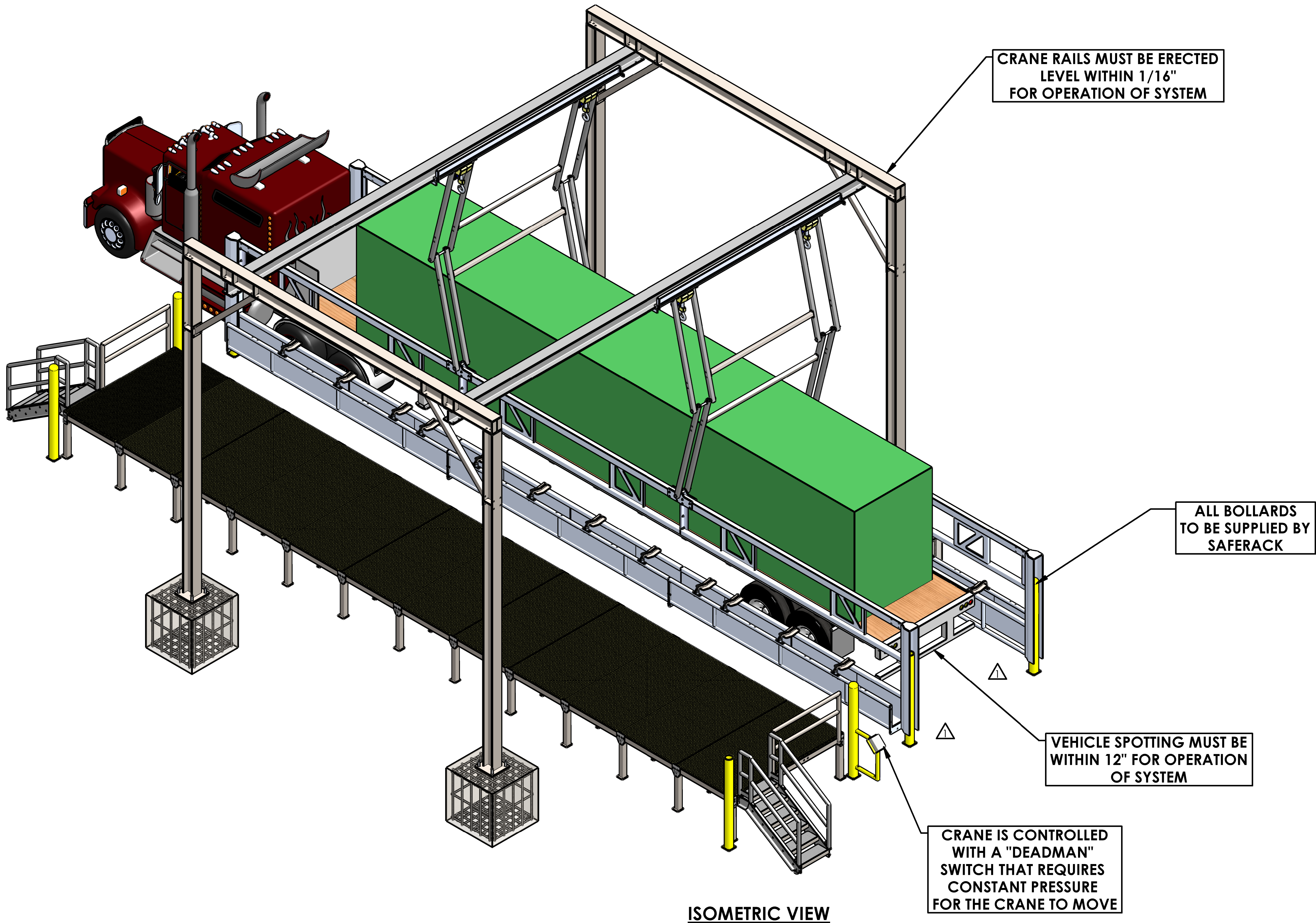




STRUCTURAL STEEL NOTES

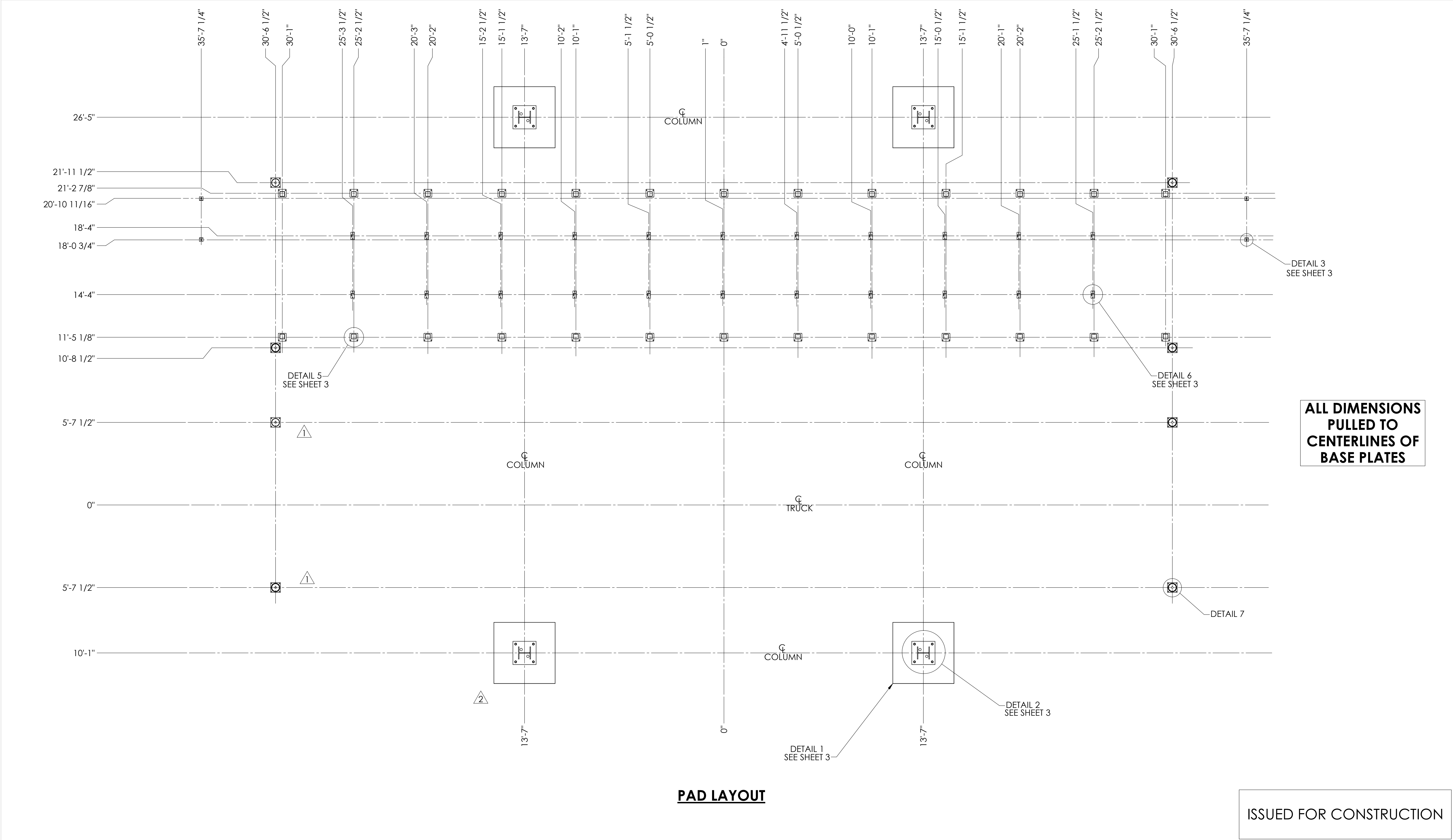
- STRUCTURAL STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS (UNLESS NOTED OTHERWISE):
 - ALL WF & WT SHAPES SHALL CONFORM TO ASTM A992 (50 KSI)
 - ALL PLATE, CHANNELS, ANGLES, BARS AND FLATS SHALL CONFORM TO A36 (36 KSI)
 - ALL HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A500, GRADE B (46 KSI)
 - PIPE SECTIONS SHALL CONFORM TO ASTM A53, GRADE B
 - ANCHOR BOLTS ARE TO BE ASTM F1554 (36 KSI)
- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL COMPLY WITH THE REQUIREMENTS OF THE AISC STEEL CONSTRUCTION MANUAL.
- ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" ϕ HIGH STRENGTH BOLTS (ASTM F3125, GRADE A325) UNLESS OTHERWISE NOTED ON THE DRAWING. CONNECTIONS SHALL BE DESIGNED AS BEARING TYPE WITH THREADS IN SHEAR PLANE.
- THE MINIMUM NUMBER OF BOLTS PER CONNECTION SHALL BE TWO (2). ALL BOLTED CONNECTIONS SHALL BE TIGHTENED BY THE "TURN-OF-THE-NUT" METHOD AS DESCRIBED BY AISC.
- ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND PROCEDURES OF THE AMERICAN WELDING SOCIETY (AWS) BY CERTIFIED WELDERS. WELDING FOR STRUCTURAL STEEL SHALL BE MADE WITH E70 LOW HYDROGEN ELECTRODES.
- THE MINIMUM THICKNESS OF ANY GUSSET PLATE IS TO BE 3/8
- GROUT MATERIAL FOR BASE PLATES SHALL BE NON-METALLIC, NON-SHRINK, PRE-PACKAGED GROUT CONFORMING TO ASTM C 1107.
- COLUMN BASE PLATES SHALL BE WITHIN 1/16" OF THEORETICAL ELEVATION AND BE LEVEL WITHIN 0.01 INCH ACROSS PLATE LENGTH OR WIDTH.

TARPING SYSTEM NOTES:

- RUNWAY BEAM SHALL BE ENAMEL PAINTED.
- TARPING SYSTEM CRANE SHALL CONSIST OF:
 - UNDER RUNNING TARPING SYSTEM PAINTED SAFETY YELLOW. CRANE SPEED OF 55 FPM
 - DRIVE TRACTORS WITH TOWBAR.
 - ELECTRIC CHAIN HOIST W/15' OF CHAIN.
 - ELECTRIC SERVICE 460V/3PH/60HZ-25AMPS.
- TARPING SYSTEM TO BE LOCATED INSIDE BUILDING STRUCTURE TO ALLOW FOR SAFE TARPING OPERATION AWAY FROM WIND INTERFERENCE.
- ALL ELECTRICAL WIRING BY OTHERS.

ISSUED FOR CONSTRUCTION

				DO NOT SCALE	TOLERANCES: UNLESS OTHERWISE SPECIFIED	SAFERACK WELDING STANDARDS SEAL WELD UNLESS OTHERWISE NOTED USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED	ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE DISCLOSED IN ANY FORM WITHOUT PRIOR WRITTEN CONSENT OF SAFERACK LOADING RACK TECHNOLOGIES	 SafeRack LOADING RACK TECHNOLOGIES	CUSTOMER INFORMATION: SHARON TUBE COMPANY 20 CHURCH STREET FARRELL PA 16121 USA DESCRIPTION: GENERAL ARRANGEMENT AUTOMATIC TARPING SYSTEM	DRAWN: BV 04/21/23 Part Name									
				PROJECTION:  THIRD ANGLE	LINEAR: +/- 1/8" ANGULAR: +/- 1/2"	 Material Thickness of Thinner Part Joined (inch) To 1/4" 1/8" Over 1/4" to 1/2" 3/16" Over 1/2" to 3/4" 1/4" Over 3/4" 5/16"				CHECK: ZL 04/03/23 ABAS #: ABAS # SHEET:									
#	DESCRIPTION	DATE	BY					HOME OFFICE: 730 ELECTRIC DRIVE, SUMTER, SC 29153 PLANT: 219 SAFETY AVENUE, ANDREWS, SC 29510											
2	REVISED COLUMN LAYOUT	05/02/23	BV																
1	REMOVED CURBS PER CUSTOMER REQUEST	04/21/23	BV																



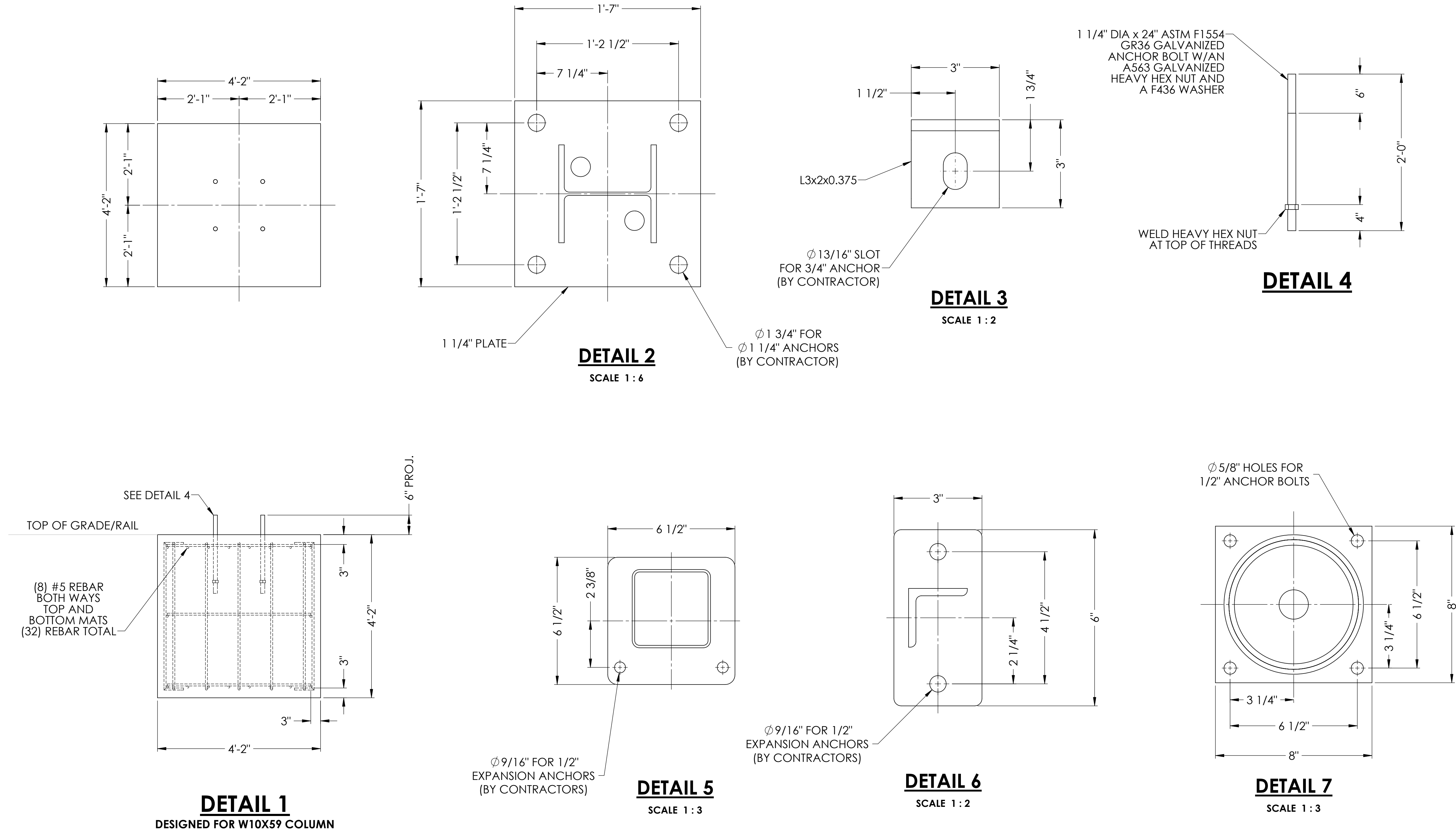
PAD LAYOUT

ISSUED FOR CONSTRUCTION

				DO NOT SCALE		TOLERANCES: UNLESS OTHERWISE SPECIFIED		SAFERACK WELDING STANDARDS SEAL WELD UNLESS OTHERWISE NOTED USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED		SafeRack LOADING RACK TECHNOLOGIES HOME OFFICE: 730 ELECTRIC DRIVE, SUMTER, SC 29153 PLANT: 219 SAFETY AVENUE, ANDREWS, SC 29510		CUSTOMER INFORMATION: SHARON TUBE COMPANY 20 CHURCH STREET FARRELL PA 16121 USA		DRAWN: BV 04/21/23		Part Name	
2 REVISED COLUMN LAYOUT 05/02/23 BV				PROJECTION:		LINEAR: +/- 1/8"		Material Thickness of Thinner Part Joined (inch) To 1/4" 1/8"				ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE DISCLOSED IN ANY FORM WITHOUT PRIOR WRITTEN CONSENT OF SAFERACK LOADING RACK TECHNOLOGIES		CHECK: ZL 04/03/23		ABAS #: ABAS # SHEET:	
1 REMOVED CURBS PER CUSTOMER REQUEST 04/21/23 BV						ANGULAR: +/- 1/2"		Over 1/4" to 1/2" 3/16" Over 1/2" to 3/4" 1/4" Over 3/4" 5/16"						ENG:		FINISH: Finish 2 OF 6	
# DESCRIPTION DATE BY				THIRD ANGLE										APVL: BL		SCALE: 1:36 SIZE: D	
														P.O.# VERBAL-688-3		DWG#: 253000-C2 REV: 2	

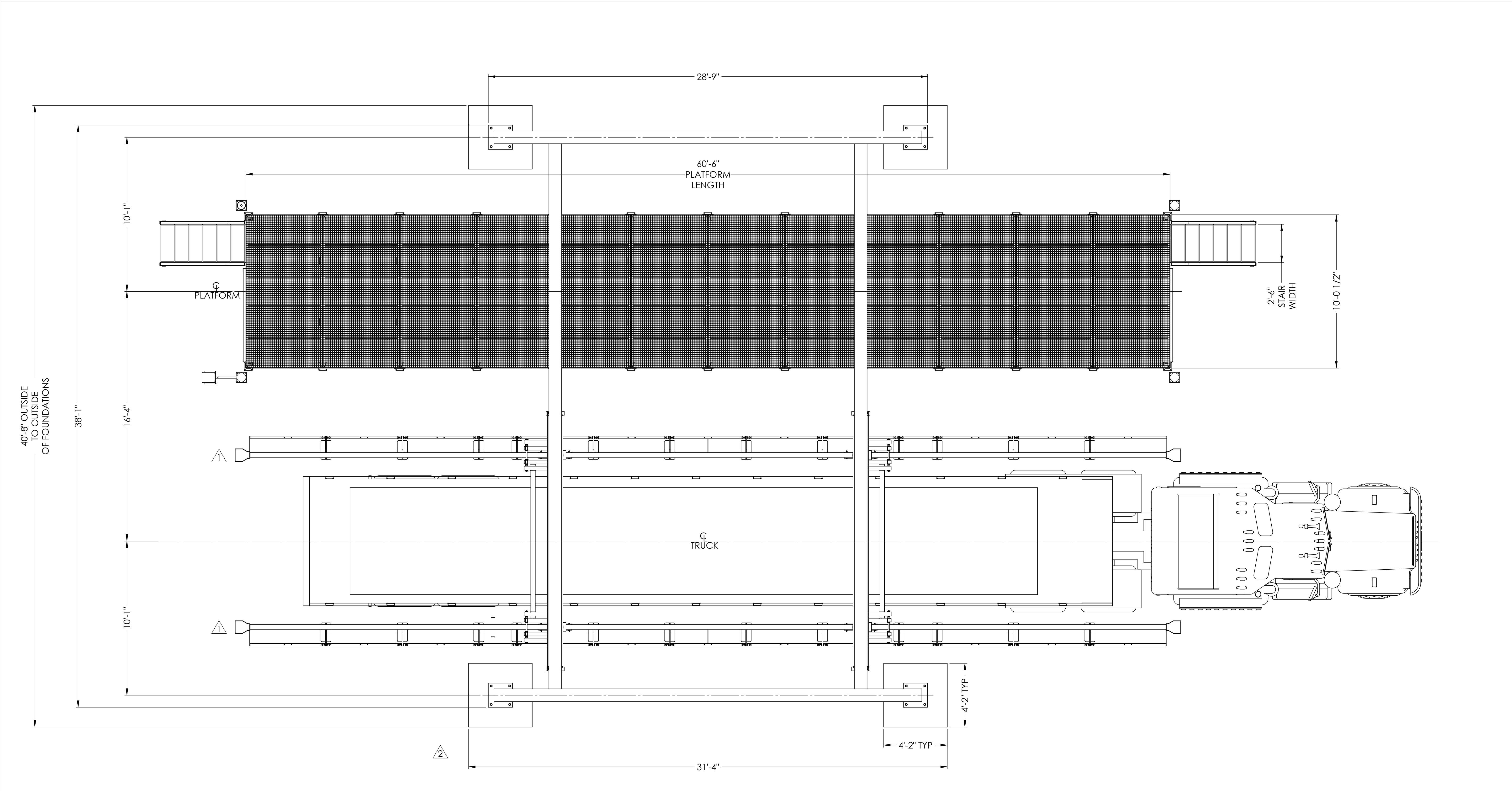
FOUNDATION NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI) 318 & ACI 301 CURRENT EDITION. CONCRETE SHALL OBTAIN MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:
- CONCRETE MINIMUM COMPRESSIVE STRENGTH, $f'_c = 3000$ PSI
 - AIR CONTENT: 4% TO 6%
2. FOUNDATION DESIGN PROVIDED BY SAFERACK IS BASED ON ASSUMED SOIL BEARING CAPACITIES, UNLESS A GEOTECHNICAL REPORT WAS PROVIDED TO SAFERACK, IN WHICH CASE THE FOUNDATION DESIGN IS BASED ON THE BEARING CAPACITIES AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT. FOUNDATION DESIGN IS BASED ON PRESUMPTIVE SOIL PARAMETERS. IF SOFT, COLLAPSING, CORROSIVE, ORGANIC, OR OTHERWISE UNFAVORABLE SOILS ARE ENCOUNTERED, CONTACT SAFERACK FOR ADDITIONAL FOUNDATION REQUIREMENTS. IF A GEOTECH REPORT WAS NOT PROVIDED, IT IS THE CUSTOMERS RESPONSIBILITY TO DETERMINE IF SITE CONDITIONS MATCH ASSUMED CONDITIONS. IF ON SITE CONDITIONS ARE FOUND TO BE LESS THAN THE DESIGN MINIMUM VALUES SHOWN BELOW, FOUNDATION DESIGN SHOULD BE REVIEWED FOR ADEQUACY.
- NET ALLOWABLE BEARING CAPACITY = 2000 PSF
 - LATERAL BEARING CAPACITY = 150 PSF PER FOOT OF DEPTH BELOW GRADE
 - COEFFICIENT OF FRICTION = .025
3. FOUNDATION DESIGN BASED ON FROST DEPTH STATED BELOW. IF LOCAL CODES OR EXPERIENCE SPECIFY THAT FROST DEPTH IS GREATER THAN STATED BELOW, INCREASE FOUNDATION DEPTH OR LOWER PLACEMENT OF FOUNDATION TO ACCOUNT FOR FROST DEPTH.
- FROST DEPTH = 50"
4. REMOVAL OR RELOCATION OF ANY EXISTING OBSTRUCTIONS ENCOUNTERED DURING EXCAVATION SHALL BE BY OTHERS.
5. THE EXISTING SUB GRADE SHALL BE CLEARED OF ALL STONES, TOP SOIL, WOOD, MUD, AND OTHER DEBRIS. A MINIMUM 6" OF 1" MINUS CRUSHED GRANULAR FILL COMPACTED TO 95 SPMD UNDER THE FOUNDATION PADS IS REQUIRED. SOFT AREAS SHALL BE OVER EXCAVATED AND REPLACED WITH GRANULAR FILL PLACED IN 6" LIFTS.
6. THE DESIGN AND ENGINEERING OF THE FORMWORK, AS WELL AS ITS CONSTRUCTION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. REINFORCING STEEL SHALL BE NEW BILLET STEEL AND SHALL CONFORM TO ASTM A615, GRADE 60. REINFORCING STEEL SHALL BE HANDLED AND PLACED IN ACCORDANCE WITH ACI 318 CURRENT EDITION. METAL REINFORCEMENT AT THE TIME CONCRETE IS PLACED SHALL BE FREE FROM LOOSE RUST, SCALE, OR OTHER COATINGS THAT WILL DESTROY OR REDUCE THE BOND. ALL BARS SHALL BE BENT COLD. REINFORCEMENT MAY BE SHOP FABRICATED OR FIELD-BENT. BAR LAPS SHALL BE CLASS "B" AND A MINIMUM OF 19".
8. ALL REINFORCING SHALL BE ACCURATELY SECURED IN PLACE BY USE OF METAL OR CONCRETE SUPPORT, TIES, OR SPACERS. SUCH SUPPORTS SHALL BE OF SUFFICIENT STRENGTH TO MAINTAIN THE REINFORCEMENT IN PLACE THROUGHOUT THE CONCRETING OPERATION.
9. CONCRETE SHALL BE DEPOSITED CONTINUOUSLY OR IN LAYERS OF SUCH THICKNESS THAT NO FRESH CONCRETE SHALL BE DEPOSITED ON CONCRETE WHICH HAS HARDENED SUFFICIENTLY TO CAUSE FORMATIONS OF SEAMS OR PLANES OF WEAKNESS ACROSS THE SECTION. DUE TO POSSIBLE SEPARATION OF INGREDIENTS, FREE FALL OF CONCRETE SHALL NOT EXCEED FOUR (4) FEET UNLESS OTHERWISE APPROVED BY THE ENGINEER.
10. THE TEMPERATURE OF CONCRETE AT TIME OF PLACEMENT SHALL NOT BE LESS THAN 45°F NOR MORE THAN 90°F. ANY SURFACES THAT CONCRETE SHALL CONTACT SHALL BE HEATED TO BE ABOVE 32°F.
11. ALL CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION SO THAT THE CONCRETE IS THOROUGHLY WORKED AROUND THE REINFORCEMENT, AROUND THE EMBEDDED ITEMS, AND INTO THE CORNERS OF FORMS, ELIMINATING ALL AIR OR STONE POCKETS WHICH MAY CAUSE HONEYCOMBING, PITTING OR PLANES OF WEAKNESS. EXCESSIVE VIBRATION AND USE OF VIBRATORS TO TRANSPORT CONCRETE WITHIN FORMS SHALL NOT BE ALLOWED.
12. FRESHLY DEPOSITED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING AND EXCESSIVELY HOT OR COLD TEMPERATURES, AND SHALL BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR THE PERIOD OF TIME NECESSARY FOR THE HYDRATION OF THE CEMENT AND PROPER HARDENING OF THE CONCRETE. DURING THE CURING PROCESS, THE CONCRETE SHALL BE PROTECTED FROM DAMAGE OR MECHANICAL DISTURBANCES, PARTICULARLY LOAD STRESSES, HEAVY SHOCK, AND EXCESSIVE VIBRATION.
13. ALL EXPOSED CORNERS OF CONCRETE SHALL BE FORMED INTO A 3/4" X 45° CHAMFER UNLESS NOTED OTHERWISE.
14. ANCHOR BOLTS SHALL NOT DEViate FROM THEIR THEORETICAL LOCATION BY MORE THAN 0.4 TIMES THE DIFFERENCE BETWEEN THE BOLT DIAMETER AND THE HOLE DIAMETER IN THE BASEPLATE THROUGH WHICH THE BOLT PASSES.
15. PROPORTION AND DESIGN MIXES TO RESULT IN CONCRETE SLUMP AT POINT OF PLACEMENT NOT LESS THAN 3" AND NOT MORE THAN 5". ADDITION OF WATER TO READY-MIX CONCRETE IN THE FIELD SHALL NOT BE ALLOWED.
16. SAMPLING AND TESTING, IF REQUIRED BY OWNER, SHALL BE BASED ON SAMPLE PLAN AND SCHEDULE AS SPECIFIED BY OWNER. OWNER AND CONTRACTOR TO DETERMINE HOW COSTS OF SAMPLING AND TESTING WILL BE SHARED.



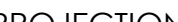
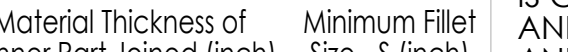
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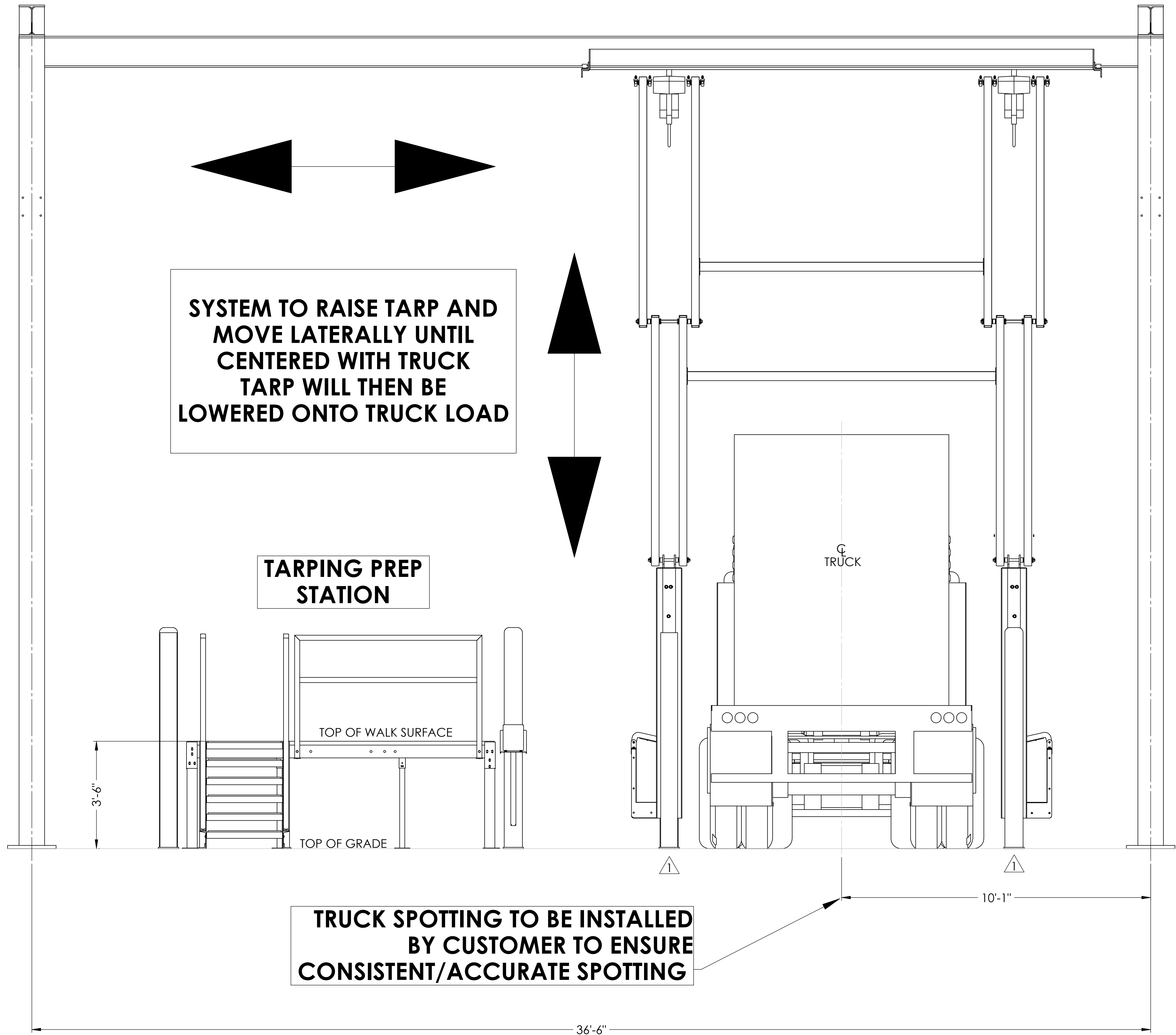
				DO NOT SCALE	TOLERANCES: UNLESS OTHERWISE SPECIFIED	SAFERACK WELDING STANDARDS SEAL WELD UNLESS OTHERWISE NOTED USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED	ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE DISCLOSED IN ANY FORM WITHOUT PRIOR WRITTEN CONSENT OF SAFERACK LOADING RACK TECHNOLOGIES	 SafeRack LOADING RACK TECHNOLOGIES HOME OFFICE: 730 ELECTRIC DRIVE, SUMTER, SC 29153 PLANT: 219 SAFETY AVENUE, ANDREWS, SC 29510	CUSTOMER INFORMATION: SHARON TUBE COMPANY 20 CHURCH STREET FARRELL PA 16121 USA		DRAWN: BV	04/21/23	Part Name			
2	REVISED COLUMN LAYOUT			05/02/23	BV	PROJECTION:	LINEAR: $\pm \frac{1}{8}$		 Material Thickness of Thinner Part Joined (inch) To 1/4" Over 1/4" to 1/2" Over 1/2" to 3/4" Over 3/4" Minimum Fillet Size - S (inch) 1/8" 3/16" 1/4" 5/16"	CHECK: ZL	04/03/23	ABAS #:	ABAS #	SHEET:		
1	REMOVED CURBS PER CUSTOMER REQUEST			04/21/23	BV	ANGULAR: $\pm \frac{1}{2}$	ENG:				FINISH:	Finish	3 OF 6			
#	DESCRIPTION			DATE	BY	THIRD ANGLE	APVL: BL				SCALE:	1:18	SIZE: D			
DESCRIPTION: GENERAL ARRANGEMENT AUTOMATIC TARPING SYSTEM												P.O.#	VERBAL-688-3	DWG#:	253000-C3	REV: 2



PLAN VIEW

ISSUED FOR CONSTRUCTION

				DO NOT SCALE	TOLERANCES: UNLESS OTHERWISE SPECIFIED	SAFERACK WELDING STANDARDS SEAL WELD UNLESS OTHERWISE NOTED USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED	ALL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE DISCLOSED IN ANY FORM WITHOUT PRIOR WRITTEN CONSENT OF SAFERACK LOADING RACK TECHNOLOGIES	 SafeRack LOADING RACK TECHNOLOGIES	HOME OFFICE: 730 ELECTRIC DRIVE, SUMTER, SC 29153 PLANT: 219 SAFETY AVENUE, ANDREWS, SC 29510	CUSTOMER INFORMATION: SHARON TUBE COMPANY 20 CHURCH STREET FARRELL PA 16121 USA	DRAWN: BV	04/21/23	Part Name				
2	REVISED COLUMN LAYOUT	05/02/23	BV	PROJECTION:  THIRD ANGLE	LINEAR: $\pm \frac{1}{8}$ "	 Material Thickness of Thinner Part Joined (inch) To 1/4" Over 1/4" to 1/2" Over 1/2" to 3/4" Over 3/4" Minimum Fillet Size - S (inch) 1/8" 3/16" 1/4" 5/16"				CHECK: ZL	04/03/23	ABAS #:	ABAS #	SHEET:			
1	REMOVED CURBS PER CUSTOMER REQUEST	04/21/23	BV		ANGULAR: $\pm \frac{1}{2}$ "					ENG:		FINISH:	Finish	4 OF 6			
#	DESCRIPTION	DATE	BY							APVL: BL		SCALE:	1:36	SIZE: D			
										DESCRIPTION: GENERAL ARRANGEMENT AUTOMATIC TARPING SYSTEM	P.O.#	VERBAL-688-3	DWG#:	253000-C4	REV: 2		



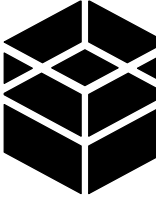
ELEVATION VIEW

ISSUED FOR CONSTRUCTION

2	REVISED COLUMN LAYOUT	05/02/23	BV
1	REMOVED CURBS PER CUSTOMER REQUEST	04/21/23	BV
#	DESCRIPTION	DATE	BY

DO NOT SCALE	TOLERANCES: UNLESS OTHERWISE SPECIFIED	SAFERACK WELDING STANDARDS SEAL WELD UNLESS OTHERWISE NOTED USE FILLETS LISTED BELOW UNLESS OTHERWISE NOTED
PROJECTION: 	LINEAR: $\pm \frac{1}{8}$ ANGULAR: $\pm \frac{1}{2}^\circ$	 Material Thickness of Thinner Part Joined (inch) To 1/4" 1/8" Over 1/4" to 1/2" 3/16" Over 1/2" to 3/4" 1/4" Over 3/4" 5/16"
THIRD ANGLE		

ALL INFORMATION
CONTAINED HEREIN
IS CONFIDENTIAL
AND PROPRIETARY
AND MAY NOT BE
DISCLOSED IN ANY
FORM WITHOUT PRIOR
WRITTEN CONSENT OF
SAFERACK LOADING
RACK TECHNOLOGIES

**SafeRack**
LOADING RACK TECHNOLOGIES

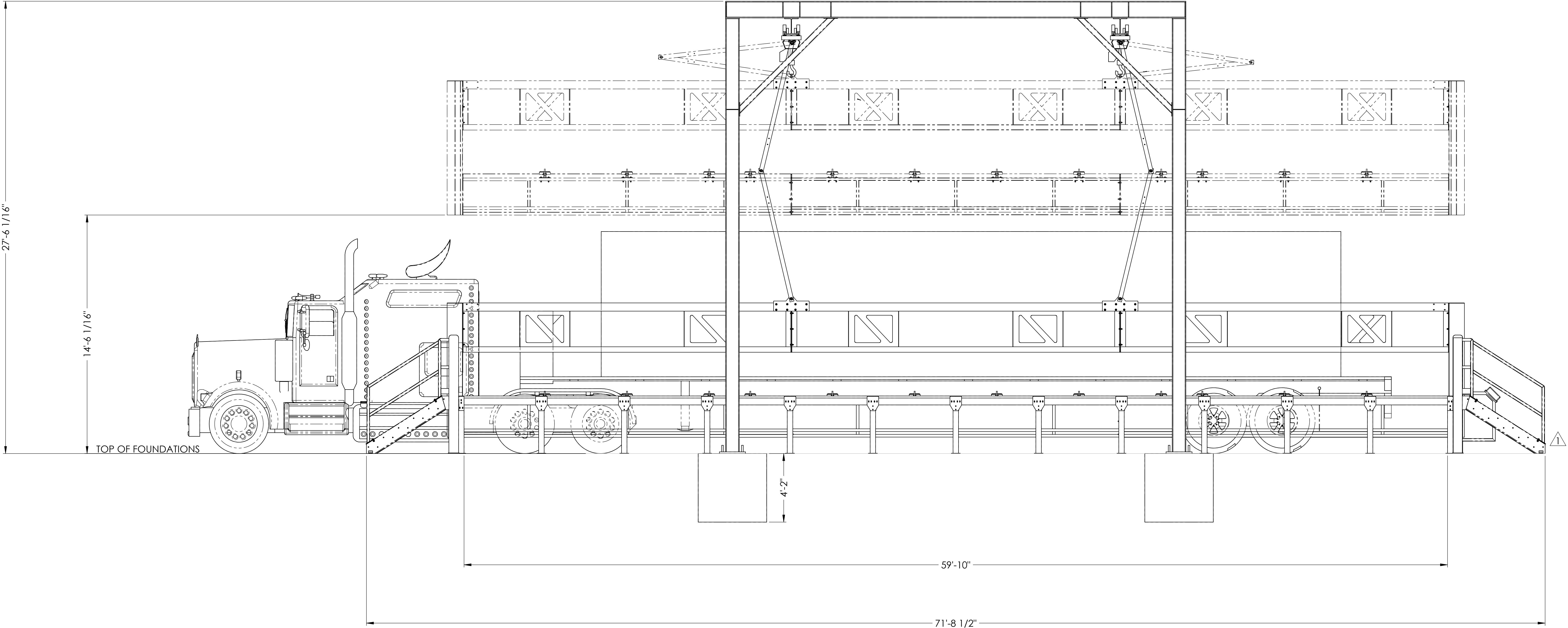
HOME OFFICE: 730 ELECTRIC DRIVE, SUMTER, SC 29153
PLANT: 219 SAFETY AVENUE, ANDREWS, SC 29510

CUSTOMER INFORMATION:
SHARON TUBE COMPANY
20 CHURCH STREET
FARRELL PA 16121
USA

DESCRIPTION: GENERAL ARRANGEMENT
AUTOMATIC TARPING SYSTEM

DRAWN: BV	04/21/23	Part Name	
CHECK: ZL	04/03/23	ABAS #:	ABAS #
ENG:		FINISH:	Finish
APVL: BL		SCALE:	1:24
P.O.#	VERBAL-688-3	DWG#:	253000-C5
		SIZE:	D
		REV:	2

TOP OF CRANE RAIL
SHOULD ALLOW MIN 5 FEET
FOR RIGGING & INSTALLING



ELEVATION VIEW
TARPING CRANE SHOWN IN ALTERNATE RAISED POSITION

ISSUED FOR CONSTRUCTION

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1	REMOVED CURBS PER CUSTOMER REQUEST	04/21/23	BV	THIRD ANGLE						ENG:		FINISH:	Finish	6 OF 6
#	DESCRIPTION	DATE	BY							APVL: BL		SCALE:	1:36	SIZE: D
								HOME OFFICE: 730 ELECTRIC DRIVE, SUMTER, SC 29153 PLANT: 219 SAFETY AVENUE, ANDREWS, SC 29510		P.O.#	VERBAL-688-3	DWG#:	253000-C6	REV: 2