

A Division of PORTERCORP 4240 N. 136th AVE HOLLAND, MI. 49424 (616) 399-1963
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PROJECT NAME: LOWENSTEIN PARK

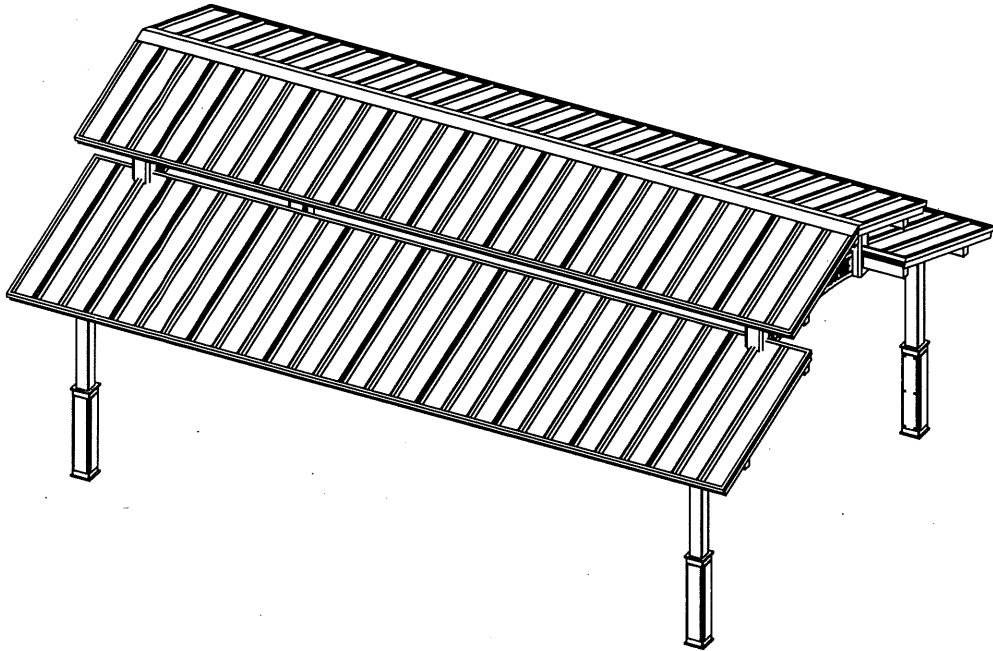
PROJECT LOCATION: LEE'S SUMMIT, MO

BUILDING TYPE: CHE 20X28

ROOF TYPE: MULTI-RIB OVER STAINED T & G

BUILDING NUMBER: P10325

ORDER NUMBER: 65979



DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL ELEVATIONS
2-2.1	ANCHOR AND FOOTING LAYOUT / DETAILS
3-3.1	STRUCTURAL FRAMING PLAN
4-4.2	FRAME CONNECTION DETAILS
5-5.2	ROOF LAYOUT
6-6.2	ROOF CONNECTION DETAILS

MANUFACTURER NOTES:

MATERIALS:

DESCRIPTION	ASTM DESIGNATION
TUBE STEEL	A500 (GRADE B)
SCHEDULE PIPE	A53 (GRADE B)
RMT PIPE	A519
LIGHT GAGE COLD FORMED	A1003 (GRADE 50)
STRUCTURAL STEEL PLATE	A36
ROOF PANELS (STEEL)	A653
ANCHOR BOLTS	SEE SHEET 2.1

GENERAL NOTES:

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS AND FINAL INSTALLATION INSTRUCTIONS INCLUDED WITH THE STRUCTURE FOR POSSIBLE SUBSTITUTIONS AND IMPROVEMENTS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

FABRICATOR APPROVALS:

CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CLARK COUNTY, NV APPROVED FABRICATOR #264
STATE OF UTAH APPROVED FABRICATOR 02008-14

CERTIFICATES:

MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 18-0813.22
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

DESIGN CRITERIA:

GENERAL:

2018 INTERNATIONAL BUILDING CODE
RISK CATEGORY: II

DEAD LOAD:

ROOF DEAD LOAD: 6 PSF
FRAME DEAD LOAD: SELF WEIGHT

LIVE LOAD:

ROOF LIVE LOAD: 20 PSF

SNOW DESIGN DATA:

GROUND SNOW LOAD (Pg): 20 PSF
FLAT ROOF SNOW LOAD (Pf): 20 PSF
SNOW EXPOSURE FACTOR (Ce): 1.0
SNOW LOAD IMPORTANCE FACTOR (Is): 1.0
THERMAL FACTOR (Ct): 1.2

WIND DESIGN DATA:

BASIC WIND SPEED (V): 110 MPH
GUST EFFECT FACTOR (G): 0.85
INTERNAL PRESSURE COEFFICIENT (GCpi): 0
WIND EXPOSURE: C

SEISMIC DESIGN DATA:

STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
SEISMIC IMPORTANCE FACTOR (Ie): 1.0
SEISMIC DESIGN CATEGORY: C
SEISMIC SITE CLASS: D
SEE CALCULATIONS FOR ADDITIONAL DATA

ADDITIONAL CRITERIA:

NONE

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CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

08/21/2020

10/25/19

IF THESE DRAWINGS ARE SEALED, THE SEAL APPLIES ONLY TO BUILDING COMPONENTS (AND FOUNDATION DESIGN IF APPLICABLE) DETAILED WITHIN THESE DRAWINGS.

PROJECT: LOWENSTEIN PARK

PROJECT LOCATION: LEE'S SUMMIT, MO

DRAWING: COVER SHEET

PRINT DATE: 10/22/2019

SCALE: 1:80

DRAWN BY: briste

REV LEVEL: A

CREATION DATE: 5/14/2015

BUILDING NO: P10325

CAD MODEL: P10325

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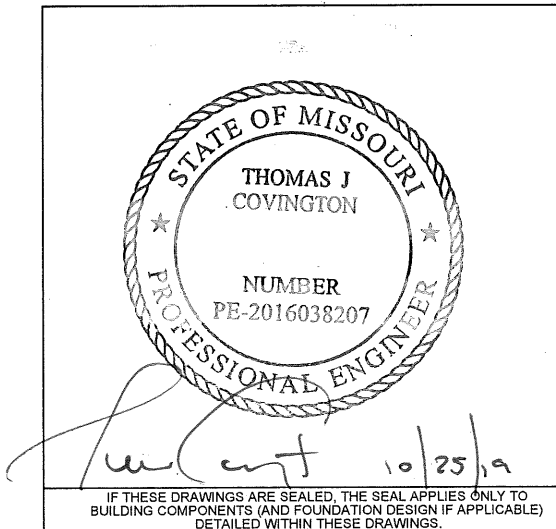
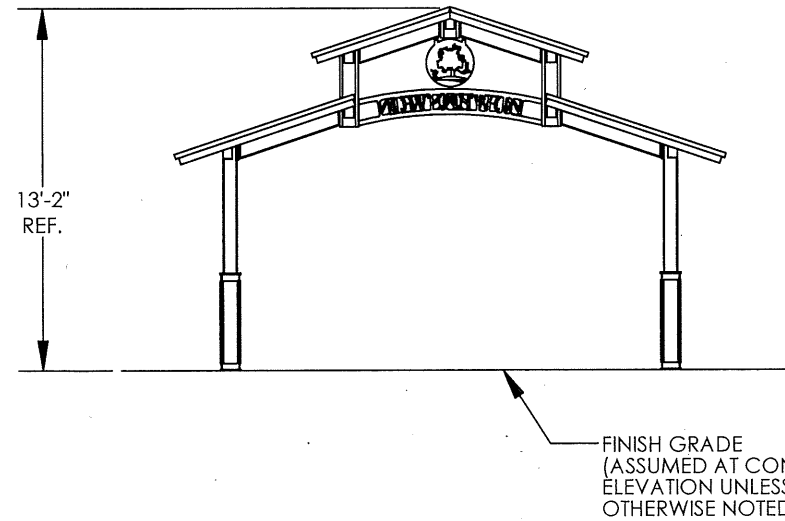
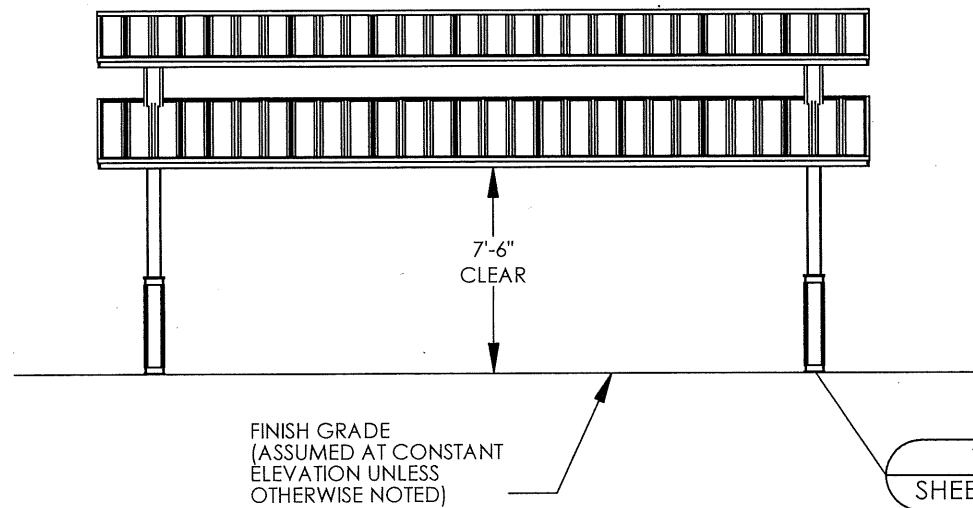
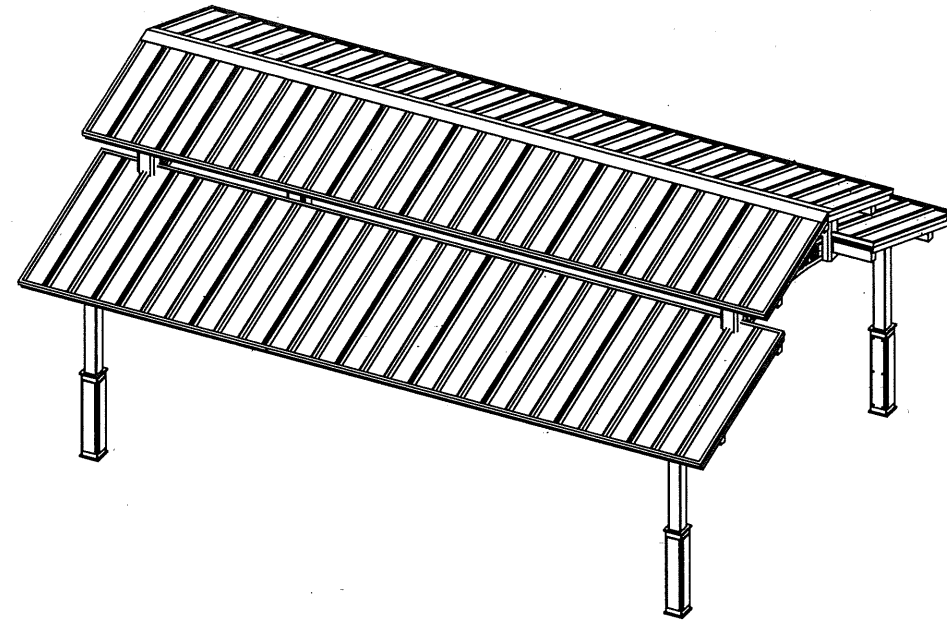
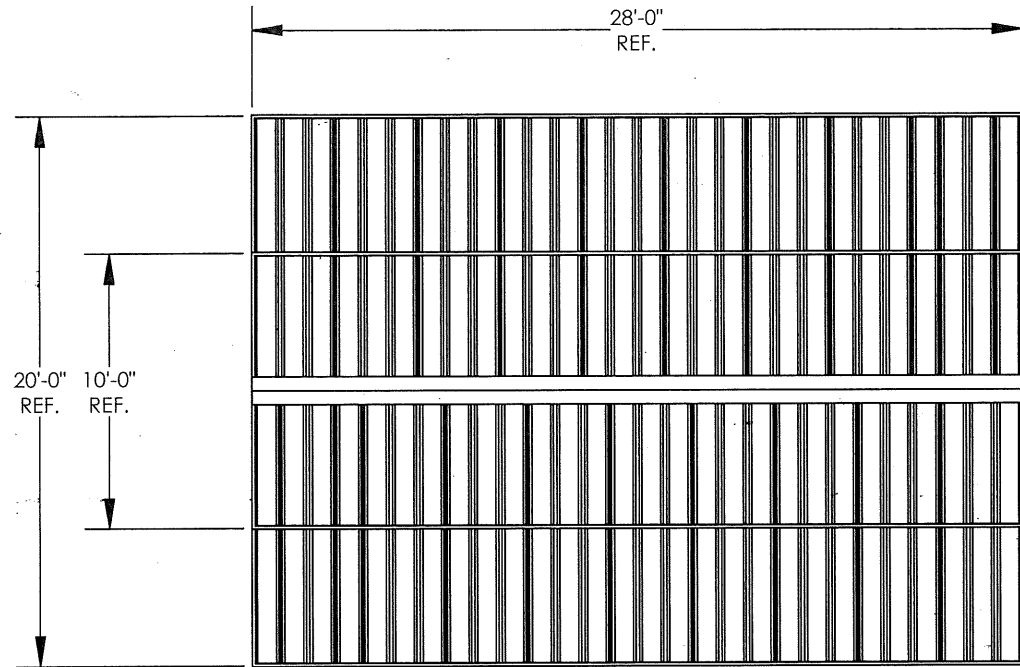
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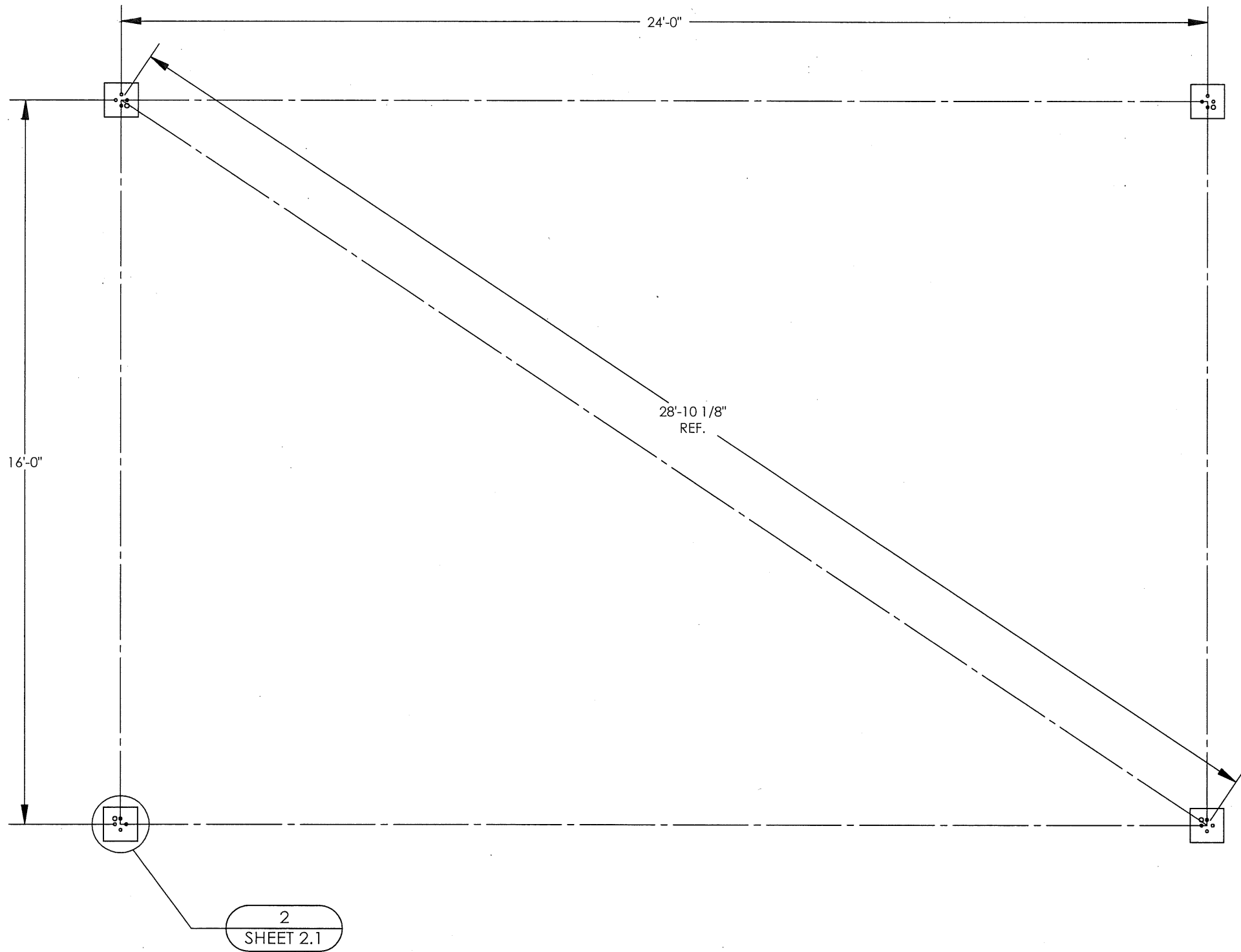
SHEET

CS



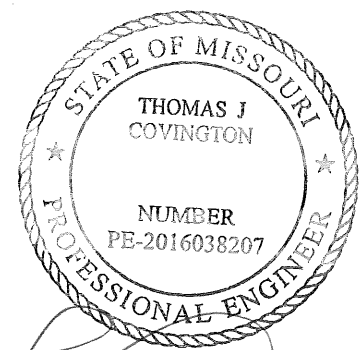
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DRAWN BY:	briste	SCALE:	1:84	
REV LEVEL:	A			
CREATION DATE:	10/23/2019	BUILDING NO:	P10025	
		CAD MODEL:	P10025	
PROJECT:	LOWENSTEIN PARK	PROJECT LOCATION:	LEE'S SUMMIT, MO	
		DRAWING:	ARCHITECTURAL ELEVATIONS	
		SHEET	1	



ANCHOR AND FOOTING LAYOUT NOTES:

1. ANCHORS MUST BE CENTERED IN FOOTINGS
2. FOOTINGS MUST BE TURNED TO ALIGN WITH COLUMN AND TRUSS CENTERLINE.



10/25/19

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PROJECT: LOWENSTEIN PARK

PROJECT LOCATION: LEE'S SUMMIT, MO

DRAWING: ANCHOR AND FOOTING LAYOUT

SHEET

2

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/21/2020

<div>PROJECT: LOWENSTEIN PARK</div> <div>PROJECT LOCATION: LEE'S SUMMIT, MO</div> <div>DRAWING: ANCHOR AND FOOTING LAYOUT</div>	CREATION DATE: 08/21/2020	DRAWN BY: briste	PRINT DATE: 10/23/2019	<div>poligon[®]</div> <div>www.poligon.com</div> <div>by PORTERCORP</div> <div><small>COPYRIGHT 2014 PATENTED OR PATENTS PENDING PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424</small></div>
	BUILDING NO: P10325	REV LEVEL: A	SCALE: 1:33	
	CAD MODEL: P10325			
	PROJECT LOCATION: LEE'S SUMMIT, MO			
	DRAWING: ANCHOR AND FOOTING LAYOUT			
<div>SHEET</div> <div>2</div>				

FOUNDATION NOTES:

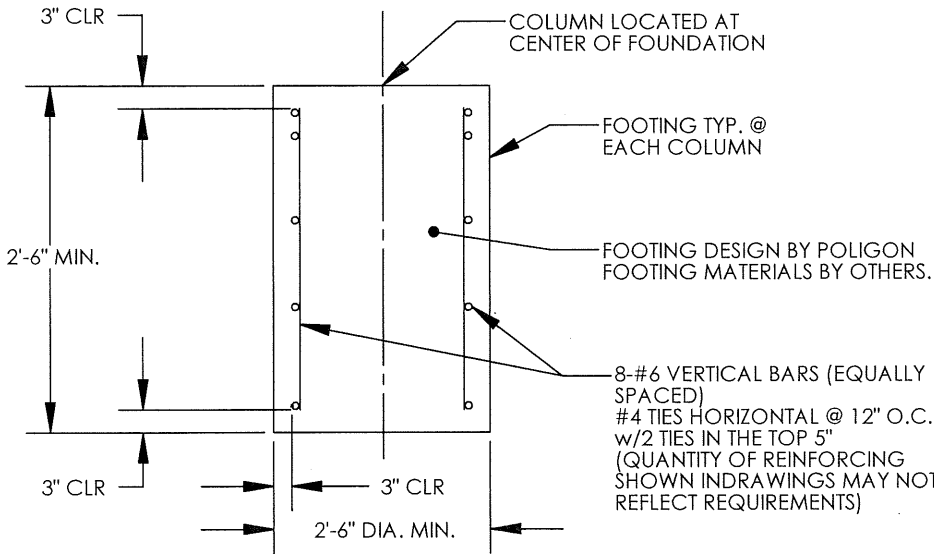
1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE, AMERICAN CONCRETE INSTITUTE, AND ALL APPLICABLE STATE AND LOCAL ORDINANCES AND REQUIREMENTS.
2. THE CONCRETE DESIGN IS BASED ON THE FOLLOWING PROPERTIES:

• 28 DAY STRENGTH OF 4500 psi.

• SLUMP OF 4" (+/-1").
3. THE FOOTING SHALL BEAR ON COMPETENT UNDISTURBED SOIL OR 95% COMPACTED FILL. IF SIGNS OF ORGANIC MATERIAL, UNCONTROLLED FILL, CLAY OR SILT, HIGH WATER TABLE OR OTHER POSSIBLE DETRIMENTAL CONDITIONS ARE FOUND, INSTALLATION OF THE FOUNDATION MUST BE DISCONTINUED AND A SOILS ENGINEER CONTACTED.
4. THE REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
5. IF FOOTING DEPTH SHOWN DOES NOT MEET LOCAL FROST REQUIREMENTS, THE DRILLED PIER FOOTING MAY BE EXTENDED. EXTEND VERTICAL BARS AS REQUIRED AND PROVIDE ADDITIONAL TIES TO MEET SPACING REQUIREMENTS AS SHOWN. IF LOCAL FROST DEPTH REQUIREMENTS ARE NOT MET AND NO DRILLED PIER FOOTING OPTION IS GIVEN, CONTACT ENGINEERING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST LINE DEPTH BELOW GRADE PRIOR TO CONSTRUCTION.

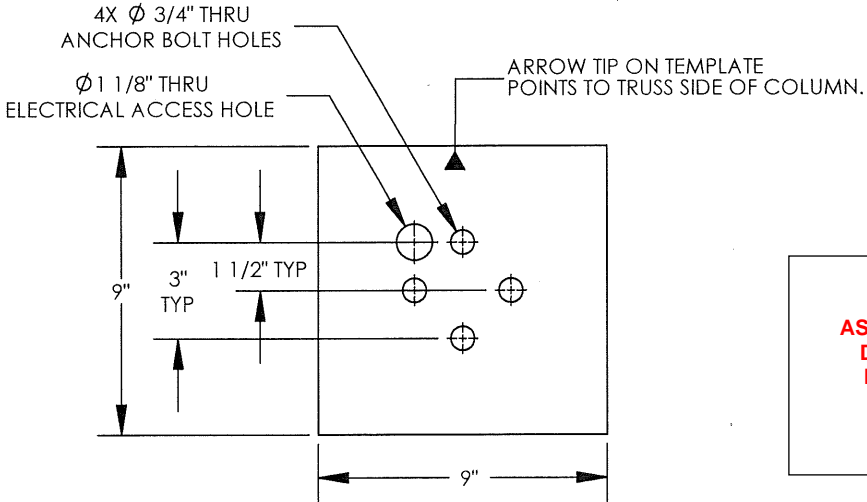
THE FOUNDATION DESIGN SHOWN ON THESE DRAWINGS IS NOT SITE SPECIFIC, BUT BASED ON THE PRESUMPTIVE ALLOWABLE FOUNDATION PRESSURES IN CHAPTER 18 OF THE BUILDING CODE (CLASS 5 SOIL). THE BUILDING OFFICIAL IN THE JURISDICTION IN WHICH THIS STRUCTURE IS LOCATED MAY REQUIRE A SITE SPECIFIC GEOTECHNICAL REPORT OR LETTER FROM A QUALIFIED LOCAL PROFESSIONAL ENGINEER ATTESTING TO WHETHER THE ACTUAL SITE CONDITIONS MEET THE ASSUMPTIONS IDENTIFIED ABOVE.

DRILLED PIER FOOTING OPTION



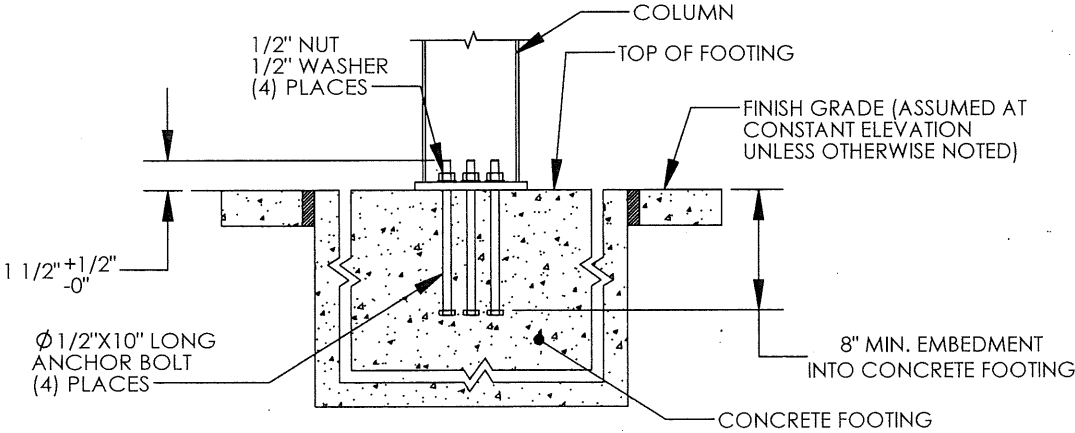
ANCHOR BOLT NOTES - PINNED BASE STRUCTURES (ANCHOR BOLTS LOCATED WITHIN COLUMN):

1. ANCHOR BOLTS SHALL BE ASTM A307 (GRADE A) MATERIAL UNLESS OTHERWISE NOTED.
2. ANCHOR BOLTS SHALL BE EITHER "HEADED" OR "THREADED WITH NUT" AS DEFINED IN THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL (PART 14), 13th EDITION.
3. HOOKED ANCHOR BOLTS ARE NOT ACCEPTABLE.
4. ACCURATE ANCHOR BOLT PLACEMENT IS CRITICAL. TO ENSURE THE ANCHOR BOLT LAYOUT MEETS THE DIMENSIONS REQUIRED ON THE DRAWINGS, SURVEY (OR MEASURE) THE LOCATION OF ALL ANCHOR BOLTS PRIOR TO POURING THE FOOTINGS. AN ADDITIONAL SURVEY (OR MEASUREMENT) SHOULD BE MADE AFTER THE FOOTINGS ARE POURED TO CONFIRM THE ANCHOR BOLTS DID NOT SHIFT DURING THE CONCRETE POUR. POLYGON STRONGLY RECOMMENDS USING ANCHOR BOLT TEMPLATES BECAUSE THEY SIGNIFICANTLY IMPROVE THE ACCURACY OF ANCHOR BOLT PLACEMENT. AN ANCHOR BOLT TEMPLATE IS PROVIDED WITH ANY PINNED BASE ANCHOR BOLT KIT PURCHASED FROM POLYGON.
5. IF OUTSIDE CONSULTING ENGINEERS ARE DESIGNING THE FOUNDATIONS FOR THIS STRUCTURE, THEY MUST REFER TO POLYGON CALCULATIONS FOR MINIMUM CONCRETE PROPERTIES (COMPRESSIVE STRENGTH, EDGE DISTANCE, ETC.) REQUIRED FOR THE ANCHOR BOLT DESIGN.
7. ELECTRICAL ACCESS HOLE IS ALWAYS LOCATED IN THE COLUMN BASE PLATE AS SHOWN. BE SURE TO KEEP THE ANCHOR BOLT TEMPLATE PROPERLY ORIENTED WHEN ELECTRICAL ACCESS TO THE COLUMN IS REQUIRED. TEMPLATE MUST BE REMOVED BEFORE INSTALLING COLUMNS.



- 2 ANCHOR BOLT PATTERN
- 2 BASE PLATE THICKNESS: 1/2"

THE FOLLOWING ADHESIVE ANCHORS MAY BE SUBSTITUTED FOR THE CAST-IN-PLACE ANCHOR BOLTS:
- HILTI HIT-HY 200 (A OR R) ADHESIVE WITH ϕ 1/2" HAS-E ROD WITH MINIMUM 6" EMBEDMENT.
- SIMPSON STRONG TIE AT-XP ADHESIVE WITH ϕ 1/2" ALL-THREAD ROD (ASTM F1554 GRADE 36) WITH MINIMUM 6" EMBEDMENT.
CONTRACTOR SHALL FOLLOW ALL INSTALLATION SPECIFICATIONS AND REQUIREMENTS OF ANCHOR MANUFACTURER.



- 1 ANCHOR BOLT DETAIL
- 1

STATE OF MISSOURI

THOMAS J COVINGTON

NUMBER PE-2016038207

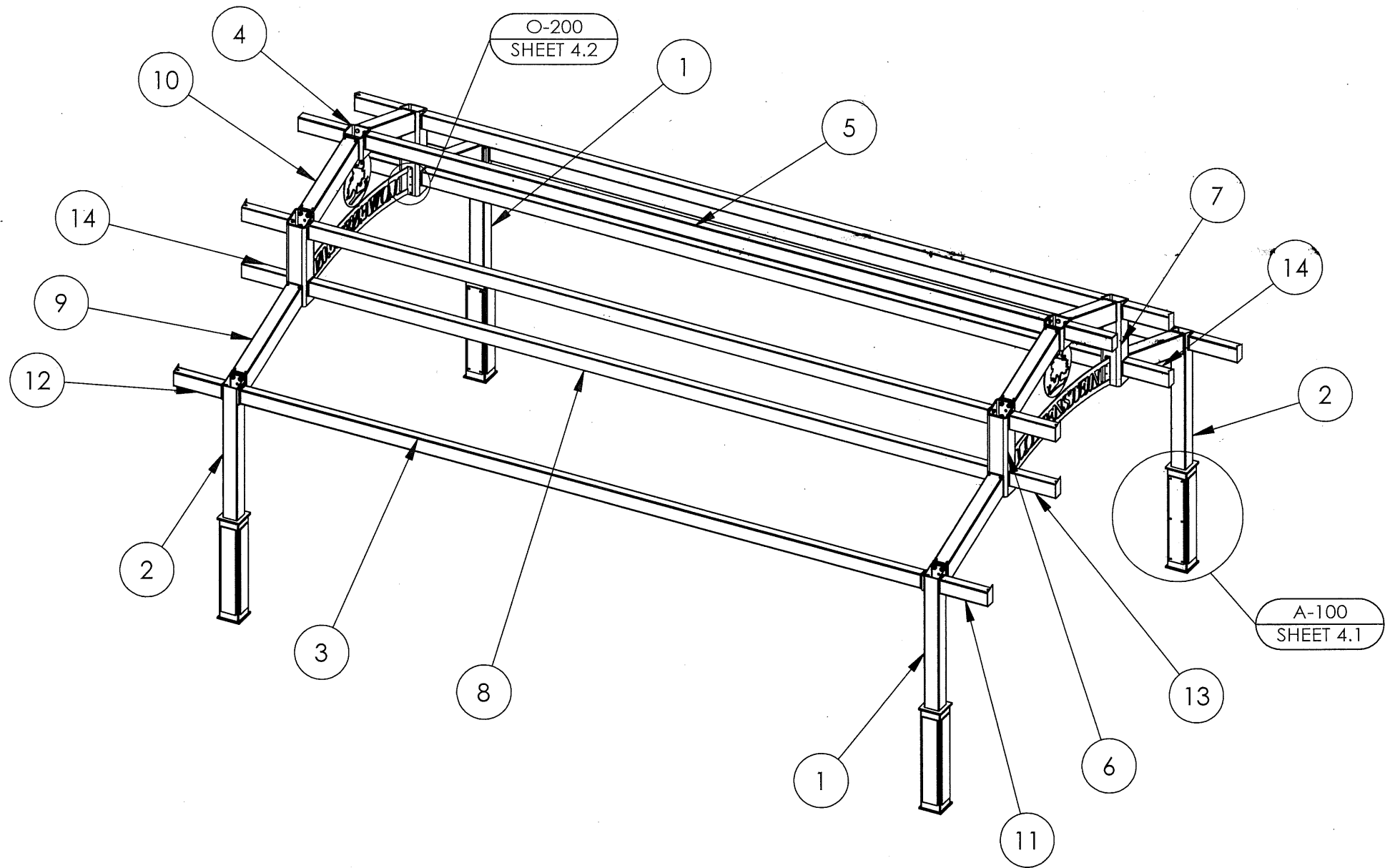
PROFESSIONAL ENGINEER

10/25/19

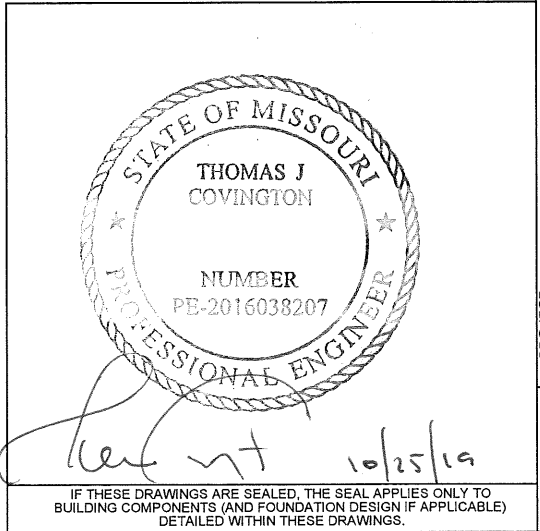
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RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
08/21/2020

PROJECT:	LOWENSTEIN PARK	PRINT DATE:	10/22/2019	www.polygon.com
PROJECT LOCATION:	LEE'S SUMMIT, MO	DRAWN BY:	briste	(616)399-1963
DRAWING:	ANCHOR AND FOOTING DETAILS	REV LEVEL:	A	by PORTERCORP
SHEET		SCALE:	1:1	COPYRIGHT 2014 PATENTED OR PATENTS PENDING PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424
2.1				



14	4	-	RH CMEM TAIL ASM	HSS6X4X1/8	16.00
13	4	-	LH CMEM TAIL ASM	HSS6X4X1/8	16.00
12	2	-	RH T-MEM TAIL ASM	HSS6X4X3/16	22.65
11	2	-	LH T-MEM TAIL ASM	HSS6X4X3/16	22.65
10	4	-	UP TRUSS ASM	HSS8X6X3/16	71.63
9	4	-	LO TRUSS ASM	HSS8X6X3/16	82.51
8	4	-	C-MEMBER ASM	HSS6X4X1/8	196.09
7	2	-	RH J-COLUMN ASM	HSS8X8X5/8	168.00
6	2	-	LH J-COLUMN ASM	HSS8X8X5/8	168.00
5	1	-	RIDGE BEAM ASM	HSS6X4X3/16	284.01
4	2	-	C-TUBE ASM	HSS8X8X5/8	65.48
3	2	-	EAVE BEAM ASM	HSS6X4X3/16	285.54
2	2	-	RH COLUMN ASM	HSS6X6X3/16	177.43
1	2	-	LH COLUMN ASM	HSS6X6X3/16	177.43
ITEM	QTY.	PART NO.	DESCRIPTION	MATERIAL	WEIGHT



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08/21/2020

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PRINT DATE:
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DRAWN BY:
briste

CREATION DATE:
10/23/2019

SCALE:
1:50

REV LEVEL:
A

BUILDING NO:
P10325

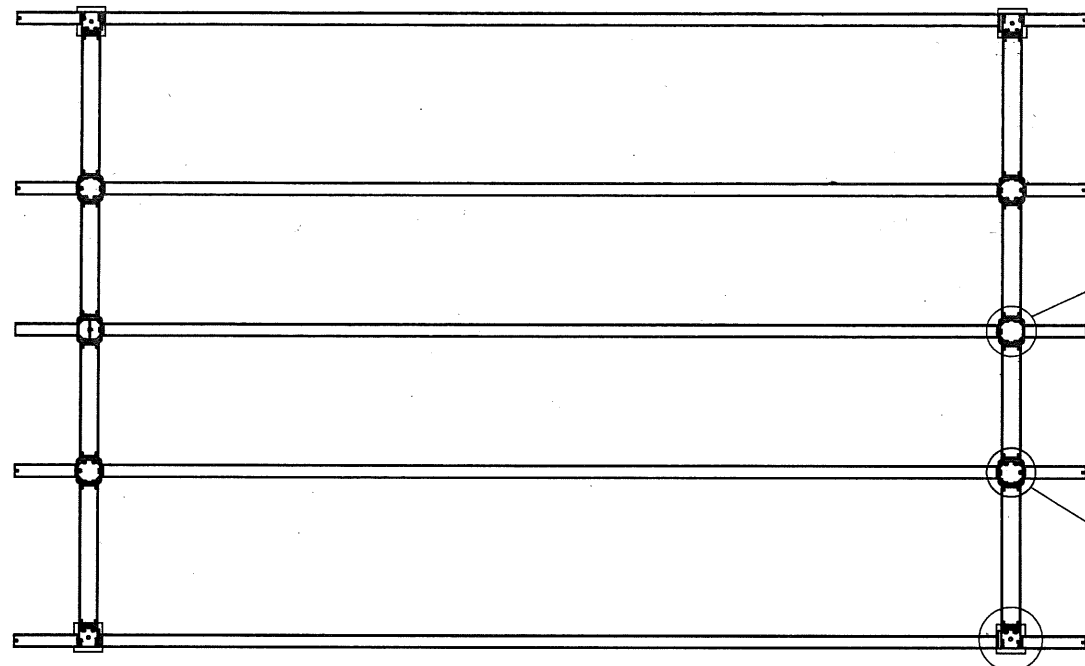
CAD MODEL:
P10325

PROJECT:
LOWENSTEIN PARK

PROJECT LOCATION:
LEE'S SUMMIT, MO

DRAWING:
STRUCTURAL FRAMING PLAN

SHEET
3

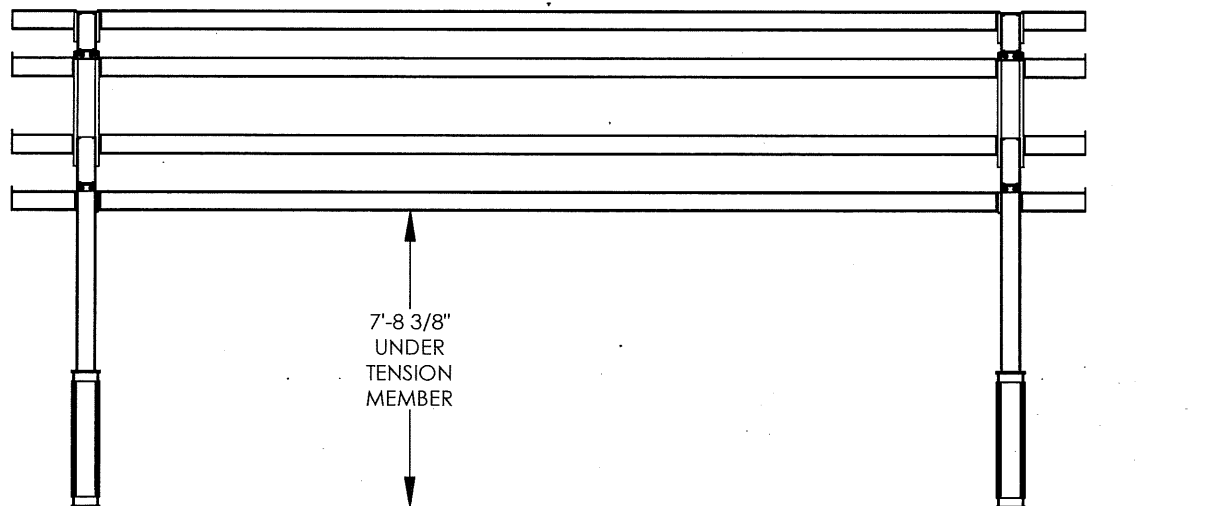


T-100
SHEET 4

J-100
SHEET 4.1

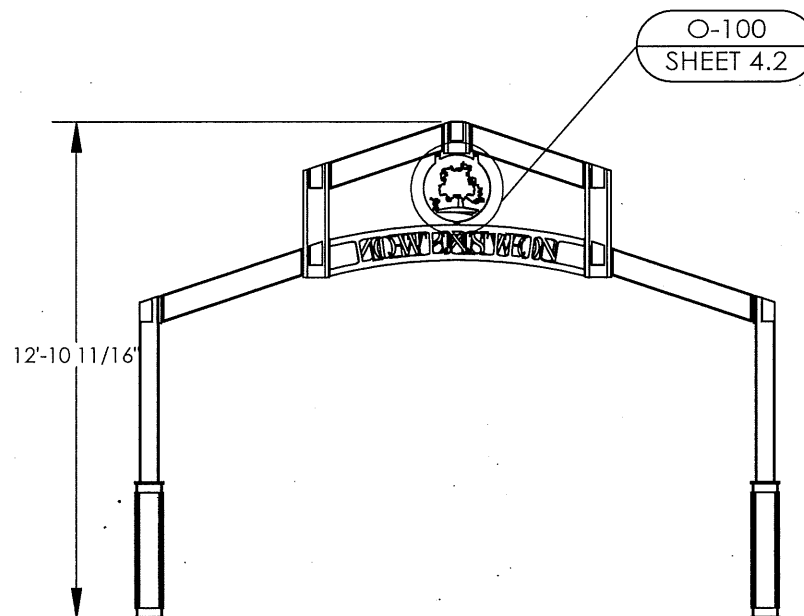
J-200
SHEET 4.1

K-100
SHEET 4



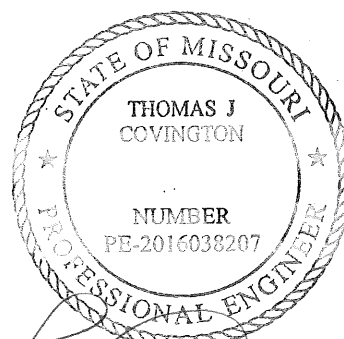
7'-8 3/8"
UNDER
TENSION
MEMBER

FINISH GRADE
(ASSUMED AT CONSTANT
ELEVATION UNLESS
OTHERWISE NOTED)



O-100
SHEET 4.2

FINISH GRADE
(ASSUMED AT CONSTANT
ELEVATION UNLESS
OTHERWISE NOTED)

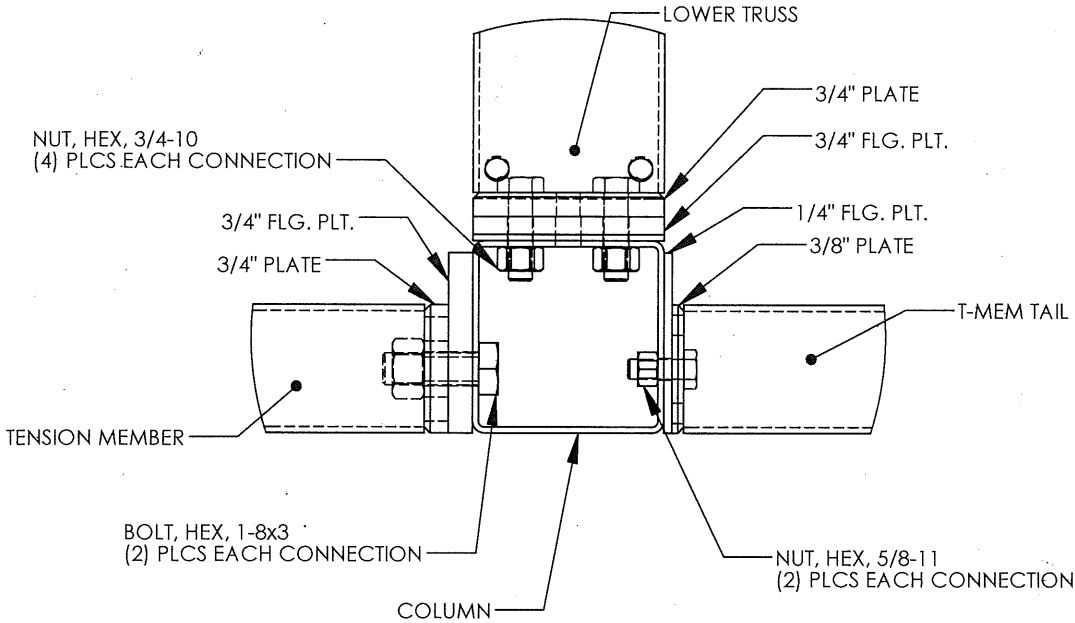


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08/21/2020

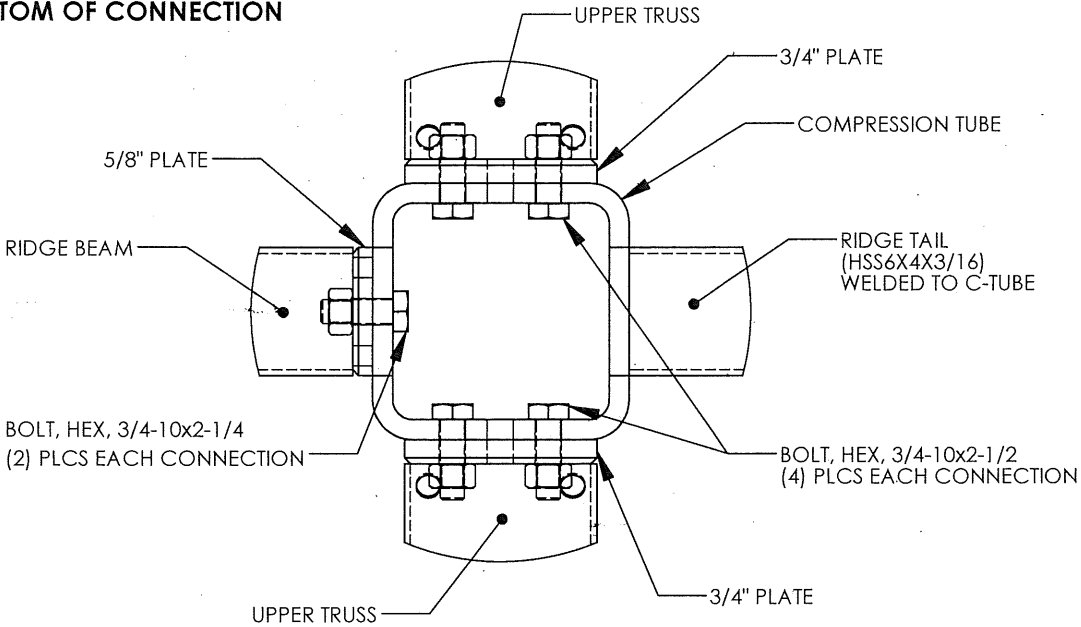
NOTE:
SEE UC-100 FOR U-CLIP INSTALLATION



COLUMN CONNECTIONS

K-100

NOTE:
CTUBE COVER PLATE
ATTACHED WITH POP RIVETS
(1P2903GAL) (1) PER CLEAT
AT BOTTOM OF CONNECTION

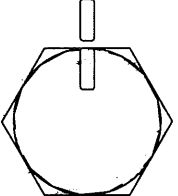


COMPRESSION MEMBER CONNECTION

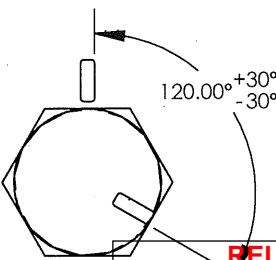
T-100

TURN-OF-NUT PRETENSIONING METHOD:
THESE STEPS ILLUSTRATE THE REQUIREMENTS OUTLINED IN THE AISC SPECIFICATION. THE ROTATION INDICATED IS ACCURATE FOR MOST BOLT DIAMETERS AND LENGTHS BUT IT IS THE RESPONSIBILITY OF THE INSTALLER TO MEET AISC REQUIREMENTS.

STEP ONE:
AFTER SNUG TIGHT,
MATCH MARK PLATE



STEP TWO:
THEN TURN BOLT/NUT PAST
SNUG TIGHT 1/3 TURN



**RELEASE FOR
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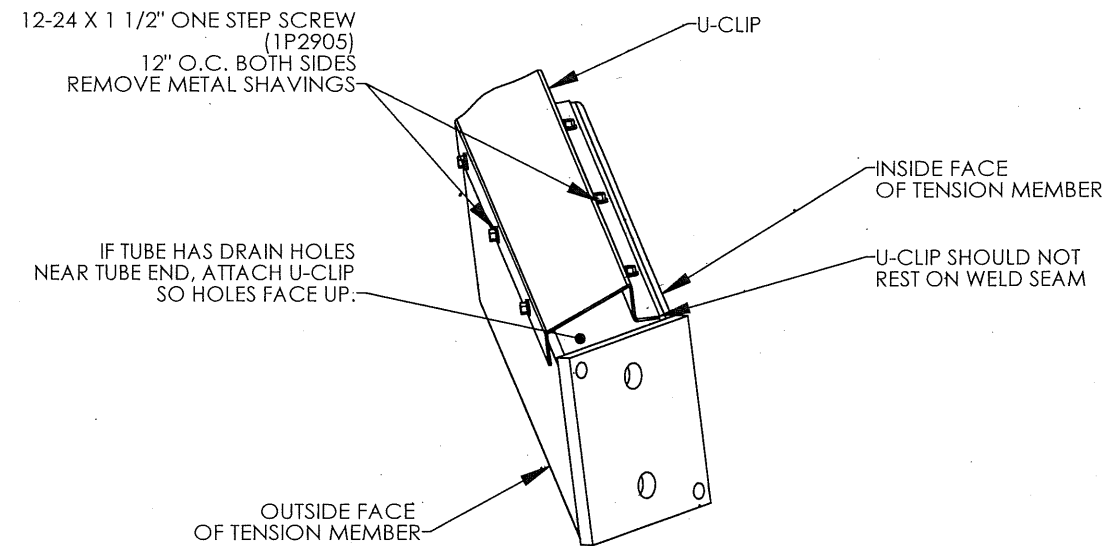
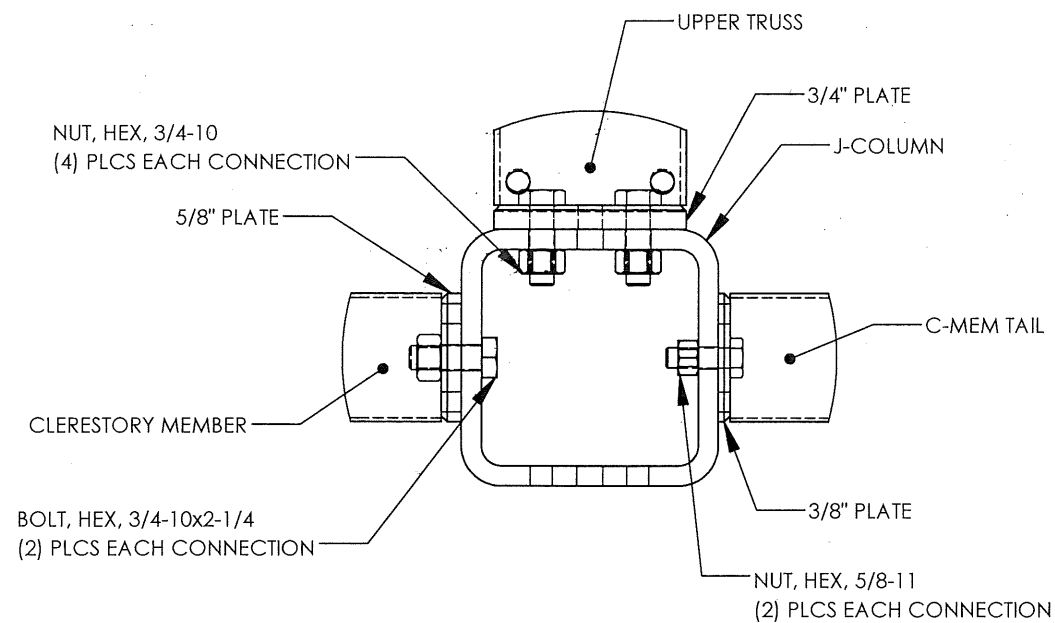
08/21/2020

CONNECTION NOTES:

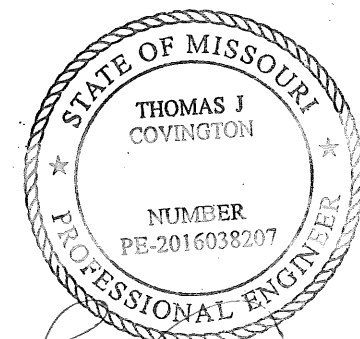
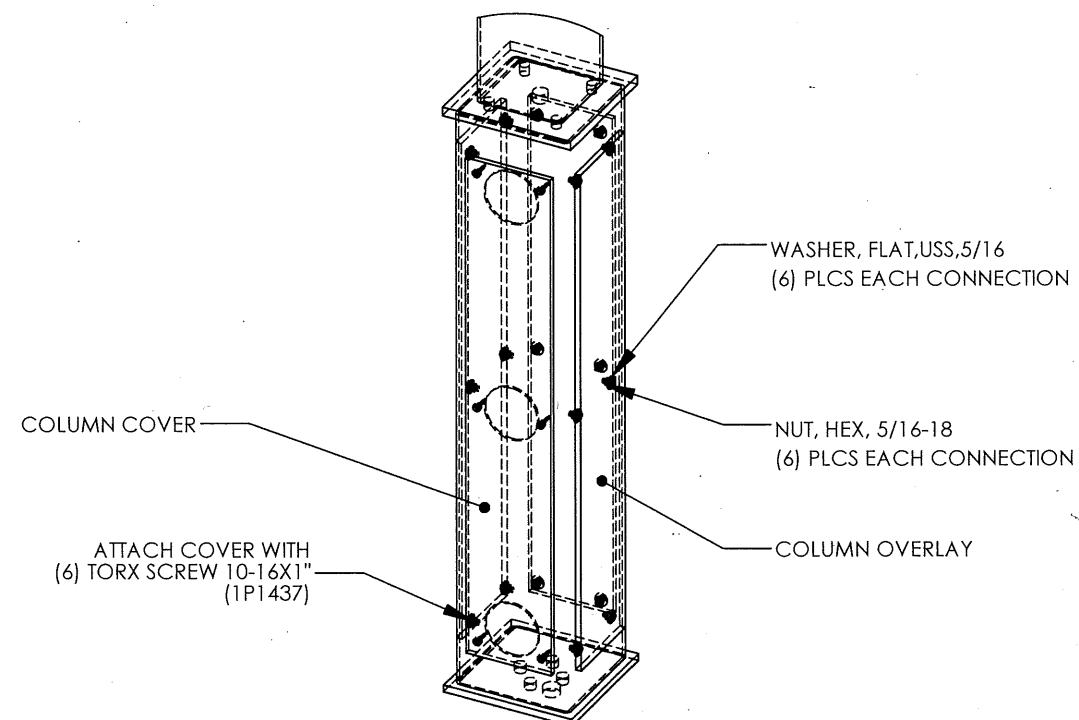
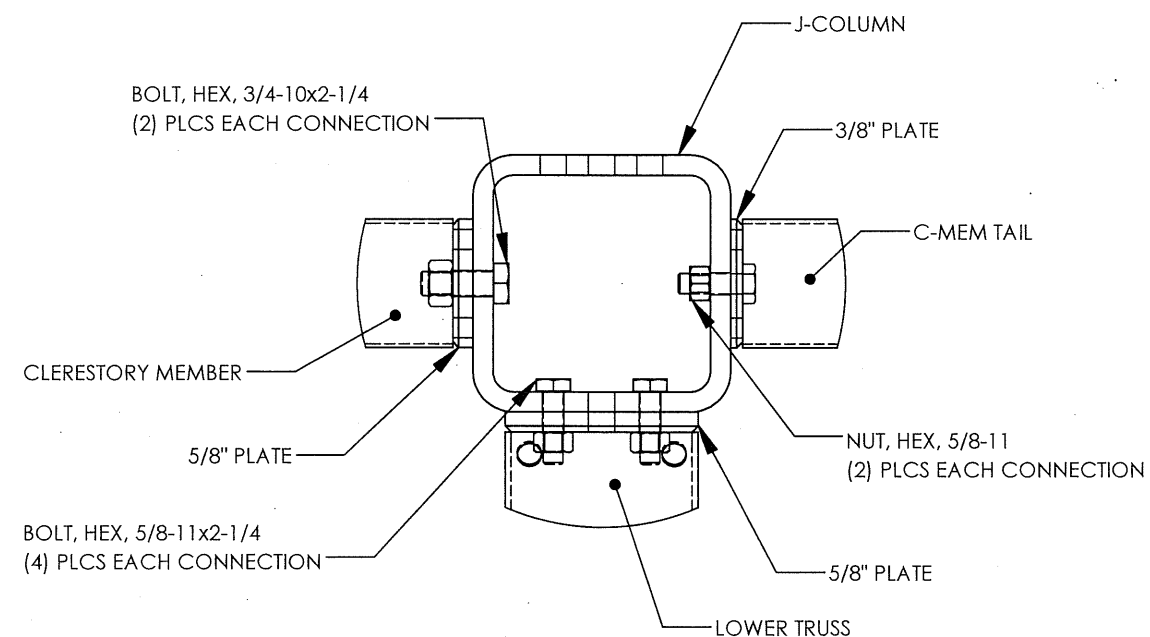
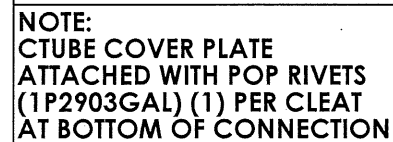
1. ALL HIGH STRENGTH BOLTS ARE A325 BOLTS AND TO BE INSTALLED BY THE "TURN -OF-NUT" PRETENSIONING METHOD AS SPECIFIED IN THE 13TH EDITION OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", SECTION 8 (SEE ILLUSTRATION). A325 BOLTS MAY BE INSTALLED WITHOUT WASHERS WHEN TIGHTENED BY THE "TURN-OF-NUT" PRETENSIONING METHOD. IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSURE PROPER TIGHTNESS. THIS METHOD IS ONLY REQUIRED ON 5/8" DIAMETER AND LARGER BOLTS. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG TIGHT.
2. LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED PRIOR TO STEEL ERECTION.
3. ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.
4. TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED BOLTS & NUTS. PERIODIC TOUCH-UP AT THESE BOLTED CONNECTIONS IS REQUIRED.
5. UNLESS THE BUILDING HAS A FACTORY APPLIED POWDERCOAT, E-COAT OR GALVANIZING, THE FRAME WILL BE PRIME PAINTED AND WILL BE REQUIRED TO BE FINISH PAINTED IN THE FIELD WITH ALL PAINT, MATERIALS AND LABOR NOT BY POLIGON (PORTERCORP). REFER TO FINAL SALES ORDER.
6. PRIOR TO THE ERECTION OF SHELTER COMPONENTS, IT IS RECOMMENDED TO CHASE AND TAP STRUCTURAL HARDWARE. EVEN THOUGH POLIGON MAKES EVERY EFFORT TO PROTECT THE HARDWARE DURING THE PROCESS OF PRODUCTION, FINISH, AND SHIPPING, THE ON-SITE CHASING AND TAPPING OF THREADS IS ALWAYS GOOD POLICY.
7. TO PREVENT RUST STAINING OF FINISH, ALL METAL SHAVINGS MUST BE REMOVED AFTER INSTALLATION. ENSURE NO SHAVING ARE TRAPPED BETWEEN MEMBER SURFACES.

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PROJECT: LOWENSTEIN PARK	PRINT DATE: 10/23/2019	POLYGON® (616)399-1963 www.poligon.com	
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	BUILDING NO: P10325	COPYRIGHT 2014 PATENTED OR PATENTS PENDING PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424	
	DRAWING: FRAME CONNECTION DETAILS	SHEET 4	



NOTE:
U-CLIP MUST BE ATTACHED TO
TENSION MEMBER AS SHOWN
PRIOR TO BUILDING ASSEMBLY.



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**RELEASE FOR
CONSTRUCTION**
AS NOTED ON PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

08/21/2029

DATE: 8/14/2025
NO: P10325
IDEL: P10325

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PRINT DATE:
10/23/2019
SCALE:
1:4

DRAWN BY:	briste
REV LEVEL:	A

CREATION DATE: 8/14/2012	BUILDING NO: P10325	CAD MODEL: P10325
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PROJECT:

LOWENSTEIN PARK

PROJECT LOCATION:

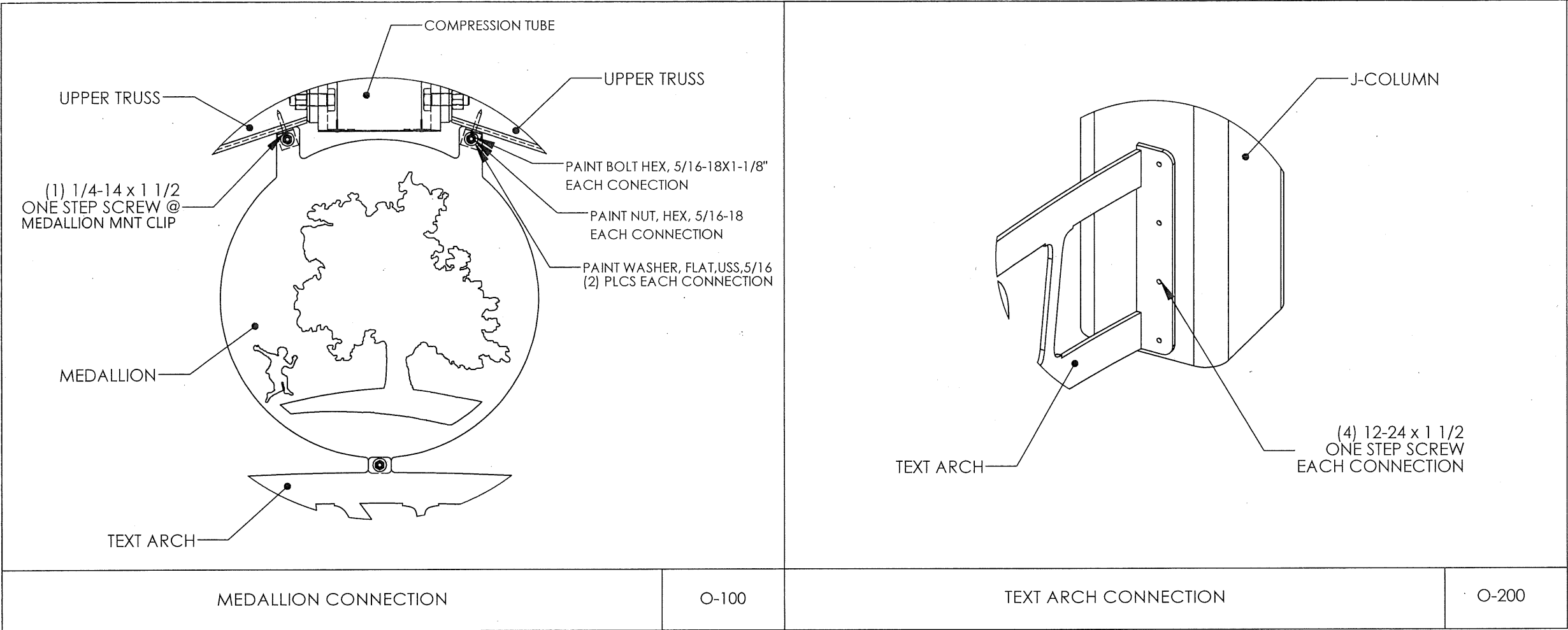
LEE'S SUMMIT, MO

DRAWING:

FRAME CONNECTION DETAILS

SHEET

4.1

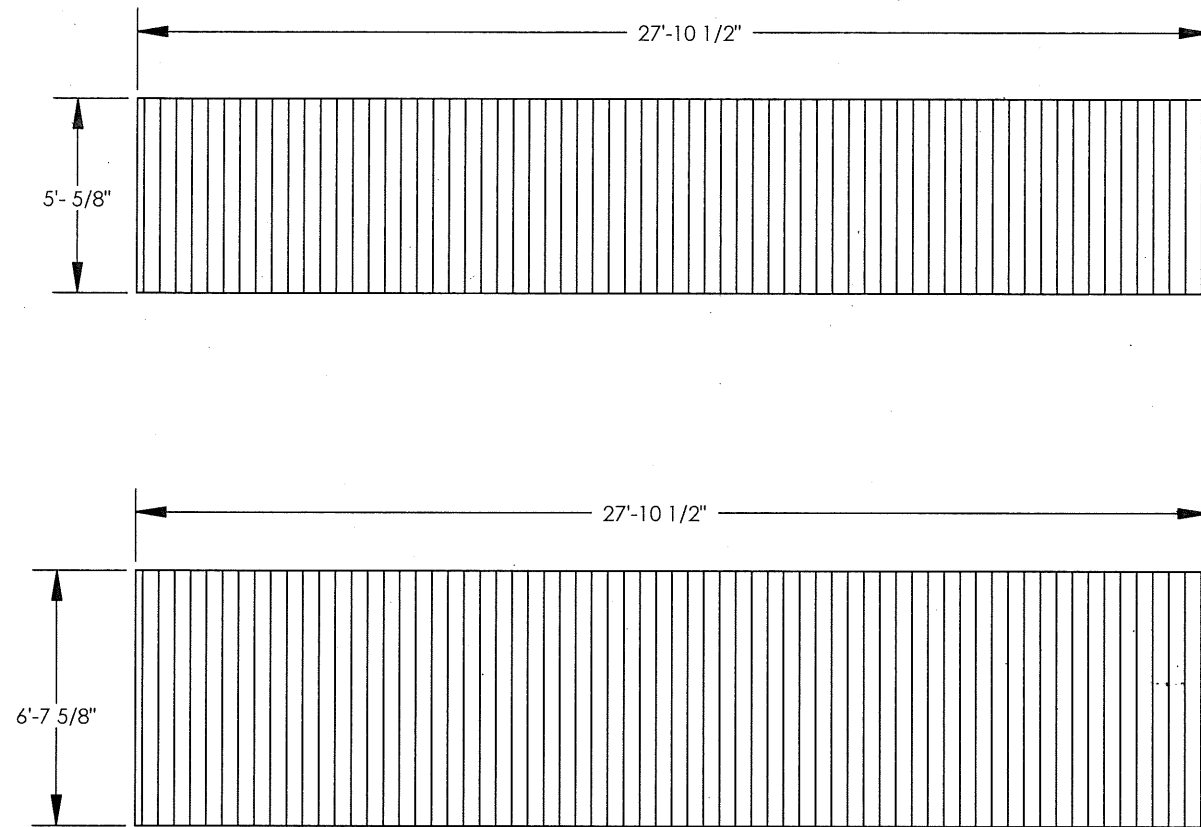


10/25/19

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DRAWING: FRAME CONNECTION DETAILS	SCALE:	1:4	PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424
	BUILDING NO:	P10325	
	CAD MODEL:	P10325	
	SHEET		



TONGUE & GROOVE NOTES:

TO BEGIN, SNAP A CHALK LINE TO MARK CENTERS OF COMPRESSION RING AND TENSION MEMBER. LOCATE FIRST TWO PLANKS EACH SIDE OF THE LINE AND WORK OUT TO THE CORNERS. MAKE SURE PLANKS ARE LONG ENOUGH TO COVER EAVE, TRUSSES, AND THE CENTER OF THE PEAK.

THE T&G PROVIDED MAY CONTAIN SOME MINOR IMPERFECTIONS. REMOVE THESE IMPERFECTIONS AS REQUIRED AND USE REMAINDER OF MATERIAL TO ATTAIN MAXIMUM YIELD.

NO END JOINTS IN DECKING WITHIN 24" OF TENSION MEMBER.

A MINIMUM OF 24" SPACING IS REQUIRED BETWEEN ALL ADJACENT END JOINTS. BOARD LAYOUT MAY REQUIRE VISIBLE SPLICES.

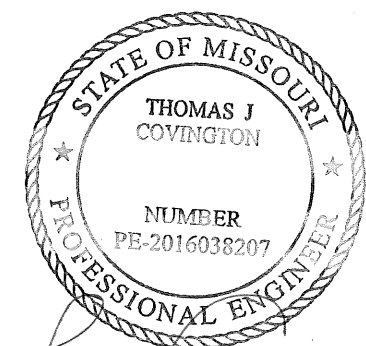
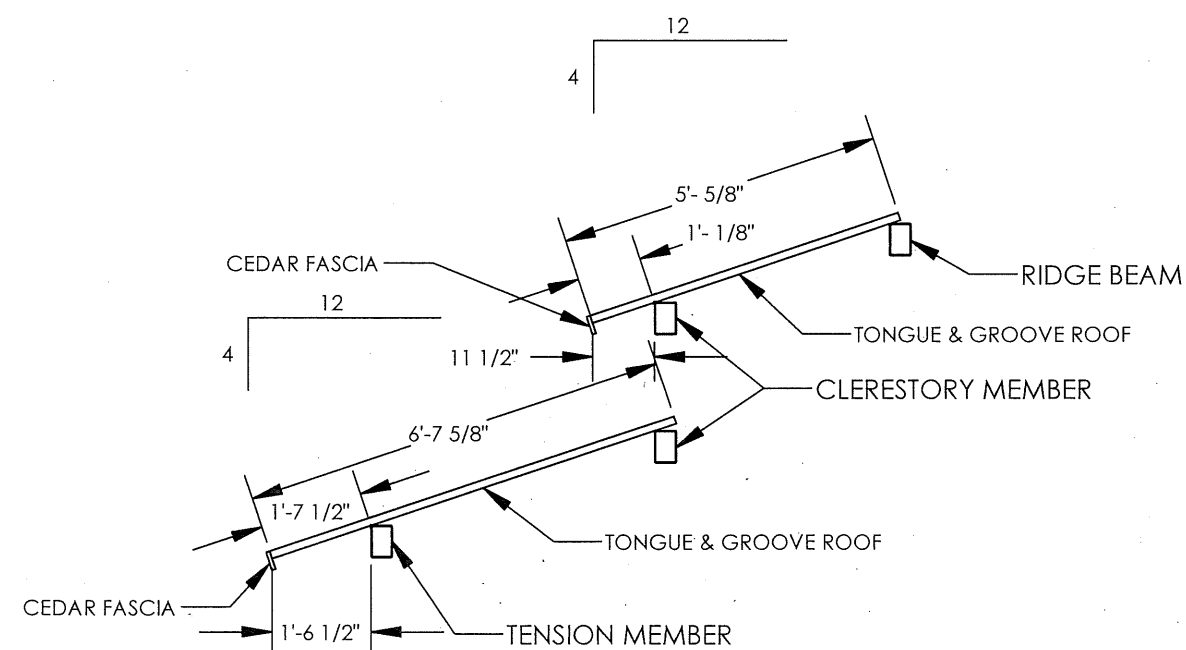
IF PRE-STAINED T&G IS ORDERED, TOUCH-UP AT FIELD CUT EDGES MAY BE NECESSARY.

THE MANUFACTURER RECOMMENDS ALL T&G BE STAINED/SEALED TO IMPROVE LONG TERM PERFORMANCE.

FOR BEST APPEARANCE POLIGON SUGGESTS THAT ALL END JOINTS BE MITERED @ 45°



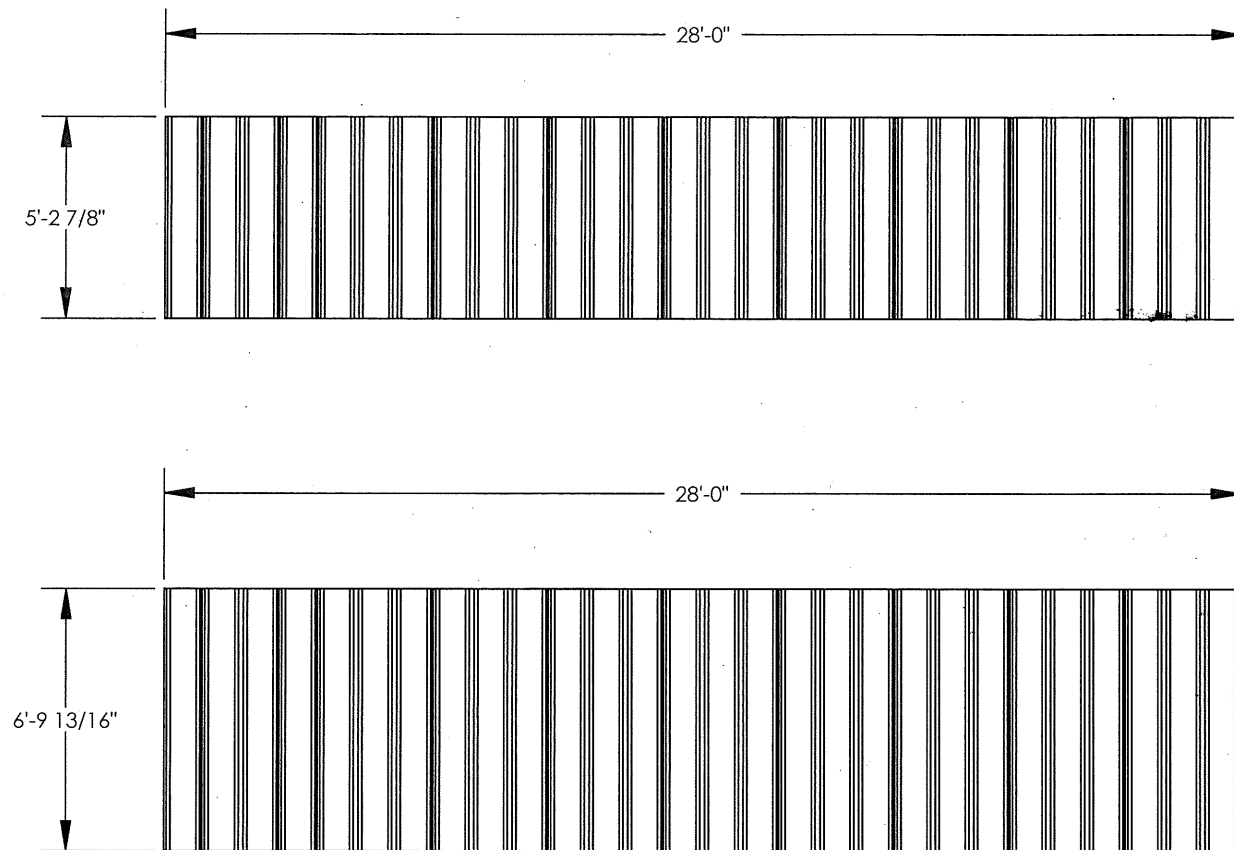
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	REVISION: A		
	SCALE: 1:48		
PROJECT LOCATION: LEE'S SUMMIT, MO	CREATION DATE: 08/21/2020	BUILDING NO: P10325	CAD MODEL: P10325
DRAWING: ROOF LAYOUT			
SHEET			

5.1



MULTI-RIB NOTES:

THE DETAILS SHOWN ARE SUGGESTIONS OR GUIDELINES ON HOW TO ERECT THE SYSTEMS. THE INFORMATION SHOWN IS ACCURATE, BUT IT IS NOT INTENDED TO COVER ALL INSTANCES, BUILDING REQUIREMENTS, DESIGNS OR CODES. THE DETAILS MAY REQUIRE CHANGES OR REVISIONS DUE TO FIELD CONDITIONS.

IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.

THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.

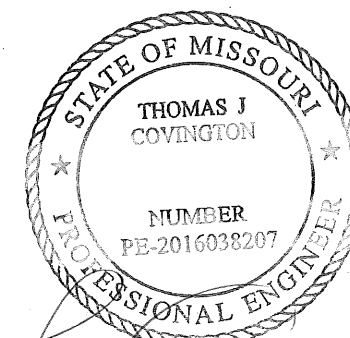
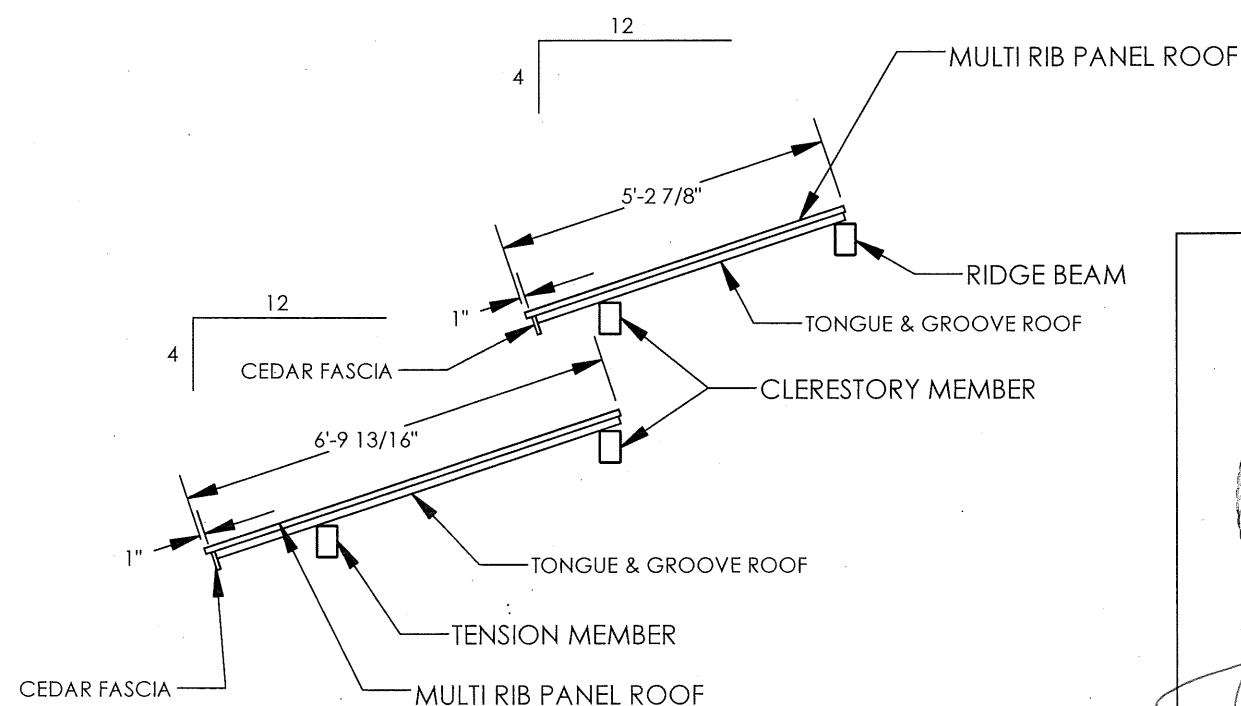
THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.

FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.

SEALANT SHALL BE FIELD APPLIED ON DRY, CLEAN SURFACES. SOME FIELD CUTTING AND FITTING OF PANELS AND FLASHING IS TO BE EXPECTED BY THE ERECTOR AND MINOR FIELD CORRECTIONS ARE A PART OF NORMAL ERECTION WORK.

WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.

METAL SHAVINGS FROM DRILLING OR INSTALLATION OF ROOF FASTENERS MUST BE CAREFULLY REMOVED FROM THE ROOF BY BRUSHING OR SWEEPING AT THE END OF EACH DAY DURING INSTALLATION. SHAVINGS LEFT ON THE ROOF WILL QUICKLY RUST AND STAIN THE ROOF FINISH.



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08/21/2020

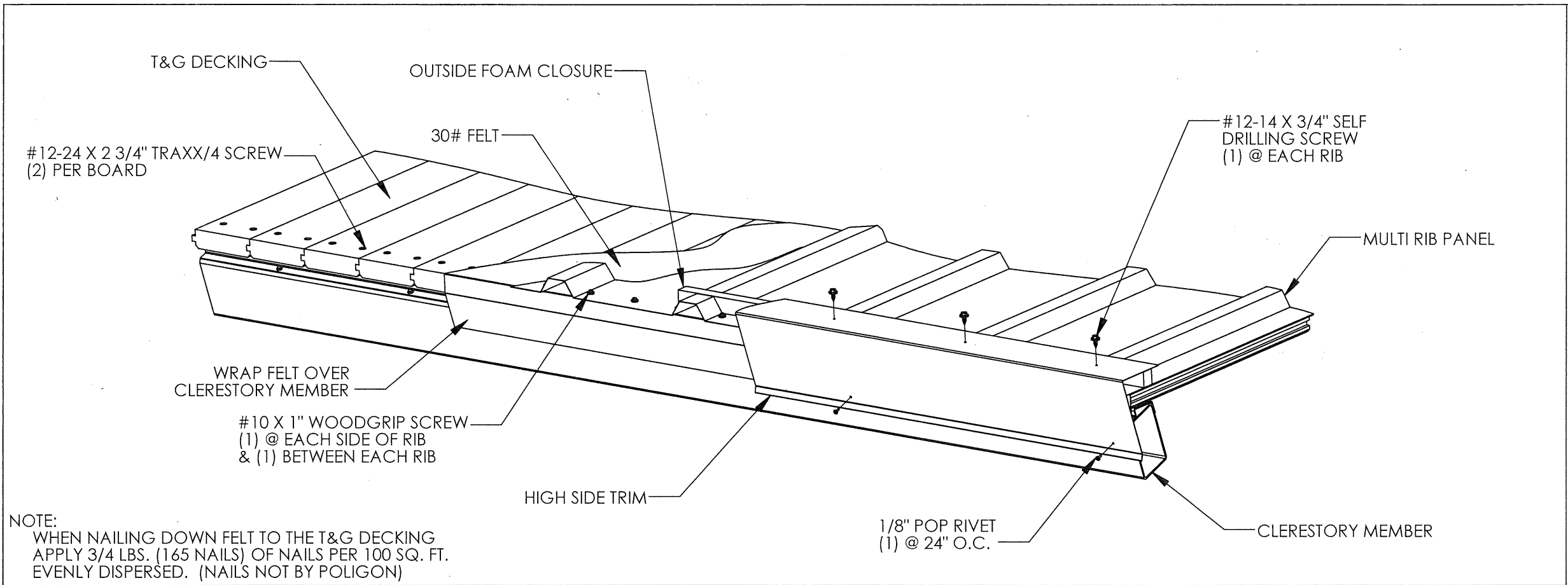
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SCALE: 1:48
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REV LEVEL: A
CREATION DATE: 10/23/2019
BUILDING NO: P10325
CAD MODEL: P10325

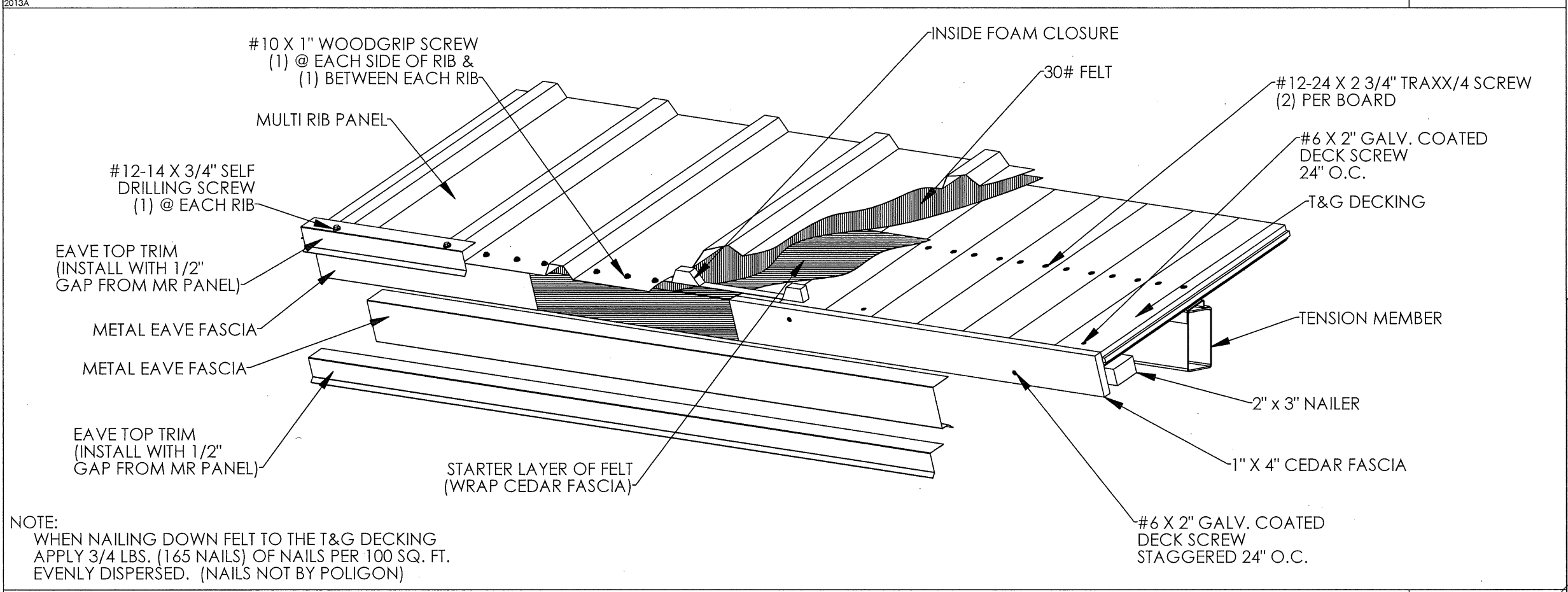
PROJECT: LOWENSTEIN PARK
PROJECT LOCATION: LEE'S SUMMIT, MO
DRAWING: ROOF LAYOUT

SHEET

5.2



HIGHSIDE DETAIL (VIEWING FROM ABOVE) TGMR-200



EAVE DETAIL TGMR-100

PART DESCRIPTIONS:

- 1/8" POP RIVET
- #6 x 2" GALV. COATED DECK SCREW
- #10x1" WOODGRIP SCREW
- #12-14x3/4" SELF DRILLING SCREW
- #12-24x2.75 TRAXX/4 SCREW
- 1 1/4" GALVANIZED ROOFING NAIL (NOT BY POLIGON)

NOTE:
ALL MATERIALS ARE CALLED OUT ON SHEETS 5.1 & 5.2.

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LEE'S SUMMIT, MISSOURI
08/21/2025

10/20/19

PROJECT: LOWENSTEIN PARK

PROJECT LOCATION: LEE'S SUMMIT, MO

DRAWING: ROOF CONNECTION DETAILS

SHEET **6**

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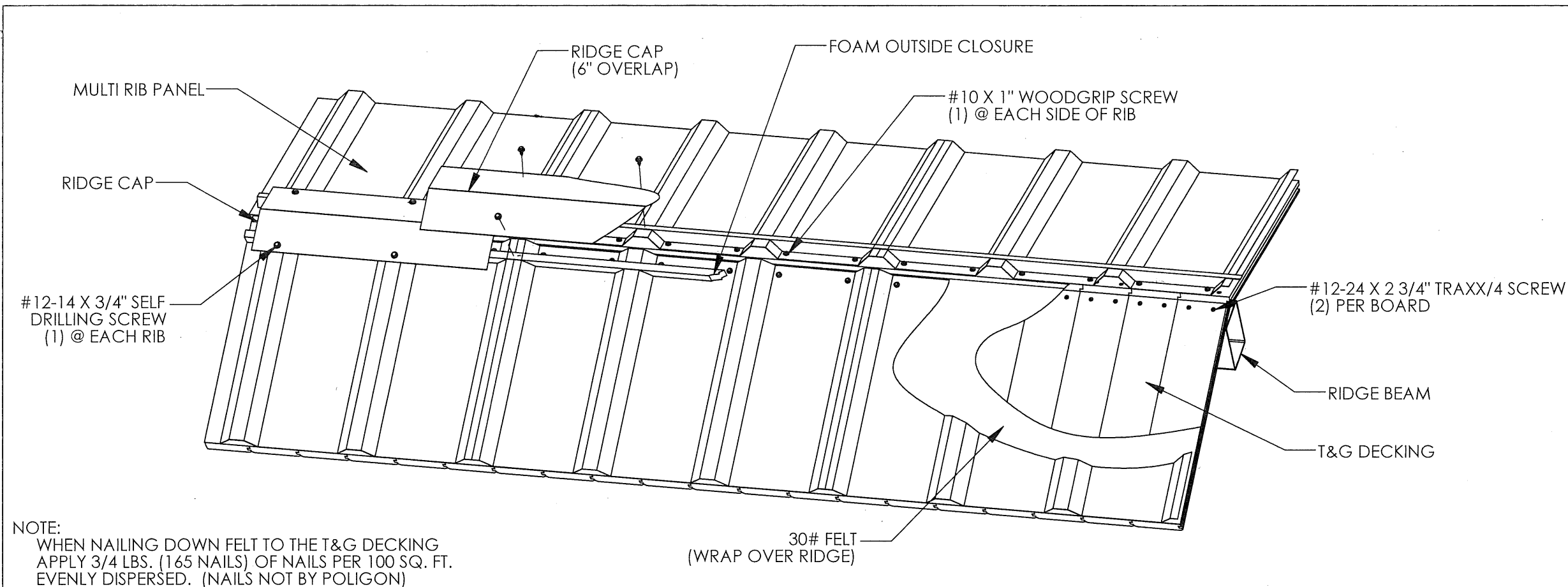
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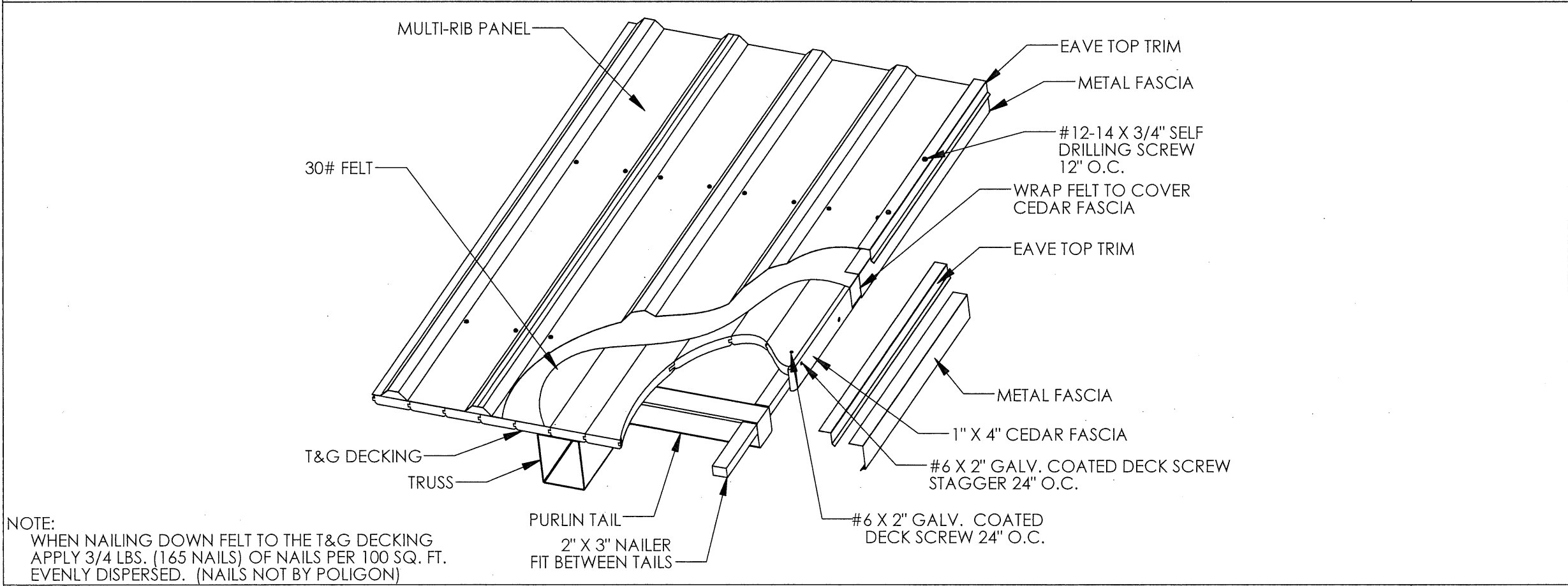
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RIDGE DETAIL

TGMR-500

2013A



RAKE DETAIL

TGMR-400

2013A

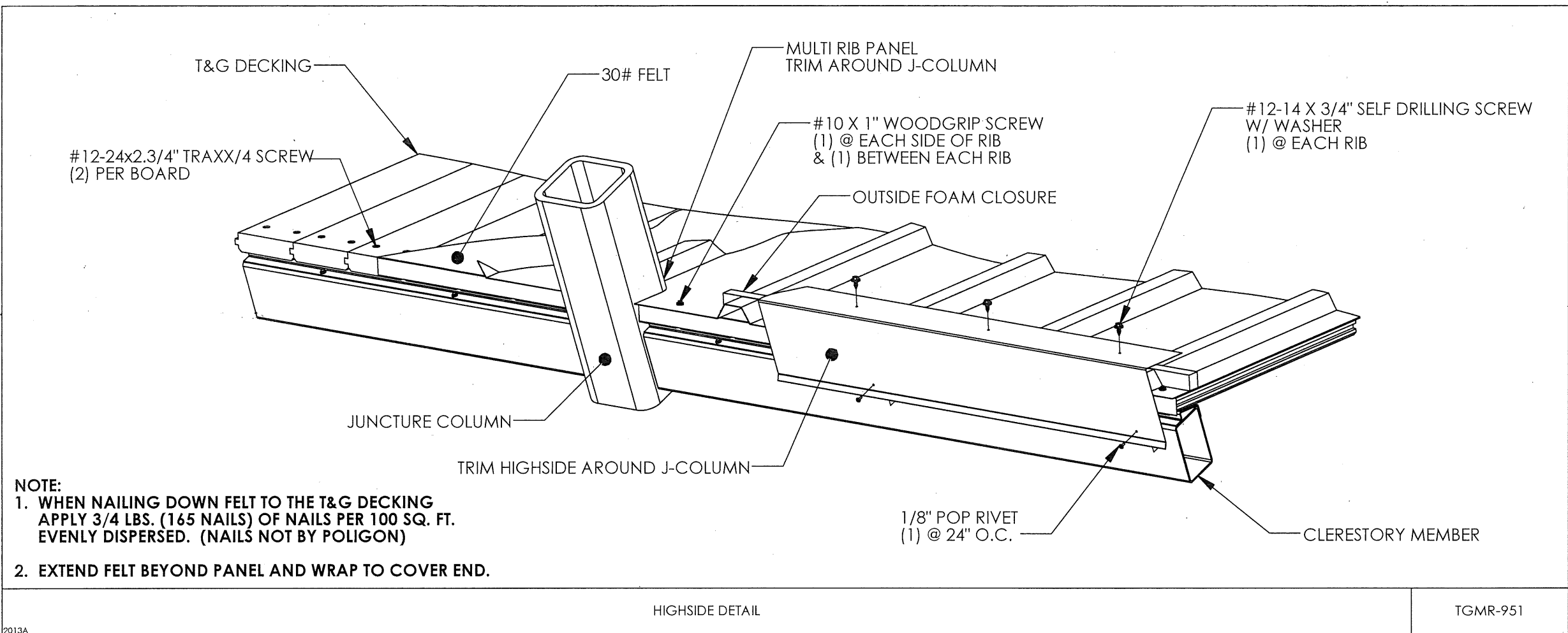
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	DRAWING:	ROOF CONNECTION DETAILS	SCALE:

SHEET
6.1

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DRAWING: ROOF CONNECTION DETAILS		BUILDING NO: P10325	CAD MODEL: P10325		
SHEET					
6.2					