poligon®

A Division of PORTERCORP 4240 N. 136th AVE HOLLAND, MI 49424 (616) 888-3500

PROJECT NAME: PARLEY'S CREEK

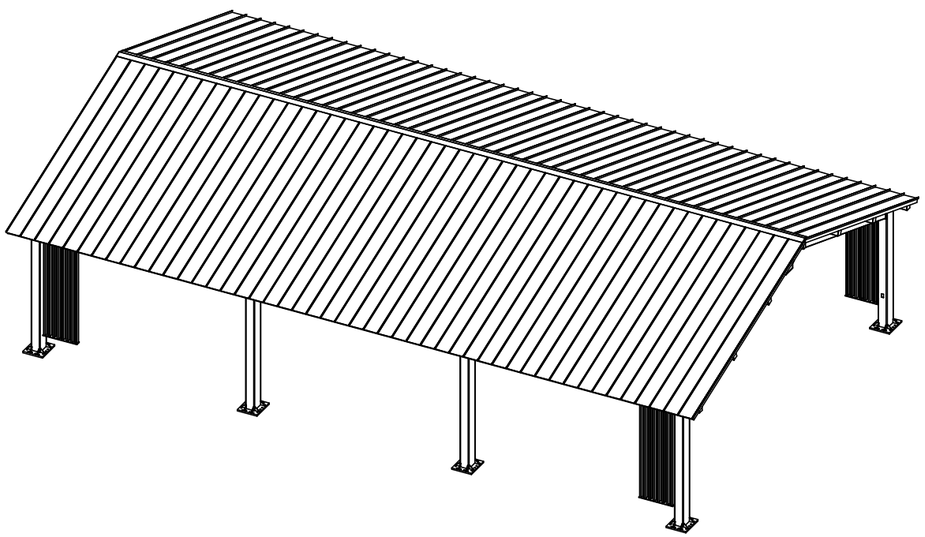
PROJECT LOCATION: SALT LAKE CITY, UT

BUILDING TYPE: REK 40X64

ROOF TYPE: STANDING SEAM (24 GA) OVER STAINED T & G

BUILDING NUMBER: P21135

ORDER NUMBER: 81859



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
5-5.1	ELECTRICAL VIEWS
6-6.2	ROOF LAYOUT
7-7.3	ROOF CONNECTION DETAILS

MANUFACTURER NOTES:

MATERIALS:

DESCRIPTION	ASTM DESIGNATION
TUBE STEEL	A500 (GRADE C)
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:

1. 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.
2. THE ENGINEERING SEAL FOR THE STRUCTURE DETAILED IN THESE DRAWINGS IS ONLY VALID IF PORTER CORP DESIGNS AND FABRICATES THE STEEL COMPONENTS. FABRICATING THE STEEL COMPONENTS ELSEWHERE VOIDS THE ENGINEERING PROVIDED BY PORTER CORP.
3. 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 (SEE SNOW DESIGN DATA). IF THAT SEPARATION DOES NOT EXIST AND THE GROUND SNOW LOAD (Pg) IS GREATER THAN 0 PSF, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.
4. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED IN THE GOVERNING BUILDING CODE.
5. ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY (AWS) CERTIFIED WELDERS AND CONFORMS TO AWS D1.1 OR D1.3 AS REQUIRED.
6. 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.
7. 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.
8. THE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING BRACING, SHORING, LAYDOWN AND PROTECTION OF CONSTRUCTION MATERIALS, ETC. TEMPORARY SHORING AND BRACING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. 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.
10. MAKING HOLES, CUTS OR MODIFICATIONS TO THE STRUCTURAL STEEL MEMBERS IS NOT PERMITTED IN THE FIELD WITHOUT SPECIFIC APPROVAL OF POLIGON.

CERTIFICATES:

MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 24-0903.04
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

FABRICATOR APPROVALS:

CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #FB01596
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SF_000042
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CLARK COUNTY, NV APPROVED FABRICATOR #264
STATE OF UTAH APPROVED FABRICATOR 02008-14
AISC APPROVED FABRICATOR C-00024530
AWS CERTIFIED WELDING FABRICATOR #240707F

DESIGN CRITERIA:

GENERAL:
2021 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): 31 PSF
FLAT ROOF SNOW LOAD (Pf): 26 PSF
SNOW EXPOSURE FACTOR (Ce): 1.0
SNOW LOAD IMPORTANCE FACTOR (Is): 1.0
THERMAL FACTOR (Ct): 1.2
ROOF SLOPE FACTOR (Cs): 1.0
DRIFT SURCHARGE LOAD (Pd): 0 PSF
WIDTH OF SNOW DRIFT (w): 0 FT
MINIMUM HORIZONTAL SEPARATION DISTANCE (s): 20 FT

WIND DESIGN DATA:
BASIC WIND SPEED (V): 105 MPH
ALLOWABLE STRESS DESIGN WIND SPEED (Vasd): 81 MPH
GUST EFFECT FACTOR (G): 0.85
INTERNAL PRESSURE COEFFICIENT (GCpi): 0
WIND EXPOSURE: C

SEISMIC DESIGN DATA:
STEEL ORDINARY CANTILEVER COLUMN SYSTEMS
SEISMIC IMPORTANCE FACTOR (Ie): 1.0
SEISMIC DESIGN CATEGORY: D
SEISMIC SITE CLASS: D
SHORT SPECTRAL RESPONSE (Ss): 1.39
1-SEC SPECTRAL RESPONSE (S1): 0.52
DESIGN SHORT SPECTRAL RESPONSE (SDS): 0.93
DESIGN 1-SEC SPECTRAL RESPONSE (SD1): 0.92
SEISMIC RESPONSE COEFFICIENT (Cs): 0.74
RESPONSE MODIFICATION COEFFICIENT (R): 1.25
EQUIVALENT LATERAL FORCE PROCEDURE
SEE CALCULATIONS FOR ADDITIONAL DATA

ADDITIONAL CRITERIA:
NONE

PROFESSIONAL ENGINEER
No. 10821404-2202
ERIC LEE
STATE OF UTAH

Digitally signed by Eric Lee
Date: 2025.02.13 05:35:03-05'00'

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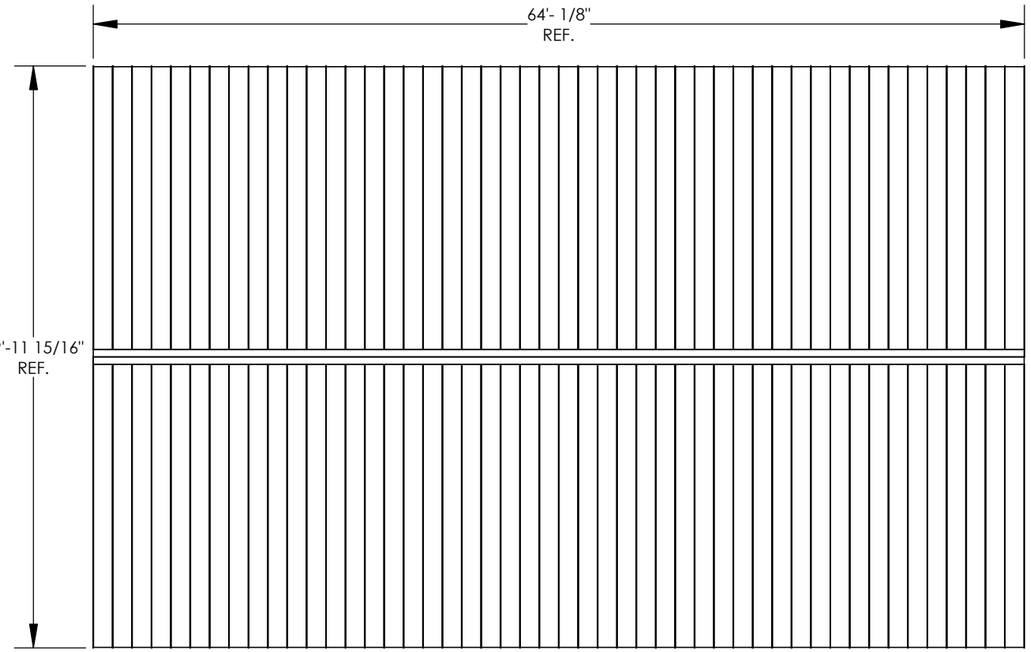
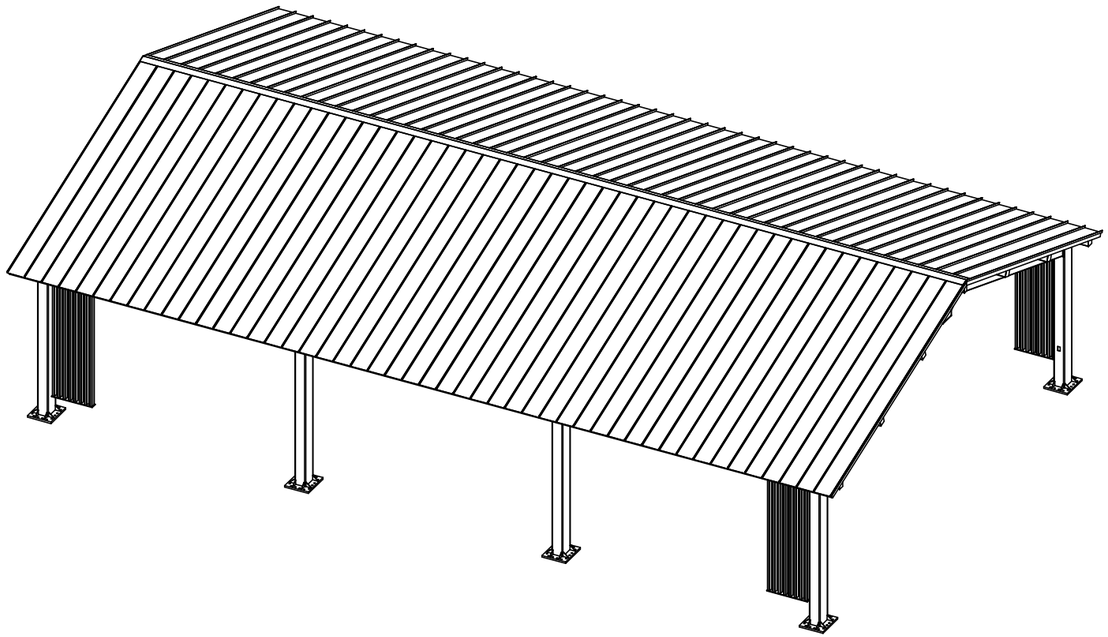
WWW.POLIGON.COM
MAIN: (616) 888-3500
FIELD SUPPORT: (616) 888-3504

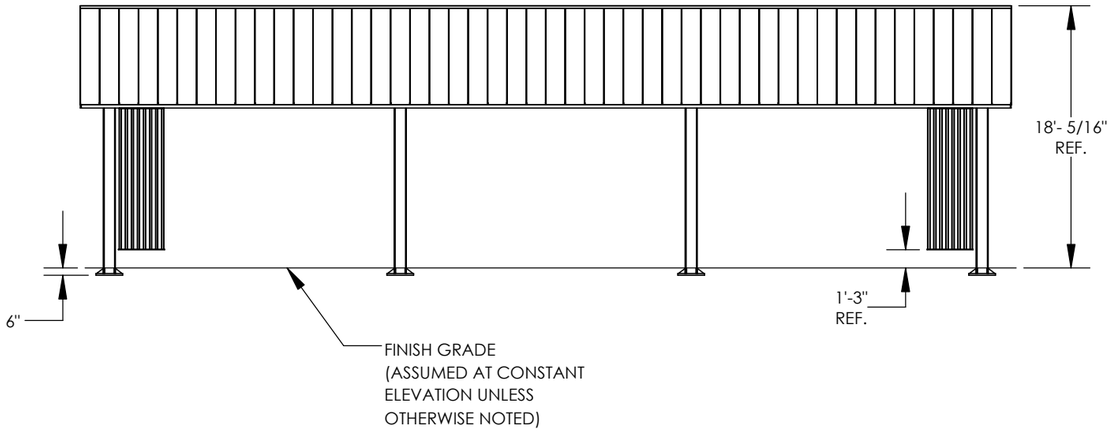
PRINT DATE: 2/7/2025
SCALE: 1:150
DRAWN BY: dave.spell
REV LEVEL: A
CREATION DATE: 11/16/2016
ORDER NO: 81859
CAD MODEL: ~P21135

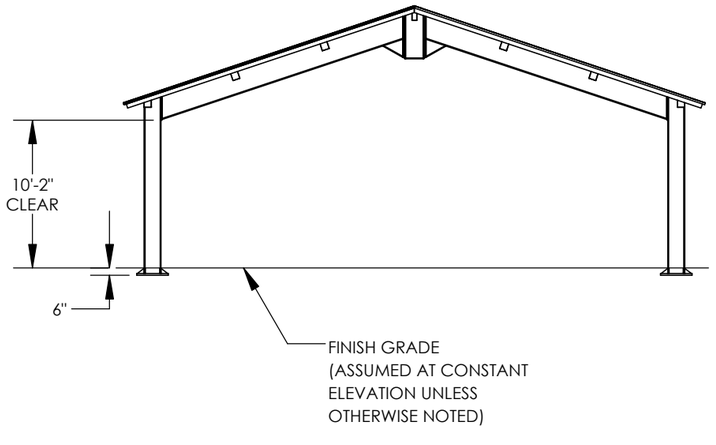
PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: COVER SHEET

SHEET
CS









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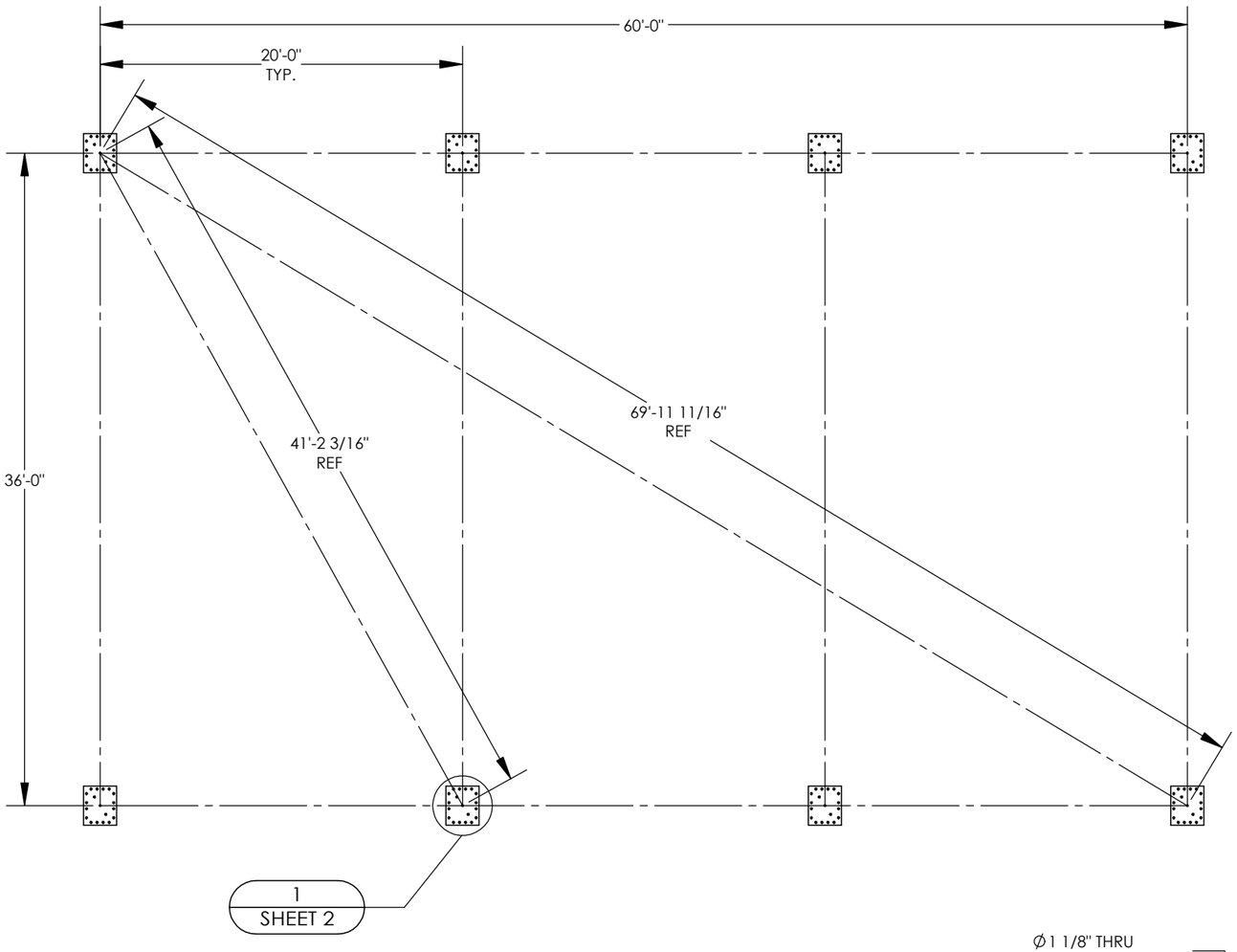
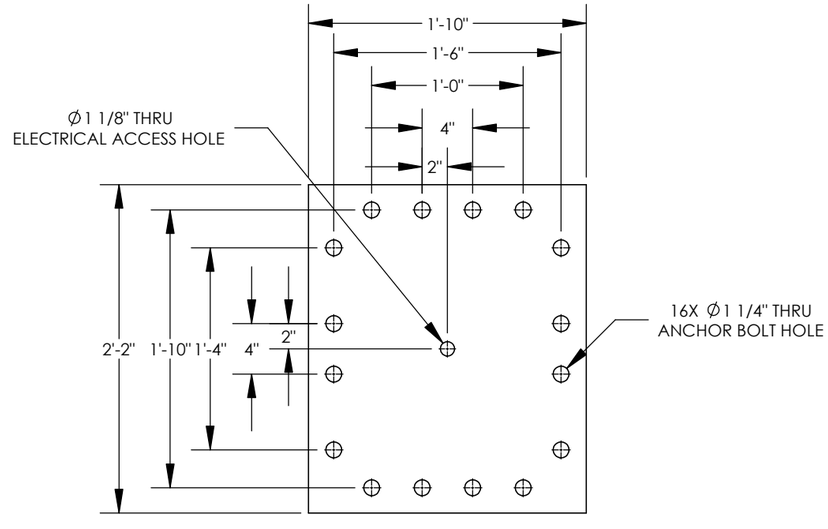
PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ARCHITECTURAL ELEVATIONS

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.



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

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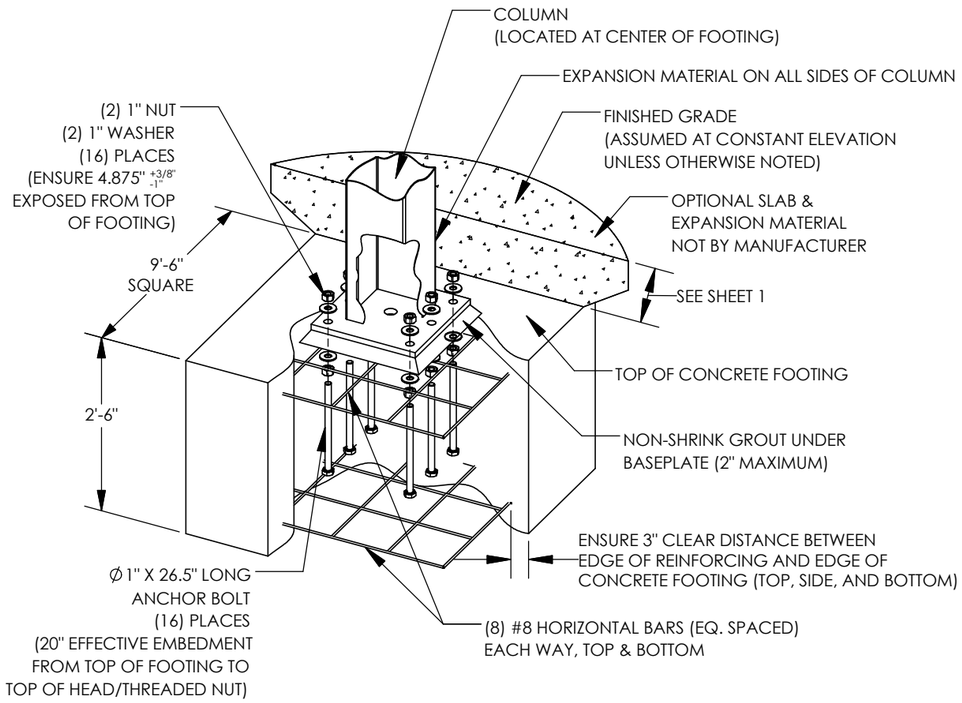
ORDER NO: 81859
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ANCHOR AND FOOTING LAYOUT

SHEET 2



PAD FOOTING OPTION (EXTERNAL ANCHOR BOLTS)

FOOTING DESIGN BY MANUFACTURER, FOOTING MATERIALS BY OTHERS.
(TYPICAL WITH EACH COLUMN, QTY OF REINFORCING AND ANCHOR BOLTS SPECIFIED
IN NOTES REFLECT SITE SPECIFIC REQUIREMENTS)

ANCHOR BOLT NOTES - EXTERNAL (ANCHOR BOLTS LOCATED OUTSIDE COLUMN):

1. ANCHOR RODS TO BE ASTM F1554 GRADE 55 TYPE S1 WITH "UNC" CLASS 2A THREADS, HEAVY HEX NUTS AND STANDARD CUT WASHERS, UNLESS OTHERWISE NOTED.
2. ANCHOR BOLTS SHALL BE EITHER "HEADED" OR "THREADED WITH NUT" AS DEFINED IN THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.
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.
5. THE MANUFACTURER STRONGLY RECOMMENDS USING ANCHOR BOLT TEMPLATES BECAUSE THEY SIGNIFICANTLY IMPROVE THE ACCURACY OF ANCHOR BOLT PLACEMENT. AN ANCHOR BOLT TEMPLATE IS PROVIDED WITH ANY ANCHOR BOLT KIT PURCHASED.
6. IF OUTSIDE CONSULTING ENGINEERS ARE DESIGNING THE FOUNDATIONS FOR THIS STRUCTURE, THEY MUST REFER TO THE MANUFACTURER'S 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. TEMPLATE MUST BE REMOVED BEFORE INSTALLING COLUMNS.
8. GROUT UNDER BASEPLATES SHALL BE NON-METALLIC, NON-SHRINK GROUT WITH MINIMUM f'c=6500 PSI.
9. THE CALCULATIONS FOR THIS STRUCTURE ASSUME A FIXED COLUMN BASE.
10. ADHESIVE ANCHORS MAY NOT BE SUBSTITUTED FOR THE CAST-IN-PLACE ANCHORS.

CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".
2. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 TYPE II OR TYPE V.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE CONCRETE MIX DESIGN MEETS THE "ACI MANUAL OF CONCRETE PRACTICE" REQUIREMENTS FOR CONCRETE BY EXPOSURE CLASS.
4. THE USE OF CHLORIDE ACCELERATORS IS NOT PERMITTED.
5. COARSE AGGREGATE SHALL BE #57 OR LARGER.
6. CONCRETE AT PLACEMENT SHALL HAVE A SLUMP OF 4" +/- 1".
7. MINIMUM CONCRETE COMPRESSIVE STRENTGH AT 28 DAYS: 4500 PSI.
8. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615 (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS:
   GRADE 60: #4 BARS AND LARGER
   GRADE 40: #3 BARS
9. PRIOR TO PLACING OF CONCRETE, REINFORCING STEEL AND EMBEDDED ITEMS SHALL BE WELL SECURED IN POSITION.
10. MAINTAIN 3" CONCRETE COVERAGE TO FACE OF BARS UNLESS OTHERWISE NOTED.
11. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIAL LIKELY TO IMPAIR BOND. BENDS SHALL BE MADE COLD.
12. WELDING OF REINFORCEMENT IS NOT ALLOWED.
13. ALL EXPOSED EXTERNAL CORNER OF FOUNDATIONS TO BE CHAMFERED BY 3/4" BY 45 DEGREES UNLESS NOTED OTHERWISE.
14. ALL NEW CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OF REMOVING FORMWORK. CURING SHALL BE EITHER A MOIST CURE METHOD OR THE USE OF A CURING COMPOUND.

FOUNDATION NOTES:

1. FOUNDATIONS 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, CONSTRUCTION OF THE FOUNDATIONS MUST BE STOPPED AND A GEOTECHNICAL ENGINEER BE CONTACTED.
2. NO FOUNDATIONS SHALL BE PLACED INTO OR ADJACENT TO SUBGRADE CONTAINING WATER, ICE, FROST, ORGANIC OR LOOSE MATERIAL.
3. WATER SHALL NOT BE PERMITTED TO ACCUMULATE IN FOUNDATION EXCAVATIONS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCAL FROST DEPTH REQUIREMENT PRIOR TO CONSTRUCTION.
5. IF FOUNDATIONS SHOWN DO NOT MEET LOCAL FROST DEPTH REQUIREMENTS, EXTEND THE DRILLED PIER FOUNDATION AS REQUIRED, EXTENDING THE VERTICAL BARS AND PROVIDING ADDITIONAL TIES TO MEET SPACING REQUIREMENTS AS SHOWN. IF FROST DEPTH REQUIREMENTS ARE NOT MET, AND NO DRILLED PIER DESIGN IS PROVIDED, CONTACT POLIGON.
6. ALLOWABLE SOIL PRESSURES (AS APPLICABLE):

SPREAD PAD	
VERTICAL BEARING	1400 PSF
LATERAL COHESION	150 PSF

THE FOUNDATION DESIGN CONTAINED HEREIN IS SITE SPECIFIC, AND IS BASED ON GEOTECHNICAL ENGINEERING REPORT, SUGAR HOUSE PARK PAVILIONS, SALT LAKE, UT, BY TERRACON. DATED 12/27/2024. REPORT NO. 61245209.
PROPER CARE MUST BE TAKEN TO ENSURE ANY AND ALL RECOMMENDATIONS, OF THE ABOVE-MENTIONED REPORT, FOR SITE PREPARATION, SOIL PERFORMANCE AND FOUNDATION DESIGN ARE MET. IF CONDITIONS ARE PRESENT THAT DO NOT ALLOW FOR THESE RECOMMENDATIONS TO BE MET, THE GEOTECHNICAL ENGINEER MUST BE CONTACTED.

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REV LEVEL: A
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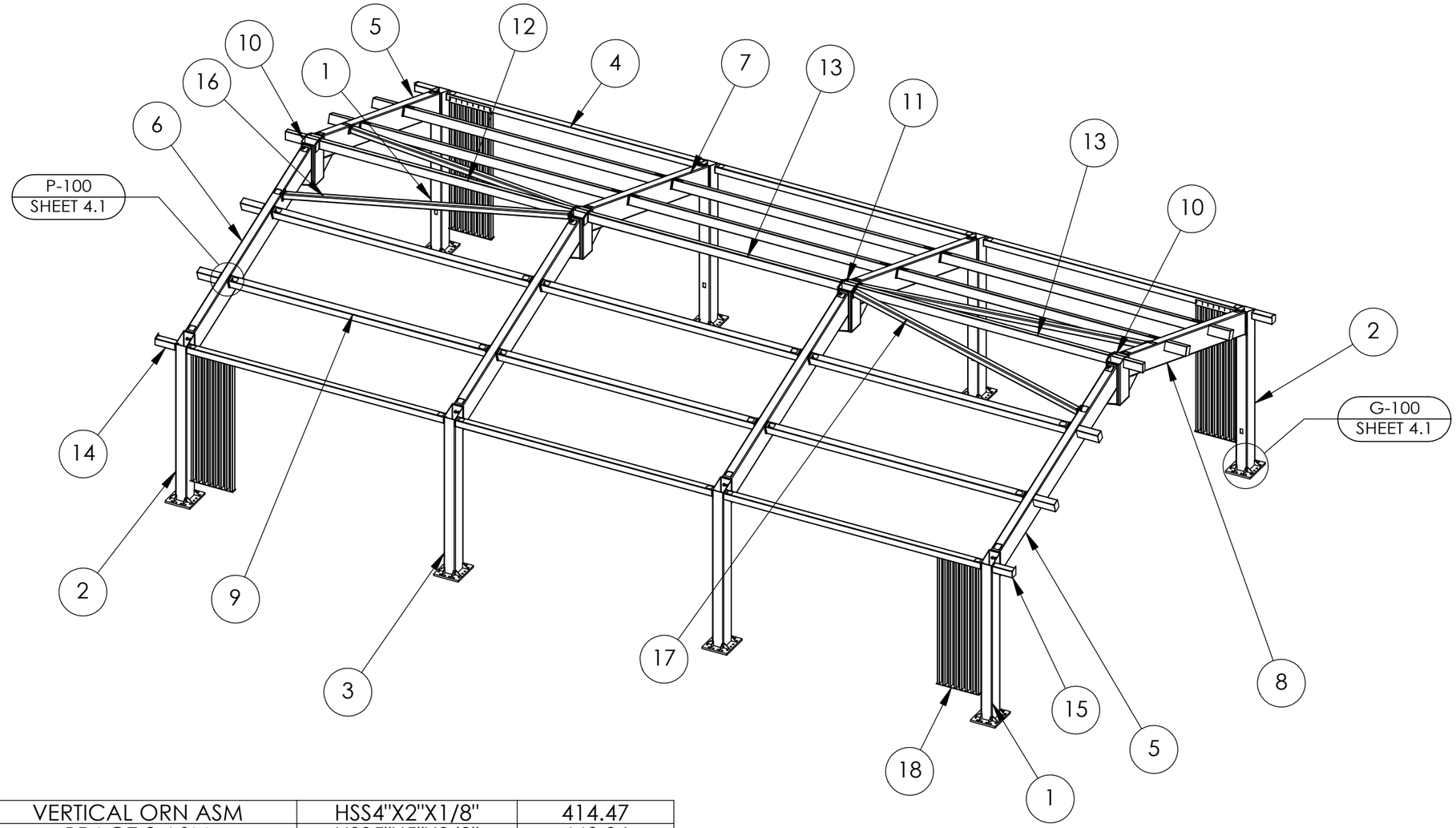
PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ANCHOR AND FOOTING DETAILS
SHEET 2.1



ITEM	QTY.	PART NO.	DESCRIPTION	MATERIAL SIZE	WEIGHT
18	4	-	VERTICAL ORN ASM	HSS4"X2"X1/8"	414.47
17	2	-	BRACE 2 ASM	HSS5"X5"X3/8"	442.06
16	2	-	BRACE 1 ASM	HSS5"X5"X3/8"	442.06
15	2	-	EBEAM TAIL 2 ASM	HSS6"X6"X3/16"	26.46
14	2	-	EBEAM TAIL 1 ASM	HSS6"X6"X3/16"	26.46
13	2	-	RIDGE BEAM 2 ASM	HSS8"X4"X3/16"	281.58
12	1	-	RIDGE BEAM 1 ASM	HSS8"X4"X3/16"	282.08
11	2	-	C-TUBE 2 ASM	HSS16"X12"X3/8"	444.86
10	2	-	C-TUBE 1 ASM	HSS16"X12"X3/8"	443.83
9	12	-	PURLIN ASM	HSS8"X6"X3/16"	335.12
8	1	-	TRUSS 4 ASM	HSS20"X8"X3/8"	1402.67
7	4	-	TRUSS 3 ASM	HSS20"X8"X3/8"	1360.23
6	1	-	TRUSS 2 ASM	HSS20"X8"X3/8"	1404.42
5	2	-	TRUSS 1 ASM	HSS20"X8"X3/8"	1402.84
4	6	-	TMEM ASM	HSS6"X6"X3/16"	280.51
3	4	-	COLUMN 3 ASM	HSS14"X10"X3/8"	968.47
2	2	-	COLUMN 2 ASM	HSS14"X10"X3/8"	968.64
1	2	-	COLUMN 1 ASM	HSS14"X10"X3/8"	968.64

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PROJECT: PARLEY'S CREEK
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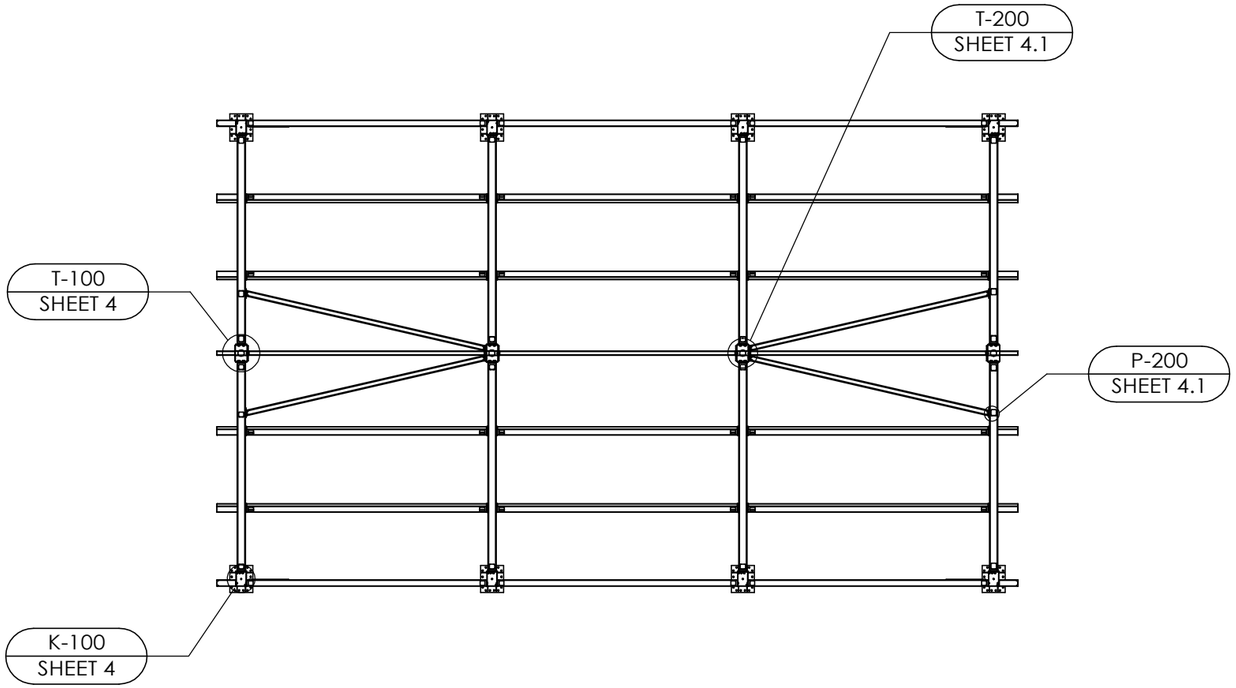
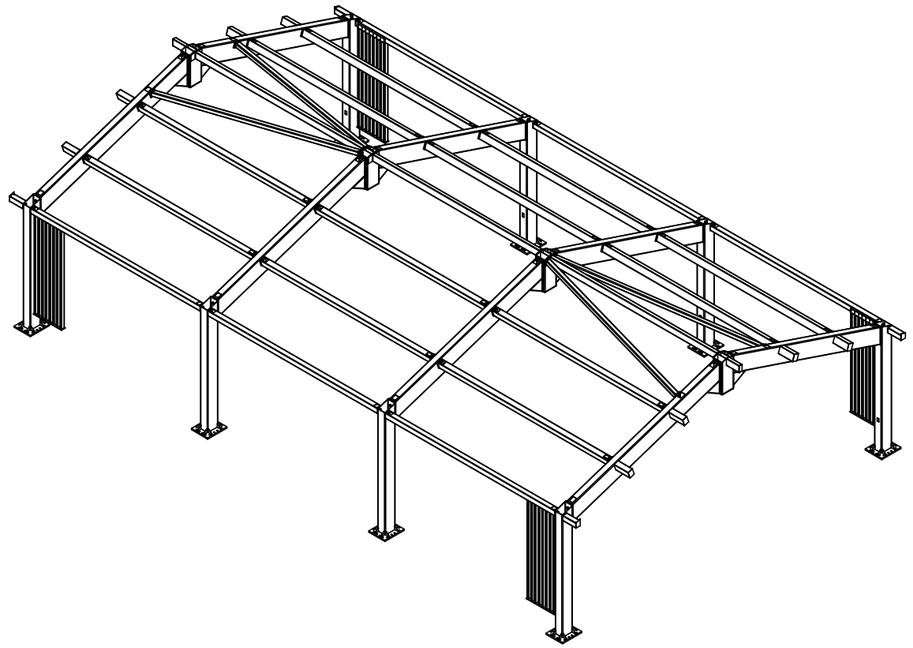
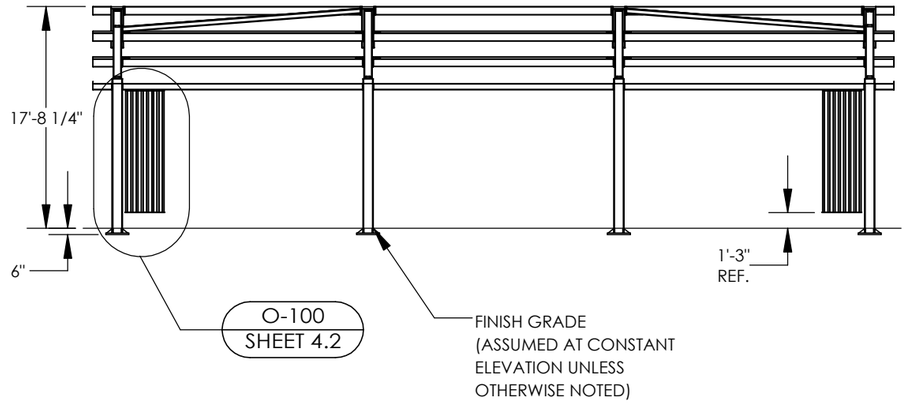
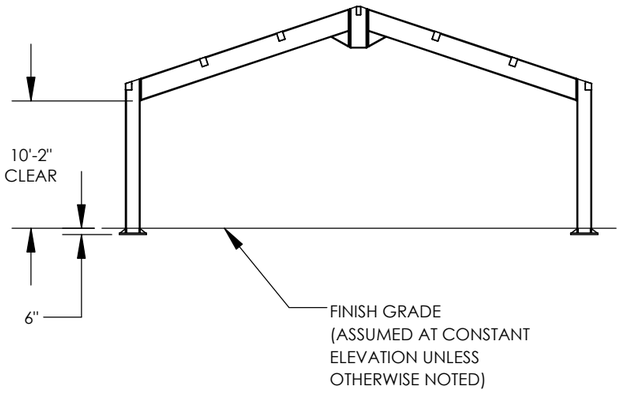
DRAWING: STRUCTURAL FRAMING PLAN

SHEET
3









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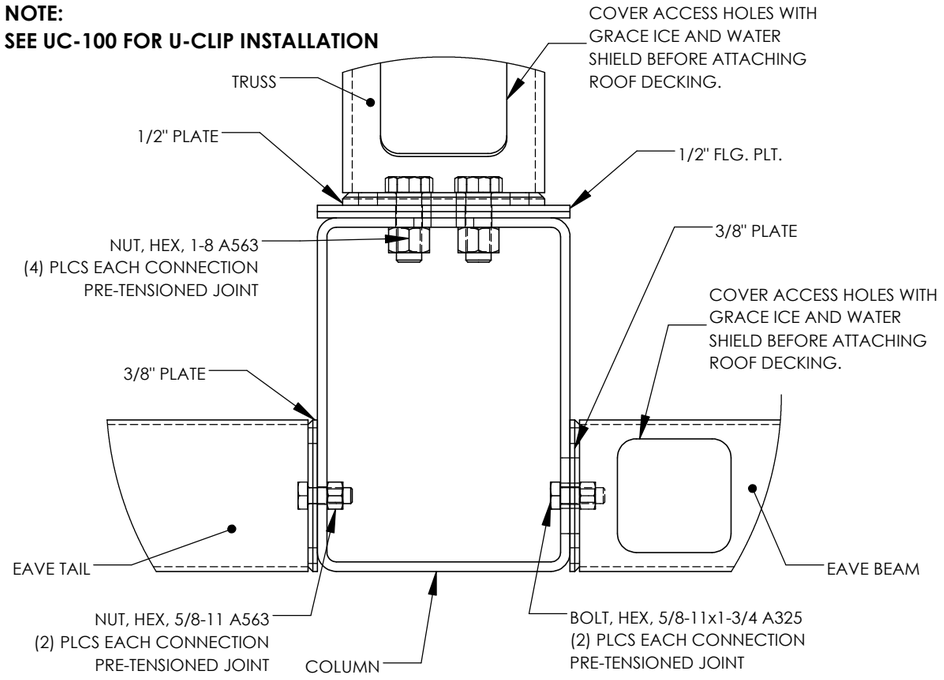
PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: STRUCTURAL FRAMING PLAN

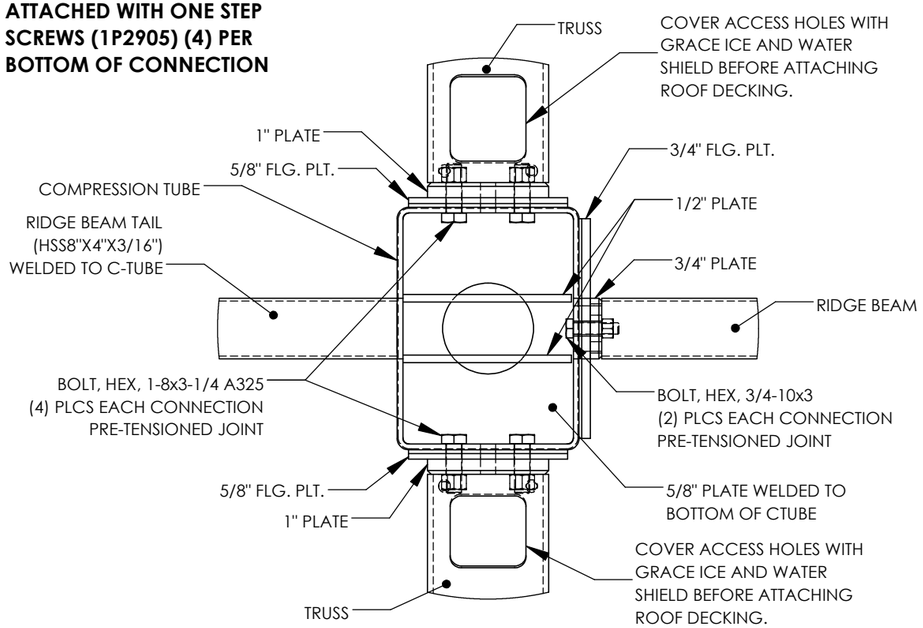
SHEET
3.1

NOTE:
SEE UC-100 FOR U-CLIP INSTALLATION



COLUMN CONNECTIONS	K-100

NOTE:
COVER PLATE ATTACHED WITH ONE STEP SCREWS (1P2905) (4) PER BOTTOM OF CONNECTION



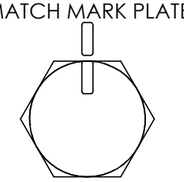
COMPRESSION MEMBER CONNECTION	T-100

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.

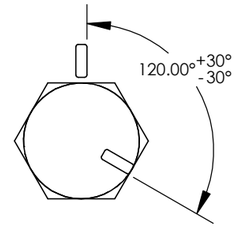
STEP ONE:

AFTER SNUG TIGHT, MATCH MARK PLATE



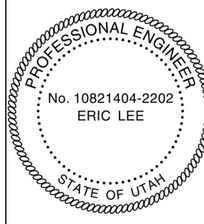
STEP TWO:

THEN TURN BOLT/NUT PAST SNUG TIGHT 1/3 TURN



CONNECTION NOTES:

1. HIGH STRENGTH BOLTS SHALL BE ASTM F3125 (A325, TYPE 1) MATERIAL.
2. HIGH STRENGTH NUTS SHALL BE ASTM A563 (GRADE DH) MATERIAL.
3. HIGH STRENGTH WASHERS SHALL CONFORM TO ASTM F436.
4. UNLESS A SNUG-TIGHT JOINT IS PERMITTED IN THE CONNECTION DETAIL, ALL BOLTS ARE TO BE INSTALLED BY ONE OF THE FOLLOWING PRETENSIONING METHODS AS SPECIFIED IN THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS", SECTION 8:
   A. TURN-OF-NUT PRETENSIONING
   B. CALIBRATED WRENCH PRETENSIONING
5. THE SNUG-TIGHT CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.
6. ANCHOR BOLTS NEED NOT BE TIGHTENED PAST SNUG-TIGHT.
7. WHEN INSTALLING BOLTS REFER TO SECTIONS 8.4.1, 8.4.2, AND 8.4.3 OF THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" FOR GUIDANCE.
8. LOCAL JURISDICTIONS MAY REQUIRE AN INSPECTOR TO BE PRESENT TO WITNESS HARDWARE INSTALLATION AND INDEPENDENT TESTING. INSPECTION REQUIREMENTS SHOULD BE VERIFIED BY INSTALLER PRIOR TO STEEL ERECTION.
9. ERECTION OF THE FRAMING MEMBERS WILL REQUIRE THE MAIN COLUMNS TO BE PLUMB SQUARE AND TIGHTENED TO THE TRUSSES AND/OR TENSION MEMBERS BEFORE INSTALLING THE PURLINS. PURLINS, IF REQUIRED, MUST BE AS SHOWN IN FRAMING PLAN.
10. TEMPORARY SHORING OR BRACING SHALL BE USED TO COMPACT THE JOINTS UNTIL THE CONNECTED PLIES ARE IN FIRM CONTACT PRIOR TO PRETENSIONING.
11. PRIOR TO THE ERECTION OF SHELTER COMPONENTS, IT IS RECOMMENDED TO CHASE AND TAP STRUCTURAL HARDWARE.
12. ALL BOLTS MUST BE LUBRICATED WITH WAX TO ASSIST IN PROPER TIGHTENING. TO LUBRICATE A BOLT IN THE FIELD, APPLY THE WAX STICK DOWN THE LENGTH OF THE BOLT'S THREADS.
13. TO PREVENT RUST STAINING OF FINISH, ALL METAL SHAVINGS MUST BE REMOVED AFTER INSTALLATION. ENSURE NO SHAVING ARE TRAPPED BETWEEN MATING SURFACES.
14. TOUCH-UP PAINT MUST BE APPLIED TO ALL EXPOSED FASTENERS. PERIODIC TOUCH-UP AT THESE CONNECTIONS IS REQUIRED.



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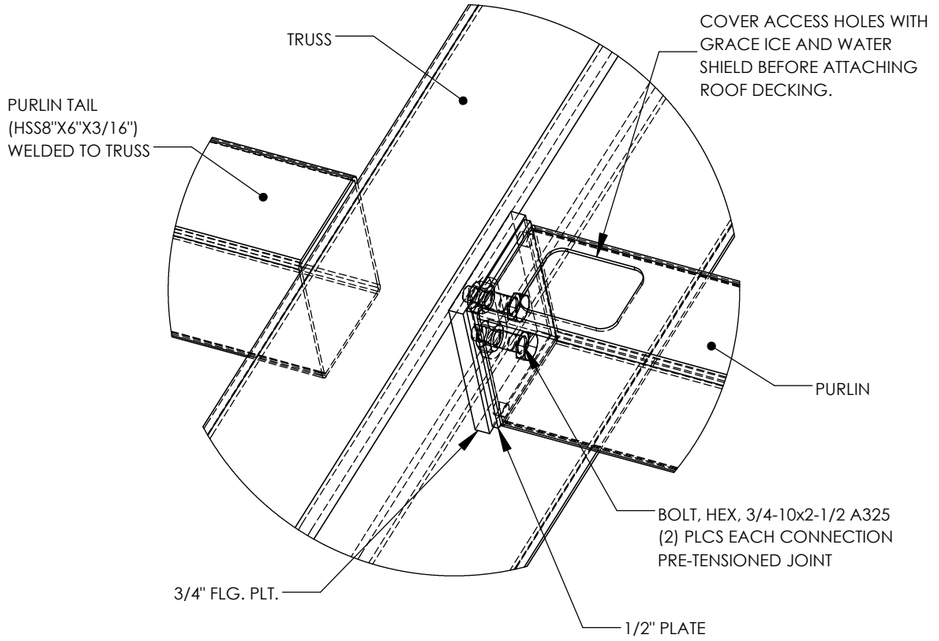
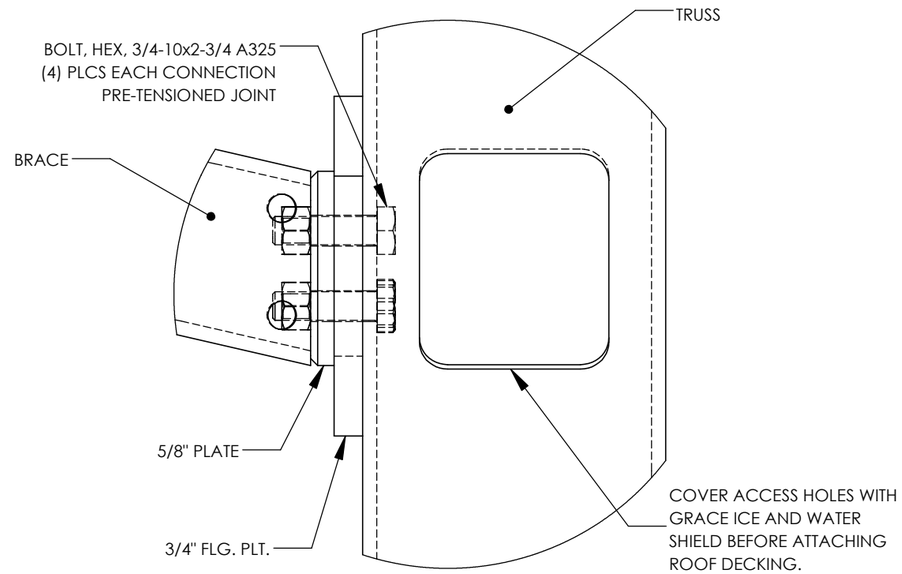
REV LEVEL: A
CREATION DATE: 11/16/2016
ORDER NO: 81859
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: FRAME CONNECTION DETAILS

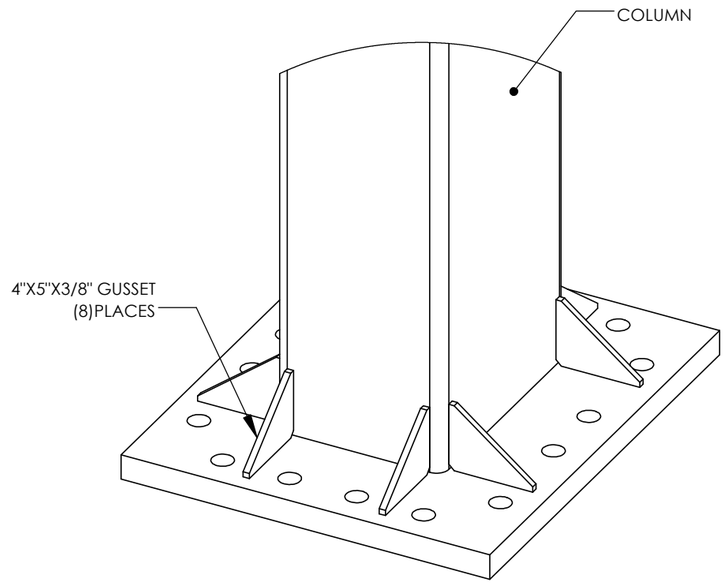
SHEET
4



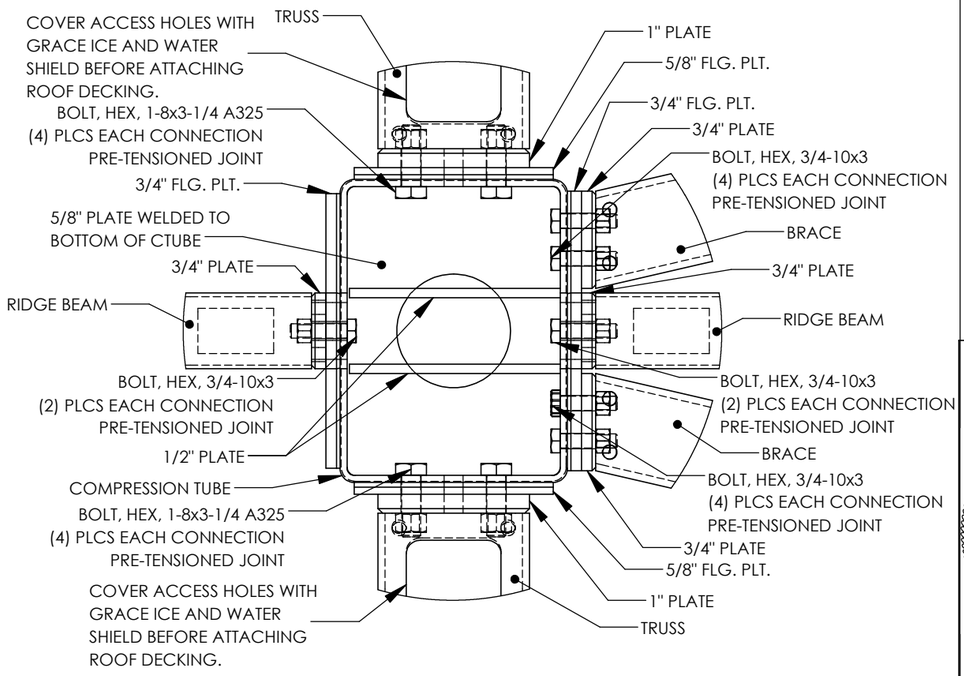
PURLIN CONNECTION | P-100



PURLIN CONNECTION | P-200



COLUMN GUSSET DETAIL | G-100



COMPRESSION MEMBER CONNECTION | T-200

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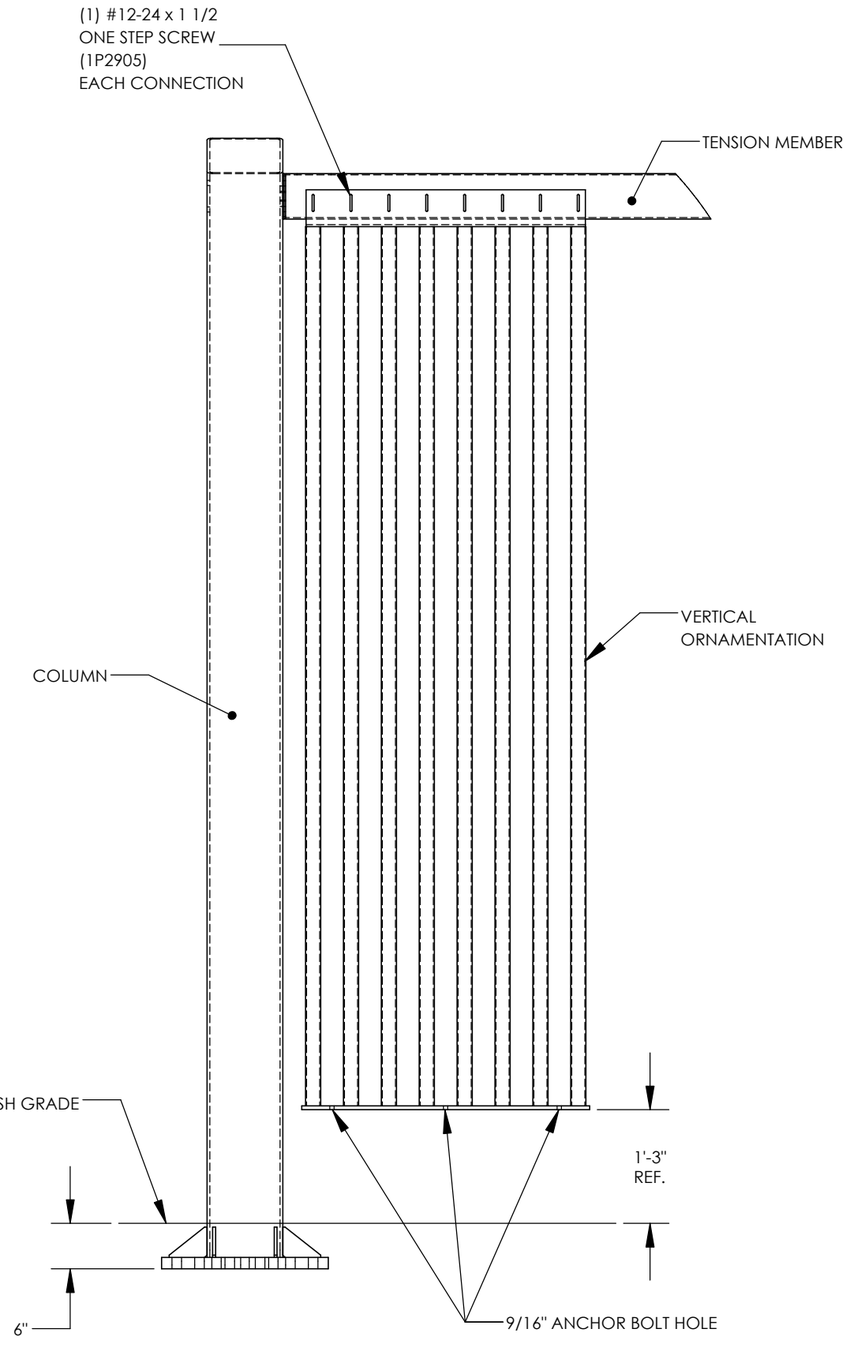
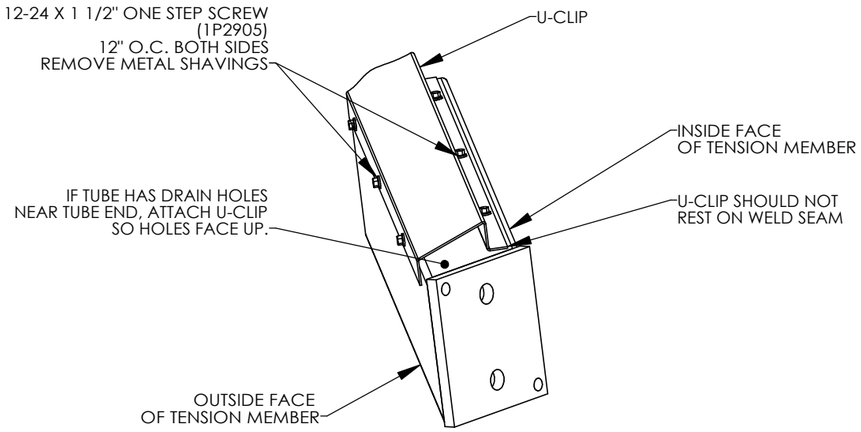
PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: FRAME CONNECTION DETAILS

SHEET
4.1

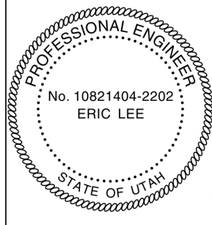


VERTICAL ORNAMENTATION CONNECTION | O-100

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



U-CLIP CONNECTION | UC-100



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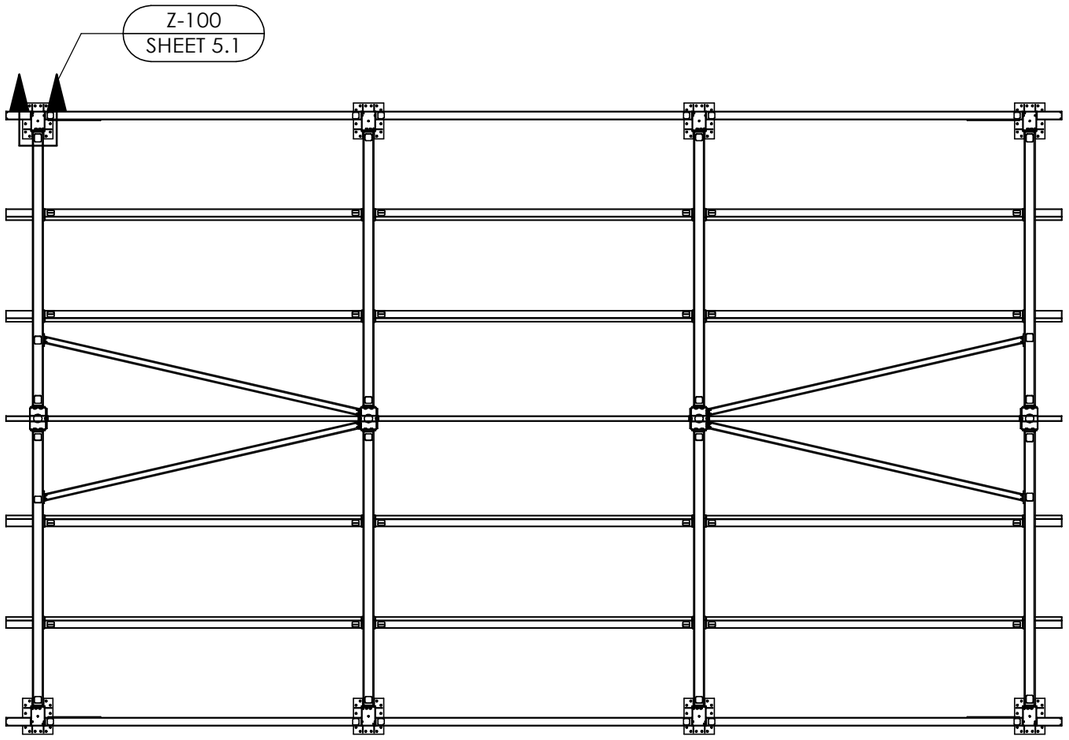
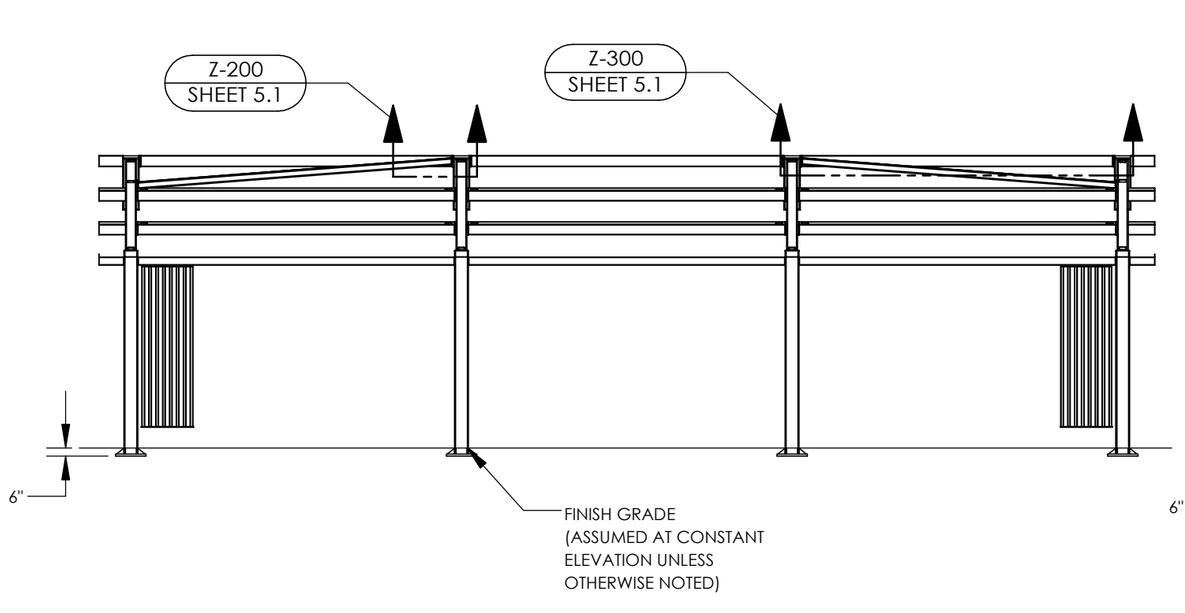
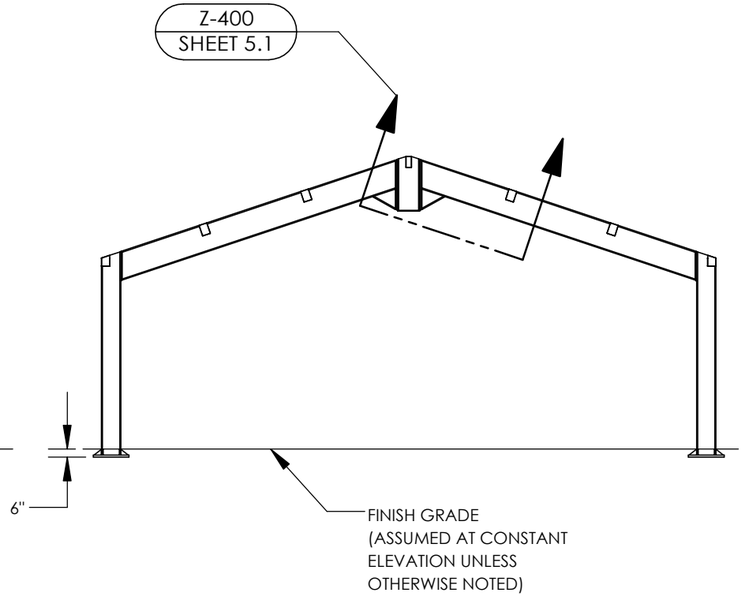
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: FRAME CONNECTION DETAILS

SHEET
4.2







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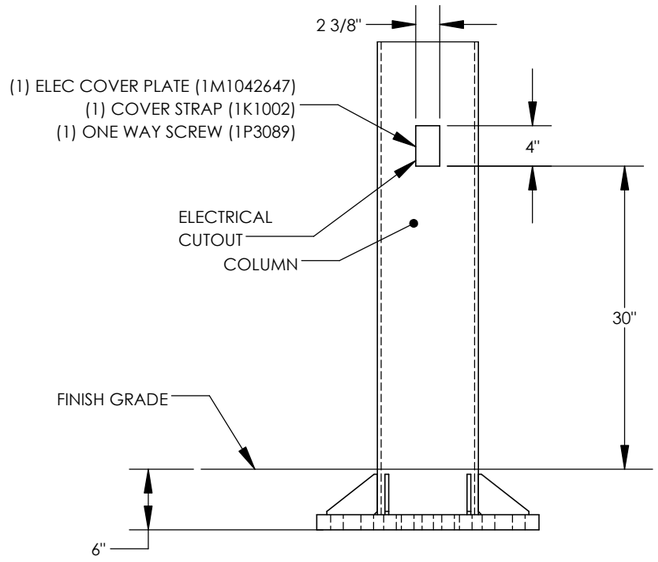
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ELECTRICAL VIEWS

SHEET
5

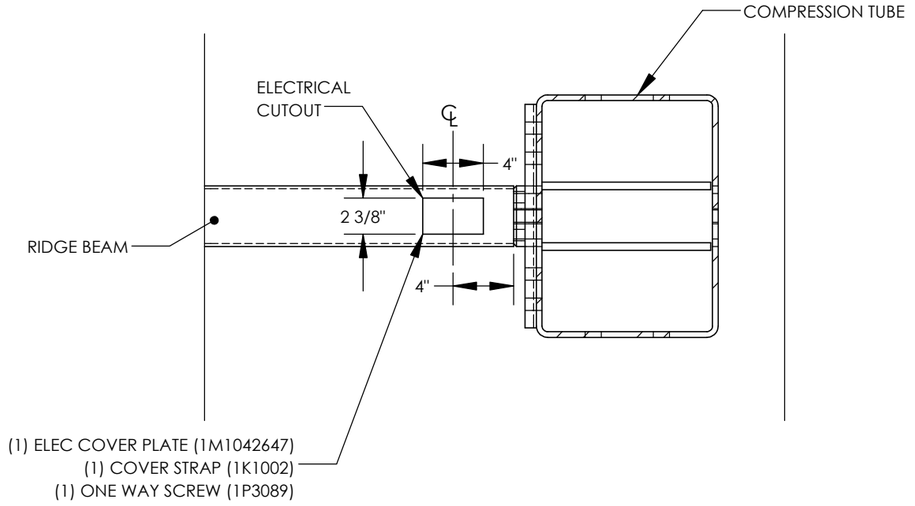
NOTE: COVER PLATES PROVIDED FOR ALL ELECTRICAL CUTOUTS



CUTOUT TYPICAL ON ALL COLUMN ASM
CUSTOMER TO VERIFY CUTOUT SIZE AND LOCATION

ELECTRICAL CUTOUT LOCATION | Z-100

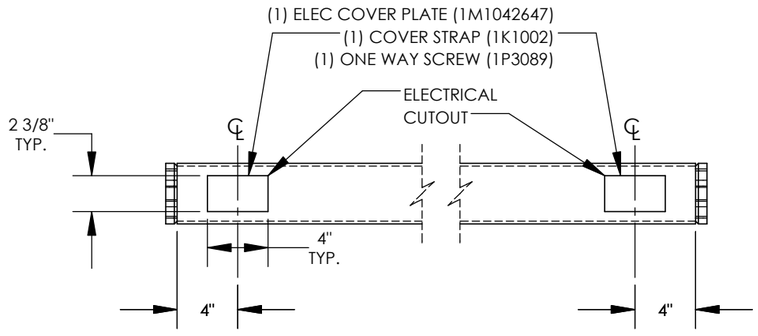
NOTE: COVER PLATES PROVIDED FOR ALL ELECTRICAL CUTOUTS



CUTOUT ON RIDGE 1 ASM ONLY
CUSTOMER TO VERIFY CUTOUT SIZE AND LOCATION

ELECTRICAL CUTOUT LOCATION | Z-200

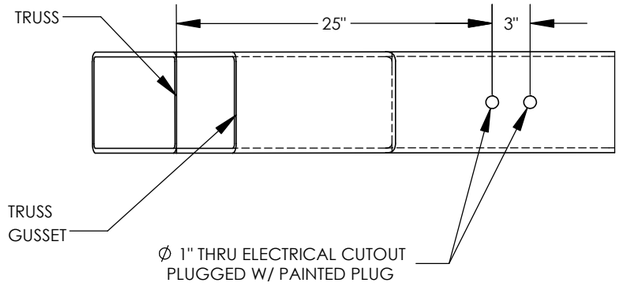
NOTE: COVER PLATES PROVIDED FOR ALL ELECTRICAL CUTOUTS



CUTOUT TYPICAL ON RIDGE 2 ASM
CUSTOMER TO VERIFY CUTOUT SIZE AND LOCATION

ELECTRICAL CUTOUT LOCATION | Z-300

NOTE: COVER PLATES PROVIDED FOR ALL ELECTRICAL CUTOUTS



CUTOUT ON TRUSS 4 ASM ONLY
CUSTOMER TO VERIFY CUTOUT SIZE AND LOCATION

ELECTRICAL CUTOUT LOCATION | Z-400

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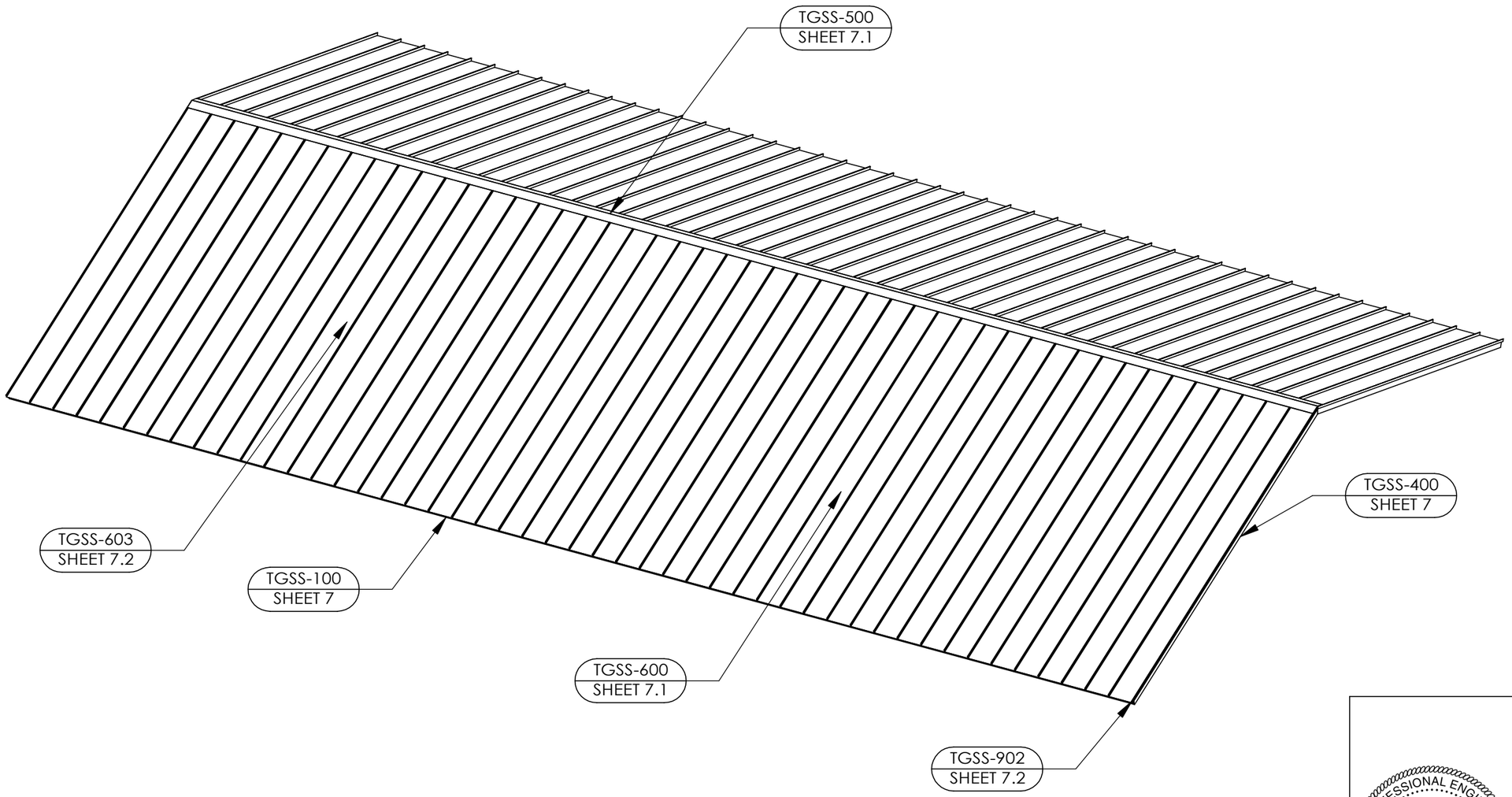
ORDER NO: 81859
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ELECTRICAL VIEWS

SHEET
5.1



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PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ROOF OVERVIEW

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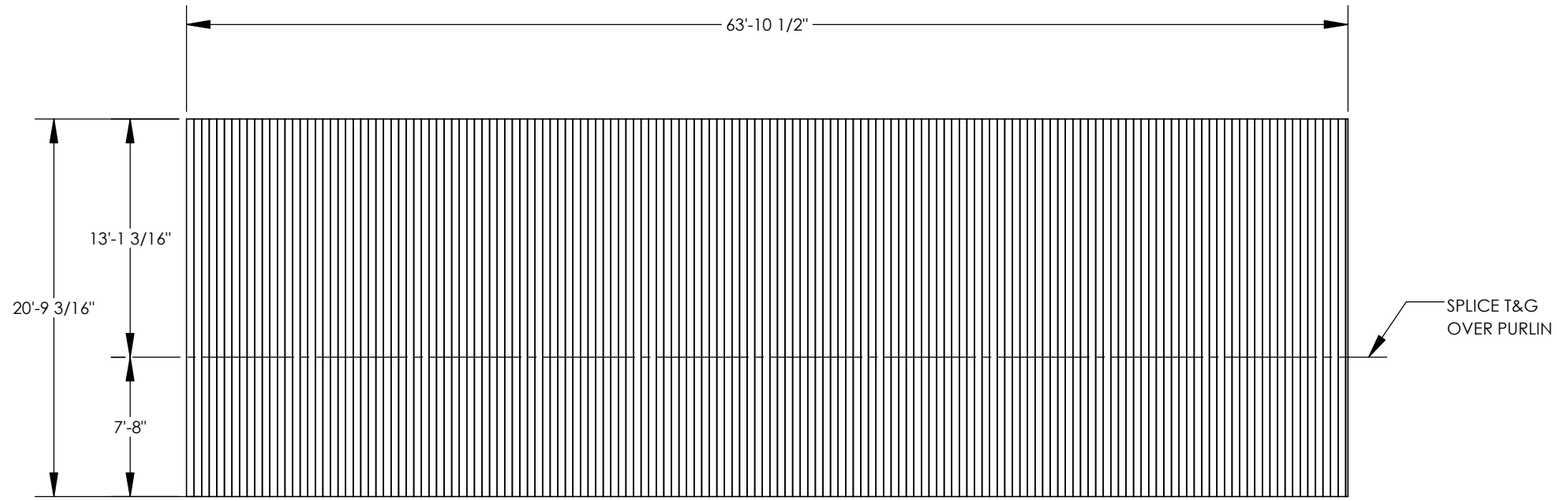
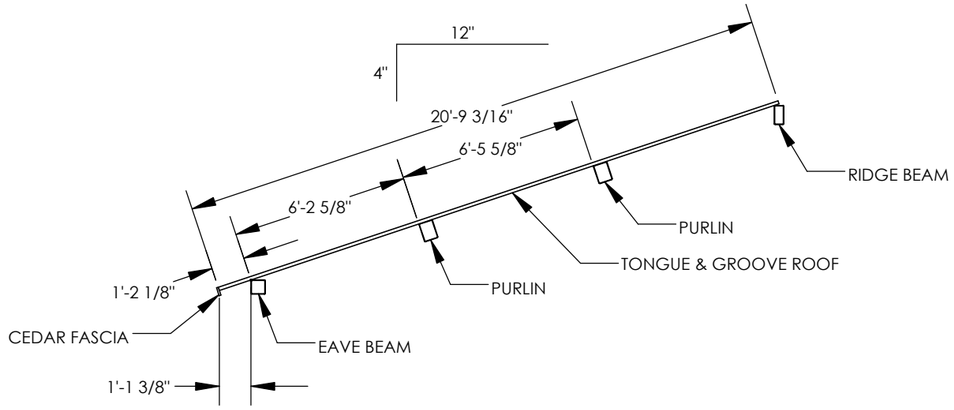
SHEET
6



TONGUE & GROOVE NOTES:

1. THE FIRST PLANK SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK. MAKE SURE PLANKS EXTEND ENOUGH TO COVER EAVE, TRUSSES, AND/OR THE CENTER OF THE PEAK.
2. THE T&G PROVIDED MAY CONTAIN SOME MINOR IMPERFECTIONS. REMOVE THESE IMPERFECTIONS AS REQUIRED AND USE REMAINDER OF MATERIAL TO ATTAIN MAXIMUM YIELD.
3. NO END JOINTS IN DECKING BETWEEN STRUCTURAL FRAMING AND EAVE OF DECKING.
4. A MINIMUM OF 24" SPACING IS REQUIRED BETWEEN ALL ADJACENT END JOINTS. BOARD LAYOUT MAY REQUIRE VISIBLE SPLICES.
5. IF PRE-STAINED T&G IS ORDERED, TOUCH-UP AT FIELD CUT EDGES MAY BE NECESSARY.
6. POLIGON 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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CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ROOF LAYOUT

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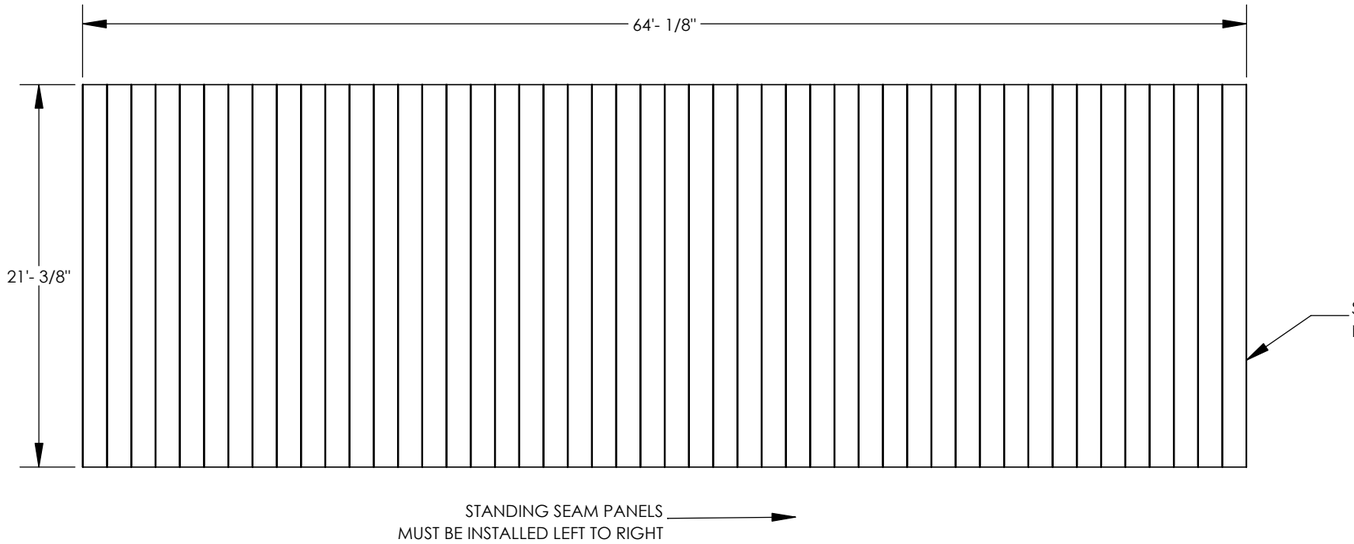
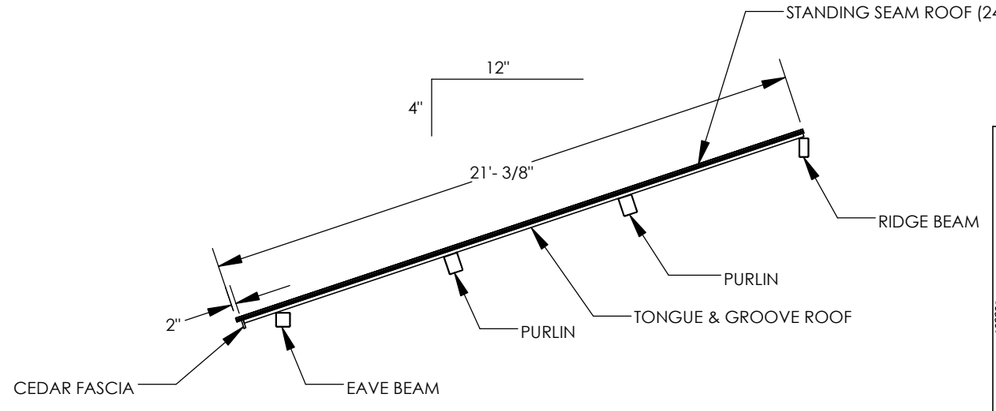
SHEET
6.1



STANDING SEAM INSTALLATION NOTES:

1. 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.
2. IT SHALL BE THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT THE DETAILS MEET PARTICULAR BUILDING REQUIREMENTS AND TO ASSURE ADEQUATE WATER TIGHTNESS.
3. THE ERECTOR SHOULD THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH ALL ERECTION INSTRUCTIONS BEFORE STARTING WORK.
4. THE PANELS SHOULD BE INSTALLED PLUMB, STRAIGHT, AND ACCURATELY TO THE ADJACENT WORK.
5. FLASHING AND TRIM SHALL BE INSTALLED TRUE, AND IN PROPER ALIGNMENT, WITH ANY EXPOSED FASTENERS EQUALLY SPACED FOR THE BEST APPEARANCE.
6. 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.
7. WORKMANSHIP SHALL BE OF THE BEST INDUSTRY STANDARDS AND INSTALLATION SHALL BE PERFORMED BY EXPERIENCED METAL CRAFTSMEN.
8. 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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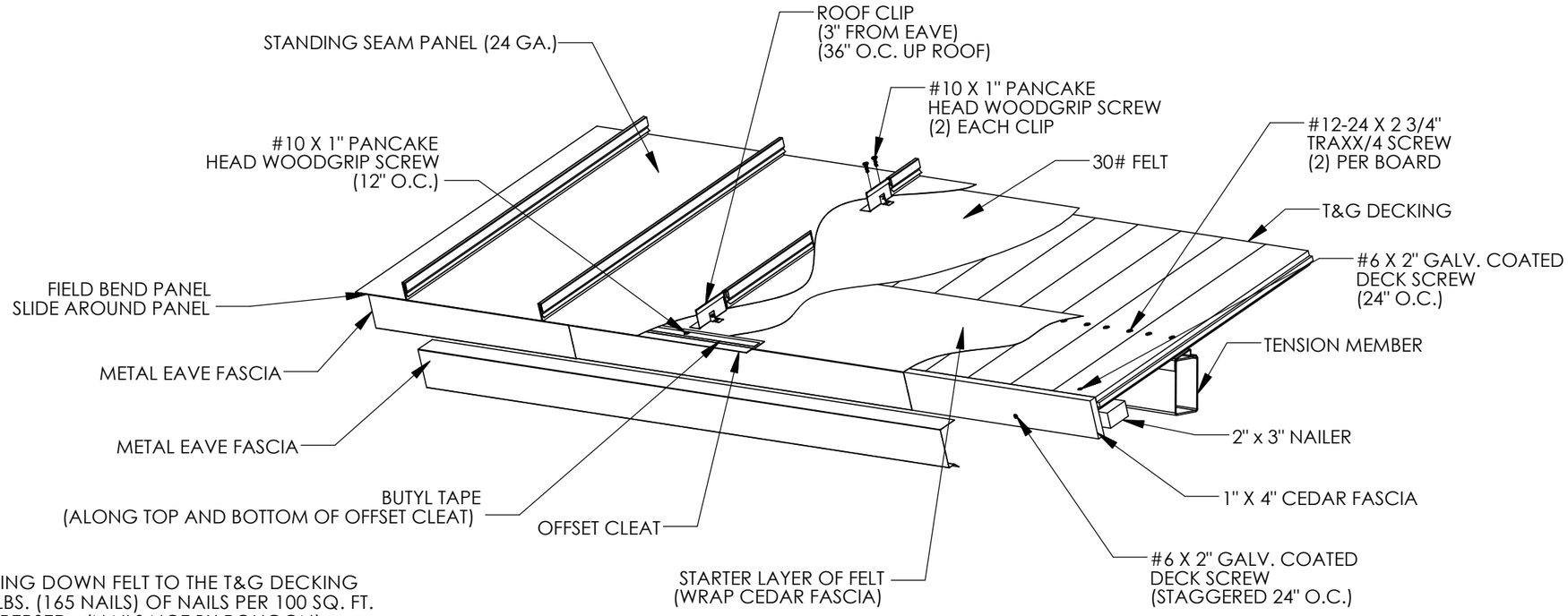
CREATION DATE: 11/16/2016
ORDER NO: 81859
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ROOF LAYOUT

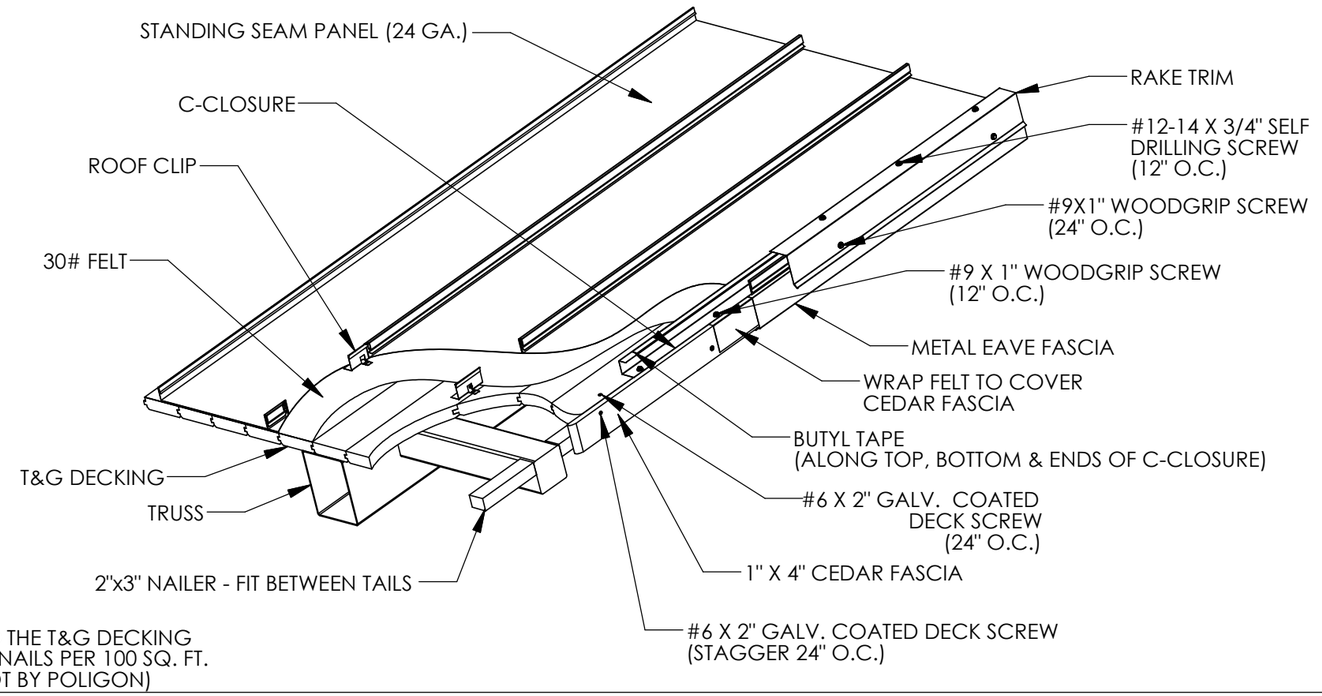
SHEET
6.2



NOTE:
WHEN NAILING DOWN FELT TO THE T&G DECKING APPLY 3/4 LBS. (165 NAILS) OF NAILS PER 100 SQ. FT. EVENLY DISPERSED. (NAILS NOT BY POLIGON)

EAVE DETAIL | TGSS-100

2022A



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RAKE DETAIL | TGSS-400

2023A

PART DESCTIPTIONS:

- 1/8" POP RIVET
- #6 x 2" GALV. COATED DECK SCREW
- #9x1" WOODGRIP SCREW
- #12-14x3/4" SELF DRILLING SCREW
- #12-24x2.75 TRAXX/4 SCREW
- 1" GALVANIZED ROOFING NAIL (NOT BY POLIGON)

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REV LEVEL: A
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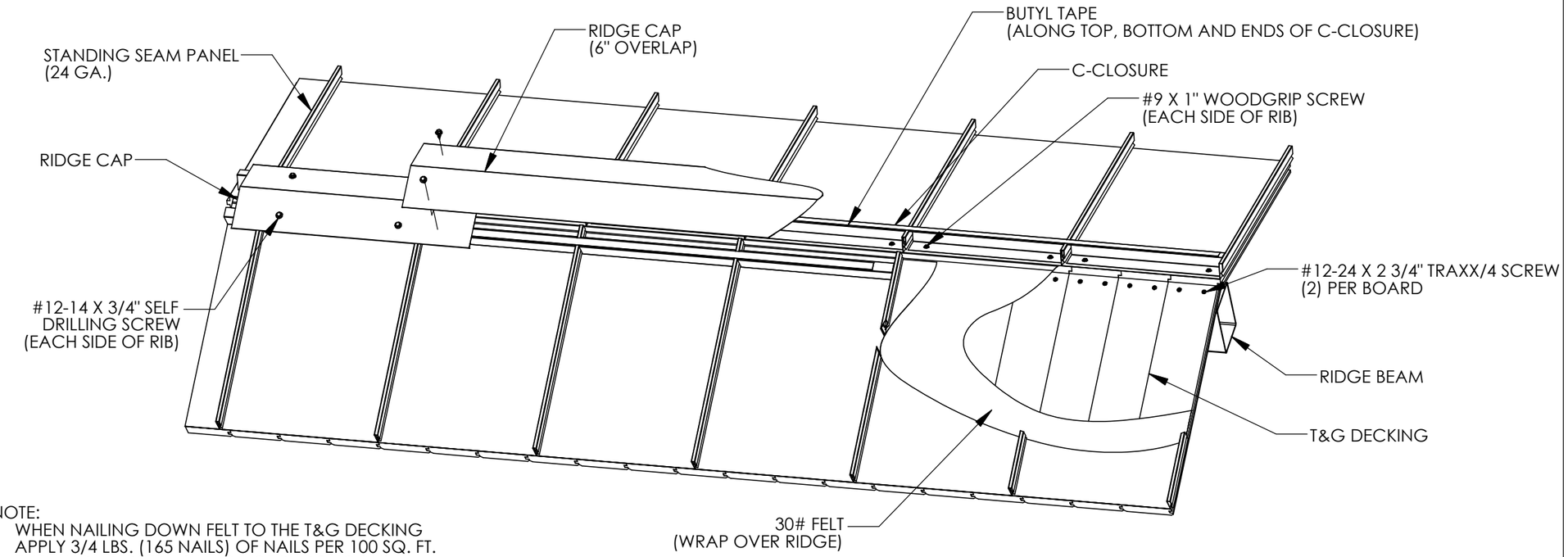
ORDER NO: 81859
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ROOF CONNECTION DETAILS

SHEET
7



NOTE:
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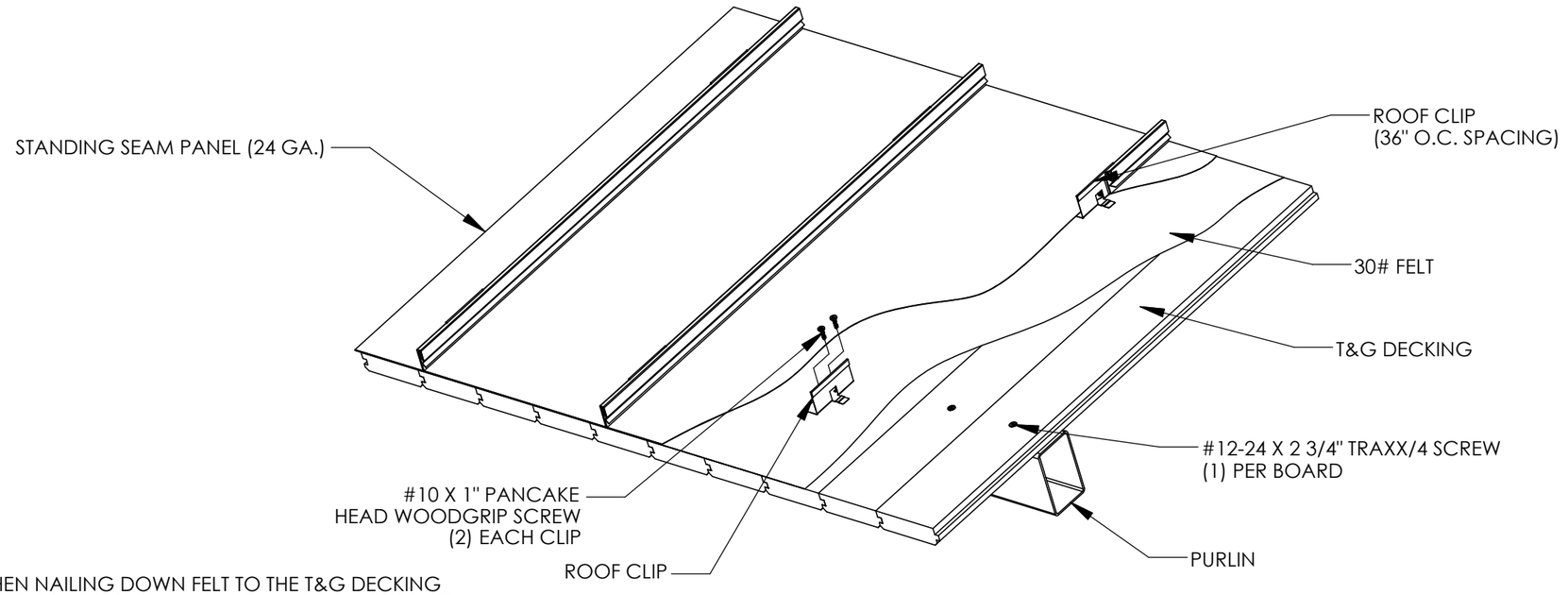
RIDGE DETAIL | TGSS-500

2023A



NOTE:
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MID SPAN DETAIL | TGSS-600

2022A

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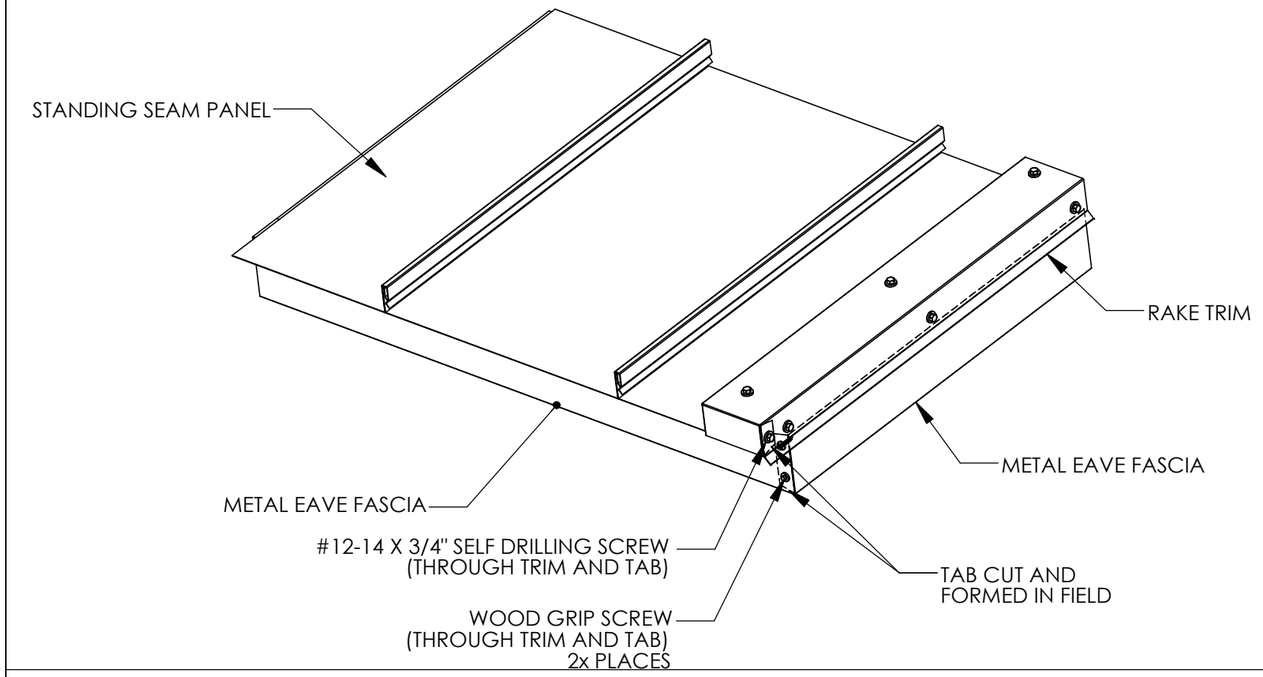
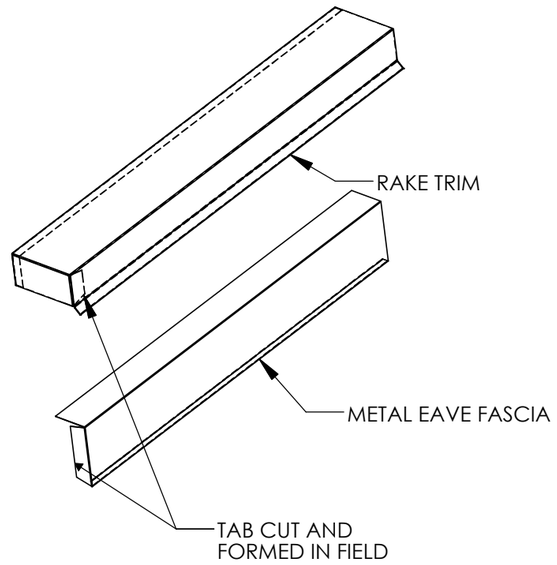
PRINT DATE: 2/7/2025
SCALE: NTS
DRAWN BY: dave.spell
REV LEVEL: A
CREATION DATE: 11/16/2016
ORDER NO: 81859
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ROOF CONNECTION DETAILS

SHEET
7.1

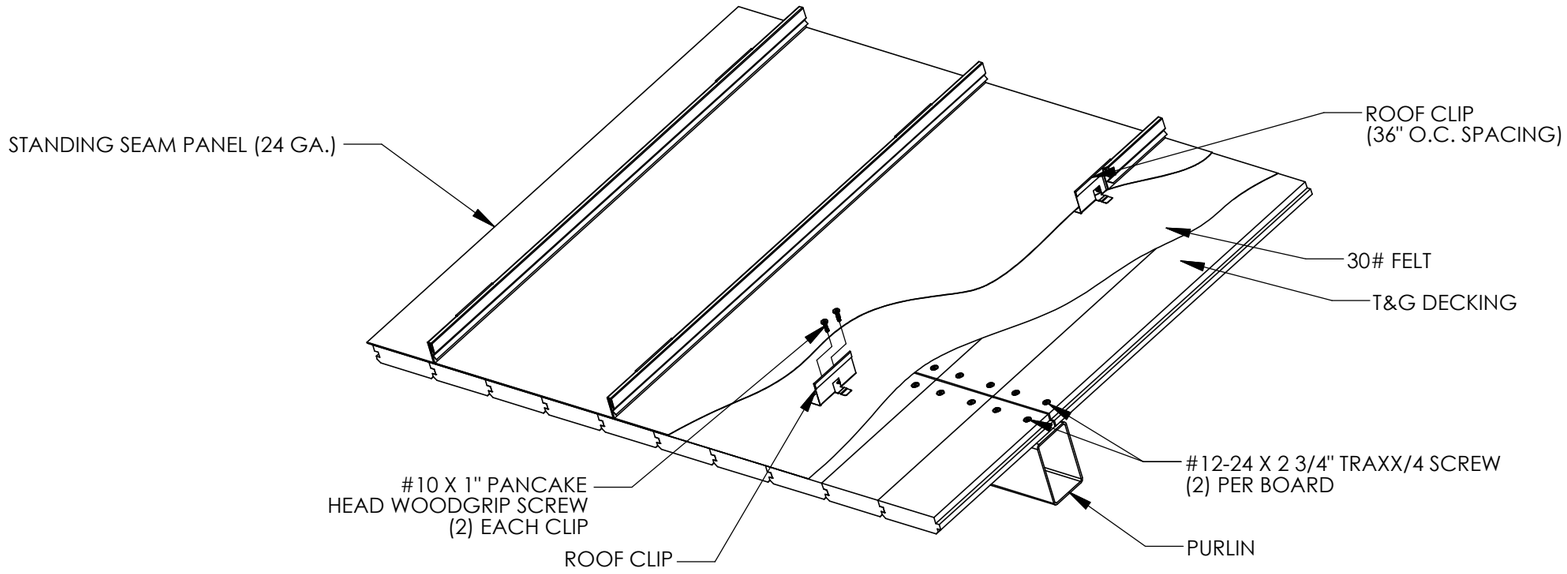




2023A

CORNER DETAIL

TGSS-902



NOTE:
WHEN NAILING DOWN FELT TO THE T&G DECKING APPLY 3/4 LBS. (165 NAILS) OF NAILS PER 100 SQ. FT. EVENLY DISPERSED. (NAILS NOT BY POLIGON)

2022A

MID SPAN DETAIL

TGSS-603

PROFESSIONAL ENGINEER
No. 10821404-2202
ERIC LEE
STATE OF UTAH

Digitally signed by Eric Lee
Date: 2025.02.13 05:35:44-05'00'

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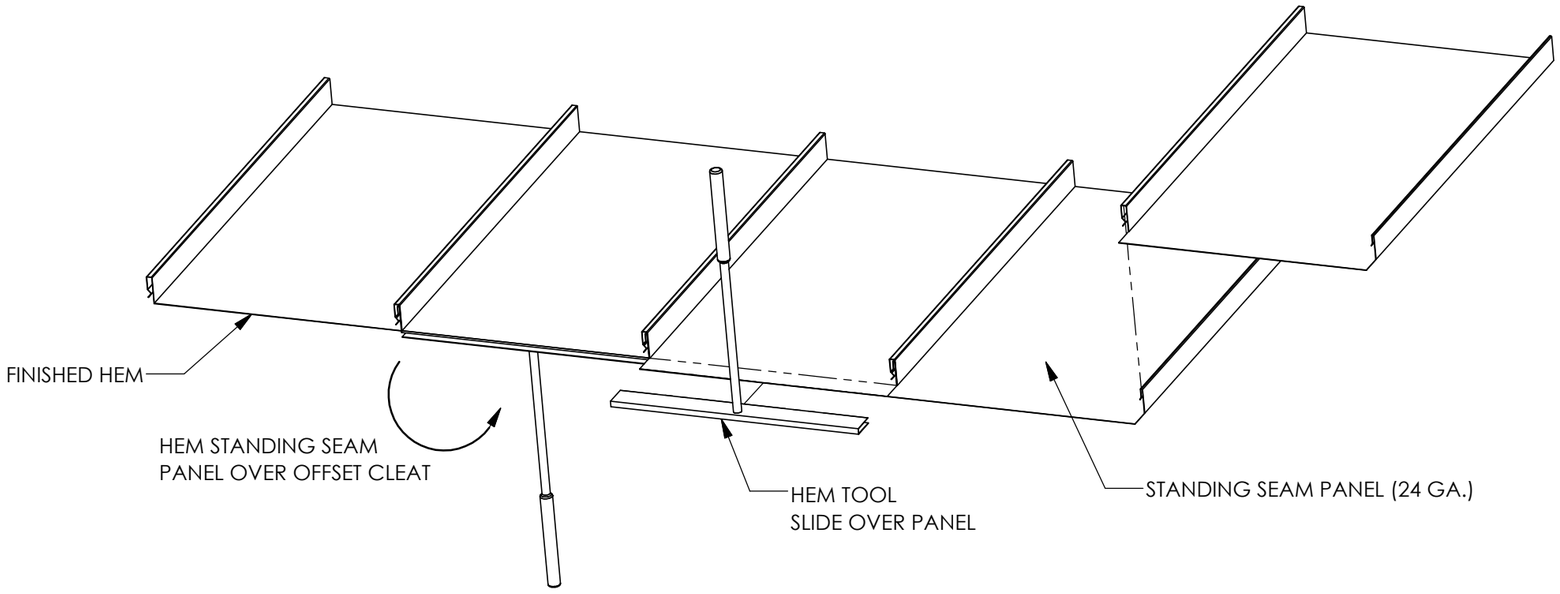
REV LEVEL: A
CREATION DATE: 11/16/2016
ORDER NO: 81859
CAD MODEL: ~P21135

PROJECT: PARLEY'S CREEK
PROJECT LOCATION: SALT LAKE CITY, UT
DRAWING: ROOF CONNECTION DETAILS

SHEET
7.2



-STANDING SEAM PANELS COME PRE-NOTCHED FROM THE FACTORY
-PANELS MUST BE INSTALLED FROM LEFT TO RIGHT (FEMALE LEG ON LEFT, MALE LEG ON THE RIGHT
-HEM TOOL NOT PROVIDED AS PART OF THE ROOF KIT

HEM DETAIL

SS HEM

2022A

PROFESSIONAL ENGINEER
No. 10821404-2202
ERIC LEE
STATE OF UTAH

Digitally signed by Eric Lee
Date: 2025.02.13 05:35:47-05'00'

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PROJECT: PARLEY'S CREEK
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DRAWN BY: dave.spell
REV LEVEL: A
PRINT DATE: 2/7/2025
SCALE: NTS

SHEET
7.3