02	-0.06
	GT1P1E2	-1.38	37.65	-77.76	0.00	0.02	-0.06
	GT1P1E3	-9.04	37.65	-64.60	-0.01	0.02	-0.05
	GT1P1E4	1.39	37.65	-67.47	0.00	0.02	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A14							
	GT1P1	-9.12	40.35	-71.02	-0.01	0.02	-0.06
	GT1P1E1	-15.93	37.65	-74.51	-0.01	0.02	-0.06
	GT1P1E2	-5.67	37.65	-77.71	0.00	0.02	-0.06
	GT1P1E3	-12.57	37.65	-64.32	-0.01	0.02	-0.05
	GT1P1E4	-2.31	37.65	-67.53	0.00	0.02	-0.05
+1							
	GT1P1	-8.51	40.44	-52.71	0.00	0.02	-0.04
	GT1P1E1	-15.31	37.75	-56.19	-0.01	0.02	-0.04
	GT1P1E2	-5.06	37.75	-59.43	0.00	0.02	-0.05
	GT1P1E3	-11.97	37.75	-45.99	-0.01	0.02	-0.04
	GT1P1E4	-1.71	37.75	-49.23	0.00	0.02	-0.04
+2							
	GT1P1	-7.91	40.47	-30.50	0.00	0.02	-0.02
	GT1P1E1	-14.71	37.78	-33.98	-0.01	0.02	-0.03
	GT1P1E2	-4.45	37.78	-37.24	0.00	0.02	-0.03
	GT1P1E3	-11.38	37.78	-23.76	-0.01	0.02	-0.02
	GT1P1E4	-1.11	37.78	-27.02	0.00	0.02	-0.02
+3							
	GT1P1	-7.33	40.47	-12.85	0.00	0.02	-0.01
	GT1P1E1	-14.12	37.78	-16.33	-0.01	0.02	-0.01
	GT1P1E2	-3.86	37.78	-19.60	0.00	0.02	-0.02
	GT1P1E3	-10.80	37.78	-6.09	-0.01	0.02	0.00
	GT1P1E4	-0.53	37.78	-9.37	0.00	0.02	-0.01
+4							
	GT1P1	-6.75	40.46	-1.66	0.00	0.02	0.00
	GT1P1E1	-13.54	37.77	-5.15	-0.01	0.02	0.00
	GT1P1E2	-3.27	37.77	-8.43	0.00	0.02	-0.01
	GT1P1E3	-10.23	37.77	5.10	-0.01	0.02	0.00
	GT1P1E4	0.04	37.77	1.82	0.00	0.02	0.00
+5							
	GT1P1	-6.19	40.45	4.19	0.00	0.02	0.00
	GT1P1E1	-12.97	37.76	0.70	-0.01	0.02	0.00
	GT1P1E2	-2.70	37.75	-2.58	0.00	0.02	0.00
	GT1P1E3	-9.67	37.75	10.96	-0.01	0.02	0.01
	GT1P1E4	0.60	37.75	7.68	0.00	0.02	0.01
+6							
	GT1P1	-5.63	40.44	6.53	0.00	0.02	0.01
	GT1P1E1	-12.41	37.75	3.04	-0.01	0.02	0.00
	GT1P1E2	-2.13	37.75	-0.24	0.00	0.02	0.00
	GT1P1E3	-9.12	37.75	13.30	-0.01	0.02	0.01
	GT1P1E4	1.15	37.75	10.02	0.00	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	-5.08	40.44	6.54	0.00	0.02	0.01
	GT1P1E1	-11.86	37.75	3.04	-0.01	0.02	0.00
	GT1P1E2	-1.58	37.75	-0.23	0.00	0.02	0.00
	GT1P1E3	-8.58	37.75	13.31	0.00	0.02	0.01
	GT1P1E4	1.70	37.75	10.03	0.00	0.02	0.01
+8							
	GT1P1	-4.54	40.45	4.20	0.00	0.02	0.00
	GT1P1E1	-11.31	37.75	0.71	-0.01	0.02	0.00
	GT1P1E2	-1.03	37.75	-2.57	0.00	0.02	0.00
	GT1P1E3	-8.05	37.75	10.97	0.00	0.02	0.01
	GT1P1E4	2.24	37.75	7.69	0.00	0.02	0.01
+9							
	GT1P1	-4.00	40.46	-1.69	0.00	0.02	0.00
	GT1P1E1	-10.77	37.77	-5.18	-0.01	0.02	0.00
	GT1P1E2	-0.48	37.76	-8.46	0.00	0.02	-0.01
	GT1P1E3	-7.52	37.76	5.07	0.00	0.02	0.00
	GT1P1E4	2.77	37.76	1.80	0.00	0.02	0.00
+10							
	GT1P1	-3.47	40.47	-12.98	0.00	0.02	-0.01
	GT1P1E1	-10.24	37.78	-16.46	-0.01	0.02	-0.01
	GT1P1E2	0.05	37.78	-19.74	0.00	0.02	-0.02
	GT1P1E3	-7.00	37.78	-6.22	0.00	0.02	0.00
	GT1P1E4	3.30	37.77	-9.50	0.00	0.02	-0.01
+11							
	GT1P1	-2.95	40.47	-30.82	0.00	0.02	-0.02
	GT1P1E1	-9.71	37.78	-34.29	-0.01	0.02	-0.03
	GT1P1E2	0.59	37.78	-37.57	0.00	0.02	-0.03
	GT1P1E3	-6.48	37.78	-24.08	0.00	0.02	-0.02
	GT1P1E4	3.82	37.78	-27.35	0.00	0.02	-0.02
+12							
	GT1P1	-2.43	40.44	-53.29	0.00	0.02	-0.04
	GT1P1E1	-9.19	37.75	-56.74	-0.01	0.02	-0.05
	GT1P1E2	1.12	37.75	-60.02	0.00	0.02	-0.05
	GT1P1E3	-5.97	37.75	-46.56	0.00	0.02	-0.04
	GT1P1E4	4.33	37.75	-49.84	0.00	0.02	-0.04
+13							
	GT1P1	-1.91	40.35	-71.84	0.00	0.02	-0.06
	GT1P1E1	-8.66	37.65	-75.27	0.00	0.02	-0.06
	GT1P1E2	1.64	37.65	-78.57	0.00	0.02	-0.06
	GT1P1E3	-5.46	37.66	-65.11	0.00	0.02	-0.05
	GT1P1E4	4.85	37.66	-68.41	0.00	0.02	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A15	GT1P1	-5.97	40.35	-71.75	0.00	0.02	-0.06
	GT1P1E1	-12.92	37.66	-74.96	-0.01	0.02	-0.06
	GT1P1E2	-2.81	37.65	-78.59	0.00	0.02	-0.06
	GT1P1E3	-9.13	37.66	-64.92	-0.01	0.02	-0.05
	GT1P1E4	0.98	37.66	-68.54	0.00	0.02	-0.05
+1	GT1P1	-5.46	40.44	-53.25	0.00	0.02	-0.04
	GT1P1E1	-12.41	37.75	-56.45	-0.01	0.02	-0.05
	GT1P1E2	-2.29	37.75	-60.10	0.00	0.02	-0.05
	GT1P1E3	-8.63	37.75	-46.39	0.00	0.02	-0.04
	GT1P1E4	1.48	37.75	-50.05	0.00	0.02	-0.04
+2	GT1P1	-4.96	40.47	-30.81	0.00	0.02	-0.02
	GT1P1E1	-11.90	37.78	-34.01	-0.01	0.02	-0.03
	GT1P1E2	-1.79	37.78	-37.69	0.00	0.02	-0.03
	GT1P1E3	-8.14	37.78	-23.93	0.00	0.02	-0.02
	GT1P1E4	1.97	37.78	-27.61	0.00	0.02	-0.02
+3	GT1P1	-4.47	40.47	-12.98	0.00	0.02	-0.01
	GT1P1E1	-11.41	37.78	-16.18	-0.01	0.02	-0.01
	GT1P1E2	-1.29	37.78	-19.87	0.00	0.02	-0.02
	GT1P1E3	-7.66	37.78	-6.08	0.00	0.02	0.00
	GT1P1E4	2.46	37.78	-9.78	0.00	0.02	-0.01
+4	GT1P1	-3.99	40.46	-1.68	0.00	0.02	0.00
	GT1P1E1	-10.92	37.77	-4.89	-0.01	0.02	0.00
	GT1P1E2	-0.79	37.76	-8.59	0.00	0.02	-0.01
	GT1P1E3	-7.18	37.76	5.22	0.00	0.02	0.00
	GT1P1E4	2.94	37.76	1.52	0.00	0.02	0.00
+5	GT1P1	-3.51	40.45	4.22	0.00	0.02	0.00
	GT1P1E1	-10.43	37.76	1.02	-0.01	0.02	0.00
	GT1P1E2	-0.31	37.75	-2.69	0.00	0.02	0.00
	GT1P1E3	-6.71	37.75	11.13	0.00	0.02	0.01
	GT1P1E4	3.42	37.75	7.43	0.00	0.02	0.01
+6	GT1P1	-3.03	40.44	6.58	0.00	0.02	0.01
	GT1P1E1	-9.96	37.75	3.37	-0.01	0.02	0.00
	GT1P1E2	0.18	37.75	-0.33	0.00	0.02	0.00
	GT1P1E3	-6.24	37.75	13.49	0.00	0.02	0.01
	GT1P1E4	3.89	37.75	9.79	0.00	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7	GT1P1	-2.56	40.44	6.58	0.00	0.02	0.01
	GT1P1E1	-9.48	37.75	3.38	-0.01	0.02	0.00
	GT1P1E2	0.65	37.75	-0.32	0.00	0.02	0.00
	GT1P1E3	-5.78	37.75	13.49	0.00	0.02	0.01
	GT1P1E4	4.36	37.75	9.79	0.00	0.02	0.01
+8	GT1P1	-2.10	40.45	4.23	0.00	0.02	0.00
	GT1P1E1	-9.01	37.75	1.02	-0.01	0.02	0.00
	GT1P1E2	1.13	37.75	-2.68	0.00	0.02	0.00
	GT1P1E3	-5.32	37.75	11.13	0.00	0.02	0.01
	GT1P1E4	4.82	37.75	7.44	0.00	0.02	0.01
+9	GT1P1	-1.63	40.46	-1.70	0.00	0.02	0.00
	GT1P1E1	-8.54	37.77	-4.90	0.00	0.02	0.00
	GT1P1E2	1.60	37.76	-8.60	0.00	0.02	-0.01
	GT1P1E3	-4.87	37.76	5.21	0.00	0.02	0.00
	GT1P1E4	5.28	37.76	1.51	0.00	0.02	0.00
+10	GT1P1	-1.17	40.47	-13.04	0.00	0.02	-0.01
	GT1P1E1	-8.08	37.78	-16.25	0.00	0.02	-0.01
	GT1P1E2	2.07	37.77	-19.94	0.00	0.02	-0.02
	GT1P1E3	-4.41	37.77	-6.15	0.00	0.02	0.00
	GT1P1E4	5.74	37.77	-9.84	0.00	0.02	-0.01
+11	GT1P1	-0.71	40.47	-30.97	0.00	0.02	-0.02
	GT1P1E1	-7.62	37.78	-34.16	0.00	0.02	-0.03
	GT1P1E2	2.54	37.77	-37.86	0.00	0.02	-0.03
	GT1P1E3	-3.96	37.77	-24.09	0.00	0.02	-0.02
	GT1P1E4	6.19	37.77	-27.78	0.00	0.02	-0.02
+12	GT1P1	-0.25	40.44	-53.55	0.00	0.02	-0.04
	GT1P1E1	-7.15	37.75	-56.72	0.00	0.02	-0.05
	GT1P1E2	3.01	37.75	-60.42	0.00	0.02	-0.05
	GT1P1E3	-3.51	37.75	-46.68	0.00	0.02	-0.04
	GT1P1E4	6.65	37.75	-50.38	0.00	0.02	-0.04
+13	GT1P1	0.21	40.36	-72.18	0.00	0.02	-0.06
	GT1P1E1	-6.69	37.66	-75.33	0.00	0.02	-0.06
	GT1P1E2	3.47	37.66	-79.05	0.00	0.02	-0.06
	GT1P1E3	-3.06	37.66	-65.32	0.00	0.02	-0.05
	GT1P1E4	7.10	37.66	-69.04	0.00	0.02	-0.06

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A16							
	GT1P1	-3.93	40.36	-72.14	0.00	0.02	-0.06
	GT1P1E1	-11.01	37.66	-75.07	-0.01	0.02	-0.06
	GT1P1E2	-1.06	37.66	-79.10	0.00	0.02	-0.06
	GT1P1E3	-6.81	37.66	-65.18	0.00	0.02	-0.05
	GT1P1E4	3.14	37.66	-69.22	0.00	0.02	-0.06
+1							
	GT1P1	-3.48	40.44	-53.53	0.00	0.02	-0.04
	GT1P1E1	-10.55	37.75	-56.45	-0.01	0.02	-0.05
	GT1P1E2	-0.60	37.75	-60.51	0.00	0.02	-0.05
	GT1P1E3	-6.36	37.75	-46.55	0.00	0.02	-0.04
	GT1P1E4	3.58	37.75	-50.61	0.00	0.02	-0.04
+2							
	GT1P1	-3.03	40.47	-30.97	0.00	0.02	-0.02
	GT1P1E1	-10.10	37.78	-33.88	-0.01	0.02	-0.03
	GT1P1E2	-0.14	37.78	-37.97	0.00	0.02	-0.03
	GT1P1E3	-5.92	37.78	-23.96	0.00	0.02	-0.02
	GT1P1E4	4.03	37.77	-28.06	0.00	0.02	-0.02
+3							
	GT1P1	-2.59	40.47	-13.04	0.00	0.02	-0.01
	GT1P1E1	-9.65	37.78	-15.96	-0.01	0.02	-0.01
	GT1P1E2	0.31	37.77	-20.06	0.00	0.02	-0.02
	GT1P1E3	-5.49	37.77	-6.02	0.00	0.02	0.00
	GT1P1E4	4.47	37.77	-10.13	0.00	0.02	-0.01
+4							
	GT1P1	-2.15	40.46	-1.69	0.00	0.02	0.00
	GT1P1E1	-9.21	37.77	-4.61	-0.01	0.02	0.00
	GT1P1E2	0.76	37.76	-8.72	0.00	0.02	-0.01
	GT1P1E3	-5.05	37.76	5.34	0.00	0.02	0.00
	GT1P1E4	4.91	37.76	1.22	0.00	0.02	0.00
+5							
	GT1P1	-1.71	40.45	4.24	0.00	0.02	0.00
	GT1P1E1	-8.77	37.75	1.32	0.00	0.02	0.00
	GT1P1E2	1.20	37.75	-2.80	0.00	0.02	0.00
	GT1P1E3	-4.62	37.75	11.27	0.00	0.02	0.01
	GT1P1E4	5.34	37.75	7.16	0.00	0.02	0.01
+6							
	GT1P1	-1.28	40.44	6.61	0.00	0.02	0.01
	GT1P1E1	-8.33	37.75	3.69	0.00	0.02	0.00
	GT1P1E2	1.64	37.75	-0.43	0.00	0.02	0.00
	GT1P1E3	-4.20	37.75	13.64	0.00	0.02	0.01
	GT1P1E4	5.77	37.75	9.52	0.00	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	-0.84	40.44	6.61	0.00	0.02	0.01
	GT1P1E1	-7.89	37.75	3.69	0.00	0.02	0.00
	GT1P1E2	2.08	37.75	-0.43	0.00	0.02	0.00
	GT1P1E3	-3.77	37.75	13.64	0.00	0.02	0.01
	GT1P1E4	6.20	37.75	9.53	0.00	0.02	0.01
+8							
	GT1P1	-0.41	40.45	4.24	0.00	0.02	0.00
	GT1P1E1	-7.46	37.75	1.32	0.00	0.02	0.00
	GT1P1E2	2.52	37.75	-2.79	0.00	0.02	0.00
	GT1P1E3	-3.35	37.75	11.27	0.00	0.02	0.01
	GT1P1E4	6.63	37.75	7.16	0.00	0.02	0.01
+9							
	GT1P1	0.02	40.45	-1.70	0.00	0.02	0.00
	GT1P1E1	-7.02	37.76	-4.62	0.00	0.02	0.00
	GT1P1E2	2.96	37.76	-8.73	0.00	0.02	-0.01
	GT1P1E3	-2.93	37.76	5.33	0.00	0.02	0.00
	GT1P1E4	7.06	37.76	1.22	0.00	0.02	0.00
+10							
	GT1P1	0.45	40.46	-13.07	0.00	0.02	-0.01
	GT1P1E1	-6.59	37.77	-15.98	0.00	0.02	-0.01
	GT1P1E2	3.40	37.77	-20.09	0.00	0.02	-0.02
	GT1P1E3	-2.50	37.77	-6.05	0.00	0.02	0.00
	GT1P1E4	7.49	37.77	-10.16	0.00	0.02	-0.01
+11							
	GT1P1	0.88	40.47	-31.03	0.00	0.02	-0.02
	GT1P1E1	-6.15	37.78	-33.94	0.00	0.02	-0.03
	GT1P1E2	3.84	37.77	-38.04	0.00	0.02	-0.03
	GT1P1E3	-2.08	37.77	-24.02	0.00	0.02	-0.02
	GT1P1E4	7.91	37.77	-28.13	0.00	0.02	-0.02
+12							
	GT1P1	1.32	40.44	-53.65	0.00	0.02	-0.04
	GT1P1E1	-5.71	37.75	-56.53	0.00	0.02	-0.05
	GT1P1E2	4.29	37.75	-60.65	0.00	0.02	-0.05
	GT1P1E3	-1.65	37.75	-46.65	0.00	0.02	-0.04
	GT1P1E4	8.34	37.75	-50.76	0.00	0.02	-0.04
+13							
	GT1P1	1.75	40.36	-72.31	0.00	0.02	-0.06
	GT1P1E1	-5.28	37.66	-75.17	0.00	0.02	-0.06
	GT1P1E2	4.73	37.66	-79.30	0.00	0.02	-0.06
	GT1P1E3	-1.23	37.66	-65.32	0.00	0.02	-0.05
	GT1P1E4	8.78	37.66	-69.45	0.00	0.02	-0.06

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A17	GT1P1	-2.42	40.36	-72.30	0.00	0.02	-0.06
	GT1P1E1	-9.60	37.66	-74.94	-0.01	0.02	-0.06
	GT1P1E2	0.16	37.66	-79.38	0.00	0.02	-0.06
	GT1P1E3	-5.00	37.66	-65.22	0.00	0.02	-0.05
	GT1P1E4	4.76	37.67	-69.66	0.00	0.02	-0.06
+1	GT1P1	-1.99	40.44	-53.64	0.00	0.02	-0.04
	GT1P1E1	-9.17	37.75	-56.27	-0.01	0.02	-0.05
	GT1P1E2	0.60	37.75	-60.74	0.00	0.02	-0.05
	GT1P1E3	-4.57	37.75	-46.55	0.00	0.02	-0.04
	GT1P1E4	5.19	37.75	-51.02	0.00	0.02	-0.04
+2	GT1P1	-1.56	40.47	-31.03	0.00	0.02	-0.02
	GT1P1E1	-8.73	37.78	-33.65	0.00	0.02	-0.03
	GT1P1E2	1.04	37.77	-38.15	0.00	0.02	-0.03
	GT1P1E3	-4.15	37.77	-23.91	0.00	0.02	-0.02
	GT1P1E4	5.62	37.77	-28.41	0.00	0.02	-0.02
+3	GT1P1	-1.13	40.47	-13.07	0.00	0.02	-0.01
	GT1P1E1	-8.30	37.78	-15.69	0.00	0.02	-0.01
	GT1P1E2	1.48	37.77	-20.21	0.00	0.02	-0.02
	GT1P1E3	-3.73	37.77	-5.94	0.00	0.02	0.00
	GT1P1E4	6.05	37.77	-10.45	0.00	0.02	-0.01
+4	GT1P1	-0.70	40.46	-1.70	0.00	0.02	0.00
	GT1P1E1	-7.87	37.76	-4.32	0.00	0.02	0.00
	GT1P1E2	1.91	37.76	-8.84	0.00	0.02	-0.01
	GT1P1E3	-3.31	37.76	5.45	0.00	0.02	0.00
	GT1P1E4	6.47	37.76	0.92	0.00	0.02	0.00
+5	GT1P1	-0.27	40.45	4.24	0.00	0.02	0.00
	GT1P1E1	-7.44	37.75	1.62	0.00	0.02	0.00
	GT1P1E2	2.35	37.75	-2.90	0.00	0.02	0.00
	GT1P1E3	-2.89	37.75	11.39	0.00	0.02	0.01
	GT1P1E4	6.89	37.75	6.87	0.00	0.02	0.01
+6	GT1P1	0.15	40.44	6.61	0.00	0.02	0.01
	GT1P1E1	-7.01	37.75	3.99	0.00	0.02	0.00
	GT1P1E2	2.78	37.75	-0.54	0.00	0.02	0.00
	GT1P1E3	-2.47	37.75	13.76	0.00	0.02	0.01
	GT1P1E4	7.32	37.75	9.24	0.00	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	0.58	40.44	6.61	0.00	0.02	0.01
	GT1P1E1	-6.58	37.75	3.98	0.00	0.02	0.00
	GT1P1E2	3.21	37.75	-0.54	0.00	0.02	0.00
	GT1P1E3	-2.05	37.75	13.76	0.00	0.02	0.01
	GT1P1E4	7.74	37.75	9.24	0.00	0.02	0.01
+8							
	GT1P1	1.01	40.44	4.24	0.00	0.02	0.00
	GT1P1E1	-6.15	37.75	1.61	0.00	0.02	0.00
	GT1P1E2	3.65	37.75	-2.91	0.00	0.02	0.00
	GT1P1E3	-1.64	37.75	11.39	0.00	0.02	0.01
	GT1P1E4	8.17	37.75	6.87	0.00	0.02	0.01
+9							
	GT1P1	1.44	40.45	-1.70	0.00	0.02	0.00
	GT1P1E1	-5.72	37.76	-4.32	0.00	0.02	0.00
	GT1P1E2	4.09	37.76	-8.84	0.00	0.02	-0.01
	GT1P1E3	-1.22	37.76	5.45	0.00	0.02	0.00
	GT1P1E4	8.59	37.76	0.93	0.00	0.02	0.00
+10							
	GT1P1	1.87	40.46	-13.06	0.00	0.02	-0.01
	GT1P1E1	-5.29	37.77	-15.68	0.00	0.02	-0.01
	GT1P1E2	4.53	37.77	-20.19	0.00	0.02	-0.02
	GT1P1E3	-0.79	37.77	-5.92	0.00	0.02	0.00
	GT1P1E4	9.02	37.77	-10.44	0.01	0.02	-0.01
+11							
	GT1P1	2.30	40.46	-31.01	0.00	0.02	-0.02
	GT1P1E1	-4.85	37.77	-33.62	0.00	0.02	-0.03
	GT1P1E2	4.97	37.77	-38.13	0.00	0.02	-0.03
	GT1P1E3	-0.37	37.77	-23.89	0.00	0.02	-0.02
	GT1P1E4	9.45	37.77	-28.40	0.01	0.02	-0.02
+12							
	GT1P1	2.74	40.44	-53.60	0.00	0.02	-0.04
	GT1P1E1	-4.41	37.75	-56.20	0.00	0.02	-0.04
	GT1P1E2	5.41	37.75	-60.71	0.00	0.02	-0.05
	GT1P1E3	0.06	37.75	-46.50	0.00	0.02	-0.04
	GT1P1E4	9.88	37.75	-51.01	0.01	0.02	-0.04
+13							
	GT1P1	3.18	40.36	-72.24	0.00	0.02	-0.06
	GT1P1E1	-3.97	37.67	-74.82	0.00	0.02	-0.06
	GT1P1E2	5.86	37.67	-79.34	0.00	0.02	-0.06
	GT1P1E3	0.49	37.67	-65.14	0.00	0.02	-0.05
	GT1P1E4	10.32	37.67	-69.67	0.01	0.02	-0.06

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A18	GT1P1	-0.98	40.36	-72.27	0.00	0.02	-0.06
	GT1P1E1	-8.27	37.67	-74.61	0.00	0.02	-0.06
	GT1P1E2	1.29	37.67	-79.45	0.00	0.02	-0.06
	GT1P1E3	-3.26	37.67	-65.09	0.00	0.02	-0.05
	GT1P1E4	6.30	37.67	-69.92	0.00	0.02	-0.06
+1	GT1P1	-0.54	40.44	-53.61	0.00	0.02	-0.04
	GT1P1E1	-7.82	37.75	-55.94	0.00	0.02	-0.04
	GT1P1E2	1.75	37.75	-60.81	0.00	0.02	-0.05
	GT1P1E3	-2.83	37.75	-46.41	0.00	0.02	-0.04
	GT1P1E4	6.74	37.75	-51.28	0.00	0.02	-0.04
+2	GT1P1	-0.10	40.46	-31.01	0.00	0.02	-0.02
	GT1P1E1	-7.38	37.77	-33.33	0.00	0.02	-0.03
	GT1P1E2	2.20	37.77	-38.23	0.00	0.02	-0.03
	GT1P1E3	-2.39	37.77	-23.79	0.00	0.02	-0.02
	GT1P1E4	7.18	37.77	-28.69	0.00	0.02	-0.02
+3	GT1P1	0.34	40.46	-13.06	0.00	0.02	-0.01
	GT1P1E1	-6.93	37.77	-15.38	0.00	0.02	-0.01
	GT1P1E2	2.65	37.77	-20.30	0.00	0.02	-0.02
	GT1P1E3	-1.96	37.77	-5.82	0.00	0.02	0.00
	GT1P1E4	7.62	37.77	-10.74	0.00	0.02	-0.01
+4	GT1P1	0.79	40.45	-1.70	0.00	0.02	0.00
	GT1P1E1	-6.48	37.76	-4.02	0.00	0.02	0.00
	GT1P1E2	3.10	37.76	-8.95	0.00	0.02	-0.01
	GT1P1E3	-1.52	37.76	5.55	0.00	0.02	0.00
	GT1P1E4	8.06	37.76	0.63	0.00	0.02	0.00
+5	GT1P1	1.23	40.45	4.24	0.00	0.02	0.00
	GT1P1E1	-6.04	37.75	1.91	0.00	0.02	0.00
	GT1P1E2	3.55	37.75	-3.02	0.00	0.02	0.00
	GT1P1E3	-1.09	37.75	11.49	0.00	0.02	0.01
	GT1P1E4	8.50	37.75	6.56	0.00	0.02	0.01
+6	GT1P1	1.68	40.44	6.60	0.00	0.02	0.01
	GT1P1E1	-5.59	37.75	4.27	0.00	0.02	0.00
	GT1P1E2	4.01	37.75	-0.66	0.00	0.02	0.00
	GT1P1E3	-0.65	37.75	13.85	0.00	0.02	0.01
	GT1P1E4	8.94	37.75	8.93	0.01	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	2.13	40.44	6.59	0.00	0.02	0.01
	GT1P1E1	-5.14	37.75	4.26	0.00	0.02	0.00
	GT1P1E2	4.46	37.75	-0.66	0.00	0.02	0.00
	GT1P1E3	-0.21	37.75	13.84	0.00	0.02	0.01
	GT1P1E4	9.39	37.75	8.92	0.01	0.02	0.01
+8							
	GT1P1	2.58	40.44	4.23	0.00	0.02	0.00
	GT1P1E1	-4.68	37.75	1.90	0.00	0.02	0.00
	GT1P1E2	4.92	37.75	-3.02	0.00	0.02	0.00
	GT1P1E3	0.23	37.75	11.48	0.00	0.02	0.01
	GT1P1E4	9.84	37.75	6.56	0.01	0.02	0.01
+9							
	GT1P1	3.03	40.45	-1.69	0.00	0.02	0.00
	GT1P1E1	-4.23	37.76	-4.02	0.00	0.02	0.00
	GT1P1E2	5.39	37.76	-8.94	0.00	0.02	-0.01
	GT1P1E3	0.68	37.76	5.55	0.00	0.02	0.00
	GT1P1E4	10.29	37.76	0.64	0.01	0.02	0.00
+10							
	GT1P1	3.49	40.46	-13.01	0.00	0.02	-0.01
	GT1P1E1	-3.77	37.77	-15.34	0.00	0.02	-0.01
	GT1P1E2	5.85	37.77	-20.25	0.00	0.02	-0.02
	GT1P1E3	1.13	37.77	-5.78	0.00	0.02	0.00
	GT1P1E4	10.75	37.77	-10.69	0.01	0.02	-0.01
+11							
	GT1P1	3.96	40.46	-30.89	0.00	0.02	-0.02
	GT1P1E1	-3.30	37.77	-33.21	0.00	0.02	-0.03
	GT1P1E2	6.33	37.77	-38.12	0.00	0.02	-0.03
	GT1P1E3	1.59	37.77	-23.67	0.00	0.02	-0.02
	GT1P1E4	11.21	37.77	-28.58	0.01	0.02	-0.02
+12							
	GT1P1	4.43	40.44	-53.40	0.00	0.02	-0.04
	GT1P1E1	-2.83	37.75	-55.70	0.00	0.02	-0.04
	GT1P1E2	6.80	37.75	-60.61	0.00	0.02	-0.05
	GT1P1E3	2.05	37.75	-46.19	0.00	0.02	-0.04
	GT1P1E4	11.68	37.75	-51.11	0.01	0.02	-0.04
+13							
	GT1P1	4.90	40.37	-71.97	0.00	0.02	-0.06
	GT1P1E1	-2.35	37.67	-74.25	0.00	0.02	-0.06
	GT1P1E2	7.29	37.67	-79.17	0.00	0.02	-0.06
	GT1P1E3	2.51	37.67	-64.77	0.00	0.02	-0.05
	GT1P1E4	12.15	37.67	-69.69	0.01	0.02	-0.06

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A19							
	GT1P1	0.79	40.37	-72.04	0.00	0.02	-0.06
	GT1P1E1	-6.58	37.67	-74.08	0.00	0.02	-0.06
	GT1P1E2	2.77	37.67	-79.31	0.00	0.02	-0.06
	GT1P1E3	-1.18	37.67	-64.76	0.00	0.02	-0.05
	GT1P1E4	8.17	37.67	-69.99	0.00	0.02	-0.06
+1							
	GT1P1	1.28	40.44	-53.44	0.00	0.02	-0.04
	GT1P1E1	-6.09	37.75	-55.47	0.00	0.02	-0.04
	GT1P1E2	3.26	37.75	-60.73	0.00	0.02	-0.05
	GT1P1E3	-0.70	37.75	-46.15	0.00	0.02	-0.04
	GT1P1E4	8.65	37.75	-51.41	0.00	0.02	-0.04
+2							
	GT1P1	1.76	40.46	-30.91	0.00	0.02	-0.02
	GT1P1E1	-5.60	37.77	-32.93	0.00	0.02	-0.03
	GT1P1E2	3.76	37.77	-38.22	0.00	0.02	-0.03
	GT1P1E3	-0.23	37.77	-23.60	0.00	0.02	-0.02
	GT1P1E4	9.13	37.77	-28.88	0.01	0.02	-0.02
+3							
	GT1P1	2.25	40.46	-13.01	0.00	0.02	-0.01
	GT1P1E1	-5.11	37.77	-15.04	0.00	0.02	-0.01
	GT1P1E2	4.25	37.77	-20.34	0.00	0.02	-0.02
	GT1P1E3	0.25	37.77	-5.69	0.00	0.02	0.00
	GT1P1E4	9.62	37.77	-10.99	0.01	0.02	-0.01
+4							
	GT1P1	2.74	40.45	-1.69	0.00	0.02	0.00
	GT1P1E1	-4.62	37.76	-3.72	0.00	0.02	0.00
	GT1P1E2	4.75	37.76	-9.03	0.00	0.02	-0.01
	GT1P1E3	0.74	37.76	5.64	0.00	0.02	0.00
	GT1P1E4	10.11	37.76	0.33	0.01	0.02	0.00
+5							
	GT1P1	3.24	40.44	4.21	0.00	0.02	0.00
	GT1P1E1	-4.12	37.75	2.19	0.00	0.02	0.00
	GT1P1E2	5.26	37.75	-3.13	0.00	0.02	0.00
	GT1P1E3	1.22	37.75	11.56	0.00	0.02	0.01
	GT1P1E4	10.60	37.75	6.24	0.01	0.02	0.00
+6							
	GT1P1	3.74	40.44	6.56	0.00	0.02	0.01
	GT1P1E1	-3.62	37.75	4.53	0.00	0.02	0.00
	GT1P1E2	5.77	37.75	-0.78	0.00	0.02	0.00
	GT1P1E3	1.72	37.75	13.90	0.00	0.02	0.01
	GT1P1E4	11.10	37.75	8.59	0.01	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	4.25	40.44	6.55	0.00	0.02	0.01
	GT1P1E1	-3.11	37.75	4.52	0.00	0.02	0.00
	GT1P1E2	6.28	37.75	-0.79	0.00	0.02	0.00
	GT1P1E3	2.21	37.75	13.90	0.00	0.02	0.01
	GT1P1E4	11.60	37.75	8.58	0.01	0.02	0.01
+8							
	GT1P1	4.76	40.44	4.21	0.00	0.02	0.00
	GT1P1E1	-2.60	37.75	2.18	0.00	0.02	0.00
	GT1P1E2	6.80	37.75	-3.13	0.00	0.02	0.00
	GT1P1E3	2.72	37.75	11.55	0.00	0.02	0.01
	GT1P1E4	12.11	37.75	6.24	0.01	0.02	0.00
+9							
	GT1P1	5.27	40.45	-1.68	0.00	0.02	0.00
	GT1P1E1	-2.08	37.76	-3.70	0.00	0.02	0.00
	GT1P1E2	7.33	37.76	-9.01	0.00	0.02	-0.01
	GT1P1E3	3.22	37.76	5.66	0.00	0.02	0.00
	GT1P1E4	12.62	37.76	0.35	0.01	0.02	0.00
+10							
	GT1P1	5.80	40.46	-12.92	0.00	0.02	-0.01
	GT1P1E1	-1.55	37.77	-14.94	0.00	0.02	-0.01
	GT1P1E2	7.86	37.77	-20.25	0.00	0.02	-0.02
	GT1P1E3	3.74	37.77	-5.59	0.00	0.02	0.00
	GT1P1E4	13.15	37.77	-10.89	0.01	0.02	-0.01
+11							
	GT1P1	6.33	40.46	-30.67	0.00	0.02	-0.02
	GT1P1E1	-1.01	37.77	-32.68	0.00	0.02	-0.03
	GT1P1E2	8.40	37.77	-37.98	0.00	0.02	-0.03
	GT1P1E3	4.27	37.77	-23.36	0.00	0.02	-0.02
	GT1P1E4	13.68	37.77	-28.65	0.01	0.02	-0.02
+12							
	GT1P1	6.88	40.44	-53.01	0.00	0.02	-0.04
	GT1P1E1	-0.47	37.75	-55.01	0.00	0.02	-0.04
	GT1P1E2	8.95	37.75	-60.31	0.01	0.02	-0.05
	GT1P1E3	4.80	37.75	-45.71	0.00	0.02	-0.04
	GT1P1E4	14.22	37.75	-51.01	0.01	0.02	-0.04
+13							
	GT1P1	7.43	40.37	-71.42	0.00	0.02	-0.06
	GT1P1E1	0.09	37.67	-73.40	0.00	0.02	-0.06
	GT1P1E2	9.51	37.67	-78.71	0.01	0.02	-0.06
	GT1P1E3	5.34	37.67	-64.13	0.00	0.02	-0.05
	GT1P1E4	14.77	37.67	-69.44	0.01	0.02	-0.06

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A20							
	GT1P1	3.44	40.37	-71.54	0.00	0.02	-0.06
	GT1P1E1	-4.01	37.67	-73.28	0.00	0.02	-0.06
	GT1P1E2	5.10	37.67	-78.89	0.00	0.02	-0.06
	GT1P1E3	1.77	37.67	-64.19	0.00	0.02	-0.05
	GT1P1E4	10.88	37.67	-69.80	0.01	0.02	-0.06
+1							
	GT1P1	4.00	40.44	-53.07	0.00	0.02	-0.04
	GT1P1E1	-3.44	37.75	-54.79	0.00	0.02	-0.04
	GT1P1E2	5.68	37.75	-60.43	0.00	0.02	-0.05
	GT1P1E3	2.33	37.75	-45.70	0.00	0.02	-0.04
	GT1P1E4	11.45	37.75	-51.34	0.01	0.02	-0.04
+2							
	GT1P1	4.58	40.46	-30.69	0.00	0.02	-0.02
	GT1P1E1	-2.87	37.77	-32.41	0.00	0.02	-0.03
	GT1P1E2	6.26	37.77	-38.08	0.00	0.02	-0.03
	GT1P1E3	2.89	37.77	-23.30	0.00	0.02	-0.02
	GT1P1E4	12.02	37.77	-28.97	0.01	0.02	-0.02
+3							
	GT1P1	5.16	40.46	-12.92	0.00	0.02	-0.01
	GT1P1E1	-2.28	37.77	-14.64	0.00	0.02	-0.01
	GT1P1E2	6.85	37.77	-20.33	0.00	0.02	-0.02
	GT1P1E3	3.46	37.77	-5.52	0.00	0.02	0.00
	GT1P1E4	12.60	37.77	-11.20	0.01	0.02	-0.01
+4							
	GT1P1	5.74	40.45	-1.68	0.00	0.02	0.00
	GT1P1E1	-1.69	37.76	-3.40	0.00	0.02	0.00
	GT1P1E2	7.45	37.76	-9.10	0.00	0.02	-0.01
	GT1P1E3	4.04	37.76	5.73	0.00	0.02	0.00
	GT1P1E4	13.18	37.76	0.03	0.01	0.02	0.00
+5							
	GT1P1	6.34	40.44	4.18	0.00	0.02	0.00
	GT1P1E1	-1.10	37.75	2.45	0.00	0.02	0.00
	GT1P1E2	8.05	37.75	-3.24	0.00	0.02	0.00
	GT1P1E3	4.63	37.75	11.59	0.00	0.02	0.01
	GT1P1E4	13.78	37.75	5.90	0.01	0.02	0.00
+6							
	GT1P1	6.94	40.44	6.50	0.00	0.02	0.01
	GT1P1E1	-0.49	37.75	4.78	0.00	0.02	0.00
	GT1P1E2	8.66	37.75	-0.92	0.00	0.02	0.00
	GT1P1E3	5.23	37.75	13.92	0.00	0.02	0.01
	GT1P1E4	14.38	37.75	8.22	0.01	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	7.56	40.44	6.49	0.00	0.02	0.01
	GT1P1E1	0.13	37.75	4.76	0.00	0.02	0.00
	GT1P1E2	9.28	37.75	-0.93	0.01	0.02	0.00
	GT1P1E3	5.83	37.75	13.91	0.00	0.02	0.01
	GT1P1E4	14.99	37.75	8.21	0.01	0.02	0.01
+8							
	GT1P1	8.18	40.44	4.16	0.00	0.02	0.00
	GT1P1E1	0.75	37.75	2.43	0.00	0.02	0.00
	GT1P1E2	9.92	37.75	-3.26	0.01	0.02	0.00
	GT1P1E3	6.45	37.75	11.58	0.00	0.02	0.01
	GT1P1E4	15.61	37.75	5.88	0.01	0.02	0.00
+9							
	GT1P1	8.82	40.45	-1.65	0.00	0.02	0.00
	GT1P1E1	1.39	37.76	-3.38	0.00	0.02	0.00
	GT1P1E2	10.56	37.76	-9.07	0.01	0.02	-0.01
	GT1P1E3	7.08	37.76	5.76	0.00	0.02	0.00
	GT1P1E4	16.25	37.76	0.07	0.01	0.02	0.00
+10							
	GT1P1	9.47	40.46	-12.75	0.01	0.02	-0.01
	GT1P1E1	2.04	37.77	-14.47	0.00	0.02	-0.01
	GT1P1E2	11.22	37.77	-20.15	0.01	0.02	-0.02
	GT1P1E3	7.72	37.77	-5.34	0.00	0.02	0.00
	GT1P1E4	16.89	37.77	-11.03	0.01	0.02	-0.01
+11							
	GT1P1	10.13	40.46	-30.25	0.01	0.02	-0.02
	GT1P1E1	2.70	37.77	-31.96	0.00	0.02	-0.03
	GT1P1E2	11.89	37.77	-37.64	0.01	0.02	-0.03
	GT1P1E3	8.37	37.77	-22.86	0.00	0.02	-0.02
	GT1P1E4	17.55	37.77	-28.54	0.01	0.02	-0.02
+12							
	GT1P1	10.81	40.44	-52.27	0.01	0.02	-0.04
	GT1P1E1	3.38	37.75	-53.97	0.00	0.02	-0.04
	GT1P1E2	12.58	37.75	-59.65	0.01	0.02	-0.05
	GT1P1E3	9.04	37.75	-44.90	0.01	0.02	-0.04
	GT1P1E4	18.23	37.75	-50.58	0.01	0.02	-0.04
+13							
	GT1P1	11.50	40.37	-70.42	0.01	0.02	-0.06
	GT1P1E1	4.08	37.67	-72.10	0.00	0.02	-0.06
	GT1P1E2	13.28	37.67	-77.78	0.01	0.02	-0.06
	GT1P1E3	9.72	37.67	-63.05	0.01	0.02	-0.05
	GT1P1E4	18.92	37.67	-68.74	0.01	0.02	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A21	GT1P1	7.71	40.37	-70.64	0.00	0.02	-0.06
	GT1P1E1	0.20	37.67	-72.07	0.00	0.02	-0.06
	GT1P1E2	9.07	37.67	-78.05	0.01	0.02	-0.06
	GT1P1E3	6.36	37.67	-63.22	0.00	0.02	-0.05
	GT1P1E4	15.22	37.67	-69.20	0.01	0.02	-0.06
+1	GT1P1	8.43	40.44	-52.38	0.00	0.02	-0.04
	GT1P1E1	0.92	37.75	-53.80	0.00	0.02	-0.04
	GT1P1E2	9.79	37.75	-59.81	0.01	0.02	-0.05
	GT1P1E3	7.07	37.75	-44.95	0.00	0.02	-0.04
	GT1P1E4	15.94	37.75	-50.96	0.01	0.02	-0.04
+2	GT1P1	9.16	40.46	-30.29	0.01	0.02	-0.02
	GT1P1E1	1.65	37.77	-31.70	0.00	0.02	-0.03
	GT1P1E2	10.53	37.77	-37.74	0.01	0.02	-0.03
	GT1P1E3	7.79	37.77	-22.83	0.00	0.02	-0.02
	GT1P1E4	16.67	37.77	-28.87	0.01	0.02	-0.02
+3	GT1P1	9.90	40.46	-12.75	0.01	0.02	-0.01
	GT1P1E1	2.40	37.77	-14.16	0.00	0.02	-0.01
	GT1P1E2	11.29	37.77	-20.22	0.01	0.02	-0.02
	GT1P1E3	8.52	37.77	-5.28	0.00	0.02	0.00
	GT1P1E4	17.41	37.77	-11.34	0.01	0.02	-0.01
+4	GT1P1	10.66	40.45	-1.67	0.01	0.02	0.00
	GT1P1E1	3.16	37.76	-3.08	0.00	0.02	0.00
	GT1P1E2	12.05	37.76	-9.15	0.01	0.02	-0.01
	GT1P1E3	9.27	37.76	5.81	0.01	0.02	0.00
	GT1P1E4	18.17	37.76	-0.26	0.01	0.02	0.00
+5	GT1P1	11.44	40.44	4.10	0.01	0.02	0.00
	GT1P1E1	3.93	37.75	2.68	0.00	0.02	0.00
	GT1P1E2	12.83	37.75	-3.38	0.01	0.02	0.00
	GT1P1E3	10.04	37.75	11.58	0.01	0.02	0.01
	GT1P1E4	18.94	37.75	5.51	0.01	0.02	0.00
+6	GT1P1	12.22	40.44	6.37	0.01	0.02	0.01
	GT1P1E1	4.73	37.75	4.96	0.00	0.02	0.00
	GT1P1E2	13.63	37.75	-1.11	0.01	0.02	0.00
	GT1P1E3	10.82	37.75	13.86	0.01	0.02	0.01
	GT1P1E4	19.72	37.75	7.79	0.01	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	13.03	40.44	6.36	0.01	0.02	0.01
	GT1P1E1	5.53	37.75	4.94	0.00	0.02	0.00
	GT1P1E2	14.45	37.75	-1.13	0.01	0.02	0.00
	GT1P1E3	11.62	37.75	13.84	0.01	0.02	0.01
	GT1P1E4	20.53	37.75	7.78	0.01	0.02	0.01
+8							
	GT1P1	13.86	40.44	4.08	0.01	0.02	0.00
	GT1P1E1	6.36	37.75	2.66	0.00	0.02	0.00
	GT1P1E2	15.28	37.75	-3.41	0.01	0.02	0.00
	GT1P1E3	12.43	37.75	11.56	0.01	0.02	0.01
	GT1P1E4	21.35	37.75	5.50	0.01	0.02	0.00
+9							
	GT1P1	14.70	40.45	-1.61	0.01	0.02	0.00
	GT1P1E1	7.21	37.76	-3.02	0.00	0.02	0.00
	GT1P1E2	16.13	37.76	-9.08	0.01	0.02	-0.01
	GT1P1E3	13.27	37.76	5.87	0.01	0.02	0.00
	GT1P1E4	22.20	37.76	-0.19	0.01	0.02	0.00
+10							
	GT1P1	15.57	40.46	-12.44	0.01	0.02	-0.01
	GT1P1E1	8.07	37.77	-13.86	0.00	0.02	-0.01
	GT1P1E2	17.01	37.77	-19.91	0.01	0.02	-0.02
	GT1P1E3	14.13	37.77	-4.97	0.01	0.02	0.00
	GT1P1E4	23.06	37.77	-11.03	0.01	0.02	-0.01
+11							
	GT1P1	16.45	40.46	-29.52	0.01	0.02	-0.02
	GT1P1E1	8.96	37.77	-30.93	0.01	0.02	-0.02
	GT1P1E2	17.90	37.77	-36.98	0.01	0.02	-0.03
	GT1P1E3	15.01	37.77	-22.07	0.01	0.02	-0.02
	GT1P1E4	23.95	37.77	-28.12	0.01	0.02	-0.02
+12							
	GT1P1	17.36	40.44	-51.00	0.01	0.02	-0.04
	GT1P1E1	9.87	37.75	-52.39	0.01	0.02	-0.04
	GT1P1E2	18.82	37.75	-58.44	0.01	0.02	-0.05
	GT1P1E3	15.91	37.75	-43.56	0.01	0.02	-0.03
	GT1P1E4	24.85	37.75	-49.61	0.01	0.02	-0.04
+13							
	GT1P1	18.30	40.37	-68.68	0.01	0.02	-0.05
	GT1P1E1	10.81	37.68	-70.05	0.01	0.02	-0.06
	GT1P1E2	19.77	37.67	-76.11	0.01	0.02	-0.06
	GT1P1E3	16.83	37.68	-61.25	0.01	0.02	-0.05
	GT1P1E4	25.79	37.68	-67.31	0.01	0.02	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A22							
	GT1P1	14.87	40.37	-69.05	0.01	0.02	-0.06
	GT1P1E1	7.31	37.68	-70.18	0.00	0.02	-0.06
	GT1P1E2	15.91	37.67	-76.52	0.01	0.02	-0.06
	GT1P1E3	13.83	37.68	-61.59	0.01	0.02	-0.05
	GT1P1E4	22.43	37.67	-67.92	0.01	0.02	-0.05
+1							
	GT1P1	15.85	40.44	-51.19	0.01	0.02	-0.04
	GT1P1E1	8.29	37.74	-52.30	0.00	0.02	-0.04
	GT1P1E2	16.90	37.74	-58.68	0.01	0.02	-0.05
	GT1P1E3	14.81	37.74	-43.70	0.01	0.02	-0.03
	GT1P1E4	23.41	37.74	-50.07	0.01	0.02	-0.04
+2							
	GT1P1	16.86	40.45	-29.59	0.01	0.02	-0.02
	GT1P1E1	9.30	37.76	-30.70	0.01	0.02	-0.02
	GT1P1E2	17.92	37.76	-37.10	0.01	0.02	-0.03
	GT1P1E3	15.80	37.76	-22.08	0.01	0.02	-0.02
	GT1P1E4	24.42	37.76	-28.48	0.01	0.02	-0.02
+3							
	GT1P1	17.89	40.44	-12.46	0.01	0.02	-0.01
	GT1P1E1	10.33	37.75	-13.56	0.01	0.02	-0.01
	GT1P1E2	18.95	37.74	-19.98	0.01	0.02	-0.02
	GT1P1E3	16.82	37.74	-4.93	0.01	0.02	0.00
	GT1P1E4	25.44	37.74	-11.35	0.01	0.02	-0.01
+4							
	GT1P1	18.94	40.41	-1.64	0.01	0.02	0.00
	GT1P1E1	11.38	37.72	-2.74	0.01	0.02	0.00
	GT1P1E2	20.01	37.72	-9.17	0.01	0.02	-0.01
	GT1P1E3	17.87	37.72	5.89	0.01	0.02	0.00
	GT1P1E4	26.49	37.72	-0.53	0.02	0.02	0.00
+5							
	GT1P1	20.02	40.41	3.98	0.01	0.02	0.00
	GT1P1E1	12.47	37.72	2.88	0.01	0.02	0.00
	GT1P1E2	21.10	37.71	-3.55	0.01	0.02	0.00
	GT1P1E3	18.94	37.71	11.52	0.01	0.02	0.01
	GT1P1E4	27.57	37.71	5.09	0.02	0.02	0.00
+6							
	GT1P1	21.13	40.45	6.18	0.01	0.02	0.00
	GT1P1E1	13.58	37.75	5.07	0.01	0.02	0.00
	GT1P1E2	22.22	37.75	-1.36	0.01	0.02	0.00
	GT1P1E3	20.04	37.75	13.72	0.01	0.02	0.01
	GT1P1E4	28.68	37.75	7.28	0.02	0.02	0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+7							
	GT1P1	22.27	40.56	6.14	0.01	0.02	0.00
	GT1P1E1	14.72	37.87	5.03	0.01	0.02	0.00
	GT1P1E2	23.37	37.87	-1.40	0.01	0.02	0.00
	GT1P1E3	21.17	37.87	13.67	0.01	0.02	0.01
	GT1P1E4	29.82	37.87	7.24	0.02	0.02	0.01
+8							
	GT1P1	23.44	40.78	3.90	0.01	0.02	0.00
	GT1P1E1	15.89	38.09	2.79	0.01	0.02	0.00
	GT1P1E2	24.54	38.09	-3.63	0.01	0.02	0.00
	GT1P1E3	22.33	38.09	11.44	0.01	0.02	0.01
	GT1P1E4	30.99	38.09	5.01	0.02	0.02	0.00
+9							
	GT1P1	24.64	41.08	-1.59	0.01	0.02	0.00
	GT1P1E1	17.09	38.39	-2.70	0.01	0.02	0.00
	GT1P1E2	25.76	38.39	-9.12	0.01	0.02	-0.01
	GT1P1E3	23.53	38.39	5.94	0.01	0.02	0.00
	GT1P1E4	32.19	38.39	-0.48	0.02	0.02	0.00
+10							
	GT1P1	25.88	41.28	-12.00	0.01	0.02	-0.01
	GT1P1E1	18.33	38.60	-13.10	0.01	0.02	-0.01
	GT1P1E2	27.00	38.60	-19.52	0.02	0.02	-0.02
	GT1P1E3	24.76	38.60	-4.48	0.01	0.02	0.00
	GT1P1E4	33.43	38.60	-10.89	0.02	0.02	-0.01
+11							
	GT1P1	27.15	41.02	-28.36	0.02	0.02	-0.02
	GT1P1E1	19.61	38.35	-29.46	0.01	0.02	-0.02
	GT1P1E2	28.29	38.35	-35.87	0.02	0.02	-0.03
	GT1P1E3	26.02	38.35	-20.86	0.01	0.02	-0.02
	GT1P1E4	34.70	38.35	-27.27	0.02	0.02	-0.02
+12							
	GT1P1	28.47	39.67	-48.87	0.02	0.02	-0.04
	GT1P1E1	20.92	36.99	-49.95	0.01	0.02	-0.04
	GT1P1E2	29.61	36.99	-56.36	0.02	0.02	-0.05
	GT1P1E3	27.33	36.99	-41.38	0.02	0.02	-0.03
	GT1P1E4	36.01	36.99	-47.79	0.02	0.02	-0.04
+13							
	GT1P1	29.82	36.51	-65.62	0.02	0.02	-0.05
	GT1P1E1	22.28	33.82	-66.68	0.01	0.02	-0.05
	GT1P1E2	30.97	33.81	-73.10	0.02	0.02	-0.06
	GT1P1E3	28.67	33.81	-58.14	0.02	0.02	-0.05
	GT1P1E4	37.36	33.81	-64.56	0.02	0.02	-0.05

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz

A23							
	GT1P1	26.87	32.04	-68.00	0.02	0.01	-0.05
	GT1P1E1	19.27	29.31	-68.82	0.01	0.01	-0.06
	GT1P1E2	27.59	29.31	-75.51	0.02	0.01	-0.06
	GT1P1E3	26.15	29.30	-60.49	0.01	0.01	-0.05
	GT1P1E4	34.47	29.31	-67.18	0.02	0.01	-0.05
+1							
	GT1P1	28.01	27.21	-55.16	0.02	0.01	-0.04
	GT1P1E1	20.42	24.41	-55.97	0.01	0.01	-0.04
	GT1P1E2	28.74	24.42	-62.69	0.02	0.01	-0.05
	GT1P1E3	27.29	24.40	-47.64	0.02	0.01	-0.04
	GT1P1E4	35.61	24.41	-54.35	0.02	0.01	-0.04
+2							
	GT1P1	29.18	23.41	-38.06	0.02	0.01	-0.03
	GT1P1E1	21.59	20.53	-38.86	0.01	0.01	-0.03
	GT1P1E2	29.91	20.55	-45.61	0.02	0.01	-0.04
	GT1P1E3	28.45	20.51	-30.52	0.02	0.01	-0.02
	GT1P1E4	36.78	20.53	-37.26	0.02	0.01	-0.03
A24							
	GT1P1	30.62	19.54	-21.88	0.02	0.01	-0.02
	GT1P1E1	23.00	17.11	-22.68	0.01	0.01	-0.02
	GT1P1E2	31.33	17.03	-29.43	0.02	0.01	-0.02
	GT1P1E3	29.86	17.02	-14.34	0.02	0.01	-0.01
	GT1P1E4	38.19	16.93	-21.09	0.02	0.01	-0.02
+1							
	GT1P1	31.92	22.13	-9.36	0.02	0.01	-0.01
	GT1P1E1	24.30	19.62	-10.15	0.01	0.01	-0.01
	GT1P1E2	32.64	19.54	-16.92	0.02	0.01	-0.01
	GT1P1E3	31.15	19.53	-1.80	0.02	0.01	0.00
	GT1P1E4	39.49	19.45	-8.57	0.02	0.01	-0.01
+2							
	GT1P1	33.26	22.81	-1.24	0.02	0.01	0.00
	GT1P1E1	25.64	20.24	-2.03	0.01	0.01	0.00
	GT1P1E2	33.98	20.16	-8.81	0.02	0.01	-0.01
	GT1P1E3	32.48	20.15	6.33	0.02	0.01	0.01
	GT1P1E4	40.83	20.07	-0.45	0.02	0.01	0.00
+3							
	GT1P1	34.63	19.11	3.33	0.02	0.01	0.00
	GT1P1E1	27.01	16.51	2.53	0.02	0.01	0.00
	GT1P1E2	35.36	16.43	-4.25	0.02	0.01	0.00
	GT1P1E3	33.84	16.41	10.90	0.02	0.01	0.01
	GT1P1E4	42.19	16.33	4.12	0.02	0.01	0.00

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+4							
	GT1P1	36.03	11.58	5.45	0.02	0.01	0.00
	GT1P1E1	28.41	8.96	4.65	0.02	0.00	0.00
	GT1P1E2	36.77	8.89	-2.13	0.02	0.00	0.00
	GT1P1E3	35.24	8.86	13.02	0.02	0.00	0.01
	GT1P1E4	43.60	8.79	6.24	0.02	0.00	0.01
+5							
	GT1P1	37.47	4.31	5.94	0.02	0.00	0.00
	GT1P1E1	29.85	1.69	5.15	0.02	0.00	0.00
	GT1P1E2	38.22	1.62	-1.63	0.02	0.00	0.00
	GT1P1E3	36.67	1.58	13.52	0.02	0.00	0.01
	GT1P1E4	45.04	1.52	6.74	0.03	0.00	0.01
A25							
	GT1P1	38.97	3.17	5.06	0.02	0.00	0.00
	GT1P1E1	31.30	0.73	4.26	0.02	0.00	0.00
	GT1P1E2	39.67	0.47	-2.51	0.02	0.00	0.00
	GT1P1E3	38.11	0.47	12.64	0.02	0.00	0.01
	GT1P1E4	46.47	0.21	5.86	0.03	0.00	0.00
+1							
	GT1P1	40.49	9.60	2.48	0.02	0.01	0.00
	GT1P1E1	32.82	7.16	1.68	0.02	0.00	0.00
	GT1P1E2	41.19	6.90	-5.09	0.02	0.00	0.00
	GT1P1E3	39.62	6.90	10.05	0.02	0.00	0.01
	GT1P1E4	47.99	6.64	3.28	0.03	0.00	0.00
+2							
	GT1P1	42.05	15.35	-2.55	0.02	0.01	0.00
	GT1P1E1	34.38	12.92	-3.35	0.02	0.01	0.00
	GT1P1E2	42.76	12.65	-10.12	0.02	0.01	-0.01
	GT1P1E3	41.17	12.66	5.02	0.02	0.01	0.00
	GT1P1E4	49.55	12.40	-1.75	0.03	0.01	0.00
+3							
	GT1P1	43.65	16.10	-11.00	0.02	0.01	-0.01
	GT1P1E1	35.98	13.67	-11.80	0.02	0.01	-0.01
	GT1P1E2	44.37	13.40	-18.56	0.03	0.01	-0.01
	GT1P1E3	42.77	13.41	-3.44	0.02	0.01	0.00
	GT1P1E4	51.15	13.15	-10.21	0.03	0.01	-0.01
+4							
	GT1P1	45.29	11.72	-23.47	0.03	0.01	-0.02
	GT1P1E1	37.62	9.29	-24.26	0.02	0.01	-0.02
	GT1P1E2	46.02	9.03	-31.02	0.03	0.00	-0.02
	GT1P1E3	44.40	9.04	-15.92	0.03	0.00	-0.01
	GT1P1E4	52.79	8.78	-22.68	0.03	0.00	-0.02

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz

+5							
	GT1P1	46.98	6.20	-39.22	0.03	0.00	-0.03
	GT1P1E1	39.31	3.77	-40.00	0.02	0.00	-0.03
	GT1P1E2	47.71	3.51	-46.76	0.03	0.00	-0.04
	GT1P1E3	46.08	3.51	-31.69	0.03	0.00	-0.03
	GT1P1E4	54.48	3.25	-38.45	0.03	0.00	-0.03
A26							
	GT1P1	48.61	4.49	-53.79	0.03	0.00	-0.04
	GT1P1E1	40.89	2.23	-54.55	0.02	0.00	-0.04
	GT1P1E2	49.29	1.78	-61.31	0.03	0.00	-0.05
	GT1P1E3	47.65	1.82	-46.26	0.03	0.00	-0.04
	GT1P1E4	56.04	1.37	-53.02	0.03	0.00	-0.04
+1							
	GT1P1	50.02	8.99	-62.78	0.03	0.00	-0.05
	GT1P1E1	42.31	6.73	-63.53	0.02	0.00	-0.05
	GT1P1E2	50.71	6.28	-70.30	0.03	0.00	-0.06
	GT1P1E3	49.06	6.33	-55.26	0.03	0.00	-0.04
	GT1P1E4	57.46	5.88	-62.03	0.03	0.00	-0.05
A27							
	GT1P1	47.89	14.82	-61.88	0.03	0.01	-0.05
	GT1P1E1	40.14	12.56	-62.39	0.02	0.01	-0.05
	GT1P1E2	48.14	12.12	-69.42	0.03	0.01	-0.06
	GT1P1E3	47.36	12.13	-54.33	0.03	0.01	-0.04
	GT1P1E4	55.36	11.70	-61.36	0.03	0.01	-0.05
+1							
	GT1P1	49.95	17.11	-47.18	0.03	0.01	-0.04
	GT1P1E1	42.20	14.85	-47.67	0.02	0.01	-0.04
	GT1P1E2	50.21	14.41	-54.73	0.03	0.01	-0.04
	GT1P1E3	49.41	14.43	-39.62	0.03	0.01	-0.03
	GT1P1E4	57.42	13.99	-46.68	0.03	0.01	-0.04
+2							
	GT1P1	52.08	13.35	-28.85	0.03	0.01	-0.02
	GT1P1E1	44.33	11.09	-29.34	0.03	0.01	-0.02
	GT1P1E2	52.34	10.66	-36.43	0.03	0.01	-0.03
	GT1P1E3	51.53	10.66	-21.28	0.03	0.01	-0.02
	GT1P1E4	59.54	10.23	-28.37	0.03	0.01	-0.02
+3							
	GT1P1	54.26	7.64	-13.65	0.03	0.00	-0.01
	GT1P1E1	46.51	5.38	-14.13	0.03	0.00	-0.01
	GT1P1E2	54.53	4.95	-21.24	0.03	0.00	-0.02
	GT1P1E3	53.71	4.95	-6.07	0.03	0.00	0.00
	GT1P1E4	61.73	4.52	-13.17	0.03	0.00	-0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A28							
	GT1P1	56.51	6.46	-3.77	0.03	0.00	0.00
	GT1P1E1	48.71	4.38	-4.25	0.03	0.00	0.00
	GT1P1E2	56.73	3.76	-11.37	0.03	0.00	-0.01
	GT1P1E3	55.89	3.78	3.82	0.03	0.00	0.00
	GT1P1E4	63.90	3.17	-3.29	0.04	0.00	0.00
+1							
	GT1P1	58.60	12.56	1.63	0.03	0.01	0.00
	GT1P1E1	50.80	10.48	1.15	0.03	0.01	0.00
	GT1P1E2	58.83	9.86	-5.97	0.03	0.01	0.00
	GT1P1E3	57.97	9.89	9.23	0.03	0.01	0.01
	GT1P1E4	66.00	9.27	2.11	0.04	0.01	0.00
+2							
	GT1P1	60.76	17.76	4.32	0.03	0.01	0.00
	GT1P1E1	52.96	15.68	3.84	0.03	0.01	0.00
	GT1P1E2	60.99	15.06	-3.28	0.03	0.01	0.00
	GT1P1E3	60.12	15.09	11.92	0.03	0.01	0.01
	GT1P1E4	68.15	14.47	4.80	0.04	0.01	0.00
+3							
	GT1P1	62.97	18.25	5.25	0.04	0.01	0.00
	GT1P1E1	55.17	16.17	4.77	0.03	0.01	0.00
	GT1P1E2	63.21	15.54	-2.36	0.04	0.01	0.00
	GT1P1E3	62.33	15.58	12.85	0.04	0.01	0.01
	GT1P1E4	70.36	14.96	5.73	0.04	0.01	0.00
+4							
	GT1P1	65.24	14.06	4.93	0.04	0.01	0.00
	GT1P1E1	57.45	11.98	4.44	0.03	0.01	0.00
	GT1P1E2	65.49	11.36	-2.68	0.04	0.01	0.00
	GT1P1E3	64.60	11.39	12.53	0.04	0.01	0.01
	GT1P1E4	72.64	10.78	5.41	0.04	0.01	0.00
+5							
	GT1P1	67.58	8.99	3.35	0.04	0.00	0.00
	GT1P1E1	59.79	6.90	2.87	0.03	0.00	0.00
	GT1P1E2	67.83	6.29	-4.25	0.04	0.00	0.00
	GT1P1E3	66.93	6.31	10.95	0.04	0.00	0.01
	GT1P1E4	74.98	5.71	3.84	0.04	0.00	0.00
A29							
	GT1P1	70.12	7.79	-0.03	0.04	0.00	0.00
	GT1P1E1	62.28	5.89	-0.51	0.04	0.00	0.00
	GT1P1E2	70.32	5.09	-7.62	0.04	0.00	-0.01
	GT1P1E3	69.41	5.14	7.57	0.04	0.00	0.01
	GT1P1E4	77.45	4.34	0.46	0.04	0.00	0.00

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+1							
	GT1P1	72.60	13.69	-6.05	0.04	0.01	0.00
	GT1P1E1	64.76	11.78	-6.53	0.04	0.01	-0.01
	GT1P1E2	72.81	10.98	-13.64	0.04	0.01	-0.01
	GT1P1E3	71.88	11.04	1.55	0.04	0.01	0.00
	GT1P1E4	79.92	10.24	-5.56	0.05	0.01	0.00
+2							
	GT1P1	75.15	18.82	-15.40	0.04	0.01	-0.01
	GT1P1E1	67.31	16.91	-15.88	0.04	0.01	-0.01
	GT1P1E2	75.36	16.11	-22.98	0.04	0.01	-0.02
	GT1P1E3	74.42	16.17	-7.81	0.04	0.01	-0.01
	GT1P1E4	82.47	15.37	-14.92	0.05	0.01	-0.01
+3							
	GT1P1	77.77	19.51	-28.05	0.04	0.01	-0.02
	GT1P1E1	69.93	17.60	-28.52	0.04	0.01	-0.02
	GT1P1E2	77.99	16.80	-35.62	0.04	0.01	-0.03
	GT1P1E3	77.04	16.86	-20.48	0.04	0.01	-0.02
	GT1P1E4	85.09	16.06	-27.58	0.05	0.01	-0.02
+4							
	GT1P1	80.47	15.76	-42.15	0.05	0.01	-0.03
	GT1P1E1	72.63	13.85	-42.60	0.04	0.01	-0.03
	GT1P1E2	80.69	13.05	-49.71	0.05	0.01	-0.04
	GT1P1E3	79.73	13.11	-34.59	0.05	0.01	-0.03
	GT1P1E4	87.79	12.32	-41.69	0.05	0.01	-0.03
+5							
	GT1P1	83.25	11.12	-52.69	0.05	0.01	-0.04
	GT1P1E1	75.41	9.20	-53.13	0.04	0.01	-0.04
	GT1P1E2	83.48	8.40	-60.24	0.05	0.00	-0.05
	GT1P1E3	82.50	8.47	-45.14	0.05	0.00	-0.04
	GT1P1E4	90.57	7.67	-52.24	0.05	0.00	-0.04
A30							
	GT1P1	82.96	10.08	-54.52	0.05	0.01	-0.04
	GT1P1E1	75.07	8.35	-54.72	0.04	0.00	-0.04
	GT1P1E2	82.70	7.42	-62.08	0.05	0.00	-0.05
	GT1P1E3	82.59	7.40	-46.96	0.05	0.00	-0.04
	GT1P1E4	90.23	6.47	-54.31	0.05	0.00	-0.04
+1							
	GT1P1	85.91	15.71	-42.96	0.05	0.01	-0.03
	GT1P1E1	78.02	13.98	-43.15	0.04	0.01	-0.03
	GT1P1E2	85.66	13.04	-50.53	0.05	0.01	-0.04
	GT1P1E3	85.54	13.03	-35.39	0.05	0.01	-0.03
	GT1P1E4	93.18	12.10	-42.78	0.05	0.01	-0.03

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+2							
	GT1P1	88.95	20.61	-28.11	0.05	0.01	-0.02
	GT1P1E1	81.05	18.87	-28.29	0.05	0.01	-0.02
	GT1P1E2	88.70	17.93	-35.70	0.05	0.01	-0.03
	GT1P1E3	88.57	17.94	-20.52	0.05	0.01	-0.02
	GT1P1E4	96.21	16.99	-27.94	0.05	0.01	-0.02
+3							
	GT1P1	92.07	21.40	-15.08	0.05	0.01	-0.01
	GT1P1E1	84.18	19.67	-15.25	0.05	0.01	-0.01
	GT1P1E2	91.83	18.73	-22.68	0.05	0.01	-0.02
	GT1P1E3	91.68	18.74	-7.49	0.05	0.01	-0.01
	GT1P1E4	99.34	17.79	-14.92	0.06	0.01	-0.01
+4							
	GT1P1	95.28	18.13	-5.79	0.05	0.01	0.00
	GT1P1E1	87.39	16.39	-5.96	0.05	0.01	0.00
	GT1P1E2	95.05	15.45	-13.40	0.05	0.01	-0.01
	GT1P1E3	94.89	15.46	1.82	0.05	0.01	0.00
	GT1P1E4	102.55	14.52	-5.63	0.06	0.01	0.00
+5							
	GT1P1	98.59	14.05	-0.32	0.06	0.01	0.00
	GT1P1E1	90.70	12.31	-0.48	0.05	0.01	0.00
	GT1P1E2	98.36	11.38	-7.93	0.06	0.01	-0.01
	GT1P1E3	98.20	11.37	7.29	0.06	0.01	0.01
	GT1P1E4	105.86	10.44	-0.15	0.06	0.01	0.00
A31							
	GT1P1	102.24	12.35	1.99	0.06	0.01	0.00
	GT1P1E1	94.32	10.79	1.82	0.05	0.01	0.00
	GT1P1E2	101.97	9.69	-5.62	0.06	0.01	0.00
	GT1P1E3	101.79	9.69	9.60	0.06	0.01	0.01
	GT1P1E4	109.43	8.58	2.15	0.06	0.00	0.00
+1							
	GT1P1	105.76	17.54	1.95	0.06	0.01	0.00
	GT1P1E1	97.84	15.99	1.78	0.06	0.01	0.00
	GT1P1E2	105.49	14.88	-5.66	0.06	0.01	0.00
	GT1P1E3	105.30	14.89	9.55	0.06	0.01	0.01
	GT1P1E4	112.95	13.78	2.11	0.06	0.01	0.00
+2							
	GT1P1	109.38	21.86	0.27	0.06	0.01	0.00
	GT1P1E1	101.46	20.31	0.10	0.06	0.01	0.00
	GT1P1E2	109.12	19.21	-7.33	0.06	0.01	-0.01
	GT1P1E3	108.92	19.23	7.87	0.06	0.01	0.01
	GT1P1E4	116.57	18.12	0.43	0.07	0.01	0.00

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+3							
	GT1P1	113.12	22.08	-2.52	0.06	0.01	0.00
	GT1P1E1	105.19	20.53	-2.68	0.06	0.01	0.00
	GT1P1E2	112.86	19.44	-10.10	0.06	0.01	-0.01
	GT1P1E3	112.64	19.46	5.07	0.06	0.01	0.00
	GT1P1E4	120.31	18.37	-2.35	0.07	0.01	0.00
+4							
	GT1P1	116.96	18.15	-5.88	0.07	0.01	0.00
	GT1P1E1	109.04	16.61	-6.04	0.06	0.01	0.00
	GT1P1E2	116.71	15.53	-13.44	0.07	0.01	-0.01
	GT1P1E3	116.48	15.55	1.69	0.07	0.01	0.00
	GT1P1E4	124.15	14.47	-5.71	0.07	0.01	0.00
+5							
	GT1P1	120.92	13.20	-8.98	0.07	0.01	-0.01
	GT1P1E1	113.00	11.67	-9.14	0.06	0.01	-0.01
	GT1P1E2	120.67	10.61	-16.53	0.07	0.01	-0.01
	GT1P1E3	120.44	10.61	-1.43	0.07	0.01	0.00
	GT1P1E4	128.11	9.55	-8.82	0.07	0.01	-0.01
A32							
	GT1P1	125.45	9.59	-11.69	0.07	0.01	-0.01
	GT1P1E1	117.49	8.26	-11.79	0.07	0.00	-0.01
	GT1P1E2	125.04	7.01	-19.23	0.07	0.00	-0.02
	GT1P1E3	125.01	6.98	-4.14	0.07	0.00	0.00
	GT1P1E4	132.55	5.73	-11.58	0.08	0.00	-0.01
+1							
	GT1P1	130.41	12.43	-13.20	0.07	0.01	-0.01
	GT1P1E1	122.45	11.06	-13.30	0.07	0.01	-0.01
	GT1P1E2	130.00	9.76	-20.78	0.07	0.01	-0.02
	GT1P1E3	129.96	9.73	-5.62	0.07	0.01	0.00
	GT1P1E4	137.51	8.43	-13.11	0.08	0.00	-0.01
+2							
	GT1P1	135.54	10.31	-16.84	0.08	0.01	-0.01
	GT1P1E1	127.58	8.83	-16.93	0.07	0.00	-0.01
	GT1P1E2	135.14	7.41	-24.52	0.08	0.00	-0.02
	GT1P1E3	135.09	7.38	-9.16	0.08	0.00	-0.01
	GT1P1E4	142.65	5.95	-16.75	0.08	0.00	-0.01
+3							
	GT1P1	140.86	0.92	-23.18	0.08	0.00	-0.02
	GT1P1E1	132.90	-0.41	-23.25	0.08	0.00	-0.02
	GT1P1E2	140.47	-1.35	-31.05	0.08	0.00	-0.02
	GT1P1E3	140.40	-1.38	-15.30	0.08	0.00	-0.01
	GT1P1E4	147.97	-2.32	-23.10	0.08	0.00	-0.02

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz

+4							
A33	GT1P1	146.38	-4.64	-29.02	0.08	0.00	-0.02
	GT1P1E1	138.42	-5.69	-29.07	0.08	-0.01	-0.02
	GT1P1E2	145.99	-6.80	-37.18	0.08	-0.01	-0.03
	GT1P1E3	145.91	-6.84	-20.84	0.08	-0.01	-0.02
	GT1P1E4	153.48	-7.95	-28.95	0.09	-0.01	-0.02
	GT1P1	149.95	-5.23	-25.97	0.08	-0.01	-0.03
	GT1P1E1	141.91	-6.14	-25.86	0.08	-0.01	-0.03
	GT1P1E2	149.02	-7.61	-33.00	0.08	-0.01	-0.03
	GT1P1E3	149.64	-7.75	-18.93	0.08	-0.01	-0.02
	GT1P1E4	156.74	-9.21	-26.08	0.09	-0.01	-0.03
+1							
	GT1P1	155.86	7.09	-19.40	0.09	0.01	-0.02
	GT1P1E1	147.82	6.19	-19.27	0.08	0.01	-0.02
	GT1P1E2	154.93	4.71	-26.70	0.09	0.00	-0.03
	GT1P1E3	155.54	4.60	-12.09	0.09	0.00	-0.01
	GT1P1E4	162.65	3.12	-19.53	0.09	0.00	-0.02
+2							
	GT1P1	161.98	20.39	-11.48	0.09	0.02	-0.01
	GT1P1E1	153.94	19.45	-11.34	0.09	0.02	-0.01
	GT1P1E2	161.05	17.87	-18.98	0.09	0.02	-0.02
	GT1P1E3	161.65	17.77	-3.98	0.09	0.02	0.00
	GT1P1E4	168.77	16.19	-11.62	0.10	0.02	-0.01
+3							
	GT1P1	168.31	30.86	-5.07	0.10	0.03	0.00
	GT1P1E1	160.28	29.90	-4.92	0.09	0.03	0.00
	GT1P1E2	167.40	28.26	-12.67	0.09	0.03	-0.01
	GT1P1E3	167.99	28.18	2.54	0.10	0.03	0.00
	GT1P1E4	175.11	26.54	-5.21	0.10	0.03	-0.01
+4							
	GT1P1	174.88	37.46	-0.92	0.10	0.04	0.00
	GT1P1E1	166.84	36.49	-0.77	0.09	0.04	0.00
	GT1P1E2	173.97	34.83	-8.57	0.10	0.04	-0.01
	GT1P1E3	174.55	34.76	6.73	0.10	0.04	0.01
	GT1P1E4	181.68	33.09	-1.07	0.10	0.03	0.00
+5							
	GT1P1	181.69	40.75	1.20	0.10	0.04	0.00
	GT1P1E1	173.65	39.79	1.35	0.10	0.04	0.00
	GT1P1E2	180.78	38.12	-6.46	0.10	0.04	-0.01
	GT1P1E3	181.35	38.05	8.86	0.10	0.04	0.01
	GT1P1E4	188.48	36.39	1.05	0.11	0.04	0.00

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
+6	GT1P1	188.74	41.79	1.82	0.11	0.04	0.00
	GT1P1E1	180.70	40.83	1.97	0.10	0.04	0.00
	GT1P1E2	187.84	39.17	-5.83	0.11	0.04	-0.01
	GT1P1E3	188.40	39.10	9.47	0.11	0.04	0.01
	GT1P1E4	195.54	37.44	1.67	0.11	0.04	0.00
+7	GT1P1	196.05	41.52	1.32	0.11	0.04	0.00
	GT1P1E1	188.02	40.57	1.46	0.11	0.04	0.00
	GT1P1E2	195.16	38.91	-6.32	0.11	0.04	-0.01
	GT1P1E3	195.71	38.85	8.95	0.11	0.04	0.01
	GT1P1E4	202.85	37.19	1.17	0.11	0.04	0.00
+8	GT1P1	203.63	40.58	-0.17	0.12	0.04	0.00
	GT1P1E1	195.60	39.63	-0.02	0.11	0.04	0.00
	GT1P1E2	202.74	37.98	-7.79	0.11	0.04	-0.01
	GT1P1E3	203.29	37.92	7.46	0.12	0.04	0.01
	GT1P1E4	210.44	36.27	-0.31	0.12	0.04	0.00
+9	GT1P1	211.50	39.30	-2.68	0.12	0.04	0.00
	GT1P1E1	203.46	38.35	-2.54	0.12	0.04	0.00
	GT1P1E2	210.61	36.71	-10.30	0.12	0.04	-0.01
	GT1P1E3	211.15	36.64	4.93	0.12	0.04	0.00
	GT1P1E4	218.30	35.00	-2.83	0.12	0.04	0.00
+10	GT1P1	219.65	37.84	-6.20	0.12	0.04	-0.01
	GT1P1E1	211.61	36.90	-6.05	0.12	0.04	-0.01
	GT1P1E2	218.77	35.25	-13.80	0.12	0.04	-0.01
	GT1P1E3	219.30	35.18	1.40	0.12	0.04	0.00
	GT1P1E4	226.45	33.54	-6.36	0.13	0.04	-0.01
+11	GT1P1	228.11	36.40	-10.16	0.13	0.04	-0.01
	GT1P1E1	220.07	35.46	-9.98	0.12	0.04	-0.01
	GT1P1E2	227.23	33.81	-17.75	0.13	0.04	-0.02
	GT1P1E3	227.75	33.74	-2.56	0.13	0.04	0.00
	GT1P1E4	234.91	32.09	-10.32	0.13	0.03	-0.01
+12	GT1P1	236.88	35.43	-12.88	0.13	0.04	-0.01
	GT1P1E1	228.84	34.50	-12.68	0.13	0.04	-0.01
	GT1P1E2	236.00	32.85	-20.46	0.13	0.03	-0.02
	GT1P1E3	236.52	32.77	-5.28	0.13	0.03	-0.01
	GT1P1E4	243.68	31.12	-13.06	0.14	0.03	-0.01

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S O I L F O R C E S & D E F O R M A T I O N S

Point name	Load combination	FORCES (lb/ft)			DEFORMATIONS (in)		
		Long	Vert	Horiz	Long	Vert	Horiz
A34							
	GT1P1	245.28	34.18	-17.31	0.14	0.04	-0.02
	GT1P1E1	237.25	33.30	-16.90	0.13	0.03	-0.02
	GT1P1E2	243.83	31.67	-24.89	0.14	0.03	-0.02
	GT1P1E3	245.39	31.45	-9.74	0.14	0.03	-0.01
	GT1P1E4	251.97	29.81	-17.72	0.14	0.03	-0.02
+1							
	GT1P1	254.01	35.38	-13.18	0.14	0.04	-0.01
	GT1P1E1	245.97	34.51	-12.75	0.14	0.04	-0.01
	GT1P1E2	252.56	32.87	-20.76	0.14	0.03	-0.02
	GT1P1E3	254.11	32.65	-5.60	0.14	0.03	-0.01
	GT1P1E4	260.70	31.01	-13.61	0.15	0.03	-0.01
+2							
	GT1P1	263.03	36.80	-8.31	0.15	0.04	-0.01
	GT1P1E1	255.00	35.94	-7.87	0.14	0.04	-0.01
	GT1P1E2	261.59	34.29	-15.90	0.15	0.04	-0.02
	GT1P1E3	263.14	34.07	-0.73	0.15	0.04	0.00
	GT1P1E4	269.72	32.42	-8.76	0.15	0.03	-0.01
+3							
	GT1P1	272.37	38.03	-4.19	0.15	0.04	0.00
	GT1P1E1	264.34	37.17	-3.73	0.15	0.04	0.00
	GT1P1E2	270.93	35.52	-11.78	0.15	0.04	-0.01
	GT1P1E3	272.47	35.30	3.41	0.15	0.04	0.00
	GT1P1E4	279.06	33.65	-4.64	0.16	0.04	0.00
+4							
	GT1P1	282.04	38.96	-1.14	0.16	0.04	0.00
	GT1P1E1	274.01	38.10	-0.68	0.16	0.04	0.00
	GT1P1E2	280.60	36.44	-8.74	0.16	0.04	-0.01
	GT1P1E3	282.14	36.23	6.46	0.16	0.04	0.01
	GT1P1E4	288.73	34.57	-1.60	0.16	0.04	0.00
+5							
	GT1P1	292.04	39.64	1.05	0.17	0.04	0.00
	GT1P1E1	284.01	38.79	1.52	0.16	0.04	0.00
	GT1P1E2	290.60	37.13	-6.55	0.16	0.04	-0.01
	GT1P1E3	292.14	36.91	8.65	0.17	0.04	0.01
	GT1P1E4	298.73	35.26	0.58	0.17	0.04	0.00
+6							
	GT1P1	302.39	40.20	2.80	0.17	0.04	0.00
	GT1P1E1	294.36	39.35	3.27	0.17	0.04	0.00
	GT1P1E2	300.95	37.69	-4.80	0.17	0.04	0.00
	GT1P1E3	302.49	37.47	10.40	0.17	0.04	0.01
	GT1P1E4	309.08	35.82	2.33	0.18	0.04	0.00

A35

*** Segment A end ***

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
*** Segment A begin ***									
A00 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00							
			0	0	0	0	0 SUST	5122	39000
	Amb to T1		0	0	0	106	0 DISP	106	49328
	Sus. + E1		0	0	0	0	0 OCC	5122	39000
	Sus. + E2		0	0	0	0	0 OCC	5122	39000
	Sus. + E3		0	0	0	0	0 OCC	5122	39000
	Sus. + E4		0	0	0	0	0 OCC	5122	39000
	Max P						H00P	7048	37440
+1 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
			0	0	0	0	0 SUST	5123	39000
	Amb to T1		0	2	0	106	1 DISP	107	49327
	Sus. + E1		0	0	0	0	0 OCC	5123	39000
	Sus. + E2		0	0	0	0	0 OCC	5123	39000
	Sus. + E3		0	0	0	0	0 OCC	5123	39000
	Sus. + E4		0	0	0	0	0 OCC	5123	39000
	Max P						H00P	7048	37440
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
			0	0	0	0	0 SUST	5059	39000
	Amb to T1		0	2	0	313	1 DISP	314	49391
	Sus. + E1		0	0	0	0	0 OCC	5059	39000
	Sus. + E2		0	0	0	0	0 OCC	5059	39000
	Sus. + E3		0	0	0	0	0 OCC	5059	39000
	Sus. + E4		0	0	0	0	0 OCC	5059	39000
	Max P						H00P	7048	37440
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
			0	2	0	0	1 SUST	5060	39000
	Amb to T1		0	6	0	313	3 DISP	317	49390

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	0	2	0	0	0	OCC	5060 39000
	Sus. + E2	0	2	0	0	0	OCC	5060 39000
	Sus. + E3	0	2	0	0	0	OCC	5060 39000
	Sus. + E4	0	2	0	0	0	OCC	5060 39000
	Max P						H00P	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	2	0	1 SUST	4999 39000
	Amb to T1	0	6	0	513	3	DISP	516 49451
	Sus. + E1	0	2	0	0	0	OCC	4999 39000
	Sus. + E2	0	2	0	0	0	OCC	4999 39000
	Sus. + E3	0	2	0	0	0	OCC	4999 39000
	Sus. + E4	0	2	0	0	0	OCC	4999 39000
	Max P						H00P	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		0	4	0	2 SUST	5000 39000
	Amb to T1	0	13	0	513	7	DISP	520 49450
	Sus. + E1	0	4	0	0	0	OCC	5000 39000
	Sus. + E2	0	4	0	0	0	OCC	5000 39000
	Sus. + E3	0	4	0	0	0	OCC	5000 39000
	Sus. + E4	0	4	0	0	0	OCC	5000 39000
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	4	0	2 SUST	4941 39000
	Amb to T1	0	13	0	705	7	DISP	712 49509
	Sus. + E1	0	4	0	0	0	OCC	4941 39000
	Sus. + E2	0	4	0	0	0	OCC	4941 39000
	Sus. + E3	0	4	0	0	0	OCC	4941 39000
	Sus. + E4	0	4	0	0	0	OCC	4941 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	6	0	0	3	SUST	4942	39000
	Amb to T1	1	20	0	705	11	DISP	716	49508
	Sus. + E1	1	6	0	0	0	OCC	4942	39000
	Sus. + E2	1	6	0	0	0	OCC	4942	39000
	Sus. + E3	1	6	0	0	0	OCC	4942	39000
	Sus. + E4	1	6	0	0	0	OCC	4942	39000
	Max P						HOOB	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	6	0	0	3	SUST	4885	39000
	Amb to T1	1	20	0	891	11	DISP	902	49565
	Sus. + E1	1	6	0	0	0	OCC	4886	39000
	Sus. + E2	1	6	0	0	0	OCC	4886	39000
	Sus. + E3	1	6	0	0	0	OCC	4886	39000
	Sus. + E4	1	6	0	0	0	OCC	4885	39000
	Max P						HOOB	7048	37440
+5 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	7	0	0	4	SUST	4886	39000
	Amb to T1	2	23	0	891	13	DISP	903	49564
	Sus. + E1	4	7	0	0	0	OCC	4887	39000
	Sus. + E2	4	7	0	0	0	OCC	4887	39000
	Sus. + E3	4	7	0	0	0	OCC	4887	39000
	Sus. + E4	4	7	0	0	0	OCC	4886	39000
	Max P						HOOB	7048	37440
+5 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	7	0	0	4	SUST	4831	39000
	Amb to T1	2	23	0	1069	13	DISP	1082	49619

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	4	7	0	0	0	OCC	4832	39000
	Sus. + E2	4	7	0	1	0	OCC	4832	39000
	Sus. + E3	4	7	0	0	0	OCC	4832	39000
	Sus. + E4	4	7	0	0	0	OCC	4832	39000
	Max P						H00P	7048	37440
+6 - SIFI= 1.00 UNREST GR + Max P		7	5	0	0	5	SUST	4831	39000
	Amb to T1	3	15	0	1069	9	DISP	1078	49619
	Sus. + E1	7	5	0	0	0	OCC	4832	39000
	Sus. + E2	7	5	0	1	0	OCC	4832	39000
	Sus. + E3	7	5	0	0	0	OCC	4832	39000
	Sus. + E4	7	5	0	0	0	OCC	4832	39000
	Max P						H00P	7048	37440
+6 + SIFI= 1.00 UNREST GR + Max P		7	5	0	0	5	SUST	4779	39000
	Amb to T1	3	15	0	1242	9	DISP	1250	49671
	Sus. + E1	7	5	0	1	0	OCC	4779	39000
	Sus. + E2	7	5	0	1	0	OCC	4779	39000
	Sus. + E3	7	5	0	0	0	OCC	4779	39000
	Sus. + E4	7	5	0	0	0	OCC	4779	39000
	Max P						H00P	7048	37440
+7 - SIFI= 1.00 UNREST GR + Max P		10	4	0	0	6	SUST	4780	39000
	Amb to T1	3	14	0	1242	8	DISP	1250	49670
	Sus. + E1	11	5	0	1	0	OCC	4781	39000
	Sus. + E2	10	5	0	1	0	OCC	4781	39000
	Sus. + E3	11	5	0	0	1	OCC	4781	39000
	Sus. + E4	10	5	0	0	0	OCC	4781	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress Type		
	Max P					HOOB	7048	37440
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	10	4	0	0	6 SUST	4729	39000
	Sus. + E1	3	14	0	1408	8 DISP	1416	49721
	Sus. + E2	11	5	0	1	0 OCC	4730	39000
	Sus. + E3	10	5	0	1	0 OCC	4730	39000
	Sus. + E4	11	5	0	1	1 OCC	4730	39000
	Sus. + E4	10	5	0	0	0 OCC	4730	39000
	Max P					HOOB	7048	37440
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	10	24	0	0	14 SUST	4737	39000
	Sus. + E1	0	78	0	1408	43 DISP	1451	49713
	Sus. + E2	11	24	0	1	1 OCC	4738	39000
	Sus. + E3	10	24	0	1	0 OCC	4738	39000
	Sus. + E4	11	24	0	1	1 OCC	4738	39000
	Sus. + E4	10	24	0	0	0 OCC	4738	39000
	Max P					HOOB	7048	37440
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	10	24	0	0	14 SUST	4688	39000
	Sus. + E1	0	78	0	1568	43 DISP	1611	49762
	Sus. + E2	11	24	0	1	1 OCC	4690	39000
	Sus. + E3	10	24	0	1	0 OCC	4689	39000
	Sus. + E4	11	24	0	1	1 OCC	4689	39000
	Sus. + E4	10	24	0	1	0 OCC	4689	39000
	Max P					HOOB	7048	37440
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	1	56	0	0	31 SUST	4705	39000
	Sus. + E1	9	183	0	1568	101 DISP	1669	49745

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)			Code Stress	Code Allow.			
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress			Type		
	Sus. + E1	1	57	0	1	0	OCC	4706	39000		
	Sus. + E2	1	57	0	1	0	OCC	4706	39000		
	Sus. + E3	1	57	0	1	0	OCC	4706	39000		
	Sus. + E4	1	57	0	1	0	OCC	4706	39000		
	Max P						H00P	7048	37440		
+9 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		1	56	0	0	31	SUST	4658	39000
	Amb to T1	9	183	0	1722	101	DISP	1823	49792		
	Sus. + E1	1	57	0	1	0	OCC	4659	39000		
	Sus. + E2	1	57	0	1	0	OCC	4659	39000		
	Sus. + E3	1	57	0	1	0	OCC	4659	39000		
	Sus. + E4	1	57	0	1	0	OCC	4659	39000		
	Max P						H00P	7048	37440		
+10 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		25	99	0	0	57	SUST	4683	39000
	Amb to T1	26	322	0	1722	179	DISP	1901	49767		
	Sus. + E1	27	100	0	1	1	OCC	4685	39000		
	Sus. + E2	26	101	0	1	1	OCC	4685	39000		
	Sus. + E3	27	101	0	1	1	OCC	4685	39000		
	Sus. + E4	26	100	0	1	1	OCC	4685	39000		
	Max P						H00P	7048	37440		
+10 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		25	99	0	-1	57	SUST	4638	39000
	Amb to T1	26	322	0	1870	179	DISP	2049	49812		
	Sus. + E1	27	100	0	1	1	OCC	4640	39000		
	Sus. + E2	26	101	0	1	1	OCC	4640	39000		
	Sus. + E3	27	101	0	1	1	OCC	4640	39000		
	Sus. + E4	26	100	0	1	1	OCC	4639	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	75	140	0	-1	88	SUST	4669	39000
	Amb to T1	49	456	0	1870	254	DISP	2124	49781
	Sus. + E1	81	143	0	1	3	OCC	4674	39000
	Sus. + E2	78	144	0	1	2	OCC	4673	39000
	Sus. + E3	81	144	0	1	4	OCC	4674	39000
	Sus. + E4	77	143	0	1	2	OCC	4672	39000
	Max P						HOOB	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	75	140	0	-1	88	SUST	4625	39000
	Amb to T1	49	456	0	2013	254	DISP	2267	49825
	Sus. + E1	81	143	0	1	3	OCC	4630	39000
	Sus. + E2	78	144	0	1	2	OCC	4629	39000
	Sus. + E3	81	144	0	1	4	OCC	4630	39000
	Sus. + E4	77	143	0	1	2	OCC	4628	39000
	Max P						HOOB	7048	37440
+12 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	146	151	0	-1	116	SUST	4653	39000
	Amb to T1	69	489	0	2013	274	DISP	2287	49797
	Sus. + E1	157	155	0	1	7	OCC	4661	39000
	Sus. + E2	151	157	0	1	4	OCC	4659	39000
	Sus. + E3	157	157	0	1	7	OCC	4661	39000
	Sus. + E4	151	155	0	1	4	OCC	4658	39000
	Max P						HOOB	7048	37440
+12 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	146	151	0	-1	116	SUST	4611	39000
	Amb to T1	69	489	0	2151	274	DISP	2425	49839

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	157	155	0	1	7	OCC	4619	39000
	Sus. + E2	151	157	0	1	4	OCC	4617	39000
	Sus. + E3	157	157	0	1	7	OCC	4619	39000
	Sus. + E4	151	155	0	1	4	OCC	4616	39000
	Max P						H00P	7048	37440
+13 - SIFI= 1.00 UNREST GR + Max P		210	80	0	-1	124	SUST	4619	39000
	Amb to T1	62	256	0	2151	146	DISP	2297	49831
	Sus. + E1	228	86	0	1	10	OCC	4631	39000
	Sus. + E2	218	87	0	1	6	OCC	4627	39000
	Sus. + E3	228	87	0	1	11	OCC	4631	39000
	Sus. + E4	218	85	0	1	5	OCC	4626	39000
	Max P						H00P	7048	37440
+13 + SIFI= 1.00 UNREST GR + Max P		210	80	0	-1	124	SUST	4579	39000
	Amb to T1	62	256	0	2284	146	DISP	2430	49871
	Sus. + E1	228	86	0	1	10	OCC	4590	39000
	Sus. + E2	218	87	0	1	6	OCC	4586	39000
	Sus. + E3	228	87	0	1	11	OCC	4591	39000
	Sus. + E4	218	85	0	1	5	OCC	4585	39000
	Max P						H00P	7048	37440
+14 - SIFI= 1.00 UNREST GR + Max P		200	146	0	-1	137	SUST	4592	39000
	Amb to T1	12	478	0	2284	265	DISP	2548	49858
	Sus. + E1	220	152	0	1	11	OCC	4604	39000
	Sus. + E2	209	153	0	1	6	OCC	4599	39000
	Sus. + E3	219	153	0	1	11	OCC	4604	39000
	Sus. + E4	208	151	0	1	5	OCC	4598	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+14 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	200	146	0	-1	137 SUST	4552	39000
	Amb to T1		12	478	0	2411	265 DISP	2676	49898
	Sus. + E1		220	152	0	1	11 OCC	4565	39000
	Sus. + E2		209	153	0	1	6 OCC	4560	39000
	Sus. + E3		219	153	0	1	11 OCC	4565	39000
	Sus. + E4		208	151	0	1	5 OCC	4559	39000
	Max P						HOOB	7048	37440
A01 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	7	603	0	-1	334 SUST	4749	39000
	Amb to T1		207	1966	0	2411	1095 DISP	3507	49701
	Sus. + E1		13	605	0	1	3 OCC	4754	39000
	Sus. + E2		10	605	0	1	2 OCC	4752	39000
	Sus. + E3		12	605	0	1	3 OCC	4754	39000
	Sus. + E4		9	605	0	1	1 OCC	4752	39000
	Max P						HOOB	7048	37440
A01 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	12	603	1	-1	334 SUST	4711	39000
	Amb to T1		223	1965	0	2535	1095 DISP	3630	49739
	Sus. + E1		18	605	0	1	3 OCC	4716	39000
	Sus. + E2		14	605	0	1	2 OCC	4715	39000
	Sus. + E3		17	605	0	1	3 OCC	4716	39000
	Sus. + E4		14	605	0	1	1 OCC	4714	39000
	Max P						HOOB	7048	37440
+1 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	151	204	1	-1	140 SUST	4518	39000
	Amb to T1		80	665	0	2535	371 DISP	2906	49932

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	162	208	0	1	7	OCC	4526	39000		
	Sus. + E2	156	210	0	1	4	OCC	4523	39000		
	Sus. + E3	162	210	0	1	7	OCC	4526	39000		
	Sus. + E4	156	208	0	1	4	OCC	4522	39000		
	Max P						H00P	7048	37440		
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		151	204	1	-1	140	SUST	4481	39000
	Amb to T1	80	665	0	2655	371	DISP	3026	49969		
	Sus. + E1	162	208	0	1	7	OCC	4489	39000		
	Sus. + E2	156	210	0	1	4	OCC	4487	39000		
	Sus. + E3	162	210	0	1	7	OCC	4489	39000		
	Sus. + E4	156	208	0	1	4	OCC	4486	39000		
	Max P						H00P	7048	37440		
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		174	13	1	-1	97	SUST	4437	39000
	Amb to T1	4	42	0	2655	24	DISP	2679	50013		
	Sus. + E1	190	19	0	1	10	OCC	4448	39000		
	Sus. + E2	181	21	0	1	6	OCC	4445	39000		
	Sus. + E3	190	21	0	1	10	OCC	4448	39000		
	Sus. + E4	181	19	0	1	5	OCC	4443	39000		
	Max P						H00P	7048	37440		
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		174	13	1	-1	97	SUST	4402	39000
	Amb to T1	4	42	0	2770	24	DISP	2794	50048		
	Sus. + E1	190	19	0	1	10	OCC	4413	39000		
	Sus. + E2	181	21	0	2	6	OCC	4409	39000		
	Sus. + E3	190	21	0	1	10	OCC	4413	39000		
	Sus. + E4	181	19	0	1	5	OCC	4408	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress Type		
	Max P					HOOB	7048	37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00 143	99	1	-1	96 SUST	4402	39000
	Amb to T1	23	321	0	2770	178 DISP	2949	50048
	Sus. + E1	158	104	0	1	8 OCC	4411	39000
	Sus. + E2	150	105	0	2	5 OCC	4408	39000
	Sus. + E3	157	105	0	1	8 OCC	4411	39000
	Sus. + E4	149	104	0	1	4 OCC	4407	39000
	Max P					HOOB	7048	37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00 143	99	1	-1	96 SUST	4368	39000
	Amb to T1	23	321	0	2881	178 DISP	3060	50082
	Sus. + E1	158	104	0	1	8 OCC	4377	39000
	Sus. + E2	150	105	0	2	5 OCC	4374	39000
	Sus. + E3	157	105	0	1	8 OCC	4377	39000
	Sus. + E4	149	104	0	1	4 OCC	4373	39000
	Max P					HOOB	7048	37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00 97	108	1	-1	80 SUST	4352	39000
	Amb to T1	20	351	0	2881	195 DISP	3076	50098
	Sus. + E1	107	111	0	1	6 OCC	4359	39000
	Sus. + E2	102	112	0	2	3 OCC	4357	39000
	Sus. + E3	107	112	0	1	6 OCC	4359	39000
	Sus. + E4	101	111	0	1	3 OCC	4356	39000
	Max P					HOOB	7048	37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00 97	108	1	-1	80 SUST	4319	39000
	Amb to T1	20	351	0	2988	195 DISP	3183	50131

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	107	111	0	1	6	OCC	4326	39000
	Sus. + E2	102	112	0	2	3	OCC	4324	39000
	Sus. + E3	107	112	0	1	6	OCC	4326	39000
	Sus. + E4	101	111	0	1	3	OCC	4323	39000
	Max P						H00P	7048	37440
+5 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
		56	84	1	-1	56	SUST	4294	39000
	Amb to T1	4	275	0	2988	152	DISP	3140	50156
	Sus. + E1	61	86	0	1	3	OCC	4299	39000
	Sus. + E2	58	87	0	2	2	OCC	4298	39000
	Sus. + E3	61	87	0	1	3	OCC	4299	39000
	Sus. + E4	58	86	0	1	2	OCC	4297	39000
	Max P						H00P	7048	37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
		56	84	1	-1	56	SUST	4263	39000
	Amb to T1	4	275	0	3091	152	DISP	3243	50187
	Sus. + E1	61	86	0	2	3	OCC	4268	39000
	Sus. + E2	58	87	0	2	2	OCC	4266	39000
	Sus. + E3	61	87	0	1	3	OCC	4267	39000
	Sus. + E4	58	86	0	1	2	OCC	4266	39000
	Max P						H00P	7048	37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
		24	59	1	-1	35	SUST	4242	39000
	Amb to T1	8	191	0	3091	106	DISP	3197	50208
	Sus. + E1	26	59	0	2	1	OCC	4245	39000
	Sus. + E2	25	59	0	2	1	OCC	4244	39000
	Sus. + E3	26	59	0	1	1	OCC	4245	39000
	Sus. + E4	25	59	0	1	1	OCC	4244	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+6	+ SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	24	59	1	-1	35	SUST	4212 39000
	Amb to T1	8	191	0	3190	106	DISP	3296 50238
	Sus. + E1	26	59	0	2	1	OCC	4215 39000
	Sus. + E2	25	59	0	2	1	OCC	4214 39000
	Sus. + E3	26	59	0	1	1	OCC	4214 39000
	Sus. + E4	25	59	0	1	1	OCC	4213 39000
	Max P						H00P	7048 37440
+7	- SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	1	49	1	-1	27	SUST	4204 39000
	Amb to T1	3	159	0	3190	88	DISP	3278 50246
	Sus. + E1	1	49	0	2	0	OCC	4205 39000
	Sus. + E2	1	49	0	2	0	OCC	4205 39000
	Sus. + E3	1	49	0	1	0	OCC	4205 39000
	Sus. + E4	1	49	0	1	0	OCC	4205 39000
	Max P						H00P	7048 37440
+7	+ SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	1	49	1	-1	27	SUST	4174 39000
	Amb to T1	3	159	0	3285	88	DISP	3373 50276
	Sus. + E1	1	49	0	2	0	OCC	4176 39000
	Sus. + E2	1	49	0	2	0	OCC	4176 39000
	Sus. + E3	1	49	0	1	0	OCC	4176 39000
	Sus. + E4	1	49	0	1	0	OCC	4176 39000
	Max P						H00P	7048 37440
+8	- SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	21	64	1	-1	37	SUST	4185 39000
	Amb to T1	35	209	0	3285	117	DISP	3403 50265

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	22	65	0	2	1	OCC	4187	39000		
	Sus. + E2	21	65	0	2	0	OCC	4187	39000		
	Sus. + E3	22	65	0	1	1	OCC	4187	39000		
	Sus. + E4	21	65	0	1	0	OCC	4186	39000		
	Max P						H00P	7048	37440		
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		21	64	1	-1	37	SUST	4157	39000
	Amb to T1	35	209	0	3377	117	DISP	3494	50293		
	Sus. + E1	22	65	0	2	1	OCC	4159	39000		
	Sus. + E2	21	65	0	2	0	OCC	4159	39000		
	Sus. + E3	22	65	0	1	1	OCC	4159	39000		
	Sus. + E4	21	65	0	1	0	OCC	4158	39000		
	Max P						H00P	7048	37440		
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		47	106	1	-1	64	SUST	4184	39000
	Amb to T1	119	346	0	3377	203	DISP	3579	50266		
	Sus. + E1	48	106	0	2	1	OCC	4186	39000		
	Sus. + E2	47	107	0	2	0	OCC	4186	39000		
	Sus. + E3	48	107	0	1	1	OCC	4186	39000		
	Sus. + E4	47	106	0	1	0	OCC	4185	39000		
	Max P						H00P	7048	37440		
+9 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		47	106	1	-1	64	SUST	4157	39000
	Amb to T1	119	346	0	3465	203	DISP	3668	50293		
	Sus. + E1	48	106	0	2	1	OCC	4159	39000		
	Sus. + E2	47	107	0	2	0	OCC	4159	39000		
	Sus. + E3	48	107	0	1	1	OCC	4159	39000		
	Sus. + E4	47	106	0	1	0	OCC	4158	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P					HOOB	7048	37440
+10 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	80	166	1	-1	102 SUST	4194	39000
	Amb to T1	257	540	0	3465	331 DISP	3796	50256
	Sus. + E1	81	167	0	2	1 OCC	4197	39000
	Sus. + E2	81	166	0	2	0 OCC	4197	39000
	Sus. + E3	81	166	0	1	1 OCC	4197	39000
	Sus. + E4	81	167	0	1	0 OCC	4196	39000
	Max P					HOOB	7048	37440
+10 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	80	166	1	-1	102 SUST	4169	39000
	Amb to T1	257	540	0	3550	331 DISP	3881	50281
	Sus. + E1	81	167	0	2	1 OCC	4171	39000
	Sus. + E2	81	166	0	2	0 OCC	4171	39000
	Sus. + E3	81	166	0	1	1 OCC	4171	39000
	Sus. + E4	81	167	0	1	0 OCC	4170	39000
	Max P					HOOB	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	117	218	1	-1	137 SUST	4204	39000
	Amb to T1	436	711	0	3550	462 DISP	4012	50246
	Sus. + E1	117	220	0	2	1 OCC	4207	39000
	Sus. + E2	117	220	0	2	1 OCC	4207	39000
	Sus. + E3	118	220	0	1	1 OCC	4206	39000
	Sus. + E4	118	220	0	1	1 OCC	4206	39000
	Max P					HOOB	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	117	218	1	-1	137 SUST	4179	39000
	Amb to T1	436	711	0	3631	462 DISP	4093	50271

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	117	220	0	2	1	OCC	4182 39000
	Sus. + E2	117	220	0	2	1	OCC	4182 39000
	Sus. + E3	118	220	0	2	1	OCC	4181 39000
	Sus. + E4	118	220	0	1	1	OCC	4181 39000
	Max P						H00P	7048 37440
+12 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	143	216	1	-1	143	SUST	4185 39000
	Amb to T1	608	703	0	3631	515	DISP	4146 50265
	Sus. + E1	145	219	0	2	2	OCC	4189 39000
	Sus. + E2	144	219	0	2	2	OCC	4189 39000
	Sus. + E3	144	219	0	2	2	OCC	4188 39000
	Sus. + E4	143	219	0	1	2	OCC	4188 39000
	Max P						H00P	7048 37440
+12 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	143	216	1	-1	143	SUST	4161 39000
	Amb to T1	608	703	0	3709	515	DISP	4224 50289
	Sus. + E1	145	219	0	2	2	OCC	4165 39000
	Sus. + E2	144	219	0	2	2	OCC	4165 39000
	Sus. + E3	144	219	0	2	2	OCC	4164 39000
	Sus. + E4	143	219	0	1	2	OCC	4164 39000
	Max P						H00P	7048 37440
+13 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	127	81	1	-1	83	SUST	4101 39000
	Amb to T1	662	266	0	3709	395	DISP	4104 50349
	Sus. + E1	131	86	0	2	3	OCC	4107 39000
	Sus. + E2	128	86	0	2	3	OCC	4106 39000
	Sus. + E3	130	86	0	2	3	OCC	4106 39000
	Sus. + E4	128	86	0	1	3	OCC	4105 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+13 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	127	81	1	-1	83 SUST	4078 39000
	Amb to T1		662	266	0	3784	395 DISP	4179 50372
	Sus. + E1		131	86	0	2	3 OCC	4084 39000
	Sus. + E2		128	86	0	2	3 OCC	4083 39000
	Sus. + E3		130	86	0	2	3 OCC	4083 39000
	Sus. + E4		128	86	0	1	3 OCC	4082 39000
	Max P						H00P	7048 37440
+14 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	19	286	1	-1	159 SUST	4154 39000
	Amb to T1		407	930	0	3784	562 DISP	4347 50296
	Sus. + E1		26	292	0	2	5 OCC	4161 39000
	Sus. + E2		22	292	0	2	4 OCC	4159 39000
	Sus. + E3		25	292	0	2	5 OCC	4160 39000
	Sus. + E4		21	292	0	1	3 OCC	4159 39000
	Max P						H00P	7048 37440
+14 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	19	286	1	-1	159 SUST	4132 39000
	Amb to T1		407	930	0	3857	562 DISP	4419 50318
	Sus. + E1		26	292	0	2	5 OCC	4139 39000
	Sus. + E2		22	292	0	2	4 OCC	4137 39000
	Sus. + E3		25	292	0	2	5 OCC	4138 39000
	Sus. + E4		21	292	0	1	3 OCC	4137 39000
	Max P						H00P	7048 37440
A02 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	244	990	1	-1	565 SUST	4537 39000
	Amb to T1		425	3221	0	3857	1799 DISP	5656 49913

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress Type		
	Sus. + E1	253	995	0	2	6 OCC	4545	39000
	Sus. + E2	248	996	0	2	4 OCC	4543	39000
	Sus. + E3	253	996	0	2	6 OCC	4545	39000
	Sus. + E4	248	995	0	1	3 OCC	4542	39000
	Max P					H00P	7048	37440
A02 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	251	988	1	-1	565 SUST	4519	39000
	Amb to T1	450	3218	2	3918	1799 DISP	5718	49931
	Sus. + E1	261	993	0	2	6 OCC	4527	39000
	Sus. + E2	256	994	0	2	4 OCC	4525	39000
	Sus. + E3	261	994	0	2	6 OCC	4526	39000
	Sus. + E4	256	993	0	1	3 OCC	4523	39000
	Max P					H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	515	477	1	-1	389 SUST	4342	39000
	Amb to T1	1403	1545	2	3918	1156 DISP	5074	50108
	Sus. + E1	526	480	0	2	7 OCC	4351	39000
	Sus. + E2	520	481	0	2	4 OCC	4349	39000
	Sus. + E3	527	481	0	2	7 OCC	4351	39000
	Sus. + E4	521	480	0	1	4 OCC	4348	39000
	Max P					H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	515	477	1	-1	389 SUST	4326	39000
	Amb to T1	1403	1545	2	3971	1156 DISP	5127	50124
	Sus. + E1	526	480	0	2	7 OCC	4335	39000
	Sus. + E2	520	481	0	2	4 OCC	4333	39000
	Sus. + E3	527	481	0	2	7 OCC	4335	39000
	Sus. + E4	521	480	0	1	4 OCC	4332	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
A03 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	915	163	1	-1	515	SUST	4453 39000
	Amb to T1	2966	519	2	3971	1668	DISP	5639 49997
	Sus. + E1	926	164	0	2	6	OCC	4461 39000
	Sus. + E2	920	163	0	2	3	OCC	4458 39000
	Sus. + E3	929	163	0	2	7	OCC	4462 39000
	Sus. + E4	923	164	0	1	4	OCC	4458 39000
	Max P						H00P	7048 37440
A03 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	915	162	0	-2	515	SUST	4435 39000
	Amb to T1	2966	518	1	4029	1668	DISP	5697 50015
	Sus. + E1	926	163	0	2	6	OCC	4443 39000
	Sus. + E2	920	162	0	2	3	OCC	4440 39000
	Sus. + E3	929	163	0	2	7	OCC	4444 39000
	Sus. + E4	923	164	0	1	4	OCC	4441 39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	76	131	0	-2	84	SUST	4004 39000
	Amb to T1	496	440	1	4029	367	DISP	4397 50446
	Sus. + E1	85	137	0	2	6	OCC	4012 39000
	Sus. + E2	82	137	0	2	4	OCC	4011 39000
	Sus. + E3	85	138	0	2	6	OCC	4012 39000
	Sus. + E4	82	138	0	1	5	OCC	4010 39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	76	131	0	-1	84	SUST	3984 39000
	Amb to T1	496	440	1	4094	367	DISP	4462 50466

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	85	137	0	2	6	OCC	3992	39000
	Sus. + E2	82	137	0	2	4	OCC	3990	39000
	Sus. + E3	85	138	0	2	6	OCC	3992	39000
	Sus. + E4	82	138	0	1	5	OCC	3990	39000
	Max P						H00P	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P		317	220	0	-1	213	SUST	4113	39000
	Amb to T1	749	726	1	4094	578	DISP	4672	50337
	Sus. + E1	320	226	0	2	4	OCC	4119	39000
	Sus. + E2	317	226	0	2	4	OCC	4119	39000
	Sus. + E3	321	227	0	2	5	OCC	4120	39000
	Sus. + E4	318	226	0	1	4	OCC	4118	39000
	Max P						H00P	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P		317	220	0	-1	213	SUST	4094	39000
	Amb to T1	749	726	1	4157	578	DISP	4735	50356
	Sus. + E1	320	226	0	2	4	OCC	4100	39000
	Sus. + E2	317	226	0	2	4	OCC	4100	39000
	Sus. + E3	321	227	0	2	5	OCC	4100	39000
	Sus. + E4	318	226	0	1	4	OCC	4099	39000
	Max P						H00P	7048	37440
+3 - SIFI= 1.00 UNREST GR + Max P		400	198	0	-1	247	SUST	4128	39000
	Amb to T1	1022	654	1	4157	672	DISP	4829	50322
	Sus. + E1	415	203	0	2	9	OCC	4138	39000
	Sus. + E2	407	204	0	2	5	OCC	4135	39000
	Sus. + E3	415	204	0	2	9	OCC	4138	39000
	Sus. + E4	407	204	0	1	5	OCC	4134	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	400	198	0	-1	247	SUST	4109 39000
	Sus. + E1	1022	654	1	4217	672	DISP	4889 50341
	Sus. + E2	415	203	0	2	9	OCC	4120 39000
	Sus. + E3	407	204	0	2	5	OCC	4116 39000
	Sus. + E4	415	204	0	2	9	OCC	4120 39000
	Sus. + E4	407	204	0	2	5	OCC	4115 39000
	Max P						H00P	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	230	136	0	-1	148	SUST	4010 39000
	Sus. + E1	502	448	1	4217	373	DISP	4590 50440
	Sus. + E2	244	139	0	2	8	OCC	4020 39000
	Sus. + E3	237	139	0	2	4	OCC	4016 39000
	Sus. + E4	244	140	0	2	8	OCC	4020 39000
	Sus. + E4	237	139	0	2	4	OCC	4015 39000
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	230	136	0	-1	148	SUST	3992 39000
	Sus. + E1	502	448	1	4275	373	DISP	4648 50458
	Sus. + E2	244	139	0	2	8	OCC	4002 39000
	Sus. + E3	237	139	0	2	4	OCC	3998 39000
	Sus. + E4	244	140	0	2	8	OCC	4002 39000
	Sus. + E4	237	139	0	2	4	OCC	3997 39000
	Max P						H00P	7048 37440
A04 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	163	73	0	-1	99	SUST	3943 39000
	Amb to T1	733	244	1	4275	428	DISP	4703 50507

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	174	75	0	2	6	OCC	3951	39000
	Sus. + E2	169	75	0	2	3	OCC	3948	39000
	Sus. + E3	173	76	0	2	6	OCC	3950	39000
	Sus. + E4	168	75	0	2	3	OCC	3947	39000
	Max P						H00P	7048	37440
A04 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	163	73	1	-1	99	SUST	3925	39000
	Amb to T1	733	244	1	4331	428	DISP	4759	50525
	Sus. + E1	174	75	0	2	6	OCC	3933	39000
	Sus. + E2	169	75	0	2	3	OCC	3931	39000
	Sus. + E3	173	75	0	2	6	OCC	3933	39000
	Sus. + E4	168	75	0	2	3	OCC	3930	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	145	33	1	-1	82	SUST	3909	39000
	Amb to T1	298	111	1	4331	176	DISP	4507	50541
	Sus. + E1	150	33	0	2	3	OCC	3914	39000
	Sus. + E2	148	33	0	2	2	OCC	3912	39000
	Sus. + E3	150	34	0	2	3	OCC	3914	39000
	Sus. + E4	148	33	0	2	2	OCC	3912	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	145	33	1	-1	82	SUST	3892	39000
	Amb to T1	298	111	1	4385	176	DISP	4561	50558
	Sus. + E1	150	33	0	2	3	OCC	3897	39000
	Sus. + E2	148	33	0	2	2	OCC	3896	39000
	Sus. + E3	150	34	0	2	3	OCC	3897	39000
	Sus. + E4	148	33	0	2	2	OCC	3895	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	258	22	1	-1	143	SUST	3953 39000
	Amb to T1	726	75	1	4385	404	DISP	4789 50497
	Sus. + E1	260	22	0	2	1	OCC	3956 39000
	Sus. + E2	258	22	0	2	0	OCC	3956 39000
	Sus. + E3	260	22	0	2	1	OCC	3956 39000
	Sus. + E4	259	22	0	2	1	OCC	3955 39000
	Max P						H00P	7048 37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	258	22	1	-1	143	SUST	3937 39000
	Amb to T1	726	75	1	4437	404	DISP	4841 50513
	Sus. + E1	260	22	0	2	1	OCC	3940 39000
	Sus. + E2	258	22	0	2	0	OCC	3940 39000
	Sus. + E3	260	22	0	2	1	OCC	3940 39000
	Sus. + E4	259	22	0	2	1	OCC	3939 39000
	Max P						H00P	7048 37440
+3 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	191	44	1	-1	108	SUST	3902 39000
	Amb to T1	595	146	1	4437	340	DISP	4776 50548
	Sus. + E1	191	44	0	2	0	OCC	3904 39000
	Sus. + E2	191	44	0	2	0	OCC	3905 39000
	Sus. + E3	191	44	0	2	0	OCC	3904 39000
	Sus. + E4	191	44	0	2	0	OCC	3904 39000
	Max P						H00P	7048 37440
+3 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	191	44	1	0	108	SUST	3887 39000
	Amb to T1	595	146	1	4487	340	DISP	4826 50563

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	191	44	0	2	0	OCC	3889	39000
	Sus. + E2	191	44	0	2	0	OCC	3889	39000
	Sus. + E3	191	44	0	2	0	OCC	3889	39000
	Sus. + E4	191	44	0	2	0	OCC	3888	39000
	Max P						H00P	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P		80	95	1	0	69	SUST	3847	39000
	Amb to T1	164	314	1	4487	196	DISP	4683	50603
	Sus. + E1	81	96	0	2	0	OCC	3850	39000
	Sus. + E2	81	96	0	2	0	OCC	3850	39000
	Sus. + E3	81	96	0	2	0	OCC	3850	39000
	Sus. + E4	81	96	0	2	0	OCC	3849	39000
	Max P						H00P	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P		80	95	1	0	69	SUST	3832	39000
	Amb to T1	164	314	1	4535	196	DISP	4731	50618
	Sus. + E1	81	96	0	2	0	OCC	3835	39000
	Sus. + E2	81	96	0	2	0	OCC	3835	39000
	Sus. + E3	81	96	0	2	0	OCC	3835	39000
	Sus. + E4	81	96	0	2	0	OCC	3834	39000
	Max P						H00P	7048	37440
A05 - SIFI= 1.00 UNREST GR + Max P		555	167	1	0	321	SUST	4084	39000
	Amb to T1	1657	547	1	4535	966	DISP	5501	50366
	Sus. + E1	555	167	0	2	0	OCC	4087	39000
	Sus. + E2	556	167	0	2	0	OCC	4087	39000
	Sus. + E3	557	167	0	2	1	OCC	4087	39000
	Sus. + E4	556	167	0	2	1	OCC	4086	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
A05 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	555	166	2	0	321	SUST	4070	39000
	Amb to T1	1657	546	4	4582	966	DISP	5548	50380
	Sus. + E1	555	167	0	2	0	OCC	4072	39000
	Sus. + E2	556	167	0	2	0	OCC	4072	39000
	Sus. + E3	557	167	0	2	1	OCC	4073	39000
	Sus. + E4	556	167	0	2	1	OCC	4072	39000
	Max P						HOOB	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	77	235	2	0	137	SUST	3886	39000
	Amb to T1	185	769	4	4582	438	DISP	5020	50564
	Sus. + E1	77	236	0	2	1	OCC	3888	39000
	Sus. + E2	77	236	0	2	0	OCC	3888	39000
	Sus. + E3	78	235	0	2	0	OCC	3888	39000
	Sus. + E4	77	236	0	2	0	OCC	3888	39000
	Max P						HOOB	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	77	235	2	0	137	SUST	3871	39000
	Amb to T1	185	769	4	4628	438	DISP	5066	50579
	Sus. + E1	77	236	0	2	1	OCC	3874	39000
	Sus. + E2	77	236	0	2	0	OCC	3874	39000
	Sus. + E3	78	235	0	2	0	OCC	3874	39000
	Sus. + E4	77	236	0	2	0	OCC	3873	39000
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	169	243	2	0	164	SUST	3898	39000
	Amb to T1	530	793	4	4628	528	DISP	5156	50552

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	170	243	0	2	1	OCC	3901 39000
	Sus. + E2	170	243	0	2	0	OCC	3901 39000
	Sus. + E3	169	243	0	2	0	OCC	3900 39000
	Sus. + E4	169	243	0	2	0	OCC	3900 39000
	Max P						H00P	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		169	243	2	0	164 SUST 3885 39000
	Amb to T1	530	793	4	4672	528	DISP	5201 50565
	Sus. + E1	170	243	0	2	1	OCC	3887 39000
	Sus. + E2	170	243	0	2	0	OCC	3887 39000
	Sus. + E3	169	243	0	2	0	OCC	3887 39000
	Sus. + E4	169	243	0	2	0	OCC	3887 39000
	Max P						H00P	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		217	98	2	0	132 SUST 3853 39000
	Amb to T1	647	322	4	4672	400	DISP	5073 50597
	Sus. + E1	217	99	0	2	0	OCC	3855 39000
	Sus. + E2	218	98	0	2	0	OCC	3855 39000
	Sus. + E3	218	98	0	2	0	OCC	3855 39000
	Sus. + E4	217	99	0	2	0	OCC	3855 39000
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		217	98	2	0	132 SUST 3840 39000
	Amb to T1	647	322	4	4715	400	DISP	5115 50610
	Sus. + E1	217	99	0	2	0	OCC	3842 39000
	Sus. + E2	218	98	0	2	0	OCC	3842 39000
	Sus. + E3	218	98	0	2	0	OCC	3842 39000
	Sus. + E4	217	99	0	2	0	OCC	3842 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	109	321	2	0	188 SUST	3895 39000
	Amb to T1		276	1042	4	4715	597 DISP	5312 50555
	Sus. + E1		110	321	0	2	0 OCC	3897 39000
	Sus. + E2		109	321	0	2	0 OCC	3898 39000
	Sus. + E3		110	322	0	2	1 OCC	3898 39000
	Sus. + E4		110	321	0	2	0 OCC	3897 39000
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	109	321	2	0	188 SUST	3883 39000
	Amb to T1		276	1042	4	4756	597 DISP	5353 50567
	Sus. + E1		110	321	0	2	0 OCC	3885 39000
	Sus. + E2		109	321	0	2	0 OCC	3885 39000
	Sus. + E3		110	322	0	2	1 OCC	3885 39000
	Sus. + E4		110	321	0	2	0 OCC	3884 39000
	Max P						H00P	7048 37440
A06 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	153	1138	2	0	636 SUST	4331 39000
	Amb to T1		594	3705	4	4756	2078 DISP	6834 50119
	Sus. + E1		154	1140	0	2	1 OCC	4334 39000
	Sus. + E2		153	1140	0	2	1 OCC	4334 39000
	Sus. + E3		153	1140	0	2	1 OCC	4334 39000
	Sus. + E4		153	1140	0	2	1 OCC	4333 39000
	Max P						H00P	7048 37440
A06 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	157	1138	1	0	636 SUST	4319 39000
	Amb to T1		610	3703	3	4795	2078 DISP	6873 50131

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	158	1139	0	2	1	OCC	4322 39000
	Sus. + E2	158	1140	0	2	1	OCC	4322 39000
	Sus. + E3	157	1140	0	2	1	OCC	4322 39000
	Sus. + E4	157	1139	0	2	1	OCC	4321 39000
	Max P						H00P	7048 37440
+1 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	113	368	1	0	213 SUST	3896 39000
	Amb to T1		261	1196	3	4795	678 DISP	5473 50554
	Sus. + E1		113	369	0	2	0 OCC	3898 39000
	Sus. + E2		113	368	0	2	0 OCC	3898 39000
	Sus. + E3		113	368	0	2	0 OCC	3898 39000
	Sus. + E4		113	369	0	2	0 OCC	3898 39000
	Max P						H00P	7048 37440
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	113	368	1	0	213 SUST	3884 39000
	Amb to T1		261	1196	3	4833	678 DISP	5511 50566
	Sus. + E1		113	369	0	2	0 OCC	3887 39000
	Sus. + E2		113	368	0	2	0 OCC	3887 39000
	Sus. + E3		113	368	0	2	0 OCC	3887 39000
	Sus. + E4		113	369	0	2	0 OCC	3886 39000
	Max P						H00P	7048 37440
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	228	49	1	0	129 SUST	3800 39000
	Amb to T1		649	163	3	4833	371 DISP	5203 50650
	Sus. + E1		228	50	0	2	0 OCC	3802 39000
	Sus. + E2		228	50	0	2	0 OCC	3803 39000
	Sus. + E3		229	50	0	2	0 OCC	3803 39000
	Sus. + E4		228	50	0	2	0 OCC	3802 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						HOOB	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	228	49	1	0	129 SUST	3789 39000
	Amb to T1		649	163	3	4869	371 DISP	5240 50661
	Sus. + E1		228	50	0	2	0 OCC	3791 39000
	Sus. + E2		228	50	0	2	0 OCC	3792 39000
	Sus. + E3		229	50	0	2	0 OCC	3792 39000
	Sus. + E4		228	50	0	2	0 OCC	3791 39000
	Max P						HOOB	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	168	214	1	0	151 SUST	3811 39000
	Amb to T1		522	701	3	4869	484 DISP	5353 50639
	Sus. + E1		168	214	0	2	0 OCC	3813 39000
	Sus. + E2		168	215	0	2	0 OCC	3813 39000
	Sus. + E3		168	215	0	2	0 OCC	3813 39000
	Sus. + E4		168	215	0	2	0 OCC	3812 39000
	Max P						HOOB	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	168	214	1	0	151 SUST	3800 39000
	Amb to T1		522	701	3	4904	484 DISP	5388 50650
	Sus. + E1		168	214	0	2	0 OCC	3802 39000
	Sus. + E2		168	215	0	2	0 OCC	3803 39000
	Sus. + E3		168	215	0	2	0 OCC	3802 39000
	Sus. + E4		168	215	0	2	0 OCC	3802 39000
	Max P						HOOB	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	104	231	1	0	141 SUST	3790 39000
	Amb to T1		228	757	3	4904	438 DISP	5342 50660

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	104	232	0	2	0	OCC	3792 39000
	Sus. + E2	104	232	0	2	0	OCC	3792 39000
	Sus. + E3	104	232	0	2	0	OCC	3792 39000
	Sus. + E4	104	232	0	2	0	OCC	3791 39000
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
		104	231	1	1	141	SUST	3779 39000
	Amb to T1	228	757	3	4938	438	DISP	5376 50671
	Sus. + E1	104	232	0	2	0	OCC	3781 39000
	Sus. + E2	104	232	0	2	0	OCC	3782 39000
	Sus. + E3	104	232	0	2	0	OCC	3782 39000
	Sus. + E4	104	232	0	2	0	OCC	3781 39000
	Max P						H00P	7048 37440
A07 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
		584	183	1	1	339	SUST	3977 39000
	Amb to T1	1716	599	3	4938	1007	DISP	5944 50473
	Sus. + E1	585	183	0	2	0	OCC	3980 39000
	Sus. + E2	585	183	0	2	1	OCC	3980 39000
	Sus. + E3	585	183	0	2	0	OCC	3980 39000
	Sus. + E4	585	183	0	2	0	OCC	3979 39000
	Max P						H00P	7048 37440
A07 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
		584	183	0	1	339	SUST	3967 39000
	Amb to T1	1716	599	1	4971	1007	DISP	5977 50483
	Sus. + E1	585	183	0	2	0	OCC	3969 39000
	Sus. + E2	585	183	0	2	1	OCC	3970 39000
	Sus. + E3	585	183	0	2	0	OCC	3970 39000
	Sus. + E4	585	183	0	2	0	OCC	3969 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+1 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	76	122	0	1	80	SUST	3708	39000
	Sus. + E1	128	402	1	4971	234	DISP	5205	50742
	Sus. + E2	76	123	0	2	0	OCC	3710	39000
	Sus. + E3	76	123	0	2	0	OCC	3711	39000
	Sus. + E4	76	123	0	2	0	OCC	3711	39000
	Max P	76	122	0	2	0	OCC	3710	39000
	Max P						HOOB	7048	37440
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	76	122	0	1	80	SUST	3698	39000
	Sus. + E1	128	402	1	5004	234	DISP	5237	50752
	Sus. + E2	76	123	0	2	0	OCC	3700	39000
	Sus. + E3	76	123	0	2	0	OCC	3701	39000
	Sus. + E4	76	123	0	2	0	OCC	3700	39000
	Max P	76	122	0	2	0	OCC	3700	39000
	Max P						HOOB	7048	37440
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	201	85	0	1	121	SUST	3739	39000
	Sus. + E1	660	278	1	5004	397	DISP	5400	50711
	Sus. + E2	201	85	0	2	0	OCC	3741	39000
	Sus. + E3	201	85	0	2	0	OCC	3741	39000
	Sus. + E4	201	85	0	2	0	OCC	3741	39000
	Max P	201	85	0	2	0	OCC	3741	39000
	Max P						HOOB	7048	37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	201	85	0	1	121	SUST	3729	39000
	Sus. + E1	660	278	1	5035	397	DISP	5432	50721

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	201	85	0	2	0	OCC	3731	39000
	Sus. + E2	201	85	0	2	0	OCC	3732	39000
	Sus. + E3	201	85	0	2	0	OCC	3731	39000
	Sus. + E4	201	85	0	2	0	OCC	3731	39000
	Max P						H00P	7048	37440
+3 - SIFI= 1.00 UNREST GR + Max P		234	84	0	1	137	SUST	3746	39000
	Amb to T1	722	276	1	5035	428	DISP	5463	50704
	Sus. + E1	234	84	0	2	0	OCC	3748	39000
	Sus. + E2	234	84	0	2	0	OCC	3749	39000
	Sus. + E3	234	84	0	2	0	OCC	3748	39000
	Sus. + E4	234	84	0	2	0	OCC	3748	39000
	Max P						H00P	7048	37440
+3 + SIFI= 1.00 UNREST GR + Max P		234	84	0	1	137	SUST	3737	39000
	Amb to T1	722	276	1	5065	428	DISP	5493	50713
	Sus. + E1	234	84	0	2	0	OCC	3739	39000
	Sus. + E2	234	84	0	2	0	OCC	3739	39000
	Sus. + E3	234	84	0	2	0	OCC	3739	39000
	Sus. + E4	234	84	0	2	0	OCC	3738	39000
	Max P						H00P	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P		24	122	0	1	69	SUST	3668	39000
	Amb to T1	77	401	1	5065	226	DISP	5291	50782
	Sus. + E1	25	123	0	2	0	OCC	3670	39000
	Sus. + E2	25	122	0	2	0	OCC	3671	39000
	Sus. + E3	25	122	0	2	0	OCC	3671	39000
	Sus. + E4	24	122	0	2	0	OCC	3670	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	24	122	0	1	69 SUST	3659 39000
	Amb to T1		77	401	1	5094	226 DISP	5320 50791
	Sus. + E1		25	123	0	2	0 OCC	3661 39000
	Sus. + E2		25	122	0	2	0 OCC	3662 39000
	Sus. + E3		25	122	0	2	0 OCC	3662 39000
	Sus. + E4		24	122	0	2	0 OCC	3661 39000
	Max P						H00P	7048 37440
A08 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	410	186	0	1	249 SUST	3840 39000
	Amb to T1		1314	609	1	5094	802 DISP	5896 50610
	Sus. + E1		410	187	0	2	0 OCC	3842 39000
	Sus. + E2		411	187	0	2	0 OCC	3842 39000
	Sus. + E3		411	186	0	2	0 OCC	3842 39000
	Sus. + E4		410	187	0	2	0 OCC	3842 39000
	Max P						H00P	7048 37440
A08 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	410	186	2	1	249 SUST	3831 39000
	Amb to T1		1314	609	4	5122	802 DISP	5924 50619
	Sus. + E1		410	187	0	2	0 OCC	3833 39000
	Sus. + E2		411	186	0	2	0 OCC	3834 39000
	Sus. + E3		411	186	0	2	0 OCC	3834 39000
	Sus. + E4		410	186	0	2	0 OCC	3833 39000
	Max P						H00P	7048 37440
+1 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	30	247	2	1	138 SUST	3719 39000
	Amb to T1		61	806	4	5122	448 DISP	5570 50731

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	30	248	0	2	0	OCC	3721	39000		
	Sus. + E2	30	247	0	2	0	OCC	3722	39000		
	Sus. + E3	30	247	0	2	0	OCC	3722	39000		
	Sus. + E4	30	247	0	2	0	OCC	3721	39000		
	Max P						H00P	7048	37440		
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		30	247	2	1	138	SUST	3711	39000
	Amb to T1	61	806	4	5149	448	DISP	5597	50739		
	Sus. + E1	30	248	0	2	0	OCC	3713	39000		
	Sus. + E2	30	247	0	2	0	OCC	3714	39000		
	Sus. + E3	30	247	0	2	0	OCC	3713	39000		
	Sus. + E4	30	247	0	2	0	OCC	3713	39000		
	Max P						H00P	7048	37440		
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		250	243	2	1	193	SUST	3766	39000
	Amb to T1	716	793	4	5149	591	DISP	5740	50684		
	Sus. + E1	250	244	0	2	0	OCC	3769	39000		
	Sus. + E2	250	243	0	2	0	OCC	3769	39000		
	Sus. + E3	251	243	0	2	0	OCC	3769	39000		
	Sus. + E4	250	243	0	2	0	OCC	3768	39000		
	Max P						H00P	7048	37440		
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		250	243	2	1	193	SUST	3758	39000
	Amb to T1	716	793	4	5174	591	DISP	5766	50692		
	Sus. + E1	250	244	0	2	0	OCC	3761	39000		
	Sus. + E2	250	243	0	2	0	OCC	3761	39000		
	Sus. + E3	251	243	0	2	0	OCC	3761	39000		
	Sus. + E4	250	243	0	2	0	OCC	3760	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	240	82	2	1	141	SUST	3706	39000
	Sus. + E1	703	269	4	5174	417	DISP	5591	50744
	Sus. + E2	240	83	0	2	0	OCC	3708	39000
	Sus. + E3	241	82	0	2	0	OCC	3709	39000
	Sus. + E4	241	82	0	2	0	OCC	3709	39000
	Max P						HOOB	7048	37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	240	82	2	1	141	SUST	3698	39000
	Sus. + E1	703	269	4	5199	417	DISP	5616	50752
	Sus. + E2	240	83	0	2	0	OCC	3700	39000
	Sus. + E3	241	82	0	2	0	OCC	3701	39000
	Sus. + E4	241	82	0	2	0	OCC	3701	39000
	Max P						HOOB	7048	37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	1	356	2	1	197	SUST	3755	39000
	Sus. + E1	13	1156	4	5199	640	DISP	5839	50695
	Sus. + E2	1	356	0	2	0	OCC	3757	39000
	Sus. + E3	1	357	0	2	0	OCC	3758	39000
	Sus. + E4	1	357	0	2	1	OCC	3758	39000
	Max P	1	356	0	2	0	OCC	3757	39000
	Max P						HOOB	7048	37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	1	356	2	1	197	SUST	3747	39000
	Sus. + E1	13	1156	4	5223	640	DISP	5863	50703

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	1	356	0	2	0	OCC	3750	39000
	Sus. + E2	1	357	0	3	0	OCC	3750	39000
	Sus. + E3	1	357	0	3	1	OCC	3751	39000
	Sus. + E4	1	356	0	2	0	OCC	3749	39000
	Max P						H00P	7048	37440
A09 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	458	1190	2	1	706	SUST	4257	39000
	Amb to T1	1420	3871	4	5223	2283	DISP	7506	50193
	Sus. + E1	458	1191	0	2	1	OCC	4259	39000
	Sus. + E2	458	1192	0	3	1	OCC	4260	39000
	Sus. + E3	458	1192	0	3	1	OCC	4260	39000
	Sus. + E4	458	1192	0	2	1	OCC	4259	39000
	Max P						H00P	7048	37440
A09 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	459	1190	0	1	706	SUST	4249	39000
	Amb to T1	1426	3868	3	5247	2283	DISP	7530	50201
	Sus. + E1	460	1191	0	2	1	OCC	4252	39000
	Sus. + E2	460	1191	0	3	1	OCC	4253	39000
	Sus. + E3	460	1192	0	3	1	OCC	4253	39000
	Sus. + E4	460	1191	0	2	1	OCC	4252	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	353	0	1	196	SUST	3739	39000
	Amb to T1	13	1147	3	5247	635	DISP	5882	50711
	Sus. + E1	5	354	0	2	0	OCC	3741	39000
	Sus. + E2	5	353	0	3	0	OCC	3741	39000
	Sus. + E3	5	354	0	3	0	OCC	3741	39000
	Sus. + E4	4	354	0	2	0	OCC	3741	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	4	353	0	1	196 SUST	3731	39000
	Amb to T1		13	1147	3	5271	635 DISP	5906	50719
	Sus. + E1		5	354	0	2	0 OCC	3733	39000
	Sus. + E2		5	353	0	3	0 OCC	3734	39000
	Sus. + E3		5	354	0	3	0 OCC	3734	39000
	Sus. + E4		4	354	0	2	0 OCC	3733	39000
	Max P						HOOB	7048	37440
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	225	85	0	1	133 SUST	3669	39000
	Amb to T1		700	281	3	5271	418 DISP	5689	50781
	Sus. + E1		225	86	0	2	0 OCC	3671	39000
	Sus. + E2		225	86	0	3	0 OCC	3671	39000
	Sus. + E3		226	86	0	3	0 OCC	3671	39000
	Sus. + E4		225	86	0	2	0 OCC	3671	39000
	Max P						HOOB	7048	37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	225	85	0	1	133 SUST	3661	39000
	Amb to T1		700	281	3	5295	418 DISP	5712	50789
	Sus. + E1		225	86	0	2	0 OCC	3663	39000
	Sus. + E2		225	86	0	3	0 OCC	3664	39000
	Sus. + E3		226	86	0	3	0 OCC	3664	39000
	Sus. + E4		225	86	0	2	0 OCC	3663	39000
	Max P						HOOB	7048	37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	215	240	0	1	178 SUST	3706	39000
	Amb to T1		681	784	3	5295	575 DISP	5870	50744

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	215	240	0	2	0	OCC	3708	39000		
	Sus. + E2	215	241	0	3	0	OCC	3709	39000		
	Sus. + E3	215	241	0	3	0	OCC	3709	39000		
	Sus. + E4	215	240	0	2	0	OCC	3708	39000		
	Max P						H00P	7048	37440		
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		215	240	0	1	178	SUST	3699	39000
	Amb to T1	681	784	3	5317	575	DISP	5893	50751		
	Sus. + E1	215	240	0	2	0	OCC	3701	39000		
	Sus. + E2	215	241	0	3	0	OCC	3702	39000		
	Sus. + E3	215	241	0	3	0	OCC	3702	39000		
	Sus. + E4	215	240	0	2	0	OCC	3701	39000		
	Max P						H00P	7048	37440		
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		35	225	0	1	126	SUST	3647	39000
	Amb to T1	47	735	3	5317	408	DISP	5725	50803		
	Sus. + E1	35	225	0	2	0	OCC	3649	39000		
	Sus. + E2	35	226	0	3	0	OCC	3650	39000		
	Sus. + E3	35	225	0	3	0	OCC	3650	39000		
	Sus. + E4	35	225	0	2	0	OCC	3649	39000		
	Max P						H00P	7048	37440		
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		35	225	0	1	126	SUST	3640	39000
	Amb to T1	47	735	3	5339	408	DISP	5747	50810		
	Sus. + E1	35	225	0	2	0	OCC	3642	39000		
	Sus. + E2	35	226	0	3	0	OCC	3643	39000		
	Sus. + E3	35	225	0	3	0	OCC	3643	39000		
	Sus. + E4	35	225	0	2	0	OCC	3642	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
A10 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	509	126	0	1	291	SUST	3805 39000
	Amb to T1	1535	414	3	5339	881	DISP	6219 50645
	Sus. + E1	510	126	0	2	0	OCC	3807 39000
	Sus. + E2	510	127	0	3	0	OCC	3808 39000
	Sus. + E3	510	126	0	3	1	OCC	3808 39000
	Sus. + E4	510	126	0	2	0	OCC	3807 39000
	Max P						H00P	7048 37440
A10 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	509	126	1	1	291	SUST	3798 39000
	Amb to T1	1535	414	1	5360	881	DISP	6240 50652
	Sus. + E1	510	126	0	2	0	OCC	3800 39000
	Sus. + E2	510	127	0	3	0	OCC	3801 39000
	Sus. + E3	510	126	0	3	1	OCC	3802 39000
	Sus. + E4	510	126	0	2	0	OCC	3801 39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	73	105	1	1	71	SUST	3579 39000
	Amb to T1	158	343	1	5360	209	DISP	5569 50871
	Sus. + E1	74	105	0	2	0	OCC	3581 39000
	Sus. + E2	74	105	0	3	0	OCC	3582 39000
	Sus. + E3	74	105	0	3	1	OCC	3582 39000
	Sus. + E4	74	105	0	2	0	OCC	3581 39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	73	105	1	1	71	SUST	3572 39000
	Amb to T1	158	343	1	5380	209	DISP	5589 50878

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	74	105	0	2	0	OCC	3575	39000
	Sus. + E2	74	105	0	3	0	OCC	3575	39000
	Sus. + E3	74	105	0	3	1	OCC	3575	39000
	Sus. + E4	74	105	0	2	0	OCC	3575	39000
	Max P						H00P	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P		142	92	1	1	94	SUST	3595	39000
	Amb to T1	487	301	1	5380	317	DISP	5697	50855
	Sus. + E1	144	92	0	2	1	OCC	3598	39000
	Sus. + E2	144	92	0	3	1	OCC	3599	39000
	Sus. + E3	144	92	0	3	1	OCC	3599	39000
	Sus. + E4	144	92	0	2	1	OCC	3598	39000
	Max P						H00P	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P		142	92	1	1	94	SUST	3589	39000
	Amb to T1	487	301	1	5399	317	DISP	5717	50861
	Sus. + E1	144	92	0	2	1	OCC	3592	39000
	Sus. + E2	144	92	0	3	1	OCC	3593	39000
	Sus. + E3	144	92	0	3	1	OCC	3593	39000
	Sus. + E4	144	92	0	2	1	OCC	3592	39000
	Max P						H00P	7048	37440
+3 - SIFI= 1.00 UNREST GR + Max P		157	107	1	1	105	SUST	3601	39000
	Amb to T1	544	350	1	5399	358	DISP	5758	50849
	Sus. + E1	159	107	0	2	1	OCC	3604	39000
	Sus. + E2	159	107	0	3	1	OCC	3605	39000
	Sus. + E3	159	107	0	3	1	OCC	3604	39000
	Sus. + E4	159	107	0	2	1	OCC	3603	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	157	107	1	1	105 SUST	3595 39000
	Amb to T1		544	350	1	5418	358 DISP	5776 50855
	Sus. + E1		159	107	0	2	1 OCC	3598 39000
	Sus. + E2		159	107	0	3	1 OCC	3599 39000
	Sus. + E3		159	107	0	3	1 OCC	3599 39000
	Sus. + E4		159	107	0	2	1 OCC	3598 39000
	Max P						H00P	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	28	154	1	1	87 SUST	3577 39000
	Amb to T1		128	503	1	5418	288 DISP	5706 50873
	Sus. + E1		30	154	0	2	1 OCC	3579 39000
	Sus. + E2		30	154	0	3	1 OCC	3580 39000
	Sus. + E3		30	154	0	3	1 OCC	3580 39000
	Sus. + E4		30	154	0	2	1 OCC	3579 39000
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	28	154	1	1	87 SUST	3571 39000
	Amb to T1		128	503	1	5436	288 DISP	5723 50879
	Sus. + E1		30	154	0	2	1 OCC	3574 39000
	Sus. + E2		30	154	0	3	1 OCC	3575 39000
	Sus. + E3		30	154	0	3	1 OCC	3575 39000
	Sus. + E4		30	154	0	2	1 OCC	3574 39000
	Max P						H00P	7048 37440
A11 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	215	221	1	1	171 SUST	3655 39000
	Amb to T1		733	719	1	5436	569 DISP	6005 50795

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	215	221	0	2	0	OCC	3657	39000
	Sus. + E2	215	221	0	3	0	OCC	3658	39000
	Sus. + E3	215	221	0	3	0	OCC	3658	39000
	Sus. + E4	215	221	0	2	0	OCC	3657	39000
	Max P						H00P	7048	37440
A11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	215	221	1	1	171	SUST	3650	39000
	Amb to T1	733	719	3	5452	569	DISP	6021	50800
	Sus. + E1	215	221	0	2	0	OCC	3652	39000
	Sus. + E2	215	221	0	3	0	OCC	3653	39000
	Sus. + E3	215	221	0	3	0	OCC	3653	39000
	Sus. + E4	215	221	0	2	0	OCC	3652	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	270	1	1	149	SUST	3629	39000
	Amb to T1	116	878	3	5452	491	DISP	5943	50821
	Sus. + E1	6	270	0	2	1	OCC	3631	39000
	Sus. + E2	6	270	0	3	1	OCC	3632	39000
	Sus. + E3	6	270	0	3	1	OCC	3632	39000
	Sus. + E4	6	270	0	2	1	OCC	3631	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	270	1	1	149	SUST	3624	39000
	Amb to T1	116	878	3	5468	491	DISP	5959	50826
	Sus. + E1	6	270	0	2	1	OCC	3627	39000
	Sus. + E2	6	270	0	3	1	OCC	3627	39000
	Sus. + E3	6	270	0	3	1	OCC	3627	39000
	Sus. + E4	6	270	0	2	1	OCC	3626	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	80	245	1	1	143	SUST	3617	39000
	Amb to T1	157	799	3	5468	451	DISP	5919	50833
	Sus. + E1	82	246	0	2	1	OCC	3620	39000
	Sus. + E2	82	245	0	3	1	OCC	3621	39000
	Sus. + E3	82	245	0	3	1	OCC	3621	39000
	Sus. + E4	82	246	0	2	1	OCC	3620	39000
	Max P						HOOB	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	80	245	1	1	143	SUST	3613	39000
	Amb to T1	157	799	3	5483	451	DISP	5934	50837
	Sus. + E1	82	246	0	2	1	OCC	3616	39000
	Sus. + E2	82	245	0	3	1	OCC	3616	39000
	Sus. + E3	82	245	0	3	1	OCC	3616	39000
	Sus. + E4	82	246	0	2	1	OCC	3616	39000
	Max P						HOOB	7048	37440
+3 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	91	59	1	1	60	SUST	3530	39000
	Amb to T1	224	192	3	5483	163	DISP	5646	50920
	Sus. + E1	93	59	0	2	1	OCC	3533	39000
	Sus. + E2	93	59	0	3	1	OCC	3533	39000
	Sus. + E3	93	59	0	3	1	OCC	3534	39000
	Sus. + E4	93	59	0	2	1	OCC	3533	39000
	Max P						HOOB	7048	37440
+3 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	91	59	1	1	60	SUST	3526	39000
	Amb to T1	224	192	3	5497	163	DISP	5660	50924

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	93	59	0	2	1	OCC	3528	39000
	Sus. + E2	93	59	0	3	1	OCC	3529	39000
	Sus. + E3	93	59	0	3	1	OCC	3529	39000
	Sus. + E4	93	59	0	2	1	OCC	3528	39000
	Max P						H00P	7048	37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	74	403	1	1	227	SUST	3692	39000
	Sus. + E1	198	1310	3	5497	734	DISP	6231	50758
	Sus. + E2	75	403	0	2	1	OCC	3695	39000
	Sus. + E3	75	404	0	3	1	OCC	3696	39000
	Sus. + E4	75	404	0	3	1	OCC	3696	39000
	Sus. + E4	75	403	0	2	1	OCC	3695	39000
	Max P						H00P	7048	37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	74	403	1	1	227	SUST	3688	39000
	Sus. + E1	198	1310	3	5511	734	DISP	6244	50762
	Sus. + E2	75	403	0	2	1	OCC	3690	39000
	Sus. + E3	75	404	0	3	1	OCC	3691	39000
	Sus. + E4	75	404	0	3	1	OCC	3692	39000
	Sus. + E4	75	403	0	2	1	OCC	3690	39000
	Max P						H00P	7048	37440
A12 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1	54	1249	1	1	693	SUST	4154	39000
	Sus. + E1	155	4064	3	5511	2253	DISP	7763	50296
	Sus. + E2	55	1250	0	2	1	OCC	4156	39000
	Sus. + E3	55	1251	0	3	1	OCC	4158	39000
	Sus. + E4	55	1251	0	3	1	OCC	4158	39000
	Sus. + E4	55	1250	0	2	1	OCC	4156	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
A12 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	54	1249	1	1	693 SUST	4149	39000
	Amb to T1	156	4064	1	5526	2253 DISP	7778	50301
	Sus. + E1	55	1250	0	2	1 OCC	4152	39000
	Sus. + E2	55	1251	0	3	1 OCC	4153	39000
	Sus. + E3	55	1251	0	3	1 OCC	4153	39000
	Sus. + E4	55	1250	0	2	1 OCC	4152	39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	21	330	1	1	183 SUST	3640	39000
	Amb to T1	63	1073	1	5526	596 DISP	6121	50810
	Sus. + E1	22	331	0	2	0 OCC	3642	39000
	Sus. + E2	21	330	0	3	0 OCC	3643	39000
	Sus. + E3	21	330	0	3	0 OCC	3643	39000
	Sus. + E4	21	331	0	2	0 OCC	3642	39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	21	330	1	1	183 SUST	3635	39000
	Amb to T1	63	1073	1	5542	596 DISP	6137	50815
	Sus. + E1	22	331	0	2	0 OCC	3637	39000
	Sus. + E2	21	330	0	3	0 OCC	3638	39000
	Sus. + E3	21	330	0	3	0 OCC	3638	39000
	Sus. + E4	21	331	0	2	0 OCC	3637	39000
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	123	1	1	68 SUST	3519	39000
	Amb to T1	10	399	1	5542	221 DISP	5763	50931

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	3	123	0	2	0	OCC	3521	39000		
	Sus. + E2	2	123	0	3	0	OCC	3522	39000		
	Sus. + E3	2	123	0	3	0	OCC	3522	39000		
	Sus. + E4	2	123	0	2	0	OCC	3521	39000		
	Max P						H00P	7048	37440		
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		2	123	1	1	68	SUST	3515	39000
	Amb to T1	10	399	1	5557	221	DISP	5778	50935		
	Sus. + E1	3	123	0	2	0	OCC	3517	39000		
	Sus. + E2	2	123	0	3	0	OCC	3518	39000		
	Sus. + E3	2	123	0	3	0	OCC	3518	39000		
	Sus. + E4	2	123	0	2	0	OCC	3517	39000		
	Max P						H00P	7048	37440		
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		5	263	1	1	146	SUST	3593	39000
	Amb to T1	12	856	1	5557	474	DISP	6032	50857		
	Sus. + E1	5	263	0	2	0	OCC	3594	39000		
	Sus. + E2	5	264	0	3	0	OCC	3596	39000		
	Sus. + E3	5	264	0	3	0	OCC	3596	39000		
	Sus. + E4	5	263	0	2	0	OCC	3594	39000		
	Max P						H00P	7048	37440		
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		5	263	1	1	146	SUST	3588	39000
	Amb to T1	12	856	1	5572	474	DISP	6046	50862		
	Sus. + E1	5	263	0	2	0	OCC	3590	39000		
	Sus. + E2	5	264	0	3	0	OCC	3591	39000		
	Sus. + E3	5	264	0	3	0	OCC	3591	39000		
	Sus. + E4	5	263	0	2	0	OCC	3590	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress Type		
	Max P					HOOB	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	6	242	1	1	134 SUST	3576	39000
	Amb to T1	16	786	1	5572	435 DISP	6008	50874
	Sus. + E1	6	242	0	2	0 OCC	3578	39000
	Sus. + E2	6	242	0	3	0 OCC	3579	39000
	Sus. + E3	6	242	0	3	0 OCC	3579	39000
	Sus. + E4	6	242	0	2	0 OCC	3578	39000
	Max P					HOOB	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	6	242	1	1	134 SUST	3572	39000
	Amb to T1	16	786	1	5586	435 DISP	6022	50878
	Sus. + E1	6	242	0	2	0 OCC	3574	39000
	Sus. + E2	6	242	0	3	0 OCC	3575	39000
	Sus. + E3	6	242	0	3	0 OCC	3575	39000
	Sus. + E4	6	242	0	2	0 OCC	3573	39000
	Max P					HOOB	7048	37440
+5 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	166	1	1	92 SUST	3530	39000
	Amb to T1	12	541	1	5586	300 DISP	5886	50920
	Sus. + E1	4	166	0	2	0 OCC	3532	39000
	Sus. + E2	4	167	0	3	0 OCC	3533	39000
	Sus. + E3	4	167	0	3	0 OCC	3533	39000
	Sus. + E4	4	166	0	2	0 OCC	3532	39000
	Max P					HOOB	7048	37440
+5 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	166	1	1	92 SUST	3526	39000
	Amb to T1	12	541	1	5600	300 DISP	5900	50924

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	4	166	0	2	0	OCC	3528	39000
	Sus. + E2	4	167	0	3	0	OCC	3529	39000
	Sus. + E3	4	167	0	3	0	OCC	3529	39000
	Sus. + E4	4	166	0	2	0	OCC	3528	39000
	Max P						H00P	7048	37440
+6 - SIFI= 1.00 UNREST GR + Max P		2	103	1	1	57	SUST	3491	39000
	Amb to T1	6	334	1	5600	185	DISP	5785	50959
	Sus. + E1	2	103	0	2	0	OCC	3492	39000
	Sus. + E2	2	103	0	3	0	OCC	3493	39000
	Sus. + E3	2	103	0	3	0	OCC	3493	39000
	Sus. + E4	2	103	0	2	0	OCC	3492	39000
	Max P						H00P	7048	37440
+6 + SIFI= 1.00 UNREST GR + Max P		2	103	1	1	57	SUST	3487	39000
	Amb to T1	6	334	1	5612	185	DISP	5797	50963
	Sus. + E1	2	103	0	2	0	OCC	3489	39000
	Sus. + E2	2	103	0	3	0	OCC	3490	39000
	Sus. + E3	2	103	0	3	0	OCC	3490	39000
	Sus. + E4	2	103	0	2	0	OCC	3488	39000
	Max P						H00P	7048	37440
+7 - SIFI= 1.00 UNREST GR + Max P		1	83	1	1	46	SUST	3476	39000
	Amb to T1	3	269	1	5612	149	DISP	5761	50974
	Sus. + E1	1	83	0	2	0	OCC	3477	39000
	Sus. + E2	1	83	0	3	0	OCC	3478	39000
	Sus. + E3	1	83	0	3	0	OCC	3478	39000
	Sus. + E4	1	83	0	2	0	OCC	3477	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	83	1	1	46 SUST	3472 39000
	Amb to T1		3	269	1	5624	149 DISP	5773 50978
	Sus. + E1		1	83	0	2	0 OCC	3474 39000
	Sus. + E2		1	83	0	3	0 OCC	3475 39000
	Sus. + E3		1	83	0	3	0 OCC	3475 39000
	Sus. + E4		1	83	0	2	0 OCC	3474 39000
	Max P						H00P	7048 37440
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	116	1	1	64 SUST	3491 39000
	Amb to T1		0	379	1	5624	210 DISP	5834 50959
	Sus. + E1		0	117	0	2	0 OCC	3492 39000
	Sus. + E2		0	117	0	3	0 OCC	3493 39000
	Sus. + E3		0	117	0	3	0 OCC	3493 39000
	Sus. + E4		0	117	0	2	0 OCC	3492 39000
	Max P						H00P	7048 37440
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	116	1	1	64 SUST	3487 39000
	Amb to T1		0	379	1	5635	210 DISP	5845 50963
	Sus. + E1		0	117	0	2	0 OCC	3489 39000
	Sus. + E2		0	117	0	3	0 OCC	3490 39000
	Sus. + E3		0	117	0	3	0 OCC	3490 39000
	Sus. + E4		0	117	0	2	0 OCC	3489 39000
	Max P						H00P	7048 37440
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	194	1	1	108 SUST	3530 39000
	Amb to T1		1	633	1	5635	350 DISP	5986 50920

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	0	195	0	2	0	OCC	3532 39000
	Sus. + E2	0	195	0	3	0	OCC	3533 39000
	Sus. + E3	0	195	0	3	0	OCC	3533 39000
	Sus. + E4	0	195	0	2	0	OCC	3532 39000
	Max P						H00P	7048 37440
+9 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	194	1	1	108 SUST	3527 39000
	Amb to T1		1	633	1	5646	350 DISP	5996 50923
	Sus. + E1		0	195	0	2	0 OCC	3529 39000
	Sus. + E2		0	195	0	3	0 OCC	3530 39000
	Sus. + E3		0	195	0	3	0 OCC	3530 39000
	Sus. + E4		0	195	0	2	0 OCC	3529 39000
	Max P						H00P	7048 37440
+10 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	1	283	1	1	156 SUST	3576 39000
	Amb to T1		2	919	1	5646	509 DISP	6155 50874
	Sus. + E1		1	283	0	2	0 OCC	3578 39000
	Sus. + E2		1	283	0	3	0 OCC	3579 39000
	Sus. + E3		1	283	0	3	0 OCC	3579 39000
	Sus. + E4		1	283	0	2	0 OCC	3578 39000
	Max P						H00P	7048 37440
+10 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	283	1	1	156 SUST	3573 39000
	Amb to T1		2	919	1	5656	509 DISP	6165 50877
	Sus. + E1		1	283	0	2	0 OCC	3575 39000
	Sus. + E2		1	283	0	3	0 OCC	3576 39000
	Sus. + E3		1	283	0	3	0 OCC	3576 39000
	Sus. + E4		1	283	0	2	0 OCC	3575 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	308	1	1	171 SUST	3587	39000
	Amb to T1	4	1002	1	5656	555 DISP	6211	50863
	Sus. + E1	2	309	0	2	0 OCC	3589	39000
	Sus. + E2	2	308	0	3	0 OCC	3590	39000
	Sus. + E3	2	308	0	3	0 OCC	3590	39000
	Sus. + E4	2	309	0	2	0 OCC	3589	39000
	Max P						H00P	7048 37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	308	1	1	171 SUST	3584	39000
	Amb to T1	4	1002	1	5665	555 DISP	6220	50866
	Sus. + E1	2	309	0	2	0 OCC	3586	39000
	Sus. + E2	2	308	0	3	0 OCC	3587	39000
	Sus. + E3	2	308	0	3	0 OCC	3587	39000
	Sus. + E4	2	309	0	2	0 OCC	3586	39000
	Max P						H00P	7048 37440
+12 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	148	1	1	82 SUST	3495	39000
	Amb to T1	7	481	1	5665	266 DISP	5932	50955
	Sus. + E1	3	149	0	2	0 OCC	3498	39000
	Sus. + E2	3	148	0	3	0 OCC	3498	39000
	Sus. + E3	3	148	0	3	0 OCC	3498	39000
	Sus. + E4	3	149	0	2	0 OCC	3498	39000
	Max P						H00P	7048 37440
+12 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	148	1	0	82 SUST	3493	39000
	Amb to T1	7	481	1	5674	266 DISP	5940	50957

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	3	149	0	2	0	OCC	3495	39000
	Sus. + E2	3	148	0	3	0	OCC	3496	39000
	Sus. + E3	3	148	0	3	0	OCC	3496	39000
	Sus. + E4	3	149	0	2	0	OCC	3495	39000
	Max P						H00P	7048	37440
+13 - SIFI= 1.00 UNREST GR + Max P		4	370	1	0	205	SUST	3616	39000
	Amb to T1	8	1203	1	5674	666	DISP	6340	50834
	Sus. + E1	4	370	0	2	0	OCC	3618	39000
	Sus. + E2	4	371	0	3	1	OCC	3619	39000
	Sus. + E3	4	371	0	3	1	OCC	3619	39000
	Sus. + E4	4	370	0	2	0	OCC	3618	39000
	Max P						H00P	7048	37440
+13 + SIFI= 1.00 UNREST GR + Max P		4	370	1	0	205	SUST	3613	39000
	Amb to T1	8	1203	1	5682	666	DISP	6348	50837
	Sus. + E1	4	370	0	2	0	OCC	3615	39000
	Sus. + E2	4	371	0	3	1	OCC	3617	39000
	Sus. + E3	4	371	0	3	1	OCC	3617	39000
	Sus. + E4	4	370	0	2	0	OCC	3615	39000
	Max P						H00P	7048	37440
A13 - SIFI= 1.00 UNREST GR + Max P		3	1424	1	0	789	SUST	4197	39000
	Amb to T1	4	4634	1	5682	2566	DISP	8248	50253
	Sus. + E1	3	1426	0	2	1	OCC	4200	39000
	Sus. + E2	3	1427	0	3	1	OCC	4201	39000
	Sus. + E3	3	1427	0	3	1	OCC	4201	39000
	Sus. + E4	3	1426	0	2	1	OCC	4200	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
A13 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	1424	1	0	789	SUST	4194 39000
	Amb to T1	4	4634	1	5691	2566	DISP	8257 50256
	Sus. + E1	3	1426	0	2	1	OCC	4197 39000
	Sus. + E2	3	1427	0	3	1	OCC	4199 39000
	Sus. + E3	3	1427	0	3	1	OCC	4199 39000
	Sus. + E4	3	1426	0	2	1	OCC	4197 39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	360	1	0	199	SUST	3605 39000
	Amb to T1	8	1170	1	5691	648	DISP	6339 50845
	Sus. + E1	4	361	0	2	0	OCC	3607 39000
	Sus. + E2	4	360	0	3	0	OCC	3608 39000
	Sus. + E3	4	360	0	3	0	OCC	3608 39000
	Sus. + E4	4	361	0	2	0	OCC	3607 39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	360	1	0	199	SUST	3602 39000
	Amb to T1	8	1170	1	5702	648	DISP	6350 50848
	Sus. + E1	4	361	0	2	0	OCC	3604 39000
	Sus. + E2	4	360	0	3	0	OCC	3605 39000
	Sus. + E3	4	360	0	3	0	OCC	3605 39000
	Sus. + E4	4	361	0	2	0	OCC	3604 39000
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	155	1	0	86	SUST	3488 39000
	Amb to T1	6	506	1	5702	280	DISP	5982 50962

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	3	156	0	2	0	OCC	3490	39000		
	Sus. + E2	3	156	0	3	0	OCC	3492	39000		
	Sus. + E3	3	156	0	3	0	OCC	3492	39000		
	Sus. + E4	3	156	0	2	0	OCC	3490	39000		
	Max P						H00P	7048	37440		
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		3	155	1	0	86	SUST	3485	39000
	Amb to T1	6	506	1	5712	280	DISP	5992	50965		
	Sus. + E1	3	156	0	2	0	OCC	3487	39000		
	Sus. + E2	3	156	0	3	0	OCC	3488	39000		
	Sus. + E3	3	156	0	3	0	OCC	3488	39000		
	Sus. + E4	3	156	0	2	0	OCC	3487	39000		
	Max P						H00P	7048	37440		
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		1	308	1	0	171	SUST	3570	39000
	Amb to T1	4	1002	1	5712	555	DISP	6267	50880		
	Sus. + E1	1	308	0	2	0	OCC	3572	39000		
	Sus. + E2	1	309	0	3	0	OCC	3573	39000		
	Sus. + E3	1	309	0	3	0	OCC	3573	39000		
	Sus. + E4	1	308	0	2	0	OCC	3572	39000		
	Max P						H00P	7048	37440		
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		1	308	1	0	171	SUST	3567	39000
	Amb to T1	4	1002	1	5721	555	DISP	6276	50883		
	Sus. + E1	1	308	0	2	0	OCC	3569	39000		
	Sus. + E2	1	309	0	3	0	OCC	3570	39000		
	Sus. + E3	1	309	0	3	0	OCC	3570	39000		
	Sus. + E4	1	308	0	2	0	OCC	3569	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153	SUST	3549 39000
	Amb to T1	1	897	1	5721	497	DISP	6217 50901
	Sus. + E1	0	276	0	2	0	OCC	3551 39000
	Sus. + E2	0	276	0	3	0	OCC	3552 39000
	Sus. + E3	0	276	0	3	0	OCC	3552 39000
	Sus. + E4	0	276	0	2	0	OCC	3551 39000
	Max P						H00P	7048 37440
+4 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153	SUST	3546 39000
	Amb to T1	1	897	1	5730	497	DISP	6226 50904
	Sus. + E1	0	276	0	2	0	OCC	3548 39000
	Sus. + E2	0	276	0	3	0	OCC	3549 39000
	Sus. + E3	0	276	0	3	0	OCC	3549 39000
	Sus. + E4	0	276	0	2	0	OCC	3548 39000
	Max P						H00P	7048 37440
+5 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102	SUST	3495 39000
	Amb to T1	0	598	1	5730	331	DISP	6061 50955
	Sus. + E1	0	184	0	2	0	OCC	3497 39000
	Sus. + E2	0	184	0	3	0	OCC	3498 39000
	Sus. + E3	0	184	0	3	0	OCC	3498 39000
	Sus. + E4	0	184	0	2	0	OCC	3497 39000
	Max P						H00P	7048 37440
+5 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102	SUST	3493 39000
	Amb to T1	0	598	1	5738	331	DISP	6069 50957

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	0	184	0	2	0	OCC	3495	39000
	Sus. + E2	0	184	0	3	0	OCC	3496	39000
	Sus. + E3	0	184	0	3	0	OCC	3496	39000
	Sus. + E4	0	184	0	2	0	OCC	3494	39000
	Max P						H00P	7048	37440
+6 - SIFI= 1.00 UNREST GR + Max P		0	106	1	0	59	SUST	3450	39000
	Amb to T1	0	344	1	5738	191	DISP	5929	51000
	Sus. + E1	0	106	0	2	0	OCC	3451	39000
	Sus. + E2	0	106	0	3	0	OCC	3453	39000
	Sus. + E3	0	106	0	3	0	OCC	3453	39000
	Sus. + E4	0	106	0	2	0	OCC	3451	39000
	Max P						H00P	7048	37440
+6 + SIFI= 1.00 UNREST GR + Max P		0	106	1	0	59	SUST	3447	39000
	Amb to T1	0	344	1	5746	191	DISP	5936	51003
	Sus. + E1	0	106	0	2	0	OCC	3449	39000
	Sus. + E2	0	106	0	3	0	OCC	3450	39000
	Sus. + E3	0	106	0	3	0	OCC	3450	39000
	Sus. + E4	0	106	0	2	0	OCC	3449	39000
	Max P						H00P	7048	37440
+7 - SIFI= 1.00 UNREST GR + Max P		0	76	1	0	42	SUST	3431	39000
	Amb to T1	1	248	1	5746	137	DISP	5883	51019
	Sus. + E1	0	76	0	2	0	OCC	3433	39000
	Sus. + E2	0	76	0	3	0	OCC	3434	39000
	Sus. + E3	0	76	0	3	0	OCC	3434	39000
	Sus. + E4	0	76	0	2	0	OCC	3433	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	76	1	0	42 SUST	3429 39000
	Amb to T1		1	248	1	5753	137 DISP	5890 51021
	Sus. + E1		0	76	0	2	0 OCC	3430 39000
	Sus. + E2		0	76	0	3	0 OCC	3432 39000
	Sus. + E3		0	76	0	3	0 OCC	3432 39000
	Sus. + E4		0	76	0	2	0 OCC	3430 39000
	Max P						H00P	7048 37440
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	105	1	0	58 SUST	3445 39000
	Amb to T1		1	341	1	5753	189 DISP	5942 51005
	Sus. + E1		0	105	0	2	0 OCC	3446 39000
	Sus. + E2		0	105	0	3	0 OCC	3448 39000
	Sus. + E3		0	105	0	3	0 OCC	3448 39000
	Sus. + E4		0	105	0	2	0 OCC	3446 39000
	Max P						H00P	7048 37440
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	105	1	0	58 SUST	3443 39000
	Amb to T1		1	341	1	5759	189 DISP	5949 51007
	Sus. + E1		0	105	0	2	0 OCC	3444 39000
	Sus. + E2		0	105	0	3	0 OCC	3446 39000
	Sus. + E3		0	105	0	3	0 OCC	3446 39000
	Sus. + E4		0	105	0	2	0 OCC	3444 39000
	Max P						H00P	7048 37440
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	182	1	0	101 SUST	3485 39000
	Amb to T1		1	592	1	5759	328 DISP	6087 50965

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	0	182	0	2	0	OCC	3487	39000		
	Sus. + E2	0	182	0	3	0	OCC	3488	39000		
	Sus. + E3	0	182	0	3	0	OCC	3488	39000		
	Sus. + E4	0	182	0	2	0	OCC	3487	39000		
	Max P						H00P	7048	37440		
+9 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	182	1	0	101	SUST	3483	39000
	Amb to T1	1	592	1	5766	328	DISP	6094	50967		
	Sus. + E1	0	182	0	2	0	OCC	3485	39000		
	Sus. + E2	0	182	0	3	0	OCC	3486	39000		
	Sus. + E3	0	182	0	3	0	OCC	3486	39000		
	Sus. + E4	0	182	0	2	0	OCC	3485	39000		
	Max P						H00P	7048	37440		
+10 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		0	273	1	0	151	SUST	3534	39000
	Amb to T1	0	889	1	5766	492	DISP	6258	50916		
	Sus. + E1	0	274	0	2	0	OCC	3536	39000		
	Sus. + E2	0	274	0	3	0	OCC	3537	39000		
	Sus. + E3	0	274	0	3	0	OCC	3537	39000		
	Sus. + E4	0	274	0	2	0	OCC	3536	39000		
	Max P						H00P	7048	37440		
+10 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	273	1	0	151	SUST	3532	39000
	Amb to T1	0	889	1	5771	492	DISP	6264	50918		
	Sus. + E1	0	274	0	2	0	OCC	3534	39000		
	Sus. + E2	0	274	0	3	0	OCC	3535	39000		
	Sus. + E3	0	274	0	3	0	OCC	3535	39000		
	Sus. + E4	0	274	0	2	0	OCC	3534	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P		1	306	1	0	170	SUST	3551	39000
	Amb to T1	2	997	1	5771	552	DISP	6323	50899
	Sus. + E1	1	307	0	2	0	OCC	3552	39000
	Sus. + E2	1	307	0	3	0	OCC	3554	39000
	Sus. + E3	1	307	0	3	0	OCC	3554	39000
	Sus. + E4	1	307	0	2	0	OCC	3552	39000
	Max P						HOOB	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P		1	306	1	0	170	SUST	3549	39000
	Amb to T1	2	997	1	5776	552	DISP	6328	50901
	Sus. + E1	1	307	0	2	0	OCC	3551	39000
	Sus. + E2	1	307	0	3	0	OCC	3552	39000
	Sus. + E3	1	307	0	3	0	OCC	3552	39000
	Sus. + E4	1	307	0	2	0	OCC	3551	39000
	Max P						HOOB	7048	37440
+12 - SIFI= 1.00 UNREST GR + Max P		2	156	1	0	86	SUST	3466	39000
	Amb to T1	4	508	1	5776	281	DISP	6057	50984
	Sus. + E1	2	157	0	2	0	OCC	3468	39000
	Sus. + E2	2	156	0	3	0	OCC	3469	39000
	Sus. + E3	2	156	0	3	0	OCC	3469	39000
	Sus. + E4	2	157	0	2	0	OCC	3468	39000
	Max P						HOOB	7048	37440
+12 + SIFI= 1.00 UNREST GR + Max P		2	156	1	0	86	SUST	3464	39000
	Amb to T1	4	508	1	5781	281	DISP	6062	50986

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	2	157	0	2	0	OCC	3466	39000
	Sus. + E2	2	156	0	3	0	OCC	3467	39000
	Sus. + E3	2	156	0	3	0	OCC	3467	39000
	Sus. + E4	2	157	0	2	0	OCC	3466	39000
	Max P						H00P	7048	37440
+13 - SIFI= 1.00 UNREST GR + Max P		4	354	1	0	196	SUST	3574	39000
	Amb to T1	8	1152	1	5781	638	DISP	6419	50876
	Sus. + E1	4	354	0	2	0	OCC	3576	39000
	Sus. + E2	4	355	0	3	0	OCC	3577	39000
	Sus. + E3	4	355	0	3	0	OCC	3577	39000
	Sus. + E4	4	354	0	2	0	OCC	3576	39000
	Max P						H00P	7048	37440
+13 + SIFI= 1.00 UNREST GR + Max P		4	354	1	0	196	SUST	3573	39000
	Amb to T1	8	1152	1	5785	638	DISP	6423	50877
	Sus. + E1	4	354	0	2	0	OCC	3574	39000
	Sus. + E2	4	355	0	3	0	OCC	3576	39000
	Sus. + E3	4	355	0	3	0	OCC	3576	39000
	Sus. + E4	4	354	0	2	0	OCC	3574	39000
	Max P						H00P	7048	37440
A14 - SIFI= 1.00 UNREST GR + Max P		4	1409	1	0	781	SUST	4157	39000
	Amb to T1	10	4584	1	5785	2539	DISP	8324	50293
	Sus. + E1	5	1410	0	2	1	OCC	4159	39000
	Sus. + E2	5	1412	0	3	1	OCC	4161	39000
	Sus. + E3	5	1412	0	3	1	OCC	4161	39000
	Sus. + E4	4	1411	0	2	1	OCC	4159	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
A14 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	5	1409	1	0	781	SUST	4155	39000
	Amb to T1	10	4584	1	5791	2539	DISP	8330	50295
	Sus. + E1	5	1410	0	2	1	OCC	4158	39000
	Sus. + E2	5	1412	0	3	1	OCC	4160	39000
	Sus. + E3	5	1412	0	3	1	OCC	4160	39000
	Sus. + E4	5	1411	0	2	1	OCC	4158	39000
	Max P						HOOB	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	355	1	0	197	SUST	3572	39000
	Amb to T1	8	1155	1	5791	640	DISP	6431	50878
	Sus. + E1	4	356	0	2	0	OCC	3574	39000
	Sus. + E2	4	356	0	3	0	OCC	3575	39000
	Sus. + E3	4	356	0	3	0	OCC	3575	39000
	Sus. + E4	4	356	0	2	0	OCC	3574	39000
	Max P						HOOB	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	355	1	0	197	SUST	3570	39000
	Amb to T1	8	1155	1	5797	640	DISP	6437	50880
	Sus. + E1	4	356	0	2	0	OCC	3572	39000
	Sus. + E2	4	356	0	3	0	OCC	3573	39000
	Sus. + E3	4	356	0	3	0	OCC	3573	39000
	Sus. + E4	4	356	0	2	0	OCC	3572	39000
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	155	1	0	86	SUST	3458	39000
	Amb to T1	4	503	1	5797	279	DISP	6076	50992

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		ASME B31.8 (2012)		CODE COMPLIANCE							
Point name	Load combination	(Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress					
	Sus. + E1	2	155	0	2	0	OCC	3460	39000		
	Sus. + E2	2	155	0	3	0	OCC	3462	39000		
	Sus. + E3	2	155	0	3	0	OCC	3462	39000		
	Sus. + E4	2	155	0	2	0	OCC	3460	39000		
	Max P						H00P	7048	37440		
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		2	155	1	0	86	SUST	3457	39000
	Amb to T1	4	503	1	5803	279	DISP	6082	50993		
	Sus. + E1	2	155	0	2	0	OCC	3458	39000		
	Sus. + E2	2	155	0	3	0	OCC	3460	39000		
	Sus. + E3	2	155	0	3	0	OCC	3460	39000		
	Sus. + E4	2	155	0	2	0	OCC	3458	39000		
	Max P						H00P	7048	37440		
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		1	305	1	0	169	SUST	3540	39000
	Amb to T1	2	993	1	5803	550	DISP	6354	50910		
	Sus. + E1	1	305	0	2	0	OCC	3542	39000		
	Sus. + E2	1	306	0	3	0	OCC	3543	39000		
	Sus. + E3	1	306	0	3	0	OCC	3543	39000		
	Sus. + E4	1	305	0	2	0	OCC	3542	39000		
	Max P						H00P	7048	37440		
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		1	305	1	0	169	SUST	3538	39000
	Amb to T1	2	993	1	5809	550	DISP	6359	50912		
	Sus. + E1	1	305	0	2	0	OCC	3540	39000		
	Sus. + E2	1	306	0	3	0	OCC	3541	39000		
	Sus. + E3	1	306	0	3	0	OCC	3542	39000		
	Sus. + E4	1	305	0	2	0	OCC	3540	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	273	1	0	151 SUST	3520	39000
	Amb to T1	0	887	1	5809	492 DISP	6301	50930
	Sus. + E1	0	273	0	2	0 OCC	3522	39000
	Sus. + E2	0	273	0	3	0 OCC	3523	39000
	Sus. + E3	0	273	0	3	0 OCC	3523	39000
	Sus. + E4	0	273	0	2	0 OCC	3522	39000
	Max P						H00P	7048 37440
+4 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	273	1	0	151 SUST	3519	39000
	Amb to T1	0	887	1	5815	492 DISP	6306	50931
	Sus. + E1	0	273	0	1	0 OCC	3520	39000
	Sus. + E2	0	273	0	3	0 OCC	3522	39000
	Sus. + E3	0	273	0	3	0 OCC	3522	39000
	Sus. + E4	0	273	0	2	0 OCC	3520	39000
	Max P						H00P	7048 37440
+5 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	182	1	0	101 SUST	3468	39000
	Amb to T1	0	591	1	5815	327 DISP	6142	50982
	Sus. + E1	0	182	0	1	0 OCC	3470	39000
	Sus. + E2	0	182	0	3	0 OCC	3471	39000
	Sus. + E3	0	182	0	3	0 OCC	3471	39000
	Sus. + E4	0	182	0	2	0 OCC	3470	39000
	Max P						H00P	7048 37440
+5 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	182	1	0	101 SUST	3467	39000
	Amb to T1	0	591	1	5819	327 DISP	6147	50983

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	0	182	0	1	0	OCC	3468	39000
	Sus. + E2	0	182	0	3	0	OCC	3470	39000
	Sus. + E3	0	182	0	3	0	OCC	3470	39000
	Sus. + E4	0	182	0	1	0	OCC	3468	39000
	Max P						H00P	7048	37440
+6 - SIFI= 1.00 UNREST GR + Max P		0	105	1	0	58	SUST	3424	39000
	Amb to T1	1	341	1	5819	189	DISP	6008	51026
	Sus. + E1	0	105	0	1	0	OCC	3426	39000
	Sus. + E2	0	105	0	3	0	OCC	3427	39000
	Sus. + E3	0	105	0	3	0	OCC	3427	39000
	Sus. + E4	0	105	0	1	0	OCC	3426	39000
	Max P						H00P	7048	37440
+6 + SIFI= 1.00 UNREST GR + Max P		0	105	1	0	58	SUST	3423	39000
	Amb to T1	1	341	1	5824	189	DISP	6013	51027
	Sus. + E1	0	105	0	1	0	OCC	3424	39000
	Sus. + E2	0	105	0	3	0	OCC	3426	39000
	Sus. + E3	0	105	0	3	0	OCC	3426	39000
	Sus. + E4	0	105	0	1	0	OCC	3424	39000
	Max P						H00P	7048	37440
+7 - SIFI= 1.00 UNREST GR + Max P		0	76	1	0	42	SUST	3407	39000
	Amb to T1	1	248	1	5824	137	DISP	5961	51043
	Sus. + E1	0	76	0	1	0	OCC	3408	39000
	Sus. + E2	0	76	0	3	0	OCC	3410	39000
	Sus. + E3	0	76	0	3	0	OCC	3410	39000
	Sus. + E4	0	76	0	1	0	OCC	3408	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	76	1	0	42 SUST	3406 39000
	Amb to T1		1	248	1	5828	137 DISP	5965 51044
	Sus. + E1		0	76	0	1	0 OCC	3407 39000
	Sus. + E2		0	76	0	3	0 OCC	3409 39000
	Sus. + E3		0	76	0	3	0 OCC	3409 39000
	Sus. + E4		0	76	0	1	0 OCC	3407 39000
	Max P						H00P	7048 37440
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3422 39000
	Amb to T1		1	344	1	5828	191 DISP	6019 51028
	Sus. + E1		0	106	0	1	0 OCC	3424 39000
	Sus. + E2		0	106	0	3	0 OCC	3425 39000
	Sus. + E3		0	106	0	3	0 OCC	3425 39000
	Sus. + E4		0	106	0	1	0 OCC	3424 39000
	Max P						H00P	7048 37440
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3421 39000
	Amb to T1		1	344	1	5832	191 DISP	6022 51029
	Sus. + E1		0	106	0	1	0 OCC	3422 39000
	Sus. + E2		0	106	0	3	0 OCC	3424 39000
	Sus. + E3		0	106	0	3	0 OCC	3424 39000
	Sus. + E4		0	106	0	1	0 OCC	3422 39000
	Max P						H00P	7048 37440
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	184	1	0	102 SUST	3464 39000
	Amb to T1		0	598	1	5832	331 DISP	6163 50986

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	184	0	1	0	OCC	3466 39000
	Sus. + E2	0	184	0	3	0	OCC	3467 39000
	Sus. + E3	0	184	0	3	0	OCC	3467 39000
	Sus. + E4	0	184	0	1	0	OCC	3466 39000
	Max P						H00P	7048 37440
+9	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102 SUST	3463 39000
	Amb to T1		0	598	1	5835	331 DISP	6166 50987
	Sus. + E1		0	184	0	1	0 OCC	3465 39000
	Sus. + E2		0	184	0	3	0 OCC	3466 39000
	Sus. + E3		0	184	0	3	0 OCC	3466 39000
	Sus. + E4		0	184	0	1	0 OCC	3465 39000
	Max P						H00P	7048 37440
+10	- SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153 SUST	3514 39000
	Amb to T1		0	898	1	5835	498 DISP	6332 50936
	Sus. + E1		0	277	0	1	0 OCC	3516 39000
	Sus. + E2		0	277	0	3	0 OCC	3517 39000
	Sus. + E3		0	277	0	3	0 OCC	3517 39000
	Sus. + E4		0	277	0	1	0 OCC	3516 39000
	Max P						H00P	7048 37440
+10	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153 SUST	3513 39000
	Amb to T1		0	898	1	5838	498 DISP	6335 50937
	Sus. + E1		0	277	0	1	0 OCC	3515 39000
	Sus. + E2		0	277	0	3	0 OCC	3516 39000
	Sus. + E3		0	277	0	3	0 OCC	3516 39000
	Sus. + E4		0	277	0	1	0 OCC	3515 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P		1	309	1	0	171	SUST	3532	39000
	Amb to T1	2	1006	1	5838	557	DISP	6395	50918
	Sus. + E1	1	310	0	1	0	OCC	3534	39000
	Sus. + E2	1	310	0	3	0	OCC	3535	39000
	Sus. + E3	1	310	0	3	0	OCC	3535	39000
	Sus. + E4	1	310	0	1	0	OCC	3534	39000
	Max P						HOOB	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P		1	309	1	0	171	SUST	3531	39000
	Amb to T1	2	1006	1	5840	557	DISP	6397	50919
	Sus. + E1	1	310	0	1	0	OCC	3533	39000
	Sus. + E2	1	310	0	3	0	OCC	3534	39000
	Sus. + E3	1	310	0	3	0	OCC	3534	39000
	Sus. + E4	1	310	0	1	0	OCC	3533	39000
	Max P						HOOB	7048	37440
+12 - SIFI= 1.00 UNREST GR + Max P		2	157	1	0	87	SUST	3447	39000
	Amb to T1	4	512	1	5840	284	DISP	6124	51003
	Sus. + E1	2	158	0	1	0	OCC	3449	39000
	Sus. + E2	2	157	0	3	0	OCC	3450	39000
	Sus. + E3	2	157	0	3	0	OCC	3450	39000
	Sus. + E4	2	158	0	1	0	OCC	3449	39000
	Max P						HOOB	7048	37440
+12 + SIFI= 1.00 UNREST GR + Max P		2	157	1	0	87	SUST	3446	39000
	Amb to T1	4	512	1	5842	284	DISP	6126	51004

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	2	158	0	1	0	OCC	3448	39000
	Sus. + E2	2	157	0	3	0	OCC	3449	39000
	Sus. + E3	2	157	0	3	0	OCC	3449	39000
	Sus. + E4	2	158	0	1	0	OCC	3448	39000
	Max P						H00P	7048	37440
+13 - SIFI= 1.00 UNREST GR + Max P		3	358	1	0	198	SUST	3557	39000
	Amb to T1	7	1164	1	5842	644	DISP	6487	50893
	Sus. + E1	3	358	0	1	0	OCC	3559	39000
	Sus. + E2	3	359	0	3	0	OCC	3561	39000
	Sus. + E3	3	359	0	3	0	OCC	3561	39000
	Sus. + E4	3	358	0	1	0	OCC	3559	39000
	Max P						H00P	7048	37440
+13 + SIFI= 1.00 UNREST GR + Max P		3	358	1	0	198	SUST	3557	39000
	Amb to T1	7	1164	1	5844	644	DISP	6488	50893
	Sus. + E1	3	358	0	1	0	OCC	3558	39000
	Sus. + E2	3	359	0	3	0	OCC	3560	39000
	Sus. + E3	3	359	0	3	0	OCC	3560	39000
	Sus. + E4	3	358	0	1	0	OCC	3558	39000
	Max P						H00P	7048	37440
A15 - SIFI= 1.00 UNREST GR + Max P		4	1423	1	0	788	SUST	4147	39000
	Amb to T1	9	4630	1	5844	2564	DISP	8408	50303
	Sus. + E1	4	1424	0	1	1	OCC	4149	39000
	Sus. + E2	4	1426	0	3	1	OCC	4151	39000
	Sus. + E3	4	1426	0	3	1	OCC	4151	39000
	Sus. + E4	4	1424	0	1	1	OCC	4149	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
A15 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	1423	1	0	788	SUST	4146	39000
	Amb to T1	9	4630	1	5847	2564	DISP	8411	50304
	Sus. + E1	4	1424	0	1	1	OCC	4148	39000
	Sus. + E2	4	1426	0	3	1	OCC	4150	39000
	Sus. + E3	4	1426	0	3	1	OCC	4150	39000
	Sus. + E4	4	1424	0	1	1	OCC	4148	39000
	Max P						HOOB	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	358	1	0	199	SUST	3556	39000
	Amb to T1	7	1166	1	5847	646	DISP	6492	50894
	Sus. + E1	3	359	0	1	0	OCC	3558	39000
	Sus. + E2	3	359	0	3	0	OCC	3559	39000
	Sus. + E3	3	359	0	3	0	OCC	3559	39000
	Sus. + E4	3	359	0	1	0	OCC	3558	39000
	Max P						HOOB	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	358	1	0	199	SUST	3555	39000
	Amb to T1	7	1166	1	5851	646	DISP	6497	50895
	Sus. + E1	3	359	0	1	0	OCC	3557	39000
	Sus. + E2	3	359	0	3	0	OCC	3558	39000
	Sus. + E3	3	359	0	3	0	OCC	3558	39000
	Sus. + E4	3	359	0	1	0	OCC	3557	39000
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	157	1	0	87	SUST	3443	39000
	Amb to T1	4	509	1	5851	282	DISP	6133	51007

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	2	157	0	1	0	OCC	3445	39000		
	Sus. + E2	2	157	0	3	0	OCC	3446	39000		
	Sus. + E3	2	157	0	3	0	OCC	3446	39000		
	Sus. + E4	2	157	0	1	0	OCC	3445	39000		
	Max P						H00P	7048	37440		
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		2	157	1	0	87	SUST	3442	39000
	Amb to T1	4	509	1	5855	282	DISP	6137	51008		
	Sus. + E1	2	157	0	1	0	OCC	3443	39000		
	Sus. + E2	2	157	0	3	0	OCC	3445	39000		
	Sus. + E3	2	157	0	3	0	OCC	3445	39000		
	Sus. + E4	2	157	0	1	0	OCC	3443	39000		
	Max P						H00P	7048	37440		
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		1	309	1	0	171	SUST	3526	39000
	Amb to T1	2	1004	1	5855	556	DISP	6411	50924		
	Sus. + E1	1	309	0	1	0	OCC	3527	39000		
	Sus. + E2	1	309	0	3	0	OCC	3529	39000		
	Sus. + E3	1	309	0	3	0	OCC	3529	39000		
	Sus. + E4	1	309	0	1	0	OCC	3527	39000		
	Max P						H00P	7048	37440		
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		1	309	1	0	171	SUST	3525	39000
	Amb to T1	2	1004	1	5859	556	DISP	6415	50925		
	Sus. + E1	1	309	0	1	0	OCC	3526	39000		
	Sus. + E2	1	309	0	3	0	OCC	3528	39000		
	Sus. + E3	1	309	0	3	0	OCC	3528	39000		
	Sus. + E4	1	309	0	1	0	OCC	3526	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153 SUST	3507	39000
	Amb to T1	0	896	1	5859	496 DISP	6355	50943
	Sus. + E1	0	276	0	1	0 OCC	3508	39000
	Sus. + E2	0	276	0	3	0 OCC	3510	39000
	Sus. + E3	0	276	0	3	0 OCC	3510	39000
	Sus. + E4	0	276	0	1	0 OCC	3508	39000
	Max P						H00P	7048 37440
+4 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153 SUST	3506	39000
	Amb to T1	0	896	1	5862	496 DISP	6358	50944
	Sus. + E1	0	276	0	1	0 OCC	3507	39000
	Sus. + E2	0	276	0	3	0 OCC	3509	39000
	Sus. + E3	0	276	0	3	0 OCC	3509	39000
	Sus. + E4	0	276	0	1	0 OCC	3507	39000
	Max P						H00P	7048 37440
+5 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102 SUST	3455	39000
	Amb to T1	0	597	1	5862	331 DISP	6193	50995
	Sus. + E1	0	184	0	1	0 OCC	3456	39000
	Sus. + E2	0	184	0	3	0 OCC	3458	39000
	Sus. + E3	0	184	0	3	0 OCC	3458	39000
	Sus. + E4	0	184	0	1	0 OCC	3456	39000
	Max P						H00P	7048 37440
+5 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102 SUST	3454	39000
	Amb to T1	0	597	1	5865	331 DISP	6195	50996

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	0	184	0	1	0	OCC	3455	39000
	Sus. + E2	0	184	0	3	0	OCC	3457	39000
	Sus. + E3	0	184	0	3	0	OCC	3457	39000
	Sus. + E4	0	184	0	1	0	OCC	3455	39000
	Max P						H00P	7048	37440
+6 - SIFI= 1.00 UNREST GR + Max P		0	106	1	0	59	SUST	3411	39000
	Amb to T1	1	344	1	5865	191	DISP	6055	51039
	Sus. + E1	0	106	0	1	0	OCC	3412	39000
	Sus. + E2	0	106	0	3	0	OCC	3414	39000
	Sus. + E3	0	106	0	3	0	OCC	3414	39000
	Sus. + E4	0	106	0	1	0	OCC	3412	39000
	Max P						H00P	7048	37440
+6 + SIFI= 1.00 UNREST GR + Max P		0	106	1	0	59	SUST	3410	39000
	Amb to T1	1	344	1	5867	191	DISP	6058	51040
	Sus. + E1	0	106	0	1	0	OCC	3411	39000
	Sus. + E2	0	106	0	3	0	OCC	3413	39000
	Sus. + E3	0	106	0	3	0	OCC	3413	39000
	Sus. + E4	0	106	0	1	0	OCC	3411	39000
	Max P						H00P	7048	37440
+7 - SIFI= 1.00 UNREST GR + Max P		0	77	1	0	43	SUST	3394	39000
	Amb to T1	1	250	1	5867	139	DISP	6006	51056
	Sus. + E1	0	77	0	1	0	OCC	3395	39000
	Sus. + E2	0	77	0	3	0	OCC	3397	39000
	Sus. + E3	0	77	0	3	0	OCC	3397	39000
	Sus. + E4	0	77	0	1	0	OCC	3395	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	77	1	0	43 SUST	3393 39000
	Amb to T1		1	250	1	5869	139 DISP	6008 51057
	Sus. + E1		0	77	0	1	0 OCC	3395 39000
	Sus. + E2		0	77	0	3	0 OCC	3396 39000
	Sus. + E3		0	77	0	3	0 OCC	3396 39000
	Sus. + E4		0	77	0	1	0 OCC	3395 39000
	Max P						H00P	7048 37440
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3410 39000
	Amb to T1		1	346	1	5869	192 DISP	6061 51040
	Sus. + E1		0	107	0	1	0 OCC	3411 39000
	Sus. + E2		0	107	0	3	0 OCC	3413 39000
	Sus. + E3		0	107	0	3	0 OCC	3413 39000
	Sus. + E4		0	107	0	1	0 OCC	3411 39000
	Max P						H00P	7048 37440
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3409 39000
	Amb to T1		1	346	1	5871	192 DISP	6063 51041
	Sus. + E1		0	107	0	1	0 OCC	3410 39000
	Sus. + E2		0	107	0	3	0 OCC	3412 39000
	Sus. + E3		0	107	0	3	0 OCC	3412 39000
	Sus. + E4		0	107	0	1	0 OCC	3410 39000
	Max P						H00P	7048 37440
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	185	1	0	102 SUST	3452 39000
	Amb to T1		0	601	1	5871	333 DISP	6204 50998

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	185	0	1	0	OCC	3454 39000
	Sus. + E2	0	185	0	3	0	OCC	3456 39000
	Sus. + E3	0	185	0	3	0	OCC	3456 39000
	Sus. + E4	0	185	0	1	0	OCC	3454 39000
	Max P						H00P	7048 37440
+9	+ SIFI= 1.00	SIF0= 1.00						
UNREST	GR + Max P	0	185	1	0	102	SUST	3452 39000
	Amb to T1	0	601	1	5872	333	DISP	6205 50998
	Sus. + E1	0	185	0	1	0	OCC	3454 39000
	Sus. + E2	0	185	0	3	0	OCC	3455 39000
	Sus. + E3	0	185	0	3	0	OCC	3455 39000
	Sus. + E4	0	185	0	1	0	OCC	3454 39000
	Max P						H00P	7048 37440
+10	- SIFI= 1.00	SIF0= 1.00						
UNREST	GR + Max P	0	278	1	0	154	SUST	3503 39000
	Amb to T1	0	903	1	5872	500	DISP	6372 50947
	Sus. + E1	0	278	0	1	0	OCC	3505 39000
	Sus. + E2	0	278	0	3	0	OCC	3507 39000
	Sus. + E3	0	278	0	3	0	OCC	3507 39000
	Sus. + E4	0	278	0	1	0	OCC	3505 39000
	Max P						H00P	7048 37440
+10	+ SIFI= 1.00	SIF0= 1.00						
UNREST	GR + Max P	0	278	1	0	154	SUST	3503 39000
	Amb to T1	0	903	1	5873	500	DISP	6373 50947
	Sus. + E1	0	278	0	1	0	OCC	3505 39000
	Sus. + E2	0	278	0	3	0	OCC	3506 39000
	Sus. + E3	0	278	0	3	0	OCC	3506 39000
	Sus. + E4	0	278	0	1	0	OCC	3505 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	311	1	0	172	SUST	3521	39000
	Amb to T1	1	1011	1	5873	560	DISP	6433	50929
	Sus. + E1	1	311	0	1	0	OCC	3523	39000
	Sus. + E2	1	311	0	3	0	OCC	3525	39000
	Sus. + E3	1	311	0	3	0	OCC	3525	39000
	Sus. + E4	1	311	0	1	0	OCC	3523	39000
	Max P						HOOB	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	311	1	0	172	SUST	3521	39000
	Amb to T1	1	1011	1	5874	560	DISP	6434	50929
	Sus. + E1	1	311	0	1	0	OCC	3523	39000
	Sus. + E2	1	311	0	3	0	OCC	3524	39000
	Sus. + E3	1	311	0	3	0	OCC	3524	39000
	Sus. + E4	1	311	0	1	0	OCC	3523	39000
	Max P						HOOB	7048	37440
+12 SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	158	1	0	87	SUST	3437	39000
	Amb to T1	4	514	1	5874	284	DISP	6159	51013
	Sus. + E1	2	159	0	1	0	OCC	3438	39000
	Sus. + E2	2	158	0	3	0	OCC	3440	39000
	Sus. + E3	2	158	0	3	0	OCC	3440	39000
	Sus. + E4	2	159	0	1	0	OCC	3438	39000
	Max P						HOOB	7048	37440
+13 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	360	1	0	199	SUST	3548	39000
	Amb to T1	7	1170	1	5874	648	DISP	6523	50902

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	3	360	0	1	0	OCC	3550	39000
	Sus. + E2	3	361	0	3	0	OCC	3552	39000
	Sus. + E3	3	361	0	3	0	OCC	3552	39000
	Sus. + E4	3	360	0	1	0	OCC	3550	39000
	Max P						H00P	7048	37440
+13 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		3	360	1	0	199 SUST	3548 39000
	Amb to T1	7	1170	1	5874	648	DISP	6523	50902
	Sus. + E1	3	360	0	1	0	OCC	3550	39000
	Sus. + E2	3	361	0	3	0	OCC	3552	39000
	Sus. + E3	3	361	0	3	0	OCC	3552	39000
	Sus. + E4	3	360	0	1	0	OCC	3550	39000
	Max P						H00P	7048	37440
A16 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		3	1430	1	0	792 SUST	4141 39000
	Amb to T1	8	4653	1	5874	2577	DISP	8452	50309
	Sus. + E1	4	1432	0	1	1	OCC	4143	39000
	Sus. + E2	4	1433	0	3	1	OCC	4146	39000
	Sus. + E3	4	1433	0	3	1	OCC	4146	39000
	Sus. + E4	3	1432	0	1	1	OCC	4143	39000
	Max P						H00P	7048	37440
A16 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		3	1430	1	0	792 SUST	4141 39000
	Amb to T1	8	4653	1	5876	2577	DISP	8453	50309
	Sus. + E1	4	1432	0	1	1	OCC	4143	39000
	Sus. + E2	4	1433	0	3	1	OCC	4145	39000
	Sus. + E3	4	1433	0	3	1	OCC	4145	39000
	Sus. + E4	4	1432	0	1	1	OCC	4143	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress Type		
	Max P					HOOB	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	360	1	0	199 SUST	3548	39000
	Amb to T1	7	1172	1	5876	649 DISP	6525	50902
	Sus. + E1	3	361	0	1	0 OCC	3550	39000
	Sus. + E2	3	361	0	3	0 OCC	3551	39000
	Sus. + E3	3	361	0	3	0 OCC	3551	39000
	Sus. + E4	3	361	0	1	0 OCC	3550	39000
	Max P					HOOB	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	360	1	0	199 SUST	3547	39000
	Amb to T1	7	1172	1	5879	649 DISP	6528	50903
	Sus. + E1	3	361	0	1	0 OCC	3549	39000
	Sus. + E2	3	361	0	3	0 OCC	3550	39000
	Sus. + E3	3	361	0	3	0 OCC	3550	39000
	Sus. + E4	3	361	0	1	0 OCC	3549	39000
	Max P					HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	158	1	0	87 SUST	3435	39000
	Amb to T1	4	513	1	5879	284 DISP	6163	51015
	Sus. + E1	2	158	0	1	0 OCC	3437	39000
	Sus. + E2	2	158	0	3	0 OCC	3438	39000
	Sus. + E3	2	158	0	3	0 OCC	3438	39000
	Sus. + E4	2	158	0	1	0 OCC	3437	39000
	Max P					HOOB	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	158	1	0	87 SUST	3434	39000
	Amb to T1	4	513	1	5881	284 DISP	6165	51016

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	2	158	0	1	0	OCC	3436	39000		
	Sus. + E2	2	158	0	3	0	OCC	3438	39000		
	Sus. + E3	2	158	0	3	0	OCC	3438	39000		
	Sus. + E4	2	158	0	1	0	OCC	3436	39000		
	Max P						H00P	7048	37440		
+3 - UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00		1	310	1	0	172	SUST	3519	39000
	Amb to T1	1	1010	1	5881	559	DISP	6440	50931		
	Sus. + E1	1	311	0	1	0	OCC	3520	39000		
	Sus. + E2	1	311	0	3	0	OCC	3522	39000		
	Sus. + E3	1	311	0	3	0	OCC	3522	39000		
	Sus. + E4	1	311	0	1	0	OCC	3520	39000		
	Max P						H00P	7048	37440		
+3 + UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00		1	310	1	0	172	SUST	3518	39000
	Amb to T1	1	1010	1	5883	559	DISP	6442	50932		
	Sus. + E1	1	311	0	1	0	OCC	3520	39000		
	Sus. + E2	1	311	0	3	0	OCC	3522	39000		
	Sus. + E3	1	311	0	3	0	OCC	3522	39000		
	Sus. + E4	1	311	0	1	0	OCC	3520	39000		
	Max P						H00P	7048	37440		
+4 - UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00		0	277	1	0	153	SUST	3500	39000
	Amb to T1	0	901	1	5883	499	DISP	6383	50950		
	Sus. + E1	0	277	0	1	0	OCC	3501	39000		
	Sus. + E2	0	278	0	3	0	OCC	3503	39000		
	Sus. + E3	0	278	0	3	0	OCC	3503	39000		
	Sus. + E4	0	277	0	1	0	OCC	3501	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4	+ SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	0	277	1	0	153	SUST	3499 39000
	Amb to T1	0	901	1	5885	499	DISP	6384 50951
	Sus. + E1	0	277	0	1	0	OCC	3501 39000
	Sus. + E2	0	278	0	3	0	OCC	3503 39000
	Sus. + E3	0	278	0	3	0	OCC	3503 39000
	Sus. + E4	0	277	0	1	0	OCC	3501 39000
	Max P						H00P	7048 37440
+5	- SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	0	185	1	0	102	SUST	3448 39000
	Amb to T1	0	601	1	5885	333	DISP	6218 51002
	Sus. + E1	0	185	0	1	0	OCC	3449 39000
	Sus. + E2	0	185	0	3	0	OCC	3451 39000
	Sus. + E3	0	185	0	3	0	OCC	3451 39000
	Sus. + E4	0	185	0	1	0	OCC	3449 39000
	Max P						H00P	7048 37440
+5	+ SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	0	185	1	0	102	SUST	3448 39000
	Amb to T1	0	601	1	5887	333	DISP	6219 51002
	Sus. + E1	0	185	0	1	0	OCC	3449 39000
	Sus. + E2	0	185	0	3	0	OCC	3451 39000
	Sus. + E3	0	185	0	3	0	OCC	3451 39000
	Sus. + E4	0	185	0	1	0	OCC	3449 39000
	Max P						H00P	7048 37440
+6	- SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	0	106	1	0	59	SUST	3404 39000
	Amb to T1	1	346	1	5887	192	DISP	6078 51046

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	106	0	1	0	OCC	3406 39000
	Sus. + E2	0	107	0	3	0	OCC	3407 39000
	Sus. + E3	0	107	0	3	0	OCC	3407 39000
	Sus. + E4	0	106	0	1	0	OCC	3406 39000
	Max P						H00P	7048 37440
+6	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3404 39000
	Amb to T1		1	346	1	5888	192 DISP	6079 51046
	Sus. + E1		0	106	0	1	0 OCC	3405 39000
	Sus. + E2		0	107	0	3	0 OCC	3407 39000
	Sus. + E3		0	107	0	3	0 OCC	3407 39000
	Sus. + E4		0	106	0	1	0 OCC	3405 39000
	Max P						H00P	7048 37440
+7	- SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	77	1	0	43 SUST	3388 39000
	Amb to T1		1	251	1	5888	139 DISP	6027 51062
	Sus. + E1		0	77	0	1	0 OCC	3389 39000
	Sus. + E2		0	77	0	3	0 OCC	3391 39000
	Sus. + E3		0	77	0	3	0 OCC	3391 39000
	Sus. + E4		0	77	0	1	0 OCC	3389 39000
	Max P						H00P	7048 37440
+7	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	77	1	0	43 SUST	3387 39000
	Amb to T1		1	251	1	5888	139 DISP	6028 51063
	Sus. + E1		0	77	0	1	0 OCC	3389 39000
	Sus. + E2		0	77	0	3	0 OCC	3391 39000
	Sus. + E3		0	77	0	3	0 OCC	3391 39000
	Sus. + E4		0	77	0	1	0 OCC	3389 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+8 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	107	1	0	59 SUST	3404 39000
	Amb to T1		0	347	1	5888	192 DISP	6080 51046
	Sus. + E1		0	107	0	1	0 OCC	3405 39000
	Sus. + E2		0	107	0	3	0 OCC	3407 39000
	Sus. + E3		0	107	0	3	0 OCC	3407 39000
	Sus. + E4		0	107	0	1	0 OCC	3405 39000
	Max P						H00P	7048 37440
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	185	1	0	103 SUST	3447 39000
	Amb to T1		0	602	1	5889	333 DISP	6222 51003
	Sus. + E1		0	185	0	1	0 OCC	3448 39000
	Sus. + E2		0	185	0	3	0 OCC	3450 39000
	Sus. + E3		0	185	0	3	0 OCC	3450 39000
	Sus. + E4		0	185	0	1	0 OCC	3448 39000
	Max P						H00P	7048 37440
+9 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	185	1	0	103 SUST	3447 39000
	Amb to T1		0	602	1	5889	333 DISP	6223 51003
	Sus. + E1		0	185	0	1	0 OCC	3448 39000
	Sus. + E2		0	185	0	3	0 OCC	3450 39000
	Sus. + E3		0	185	0	3	0 OCC	3450 39000
	Sus. + E4		0	185	0	1	0 OCC	3448 39000
	Max P						H00P	7048 37440
+10 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	278	1	0	154 SUST	3498 39000
	Amb to T1		0	904	1	5889	501 DISP	6390 50952

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	0	278	0	1	0	OCC	3500	39000
	Sus. + E2	0	278	0	3	0	OCC	3502	39000
	Sus. + E3	0	278	0	3	0	OCC	3502	39000
	Sus. + E4	0	278	0	1	0	OCC	3500	39000
	Max P						H00P	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	311	1	0	172	SUST	3517	39000
	Amb to T1	1	1013	1	5889	561	DISP	6450	50933
	Sus. + E1	1	312	0	1	0	OCC	3519	39000
	Sus. + E2	1	312	0	3	0	OCC	3520	39000
	Sus. + E3	1	312	0	3	0	OCC	3520	39000
	Sus. + E4	1	312	0	1	0	OCC	3519	39000
	Max P						H00P	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	311	1	0	172	SUST	3517	39000
	Amb to T1	1	1013	1	5888	561	DISP	6449	50933
	Sus. + E1	1	312	0	1	0	OCC	3519	39000
	Sus. + E2	1	312	0	3	0	OCC	3520	39000
	Sus. + E3	1	312	0	3	0	OCC	3520	39000
	Sus. + E4	1	312	0	1	0	OCC	3519	39000
	Max P						H00P	7048	37440
+12 SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	158	1	0	88	SUST	3432	39000
	Amb to T1	3	514	1	5888	285	DISP	6173	51018
	Sus. + E1	1	159	0	1	0	OCC	3434	39000
	Sus. + E2	1	158	0	3	0	OCC	3435	39000
	Sus. + E3	1	158	0	3	0	OCC	3435	39000
	Sus. + E4	1	159	0	1	0	OCC	3434	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+13 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	361	1	0	200 SUST	3545	39000
	Amb to T1	6	1173	1	5888	650 DISP	6537	50905
	Sus. + E1	3	361	0	1	0 OCC	3546	39000
	Sus. + E2	2	361	0	3	0 OCC	3548	39000
	Sus. + E3	2	361	0	3	0 OCC	3548	39000
	Sus. + E4	2	361	0	1	0 OCC	3546	39000
	Max P						H00P	7048 37440
+13 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	361	1	0	200 SUST	3545	39000
	Amb to T1	6	1173	1	5886	650 DISP	6536	50905
	Sus. + E1	3	361	0	1	0 OCC	3546	39000
	Sus. + E2	2	361	0	3	0 OCC	3549	39000
	Sus. + E3	2	361	0	3	0 OCC	3549	39000
	Sus. + E4	2	361	0	1	0 OCC	3546	39000
	Max P						H00P	7048 37440
A17 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	1433	1	0	794 SUST	4139	39000
	Amb to T1	8	4663	1	5886	2582 DISP	8469	50311
	Sus. + E1	3	1434	0	1	1 OCC	4141	39000
	Sus. + E2	3	1436	0	3	1 OCC	4144	39000
	Sus. + E3	3	1436	0	3	1 OCC	4144	39000
	Sus. + E4	3	1434	0	1	1 OCC	4141	39000
	Max P						H00P	7048 37440
A17 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	1433	1	0	794 SUST	4139	39000
	Amb to T1	8	4663	1	5887	2582 DISP	8469	50311

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	3	1434	0	1	1	OCC	4141 39000
	Sus. + E2	3	1436	0	3	1	OCC	4144 39000
	Sus. + E3	3	1436	0	3	1	OCC	4144 39000
	Sus. + E4	3	1434	0	1	1	OCC	4141 39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P		2	361	1	0	200	SUST	3545 39000
	Amb to T1	6	1173	1	5887	650	DISP	6536 50905
	Sus. + E1	3	361	0	1	0	OCC	3547 39000
	Sus. + E2	3	361	0	3	0	OCC	3548 39000
	Sus. + E3	2	361	0	3	0	OCC	3548 39000
	Sus. + E4	2	361	0	1	0	OCC	3547 39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P		2	361	1	0	200	SUST	3544 39000
	Amb to T1	6	1173	1	5888	650	DISP	6538 50906
	Sus. + E1	3	361	0	1	0	OCC	3546 39000
	Sus. + E2	3	361	0	3	0	OCC	3548 39000
	Sus. + E3	2	361	0	3	0	OCC	3548 39000
	Sus. + E4	2	361	0	1	0	OCC	3546 39000
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P		1	158	1	0	88	SUST	3432 39000
	Amb to T1	3	515	1	5888	285	DISP	6173 51018
	Sus. + E1	1	159	0	1	0	OCC	3434 39000
	Sus. + E2	1	159	0	3	0	OCC	3436 39000
	Sus. + E3	1	159	0	3	0	OCC	3436 39000
	Sus. + E4	1	159	0	1	0	OCC	3434 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2	+ SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	1	158	1	0	88	SUST	3432 39000
	Amb to T1	3	515	1	5890	285	DISP	6175 51018
	Sus. + E1	1	159	0	1	0	OCC	3433 39000
	Sus. + E2	1	159	0	3	0	OCC	3435 39000
	Sus. + E3	1	159	0	3	0	OCC	3435 39000
	Sus. + E4	1	159	0	1	0	OCC	3433 39000
	Max P						H00P	7048 37440
+3	- SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	1	311	1	0	172	SUST	3517 39000
	Amb to T1	1	1012	1	5890	560	DISP	6450 50933
	Sus. + E1	1	311	0	1	0	OCC	3518 39000
	Sus. + E2	1	312	0	3	0	OCC	3520 39000
	Sus. + E3	1	312	0	3	0	OCC	3520 39000
	Sus. + E4	1	311	0	1	0	OCC	3518 39000
	Max P						H00P	7048 37440
+3	+ SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	1	311	1	0	172	SUST	3516 39000
	Amb to T1	1	1012	1	5891	560	DISP	6451 50934
	Sus. + E1	1	311	0	1	0	OCC	3518 39000
	Sus. + E2	1	312	0	3	0	OCC	3520 39000
	Sus. + E3	1	312	0	3	0	OCC	3520 39000
	Sus. + E4	1	311	0	1	0	OCC	3518 39000
	Max P						H00P	7048 37440
+4	- SIFI= 1.00 SIF0= 1.00 UNREST GR + Max P	0	278	1	0	154	SUST	3498 39000
	Amb to T1	0	904	1	5891	500	DISP	6391 50952

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	278	0	1	0	OCC	3499 39000
	Sus. + E2	0	278	0	3	0	OCC	3501 39000
	Sus. + E3	0	278	0	3	0	OCC	3501 39000
	Sus. + E4	0	278	0	1	0	OCC	3499 39000
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	278	1	0	154 SUST	3498 39000
	Amb to T1		0	904	1	5891	500 DISP	6392 50952
	Sus. + E1		0	278	0	1	0 OCC	3499 39000
	Sus. + E2		0	278	0	3	0 OCC	3501 39000
	Sus. + E3		0	278	0	3	0 OCC	3501 39000
	Sus. + E4		0	278	0	1	0 OCC	3499 39000
	Max P						H00P	7048 37440
+5 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	185	1	0	103 SUST	3446 39000
	Amb to T1		0	602	1	5891	333 DISP	6225 51004
	Sus. + E1		0	185	0	1	0 OCC	3448 39000
	Sus. + E2		0	185	0	3	0 OCC	3450 39000
	Sus. + E3		0	185	0	3	0 OCC	3450 39000
	Sus. + E4		0	185	0	1	0 OCC	3447 39000
	Max P						H00P	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	107	1	0	59 SUST	3403 39000
	Amb to T1		0	347	1	5892	192 DISP	6084 51047
	Sus. + E1		0	107	0	1	0 OCC	3404 39000
	Sus. + E2		0	107	0	3	0 OCC	3406 39000
	Sus. + E3		0	107	0	3	0 OCC	3406 39000
	Sus. + E4		0	107	0	1	0 OCC	3404 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	107	1	0	59 SUST	3403 39000
	Amb to T1		0	347	1	5892	192 DISP	6084 51047
	Sus. + E1		0	107	0	1	0 OCC	3404 39000
	Sus. + E2		0	107	0	3	0 OCC	3406 39000
	Sus. + E3		0	107	0	3	0 OCC	3406 39000
	Sus. + E4		0	107	0	1	0 OCC	3404 39000
	Max P						H00P	7048 37440
+7 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	77	1	0	43 SUST	3387 39000
	Amb to T1		0	251	1	5892	139 DISP	6031 51063
	Sus. + E1		0	77	0	1	0 OCC	3388 39000
	Sus. + E2		0	77	0	3	0 OCC	3390 39000
	Sus. + E3		0	77	0	3	0 OCC	3390 39000
	Sus. + E4		0	77	0	1	0 OCC	3388 39000
	Max P						H00P	7048 37440
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3403 39000
	Amb to T1		0	346	1	5892	192 DISP	6083 51047
	Sus. + E1		0	106	0	1	0 OCC	3404 39000
	Sus. + E2		0	107	0	3	0 OCC	3406 39000
	Sus. + E3		0	107	0	3	0 OCC	3406 39000
	Sus. + E4		0	106	0	1	0 OCC	3404 39000
	Max P						H00P	7048 37440
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3403 39000
	Amb to T1		0	346	1	5891	192 DISP	6083 51047

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	106	0	1	0	OCC	3404 39000
	Sus. + E2	0	107	0	3	0	OCC	3406 39000
	Sus. + E3	0	107	0	3	0	OCC	3406 39000
	Sus. + E4	0	106	0	1	0	OCC	3404 39000
	Max P						H00P	7048 37440
+9 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	185	1	0	102 SUST	3446 39000
	Amb to T1		0	601	1	5891	333 DISP	6224 51004
	Sus. + E1		0	185	0	1	0 OCC	3448 39000
	Sus. + E2		0	185	0	3	0 OCC	3450 39000
	Sus. + E3		0	185	0	3	0 OCC	3450 39000
	Sus. + E4		0	185	0	1	0 OCC	3448 39000
	Max P						H00P	7048 37440
+10 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	278	1	0	154 SUST	3498 39000
	Amb to T1		0	903	1	5890	500 DISP	6390 50952
	Sus. + E1		0	278	0	1	0 OCC	3499 39000
	Sus. + E2		0	278	0	3	0 OCC	3501 39000
	Sus. + E3		0	278	0	3	0 OCC	3501 39000
	Sus. + E4		0	278	0	1	0 OCC	3499 39000
	Max P						H00P	7048 37440
+10 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	278	1	0	154 SUST	3498 39000
	Amb to T1		0	903	1	5889	500 DISP	6389 50952
	Sus. + E1		0	278	0	1	0 OCC	3500 39000
	Sus. + E2		0	278	0	3	0 OCC	3502 39000
	Sus. + E3		0	278	0	3	0 OCC	3502 39000
	Sus. + E4		0	278	0	1	0 OCC	3500 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	311	1	0	172	SUST	3517	39000
	Amb to T1	1	1012	1	5889	560	DISP	6449	50933
	Sus. + E1	0	312	0	1	0	OCC	3518	39000
	Sus. + E2	0	311	0	3	0	OCC	3520	39000
	Sus. + E3	0	311	0	3	0	OCC	3520	39000
	Sus. + E4	0	312	0	1	0	OCC	3518	39000
	Max P						HOOB	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	311	1	0	172	SUST	3517	39000
	Amb to T1	1	1012	1	5887	560	DISP	6447	50933
	Sus. + E1	0	312	0	1	0	OCC	3519	39000
	Sus. + E2	0	311	0	3	0	OCC	3521	39000
	Sus. + E3	0	311	0	3	0	OCC	3521	39000
	Sus. + E4	0	312	0	1	0	OCC	3519	39000
	Max P						HOOB	7048	37440
+12 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	158	1	0	87	SUST	3432	39000
	Amb to T1	3	513	1	5887	284	DISP	6171	51018
	Sus. + E1	1	158	0	1	0	OCC	3434	39000
	Sus. + E2	1	158	0	3	0	OCC	3436	39000
	Sus. + E3	1	158	0	3	0	OCC	3436	39000
	Sus. + E4	1	158	0	1	0	OCC	3434	39000
	Max P						HOOB	7048	37440
+12 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	158	1	0	87	SUST	3433	39000
	Amb to T1	3	513	1	5885	284	DISP	6169	51017

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	1	158	0	1	0	OCC	3435	39000
	Sus. + E2	1	158	0	3	0	OCC	3436	39000
	Sus. + E3	1	158	0	3	0	OCC	3436	39000
	Sus. + E4	1	158	0	1	0	OCC	3435	39000
	Max P						H00P	7048	37440
+13 - SIFI= 1.00 UNREST GR + Max P		2	361	1	0	200	SUST	3545	39000
	Amb to T1	6	1173	1	5885	650	DISP	6535	50905
	Sus. + E1	2	361	0	1	0	OCC	3547	39000
	Sus. + E2	2	361	0	3	0	OCC	3549	39000
	Sus. + E3	2	361	0	3	0	OCC	3549	39000
	Sus. + E4	2	361	0	1	0	OCC	3547	39000
	Max P						H00P	7048	37440
+13 + SIFI= 1.00 UNREST GR + Max P		2	361	1	0	200	SUST	3546	39000
	Amb to T1	6	1173	1	5883	650	DISP	6533	50904
	Sus. + E1	2	361	0	1	0	OCC	3547	39000
	Sus. + E2	2	361	0	3	0	OCC	3550	39000
	Sus. + E3	2	361	0	3	0	OCC	3550	39000
	Sus. + E4	2	361	0	1	0	OCC	3547	39000
	Max P						H00P	7048	37440
A18 - SIFI= 1.00 UNREST GR + Max P		2	1432	1	0	793	SUST	4140	39000
	Amb to T1	7	4659	1	5883	2580	DISP	8464	50310
	Sus. + E1	3	1433	0	1	0	OCC	4141	39000
	Sus. + E2	3	1435	0	3	1	OCC	4144	39000
	Sus. + E3	3	1435	0	3	1	OCC	4144	39000
	Sus. + E4	3	1433	0	1	0	OCC	4141	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
A18 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	3	1432	1	0	793	SUST	4140	39000
	Amb to T1	7	4659	1	5882	2580	DISP	8463	50310
	Sus. + E1	3	1433	0	1	0	OCC	4142	39000
	Sus. + E2	3	1435	0	3	1	OCC	4144	39000
	Sus. + E3	3	1435	0	3	1	OCC	4144	39000
	Sus. + E4	3	1433	0	1	0	OCC	4142	39000
	Max P						HOOB	7048	37440
+1 SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	360	1	0	200	SUST	3546	39000
	Amb to T1	6	1172	1	5882	649	DISP	6531	50904
	Sus. + E1	2	361	0	1	0	OCC	3548	39000
	Sus. + E2	2	361	0	3	0	OCC	3550	39000
	Sus. + E3	2	361	0	3	0	OCC	3550	39000
	Sus. + E4	2	361	0	1	0	OCC	3548	39000
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	158	1	0	88	SUST	3434	39000
	Amb to T1	3	515	1	5883	285	DISP	6168	51016
	Sus. + E1	1	159	0	1	0	OCC	3435	39000
	Sus. + E2	1	159	0	3	0	OCC	3438	39000
	Sus. + E3	1	159	0	3	0	OCC	3438	39000
	Sus. + E4	1	159	0	1	0	OCC	3435	39000
	Max P						HOOB	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	158	1	0	88	SUST	3434	39000
	Amb to T1	3	515	1	5883	285	DISP	6168	51016

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		ASME B31.8 (2012)		CODE COMPLIANCE						
Point name	Load combination	(Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.	
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type			
	Sus. + E1	1	159	0	1	0	OCC	3435	39000	
	Sus. + E2	1	159	0	3	0	OCC	3437	39000	
	Sus. + E3	1	159	0	3	0	OCC	3437	39000	
	Sus. + E4	1	159	0	1	0	OCC	3435	39000	
	Max P						H00P	7048	37440	
+3 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	311	1	0	172	SUST	3519	39000
	Amb to T1		1	1012	1	5883	561	DISP	6444	50931
	Sus. + E1		0	311	0	1	0	OCC	3520	39000
	Sus. + E2		0	312	0	3	0	OCC	3522	39000
	Sus. + E3		0	312	0	3	0	OCC	3522	39000
	Sus. + E4		0	311	0	1	0	OCC	3520	39000
	Max P						H00P	7048	37440	
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	278	1	0	154	SUST	3500	39000
	Amb to T1		0	903	1	5883	500	DISP	6383	50950
	Sus. + E1		0	278	0	1	0	OCC	3501	39000
	Sus. + E2		0	278	0	3	0	OCC	3504	39000
	Sus. + E3		0	278	0	3	0	OCC	3504	39000
	Sus. + E4		0	278	0	1	0	OCC	3501	39000
	Max P						H00P	7048	37440	
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	278	1	0	154	SUST	3500	39000
	Amb to T1		0	903	1	5882	500	DISP	6383	50950
	Sus. + E1		0	278	0	1	0	OCC	3501	39000
	Sus. + E2		0	278	0	3	0	OCC	3504	39000
	Sus. + E3		0	278	0	3	0	OCC	3504	39000
	Sus. + E4		0	278	0	1	0	OCC	3501	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+5 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	185	1	0	102 SUST	3449 39000
	Amb to T1		0	601	1	5882	333 DISP	6216 51001
	Sus. + E1		0	185	0	1	0 OCC	3450 39000
	Sus. + E2		0	185	0	3	0 OCC	3452 39000
	Sus. + E3		0	185	0	3	0 OCC	3452 39000
	Sus. + E4		0	185	0	1	0 OCC	3450 39000
	Max P						H00P	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	107	1	0	59 SUST	3406 39000
	Amb to T1		0	347	1	5882	192 DISP	6074 51044
	Sus. + E1		0	107	0	1	0 OCC	3407 39000
	Sus. + E2		0	107	0	3	0 OCC	3409 39000
	Sus. + E3		0	107	0	3	0 OCC	3409 39000
	Sus. + E4		0	107	0	1	0 OCC	3407 39000
	Max P						H00P	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	107	1	0	59 SUST	3406 39000
	Amb to T1		0	347	1	5881	192 DISP	6073 51044
	Sus. + E1		0	107	0	1	0 OCC	3407 39000
	Sus. + E2		0	107	0	3	0 OCC	3409 39000
	Sus. + E3		0	107	0	3	0 OCC	3409 39000
	Sus. + E4		0	107	0	1	0 OCC	3407 39000
	Max P						H00P	7048 37440
+7 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	77	1	0	43 SUST	3390 39000
	Amb to T1		0	251	1	5881	139 DISP	6019 51060

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		ASME B31.8 (2012)		CODE COMPLIANCE							
Point name	Load combination	(Moments in ft-lb)		Shear Stress	(Stress in psi)		Code Stress	Code Allow.			
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			Type		
	Sus. + E1	0	77	0	1	0	OCC	3391	39000		
	Sus. + E2	0	77	0	3	0	OCC	3393	39000		
	Sus. + E3	0	77	0	3	0	OCC	3393	39000		
	Sus. + E4	0	77	0	1	0	OCC	3391	39000		
	Max P						H00P	7048	37440		
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	77	1	0	43	SUST	3390	39000
	Amb to T1	0	251	1	5879	139	DISP	6018	51060		
	Sus. + E1	0	77	0	1	0	OCC	3391	39000		
	Sus. + E2	0	77	0	3	0	OCC	3393	39000		
	Sus. + E3	0	77	0	3	0	OCC	3393	39000		
	Sus. + E4	0	77	0	1	0	OCC	3391	39000		
	Max P						H00P	7048	37440		
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		0	106	1	0	59	SUST	3406	39000
	Amb to T1	0	345	1	5879	191	DISP	6070	51044		
	Sus. + E1	0	106	0	1	0	OCC	3407	39000		
	Sus. + E2	0	106	0	3	0	OCC	3410	39000		
	Sus. + E3	0	106	0	3	0	OCC	3410	39000		
	Sus. + E4	0	106	0	1	0	OCC	3407	39000		
	Max P						H00P	7048	37440		
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	106	1	0	59	SUST	3407	39000
	Amb to T1	0	345	1	5877	191	DISP	6069	51043		
	Sus. + E1	0	106	0	1	0	OCC	3408	39000		
	Sus. + E2	0	106	0	3	0	OCC	3410	39000		
	Sus. + E3	0	106	0	3	0	OCC	3410	39000		
	Sus. + E4	0	106	0	1	0	OCC	3408	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+9 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102 SUST	3450	39000
	Amb to T1	0	599	1	5877	332 DISP	6209	51000
	Sus. + E1	0	184	0	1	0 OCC	3451	39000
	Sus. + E2	0	184	0	3	0 OCC	3453	39000
	Sus. + E3	0	184	0	3	0 OCC	3453	39000
	Sus. + E4	0	184	0	1	0 OCC	3451	39000
	Max P						H00P	7048 37440
+9 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102 SUST	3451	39000
	Amb to T1	0	599	1	5875	332 DISP	6207	50999
	Sus. + E1	0	184	0	1	0 OCC	3452	39000
	Sus. + E2	0	184	0	3	0 OCC	3454	39000
	Sus. + E3	0	184	0	3	0 OCC	3454	39000
	Sus. + E4	0	184	0	1	0 OCC	3452	39000
	Max P						H00P	7048 37440
+10 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153 SUST	3502	39000
	Amb to T1	0	898	1	5875	498 DISP	6373	50948
	Sus. + E1	0	277	0	1	0 OCC	3503	39000
	Sus. + E2	0	277	0	3	0 OCC	3505	39000
	Sus. + E3	0	277	0	3	0 OCC	3505	39000
	Sus. + E4	0	277	0	1	0 OCC	3503	39000
	Max P						H00P	7048 37440
+10 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	276	1	0	153 SUST	3503	39000
	Amb to T1	0	898	1	5873	498 DISP	6370	50947

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	0	277	0	1	0	OCC	3504	39000
	Sus. + E2	0	277	0	3	0	OCC	3506	39000
	Sus. + E3	0	277	0	3	0	OCC	3506	39000
	Sus. + E4	0	277	0	1	0	OCC	3504	39000
	Max P						H00P	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P		0	310	1	0	172	SUST	3521	39000
	Amb to T1	1	1008	1	5873	558	DISP	6431	50929
	Sus. + E1	0	310	0	1	0	OCC	3522	39000
	Sus. + E2	0	310	0	3	0	OCC	3525	39000
	Sus. + E3	0	310	0	3	0	OCC	3525	39000
	Sus. + E4	0	310	0	1	0	OCC	3522	39000
	Max P						H00P	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P		0	310	1	0	172	SUST	3522	39000
	Amb to T1	1	1008	1	5870	558	DISP	6428	50928
	Sus. + E1	0	310	0	1	0	OCC	3523	39000
	Sus. + E2	0	310	0	3	0	OCC	3525	39000
	Sus. + E3	0	310	0	3	0	OCC	3525	39000
	Sus. + E4	0	310	0	1	0	OCC	3523	39000
	Max P						H00P	7048	37440
+12 - SIFI= 1.00 UNREST GR + Max P		1	157	1	0	87	SUST	3438	39000
	Amb to T1	3	512	1	5870	283	DISP	6153	51012
	Sus. + E1	1	158	0	1	0	OCC	3439	39000
	Sus. + E2	1	157	0	3	0	OCC	3441	39000
	Sus. + E3	1	157	0	3	0	OCC	3441	39000
	Sus. + E4	1	158	0	1	0	OCC	3439	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+12 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	157	1	0	87 SUST	3439 39000
	Amb to T1		3	512	1	5867	283 DISP	6150 51011
	Sus. + E1		1	158	0	1	0 OCC	3440 39000
	Sus. + E2		1	157	0	3	0 OCC	3442 39000
	Sus. + E3		1	157	0	3	0 OCC	3442 39000
	Sus. + E4		1	158	0	1	0 OCC	3440 39000
	Max P						H00P	7048 37440
+13 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	2	359	1	0	199 SUST	3550 39000
	Amb to T1		5	1169	1	5867	648 DISP	6514 50900
	Sus. + E1		2	360	0	1	0 OCC	3552 39000
	Sus. + E2		2	360	0	3	0 OCC	3554 39000
	Sus. + E3		2	360	0	3	0 OCC	3554 39000
	Sus. + E4		2	360	0	1	0 OCC	3552 39000
	Max P						H00P	7048 37440
+13 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	2	359	1	0	199 SUST	3552 39000
	Amb to T1		5	1169	1	5863	648 DISP	6511 50898
	Sus. + E1		2	360	0	1	0 OCC	3553 39000
	Sus. + E2		2	360	0	3	0 OCC	3555 39000
	Sus. + E3		2	360	0	3	0 OCC	3555 39000
	Sus. + E4		2	360	0	1	0 OCC	3553 39000
	Max P						H00P	7048 37440
A19 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	2	1427	1	0	791 SUST	4143 39000
	Amb to T1		6	4643	1	5863	2572 DISP	8435 50307

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	2	1428	0	1	0	OCC	4144	39000
	Sus. + E2	2	1430	0	3	1	OCC	4148	39000
	Sus. + E3	2	1430	0	3	1	OCC	4148	39000
	Sus. + E4	2	1428	0	1	0	OCC	4144	39000
	Max P						H00P	7048	37440
A19 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	1427	1	0	791	SUST	4144	39000
	Amb to T1	6	4643	1	5861	2572	DISP	8433	50306
	Sus. + E1	2	1428	0	1	0	OCC	4145	39000
	Sus. + E2	2	1430	0	3	1	OCC	4148	39000
	Sus. + E3	2	1430	0	3	1	OCC	4148	39000
	Sus. + E4	2	1428	0	1	0	OCC	4145	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	359	1	0	199	SUST	3552	39000
	Amb to T1	5	1167	1	5861	646	DISP	6508	50898
	Sus. + E1	2	360	0	1	0	OCC	3553	39000
	Sus. + E2	2	359	0	3	0	OCC	3555	39000
	Sus. + E3	2	359	0	3	0	OCC	3555	39000
	Sus. + E4	2	360	0	1	0	OCC	3553	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	359	1	0	199	SUST	3552	39000
	Amb to T1	5	1167	1	5860	646	DISP	6507	50898
	Sus. + E1	2	360	0	1	0	OCC	3553	39000
	Sus. + E2	2	359	0	3	0	OCC	3556	39000
	Sus. + E3	2	359	0	3	0	OCC	3556	39000
	Sus. + E4	2	360	0	1	0	OCC	3553	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	158	1	0	87	SUST	3441	39000
	Amb to T1	3	513	1	5860	284	DISP	6144	51009
	Sus. + E1	1	158	0	1	0	OCC	3442	39000
	Sus. + E2	1	158	0	3	0	OCC	3444	39000
	Sus. + E3	1	158	0	3	0	OCC	3444	39000
	Sus. + E4	1	158	0	1	0	OCC	3442	39000
	Max P						HOOB	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	158	1	0	87	SUST	3441	39000
	Amb to T1	3	513	1	5859	284	DISP	6143	51009
	Sus. + E1	1	158	0	1	0	OCC	3442	39000
	Sus. + E2	1	158	0	3	0	OCC	3444	39000
	Sus. + E3	1	158	0	3	0	OCC	3444	39000
	Sus. + E4	1	158	0	1	0	OCC	3442	39000
	Max P						HOOB	7048	37440
+3 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	310	1	0	172	SUST	3526	39000
	Amb to T1	1	1009	1	5859	559	DISP	6418	50924
	Sus. + E1	0	310	0	1	0	OCC	3527	39000
	Sus. + E2	0	311	0	3	0	OCC	3529	39000
	Sus. + E3	0	311	0	3	0	OCC	3529	39000
	Sus. + E4	0	310	0	1	0	OCC	3527	39000
	Max P						HOOB	7048	37440
+3 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	310	1	0	172	SUST	3526	39000
	Amb to T1	1	1009	1	5858	559	DISP	6417	50924

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	310	0	1	0	OCC	3527 39000
	Sus. + E2	0	311	0	3	0	OCC	3530 39000
	Sus. + E3	0	311	0	3	0	OCC	3530 39000
	Sus. + E4	0	310	0	1	0	OCC	3527 39000
	Max P						H00P	7048 37440
+4 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	277	1	0	153	SUST	3508 39000
	Amb to T1	0	901	1	5858	499	DISP	6357 50942
	Sus. + E1	0	277	0	1	0	OCC	3509 39000
	Sus. + E2	0	278	0	3	0	OCC	3511 39000
	Sus. + E3	0	278	0	3	0	OCC	3511 39000
	Sus. + E4	0	277	0	1	0	OCC	3509 39000
	Max P						H00P	7048 37440
+4 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	277	1	0	153	SUST	3508 39000
	Amb to T1	0	901	1	5856	499	DISP	6355 50942
	Sus. + E1	0	277	0	1	0	OCC	3509 39000
	Sus. + E2	0	278	0	3	0	OCC	3512 39000
	Sus. + E3	0	278	0	3	0	OCC	3512 39000
	Sus. + E4	0	277	0	1	0	OCC	3509 39000
	Max P						H00P	7048 37440
+5 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	184	1	0	102	SUST	3457 39000
	Amb to T1	0	599	1	5856	332	DISP	6188 50993
	Sus. + E1	0	184	0	1	0	OCC	3458 39000
	Sus. + E2	0	185	0	3	0	OCC	3460 39000
	Sus. + E3	0	185	0	3	0	OCC	3460 39000
	Sus. + E4	0	184	0	1	0	OCC	3458 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	184	1	0	102 SUST	3458 39000
	Amb to T1		0	599	1	5854	332 DISP	6185 50992
	Sus. + E1		0	184	0	1	0 OCC	3458 39000
	Sus. + E2		0	185	0	3	0 OCC	3461 39000
	Sus. + E3		0	185	0	3	0 OCC	3461 39000
	Sus. + E4		0	184	0	1	0 OCC	3458 39000
	Max P						H00P	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3414 39000
	Amb to T1		0	346	1	5854	192 DISP	6045 51036
	Sus. + E1		0	106	0	1	0 OCC	3415 39000
	Sus. + E2		0	107	0	3	0 OCC	3418 39000
	Sus. + E3		0	107	0	3	0 OCC	3418 39000
	Sus. + E4		0	106	0	1	0 OCC	3415 39000
	Max P						H00P	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	106	1	0	59 SUST	3415 39000
	Amb to T1		0	346	1	5851	192 DISP	6043 51035
	Sus. + E1		0	106	0	1	0 OCC	3416 39000
	Sus. + E2		0	107	0	3	0 OCC	3418 39000
	Sus. + E3		0	107	0	3	0 OCC	3418 39000
	Sus. + E4		0	106	0	1	0 OCC	3416 39000
	Max P						H00P	7048 37440
+7 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	76	1	0	42 SUST	3399 39000
	Amb to T1		0	248	1	5851	138 DISP	5988 51051

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	0	76	0	1	0	OCC	3400	39000		
	Sus. + E2	0	76	0	3	0	OCC	3402	39000		
	Sus. + E3	0	76	0	3	0	OCC	3402	39000		
	Sus. + E4	0	76	0	1	0	OCC	3400	39000		
	Max P						H00P	7048	37440		
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	76	1	0	42	SUST	3400	39000
	Amb to T1	0	248	1	5848	138	DISP	5985	51050		
	Sus. + E1	0	76	0	1	0	OCC	3400	39000		
	Sus. + E2	0	76	0	3	0	OCC	3403	39000		
	Sus. + E3	0	76	0	3	0	OCC	3403	39000		
	Sus. + E4	0	76	0	1	0	OCC	3400	39000		
	Max P						H00P	7048	37440		
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		0	105	1	0	58	SUST	3416	39000
	Amb to T1	0	342	1	5848	190	DISP	6038	51034		
	Sus. + E1	0	105	0	1	0	OCC	3417	39000		
	Sus. + E2	0	105	0	3	0	OCC	3419	39000		
	Sus. + E3	0	105	0	3	0	OCC	3419	39000		
	Sus. + E4	0	105	0	1	0	OCC	3416	39000		
	Max P						H00P	7048	37440		
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		0	105	1	0	58	SUST	3417	39000
	Amb to T1	0	342	1	5844	190	DISP	6034	51033		
	Sus. + E1	0	105	0	1	0	OCC	3418	39000		
	Sus. + E2	0	105	0	3	0	OCC	3420	39000		
	Sus. + E3	0	105	0	3	0	OCC	3420	39000		
	Sus. + E4	0	105	0	1	0	OCC	3418	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+9 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	183	1	0	101 SUST	3460	39000
	Amb to T1	0	596	1	5844	330 DISP	6174	50990
	Sus. + E1	0	183	0	1	0 OCC	3461	39000
	Sus. + E2	0	183	0	3	0 OCC	3463	39000
	Sus. + E3	0	183	0	3	0 OCC	3463	39000
	Sus. + E4	0	183	0	1	0 OCC	3461	39000
	Max P						H00P	7048 37440
+9 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	183	1	0	101 SUST	3461	39000
	Amb to T1	0	596	1	5841	330 DISP	6171	50989
	Sus. + E1	0	183	0	1	0 OCC	3462	39000
	Sus. + E2	0	183	0	3	0 OCC	3464	39000
	Sus. + E3	0	183	0	3	0 OCC	3464	39000
	Sus. + E4	0	183	0	1	0 OCC	3462	39000
	Max P						H00P	7048 37440
+10 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	274	1	0	152 SUST	3511	39000
	Amb to T1	0	892	1	5841	494 DISP	6335	50939
	Sus. + E1	0	275	0	1	0 OCC	3512	39000
	Sus. + E2	0	275	0	3	0 OCC	3515	39000
	Sus. + E3	0	275	0	3	0 OCC	3515	39000
	Sus. + E4	0	275	0	1	0 OCC	3512	39000
	Max P						H00P	7048 37440
+10 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	274	1	0	152 SUST	3513	39000
	Amb to T1	0	892	1	5836	494 DISP	6330	50937

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	275	0	1	0	OCC	3514 39000
	Sus. + E2	0	275	0	3	0	OCC	3516 39000
	Sus. + E3	0	275	0	3	0	OCC	3516 39000
	Sus. + E4	0	275	0	1	0	OCC	3514 39000
	Max P						H00P	7048 37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	307	1	0	170	SUST	3531 39000
	Amb to T1	1	999	1	5836	553	DISP	6390 50919
	Sus. + E1	0	308	0	1	0	OCC	3532 39000
	Sus. + E2	0	308	0	3	0	OCC	3534 39000
	Sus. + E3	0	308	0	3	0	OCC	3534 39000
	Sus. + E4	0	308	0	1	0	OCC	3532 39000
	Max P						H00P	7048 37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	307	1	0	170	SUST	3532 39000
	Amb to T1	1	999	1	5832	553	DISP	6385 50918
	Sus. + E1	0	308	0	1	0	OCC	3533 39000
	Sus. + E2	0	308	0	3	0	OCC	3536 39000
	Sus. + E3	0	308	0	3	0	OCC	3536 39000
	Sus. + E4	0	308	0	1	0	OCC	3533 39000
	Max P						H00P	7048 37440
+12 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	156	1	0	86	SUST	3448 39000
	Amb to T1	3	507	1	5832	281	DISP	6113 51002
	Sus. + E1	1	156	0	1	0	OCC	3450 39000
	Sus. + E2	1	156	0	3	0	OCC	3452 39000
	Sus. + E3	1	156	0	3	0	OCC	3452 39000
	Sus. + E4	1	156	0	1	0	OCC	3450 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+12 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	156	1	0	86 SUST	3450	39000
	Amb to T1		3	507	1	5827	281 DISP	6108	51000
	Sus. + E1		1	156	0	1	0 OCC	3451	39000
	Sus. + E2		1	156	0	3	0 OCC	3453	39000
	Sus. + E3		1	156	0	3	0 OCC	3453	39000
	Sus. + E4		1	156	0	1	0 OCC	3451	39000
	Max P						HOOB	7048	37440
+13 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	1	357	1	0	198 SUST	3562	39000
	Amb to T1		5	1162	1	5827	643 DISP	6470	50888
	Sus. + E1		1	358	0	1	0 OCC	3563	39000
	Sus. + E2		1	358	0	3	0 OCC	3565	39000
	Sus. + E3		1	358	0	3	0 OCC	3565	39000
	Sus. + E4		1	358	0	1	0 OCC	3563	39000
	Max P						HOOB	7048	37440
+13 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	357	1	0	198 SUST	3563	39000
	Amb to T1		5	1162	1	5821	643 DISP	6465	50887
	Sus. + E1		1	358	0	1	0 OCC	3564	39000
	Sus. + E2		1	358	0	3	0 OCC	3567	39000
	Sus. + E3		1	358	0	3	0 OCC	3567	39000
	Sus. + E4		1	358	0	1	0 OCC	3564	39000
	Max P						HOOB	7048	37440
A20 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	2	1417	1	0	785 SUST	4150	39000
	Amb to T1		6	4609	1	5821	2553 DISP	8374	50300

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	2	1418	0	1	0	OCC	4151	39000
	Sus. + E2	2	1420	0	3	1	OCC	4155	39000
	Sus. + E3	2	1419	0	3	1	OCC	4155	39000
	Sus. + E4	2	1418	0	1	0	OCC	4151	39000
	Max P						H00P	7048	37440
A20 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	1417	1	0	785	SUST	4151	39000
	Amb to T1	6	4609	1	5817	2553	DISP	8370	50299
	Sus. + E1	2	1418	0	1	0	OCC	4153	39000
	Sus. + E2	2	1420	0	3	1	OCC	4156	39000
	Sus. + E3	2	1419	0	3	1	OCC	4156	39000
	Sus. + E4	2	1418	0	1	0	OCC	4153	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	356	1	0	197	SUST	3564	39000
	Amb to T1	5	1157	1	5817	641	DISP	6458	50886
	Sus. + E1	2	356	0	1	0	OCC	3565	39000
	Sus. + E2	2	356	0	3	0	OCC	3567	39000
	Sus. + E3	1	356	0	3	0	OCC	3567	39000
	Sus. + E4	1	356	0	1	0	OCC	3565	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	356	1	0	197	SUST	3565	39000
	Amb to T1	5	1157	1	5815	641	DISP	6455	50885
	Sus. + E1	2	356	0	1	0	OCC	3566	39000
	Sus. + E2	2	356	0	3	0	OCC	3568	39000
	Sus. + E3	1	356	0	3	0	OCC	3568	39000
	Sus. + E4	1	356	0	1	0	OCC	3566	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P									
	Amb to T1	1	157	1	0	87	SUST	3454	39000
	Sus. + E1	3	509	1	5815	282	DISP	6097	50996
	Sus. + E2	1	157	0	1	0	OCC	3455	39000
	Sus. + E3	1	157	0	3	0	OCC	3458	39000
	Sus. + E4	1	157	0	1	0	OCC	3455	39000
	Max P						HOOB	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P									
	Amb to T1	1	157	1	0	87	SUST	3455	39000
	Sus. + E1	3	509	1	5811	282	DISP	6093	50995
	Sus. + E2	1	157	0	1	0	OCC	3456	39000
	Sus. + E3	1	157	0	3	0	OCC	3459	39000
	Sus. + E4	1	157	0	1	0	OCC	3456	39000
	Max P						HOOB	7048	37440
+3 - SIFI= 1.00 UNREST GR + Max P									
	Amb to T1	0	308	1	0	171	SUST	3539	39000
	Sus. + E1	1	1002	1	5811	555	DISP	6366	50911
	Sus. + E2	0	308	0	1	0	OCC	3540	39000
	Sus. + E3	0	309	0	3	0	OCC	3543	39000
	Sus. + E4	0	309	0	3	0	OCC	3543	39000
	Sus. + E4	0	308	0	1	0	OCC	3540	39000
	Max P						HOOB	7048	37440
+3 + SIFI= 1.00 UNREST GR + Max P									
	Amb to T1	0	308	1	0	171	SUST	3540	39000
	Sus. + E1	1	1002	1	5808	555	DISP	6363	50910

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	0	308	0	1	0	OCC	3541	39000
	Sus. + E2	0	309	0	3	0	OCC	3544	39000
	Sus. + E3	0	309	0	3	0	OCC	3544	39000
	Sus. + E4	0	308	0	1	0	OCC	3541	39000
	Max P						H00P	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P		0	275	1	0	153	SUST	3522	39000
	Amb to T1	0	896	1	5808	496	DISP	6304	50928
	Sus. + E1	0	276	0	1	0	OCC	3523	39000
	Sus. + E2	0	276	0	3	0	OCC	3526	39000
	Sus. + E3	0	276	0	3	0	OCC	3526	39000
	Sus. + E4	0	276	0	1	0	OCC	3523	39000
	Max P						H00P	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P		0	275	1	0	153	SUST	3523	39000
	Amb to T1	0	896	1	5804	496	DISP	6300	50927
	Sus. + E1	0	276	0	1	0	OCC	3524	39000
	Sus. + E2	0	276	0	3	0	OCC	3527	39000
	Sus. + E3	0	276	0	3	0	OCC	3527	39000
	Sus. + E4	0	276	0	1	0	OCC	3524	39000
	Max P						H00P	7048	37440
+5 - SIFI= 1.00 UNREST GR + Max P		0	183	1	0	101	SUST	3472	39000
	Amb to T1	0	596	1	5804	330	DISP	6133	50978
	Sus. + E1	0	183	0	1	0	OCC	3473	39000
	Sus. + E2	0	184	0	3	0	OCC	3476	39000
	Sus. + E3	0	184	0	3	0	OCC	3476	39000
	Sus. + E4	0	183	0	1	0	OCC	3473	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	183	1	0	101 SUST	3474 39000
	Amb to T1		0	596	1	5799	330 DISP	6129 50976
	Sus. + E1		0	183	0	1	0 OCC	3475 39000
	Sus. + E2		0	184	0	3	0 OCC	3477 39000
	Sus. + E3		0	184	0	3	0 OCC	3477 39000
	Sus. + E4		0	183	0	1	0 OCC	3475 39000
	Max P						H00P	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	105	1	0	58 SUST	3431 39000
	Amb to T1		0	343	1	5799	190 DISP	5989 51019
	Sus. + E1		0	105	0	1	0 OCC	3432 39000
	Sus. + E2		0	106	0	3	0 OCC	3434 39000
	Sus. + E3		0	106	0	3	0 OCC	3434 39000
	Sus. + E4		0	105	0	1	0 OCC	3431 39000
	Max P						H00P	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	105	1	0	58 SUST	3432 39000
	Amb to T1		0	343	1	5794	190 DISP	5984 51018
	Sus. + E1		0	105	0	1	0 OCC	3433 39000
	Sus. + E2		0	106	0	3	0 OCC	3436 39000
	Sus. + E3		0	106	0	3	0 OCC	3436 39000
	Sus. + E4		0	105	0	1	0 OCC	3433 39000
	Max P						H00P	7048 37440
+7 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	76	1	0	42 SUST	3416 39000
	Amb to T1		0	247	1	5794	137 DISP	5931 51034

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	0	76	0	1	0	OCC	3417	39000
	Sus. + E2	0	76	0	3	0	OCC	3419	39000
	Sus. + E3	0	76	0	3	0	OCC	3419	39000
	Sus. + E4	0	76	0	1	0	OCC	3417	39000
	Max P						H00P	7048	37440
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	76	1	0	42 SUST	3418	39000
	Amb to T1		0	247	1	5788	137 DISP	5925	51032
	Sus. + E1		0	76	0	1	0 OCC	3419	39000
	Sus. + E2		0	76	0	3	0 OCC	3421	39000
	Sus. + E3		0	76	0	3	0 OCC	3421	39000
	Sus. + E4		0	76	0	1	0 OCC	3418	39000
	Max P						H00P	7048	37440
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	104	1	0	58 SUST	3433	39000
	Amb to T1		0	338	1	5788	187 DISP	5976	51017
	Sus. + E1		0	104	0	1	0 OCC	3434	39000
	Sus. + E2		0	104	0	3	0 OCC	3436	39000
	Sus. + E3		0	104	0	3	0 OCC	3436	39000
	Sus. + E4		0	104	0	1	0 OCC	3434	39000
	Max P						H00P	7048	37440
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	104	1	0	58 SUST	3435	39000
	Amb to T1		0	338	1	5782	187 DISP	5970	51015
	Sus. + E1		0	104	0	1	0 OCC	3436	39000
	Sus. + E2		0	104	0	3	0 OCC	3438	39000
	Sus. + E3		0	104	0	3	0 OCC	3438	39000
	Sus. + E4		0	104	0	1	0 OCC	3436	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+9 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	180	1	0	100 SUST	3477	39000
	Amb to T1	0	586	1	5782	325 DISP	6107	50973
	Sus. + E1	0	180	0	1	0 OCC	3478	39000
	Sus. + E2	0	180	0	3	0 OCC	3481	39000
	Sus. + E3	0	180	0	3	0 OCC	3481	39000
	Sus. + E4	0	180	0	1	0 OCC	3478	39000
	Max P						H00P	7048 37440
+9 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	180	1	0	100 SUST	3479	39000
	Amb to T1	0	586	1	5776	325 DISP	6101	50971
	Sus. + E1	0	180	0	1	0 OCC	3480	39000
	Sus. + E2	0	180	0	3	0 OCC	3483	39000
	Sus. + E3	0	180	0	3	0 OCC	3483	39000
	Sus. + E4	0	180	0	1	0 OCC	3480	39000
	Max P						H00P	7048 37440
+10 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	270	1	0	150 SUST	3529	39000
	Amb to T1	0	879	1	5776	487 DISP	6263	50921
	Sus. + E1	0	270	0	1	0 OCC	3530	39000
	Sus. + E2	0	271	0	3	0 OCC	3532	39000
	Sus. + E3	0	270	0	3	0 OCC	3532	39000
	Sus. + E4	0	270	0	1	0 OCC	3530	39000
	Max P						H00P	7048 37440
+10 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	270	1	0	150 SUST	3531	39000
	Amb to T1	0	879	1	5769	487 DISP	6256	50919

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	0	270	0	1	0	OCC	3532	39000
	Sus. + E2	0	271	0	3	0	OCC	3535	39000
	Sus. + E3	0	270	0	3	0	OCC	3535	39000
	Sus. + E4	0	270	0	1	0	OCC	3532	39000
	Max P						H00P	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	303	1	0	168	SUST	3549	39000
	Amb to T1	1	985	1	5769	545	DISP	6314	50901
	Sus. + E1	0	303	0	1	0	OCC	3550	39000
	Sus. + E2	0	303	0	3	0	OCC	3553	39000
	Sus. + E3	0	303	0	3	0	OCC	3553	39000
	Sus. + E4	0	303	0	1	0	OCC	3550	39000
	Max P						H00P	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	303	1	0	168	SUST	3551	39000
	Amb to T1	1	985	1	5762	545	DISP	6307	50899
	Sus. + E1	0	303	0	1	0	OCC	3553	39000
	Sus. + E2	0	303	0	3	0	OCC	3555	39000
	Sus. + E3	0	303	0	3	0	OCC	3555	39000
	Sus. + E4	0	303	0	1	0	OCC	3553	39000
	Max P						H00P	7048	37440
+12 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	153	1	0	85	SUST	3469	39000
	Amb to T1	2	499	1	5762	277	DISP	6038	50981
	Sus. + E1	1	154	0	1	0	OCC	3470	39000
	Sus. + E2	1	154	0	3	0	OCC	3472	39000
	Sus. + E3	1	154	0	3	0	OCC	3472	39000
	Sus. + E4	1	154	0	1	0	OCC	3470	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+12 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	153	1	0	85 SUST	3471 39000
	Amb to T1		2	499	1	5754	277 DISP	6030 50979
	Sus. + E1		1	154	0	1	0 OCC	3472 39000
	Sus. + E2		1	154	0	3	0 OCC	3475 39000
	Sus. + E3		1	154	0	3	0 OCC	3475 39000
	Sus. + E4		1	154	0	1	0 OCC	3472 39000
	Max P						H00P	7048 37440
+13 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	1	353	1	0	195 SUST	3582 39000
	Amb to T1		4	1148	1	5754	636 DISP	6389 50868
	Sus. + E1		1	353	0	1	0 OCC	3583 39000
	Sus. + E2		1	354	0	3	0 OCC	3585 39000
	Sus. + E3		1	354	0	3	0 OCC	3585 39000
	Sus. + E4		1	353	0	1	0 OCC	3583 39000
	Max P						H00P	7048 37440
+13 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	353	1	0	195 SUST	3584 39000
	Amb to T1		4	1148	1	5745	636 DISP	6381 50866
	Sus. + E1		1	353	0	1	0 OCC	3585 39000
	Sus. + E2		1	354	0	3	0 OCC	3588 39000
	Sus. + E3		1	354	0	3	0 OCC	3588 39000
	Sus. + E4		1	353	0	1	0 OCC	3585 39000
	Max P						H00P	7048 37440
A21 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	1	1398	1	0	774 SUST	4163 39000
	Amb to T1		5	4547	1	5745	2519 DISP	8264 50287

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	1	1398	0	1	0	OCC	4164	39000
	Sus. + E2	1	1400	0	3	1	OCC	4168	39000
	Sus. + E3	1	1400	0	3	1	OCC	4168	39000
	Sus. + E4	1	1398	0	1	0	OCC	4164	39000
	Max P						H00P	7048	37440
A21 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	1398	1	0	774	SUST	4165	39000
	Amb to T1	5	4547	1	5738	2519	DISP	8257	50285
	Sus. + E1	2	1398	0	1	0	OCC	4166	39000
	Sus. + E2	2	1400	0	3	1	OCC	4170	39000
	Sus. + E3	1	1400	0	3	1	OCC	4170	39000
	Sus. + E4	1	1398	0	1	0	OCC	4166	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	351	1	0	194	SUST	3586	39000
	Amb to T1	4	1142	1	5738	632	DISP	6370	50864
	Sus. + E1	1	352	0	1	0	OCC	3587	39000
	Sus. + E2	1	351	0	3	0	OCC	3589	39000
	Sus. + E3	1	351	0	3	0	OCC	3589	39000
	Sus. + E4	1	352	0	1	0	OCC	3587	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	351	1	0	194	SUST	3587	39000
	Amb to T1	4	1142	1	5732	632	DISP	6364	50863
	Sus. + E1	1	352	0	1	0	OCC	3588	39000
	Sus. + E2	1	351	0	3	0	OCC	3591	39000
	Sus. + E3	1	351	0	3	0	OCC	3591	39000
	Sus. + E4	1	352	0	1	0	OCC	3588	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	155	1	0	86 SUST	3479	39000
	Amb to T1	2	504	1	5732	279 DISP	6011	50971
	Sus. + E1	1	156	0	1	0 OCC	3480	39000
	Sus. + E2	1	155	0	3	0 OCC	3482	39000
	Sus. + E3	1	155	0	3	0 OCC	3482	39000
	Sus. + E4	1	156	0	1	0 OCC	3480	39000
	Max P						H00P	7048 37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	155	1	0	86 SUST	3481	39000
	Amb to T1	2	504	1	5725	279 DISP	6005	50969
	Sus. + E1	1	156	0	1	0 OCC	3482	39000
	Sus. + E2	1	155	0	3	0 OCC	3484	39000
	Sus. + E3	1	155	0	3	0 OCC	3484	39000
	Sus. + E4	1	156	0	1	0 OCC	3482	39000
	Max P						H00P	7048 37440
+3 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	305	1	0	169 SUST	3564	39000
	Amb to T1	1	991	1	5725	549 DISP	6274	50886
	Sus. + E1	0	305	0	1	0 OCC	3565	39000
	Sus. + E2	0	305	0	3	0 OCC	3567	39000
	Sus. + E3	0	305	0	3	0 OCC	3567	39000
	Sus. + E4	0	305	0	1	0 OCC	3565	39000
	Max P						H00P	7048 37440
+3 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	305	1	0	169 SUST	3566	39000
	Amb to T1	1	991	1	5718	549 DISP	6267	50884

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	0	305	0	1	0	OCC	3567	39000
	Sus. + E2	0	305	0	3	0	OCC	3570	39000
	Sus. + E3	0	305	0	3	0	OCC	3570	39000
	Sus. + E4	0	305	0	1	0	OCC	3567	39000
	Max P						H00P	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P		0	272	1	0	151	SUST	3548	39000
	Amb to T1	0	885	1	5718	490	DISP	6208	50902
	Sus. + E1	0	272	0	1	0	OCC	3549	39000
	Sus. + E2	0	272	0	3	0	OCC	3551	39000
	Sus. + E3	0	272	0	3	0	OCC	3551	39000
	Sus. + E4	0	272	0	1	0	OCC	3549	39000
	Max P						H00P	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P		0	272	1	0	151	SUST	3550	39000
	Amb to T1	0	885	1	5710	490	DISP	6200	50900
	Sus. + E1	0	272	0	1	0	OCC	3551	39000
	Sus. + E2	0	272	0	3	0	OCC	3554	39000
	Sus. + E3	0	272	0	3	0	OCC	3554	39000
	Sus. + E4	0	272	0	1	0	OCC	3551	39000
	Max P						H00P	7048	37440
+5 - SIFI= 1.00 UNREST GR + Max P		0	181	1	0	100	SUST	3500	39000
	Amb to T1	0	589	1	5710	326	DISP	6037	50950
	Sus. + E1	0	181	0	1	0	OCC	3501	39000
	Sus. + E2	0	181	0	3	0	OCC	3503	39000
	Sus. + E3	0	181	0	3	0	OCC	3503	39000
	Sus. + E4	0	181	0	1	0	OCC	3501	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						HOOB	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	181	1	0	100 SUST	3503 39000
	Amb to T1		0	589	1	5702	326 DISP	6028 50947
	Sus. + E1		0	181	0	1	0 OCC	3503 39000
	Sus. + E2		0	181	0	3	0 OCC	3506 39000
	Sus. + E3		0	181	0	3	0 OCC	3506 39000
	Sus. + E4		0	181	0	1	0 OCC	3503 39000
	Max P						HOOB	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	104	1	0	58 SUST	3460 39000
	Amb to T1		0	338	1	5702	187 DISP	5889 50990
	Sus. + E1		0	104	0	1	0 OCC	3461 39000
	Sus. + E2		0	104	0	3	0 OCC	3463 39000
	Sus. + E3		0	104	0	3	0 OCC	3463 39000
	Sus. + E4		0	104	0	1	0 OCC	3460 39000
	Max P						HOOB	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	104	1	0	58 SUST	3463 39000
	Amb to T1		0	338	1	5693	187 DISP	5880 50987
	Sus. + E1		0	104	0	1	0 OCC	3463 39000
	Sus. + E2		0	104	0	3	0 OCC	3466 39000
	Sus. + E3		0	104	0	3	0 OCC	3466 39000
	Sus. + E4		0	104	0	1	0 OCC	3463 39000
	Max P						HOOB	7048 37440
+7 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	74	1	0	41 SUST	3446 39000
	Amb to T1		0	241	1	5693	133 DISP	5826 51004

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	74	0	1	0	OCC	3447 39000
	Sus. + E2	0	74	0	3	0	OCC	3449 39000
	Sus. + E3	0	74	0	3	0	OCC	3449 39000
	Sus. + E4	0	74	0	1	0	OCC	3447 39000
	Max P						H00P	7048 37440
+7	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	74	1	0	41 SUST	3449 39000
	Amb to T1		0	241	1	5683	133 DISP	5817 51001
	Sus. + E1		0	74	0	1	0 OCC	3450 39000
	Sus. + E2		0	74	0	3	0 OCC	3452 39000
	Sus. + E3		0	74	0	3	0 OCC	3452 39000
	Sus. + E4		0	74	0	1	0 OCC	3450 39000
	Max P						H00P	7048 37440
+8	- SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	102	1	0	56 SUST	3464 39000
	Amb to T1		0	331	1	5683	183 DISP	5867 50986
	Sus. + E1		0	102	0	1	0 OCC	3465 39000
	Sus. + E2		0	102	0	3	0 OCC	3468 39000
	Sus. + E3		0	102	0	3	0 OCC	3468 39000
	Sus. + E4		0	102	0	1	0 OCC	3465 39000
	Max P						H00P	7048 37440
+8	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	102	1	0	56 SUST	3468 39000
	Amb to T1		0	331	1	5673	183 DISP	5857 50982
	Sus. + E1		0	102	0	1	0 OCC	3468 39000
	Sus. + E2		0	102	0	3	0 OCC	3471 39000
	Sus. + E3		0	102	0	3	0 OCC	3471 39000
	Sus. + E4		0	102	0	1	0 OCC	3468 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P					HOOB	7048	37440
+9 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	176	1	0	97 SUST	3508 39000
	Amb to T1		0	572	1	5673	317 DISP	5990 50942
	Sus. + E1		0	176	0	1	0 OCC	3509 39000
	Sus. + E2		0	176	0	3	0 OCC	3512 39000
	Sus. + E3		0	176	0	3	0 OCC	3512 39000
	Sus. + E4		0	176	0	1	0 OCC	3509 39000
	Max P					HOOB	7048	37440
+9 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	176	1	0	97 SUST	3512 39000
	Amb to T1		0	572	1	5663	317 DISP	5979 50938
	Sus. + E1		0	176	0	1	0 OCC	3513 39000
	Sus. + E2		0	176	0	3	0 OCC	3515 39000
	Sus. + E3		0	176	0	3	0 OCC	3515 39000
	Sus. + E4		0	176	0	1	0 OCC	3513 39000
	Max P					HOOB	7048	37440
+10 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	0	263	1	0	146 SUST	3560 39000
	Amb to T1		0	857	1	5663	475 DISP	6137 50890
	Sus. + E1		0	264	0	1	0 OCC	3561 39000
	Sus. + E2		0	264	0	3	0 OCC	3564 39000
	Sus. + E3		0	264	0	3	0 OCC	3564 39000
	Sus. + E4		0	264	0	1	0 OCC	3561 39000
	Max P					HOOB	7048	37440
+10 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	263	1	0	146 SUST	3564 39000
	Amb to T1		0	857	1	5651	475 DISP	6126 50886

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	0	264	0	1	0	OCC	3565 39000
	Sus. + E2	0	264	0	3	0	OCC	3567 39000
	Sus. + E3	0	264	0	3	0	OCC	3567 39000
	Sus. + E4	0	264	0	1	0	OCC	3565 39000
	Max P						H00P	7048 37440
+11 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	295	1	0	163	SUST	3581 39000
	Amb to T1	1	958	1	5651	531	DISP	6182 50869
	Sus. + E1	0	295	0	1	0	OCC	3582 39000
	Sus. + E2	0	295	0	3	0	OCC	3585 39000
	Sus. + E3	0	295	0	3	0	OCC	3585 39000
	Sus. + E4	0	295	0	1	0	OCC	3582 39000
	Max P						H00P	7048 37440
+11 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	295	1	0	163	SUST	3585 39000
	Amb to T1	1	958	1	5639	531	DISP	6170 50865
	Sus. + E1	0	295	0	1	0	OCC	3586 39000
	Sus. + E2	0	295	0	3	0	OCC	3588 39000
	Sus. + E3	0	295	0	3	0	OCC	3588 39000
	Sus. + E4	0	295	0	1	0	OCC	3586 39000
	Max P						H00P	7048 37440
+12 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	149	1	0	83	SUST	3504 39000
	Amb to T1	2	485	1	5639	269	DISP	5908 50946
	Sus. + E1	0	150	0	1	0	OCC	3505 39000
	Sus. + E2	0	149	0	3	0	OCC	3508 39000
	Sus. + E3	0	149	0	3	0	OCC	3508 39000
	Sus. + E4	0	150	0	1	0	OCC	3505 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+12 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	0	149	1	0	83 SUST	3508	39000
	Amb to T1		2	485	1	5626	269 DISP	5895	50942
	Sus. + E1		0	150	0	1	0 OCC	3509	39000
	Sus. + E2		0	149	0	3	0 OCC	3512	39000
	Sus. + E3		0	149	0	3	0 OCC	3512	39000
	Sus. + E4		0	150	0	1	0 OCC	3509	39000
	Max P						HOOB	7048	37440
+13 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	1	345	1	0	191 SUST	3617	39000
	Amb to T1		4	1122	1	5626	621 DISP	6247	50833
	Sus. + E1		1	345	0	1	0 OCC	3617	39000
	Sus. + E2		1	345	0	3	0 OCC	3620	39000
	Sus. + E3		1	345	0	3	0 OCC	3620	39000
	Sus. + E4		1	345	0	1	0 OCC	3617	39000
	Max P						HOOB	7048	37440
+13 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	345	1	0	191 SUST	3621	39000
	Amb to T1		4	1122	1	5613	621 DISP	6234	50829
	Sus. + E1		1	345	0	1	0 OCC	3622	39000
	Sus. + E2		1	345	0	3	0 OCC	3624	39000
	Sus. + E3		1	345	0	3	0 OCC	3624	39000
	Sus. + E4		1	345	0	1	0 OCC	3622	39000
	Max P						HOOB	7048	37440
A22 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	1	1365	1	0	756 SUST	4186	39000
	Amb to T1		5	4440	1	5613	2459 DISP	8072	50264

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	1	1365	0	1	0	OCC	4187	39000
	Sus. + E2	1	1367	0	3	1	OCC	4190	39000
	Sus. + E3	1	1367	0	3	1	OCC	4190	39000
	Sus. + E4	1	1365	0	1	0	OCC	4187	39000
	Max P						H00P	7048	37440
A22 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	1365	0	0	756	SUST	4190	39000
	Amb to T1	5	4440	0	5600	2459	DISP	8059	50260
	Sus. + E1	1	1365	0	1	0	OCC	4190	39000
	Sus. + E2	1	1367	0	3	1	OCC	4194	39000
	Sus. + E3	1	1367	0	3	1	OCC	4194	39000
	Sus. + E4	1	1365	0	1	0	OCC	4190	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	342	0	0	189	SUST	3623	39000
	Amb to T1	4	1113	0	5600	616	DISP	6216	50827
	Sus. + E1	1	343	0	1	0	OCC	3624	39000
	Sus. + E2	1	343	0	3	0	OCC	3627	39000
	Sus. + E3	1	343	0	3	0	OCC	3627	39000
	Sus. + E4	1	343	0	1	0	OCC	3624	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	342	0	0	189	SUST	3627	39000
	Amb to T1	4	1113	0	5588	616	DISP	6205	50823
	Sus. + E1	1	343	0	1	0	OCC	3628	39000
	Sus. + E2	1	343	0	3	0	OCC	3630	39000
	Sus. + E3	1	343	0	3	0	OCC	3630	39000
	Sus. + E4	1	343	0	1	0	OCC	3628	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	152	0	0	84	SUST	3522	39000
	Amb to T1	3	495	0	5588	274	DISP	5863	50928
	Sus. + E1	1	153	0	1	0	OCC	3522	39000
	Sus. + E2	1	153	0	3	0	OCC	3525	39000
	Sus. + E3	1	153	0	3	0	OCC	3525	39000
	Sus. + E4	1	153	0	1	0	OCC	3522	39000
	Max P						HOOB	7048	37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	1	152	0	0	84	SUST	3525	39000
	Amb to T1	3	495	0	5576	274	DISP	5850	50925
	Sus. + E1	1	153	0	1	0	OCC	3526	39000
	Sus. + E2	1	153	0	3	0	OCC	3529	39000
	Sus. + E3	1	153	0	3	0	OCC	3529	39000
	Sus. + E4	1	153	0	0	0	OCC	3526	39000
	Max P						HOOB	7048	37440
+3 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	298	0	0	165	SUST	3606	39000
	Amb to T1	1	968	0	5576	536	DISP	6112	50844
	Sus. + E1	0	298	0	1	0	OCC	3607	39000
	Sus. + E2	0	298	0	3	0	OCC	3610	39000
	Sus. + E3	0	298	0	3	0	OCC	3609	39000
	Sus. + E4	0	298	0	0	0	OCC	3607	39000
	Max P						HOOB	7048	37440
+3 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	0	298	0	0	165	SUST	3610	39000
	Amb to T1	1	968	0	5563	536	DISP	6099	50840

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	0	298	0	1	0	OCC	3611	39000
	Sus. + E2	0	298	0	3	0	OCC	3614	39000
	Sus. + E3	0	298	0	3	0	OCC	3614	39000
	Sus. + E4	0	298	0	0	0	OCC	3611	39000
	Max P						H00P	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P		0	266	0	0	147	SUST	3593	39000
	Amb to T1	0	866	0	5563	480	DISP	6043	50857
	Sus. + E1	0	266	0	1	0	OCC	3593	39000
	Sus. + E2	0	267	0	3	0	OCC	3596	39000
	Sus. + E3	0	267	0	3	0	OCC	3596	39000
	Sus. + E4	0	266	0	0	0	OCC	3593	39000
	Max P						H00P	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P		0	266	0	0	147	SUST	3597	39000
	Amb to T1	0	866	0	5549	480	DISP	6029	50853
	Sus. + E1	0	266	0	0	0	OCC	3598	39000
	Sus. + E2	0	267	0	3	0	OCC	3600	39000
	Sus. + E3	0	267	0	3	0	OCC	3600	39000
	Sus. + E4	0	266	0	0	0	OCC	3598	39000
	Max P						H00P	7048	37440
+5 - SIFI= 1.00 UNREST GR + Max P		1	177	0	0	98	SUST	3548	39000
	Amb to T1	2	577	0	5549	320	DISP	5869	50902
	Sus. + E1	1	177	0	0	0	OCC	3548	39000
	Sus. + E2	1	178	0	3	0	OCC	3551	39000
	Sus. + E3	1	178	0	3	0	OCC	3551	39000
	Sus. + E4	1	177	0	0	0	OCC	3548	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	1	177	0	0	98 SUST	3552 39000
	Amb to T1		2	577	0	5534	320 DISP	5854 50898
	Sus. + E1		1	177	0	0	0 OCC	3553 39000
	Sus. + E2		1	178	0	3	0 OCC	3556 39000
	Sus. + E3		1	178	0	3	0 OCC	3556 39000
	Sus. + E4		1	177	0	0	0 OCC	3553 39000
	Max P						H00P	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	2	102	0	0	56 SUST	3510 39000
	Amb to T1		5	331	0	5534	183 DISP	5718 50940
	Sus. + E1		2	102	0	0	0 OCC	3511 39000
	Sus. + E2		2	102	0	3	0 OCC	3514 39000
	Sus. + E3		2	102	0	3	0 OCC	3514 39000
	Sus. + E4		2	102	0	0	0 OCC	3511 39000
	Max P						H00P	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	2	102	0	0	56 SUST	3515 39000
	Amb to T1		5	331	0	5519	183 DISP	5702 50935
	Sus. + E1		2	102	0	0	0 OCC	3516 39000
	Sus. + E2		2	102	0	3	0 OCC	3518 39000
	Sus. + E3		2	102	0	3	0 OCC	3518 39000
	Sus. + E4		2	102	0	0	0 OCC	3516 39000
	Max P						H00P	7048 37440
+7 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	3	72	0	0	40 SUST	3499 39000
	Amb to T1		9	235	0	5519	130 DISP	5649 50951

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Point name	Load combination	ASME B31.8 (2012)		CODE COMPLIANCE				Code Stress	Code Allow.		
		(Moments in ft-lb) In-Pl. Moment	Out-Pl. Moment	Shear Stress	(Stress in psi) Axial Stress	Bending Stress	Type				
	Sus. + E1	3	72	0	0	0	OCC	3500	39000		
	Sus. + E2	3	72	0	3	0	OCC	3502	39000		
	Sus. + E3	3	72	0	3	0	OCC	3502	39000		
	Sus. + E4	3	72	0	0	0	OCC	3500	39000		
	Max P						H00P	7048	37440		
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		3	72	0	0	40	SUST	3504	39000
	Amb to T1	9	235	0	5502	130	DISP	5633	50946		
	Sus. + E1	3	72	0	0	0	OCC	3505	39000		
	Sus. + E2	3	72	0	3	0	OCC	3507	39000		
	Sus. + E3	3	72	0	3	0	OCC	3507	39000		
	Sus. + E4	3	72	0	0	0	OCC	3505	39000		
	Max P						H00P	7048	37440		
+8 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		5	97	0	0	54	SUST	3518	39000
	Amb to T1	11	317	0	5502	176	DISP	5678	50932		
	Sus. + E1	5	98	0	0	0	OCC	3519	39000		
	Sus. + E2	5	98	0	3	0	OCC	3521	39000		
	Sus. + E3	5	98	0	3	0	OCC	3521	39000		
	Sus. + E4	5	98	0	0	0	OCC	3519	39000		
	Max P						H00P	7048	37440		
+8 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		5	97	0	0	54	SUST	3523	39000
	Amb to T1	11	317	0	5485	176	DISP	5661	50927		
	Sus. + E1	5	98	0	0	0	OCC	3524	39000		
	Sus. + E2	5	98	0	3	0	OCC	3527	39000		
	Sus. + E3	5	98	0	3	0	OCC	3527	39000		
	Sus. + E4	5	98	0	0	0	OCC	3524	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+9 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	168	0	0	93	SUST	3562	39000
	Amb to T1	8	547	0	5485	303	DISP	5788	50888
	Sus. + E1	4	168	0	0	0	OCC	3563	39000
	Sus. + E2	4	168	0	3	0	OCC	3566	39000
	Sus. + E3	4	168	0	3	0	OCC	3566	39000
	Sus. + E4	4	168	0	0	0	OCC	3563	39000
	Max P						HOOB	7048	37440
+9 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	4	168	0	0	93	SUST	3568	39000
	Amb to T1	8	547	0	5467	303	DISP	5770	50882
	Sus. + E1	4	168	0	0	0	OCC	3569	39000
	Sus. + E2	4	168	0	3	0	OCC	3571	39000
	Sus. + E3	4	168	0	3	0	OCC	3571	39000
	Sus. + E4	4	168	0	0	0	OCC	3569	39000
	Max P						HOOB	7048	37440
+10 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	251	0	0	139	SUST	3614	39000
	Amb to T1	11	818	0	5467	453	DISP	5920	50836
	Sus. + E1	2	252	0	0	0	OCC	3615	39000
	Sus. + E2	2	252	0	3	0	OCC	3617	39000
	Sus. + E3	2	252	0	3	0	OCC	3617	39000
	Sus. + E4	2	252	0	0	0	OCC	3615	39000
	Max P						HOOB	7048	37440
+10 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	2	251	0	0	139	SUST	3620	39000
	Amb to T1	11	818	0	5448	453	DISP	5901	50830

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	2	252	0	0	0	OCC	3621	39000
	Sus. + E2	2	252	0	3	0	OCC	3623	39000
	Sus. + E3	2	252	0	3	0	OCC	3623	39000
	Sus. + E4	2	252	0	0	0	OCC	3621	39000
	Max P						H00P	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P		17	281	0	0	156	SUST	3637	39000
	Amb to T1	54	914	0	5448	507	DISP	5955	50813
	Sus. + E1	17	281	0	0	0	OCC	3637	39000
	Sus. + E2	17	281	0	3	0	OCC	3640	39000
	Sus. + E3	17	281	0	3	0	OCC	3640	39000
	Sus. + E4	17	281	0	0	0	OCC	3637	39000
	Max P						H00P	7048	37440
+11 + SIFI= 1.00 UNREST GR + Max P		17	281	0	0	156	SUST	3643	39000
	Amb to T1	54	914	0	5428	507	DISP	5935	50807
	Sus. + E1	17	281	0	0	0	OCC	3644	39000
	Sus. + E2	17	281	0	3	0	OCC	3646	39000
	Sus. + E3	17	281	0	3	0	OCC	3646	39000
	Sus. + E4	17	281	0	0	0	OCC	3643	39000
	Max P						H00P	7048	37440
+12 - SIFI= 1.00 UNREST GR + Max P		44	139	0	0	81	SUST	3568	39000
	Amb to T1	124	452	0	5428	260	DISP	5687	50882
	Sus. + E1	44	140	0	0	0	OCC	3569	39000
	Sus. + E2	44	139	0	3	0	OCC	3571	39000
	Sus. + E3	44	139	0	3	0	OCC	3571	39000
	Sus. + E4	44	140	0	0	0	OCC	3569	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+12 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	44	139	0	0	81 SUST	3574 39000
	Amb to T1		124	452	0	5407	260 DISP	5666 50876
	Sus. + E1		44	140	0	0	0 OCC	3575 39000
	Sus. + E2		44	139	0	3	0 OCC	3578 39000
	Sus. + E3		44	139	0	3	0 OCC	3578 39000
	Sus. + E4		44	140	0	0	0 OCC	3575 39000
	Max P						H00P	7048 37440
+13 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	79	336	0	0	191 SUST	3685 39000
	Amb to T1		202	1095	0	5407	617 DISP	6023 50765
	Sus. + E1		80	337	0	0	1 OCC	3686 39000
	Sus. + E2		80	337	0	3	1 OCC	3689 39000
	Sus. + E3		80	337	0	3	1 OCC	3689 39000
	Sus. + E4		80	337	0	0	1 OCC	3686 39000
	Max P						H00P	7048 37440
+13 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	79	336	0	0	191 SUST	3692 39000
	Amb to T1		202	1095	0	5385	617 DISP	6001 50758
	Sus. + E1		80	337	0	0	1 OCC	3693 39000
	Sus. + E2		80	337	0	3	1 OCC	3696 39000
	Sus. + E3		80	337	0	3	1 OCC	3696 39000
	Sus. + E4		80	337	0	0	1 OCC	3693 39000
	Max P						H00P	7048 37440
A23 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	100	1315	0	0	730 SUST	4231 39000
	Amb to T1		225	4279	0	5385	2373 DISP	7758 50219

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	102	1315	0	0	1	OCC	4232	39000
	Sus. + E2	102	1318	0	3	2	OCC	4236	39000
	Sus. + E3	102	1318	0	3	2	OCC	4236	39000
	Sus. + E4	102	1315	0	0	1	OCC	4232	39000
	Max P						H00P	7048	37440
A23 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	100	1315	1	0	730	SUST	4237	39000
	Amb to T1	225	4279	2	5365	2373	DISP	7739	50213
	Sus. + E1	102	1315	0	0	1	OCC	4238	39000
	Sus. + E2	102	1318	0	3	2	OCC	4242	39000
	Sus. + E3	102	1318	0	3	2	OCC	4242	39000
	Sus. + E4	102	1315	0	0	1	OCC	4238	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	77	482	1	0	271	SUST	3777	39000
	Amb to T1	118	1570	2	5365	872	DISP	6237	50673
	Sus. + E1	79	483	0	0	2	OCC	3779	39000
	Sus. + E2	79	483	0	3	2	OCC	3782	39000
	Sus. + E3	79	483	0	3	2	OCC	3782	39000
	Sus. + E4	79	483	0	0	2	OCC	3779	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	77	482	1	0	271	SUST	3782	39000
	Amb to T1	118	1570	2	5349	872	DISP	6221	50668
	Sus. + E1	79	483	0	0	2	OCC	3784	39000
	Sus. + E2	79	483	0	3	2	OCC	3787	39000
	Sus. + E3	79	483	0	3	2	OCC	3787	39000
	Sus. + E4	79	483	0	0	2	OCC	3784	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	23	3	1	0	13	SUST	3524 39000
	Amb to T1	201	10	2	5349	111	DISP	5460 50926
	Sus. + E1	25	4	0	0	1	OCC	3526 39000
	Sus. + E2	26	3	0	3	1	OCC	3529 39000
	Sus. + E3	25	3	0	3	1	OCC	3529 39000
	Sus. + E4	25	4	0	0	1	OCC	3526 39000
	Max P						H00P	7048 37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	23	3	1	0	13	SUST	3530 39000
	Amb to T1	201	10	2	5331	111	DISP	5442 50920
	Sus. + E1	25	4	0	0	1	OCC	3532 39000
	Sus. + E2	26	3	0	3	1	OCC	3534 39000
	Sus. + E3	25	3	0	3	1	OCC	3534 39000
	Sus. + E4	25	4	0	0	1	OCC	3532 39000
	Max P						H00P	7048 37440
A24 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	245	228	1	0	186	SUST	3703 39000
	Amb to T1	835	742	2	5331	619	DISP	5950 50747
	Sus. + E1	246	229	0	0	0	OCC	3703 39000
	Sus. + E2	246	229	0	3	1	OCC	3706 39000
	Sus. + E3	246	229	0	3	0	OCC	3706 39000
	Sus. + E4	246	229	0	0	0	OCC	3703 39000
	Max P						H00P	7048 37440
A24 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	245	228	0	0	186	SUST	3708 39000
	Amb to T1	835	742	0	5313	619	DISP	5931 50742

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	246	229	0	0	0	OCC	3709 39000
	Sus. + E2	246	229	0	3	1	OCC	3712 39000
	Sus. + E3	246	229	0	3	0	OCC	3712 39000
	Sus. + E4	246	229	0	0	0	OCC	3709 39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P		11	284	0	0	157	SUST	3680 39000
	Amb to T1	24	923	0	5313	511	DISP	5824 50770
	Sus. + E1	13	284	0	0	1	OCC	3682 39000
	Sus. + E2	13	285	0	3	1	OCC	3684 39000
	Sus. + E3	13	285	0	3	1	OCC	3684 39000
	Sus. + E4	13	284	0	0	1	OCC	3681 39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P		11	284	0	0	157	SUST	3686 39000
	Amb to T1	24	923	0	5293	511	DISP	5804 50764
	Sus. + E1	13	284	0	0	1	OCC	3688 39000
	Sus. + E2	13	285	0	3	1	OCC	3690 39000
	Sus. + E3	13	285	0	3	1	OCC	3690 39000
	Sus. + E4	13	284	0	0	1	OCC	3688 39000
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P		139	244	0	0	155	SUST	3684 39000
	Amb to T1	519	792	0	5293	524	DISP	5817 50766
	Sus. + E1	142	244	0	0	1	OCC	3686 39000
	Sus. + E2	142	244	0	3	2	OCC	3689 39000
	Sus. + E3	142	244	0	3	1	OCC	3688 39000
	Sus. + E4	142	244	0	0	1	OCC	3686 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	139	244	0	0	155	SUST	3691 39000
	Sus. + E1	519	792	0	5272	524	DISP	5796 50759
	Sus. + E2	142	244	0	0	1	OCC	3692 39000
	Sus. + E3	142	244	0	3	2	OCC	3695 39000
	Sus. + E4	142	244	0	3	1	OCC	3695 39000
	Max P	142	244	0	0	1	OCC	3692 39000
	Max P						H00P	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	190	172	0	0	142	SUST	3677 39000
	Sus. + E1	663	558	0	5272	480	DISP	5752 50773
	Sus. + E2	192	172	0	0	1	OCC	3679 39000
	Sus. + E3	192	172	0	3	1	OCC	3681 39000
	Sus. + E4	192	172	0	3	1	OCC	3681 39000
	Max P	192	172	0	0	1	OCC	3678 39000
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	190	172	0	0	142	SUST	3684 39000
	Sus. + E1	663	558	0	5250	480	DISP	5730 50766
	Sus. + E2	192	172	0	0	1	OCC	3685 39000
	Sus. + E3	192	172	0	3	1	OCC	3688 39000
	Sus. + E4	192	172	0	3	1	OCC	3688 39000
	Max P	192	172	0	0	1	OCC	3685 39000
	Max P						H00P	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	107	107	0	0	84	SUST	3626 39000
	Amb to T1	403	349	0	5250	295	DISP	5546 50824

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	109	107	0	0	1 OCC	3627	39000
	Sus. + E2	109	108	0	3	1 OCC	3630	39000
	Sus. + E3	109	108	0	3	1 OCC	3630	39000
	Sus. + E4	109	108	0	0	1 OCC	3627	39000
	Max P					H00P	7048	37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	107	107	0	0	84 SUST	3633 39000
	Amb to T1		403	349	0	5228	295 DISP	5523 50817
	Sus. + E1		109	107	0	0	1 OCC	3634 39000
	Sus. + E2		109	108	0	3	1 OCC	3637 39000
	Sus. + E3		109	108	0	3	1 OCC	3637 39000
	Sus. + E4		109	108	0	0	1 OCC	3634 39000
	Max P					H00P	7048	37440
+5 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	160	73	0	0	97 SUST	3646 39000
	Amb to T1		395	236	0	5228	255 DISP	5482 50804
	Sus. + E1		160	73	0	0	0 OCC	3647 39000
	Sus. + E2		160	73	0	3	0 OCC	3649 39000
	Sus. + E3		160	73	0	3	0 OCC	3649 39000
	Sus. + E4		160	73	0	0	0 OCC	3647 39000
	Max P					H00P	7048	37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	160	73	0	0	97 SUST	3653 39000
	Amb to T1		395	236	0	5204	255 DISP	5459 50797
	Sus. + E1		160	73	0	0	0 OCC	3654 39000
	Sus. + E2		160	73	0	3	0 OCC	3657 39000
	Sus. + E3		160	73	0	3	0 OCC	3657 39000
	Sus. + E4		160	73	0	0	0 OCC	3654 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
A25 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	620	74	0	0	346 SUST	3902	39000
	Amb to T1	1852	241	0	5204	1035 DISP	6239	50548
	Sus. + E1	621	75	0	0	0 OCC	3903	39000
	Sus. + E2	621	75	0	3	0 OCC	3906	39000
	Sus. + E3	622	75	0	3	1 OCC	3906	39000
	Sus. + E4	621	74	0	0	0 OCC	3903	39000
	Max P						H00P	7048 37440
A25 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	620	74	1	0	346 SUST	3910	39000
	Amb to T1	1852	241	2	5180	1035 DISP	6215	50540
	Sus. + E1	621	75	0	0	0 OCC	3910	39000
	Sus. + E2	621	75	0	3	0 OCC	3913	39000
	Sus. + E3	622	75	0	3	1 OCC	3913	39000
	Sus. + E4	621	74	0	0	0 OCC	3910	39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	117	110	1	0	89 SUST	3653	39000
	Amb to T1	287	358	2	5180	254 DISP	5434	50797
	Sus. + E1	117	110	0	0	0 OCC	3653	39000
	Sus. + E2	117	110	0	3	0 OCC	3656	39000
	Sus. + E3	117	110	0	3	0 OCC	3656	39000
	Sus. + E4	117	110	0	0	0 OCC	3653	39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	117	110	1	0	89 SUST	3660	39000
	Amb to T1	287	358	2	5155	254 DISP	5409	50790

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	117	110	0	0	0	OCC	3661 39000
	Sus. + E2	117	110	0	3	0	OCC	3664 39000
	Sus. + E3	117	110	0	3	0	OCC	3663 39000
	Sus. + E4	117	110	0	0	0	OCC	3661 39000
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P		193	171	1	0	143	SUST	3714 39000
	Amb to T1	599	554	2	5155	452	DISP	5607 50736
	Sus. + E1	193	171	0	0	0	OCC	3715 39000
	Sus. + E2	193	171	0	3	0	OCC	3717 39000
	Sus. + E3	194	171	0	3	0	OCC	3717 39000
	Sus. + E4	193	171	0	0	0	OCC	3714 39000
	Max P						H00P	7048 37440
+2 + SIFI= 1.00 UNREST GR + Max P		193	171	1	0	143	SUST	3722 39000
	Amb to T1	599	554	2	5130	452	DISP	5581 50728
	Sus. + E1	193	171	0	0	0	OCC	3722 39000
	Sus. + E2	193	171	0	3	0	OCC	3725 39000
	Sus. + E3	194	171	0	3	0	OCC	3725 39000
	Sus. + E4	193	171	0	0	0	OCC	3722 39000
	Max P						H00P	7048 37440
+3 - SIFI= 1.00 UNREST GR + Max P		301	232	1	0	210	SUST	3790 39000
	Amb to T1	888	754	2	5130	645	DISP	5775 50660
	Sus. + E1	301	232	0	0	0	OCC	3790 39000
	Sus. + E2	302	232	0	3	0	OCC	3793 39000
	Sus. + E3	302	232	0	3	0	OCC	3793 39000
	Sus. + E4	301	232	0	0	0	OCC	3790 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	301	232	1	0	210 SUST	3798 39000
	Amb to T1		888	754	2	5103	645 DISP	5748 50652
	Sus. + E1		301	232	0	0	0 OCC	3799 39000
	Sus. + E2		302	232	0	3	0 OCC	3801 39000
	Sus. + E3		302	232	0	3	0 OCC	3801 39000
	Sus. + E4		301	232	0	0	0 OCC	3798 39000
	Max P						H00P	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	219	253	1	0	185 SUST	3773 39000
	Amb to T1		644	822	2	5103	578 DISP	5681 50677
	Sus. + E1		219	253	0	0	0 OCC	3773 39000
	Sus. + E2		219	253	0	3	0 OCC	3776 39000
	Sus. + E3		219	253	0	3	0 OCC	3776 39000
	Sus. + E4		219	253	0	0	0 OCC	3773 39000
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	219	253	1	0	185 SUST	3781 39000
	Amb to T1		644	822	2	5075	578 DISP	5653 50669
	Sus. + E1		219	253	0	0	0 OCC	3782 39000
	Sus. + E2		219	253	0	3	0 OCC	3785 39000
	Sus. + E3		219	253	0	3	0 OCC	3785 39000
	Sus. + E4		219	253	0	0	0 OCC	3782 39000
	Max P						H00P	7048 37440
+5 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	58	168	1	0	98 SUST	3694 39000
	Amb to T1		168	545	2	5075	316 DISP	5391 50756

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	58	168	0	0	0	OCC	3695 39000
	Sus. + E2	58	168	0	3	0	OCC	3698 39000
	Sus. + E3	58	168	0	3	0	OCC	3697 39000
	Sus. + E4	58	168	0	0	0	OCC	3695 39000
	Max P						H00P	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	58	168	1	0	98 SUST	3703 39000
	Amb to T1		168	545	2	5046	316 DISP	5362 50747
	Sus. + E1		58	168	0	0	0 OCC	3704 39000
	Sus. + E2		58	168	0	3	0 OCC	3707 39000
	Sus. + E3		58	168	0	3	0 OCC	3706 39000
	Sus. + E4		58	168	0	0	0 OCC	3704 39000
	Max P						H00P	7048 37440
A26 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	523	114	1	0	297 SUST	3902 39000
	Amb to T1		1618	373	2	5046	920 DISP	5966 50548
	Sus. + E1		524	115	0	0	0 OCC	3902 39000
	Sus. + E2		525	114	0	3	1 OCC	3905 39000
	Sus. + E3		524	115	0	3	1 OCC	3905 39000
	Sus. + E4		523	115	0	0	0 OCC	3902 39000
	Max P						H00P	7048 37440
A26 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	523	114	0	0	297 SUST	3910 39000
	Amb to T1		1618	373	1	5019	920 DISP	5939 50540
	Sus. + E1		524	115	0	0	0 OCC	3911 39000
	Sus. + E2		525	114	0	3	1 OCC	3914 39000
	Sus. + E3		524	115	0	3	1 OCC	3913 39000
	Sus. + E4		523	115	0	0	0 OCC	3911 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	159	548	0	0	316	SUST	3929	39000
	Amb to T1	454	1785	1	5019	1020	DISP	6039	50521
	Sus. + E1	159	548	0	0	0	OCC	3930	39000
	Sus. + E2	159	549	0	3	1	OCC	3933	39000
	Sus. + E3	159	549	0	3	1	OCC	3933	39000
	Sus. + E4	159	548	0	0	0	OCC	3930	39000
	Max P						HOOB	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	159	548	0	0	316	SUST	3937	39000
	Amb to T1	454	1785	1	4995	1020	DISP	6015	50513
	Sus. + E1	159	548	0	0	0	OCC	3937	39000
	Sus. + E2	159	549	0	3	1	OCC	3940	39000
	Sus. + E3	159	549	0	3	1	OCC	3940	39000
	Sus. + E4	159	548	0	0	0	OCC	3937	39000
	Max P						HOOB	7048	37440
A27 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	90	1218	0	0	676	SUST	4297	39000
	Amb to T1	289	3967	1	4995	2203	DISP	7198	50153
	Sus. + E1	90	1218	0	0	0	OCC	4298	39000
	Sus. + E2	90	1220	0	3	1	OCC	4302	39000
	Sus. + E3	91	1220	0	3	1	OCC	4301	39000
	Sus. + E4	91	1218	0	0	0	OCC	4298	39000
	Max P						HOOB	7048	37440
A27 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	93	1218	1	0	676	SUST	4306	39000
	Amb to T1	297	3966	5	4966	2203	DISP	7169	50144

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	93	1218	0	0	0	OCC	4307 39000
	Sus. + E2	93	1220	0	3	1	OCC	4310 39000
	Sus. + E3	93	1220	0	3	1	OCC	4310 39000
	Sus. + E4	93	1218	0	0	0	OCC	4306 39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P		269	344	1	0	242	SUST	3872 39000
	Amb to T1	810	1122	5	4966	766	DISP	5733 50578
	Sus. + E1	270	345	0	0	0	OCC	3872 39000
	Sus. + E2	270	345	0	3	0	OCC	3875 39000
	Sus. + E3	270	345	0	3	0	OCC	3875 39000
	Sus. + E4	270	345	0	0	0	OCC	3872 39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P		269	344	1	0	242	SUST	3882 39000
	Amb to T1	810	1122	5	4933	766	DISP	5700 50568
	Sus. + E1	270	345	0	0	0	OCC	3883 39000
	Sus. + E2	270	345	0	3	0	OCC	3885 39000
	Sus. + E3	270	345	0	3	0	OCC	3885 39000
	Sus. + E4	270	345	0	0	0	OCC	3883 39000
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P		233	102	1	0	141	SUST	3781 39000
	Amb to T1	694	332	5	4933	426	DISP	5359 50669
	Sus. + E1	233	103	0	0	0	OCC	3782 39000
	Sus. + E2	233	103	0	3	0	OCC	3784 39000
	Sus. + E3	233	103	0	3	0	OCC	3784 39000
	Sus. + E4	233	103	0	0	0	OCC	3781 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	233	102	1	0	141 SUST	3792 39000
	Amb to T1		694	332	5	4898	426 DISP	5324 50658
	Sus. + E1		233	103	0	0	0 OCC	3792 39000
	Sus. + E2		233	103	0	3	0 OCC	3795 39000
	Sus. + E3		233	103	0	3	0 OCC	3795 39000
	Sus. + E4		233	103	0	0	0 OCC	3792 39000
	Max P						H00P	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	26	256	1	0	143 SUST	3793 39000
	Amb to T1		70	834	5	4898	463 DISP	5362 50657
	Sus. + E1		26	257	0	0	0 OCC	3794 39000
	Sus. + E2		26	257	0	3	0 OCC	3797 39000
	Sus. + E3		26	257	0	3	0 OCC	3797 39000
	Sus. + E4		26	257	0	0	0 OCC	3794 39000
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	26	256	1	-1	143 SUST	3805 39000
	Amb to T1		70	834	5	4862	463 DISP	5325 50645
	Sus. + E1		26	257	0	0	0 OCC	3805 39000
	Sus. + E2		26	257	0	3	0 OCC	3808 39000
	Sus. + E3		26	257	0	3	0 OCC	3808 39000
	Sus. + E4		26	257	0	0	0 OCC	3805 39000
	Max P						H00P	7048 37440
A28 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	513	250	1	-1	316 SUST	3978 39000
	Amb to T1		1591	812	5	4862	990 DISP	5852 50472

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	513	250	0	0	0	OCC	3978	39000
	Sus. + E2	514	251	0	3	1	OCC	3982	39000
	Sus. + E3	514	250	0	3	1	OCC	3981	39000
	Sus. + E4	513	250	0	0	0	OCC	3978	39000
	Max P						H00P	7048	37440
A28 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	513	250	0	-1	316	SUST	3989	39000
	Amb to T1	1591	812	1	4826	990	DISP	5816	50461
	Sus. + E1	513	250	0	0	0	OCC	3989	39000
	Sus. + E2	514	251	0	3	1	OCC	3993	39000
	Sus. + E3	514	250	0	3	1	OCC	3992	39000
	Sus. + E4	513	250	0	0	0	OCC	3989	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	73	188	0	-1	112	SUST	3785	39000
	Amb to T1	192	612	1	4826	355	DISP	5182	50665
	Sus. + E1	73	188	0	0	0	OCC	3785	39000
	Sus. + E2	73	189	0	3	0	OCC	3788	39000
	Sus. + E3	73	189	0	3	0	OCC	3788	39000
	Sus. + E4	73	189	0	0	0	OCC	3785	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	73	188	0	-1	112	SUST	3796	39000
	Amb to T1	192	612	1	4791	355	DISP	5146	50654
	Sus. + E1	73	188	0	0	0	OCC	3796	39000
	Sus. + E2	73	189	0	3	0	OCC	3799	39000
	Sus. + E3	73	189	0	3	0	OCC	3799	39000
	Sus. + E4	73	189	0	0	0	OCC	3796	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	183	122	0	-1	122	SUST	3806 39000
	Amb to T1	570	396	1	4791	385	DISP	5176 50644
	Sus. + E1	183	122	0	0	0	OCC	3806 39000
	Sus. + E2	184	122	0	3	0	OCC	3809 39000
	Sus. + E3	184	122	0	3	0	OCC	3809 39000
	Sus. + E4	183	122	0	0	0	OCC	3806 39000
	Max P						H00P	7048 37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	183	122	0	-1	122	SUST	3817 39000
	Amb to T1	570	396	1	4754	385	DISP	5139 50633
	Sus. + E1	183	122	0	0	0	OCC	3818 39000
	Sus. + E2	184	122	0	3	0	OCC	3820 39000
	Sus. + E3	184	122	0	3	0	OCC	3820 39000
	Sus. + E4	183	122	0	0	0	OCC	3817 39000
	Max P						H00P	7048 37440
+3 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	261	76	0	-1	151	SUST	3846 39000
	Amb to T1	801	246	1	4754	464	DISP	5218 50604
	Sus. + E1	261	76	0	0	0	OCC	3846 39000
	Sus. + E2	262	76	0	3	0	OCC	3849 39000
	Sus. + E3	262	76	0	3	0	OCC	3849 39000
	Sus. + E4	261	76	0	0	0	OCC	3846 39000
	Max P						H00P	7048 37440
+3 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	261	76	0	-1	151	SUST	3858 39000
	Amb to T1	801	246	1	4716	464	DISP	5180 50592

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	261	76	0	0	0	OCC	3858	39000
	Sus. + E2	262	76	0	3	0	OCC	3861	39000
	Sus. + E3	262	76	0	3	0	OCC	3861	39000
	Sus. + E4	261	76	0	0	0	OCC	3858	39000
	Max P						H00P	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P		185	60	0	-1	108	SUST	3815	39000
	Amb to T1	564	194	1	4716	330	DISP	5047	50635
	Sus. + E1	185	60	0	0	0	OCC	3815	39000
	Sus. + E2	185	60	0	3	0	OCC	3818	39000
	Sus. + E3	185	60	0	3	0	OCC	3817	39000
	Sus. + E4	185	60	0	0	0	OCC	3815	39000
	Max P						H00P	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P		185	60	0	-1	108	SUST	3827	39000
	Amb to T1	564	194	1	4677	330	DISP	5007	50623
	Sus. + E1	185	60	0	0	0	OCC	3827	39000
	Sus. + E2	185	60	0	3	0	OCC	3830	39000
	Sus. + E3	185	60	0	3	0	OCC	3830	39000
	Sus. + E4	185	60	0	0	0	OCC	3827	39000
	Max P						H00P	7048	37440
+5 - SIFI= 1.00 UNREST GR + Max P		57	77	0	-1	53	SUST	3772	39000
	Amb to T1	179	250	1	4677	170	DISP	4847	50678
	Sus. + E1	57	77	0	0	0	OCC	3773	39000
	Sus. + E2	57	77	0	3	0	OCC	3775	39000
	Sus. + E3	57	77	0	3	0	OCC	3775	39000
	Sus. + E4	57	77	0	0	0	OCC	3772	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	57	77	0	-1	53 SUST	3785 39000
	Amb to T1		179	250	1	4636	170 DISP	4806 50665
	Sus. + E1		57	77	0	0	0 OCC	3785 39000
	Sus. + E2		57	77	0	3	0 OCC	3788 39000
	Sus. + E3		57	77	0	3	0 OCC	3788 39000
	Sus. + E4		57	77	0	0	0 OCC	3785 39000
	Max P						H00P	7048 37440
A29 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	483	122	0	-1	276 SUST	4008 39000
	Amb to T1		1520	396	1	4636	870 DISP	5506 50442
	Sus. + E1		483	122	0	0	0 OCC	4008 39000
	Sus. + E2		484	122	0	3	1 OCC	4011 39000
	Sus. + E3		484	122	0	3	0 OCC	4011 39000
	Sus. + E4		483	122	0	0	0 OCC	4008 39000
	Max P						H00P	7048 37440
A29 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	483	122	1	-1	276 SUST	4021 39000
	Amb to T1		1520	396	3	4594	870 DISP	5464 50429
	Sus. + E1		483	122	0	0	0 OCC	4021 39000
	Sus. + E2		484	122	0	3	1 OCC	4024 39000
	Sus. + E3		484	122	0	3	0 OCC	4024 39000
	Sus. + E4		483	122	0	0	0 OCC	4021 39000
	Max P						H00P	7048 37440
+1 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	67	178	1	-1	105 SUST	3850 39000
	Amb to T1		192	578	3	4594	337 DISP	4931 50600

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	67	178	0	0	0	OCC	3850	39000		
	Sus. + E2	67	178	0	3	0	OCC	3853	39000		
	Sus. + E3	67	178	0	3	0	OCC	3853	39000		
	Sus. + E4	67	178	0	0	0	OCC	3850	39000		
	Max P						H00P	7048	37440		
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		67	178	1	-1	105	SUST	3863	39000
	Amb to T1	192	578	3	4550	337	DISP	4888	50587		
	Sus. + E1	67	178	0	0	0	OCC	3864	39000		
	Sus. + E2	67	178	0	3	0	OCC	3866	39000		
	Sus. + E3	67	178	0	3	0	OCC	3866	39000		
	Sus. + E4	67	178	0	0	0	OCC	3864	39000		
	Max P						H00P	7048	37440		
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		166	217	1	-1	151	SUST	3910	39000
	Amb to T1	528	705	3	4550	488	DISP	5038	50540		
	Sus. + E1	166	217	0	0	0	OCC	3910	39000		
	Sus. + E2	167	217	0	3	0	OCC	3913	39000		
	Sus. + E3	167	217	0	3	0	OCC	3912	39000		
	Sus. + E4	166	217	0	0	0	OCC	3910	39000		
	Max P						H00P	7048	37440		
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		166	217	1	-1	151	SUST	3924	39000
	Amb to T1	528	705	3	4505	488	DISP	4993	50526		
	Sus. + E1	166	217	0	0	0	OCC	3924	39000		
	Sus. + E2	167	217	0	3	0	OCC	3927	39000		
	Sus. + E3	167	217	0	3	0	OCC	3926	39000		
	Sus. + E4	166	217	0	0	0	OCC	3924	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+3 - UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	238	189	1	-1	168	SUST	3940 39000
	Sus. + E1	747	615	3	4505	536	DISP	5041 50510
	Sus. + E2	238	190	0	0	0	OCC	3941 39000
	Sus. + E3	238	190	0	3	0	OCC	3944 39000
	Sus. + E4	238	189	0	3	0	OCC	3943 39000
	Sus. + E4	238	190	0	0	0	OCC	3941 39000
	Max P						H00P	7048 37440
+3 + UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	238	189	1	-1	168	SUST	3955 39000
	Sus. + E1	747	615	3	4458	536	DISP	4994 50495
	Sus. + E2	238	190	0	0	0	OCC	3956 39000
	Sus. + E3	238	190	0	3	0	OCC	3958 39000
	Sus. + E4	238	189	0	3	0	OCC	3958 39000
	Sus. + E4	238	190	0	0	0	OCC	3955 39000
	Max P						H00P	7048 37440
+4 - UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	169	25	1	-1	95	SUST	3882 39000
	Sus. + E1	530	80	3	4458	297	DISP	4755 50568
	Sus. + E2	169	26	0	0	0	OCC	3882 39000
	Sus. + E3	169	25	0	3	0	OCC	3884 39000
	Sus. + E4	169	25	0	3	0	OCC	3884 39000
	Sus. + E4	169	25	0	0	0	OCC	3882 39000
	Max P						H00P	7048 37440
+4 + UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	169	25	1	-1	95	SUST	3897 39000
	Sus. + E1	530	80	3	4409	297	DISP	4706 50553

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	169	26	0	0	0	OCC	3897 39000
	Sus. + E2	169	25	0	3	0	OCC	3899 39000
	Sus. + E3	169	25	0	3	0	OCC	3899 39000
	Sus. + E4	169	25	0	0	0	OCC	3897 39000
	Max P						H00P	7048 37440
+5 - SIFI= 1.00 UNREST GR + Max P		48	362	1	-1	202	SUST	4004 39000
	Amb to T1	155	1179	3	4409	659	DISP	5068 50446
	Sus. + E1	48	362	0	0	0	OCC	4004 39000
	Sus. + E2	48	362	0	3	0	OCC	4007 39000
	Sus. + E3	48	362	0	3	0	OCC	4007 39000
	Sus. + E4	48	362	0	0	0	OCC	4004 39000
	Max P						H00P	7048 37440
+5 + SIFI= 1.00 UNREST GR + Max P		48	362	1	-1	202	SUST	4019 39000
	Amb to T1	155	1179	3	4359	659	DISP	5018 50431
	Sus. + E1	48	362	0	0	0	OCC	4020 39000
	Sus. + E2	48	362	0	3	0	OCC	4023 39000
	Sus. + E3	48	362	0	3	0	OCC	4022 39000
	Sus. + E4	48	362	0	0	0	OCC	4020 39000
	Max P						H00P	7048 37440
A30 - SIFI= 1.00 UNREST GR + Max P		439	1053	1	-1	632	SUST	4449 39000
	Amb to T1	1401	3434	3	4359	2054	DISP	6413 50001
	Sus. + E1	439	1053	0	0	0	OCC	4450 39000
	Sus. + E2	440	1055	0	3	1	OCC	4453 39000
	Sus. + E3	439	1055	0	3	1	OCC	4453 39000
	Sus. + E4	439	1053	0	0	0	OCC	4450 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Max P						HOOB	7048	37440
A30	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	434	1055	1	-1	632 SUST	4465	39000
	Amb to T1		1385	3441	2	4308	2054 DISP	6362	49985
	Sus. + E1		434	1055	0	0	0 OCC	4465	39000
	Sus. + E2		435	1057	0	3	1 OCC	4469	39000
	Sus. + E3		434	1057	0	2	1 OCC	4469	39000
	Sus. + E4		434	1055	0	0	0 OCC	4465	39000
	Max P						HOOB	7048	37440
+1	- SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	56	348	1	-1	195 SUST	4028	39000
	Amb to T1		167	1135	2	4308	635 DISP	4943	50422
	Sus. + E1		56	348	0	0	0 OCC	4029	39000
	Sus. + E2		56	348	0	3	0 OCC	4031	39000
	Sus. + E3		56	349	0	2	0 OCC	4031	39000
	Sus. + E4		56	348	0	0	0 OCC	4029	39000
	Max P						HOOB	7048	37440
+1	+ SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	56	348	1	-2	195 SUST	4044	39000
	Amb to T1		167	1135	2	4256	635 DISP	4892	50406
	Sus. + E1		56	348	0	0	0 OCC	4045	39000
	Sus. + E2		56	348	0	3	0 OCC	4047	39000
	Sus. + E3		56	349	0	2	0 OCC	4047	39000
	Sus. + E4		56	348	0	0	0 OCC	4045	39000
	Max P						HOOB	7048	37440
+2	- SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	148	45	1	-2	86 SUST	3935	39000
	Amb to T1		482	147	2	4256	279 DISP	4535	50515

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	148	46	0	0	0	OCC	3936 39000
	Sus. + E2	148	46	0	3	0	OCC	3938 39000
	Sus. + E3	149	45	0	2	0	OCC	3938 39000
	Sus. + E4	148	46	0	0	0	OCC	3935 39000
	Max P						H00P	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	148	45	1	-2	86 SUST	3952 39000
	Amb to T1		482	147	2	4203	279 DISP	4482 50498
	Sus. + E1		148	46	0	0	0 OCC	3952 39000
	Sus. + E2		148	46	0	3	0 OCC	3954 39000
	Sus. + E3		149	45	0	2	0 OCC	3954 39000
	Sus. + E4		148	46	0	0	0 OCC	3952 39000
	Max P						H00P	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	209	212	1	-2	165 SUST	4031 39000
	Amb to T1		675	689	2	4203	534 DISP	4737 50419
	Sus. + E1		209	212	0	0	0 OCC	4031 39000
	Sus. + E2		209	212	0	3	0 OCC	4034 39000
	Sus. + E3		209	212	0	2	0 OCC	4033 39000
	Sus. + E4		209	212	0	0	0 OCC	4031 39000
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	209	212	1	-2	165 SUST	4048 39000
	Amb to T1		675	689	2	4147	534 DISP	4681 50402
	Sus. + E1		209	212	0	0	0 OCC	4048 39000
	Sus. + E2		209	212	0	3	0 OCC	4051 39000
	Sus. + E3		209	212	0	2	0 OCC	4050 39000
	Sus. + E4		209	212	0	0	0 OCC	4048 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	147	241	1	-2	156	SUST	4039 39000
	Amb to T1	475	784	2	4147	508	DISP	4655 50411
	Sus. + E1	147	241	0	0	0	OCC	4040 39000
	Sus. + E2	148	242	0	3	0	OCC	4042 39000
	Sus. + E3	148	241	0	2	0	OCC	4042 39000
	Sus. + E4	147	241	0	0	0	OCC	4040 39000
	Max P						H00P	7048 37440
+4 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	147	241	1	-2	156	SUST	4057 39000
	Amb to T1	475	784	2	4089	508	DISP	4597 50393
	Sus. + E1	147	241	0	0	0	OCC	4058 39000
	Sus. + E2	148	242	0	3	0	OCC	4060 39000
	Sus. + E3	148	241	0	2	0	OCC	4060 39000
	Sus. + E4	147	241	0	0	0	OCC	4058 39000
	Max P						H00P	7048 37440
+5 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	44	206	1	-2	116	SUST	4017 39000
	Amb to T1	145	669	2	4089	379	DISP	4468 50433
	Sus. + E1	44	206	0	0	0	OCC	4018 39000
	Sus. + E2	44	206	0	3	0	OCC	4020 39000
	Sus. + E3	44	206	0	2	0	OCC	4020 39000
	Sus. + E4	44	206	0	0	0	OCC	4018 39000
	Max P						H00P	7048 37440
+5 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	44	206	1	-2	116	SUST	4036 39000
	Amb to T1	145	669	2	4029	379	DISP	4409 50414

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	44	206	0	0	0	OCC	4036 39000
	Sus. + E2	44	206	0	3	0	OCC	4039 39000
	Sus. + E3	44	206	0	2	0	OCC	4038 39000
	Sus. + E4	44	206	0	0	0	OCC	4036 39000
	Max P						H00P	7048 37440
A31 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	390	153	1	-2	232	SUST	4152 39000
	Amb to T1	1269	499	2	4029	755	DISP	4785 50298
	Sus. + E1	390	153	0	0	0	OCC	4152 39000
	Sus. + E2	391	154	0	3	1	OCC	4155 39000
	Sus. + E3	391	154	0	2	1	OCC	4154 39000
	Sus. + E4	391	154	0	0	0	OCC	4152 39000
	Max P						H00P	7048 37440
A31 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	390	154	0	-2	232	SUST	4171 39000
	Amb to T1	1269	499	1	3968	755	DISP	4723 50279
	Sus. + E1	390	154	0	0	0	OCC	4171 39000
	Sus. + E2	391	154	0	3	1	OCC	4174 39000
	Sus. + E3	391	154	0	2	1	OCC	4173 39000
	Sus. + E4	391	154	0	0	0	OCC	4171 39000
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	43	108	0	-2	64	SUST	4003 39000
	Amb to T1	134	350	1	3968	208	DISP	4175 50447
	Sus. + E1	43	108	0	0	0	OCC	4003 39000
	Sus. + E2	44	108	0	3	0	OCC	4006 39000
	Sus. + E3	44	108	0	2	0	OCC	4005 39000
	Sus. + E4	44	108	0	0	0	OCC	4003 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+1 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	43	108	0	-2	64 SUST	4023 39000
	Amb to T1		134	350	1	3904	208 DISP	4111 50427
	Sus. + E1		43	108	0	0	0 OCC	4023 39000
	Sus. + E2		44	108	0	3	0 OCC	4026 39000
	Sus. + E3		44	108	0	2	0 OCC	4025 39000
	Sus. + E4		44	108	0	0	0 OCC	4023 39000
	Max P						H00P	7048 37440
+2 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	144	75	0	-2	90 SUST	4048 39000
	Amb to T1		474	244	1	3904	296 DISP	4199 50402
	Sus. + E1		144	75	0	0	0 OCC	4048 39000
	Sus. + E2		145	76	0	3	1 OCC	4051 39000
	Sus. + E3		144	76	0	2	0 OCC	4051 39000
	Sus. + E4		145	75	0	0	1 OCC	4049 39000
	Max P						H00P	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	144	75	0	-2	90 SUST	4069 39000
	Amb to T1		474	244	1	3837	296 DISP	4133 50381
	Sus. + E1		144	75	0	0	0 OCC	4069 39000
	Sus. + E2		145	76	0	3	1 OCC	4072 39000
	Sus. + E3		144	76	0	2	0 OCC	4071 39000
	Sus. + E4		145	75	0	0	1 OCC	4069 39000
	Max P						H00P	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	206	50	0	-2	117 SUST	4096 39000
	Amb to T1		667	164	1	3837	380 DISP	4218 50354

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	206	51	0	0	0	OCC	4096 39000
	Sus. + E2	206	51	0	3	1	OCC	4099 39000
	Sus. + E3	206	51	0	2	0	OCC	4098 39000
	Sus. + E4	206	50	0	0	0	OCC	4097 39000
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00 206	50	0	-2	117	SUST	4117 39000
	Amb to T1	667	164	1	3768	380	DISP	4149 50333
	Sus. + E1	206	51	0	0	0	OCC	4118 39000
	Sus. + E2	206	51	0	3	1	OCC	4121 39000
	Sus. + E3	206	51	0	2	0	OCC	4120 39000
	Sus. + E4	206	50	0	0	0	OCC	4118 39000
	Max P						H00P	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00 160	20	0	-2	89	SUST	4089 39000
	Amb to T1	496	64	1	3768	277	DISP	4046 50361
	Sus. + E1	160	20	0	0	0	OCC	4090 39000
	Sus. + E2	160	20	0	3	0	OCC	4092 39000
	Sus. + E3	160	20	0	2	0	OCC	4091 39000
	Sus. + E4	160	20	0	0	0	OCC	4090 39000
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00 160	20	0	-3	89	SUST	4111 39000
	Amb to T1	496	64	1	3697	277	DISP	3974 50339
	Sus. + E1	160	20	0	0	0	OCC	4112 39000
	Sus. + E2	160	20	0	3	0	OCC	4114 39000
	Sus. + E3	160	20	0	2	0	OCC	4113 39000
	Sus. + E4	160	20	0	0	0	OCC	4112 39000

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		ASME B31.8 (2012)		CODE COMPLIANCE							
		(Moments in ft-lb)		(Stress in psi)							
Point name	Load combination	In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	Code Stress	Code Allow.		
	Max P						HOOB	7048	37440		
+5 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00									
	Amb to T1	5	38	0	-3	21	SUST	4043	39000		
	Sus. + E1	79	125	1	3697	82	DISP	3779	50407		
	Sus. + E2	6	38	0	0	0	OCC	4044	39000		
	Sus. + E3	6	38	0	3	1	OCC	4047	39000		
	Sus. + E4	6	39	0	2	1	OCC	4046	39000		
	Sus. + E4	7	38	0	0	1	OCC	4045	39000		
	Max P						HOOB	7048	37440		
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00									
	Amb to T1	5	38	0	-3	21	SUST	4066	39000		
	Sus. + E1	79	125	1	3623	82	DISP	3705	50384		
	Sus. + E2	6	38	0	0	0	OCC	4067	39000		
	Sus. + E3	6	38	0	3	1	OCC	4069	39000		
	Sus. + E4	6	39	0	2	1	OCC	4069	39000		
	Sus. + E4	7	38	0	0	1	OCC	4067	39000		
	Max P						HOOB	7048	37440		
A32 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00									
	Amb to T1	321	144	0	-3	195	SUST	4240	39000		
	Sus. + E1	1160	471	1	3623	693	DISP	4317	50210		
	Sus. + E2	323	144	0	0	1	OCC	4241	39000		
	Sus. + E3	325	146	0	3	2	OCC	4245	39000		
	Sus. + E4	323	146	0	2	2	OCC	4244	39000		
	Sus. + E4	326	144	0	0	3	OCC	4243	39000		
	Max P						HOOB	7048	37440		
A32 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00									
	Amb to T1	321	145	0	-3	195	SUST	4266	39000		
	Sus. + E1	1159	473	1	3540	693	DISP	4234	50184		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Sus. + E1	322	145	0	0	1 OCC	4267	39000
	Sus. + E2	325	147	0	2	2 OCC	4271	39000
	Sus. + E3	323	147	0	2	2 OCC	4269	39000
	Sus. + E4	326	145	0	0	3 OCC	4269	39000
	Max P					H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P		181	57	0	-3	105 SUST	4176	39000
	Amb to T1	362	188	1	3540	226 DISP	3766	50274
	Sus. + E1	183	58	0	0	2 OCC	4177	39000
	Sus. + E2	187	62	0	2	4 OCC	4182	39000
	Sus. + E3	188	62	0	2	5 OCC	4182	39000
	Sus. + E4	191	57	0	0	6 OCC	4182	39000
	Max P					H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P		181	57	0	-3	105 SUST	4204	39000
	Amb to T1	362	188	1	3448	226 DISP	3674	50246
	Sus. + E1	183	58	0	0	2 OCC	4206	39000
	Sus. + E2	187	62	0	2	4 OCC	4211	39000
	Sus. + E3	188	62	0	2	5 OCC	4211	39000
	Sus. + E4	191	57	0	0	6 OCC	4211	39000
	Max P					H00P	7048	37440
+2 - SIFI= 1.00 UNREST GR + Max P		435	150	0	-3	255 SUST	4354	39000
	Amb to T1	1051	493	1	3448	643 DISP	4091	50096
	Sus. + E1	439	151	0	0	2 OCC	4357	39000
	Sus. + E2	445	158	0	2	7 OCC	4364	39000
	Sus. + E3	446	158	0	2	8 OCC	4364	39000
	Sus. + E4	452	151	0	0	9 OCC	4364	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	435	150	0	-3	255 SUST	4384 39000
	Amb to T1		1051	493	1	3351	643 DISP	3994 50066
	Sus. + E1		439	151	0	0	2 OCC	4387 39000
	Sus. + E2		445	158	0	2	7 OCC	4393 39000
	Sus. + E3		446	158	0	2	8 OCC	4394 39000
	Sus. + E4		452	151	0	0	9 OCC	4394 39000
	Max P						H00P	7048 37440
+3 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	397	113	0	-3	229 SUST	4358 39000
	Amb to T1		883	371	1	3351	530 DISP	3882 50092
	Sus. + E1		402	114	0	0	2 OCC	4361 39000
	Sus. + E2		409	123	0	2	8 OCC	4369 39000
	Sus. + E3		410	124	0	2	9 OCC	4369 39000
	Sus. + E4		417	113	0	0	11 OCC	4369 39000
	Max P						H00P	7048 37440
+3 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	397	113	0	-3	229 SUST	4389 39000
	Amb to T1		883	371	1	3251	530 DISP	3781 50061
	Sus. + E1		402	114	0	0	2 OCC	4392 39000
	Sus. + E2		409	123	0	2	8 OCC	4400 39000
	Sus. + E3		410	124	0	2	9 OCC	4400 39000
	Sus. + E4		417	113	0	0	11 OCC	4400 39000
	Max P						H00P	7048 37440
+4 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	4	97	0	-3	54 SUST	4214 39000
	Amb to T1		312	318	1	3251	247 DISP	3498 50236

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	5	98	0	0	1	OCC	4215	39000		
	Sus. + E2	9	107	0	2	6	OCC	4223	39000		
	Sus. + E3	8	108	0	2	6	OCC	4222	39000		
	Sus. + E4	12	98	0	0	4	OCC	4219	39000		
	Max P						H00P	7048	37440		
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		4	97	0	-4	54	SUST	4247	39000
	Amb to T1	312	318	1	3146	247	DISP	3393	50203		
	Sus. + E1	5	98	0	0	1	OCC	4247	39000		
	Sus. + E2	9	107	0	2	6	OCC	4255	39000		
	Sus. + E3	8	108	0	2	6	OCC	4254	39000		
	Sus. + E4	12	98	0	0	4	OCC	4251	39000		
	Max P						H00P	7048	37440		
A33 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00		867	539	0	-4	565	SUST	4758	39000
	Amb to T1	2837	1763	1	3146	1850	DISP	4996	49692		
	Sus. + E1	870	539	0	0	2	OCC	4760	39000		
	Sus. + E2	871	540	0	2	2	OCC	4763	39000		
	Sus. + E3	875	540	0	2	4	OCC	4764	39000		
	Sus. + E4	875	539	0	0	4	OCC	4763	39000		
	Max P						H00P	7048	37440		
A33 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00		864	544	0	-3	565	SUST	4791	39000
	Amb to T1	2826	1781	0	3040	1850	DISP	4890	49659		
	Sus. + E1	867	544	0	0	2	OCC	4792	39000		
	Sus. + E2	867	546	0	2	2	OCC	4795	39000		
	Sus. + E3	871	546	0	2	4	OCC	4796	39000		
	Sus. + E4	872	544	0	0	4	OCC	4795	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	361	142	0	-3	215	SUST	4440 39000
	Amb to T1	813	468	0	3040	519	DISP	3559 50010
	Sus. + E1	365	143	0	0	2	OCC	4442 39000
	Sus. + E2	369	151	0	2	7	OCC	4449 39000
	Sus. + E3	371	151	0	2	7	OCC	4449 39000
	Sus. + E4	376	143	0	0	8	OCC	4449 39000
	Max P						H00P	7048 37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	361	142	0	-3	215	SUST	4474 39000
	Amb to T1	813	468	0	2931	519	DISP	3450 49976
	Sus. + E1	365	143	0	0	2	OCC	4476 39000
	Sus. + E2	369	151	0	2	7	OCC	4482 39000
	Sus. + E3	371	151	0	2	7	OCC	4482 39000
	Sus. + E4	376	143	0	0	8	OCC	4482 39000
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	69	58	0	-3	50	SUST	4309 39000
	Amb to T1	217	187	0	2931	159	DISP	3089 50141
	Sus. + E1	72	58	0	0	2	OCC	4310 39000
	Sus. + E2	78	69	0	2	8	OCC	4319 39000
	Sus. + E3	78	68	0	2	8	OCC	4318 39000
	Sus. + E4	84	59	0	0	8	OCC	4317 39000
	Max P						H00P	7048 37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	69	58	0	-3	50	SUST	4343 39000
	Amb to T1	217	187	0	2817	159	DISP	2975 50107

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Point name	Load combination	ASME B31.8 (2012) (Moments in ft-lb)		CODE COMPLIANCE (Stress in psi)				Code Stress	Code Allow.		
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type				
	Sus. + E1	72	58	0	0	2	OCC	4345	39000		
	Sus. + E2	78	69	0	2	8	OCC	4353	39000		
	Sus. + E3	78	68	0	2	8	OCC	4353	39000		
	Sus. + E4	84	59	0	0	8	OCC	4352	39000		
	Max P						H00P	7048	37440		
+3 - UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00		67	123	0	-3	78	SUST	4371	39000
	Amb to T1	584	401	0	2817	392	DISP	3209	50079		
	Sus. + E1	70	124	0	0	1	OCC	4372	39000		
	Sus. + E2	74	132	0	2	6	OCC	4379	39000		
	Sus. + E3	74	132	0	2	6	OCC	4378	39000		
	Sus. + E4	79	124	0	0	6	OCC	4378	39000		
	Max P						H00P	7048	37440		
+3 + UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00		67	123	0	-3	78	SUST	4407	39000
	Amb to T1	584	401	0	2698	392	DISP	3091	50043		
	Sus. + E1	70	124	0	0	1	OCC	4409	39000		
	Sus. + E2	74	132	0	2	6	OCC	4416	39000		
	Sus. + E3	74	132	0	1	6	OCC	4415	39000		
	Sus. + E4	79	124	0	0	6	OCC	4414	39000		
	Max P						H00P	7048	37440		
+4 - UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00		107	118	0	-3	88	SUST	4418	39000
	Amb to T1	586	384	0	2698	388	DISP	3086	50032		
	Sus. + E1	108	118	0	0	1	OCC	4418	39000		
	Sus. + E2	111	123	0	2	4	OCC	4423	39000		
	Sus. + E3	110	123	0	1	4	OCC	4423	39000		
	Sus. + E4	114	118	0	0	4	OCC	4422	39000		

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+4 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	107	118	0	-3	88	SUST	4455 39000
	Sus. + E1	586	384	0	2575	388	DISP	2962 49995
	Sus. + E2	108	118	0	0	1	OCC	4456 39000
	Sus. + E3	111	123	0	2	4	OCC	4461 39000
	Sus. + E4	110	123	0	1	4	OCC	4460 39000
	Sus. + E4	114	118	0	0	4	OCC	4459 39000
	Max P						H00P	7048 37440
+5 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	97	88	0	-3	72	SUST	4440 39000
	Sus. + E1	439	286	0	2575	290	DISP	2865 50010
	Sus. + E2	97	88	0	0	0	OCC	4440 39000
	Sus. + E3	99	91	0	2	2	OCC	4444 39000
	Sus. + E4	98	90	0	1	2	OCC	4443 39000
	Sus. + E4	100	88	0	0	2	OCC	4442 39000
	Max P						H00P	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	97	88	0	-3	72	SUST	4479 39000
	Sus. + E1	439	286	0	2446	290	DISP	2736 49971
	Sus. + E2	97	88	0	0	0	OCC	4479 39000
	Sus. + E3	99	91	0	2	2	OCC	4483 39000
	Sus. + E4	98	90	0	1	2	OCC	4482 39000
	Sus. + E4	100	88	0	0	2	OCC	4481 39000
	Max P						H00P	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00						
	Amb to T1	70	60	0	-3	51	SUST	4458 39000
	Sus. + E1	274	197	0	2446	187	DISP	2633 49992

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type	
	Sus. + E1	70	60	0	0	0	OCC	4458 39000
	Sus. + E2	71	61	0	2	1	OCC	4460 39000
	Sus. + E3	71	61	0	1	1	OCC	4460 39000
	Sus. + E4	71	60	0	0	1	OCC	4459 39000
	Max P						H00P	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	70	60	0	-3	51 SUST	4499 39000
	Amb to T1		274	197	0	2312	187 DISP	2499 49951
	Sus. + E1		70	60	0	0	0 OCC	4499 39000
	Sus. + E2		71	61	0	2	1 OCC	4501 39000
	Sus. + E3		71	61	0	1	1 OCC	4501 39000
	Sus. + E4		71	60	0	0	1 OCC	4500 39000
	Max P						H00P	7048 37440
+7 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	46	47	0	-3	36 SUST	4484 39000
	Amb to T1		149	154	0	2312	119 DISP	2431 49966
	Sus. + E1		46	47	0	0	0 OCC	4484 39000
	Sus. + E2		46	47	0	2	0 OCC	4486 39000
	Sus. + E3		46	47	0	1	0 OCC	4485 39000
	Sus. + E4		46	47	0	0	0 OCC	4484 39000
	Max P						H00P	7048 37440
+7 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	46	47	0	-2	36 SUST	4527 39000
	Amb to T1		149	154	0	2173	119 DISP	2291 49923
	Sus. + E1		46	47	0	0	0 OCC	4527 39000
	Sus. + E2		46	47	0	2	0 OCC	4528 39000
	Sus. + E3		46	47	0	1	0 OCC	4528 39000
	Sus. + E4		46	47	0	0	0 OCC	4527 39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+8 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	30	48	0	-2	31	SUST	4521 39000
	Amb to T1	79	158	0	2173	98	DISP	2270 49929
	Sus. + E1	30	48	0	0	0	OCC	4522 39000
	Sus. + E2	30	48	0	2	0	OCC	4523 39000
	Sus. + E3	30	48	0	1	0	OCC	4523 39000
	Sus. + E4	30	48	0	0	0	OCC	4522 39000
	Max P						H00P	7048 37440
+8 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	30	48	0	-2	31	SUST	4566 39000
	Amb to T1	79	158	0	2027	98	DISP	2125 49884
	Sus. + E1	30	48	0	0	0	OCC	4566 39000
	Sus. + E2	30	48	0	2	0	OCC	4568 39000
	Sus. + E3	30	48	0	1	0	OCC	4567 39000
	Sus. + E4	30	48	0	0	0	OCC	4567 39000
	Max P						H00P	7048 37440
+9 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	21	55	0	-2	32	SUST	4567 39000
	Amb to T1	49	181	0	2027	104	DISP	2131 49883
	Sus. + E1	21	55	0	0	0	OCC	4568 39000
	Sus. + E2	21	55	0	2	0	OCC	4569 39000
	Sus. + E3	22	55	0	1	0	OCC	4569 39000
	Sus. + E4	22	55	0	0	1	OCC	4568 39000
	Max P						H00P	7048 37440
+9 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	21	55	0	-2	32	SUST	4613 39000
	Amb to T1	49	181	0	1877	104	DISP	1980 49837

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	21	55	0	0	0	OCC	4614	39000
	Sus. + E2	21	55	0	2	0	OCC	4615	39000
	Sus. + E3	22	55	0	1	0	OCC	4615	39000
	Sus. + E4	22	55	0	0	1	OCC	4614	39000
	Max P						H00P	7048	37440
+10 - SIFI= 1.00 UNREST GR + Max P		14	49	0	-2	28	SUST	4609	39000
	Amb to T1	30	165	0	1877	93	DISP	1970	49841
	Sus. + E1	14	50	0	0	0	OCC	4610	39000
	Sus. + E2	14	49	0	2	0	OCC	4611	39000
	Sus. + E3	14	50	0	1	0	OCC	4611	39000
	Sus. + E4	15	50	0	0	1	OCC	4610	39000
	Max P						H00P	7048	37440
+10 + SIFI= 1.00 UNREST GR + Max P		14	49	0	-2	28	SUST	4658	39000
	Amb to T1	30	165	0	1719	93	DISP	1812	49792
	Sus. + E1	14	50	0	0	0	OCC	4658	39000
	Sus. + E2	14	49	0	1	0	OCC	4659	39000
	Sus. + E3	14	50	0	1	0	OCC	4659	39000
	Sus. + E4	15	50	0	0	1	OCC	4658	39000
	Max P						H00P	7048	37440
+11 - SIFI= 1.00 UNREST GR + Max P		2	6	0	-2	4	SUST	4633	39000
	Amb to T1	14	25	0	1719	16	DISP	1735	49817
	Sus. + E1	2	7	0	0	1	OCC	4633	39000
	Sus. + E2	2	6	0	1	0	OCC	4634	39000
	Sus. + E3	2	6	0	1	0	OCC	4634	39000
	Sus. + E4	2	7	0	0	1	OCC	4634	39000

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Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)		Type	Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress			
	Max P						HOOB	7048	37440
+11 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1		2	6	0	-2	4 SUST	4683	39000
	Sus. + E1		14	25	0	1556	16 DISP	1572	49767
	Sus. + E2		2	7	0	0	1 OCC	4683	39000
	Sus. + E3		2	6	0	1	0 OCC	4684	39000
	Sus. + E4		2	6	0	1	0 OCC	4684	39000
	Sus. + E4		2	7	0	0	1 OCC	4684	39000
	Max P						HOOB	7048	37440
+12 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1		37	108	0	-2	63 SUST	4742	39000
	Sus. + E1		124	349	0	1556	205 DISP	1761	49708
	Sus. + E2		37	109	0	0	1 OCC	4743	39000
	Sus. + E3		38	108	0	1	0 OCC	4744	39000
	Sus. + E4		37	108	0	1	0 OCC	4744	39000
	Sus. + E4		38	109	0	0	1 OCC	4743	39000
	Max P						HOOB	7048	37440
+12 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1		37	108	0	-2	63 SUST	4794	39000
	Sus. + E1		124	349	0	1386	205 DISP	1591	49656
	Sus. + E2		37	109	0	0	1 OCC	4795	39000
	Sus. + E3		38	108	0	1	0 OCC	4796	39000
	Sus. + E4		37	108	0	1	0 OCC	4796	39000
	Sus. + E4		38	109	0	0	1 OCC	4795	39000
	Max P						HOOB	7048	37440
A34 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00							
	Amb to T1		103	323	0	-2	188 SUST	4919	39000
			337	1057	0	1386	614 DISP	2000	49531

10in HDD Soft Clay
11/14/2015 10 IN HDD
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BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 232

Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		Shear Stress	(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment		Axial Stress	Bending Stress	Type		
	Sus. + E1	103	323	0	0	0	OCC	4919	39000
	Sus. + E2	103	324	0	1	1	OCC	4921	39000
	Sus. + E3	103	324	0	1	0	OCC	4920	39000
	Sus. + E4	103	323	0	0	0	OCC	4919	39000
	Max P						H00P	7048	37440
A34 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	100	324	0	-2	188	SUST	4971	39000
	Amb to T1	327	1060	0	1216	614	DISP	1831	49479
	Sus. + E1	100	324	0	0	0	OCC	4971	39000
	Sus. + E2	100	325	0	1	1	OCC	4973	39000
	Sus. + E3	100	325	0	1	0	OCC	4972	39000
	Sus. + E4	100	324	0	0	0	OCC	4971	39000
	Max P						H00P	7048	37440
+1 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	29	87	0	-2	51	SUST	4834	39000
	Amb to T1	93	288	0	1216	167	DISP	1384	49616
	Sus. + E1	29	87	0	0	1	OCC	4834	39000
	Sus. + E2	29	87	0	1	0	OCC	4835	39000
	Sus. + E3	29	87	0	1	0	OCC	4835	39000
	Sus. + E4	29	87	0	0	0	OCC	4834	39000
	Max P						H00P	7048	37440
+1 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	29	87	0	-2	51	SUST	4885	39000
	Amb to T1	93	288	0	1047	167	DISP	1215	49565
	Sus. + E1	29	87	0	0	1	OCC	4886	39000
	Sus. + E2	29	87	0	1	0	OCC	4887	39000
	Sus. + E3	29	87	0	1	0	OCC	4886	39000
	Sus. + E4	29	87	0	0	0	OCC	4886	39000

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BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 233

Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+2 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	8	34	0	-2	19 SUST	4854	39000
	Amb to T1	28	105	0	1047	60 DISP	1108	49596
	Sus. + E1	9	35	0	0	1 OCC	4855	39000
	Sus. + E2	9	34	0	1	0 OCC	4855	39000
	Sus. + E3	8	34	0	1	0 OCC	4855	39000
	Sus. + E4	8	35	0	0	1 OCC	4855	39000
	Max P						H00P	7048 37440
+2 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	8	34	0	-1	19 SUST	4908	39000
	Amb to T1	28	105	0	872	60 DISP	932	49542
	Sus. + E1	9	35	0	0	1 OCC	4908	39000
	Sus. + E2	9	34	0	1	0 OCC	4909	39000
	Sus. + E3	8	34	0	1	0 OCC	4908	39000
	Sus. + E4	8	35	0	0	1 OCC	4908	39000
	Max P						H00P	7048 37440
+3 - SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	21	73	0	-1	42 SUST	4930	39000
	Amb to T1	69	234	0	872	135 DISP	1007	49520
	Sus. + E1	21	73	0	0	0 OCC	4931	39000
	Sus. + E2	21	73	0	1	0 OCC	4931	39000
	Sus. + E3	21	73	0	1	0 OCC	4931	39000
	Sus. + E4	21	73	0	0	0 OCC	4931	39000
	Max P						H00P	7048 37440
+3 + SIFI= 1.00 UNREST GR + Max P	SIF0= 1.00	21	73	0	-1	42 SUST	4986	39000
	Amb to T1	69	234	0	690	135 DISP	825	49464

10in HDD Soft Clay
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BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 234

Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	21	73	0	0	0	OCC	4986	39000
	Sus. + E2	21	73	0	1	0	OCC	4987	39000
	Sus. + E3	21	73	0	0	0	OCC	4986	39000
	Sus. + E4	21	73	0	0	0	OCC	4986	39000
	Max P						H00P	7048	37440
+4 - SIFI= 1.00 UNREST GR + Max P		19	65	0	-1	38	SUST	4982	39000
	Amb to T1	63	210	0	690	122	DISP	812	49468
	Sus. + E1	19	66	0	0	0	OCC	4982	39000
	Sus. + E2	19	65	0	1	0	OCC	4982	39000
	Sus. + E3	19	65	0	0	0	OCC	4982	39000
	Sus. + E4	19	66	0	0	0	OCC	4982	39000
	Max P						H00P	7048	37440
+4 + SIFI= 1.00 UNREST GR + Max P		19	65	0	-1	38	SUST	5039	39000
	Amb to T1	63	210	0	502	122	DISP	623	49411
	Sus. + E1	19	66	0	0	0	OCC	5039	39000
	Sus. + E2	19	65	0	0	0	OCC	5040	39000
	Sus. + E3	19	65	0	0	0	OCC	5040	39000
	Sus. + E4	19	66	0	0	0	OCC	5040	39000
	Max P						H00P	7048	37440
+5 - SIFI= 1.00 UNREST GR + Max P		12	38	0	-1	22	SUST	5024	39000
	Amb to T1	38	124	0	502	72	DISP	573	49426
	Sus. + E1	12	38	0	0	0	OCC	5024	39000
	Sus. + E2	12	38	0	0	0	OCC	5024	39000
	Sus. + E3	12	38	0	0	0	OCC	5024	39000
	Sus. + E4	12	38	0	0	0	OCC	5024	39000

10in HDD Soft Clay
11/14/2015 10 IN HDD
11:18 AM

BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 235

Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)		(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress		
	Max P						H00P	7048 37440
+5 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	12	38	0	0	22 SUST	5083 39000
	Amb to T1		38	124	0	306	72 DISP	378 49367
	Sus. + E1		12	38	0	0	0 OCC	5084 39000
	Sus. + E2		12	38	0	0	0 OCC	5084 39000
	Sus. + E3		12	38	0	0	0 OCC	5084 39000
	Sus. + E4		12	38	0	0	0 OCC	5084 39000
	Max P						H00P	7048 37440
+6 UNREST	- SIFI= 1.00 GR + Max P	SIF0= 1.00	4	12	0	0	7 SUST	5068 39000
	Amb to T1		12	38	0	306	22 DISP	328 49382
	Sus. + E1		4	12	0	0	0 OCC	5068 39000
	Sus. + E2		4	12	0	0	0 OCC	5068 39000
	Sus. + E3		4	12	0	0	0 OCC	5068 39000
	Sus. + E4		4	12	0	0	0 OCC	5068 39000
	Max P						H00P	7048 37440
+6 UNREST	+ SIFI= 1.00 GR + Max P	SIF0= 1.00	4	12	0	0	7 SUST	5130 39000
	Amb to T1		12	38	0	104	22 DISP	126 49320
	Sus. + E1		4	12	0	0	0 OCC	5130 39000
	Sus. + E2		4	12	0	0	0 OCC	5130 39000
	Sus. + E3		4	12	0	0	0 OCC	5130 39000
	Sus. + E4		4	12	0	0	0 OCC	5130 39000
	Max P						H00P	7048 37440
A35 UNREST	SIFI= 1.00 GR + Max P	SIF0= 1.00	0	0	0	0	0 SUST	5123 39000
	Amb to T1		0	0	0	104	0 DISP	104 49327

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11/14/2015 10 IN HDD
11:18 AM

BENTLEY
AutoPIPE Advanced 9.6.1.11 RESULT PAGE 236

Point name	Load combination	ASME B31.8 (2012) CODE COMPLIANCE (Moments in ft-lb)			(Stress in psi)			Code Stress	Code Allow.
		In-Pl. Moment	Out-Pl. Moment	Shear Stress	Axial Stress	Bending Stress	Type		
	Sus. + E1	0	0	0	0	0	OCC	5123	39000
	Sus. + E2	0	0	0	0	0	OCC	5123	39000
	Sus. + E3	0	0	0	0	0	OCC	5123	39000
	Sus. + E4	0	0	0	0	0	OCC	5123	39000
	Max P						H00P	7048	37440

*** Segment A end ***

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BENTLEY
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R E S U L T S U M M A R Y

Maximum sustained stress ratio

Point : A34
Stress psi : 5130
Allowable psi : 39000
Ratio : 0.13
Load combination : GR + Max P

Maximum displacement stress ratio

Point : A17
Stress psi : 8469
Allowable psi : 50311
Ratio : 0.17
Load combination : Amb to T1

Maximum occasional stress ratio

Point : A34
Stress psi : 5130
Allowable psi : 39000
Ratio : 0.13
Load combination : Sus. + E2

Maximum hoop stress ratio

Point : A00
Stress psi : 7048
Allowable psi : 37440
Ratio : 0.19
Load combination : Max P

* * * The system satisfies ASME B31.8 (2012) code requirements * * *
* * * for the selected options * * *



WETLANDS UTILITY MAINTENANCE NOTIFICATION

Water Division/ Wetlands Bureau/ Land Resources Management

Check the Status of your Notification: www.des.nh.gov/onestop



RSA/ Rule: Env-Wt 100-900

Complete No. (see bottom of page 2): 2016-00319

Administrative Use Only	Administrative Use Only	Administrative Use Only	File Number:
			Check No.
			Amount:
			Initials:

This notification form and process is for the maintenance and in-kind repair of **existing utility services** within **existing rights of way** consistent with the *Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Water bodies in New Hampshire* (Utility BMP manual) published by the NH Department of Resources and Economic Development, (January 2010). Please read the Utility BMP manual (www.nhdes.org/maps-and-publications/publications.aspx) and RSA 482-A:3, XV, (<http://www.gencourt.state.nh.us/ras/html/L/482-A/482-A-3.htm>) before proceeding. Once the form is completed and submitted to the municipal clerk and the NHDES Wetlands Bureau, in accordance with RSA 482-A:3, XV, the work may begin.

1. UTILITY PROVIDER/COMPANY

UTILITY PROVIDER/COMPANY NAME: **Unitil - Granite State Gas Transmission**

AUTHORIZED REPRESENTATIVE: **Jon Pfister, Mgr - Gas System Operations**

UTILITY MAILING ADDRESS: **325 West Road**

TOWN/CITY: **Portsmouth**

STATE: **NH**

ZIP CODE: **03801**

PHONE: **603-294-5183**

FAX:

EMAIL: **pfister@unitil.com**

2. PROJECT LOCATION - A separate notification must be filed for each municipality jurisdictional impact will occur in.

TOWN/CITY: **Dover**

ZIP CODE: **03820**

3. PROPOSED PROJECT DESCRIPTION

The project is the installation of a replacement segment of existing buried natural gas pipe within an existing right-of-way adjacent to the Spaulding Turnpike in Dover. Unitil is required to replace and relocate this pipe segment a variable distance east of its current location, but still entirely within the existing ROW, to provide clearance for NHDOT's widening of the turnpike in this area. One section of the replacement pipe will be installed via horizontal directional drilling (HDD) adjacent to and beneath Pomeroy Cove, and will not impact wetlands. The second section of replacement pipe will be installed by trenching followed by direct burial and backfill, and will temporarily impact palustrine forested wetland and bordering ditch colonized by phragmites. All impacts will be temporary, and all work will be conducted in accordance with the New Hampshire Utility BMP Manual. The attached site map shows the location of the project.

4. PROJECT TYPE

☒	Equipment repair and maintenance in rights of way (ROW)		
☐	Vegetative maintenance within ROW (If access through private property is needed to reach the ROW, permission from the landowner(s) is required prior to conducting work)		
☐	Overhead Electric Lines	☐	Water supply Lines
☐	Overhead Telephone or Cable Lines	☐	Sewer Lines
☒	Natural Gas Lines	☐	Other:

5. IMPACTED RESOURCES - Check all that apply

☒	Temporary Non-Tidal Wetland	☐	Temporary Intermittent Stream Crossing
☐	Temporary (2-years max) Perennial Stream or River Crossing		

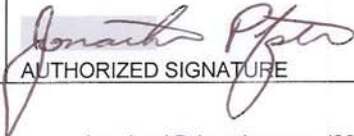
6. ATTACHMENTS - Verify the following attachments are submitted with this form by checking each box below.

☒	Copy of a USGS topographic map (at its original scale 1:24,000 or 1:25,000) with the project location(s) or utility corridor clearly identified
☒	\$200 filing fee (nonrefundable) made payable to: Treasurer, State of NH
☒	A Letter or memo from the Department of Resources and Economic Development's Natural Heritage Bureau (NHB) indicating that NHB has reviewed your project. Contact NHB at (603) 271-2215 ext. 323 or NHBReview@dred.gov.nh for instructions on how to submit project information (method may vary depending on project complexity). NHB File No.: <u>15-3230,15-3854</u>

7. CONFIRMATIONS

☒	All impacts are temporary and will be restored, repaired or removed upon completion of work.
☒	Temporary impacts are a result of in-kind repairs or replacement
☒	The NH Natural Heritage Bureau (NHB) has reviewed the project and reported "No potential impacts" to exemplary natural communities and state-listed species OR such elements are present but I have received recommendations on how to avoid potential impacts from NHB and/or the NH Fish and Game Department.
☒	I have obtained, read, understand, and retained a copy of the <i>Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire</i> published by the NH Department of Resources and Economic Development. Link: www.nhdf.org/maps-and-publications/publications.aspx
☒	I understand that I may not proceed with the work until this completed application package has been submitted to the DES and the municipal clerk.
☒	I understand that once I submit this form, changes or additions to the projects within the municipality will be done by way of an amendment and within the 1 year duration of this Complete Utility Maintenance Notification.
☒	This notification does not exempt you from meeting all other local, state, or federal permits or requirements. Work carried out in violation of any statute rule or condition is subject to enforcement action.
☒	I will confirm that this Utility Notification has been deemed complete and has been issued a file number from DES by checking the "One-Stop Wetland Permits Query" at: http://www2.des.state.nh.us/OneStop/Wetland Permits Query.aspx or by telephone at 603-271-2147 before starting work. I will record the DES file number on the top of Page 1 of this form.
☒	This complete Utility Maintenance Notification is valid for one year from the Notification Completion Date as found on the DES One Stop website.

8. SIGNATURE

Jonathan Pfister PRINT NAME LEGIBLY	 AUTHORIZED SIGNATURE	1/28/2016 DATE
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shoreland@des.nh.gov or (603) 271-2147
NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
www.des.nh.gov

SITE LOCATION MAP

Unitil
Granite State Gas Transmission
Spaulding Turnpike
Pipe Replacement
Dover, NH

Legend

- Buried Pipeline Segment to be Replaced by Trenching and Backfill
- Buried Pipeline Segment to be Replaced by Horizontal Directional Drilling

Location of Site



Notes & Sources

January 2016



Amec Foster Wheeler
Environment & Infrastructure, Inc.
271 Mill Road
Chelmsford, MA 01824
(978) 692-9090

