

CITY OF SPARKS

VICTORIAN AMPHITHEATER PROJECT

PWP WA-2014-062

BID 13/14-013

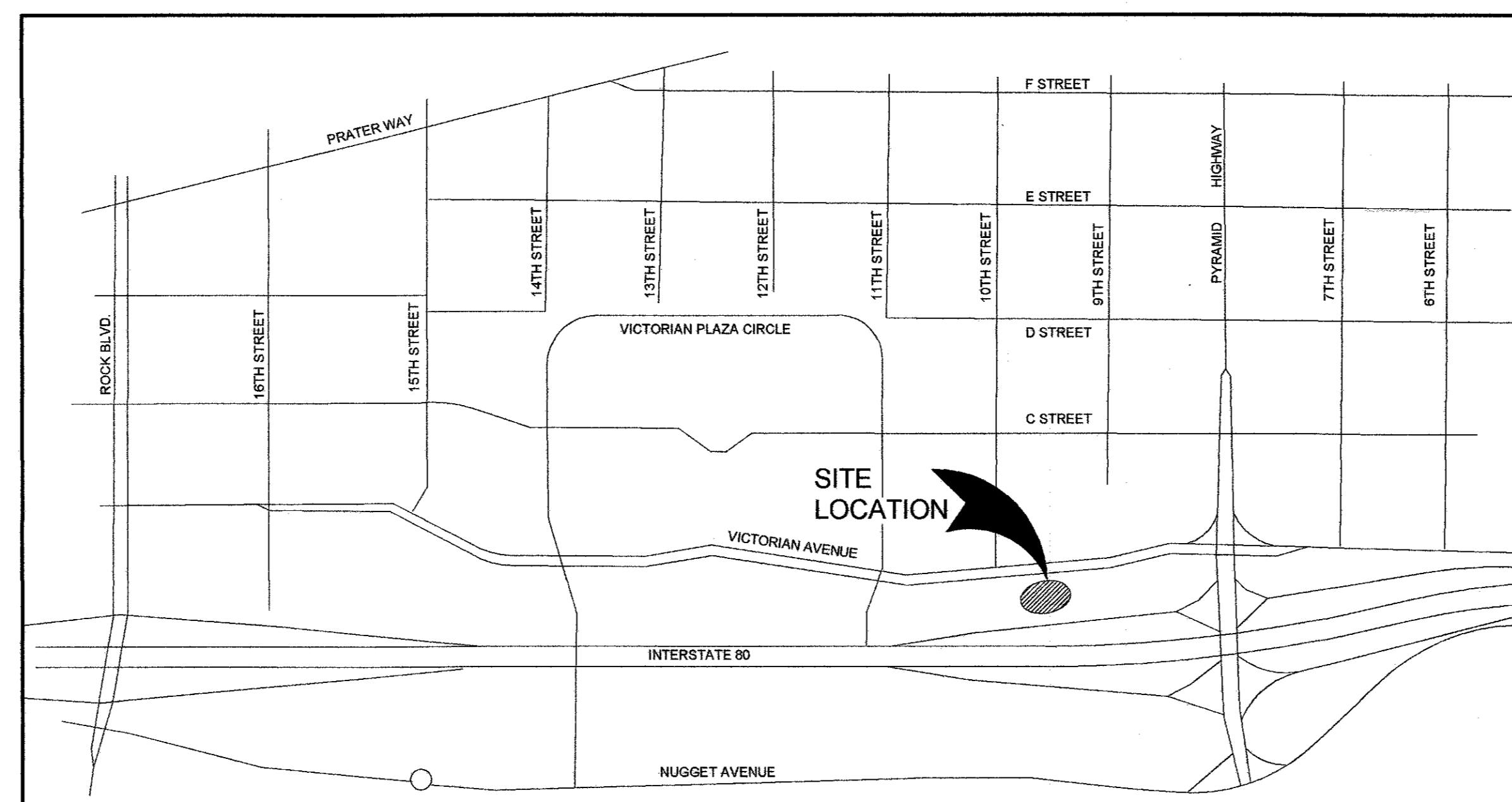
ISSUED FOR
BIDDING

PREPARED BY
TOBEY-WADE CONSULTING



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DEPUTY CITY MANAGER FOR COMMUNITY SERVICES

12/10/13
DATE:



SITE LOCATION

NO SCALE

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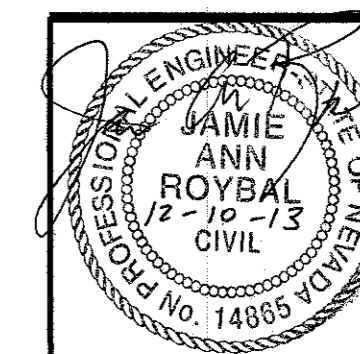
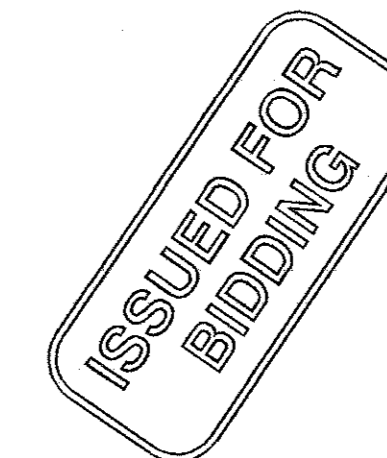
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DRAWING INDEX

- T-1 TITLE SHEET
- S0.1 GENERAL NOTES AND ABBREVIATIONS / SYMBOLS
- S0.1.1 GENERAL NOTES AND INSPECTION REQUIREMENTS
- S1.0 MAIN FLOOR / ROOF AND CEILING FRAMING PLANS
- S2.0 ELEVATIONS AND SECTIONS
- S3.0 ROOF AND CEILING FRAMING / DECKING DETAILS
- S3.1 CUPOLA & WALL FRAMING DETAILS
- E0.1 ELECTRICAL SYMBOL LIST AND GENERAL NOTES
- E0.2 ELECTRICAL SPECIFICATIONS
- E1.1 AMPHITHEATER DEMOLITION PLAN
- E2.1 AMPHITHEATER LIGHTING PLAN

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EXPIRES DECEMBER 31, 2013
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T-1
1 OF 11 SHEETS

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STRUCTURAL DRAWING ABBREVIATION LIST

AB.	- ANCHOR BOLT
ABT.	- ABOUT
A.F.F.	- ABOVE FINISHED FLOOR
AGGR.	- AGGREGATE
APPROX.	- APPROXIMATE
ARCH.	- ARCHITECTURAL
B.B.PL.	- BOTTOM OF BASE PLATE
B.C.	- BOLT CIRCLE
BLKG.	- BLOCKING
BM.	- BEAM
B.N.	- BOUNDARY NAILING
B.S.	- BOTH SIDES
BOF.	- BOTTOM OF FOOTING
BOT. (OR BTM.)	- BOTTOM
BTWN.	- BETWEEN
BY	- BOTH WAYS
C-C	- CENTER TO CENTER
C.I.P.	- CAST-IN-PLACE
CJ.	- CONTROL JOINT
C.L. (OR C.)	- CENTERLINE
CLR.	- CLEAR
CMU.	- CONCRETE MASONRY UNIT
CONC.	- CONCRETE
CONT.	- CONTINUOUS
DBA	- DEFORMED BAR ANCHOR
DIA. (OR Ø)	- DIAMETER
DO (OR 'OO')	- REPEAT INDICATED STRUCT. MEMBER
DWG.	- DRAWING
DWL	- DWEL
EA.	- EACH
E.F.	- EACH FACE
EL. (OR ELEV.)	- ELEVATION
EMBED.	- EMBEDMENT
EN.	- EDGE NAILING
EQ.	- EQUAL
E.N.	- EACH WAY
(E)	- EXISTING
FD	- FLOOR DRAIN
F.F.	- FAR FACE
F.F.L.	- FINISHED FLOOR
F.N.	- FIELD NAILING
F.O.	- FACE OF
F.S.	- FAR SIDE
FTG	- FOOTING
GA	- GAGE
GALV.	- GALVANIZED
HDR	- HEADER
H.P.	- HIGH POINT
HSA	- HEADED STUD ANCHOR
H.S.B.	- HIGH STRENGTH BOLT
I.D.	- INSIDE DIAMETER
INV. (OR I.E.)	- INVERT (INVERT ELEVATION)
I.F.	- INSIDE FACE
K	- KIP
L.P.	- LOW POINT
L.L.V.	- LONG LEG VERTICAL
MAX	- MAXIMUM
MB	- MACHINE BOLT
MECH.	- MECHANICAL
MIN.	- MINIMUM
(N)	- NEW
N.F.	- NEAR FACE
N.I.C.	- NOT IN CONTRACT
N.S.	- NEAR SIDE
N.T.S.	- NOT TO SCALE
O.F.	- OUTSIDE FACE
O.C.	- ON CENTER
OPP.	- OPPOSITE
PL. (OR P.)	- PLATE
P.T.	- PRESSURE TREATED
RD	- ROOF DRAIN
REINF.	- REINFORCING
REQ'S	- REQUIREMENTS
SAD	- SEE ARCHITECTURAL DRAWINGS
S.A.P.	- SHOP ASSEMBLED PIECE
SCJ	- SLAB CONTROL JOINT
SIM	- SIMILAR
SQ.	- SQUARE
STD	- STANDARD
STRUCT.	- STRUCTURAL
SW	- SHEAR WALL
SYM.	- SYMMETRICAL
T & B	- TOP AND BOTTOM PIECE
T.J.	- TIED JOINT
T.O.C.	- TOP OF CONCRETE
T.O.F.	- TOP OF FRAMING
T.O.L.	- TOP OF LEDGER
T.O.M.	- TOP OF MASONRY
T.O.S.	- TOP OF STEEL
T.O.W.	- TOP OF WALL
T.C.	- TOP OF CURB
TS	- TOP OF SLAB
TRANS.	- TRANSVERSE
TYP.	- TYPICAL
U.N.O.	- UNLESS NOTED OTHERWISE
VERT.	- VERTICAL
W.P.	- WORK POINT
W	- WITH
W/O	- WITHOUT
WS	- WATERSTOP
WAF	- WELDED WIRE FABRIC
#	- SIZE OF DEFORMED REINFORCING BAR
Ø	- CENTER TO CENTER SPACING

SYMBOLS

VIEW IN SECTION

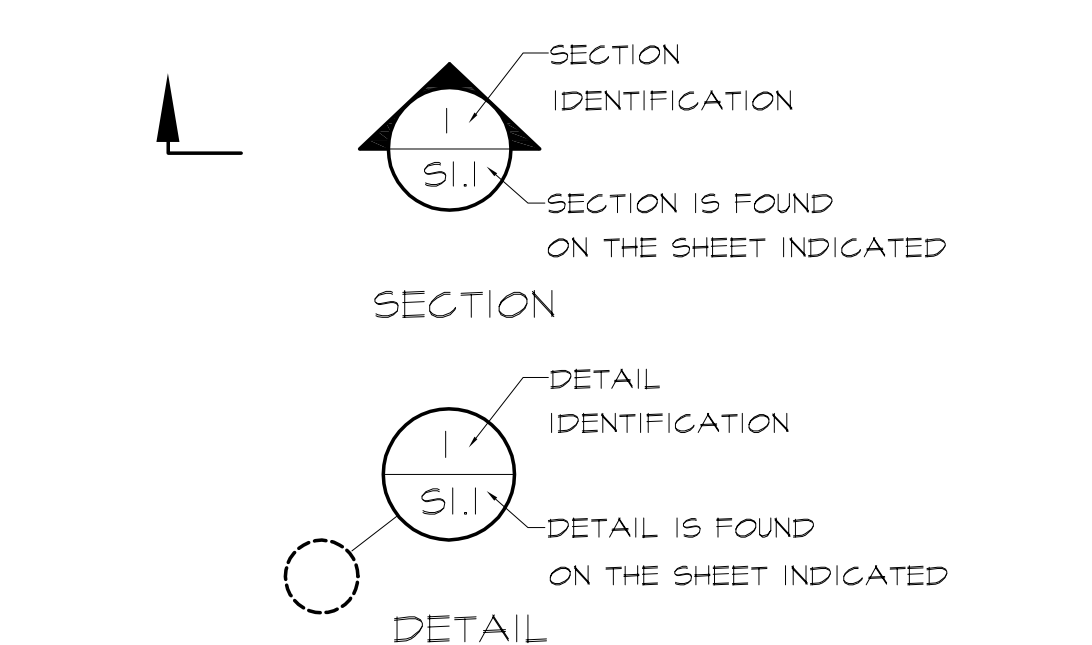
MATERIAL	NEW
CONCRETE	
STRUCTURAL STEEL	
BRICK OR BLOCK	
GROUT	
PLYWOOD SHEATHING	
WOOD STRUCTURAL	
GRAVEL BASE/MATERIAL	
SOIL	
STRUCTURAL FILL	
RIP-RAP	
EPOXY ANCHOR	
EXPANSION ANCHOR	

VIEW IN PLAN

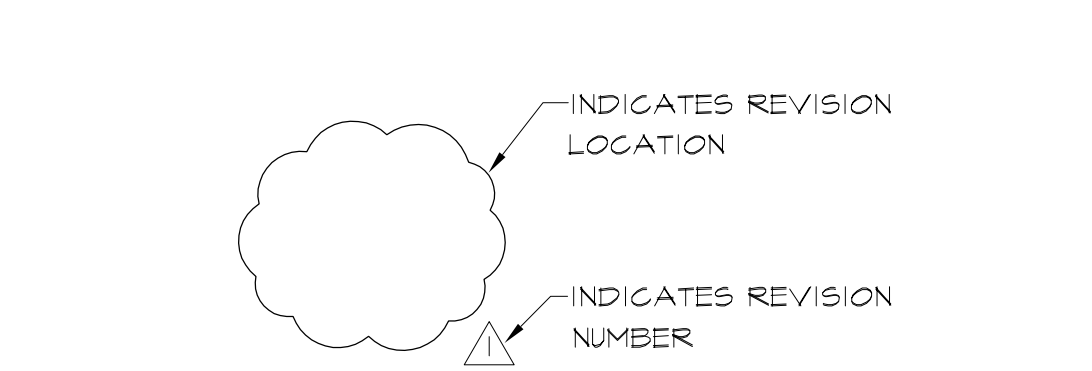
WOOD GRAIN FINISH		TREAD PLATE	
GRATING			

BUILDING MATERIALS LEGEND
NOT TO SCALE

NOTE: EXISTING MATERIALS WILL BE SHOWN SCREENED.



DRAWING CROSS-REFERENCE
NOT TO SCALE



REVISION NOTATIONS
NOT TO SCALE

STRUCTURAL NOTES

- 1. BASIS OF DESIGN**
 - A. CODES: INTERNATIONAL BUILDING CODE, 2012 EDITION ASCE 7-10
 - B. ROOF SNOW LOADS: PG = 25.2 PSF
CE = 1.0
IS = 1.0
CT = 1.2
 - C. WIND: V = 130 MPH (V ULT)
EXPOSURE C
RISK CATEGORY II
SIMPLIFIED ANALYSIS PROCEDURE
- 2. GENERAL**
 - A. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE SPECIFICATIONS, THE 2012 INTERNATIONAL BUILDING CODE AND THE REQUIREMENTS OF THE CITY OF SPARKS.
 - B. NOTES AND DETAILS NOTED AS "TYPICAL" SHALL BE USED WHENEVER APPLICABLE. SPECIFIC DETAILS AND NOTES TAKE PRECEDENCE OVER TYPICAL DETAILS AND NOTES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THESE DETAILS AND TO ENSURE THAT THEY ARE USED WHERE NECESSARY.
 - C. SHOULD CLARIFICATIONS REGARDING THE INTENT OF THE DESIGN BE REQUIRED, THE CONTRACTOR SHALL SUBMIT REQUESTS FOR INFORMATION (RFIS) TO THE ENGINEER. RFIS SHALL INCLUDE A DETAILED WRITTEN STATEMENT THAT INDICATES THE SPECIFIC DRAWINGS OR SPECIFICATIONS IN NEED OF CLARIFICATION AND THE NATURE OF THE CLARIFICATION REQUIRED. THE ENGINEER SHALL RESPOND IN WRITING AND ISSUE CLARIFICATION DRAWINGS AS NECESSARY. RESPONSES TO RFIS ARE NOT DEEMED TO BE APPROVED CHANGE ORDERS.
 - D. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE MEANS, METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING TO MAINTAIN THE INTEGRITY OF ALL ELEMENTS OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. DESIGN OF SHORING, BRACING, SCAFFOLDING, ETC. WHICH ARE REQUIRED TO FACILITATE THE MEANS AND METHODS OF CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - E. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR USING SCALED DIMENSIONS WHICH HAVE NOT BEEN VERIFIED.
 - F. CHANGES OR DEVIATIONS FROM THE APPROVED PLANS WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
- 3. COORDINATION**
 - A. THE CONTRACTOR SHALL REFER TO THE DRAWINGS PREPARED BY OTHER MEMBERS OF THE DESIGN TEAM FOR ADDITIONAL INFORMATION PERTINENT TO THE CONSTRUCTION OF THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THESE DRAWINGS PRIOR TO CONSTRUCTION AND TO PROVIDE COORDINATION AS NECESSARY.
 - B. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FIELD-VERIFY ALL DETAILS AND DIMENSIONS AS SHOWN ON THE DRAWINGS WITH THE ACTUAL CONDITIONS AND SHALL PROMPTLY NOTIFY THE ENGINEER IF DISCREPANCIES ARE ENCOUNTERED.
 - C. PRIOR TO ANY CONSTRUCTION AND THE ORDERING OF MATERIALS, THE CONTRACTOR AND SUB-CONTRACTORS SHALL REVIEW AND VERIFY THE LAYOUTS AS SHOWN ON THE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO VERIFY ALL LAYOUTS AND DIMENSIONS AND TO COORDINATE WITH THE ENGINEER.
- 4. PERMITS**
 - A. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS THAT WILL BE REQUIRED TO ACCOMPLISH THE WORK. THE CITY OF SPARKS WILL OBTAIN AND PAY FOR THE BUILDING PERMIT. THE COST FOR ALL OTHER PERMITS SHALL BE PAID BY THE CONTRACTOR.
- 5. CLEANING**
 - A. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE INTERIOR OF THE AMPHITHEATER OF ALL BIRD-RELATED WASTE AND ALL OTHER DEBRIS WHICH MAY BE PRESENT. THE CLEANING SHALL ADDRESS THE FLOORS, SEATS, WALLS, ROOF FRAMING, LEDGES, EXISTING FLUORESCENT LIGHT TROUGH, ELECTRICAL ROOM, ETC. ALL CLEANING SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL HEALTH STANDARDS.
 - B. DURING THE ENTIRE CONSTRUCTION PROCESS, THE ENTIRE AMPHITHEATER SHALL BE KEPT CLEAN AND SANITARY.
 - C. THE CONTRACTOR SHALL ENSURE THAT BIRDS ARE NOT TRAPPED WITHIN ANY AREAS OF THE AMPHITHEATER THAT WILL BE ENCLOSED OR OTHERWISE INACCESSIBLE. KILLING OF BIRDS TO FACILITATE THEIR REMOVAL IS NOT ALLOWED.
- 6. SUBMITTALS**
 - A. AT LEAST TWO WEEKS PRIOR TO PROCEEDING WITH THE WORK, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE ENGINEER FOR REVIEW:
 - STRUCTURAL STEEL SHOP DRAWINGS
 - AWS CERTIFICATIONS FOR WELDERS
 - STEEL DECKING AND SIDING SHOP DRAWINGS
 - EPOXY MATERIAL DATA SHEETS
 - LOUVER SHOP DRAWINGS
 - METAL FABRICATIONS PRODUCT DATA INCLUDING CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS AND FINISH DESCRIPTIONS
 - COLOR SELECTION DATA FOR ALL MATERIALS
 - TRAFFIC CONTROL PLANS AS APPLICABLE
 - THE ENGINEER IS NOT RESPONSIBLE FOR DELAYS DUE TO SUBMITTALS WHICH ARE NOT PROVIDED TWO WEEKS IN ADVANCE.
 - B. THE SPECIAL INSPECTION AND TESTING FIRM SHALL SUBMIT THE FOLLOWING TO THE CITY OF SPARKS AND TO TOBEY-WADE CONSULTING FOR THEIR RECORDS:
 - SPECIAL INSPECTION REPORTS
 - C. REVIEW OF SUBMITTALS BY THE STRUCTURAL ENGINEER IS PROVIDED TO VERIFY GENERAL COMPLIANCE WITH THE DESIGN INTENT AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR COMPLETING THE WORK IN ACCORDANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS. COMMENTS PLACED ON SUBMITTALS ARE NOT TO BE CONSTRUED AS CHANGE ORDERS.
- 7. ALTERNATIVES (SUBSTITUTIONS)**
 - A. THE ENGINEER WILL CONSIDER ALTERNATIVES FOR STRUCTURAL MATERIALS AND PROCEDURES AS SPECIFIED IN THE CONTRACT DOCUMENTS PROVIDED THE ALTERNATIVE DOES NOT CAUSE AN INCREASE IN COST OR DELAY THE PROJECT IN ANY MANNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEMONSTRATE THAT ALL ALTERNATIVES ARE EQUAL IN STRENGTH, PERFORMANCE, AND DURABILITY TO THE MATERIALS OR PROCEDURES SPECIFIED IN THE CONTRACT DOCUMENTS.
 - B. THE ENGINEER'S WRITTEN APPROVAL SHALL BE REQUIRED PRIOR TO USING ANY ALTERNATIVE. CONSIDERATION OF ANY ALTERNATIVE SUBMITTAL SHALL NOT BE DEEMED TO IMPLY ADVANCE ACCEPTANCE BY THE ENGINEER.
 - C. THE ENGINEER WILL REQUIRE SUFFICIENT TIME TO ADEQUATELY EVALUATE ANY PROPOSED ALTERNATIVE. THE CONTRACTOR SHALL SUBMIT AN ALTERNATIVE SUBMITTAL SUFFICIENTLY IN ADVANCE TO AVOID DELAY TO THE WORK. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY ALTERNATIVE. SUCH REJECTION SHALL NOT BE GROUNDS FOR DELAYS IN WORK OR AN INCREASE IN THE CONTRACT AMOUNT.

D. ALTERNATIVE SUBMITTALS SHALL BE SUBMITTED TO THE ENGINEER AS STAND-ALONE DOCUMENTS INDEPENDENT OF SHOP DRAWINGS, MATERIAL CERTIFICATIONS, AND OTHER SUBMITTAL REQUIREMENTS. AS A MINIMUM, EACH ALTERNATIVE SUBMITTAL SHALL CONFORM TO, BUT NOT BE LIMITED TO, THE FOLLOWING REQUIREMENTS:

- ALTERNATIVE SUBMITTALS SHALL BE EQUIVALENT IN ALL RESPECTS TO THE SPECIFIED ITEM AND SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
- ALTERNATIVE SUBMITTALS SHALL NOT ALTER OR MODIFY THE DESIGN INTENT, FUNCTION, PERFORMANCE, APPEARANCE, OR PROPORTIONS OF THE SPECIFIED ITEM.
- ALTERNATIVE SUBMITTALS SHALL INCLUDE LEGIBLE, COMPLETE, AND PROPERLY COORDINATED TECHNICAL DATA, SUCH AS ICC EVALUATION REPORTS, AS WELL AS OTHER RELEVANT INFORMATION REQUIRED BY THE ENGINEER TO ADEQUATELY EVALUATE THE ALTERNATIVE. THE CONTRACTOR SHALL PROMPTLY SUBMIT ADDITIONAL DATA AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
- THE ENGINEER'S ACCEPTANCE OF AN ALTERNATIVE SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR COMPLIANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL COORDINATE AND OTHERWISE BE RESPONSIBLE FOR ANY CHANGES IN THE WORK OF SUB-CONTRACTORS AND ALL OTHER AFFECTED PARTIES, WHICH MAY BE CAUSED BY THE ACCEPTANCE OF AN ALTERNATIVE.

8. EPOXY ANCHORS

- EPOXY ANCHORS SHALL UTILIZE SET-XP ADHESIVE ANCHOR SYSTEM (IAPMO UES ER-265) AS MANUFACTURED BY SIMPSON STRONG-TIE. THE EPOXY SYSTEM SHALL NOT BE CHANGED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- EPOXY ANCHOR INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE WRITTEN REQUIREMENTS OF THE MANUFACTURER.
- THE FOLLOWING ITEMS ARE OF PARTICULAR IMPORTANCE:
 - HOLE PREPARATION INCLUDING DRILL BIT DIAMETER
 - CARTRIDGE PREPARATION
 - FILLING OF THE HOLE
 - TIGHTENING
- ADJUST THE LOCATION OF EPOXY ANCHORS AS NECESSARY TO AVOID EXISTING REINFORCING STEEL. CUTTING OF REINFORCING STEEL IS NOT PERMITTED.
- EPOXY ANCHORS SHALL HAVE MINIMUM EMBEDMENTS AS INDICATED.

9. STRUCTURAL STEEL

- ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AS ADOPTED BY THE AMERICAN INSTITUTE FOR STEEL CONSTRUCTION.
- STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36 OR A572.
- STRUCTURAL PIPE SECTIONS SHALL CONFORM TO ASTM A53, GRADE B.
- BOLTS SHALL CONFORM TO ASTM A307, GRADE A AND SHALL BE SIZED AS INDICATED. NUTS AND WASHERS SHALL CONFORM TO ASTM A563A HEX AND ASTM F844, RESPECTIVELY.
- UNLESS OTHERWISE NOTED, HOLES FOR BOLTS SHALL BE 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT AND SHALL BE PUNCHED AND/OR DRILLED. GAS CUT HOLES WILL NOT BE ALLOWED.
- WELDING MATERIALS AND PROCEDURES SHALL BE IN CONFORMANCE WITH THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE AWS D1.1. WELDING ELECTRODES SHALL BE E70XX, UNLESS ALLOWED OTHERWISE BY AWS. MINIMUM WELD SIZE SHALL BE IN ACCORDANCE WITH TABLE J2.4 OF THE MANUAL OF STEEL CONSTRUCTION, 13TH EDITION.

10. COLD-FORMED STRUCTURAL STEEL FRAMING

- ALL COLD-FORMED STEEL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE AND ESR 3016.
- STEEL FOR 18 AND 20 GAGE STUDS, AND FOR ALL GAGES OF TRACK, ACCESSORIES AND BRIDGING SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI. STEEL SHALL BE GALVANIZED AT LOCATIONS EXPOSED TO WEATHER.
- ALL STUDS SHALL BE SECURELY SEATED FOR FULL END BEARING ON THE TOP AND BOTTOM TRACKS. UNLESS NOTED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTIONS AND BEAM BEARINGS.
- BRIDGING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION WITH THE FOLLOWING MINIMUM REQUIREMENTS:
 - FOR WALLS WITH NO AXIAL LOAD, PROVIDE BRIDGING AT MID-HEIGHT WHEN WALLS ARE LESS THAN OR EQUAL TO 8'-0" HIGH.
- STUDS SHALL BE C-SHAPED MEMBERS SIZED AND SPACED AS INDICATED.
- ALL WELDING SHALL BE PERFORMED BY WELDERS EXPERIENCED IN LIGHT GAGE STRUCTURAL STEEL FRAMING WORK.
- DO NOT NOTCH FLANGES OF STUDS.

TABLE J2.4
MINIMUM SIZE OF FILLET WELDS

THICKNESS OF THICKER PART JOINED (IN.)	MIN. SIZE OF FILLET WELD (IN.)
1/4 AND LESS	1/8
1/4 TO 1/2	3/16
OVER 1/2 TO 3/4	1/4
OVER 3/4	5/16

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GENERAL NOTES AND ABBREVIATIONS
VICTORIAN AMPHITHEATER PROJECT
PREPARED FOR
CITY OF SPARKS
WASHOE COUNTY
SPARKS
NEVADA

PROFESSIONAL ENGINEER'S SEAL
JAMIE ANN ROYBAL
12-10-2013
CIVIL
No. 14865
EXPIRES DECEMBER 31, 2013



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DATE	DECEMBER 10, 2013
PLAN SET REVISION	0

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11. STEEL DECK

- A. STEEL ROOF AND CEILING DECK SHALL BE AS NOTED ON THE DRAWINGS AND AS MANUFACTURED BY VERCO OR APPROVED EQUAL.
- B. SHOP DRAWINGS FOR ALL STEEL DECK SHALL BE SUBMITTED FOR REVIEW.
- C. THE DECK GAUGE AND ATTACHMENT METHOD HAS BEEN DESIGNED TO MEET SPECIFIC DIAPHRAGM SHEAR CAPACITIES. OTHER FASTENER TYPES AND PATTERNS MAY BE ACCEPTABLE IF THEY ARE SHOWN TO BE EQUAL TO THE SPECIFIED DECK ATTACHMENT SYSTEM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEMONSTRATE EQUIVALENCE IN ACCORDANCE WITH ICC REQUIREMENTS.
- D. ALL EXPOSED DECKING SHALL BE POWDER COATED AS NOTED ON THE DRAWINGS. COLOR SHALL BE SELECTED BY THE CITY OF SPARKS. TOUCH-UP DAMAGED FINISHES AS REQUIRED BY THE CITY OF SPARKS.

12. SHEET METAL FABRICATIONS

- A. PROVIDE SHEET METAL FABRICATIONS AS NOTED IN THE DRAWINGS AND AS REQUIRED TO PROVIDE A WATERTIGHT INSTALLATION.
- B. SHEET METAL FLASHING AND WALL ASSEMBLIES SHALL WITHSTAND WIND LOADS, THERMAL MOVEMENTS, AND EXPOSURE TO WEATHER WITHOUT FAILURE. COMPLETED SHEET METAL FABRICATIONS SHALL NOT RATTLE, LEAK, OR LOOSEN, AND SHALL REMAIN WATERTIGHT.
- C. FABRICATE AND INSTALL ROOF FLASHINGS CAPABLE OF RESISTING THE FOLLOWING FORCES ACCORDING TO THE RECOMMENDATIONS IN FMG LOSS PREVENTION DATA SHEET 1-49:
 - WIND ZONE 2: FOR VELOCITY PRESSURES OF 31 TO 45 LB/FSQ. FT.: 90-LBF/SQ. FT. PERIMETER UPLIFT FORCE, 120-LBF/SQ. FT. CORNER UPLIFT FORCE AND 45-LBF/SQ. FT. OUTWARD FORCE.
- D. INSTALL SHEET METAL FLASHINGS TO COMPLY WITH THE PERFORMANCE REQUIREMENTS OF THE SHEET METAL MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL." PROVIDE CONCEALED FASTENERS WHERE POSSIBLE, SET UNITS TRUE TO LINE, AND LEVEL AS INDICATED. INSTALL WORK WITH LAPS, JOINTS, AND SEAMS THAT WILL BE PERMANENTLY WATERTIGHT AND WEATHER RESISTANT. SEAL JOINTS AS SHOWN AND AS REQUIRED FOR WATERTIGHT CONSTRUCTION
- E. ALL EXPOSED SHEET METAL FABRICATIONS SHALL BE POWDER COATED AS NOTED ON THE DRAWINGS. COLOR SHALL BE SELECTED BY THE CITY OF SPARKS. TOUCH-UP DAMAGED FINISHES AS REQUIRED BY THE CITY OF SPARKS.
- F. Retain wind zone from four subparagraphs below to suit Project. Wind zones are areas of a roof as they relate to roof slope and design wind speed. See FMG Loss Prevention Data Sheet 1-28, Table 4. Wind Zone 1 is subdivided into two ranges. FMG Loss Prevention Data Sheet 1-49 tabulates a range of metal types and thicknesses that meet Wind Zones 1 and 2 and prescribes minimum anchoring of wood nailers, continuous cleats (hook strips), roof edge flashing, copings, and counterflashing. Wind Zone 3 requires assemblies of special design.

13. LOUVERS

- A. PROVIDE LOUVERS THAT MATCH THE SIZE AND FUNCTION OF THE LOUVERS AS SHOWN ON THE DRAWINGS. PROVIDE A CERTIFICATION FROM THE MANUFACTURER CERTIFYING THAT THE LOUVER SYSTEM IS DESIGNED FOR NOT LESS THAN 30 PSF WIND LOADING.
- B. HEADS, SILLS, AND JAMBS TO BE ONE PIECE ALUMINUM STRUCTURAL MEMBERS DESIGNED BY LOUVER MANUFACTURER TO CARRY A WIND LOAD OF NOT LESS THE 30 POUNDS PER SQUARE FOOT.
- C. BLADES SHALL BE ALUMINUM DRAINABLE TYPE.
- D. PROVIDE A 3/4-INCH BIRDSCREEN OF EXPANDED ALUMINUM.
- E. INSTALL THE LOUVERS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL FASTENERS SHALL BE STAINLESS STEEL.
- F. LOUVERS SHALL GIVEN A FACTORY-APPLIED KYNAR FINISH. PROVIDE A COLOR CHART FOR COLOR SELECTION BY THE OWNER. TOUCH-UP DAMAGED FINISHES USING THE MANUFACTURER'S RECOMMENDED MATERIALS AND INSTRUCTIONS.

14. ACCESS HATCHES

- A. PROVIDE STEEL ACCESS HATCHES TO MEET THE SIZES SHOWN IN THE DRAWINGS. HATCHES SHALL BE NON-RATED FLUSH-MOUNTED HATCHES WITH STEEL FRAMES. PROVIDE MANUFACTURER'S DATA SHEETS FOR REVIEW BY THE CITY OF SPARKS.
- B. ATTACH THE ACCESS HATCHES TO THE SUPPORTING STRUCTURE IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
- C. ALL HATCHES SHALL BE EQUIPPED WITH A LOCKING MECHANISM KEYED TO MEET THE CITY OF SPARKS REQUIREMENTS.
- D. ALL HATCHES SHALL BE POWDER COATED. COLOR SHALL BE SELECTED BY THE CITY OF SPARKS. TOUCH-UP DAMAGED FINISHES AS REQUIRED BY THE CITY OF SPARKS.

15. CAULKING AND SEALANTS

- A. PROVIDE CAULKING AND SEALANTS AS REQUIRED TO PROVIDE A WATERTIGHT INSTALLATION.
- B. SILICONE SEALANT SHALL BE A ONE PART SEALANT MEETING THE REQUIREMENTS OF FEDERAL SPECIFICATION TT_S_01543A, CLASS A SILICONE BUILDING SEALANT, PAINTABLE
- C. CAULK AND SEAL ALL OPEN JOINTS, BOTH INTERIOR AND EXTERIOR; AT THE JUNCTIONS OF SHEET METAL FABRICATIONS AND THE ADJACENT WALL OR ROOF AND AT OTHER LOCATIONS AS REQUIRED FOR A WATERTIGHT INSTALLATION. .
- D. COLOR FOR EACH LOCATION SHALL BE SELECTED BY THE CITY OF SPARKS.

16. PAINTING

- A. PAINT WOOD TRIM AND PLYWOOD WITH LATEX ACRYLIC PAINT SUITABLE FOR EXTERIOR LOCATIONS. THE COLOR FOR EACH LOCATION SHALL BE SELECTED BY THE CITY OF SPARKS.
- B. REMOVE ALL DUST, DIRT, OIL, GREASE OR ANY FOREIGN MATTER THAT WILL AFFECT THE ADHESION OR DURABILITY OF THE PAINT.
- C. ALL PAINTING SYSTEMS INCLUDE SURFACE PREPARATION, PRIME COATING AND FINISH COATINGS.

17. STRUCTURAL SYSTEM SPECIAL INSPECTION REQUIREMENTS

- A. THE FOLLOWING INSPECTIONS ARE REQUIRED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE, CHAPTER 17. THESE INSPECTIONS ARE IN ADDITION TO ANY OTHER INSPECTIONS PERFORMED ON THE PROJECT.
- B. INDIVIDUALS PERFORMING THESE INSPECTIONS SHALL BE QUALIFIED AND APPROVED BY THE CITY OF SPARKS PRIOR TO PERFORMING ANY INSPECTIONS.
- C. SPECIAL INSPECTIONS:
 - 1. WELDING: IN ACCORDANCE WITH IBC SECTION 1705.2 AND AISC 360.
 - 2. EPOXY-TYPE ADHESIVE CONNECTIONS
 - EPOXY ANCHOR INSTALLATION IS SUBJECT TO PERIODIC INSPECTION, THE SPECIAL INSPECTOR MUST BE ON-SITE INITIALLY DURING THE ANCHOR INSTALLATION TO VERIFY:
 - ANCHOR TYPE
 - ANCHOR DIAMETER AND LENGTH
 - HOLE LOCATION, DIAMETER AND DEPTH
 - HOLE CLEANING PROCEDURE
 - ANCHOR SPACINGS AND EDGE DISTANCES
 - ANCHOR EMBEDMENT
 - TIGHTENING TORQUE
 - ADHESIVE TYPE AND EXPIRATION DATE
 - ADHESIVE INSTALLATION METHOD IS IN ACCORDANCE WITH SIMPSON'S WRITTEN INSTRUCTIONS
 - THE SPECIAL INSPECTOR MUST VERIFY THE INITIAL INSTALLATIONS OF EACH TYPE AND SIZE OF ANCHOR. SUBSEQUENT INSTALLATIONS OF THE SAME ANCHOR TYPE AND SIZE BY THE SAME PERSONNEL IS PERMITTED TO BE PERFORMED IN THE ABSENCE OF THE SPECIAL INSPECTOR. ANY CHANGE IN THE ANCHOR SIZE OR THE PERSONNEL PERFORMING THE INSTALLATION REQUIRES AN INITIAL INSPECTION.
 - FOR ONGOING INSTALLATIONS OVER AN EXTENDED PERIOD OF TIME, THE SPECIAL INSPECTOR MUST MAKE REGULAR INSPECTIONS TO CONFIRM CORRECT HANDLING AND INSTALLATION OF THE PRODUCT.
- D. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL APPLICABLE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ICC REPORTS FOR PROPRIETARY MATERIALS AT THE JOBSITE. THIS INFORMATION SHALL BE MADE AVAILABLE TO THE SPECIAL INSPECTOR UPON REQUEST.
- E. UPON COMPLETION OF CONSTRUCTION, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT TO THE CITY OF SPARKS AND TO TOBEY-WADE CONSULTING. THE REPORT SHALL INDICATE THE EXTENT TO WHICH THE INSPECTED WORK WAS COMPLETED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. NON-COMPLIANT WORK SHALL HAVE BEEN CORRECTED PRIOR TO COMPLETION OF CONSTRUCTION.
- F. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES REQUIRING INSPECTION WITH THE SPECIAL INSPECTOR.
- G. THE CONTRACTOR SHALL PROVIDE A STATEMENT OF RESPONSIBILITY AS DESCRIBED IN IBC SECTION 1706.

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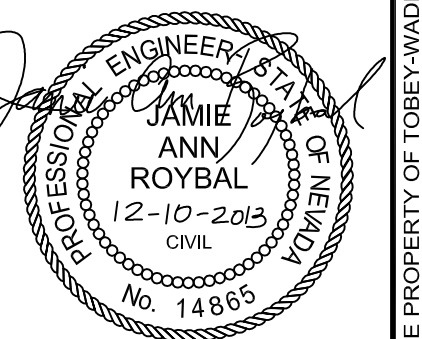
GENERAL NOTES AND ABBREVIATIONS
VICTORIAN AMPHITHEATER PROJECT
PREPARED FOR
CITY OF SPARKS

NEVADA

WASHOE COUNTY

SPARKS

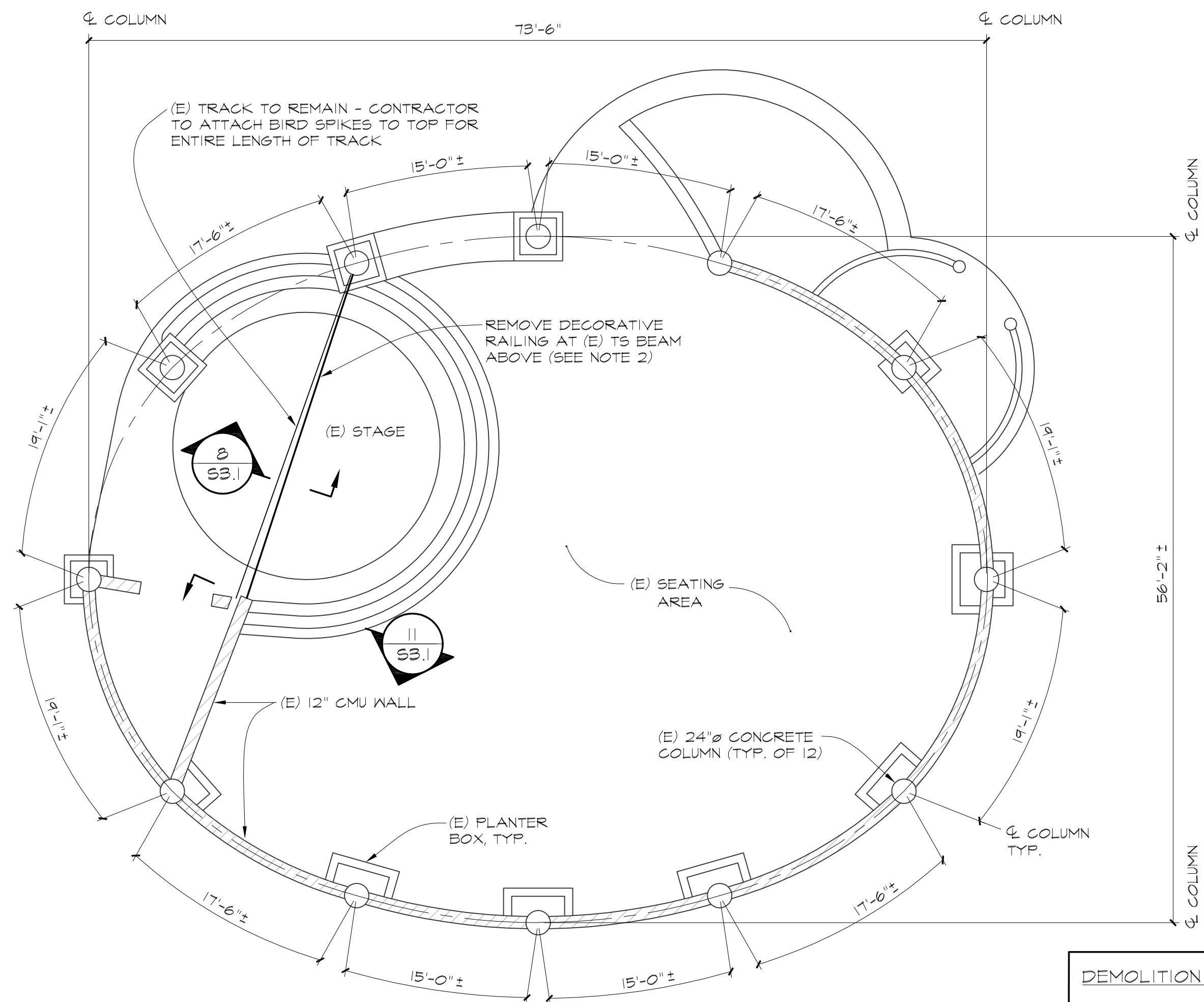
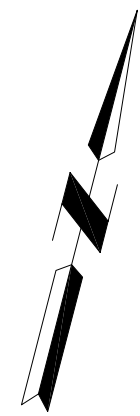
SHEET REVISIONS		
NO.	DESCRIPTION/DATE	BY



ISSUED FOR BIDDING

JAMIE ANN ROYBAL	EXPIRES DECEMBER 31, 2013
JOB NO. R125-13-13	DESIGNED J.A.R.
DRAWN S.R.M.	CHECKED T.R.T.
DATE DECEMBER 10, 2013	PLAN SET REVISION 0

S0.1.1



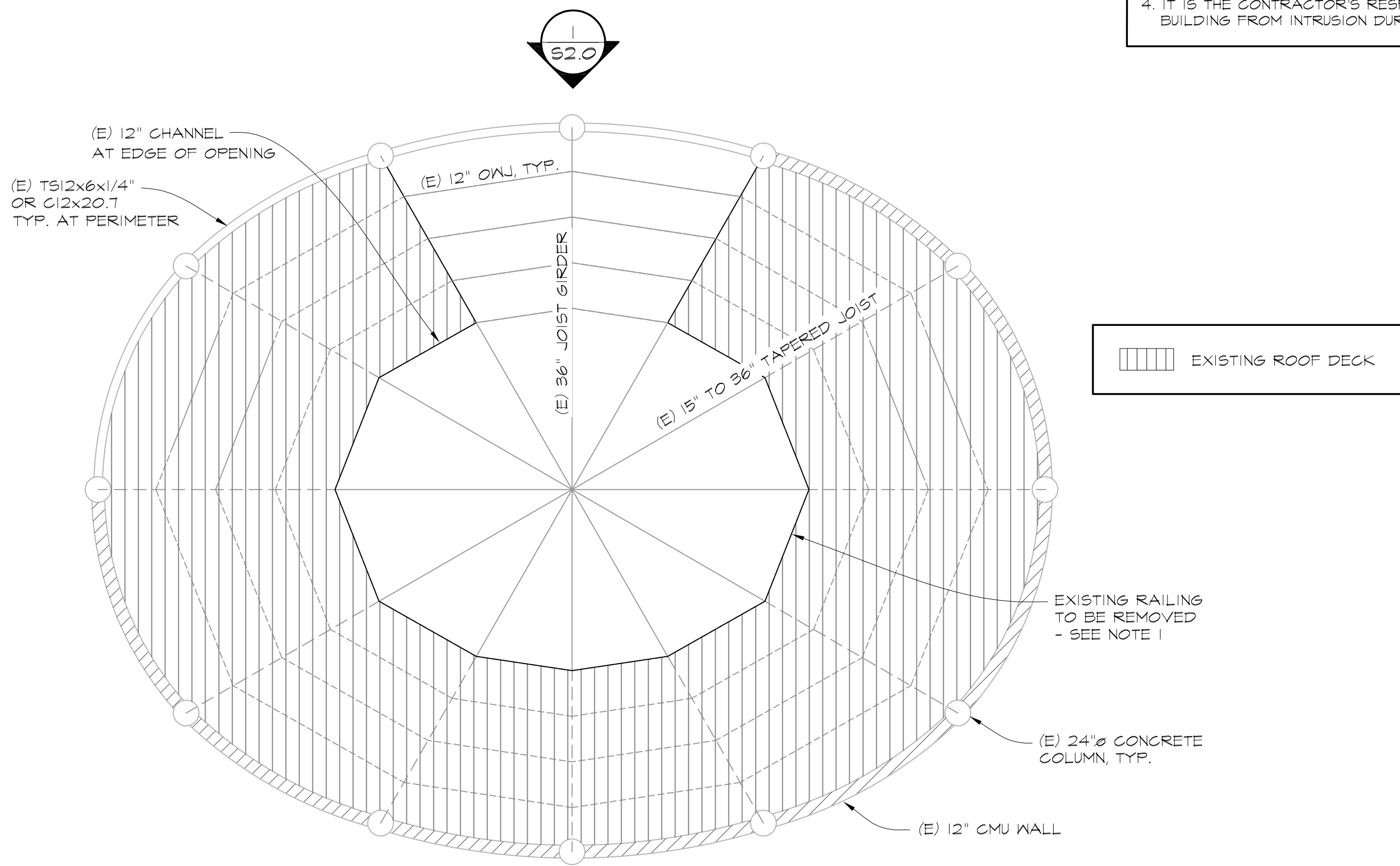
EXISTING MAIN FLOOR PLAN

SCALE: 1/8"=1'-0"

- NOTES: 1. FOR BIRD RELATED DEBRIS CLEAN-UP, SEE THE STRUCTURAL NOTES ON SHEET S0.1.
 2. CONTRACTOR SHALL GRIND SMOOTH (E) TS BEAM AS REQUIRED FOR PLACEMENT OF (N) METAL STUD WALL.

DEMOLITION NOTES:

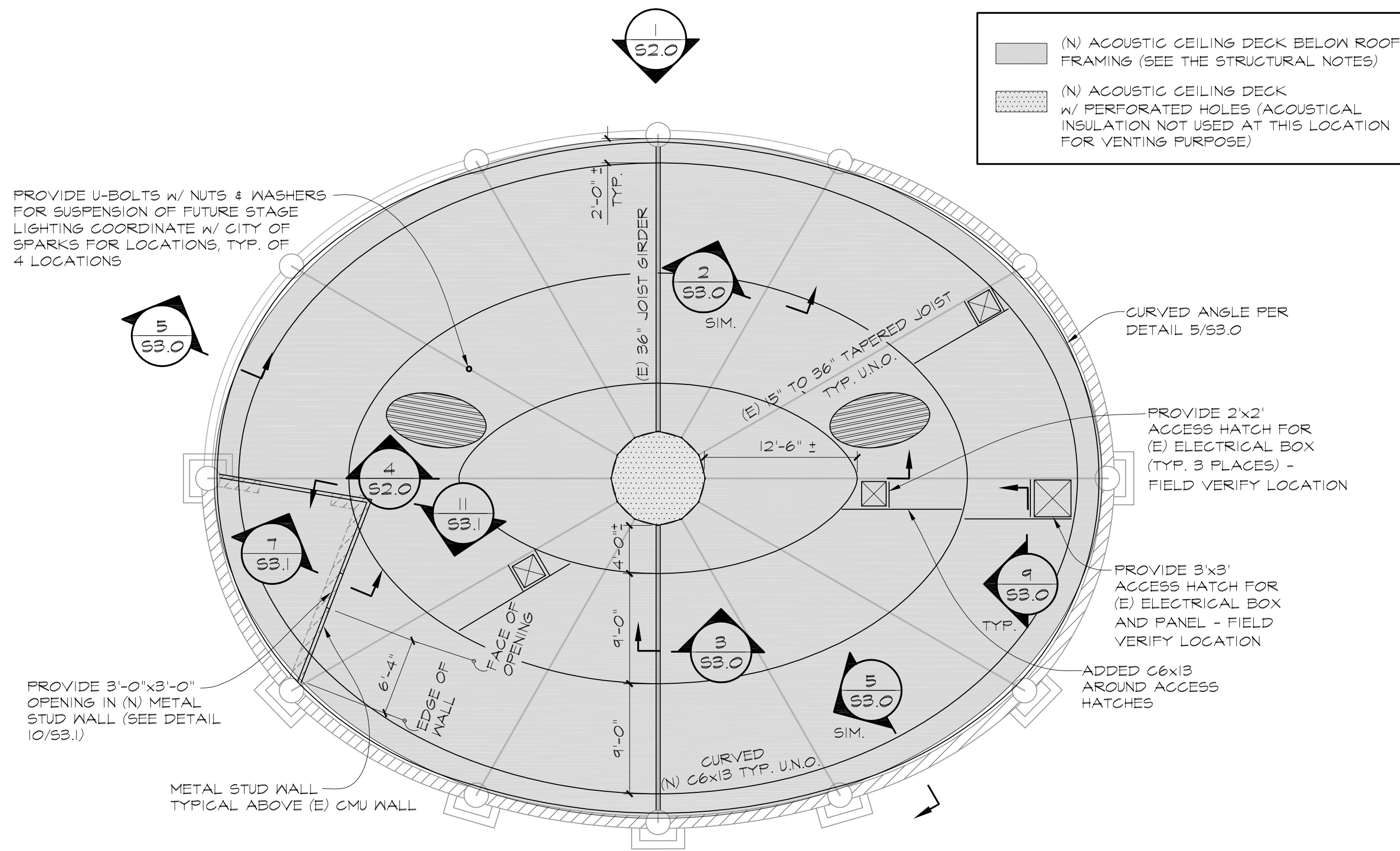
1. REMOVE BUILDING ELEMENTS AS INDICATED ON THE PLANS, AS REQUIRED TO FACILITATE INSTALLATION OF NEW CONSTRUCTION OR AS OTHERWISE DIRECTED BY THE CITY OF SPARKS. ALL DEBRIS SHALL BE DISPOSED OFF-SITE IN A LEGAL MANNER.
2. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH GOVERNING JURISDICTION REQUIREMENTS. STORE ALL FIXTURES, EQUIPMENTS, FURNISHINGS, ETC. DESIGNATED BY THE OWNER TO BE SALVAGED.
3. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK AS TO PROTECT BUILDING ELEMENTS AND UTILITIES WHICH ARE TO REMAIN. PROVIDE TEMPORARY SHORING AS REQUIRED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE BUILDING FROM INTRUSION DURING NON-WORK HOURS.



EXISTING ROOF PLAN

SCALE: 1/8"=1'-0"

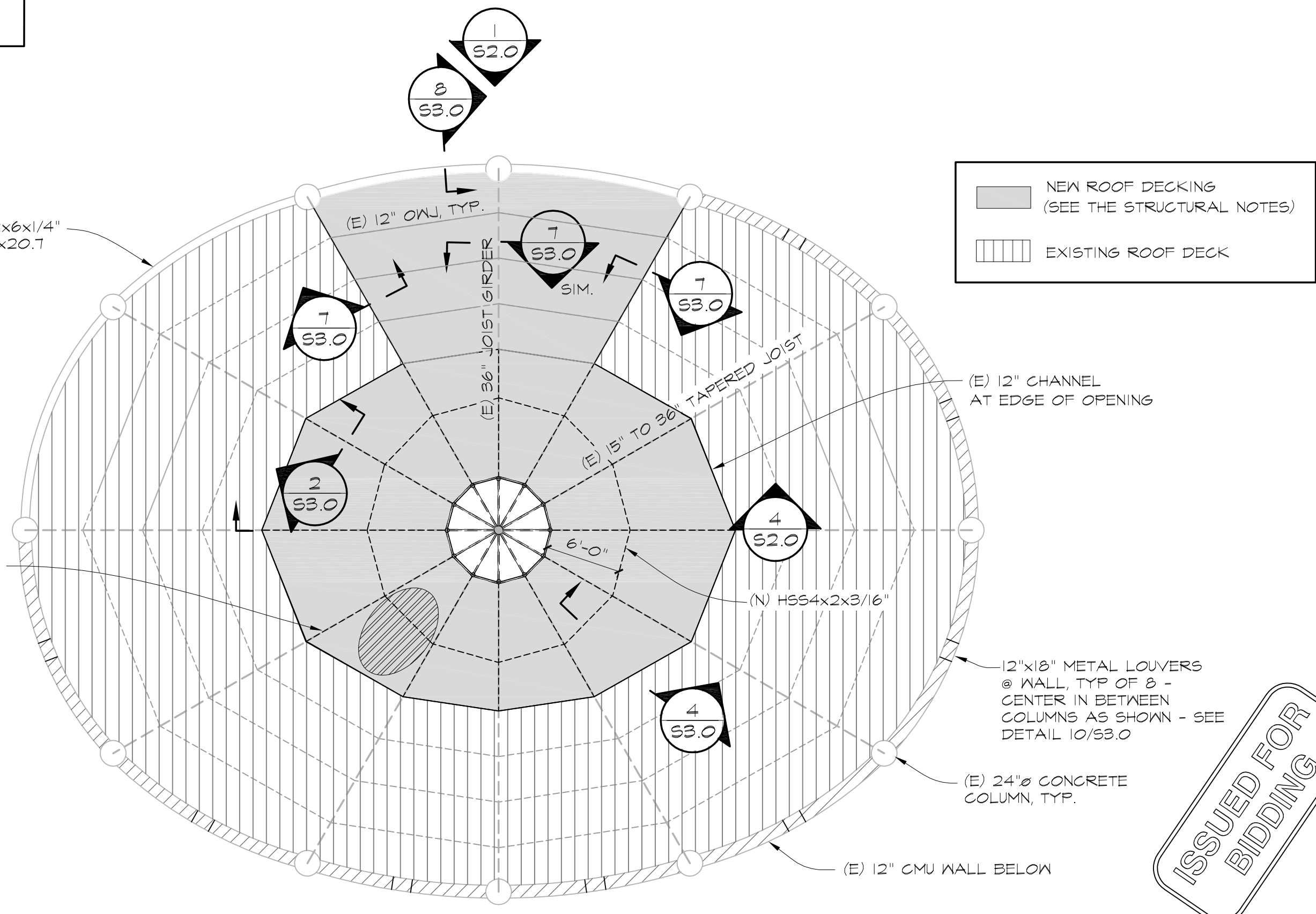
- NOTES: 1. CONTRACTOR SHALL GRIND SMOOTH (E) CHANNEL AS REQUIRED FOR PLACEMENT OF (N) METAL ROOF DECK.



NEW CEILING PLAN

SCALE: 1/8"=1'-0"

- NOTES: 1. LINE UP CEILING DECK FLUTES IN SAME ORIENTATION AS (E) ROOF FLUTES.



NEW ROOF PLAN

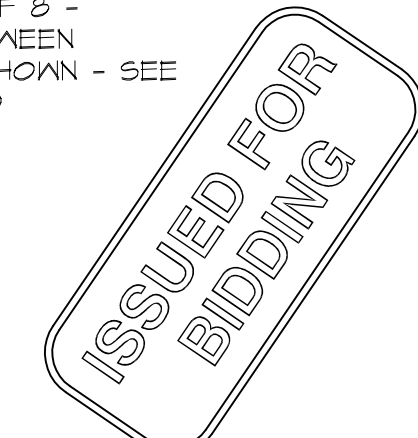
SCALE: 1/8"=1'-0"

- NOTES: 1. NEW ROOF DECK FLUTES TO ALIGN WITH THE (E) ROOF DECK FLUTES.

(N) ACOUSTIC CEILING DECK BELOW ROOF FRAMING (SEE THE STRUCTURAL NOTES)
 (N) ACOUSTIC CEILING DECK W/ PERFORATED HOLES (ACOUSTICAL INSULATION NOT USED AT THIS LOCATION FOR VENTING PURPOSE)

NEW ROOF DECKING (SEE THE STRUCTURAL NOTES)
 EXISTING ROOF DECK

EXISTING ROOF DECK



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MAIN FLOOR/ROOF AND CEILING FRAMING PLANS
VICTORIAN AMPHITHEATER PROJECT
 PREPARED FOR
 CITY OF SPARKS
 WASHOE COUNTY
 NEVADA

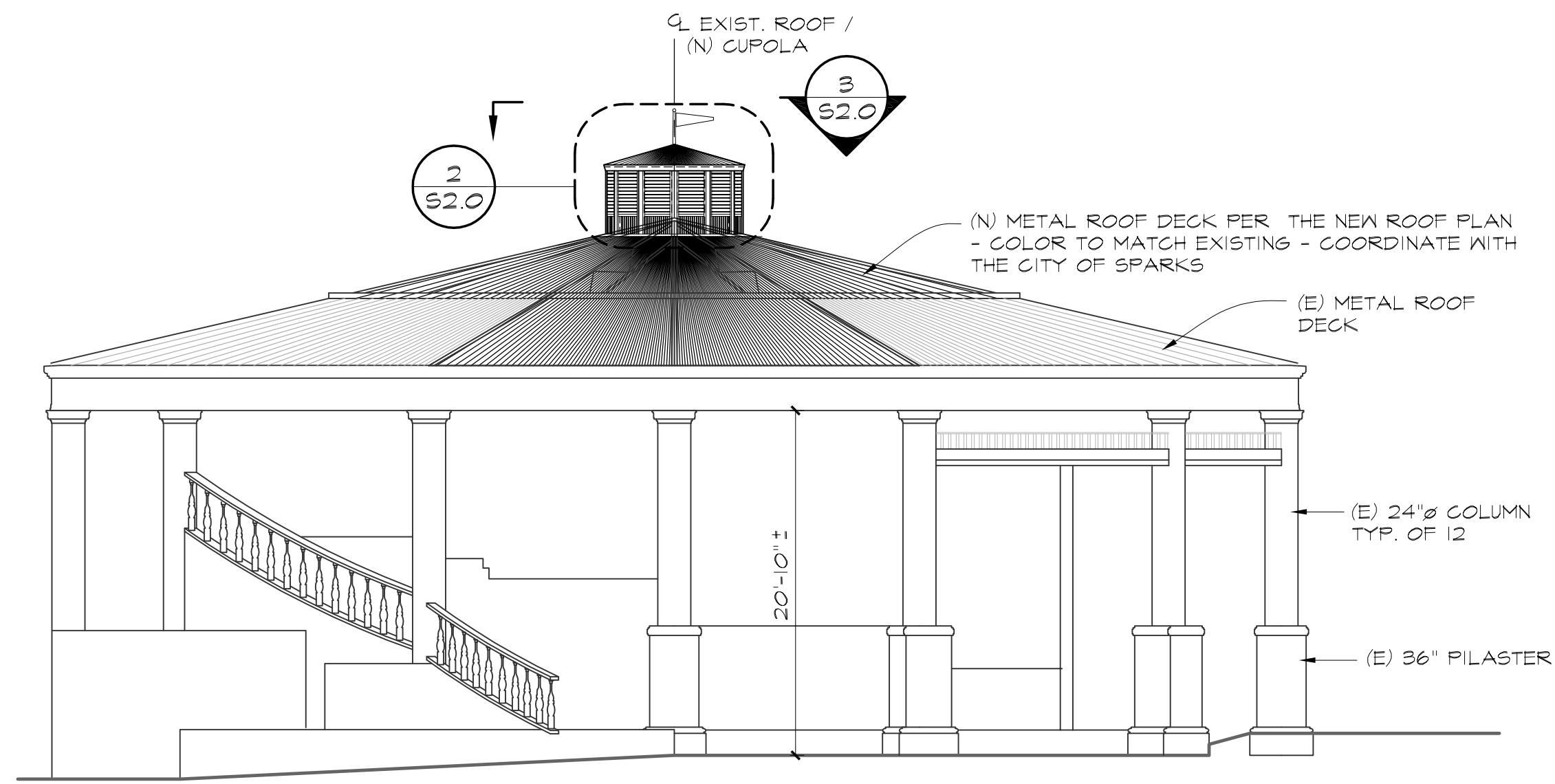
SHEET REVISIONS		
NO.	DESCRIPTION/DATE	BY

PROFESSIONAL ENGINEER	STATE OF NEVADA
JAMIE ANN ROYBAL	2-10-2013
2-10-2013	14865
EXPIRES DECEMBER 31, 2013	
JAMIE ANN ROYBAL	
JOB NO. R125-13-13	
DESIGNED J.A.R.	
DRAWN S.R.M.	
CHECKED T.R.T.	
DATE DECEMBER 10, 2013	
PLAN SET REVISION 0	

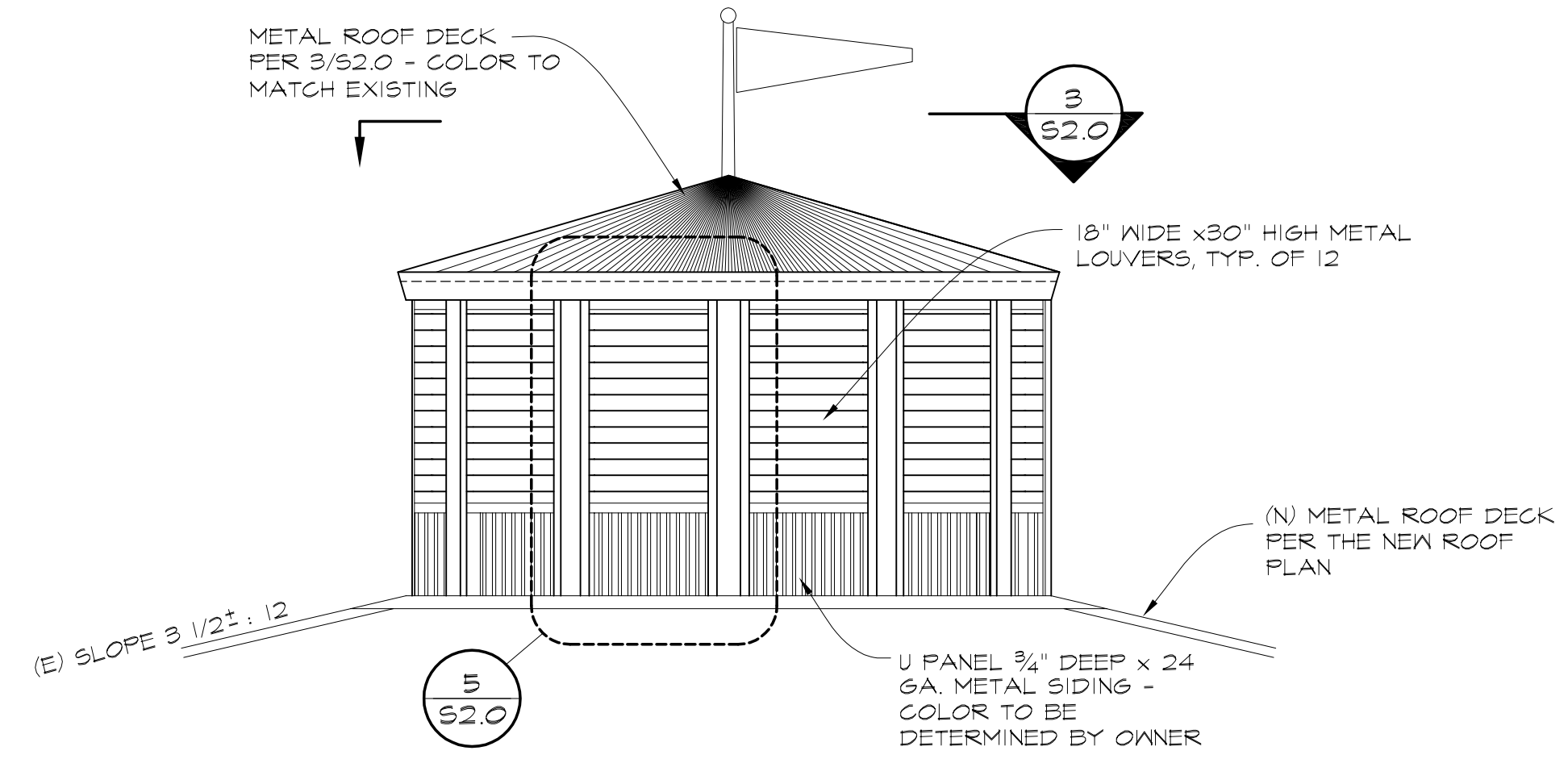
S1.0
 4 OF 11 SHEETS

Doc No. 2013-2033am
 Prepared for City of Sparks - Victorian Amphitheater Current Drawings - 2/10/2013 11:52 AM

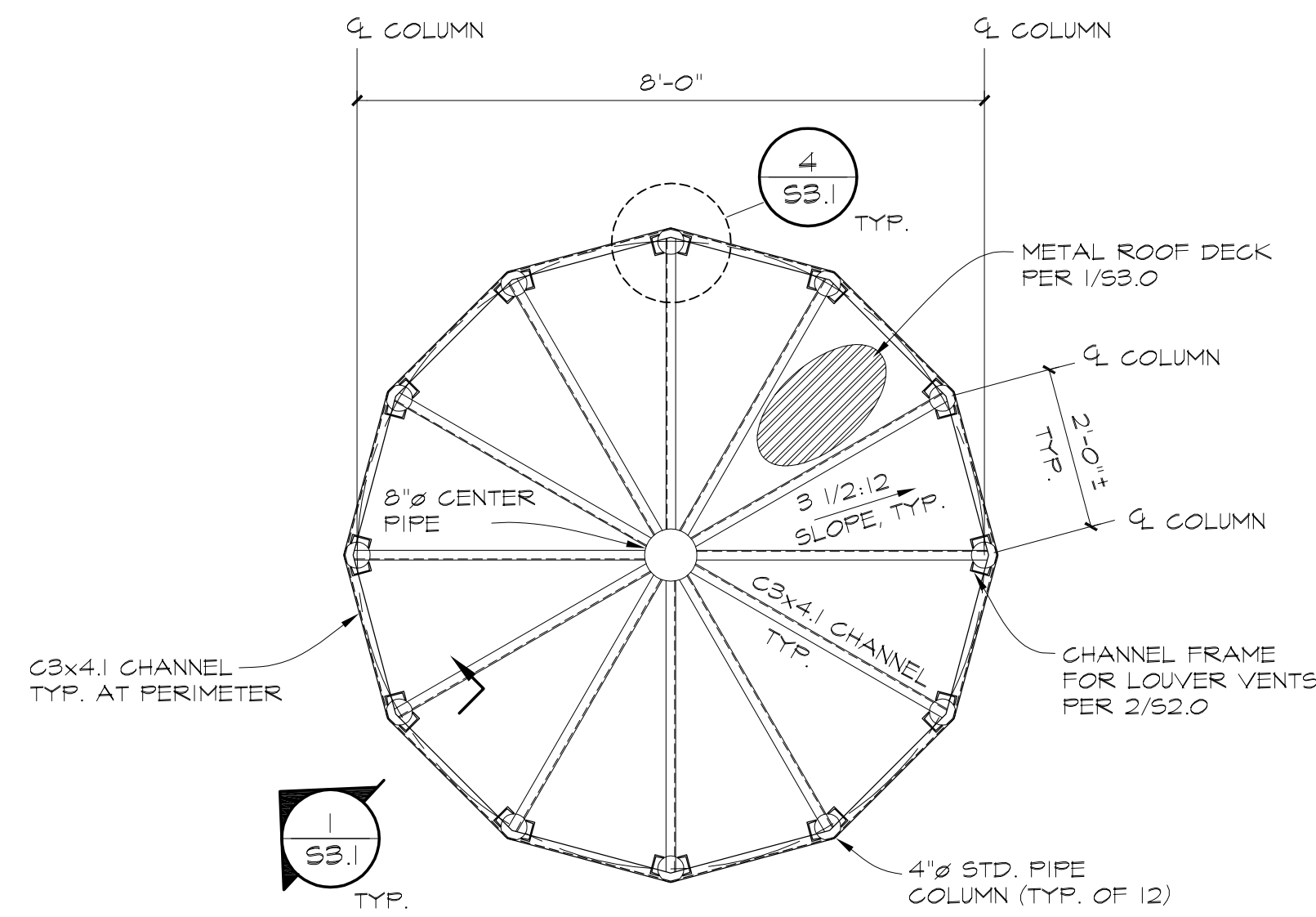
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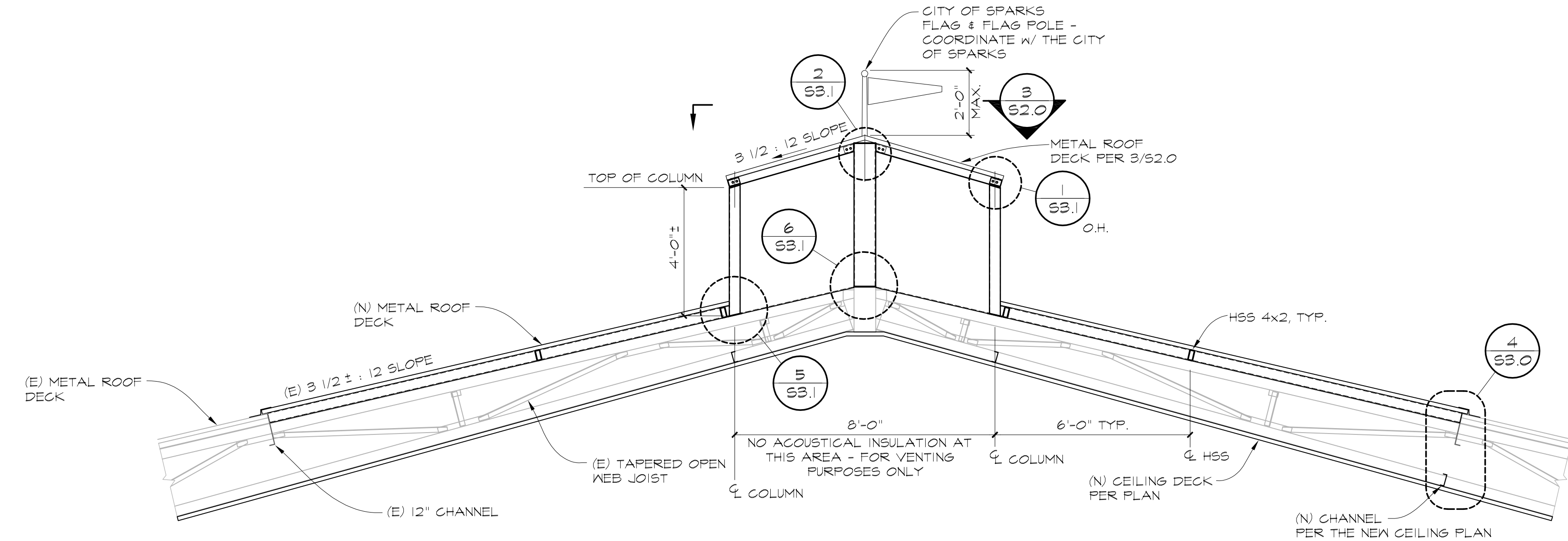
1 NEW ROOF ELEVATION
SCALE: 1/8"=1'-0"



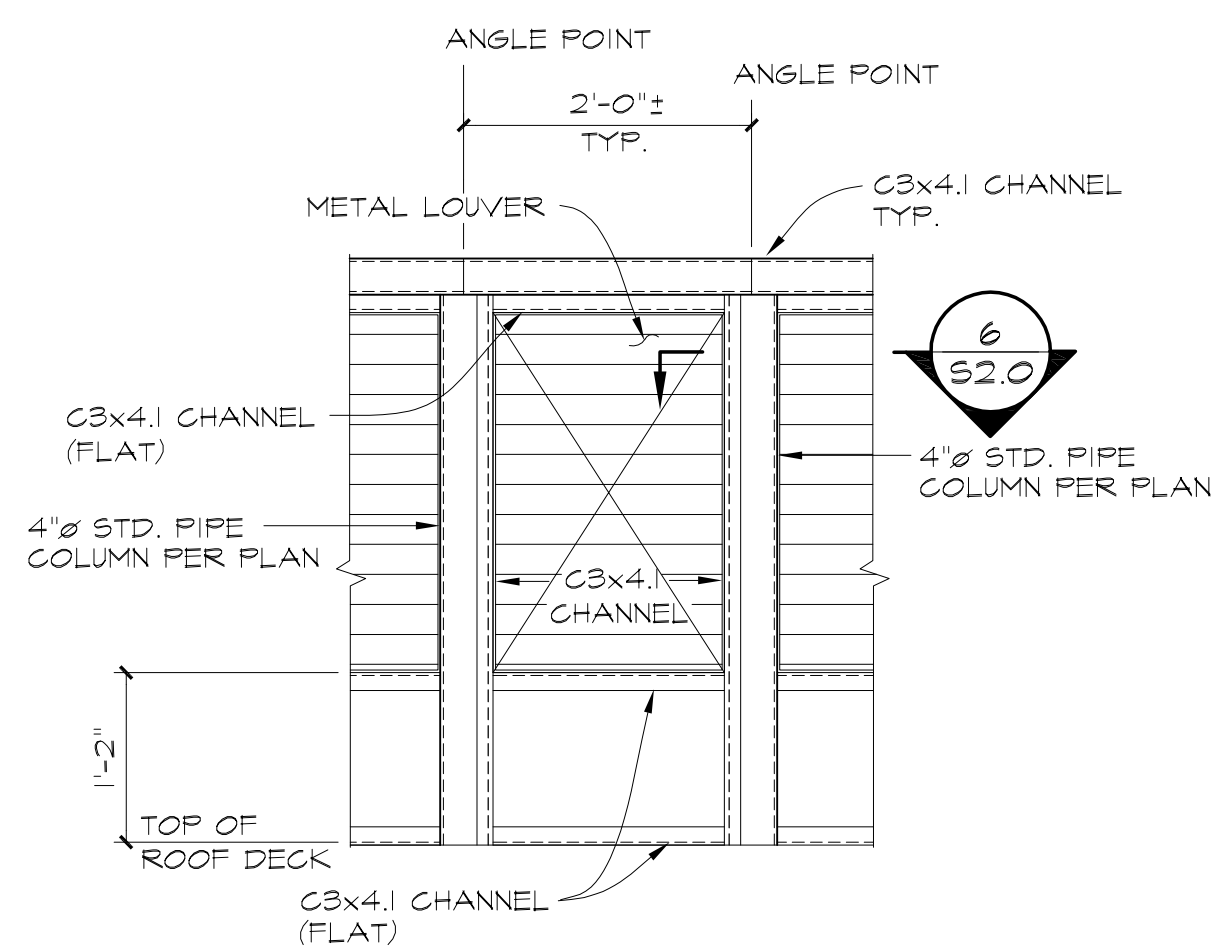
2 CUPOLA ELEVATION
SCALE: 1/2"=1'-0"



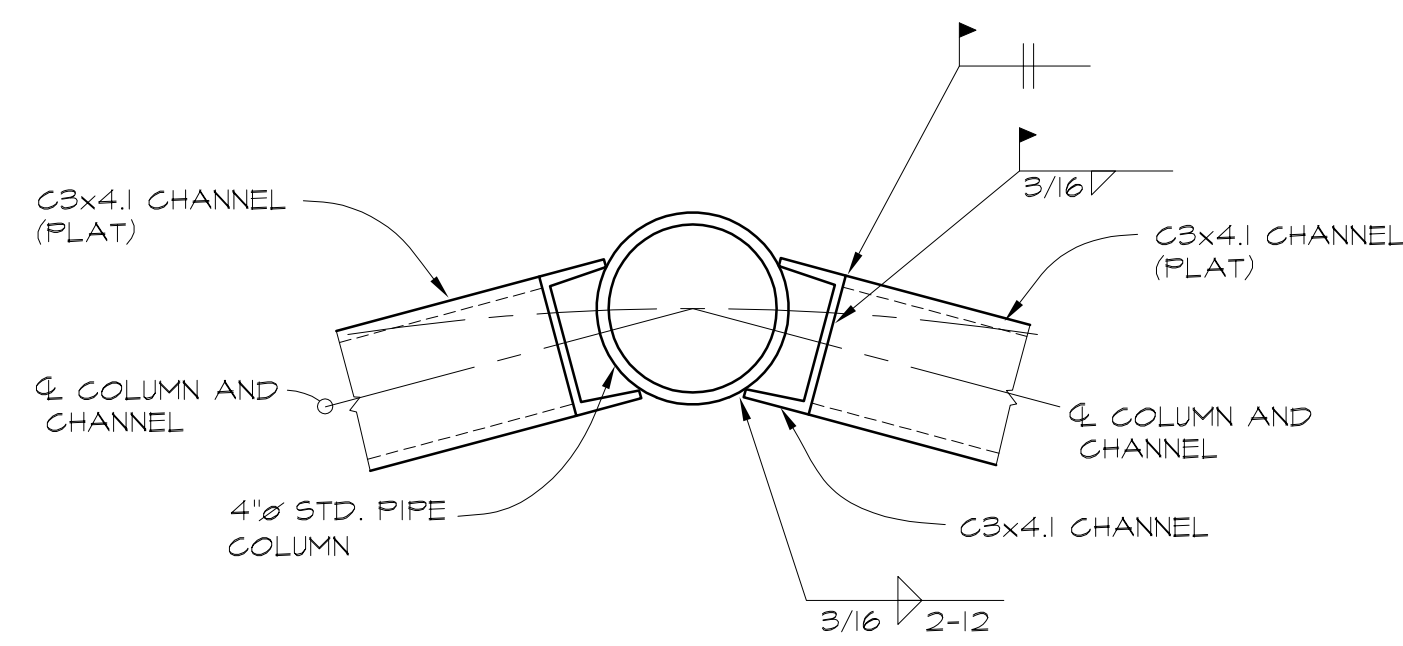
3 CUPOLA ROOF PLAN
SCALE: 1/2"=1'-0"



4 PARTIAL ROOF SECTION
SCALE: 3/8"=1'-0"



5 LOUVER SUPPORT DETAIL
SCALE: 3/4"=1'-0"



6 CHANNEL TO PIPE CONNECTION
SCALE: 3/4"=1'-0"

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CONSULTING
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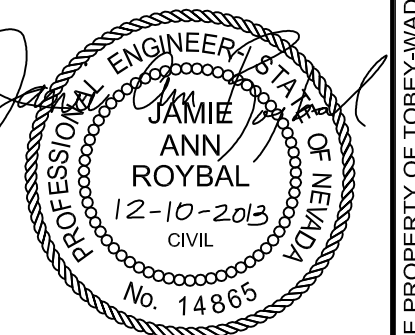
ELEVATIONS AND SECTIONS
VICTORIAN AMPHITHEATER PROJECT
PREPARED FOR
CITY OF SPARKS

NEVADA

WASHOE COUNTY

SPARKS

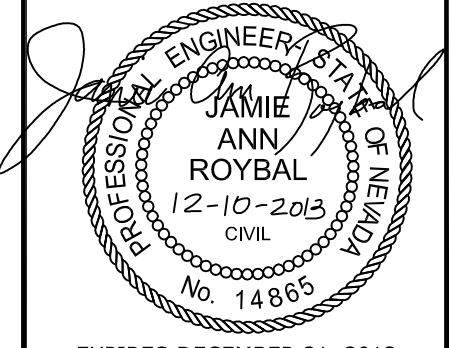
SHEET REVISIONS		
NO.	DESCRIPTION/DATE	BY



JAMIE ANN ROYBAL	
JOB NO.	R125-13-13
DESIGNED	J.A.R.
DRAWN	S.R.M.
CHECKED	T.R.T.
DATE	DECEMBER 10, 2013
PLAN SET REVISION	0

S2.0

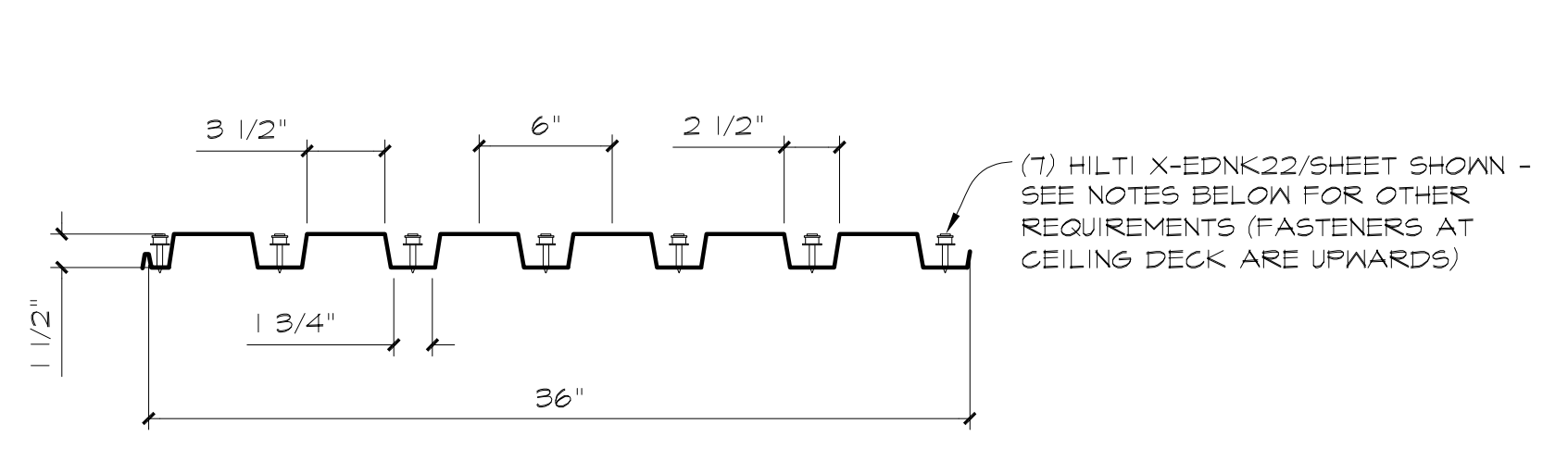
SHEET REVISIONS		
NO.	DESCRIPTION/DATE	BY



JOB NO.	R125-13-13
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CHECKED	T.R.T.
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PLAN SET REVISION	0

S3.0

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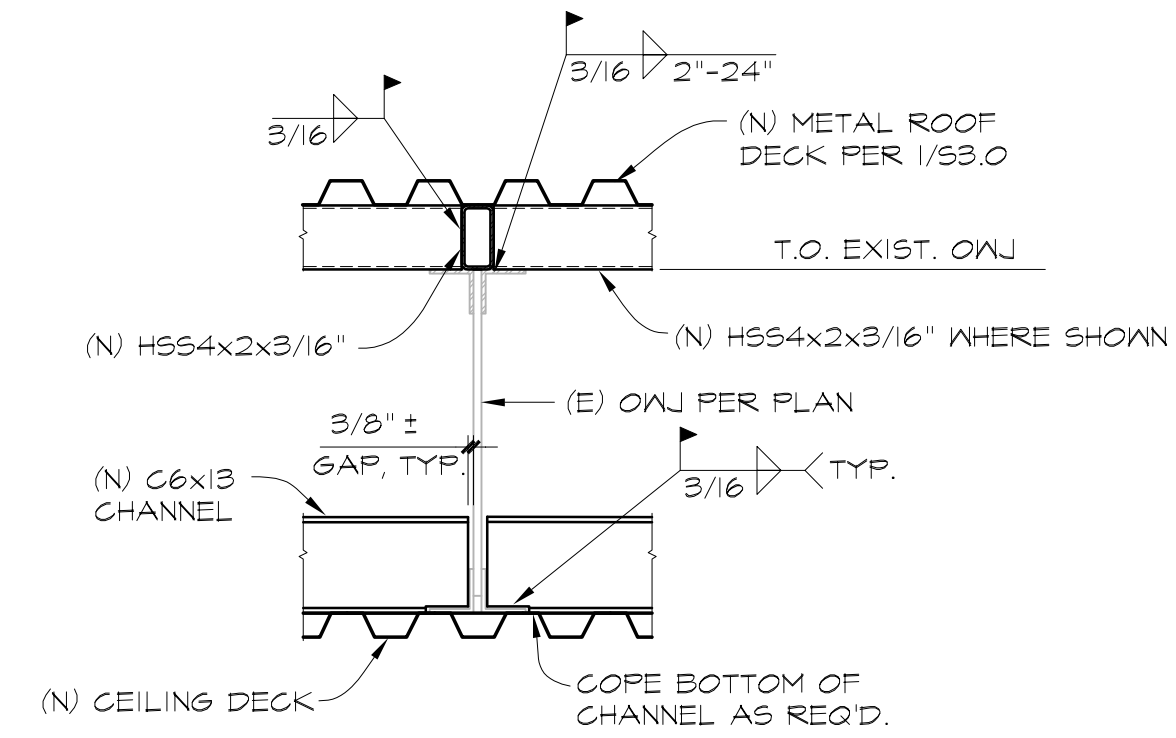


1 DECK CONNECTION REQUIREMENTS
N.T.S.

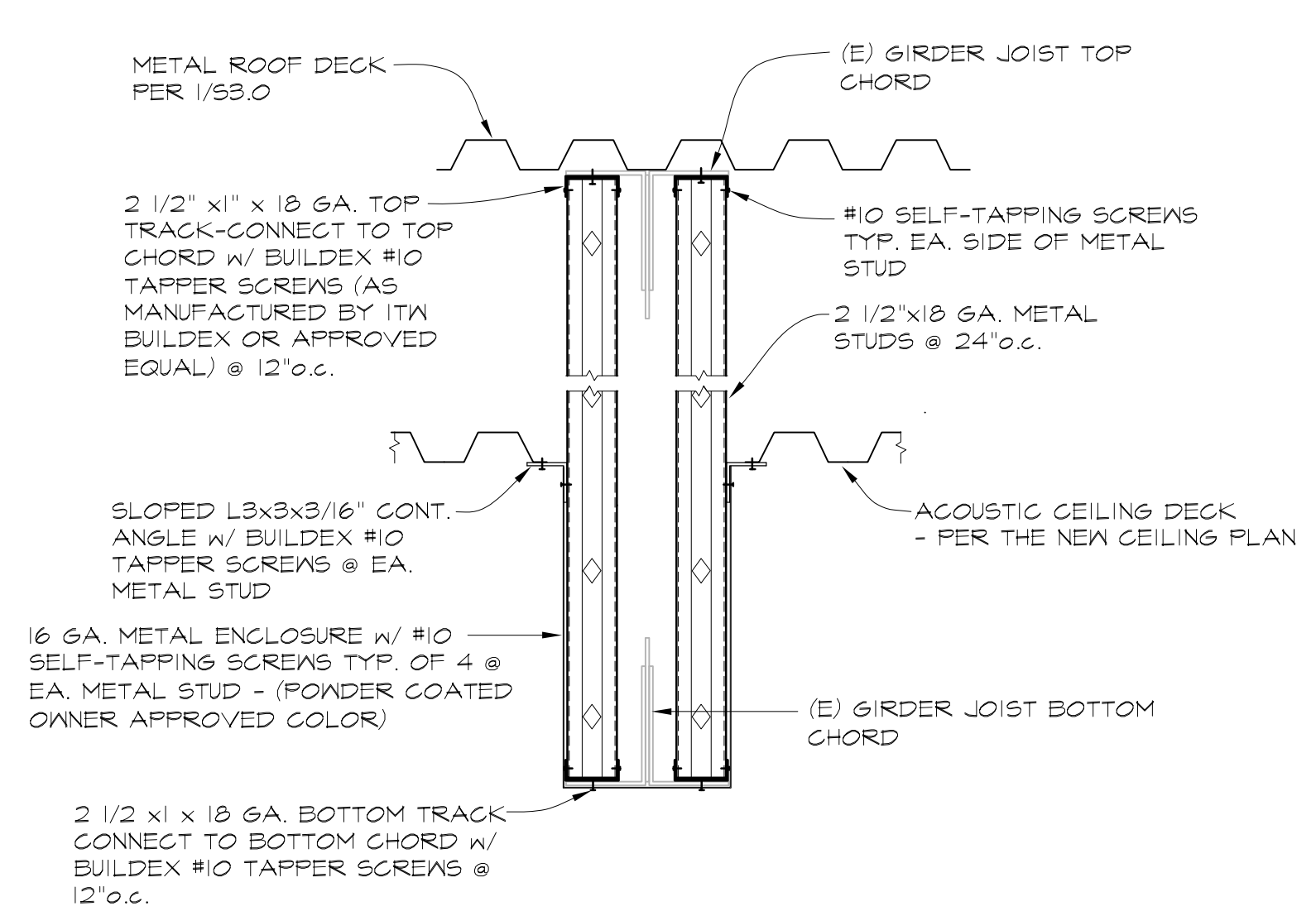
LOCATION	GAGE	I, IN ⁴	+S, IN ³	-S, IN ³	WEIGHT (PSF)	COMMENTS
ROOF	18	.302	.322	.395	2.9	PLB-36 SEE NOTES BELOW
CEILING	20	.216	.235	.248	2.3	PLB-36 ACOUSTICAL DECK - SEE NOTES BELOW

METAL DECK NOTES:

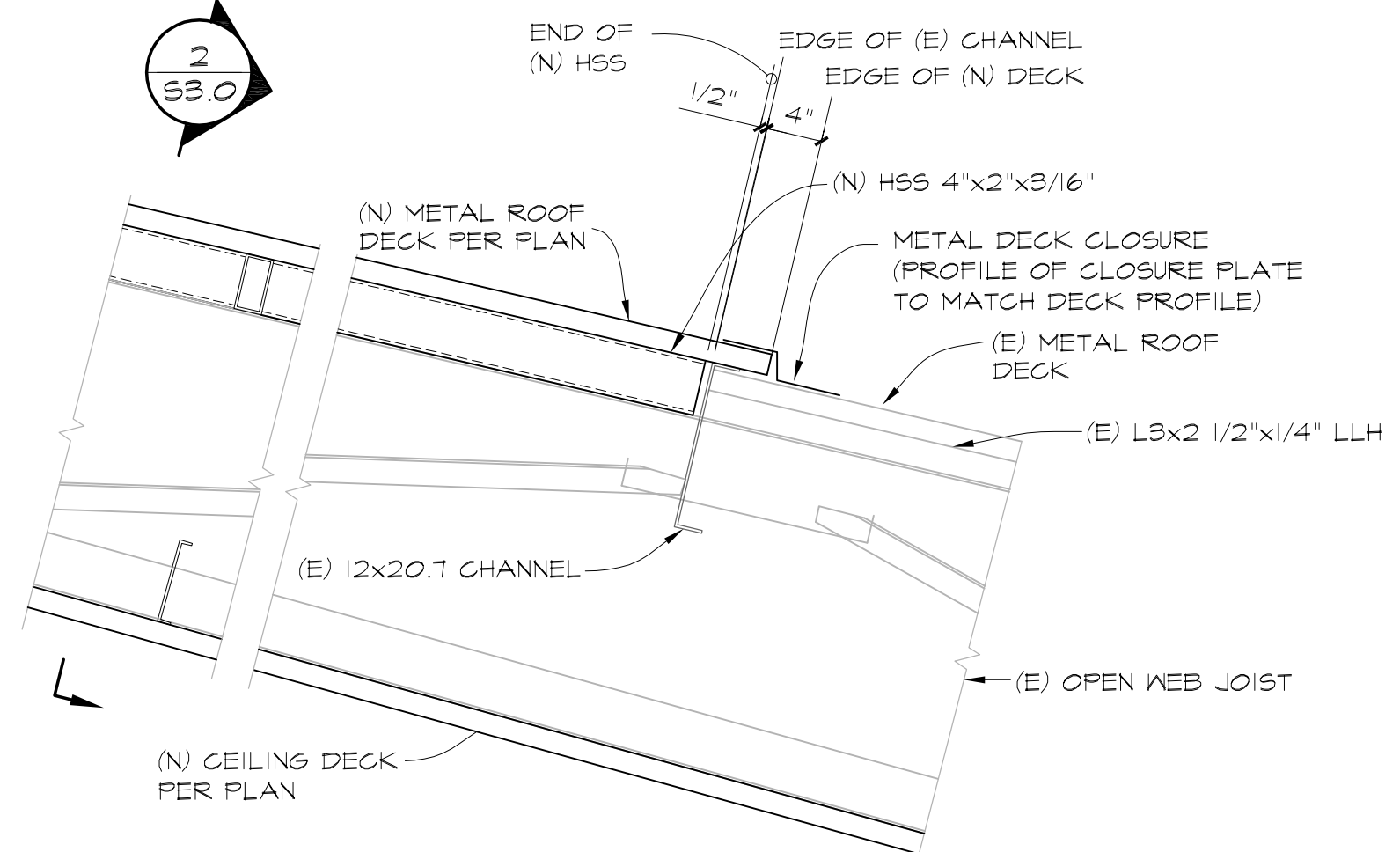
1. ALL ROOF DECKING SHALL MATCH EXISTING ROOF DECK COLOR (POWDER COATED OR EQUIVALENT).
2. ALL CEILING DECK SHALL BE POWDER COATED OR EQUIVALENT - COLOR TO BE DETERMINED BY OWNER.
3. ATTACHMENT TO PERPENDICULAR SUPPORTS SHALL BE (7) HILTI X-EDNK22 PER 36" DECK SHEET.
4. ATTACHMENT TO PARALLEL SUPPORTS SHALL BE HILTI X-EDNK22 AT 24" ON CENTER.
5. SIDE-LAPS SHALL BE PUNCHED AT 24" o.c.



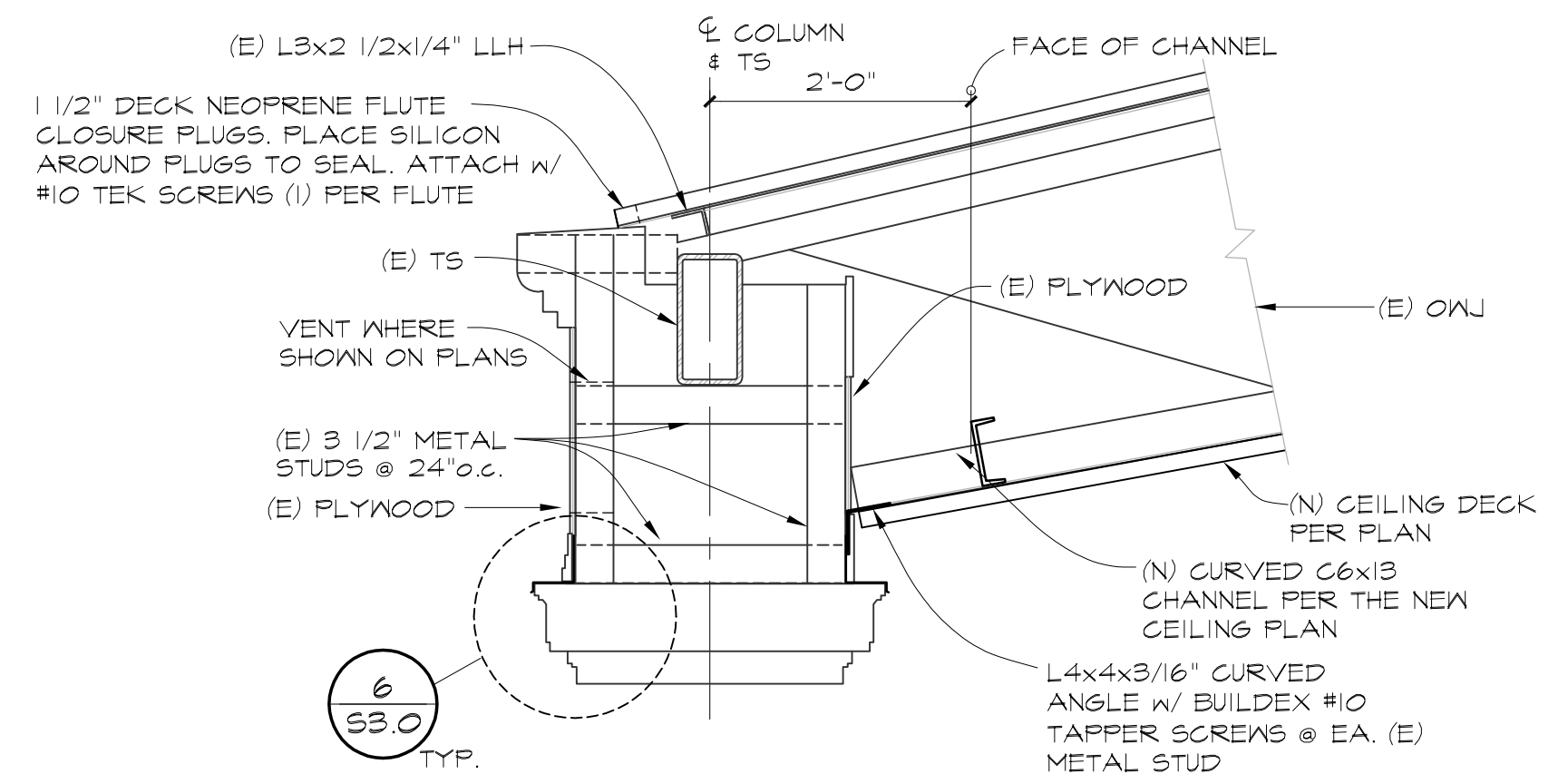
2 ROOF & CEILING DECK TO OWJ CONNECTION
N.T.S.



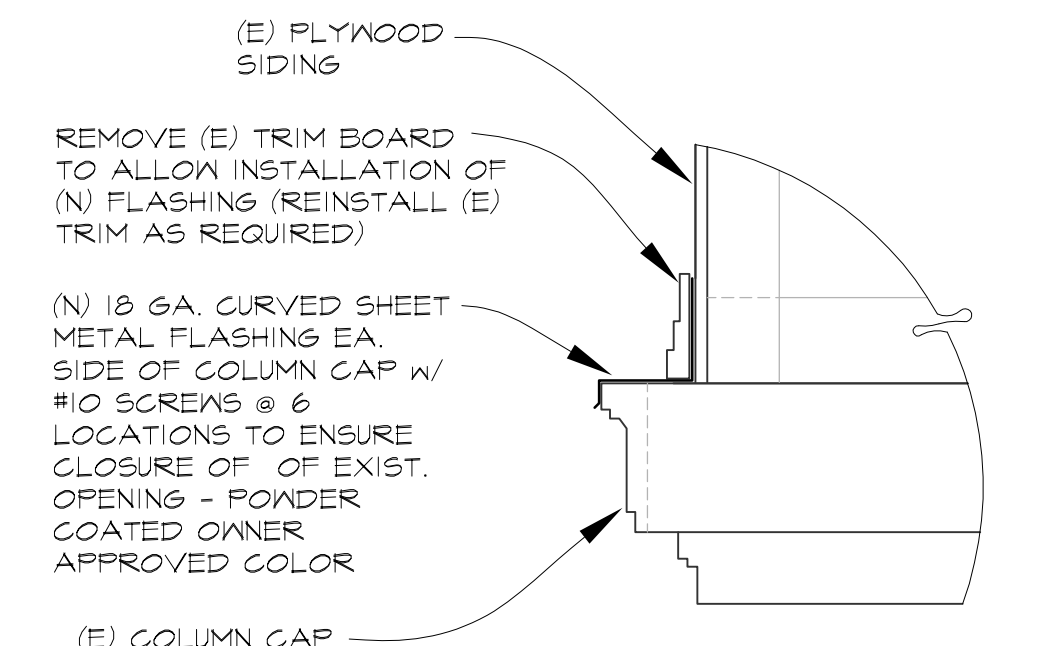
3 METAL STUD ENCLOSURE WALL SECTION
SCALE: 1 1/2"=1'-0"



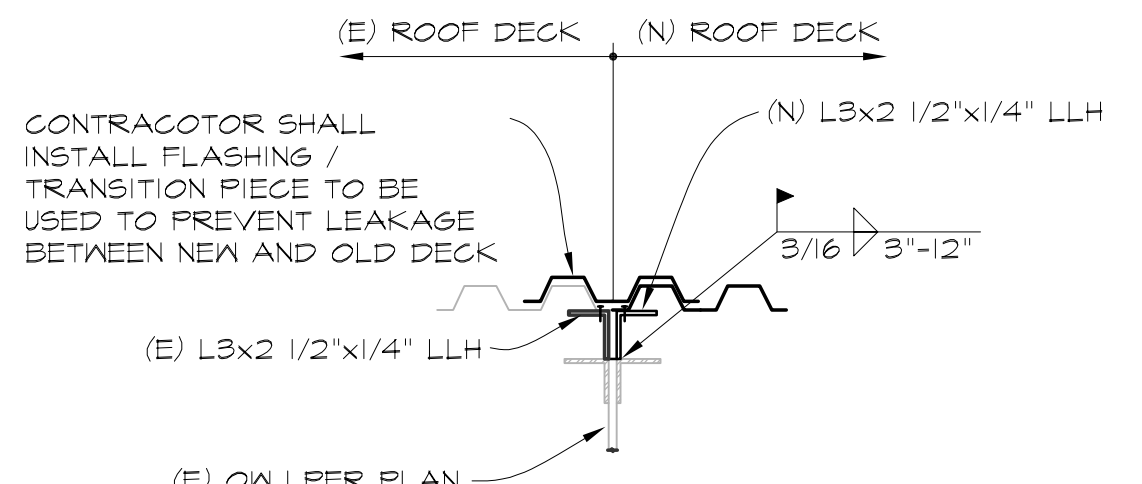
4 (N) ROOF DECK CONNECTION
SCALE: 1"=1'-0"



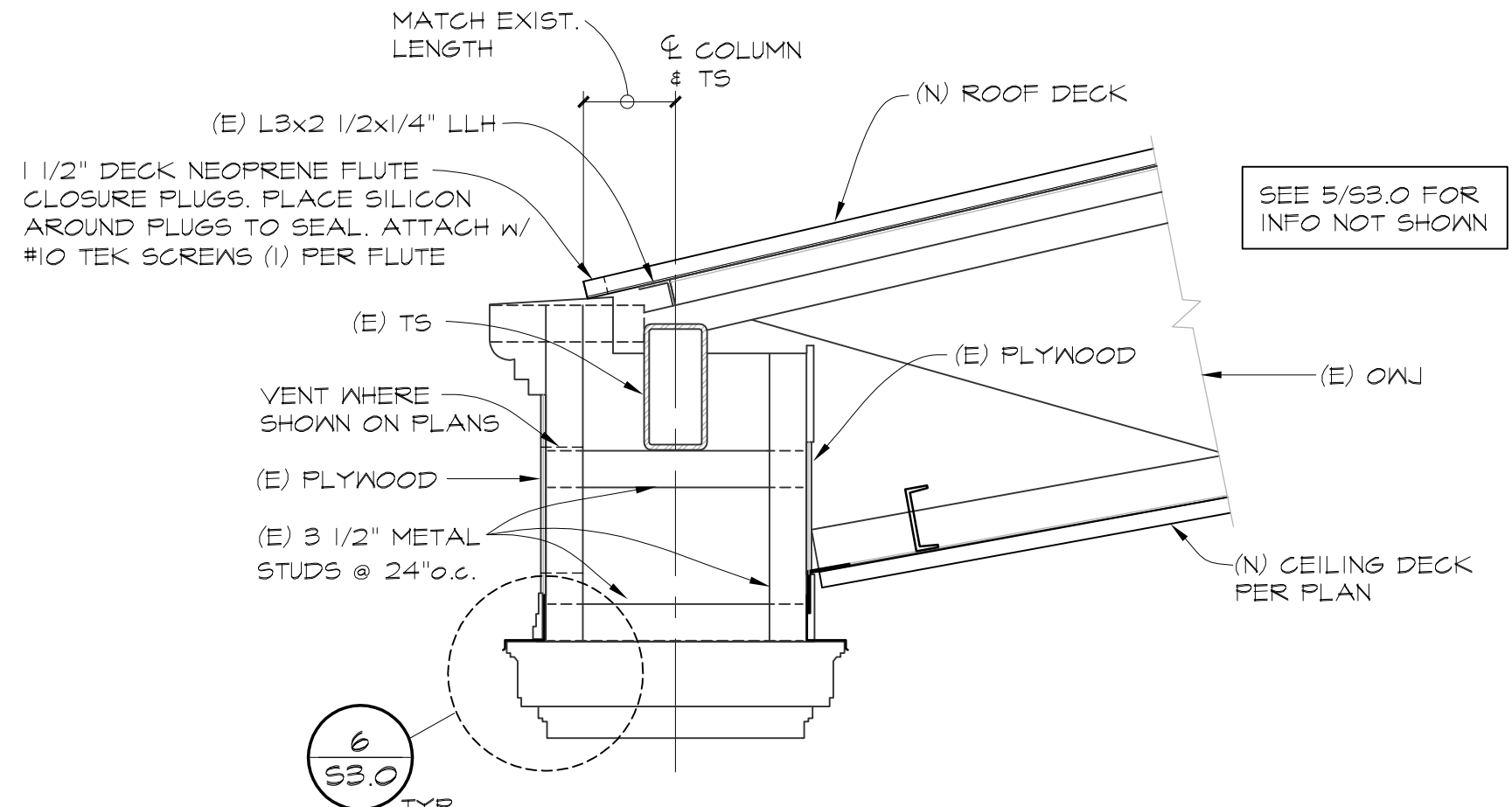
5 (N) CEILING AT (E) WALL DETAIL
SCALE: 3/4"=1'-0"



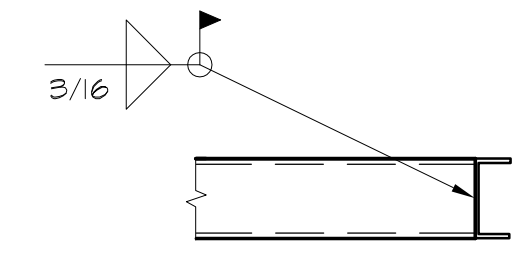
6 FLASHING AT COLUMN CAP
SCALE: 1 1/2"=1'-0"



7 (E) DECK TO (N) DECK
SCALE: 1"=1'-0"

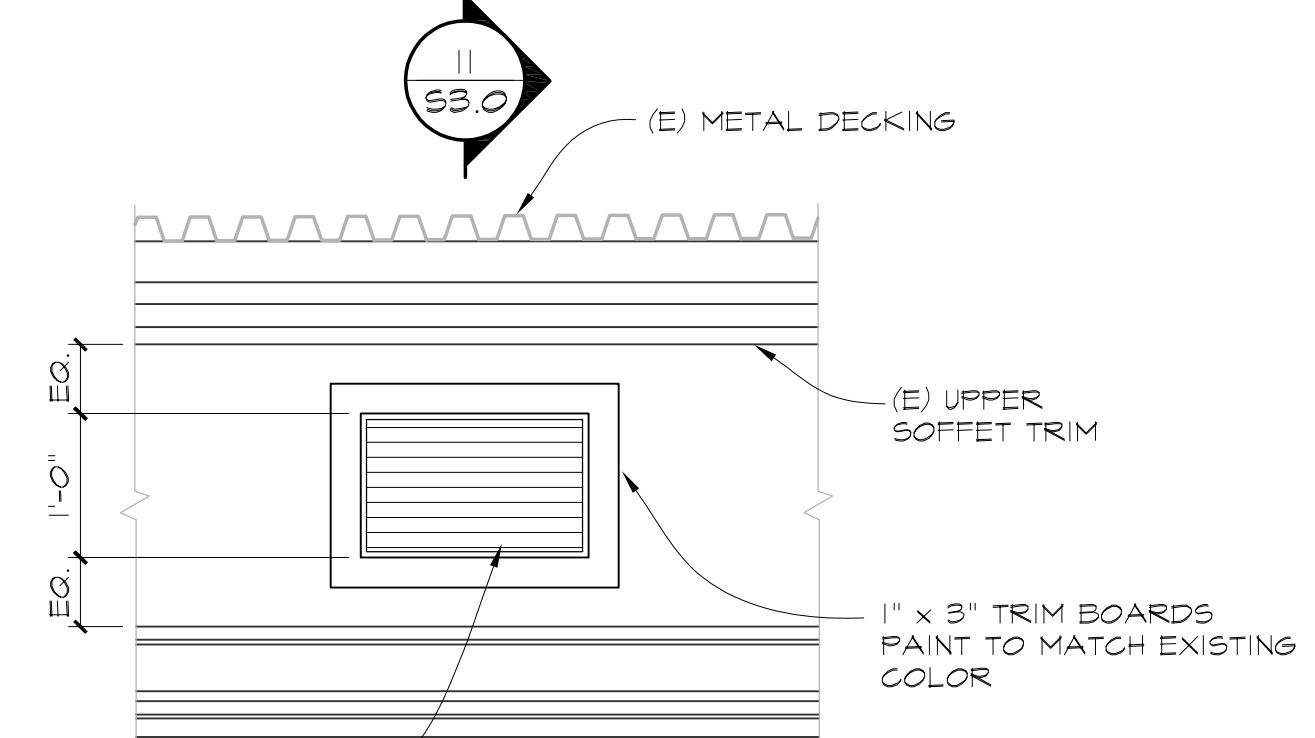


8 (N) ROOF AT (E) FRAMING
SCALE: 3/4"=1'-0"



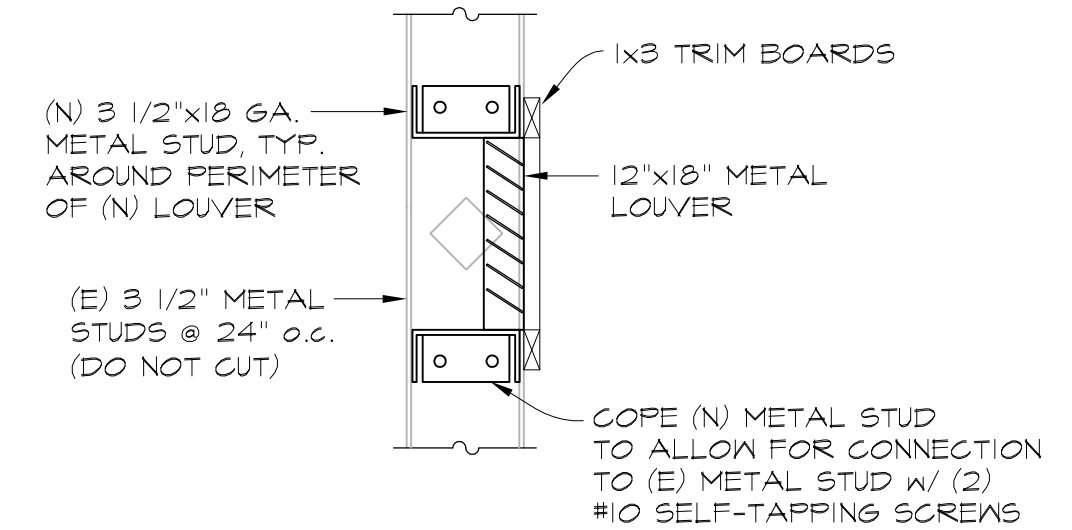
9 C6 TO C6 CONNECTION
N.T.S.

NOTES: 1. USE SIMILAR DETAIL AT SKEWED CONNECTIONS.

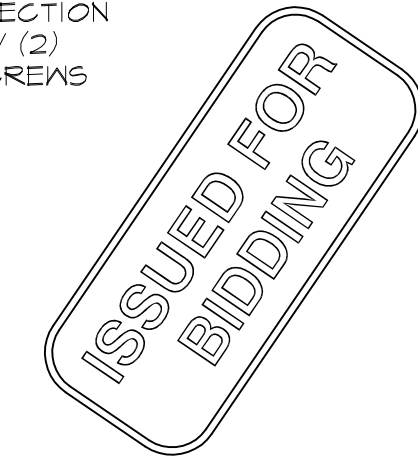


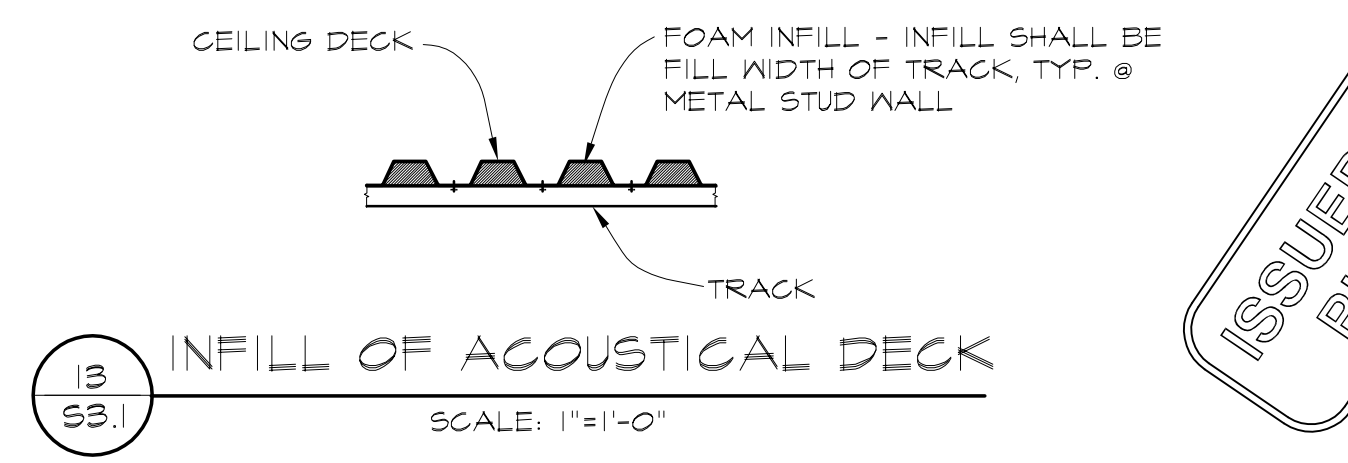
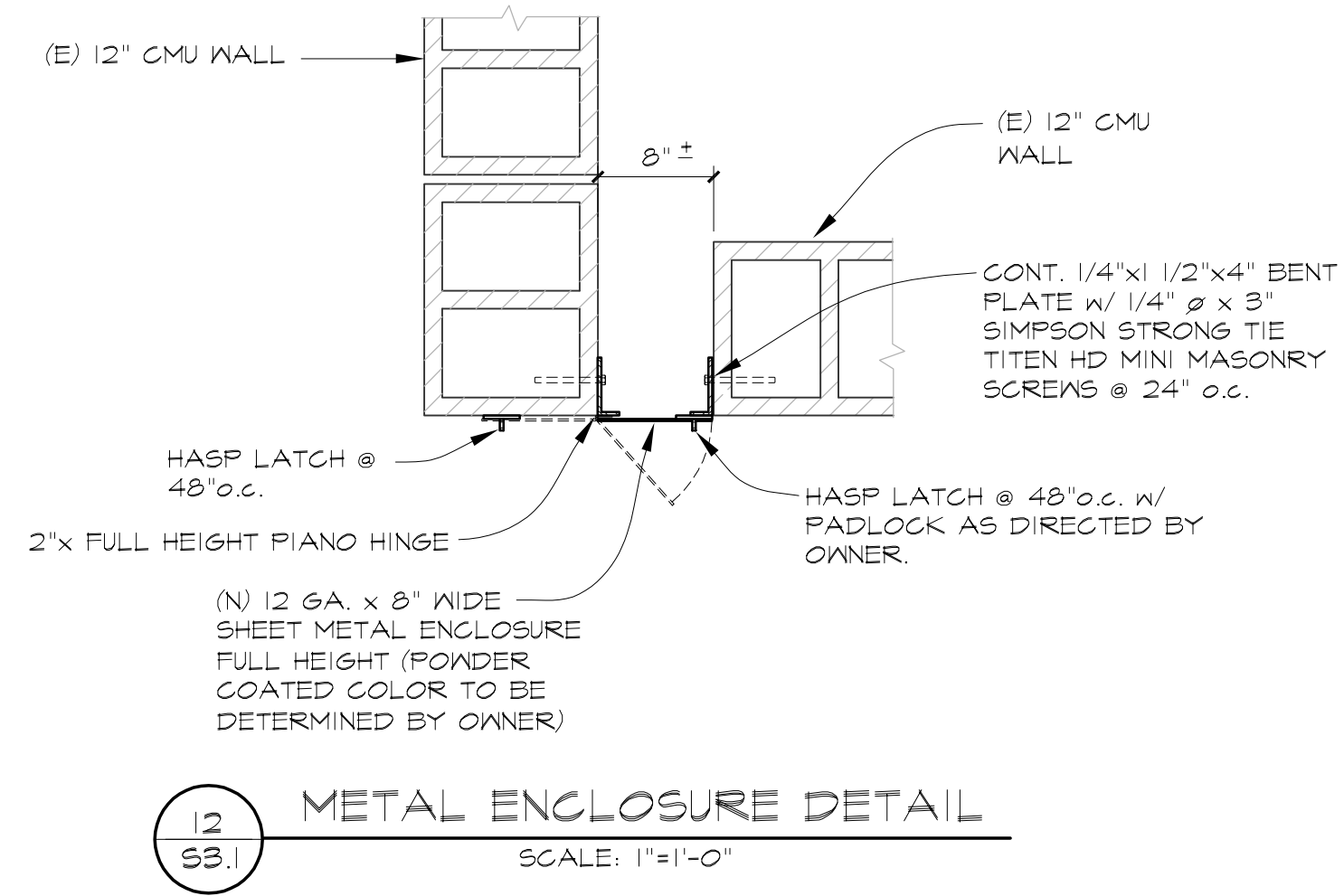
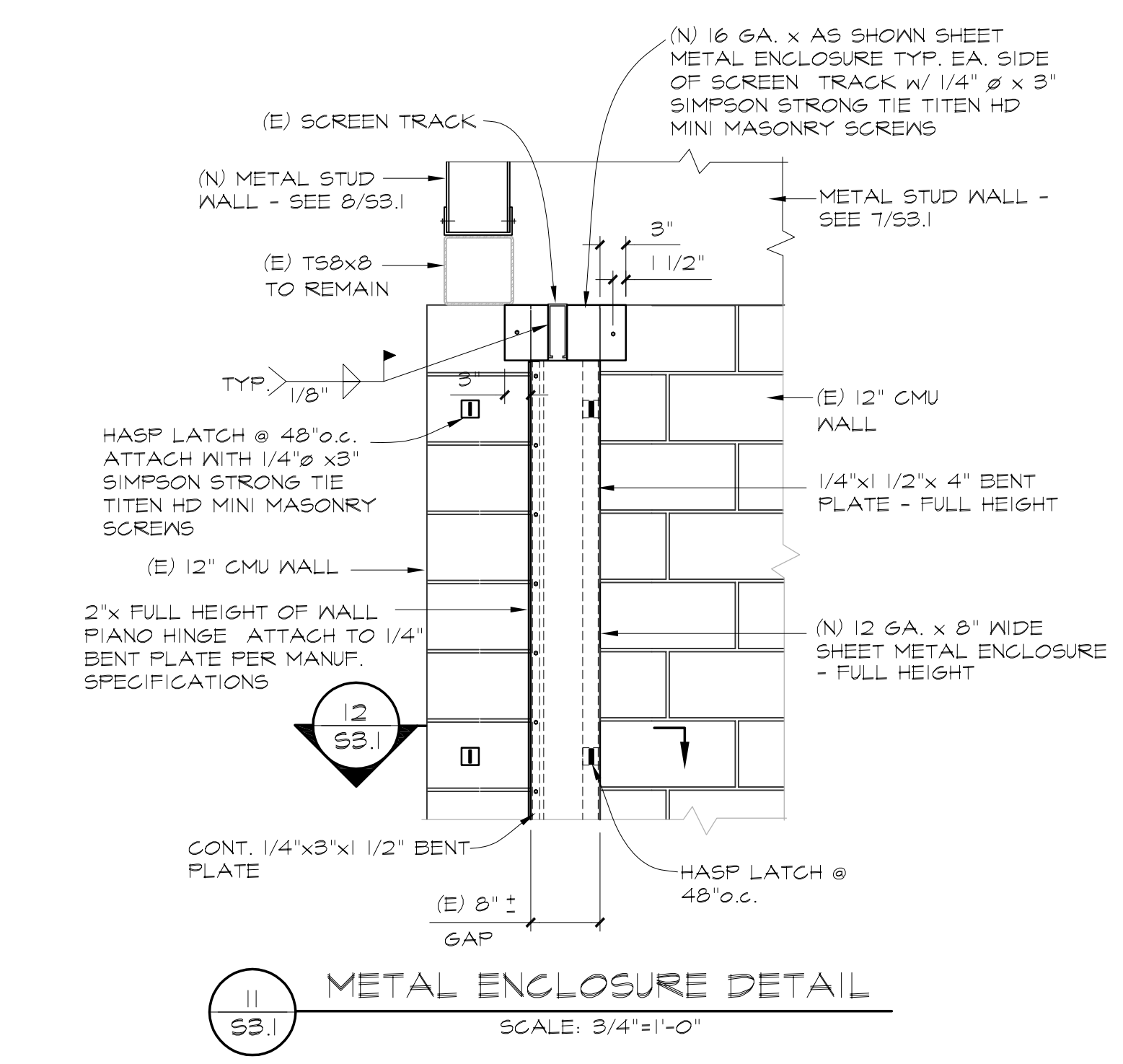
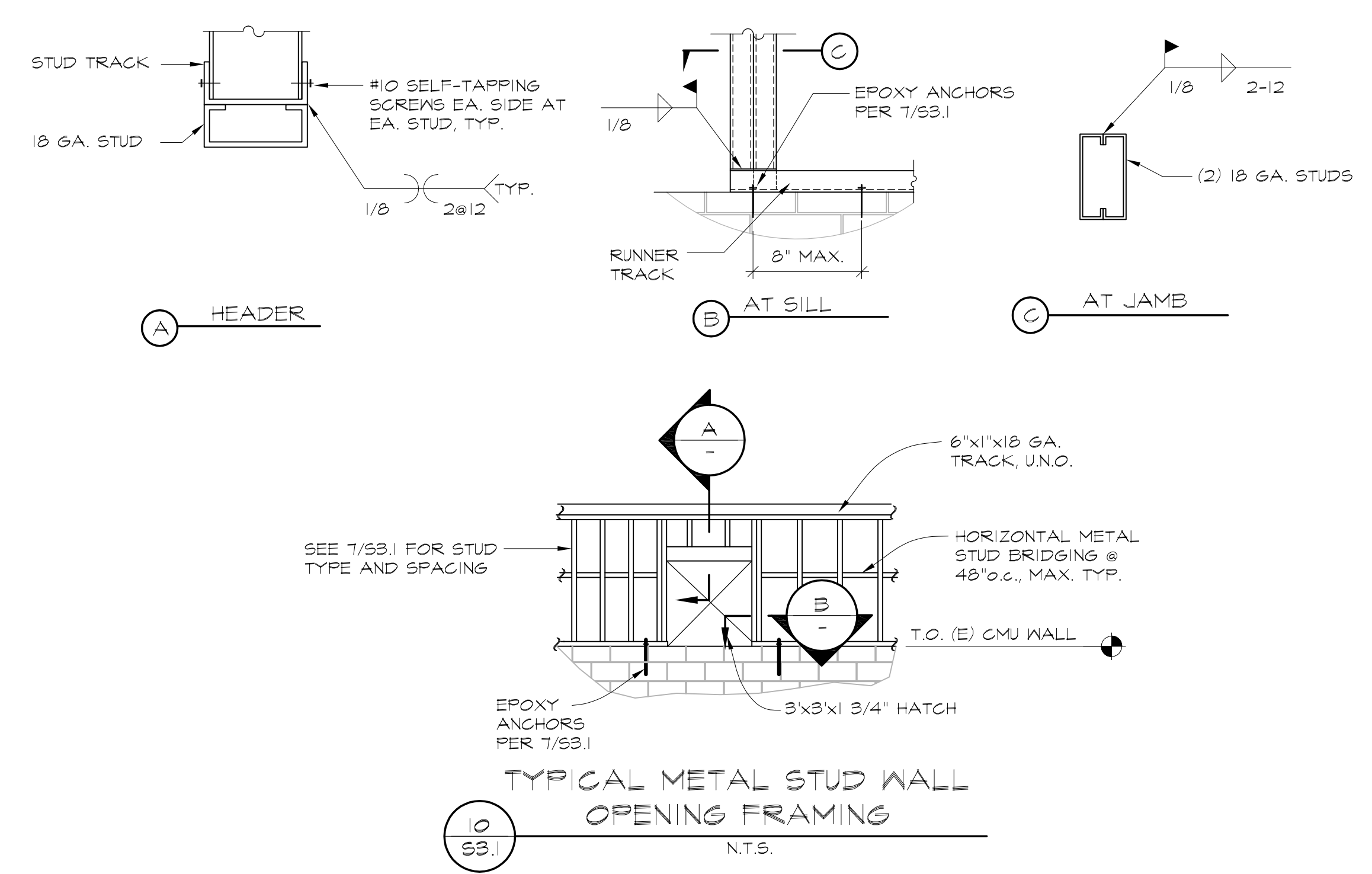
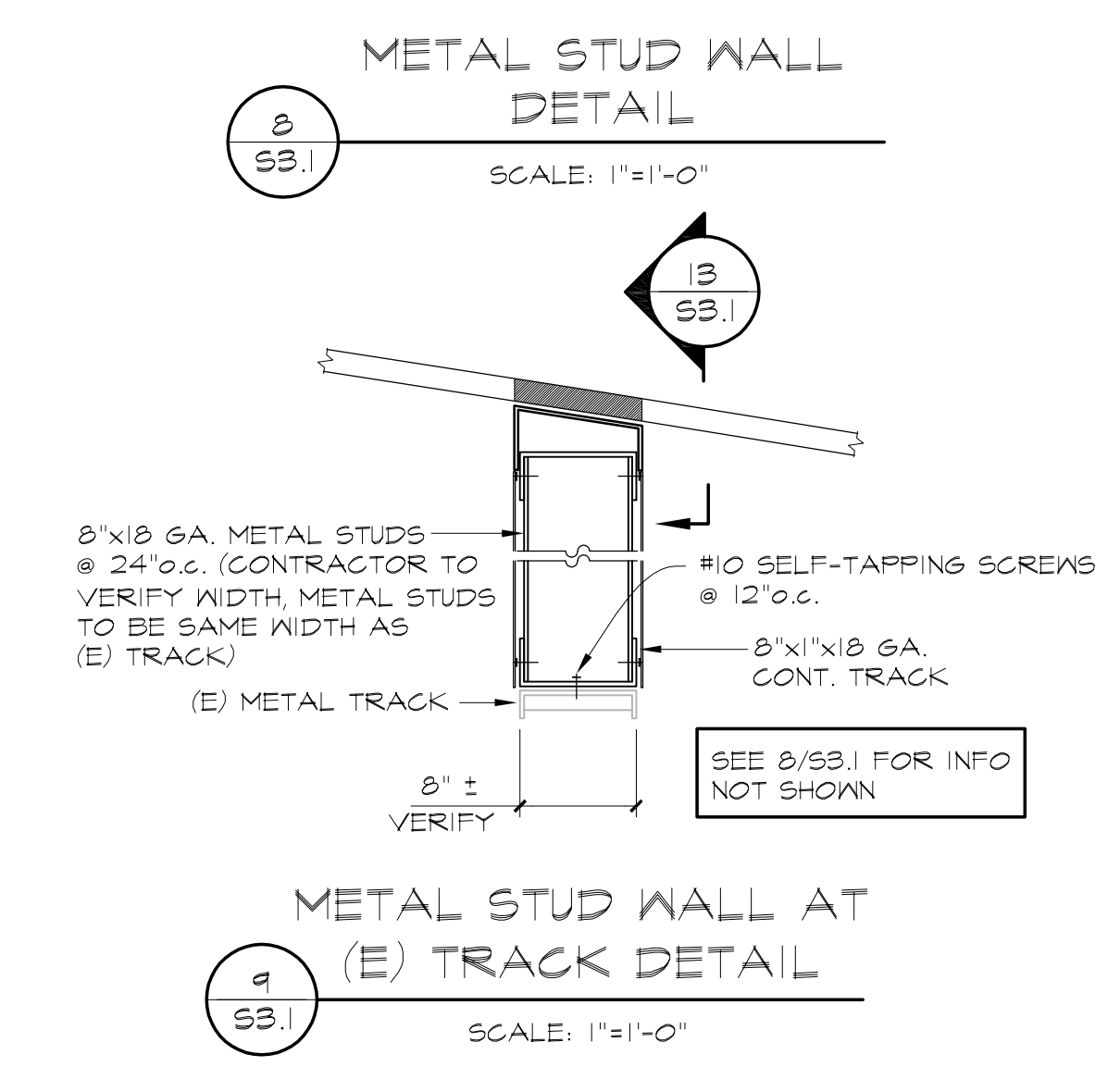
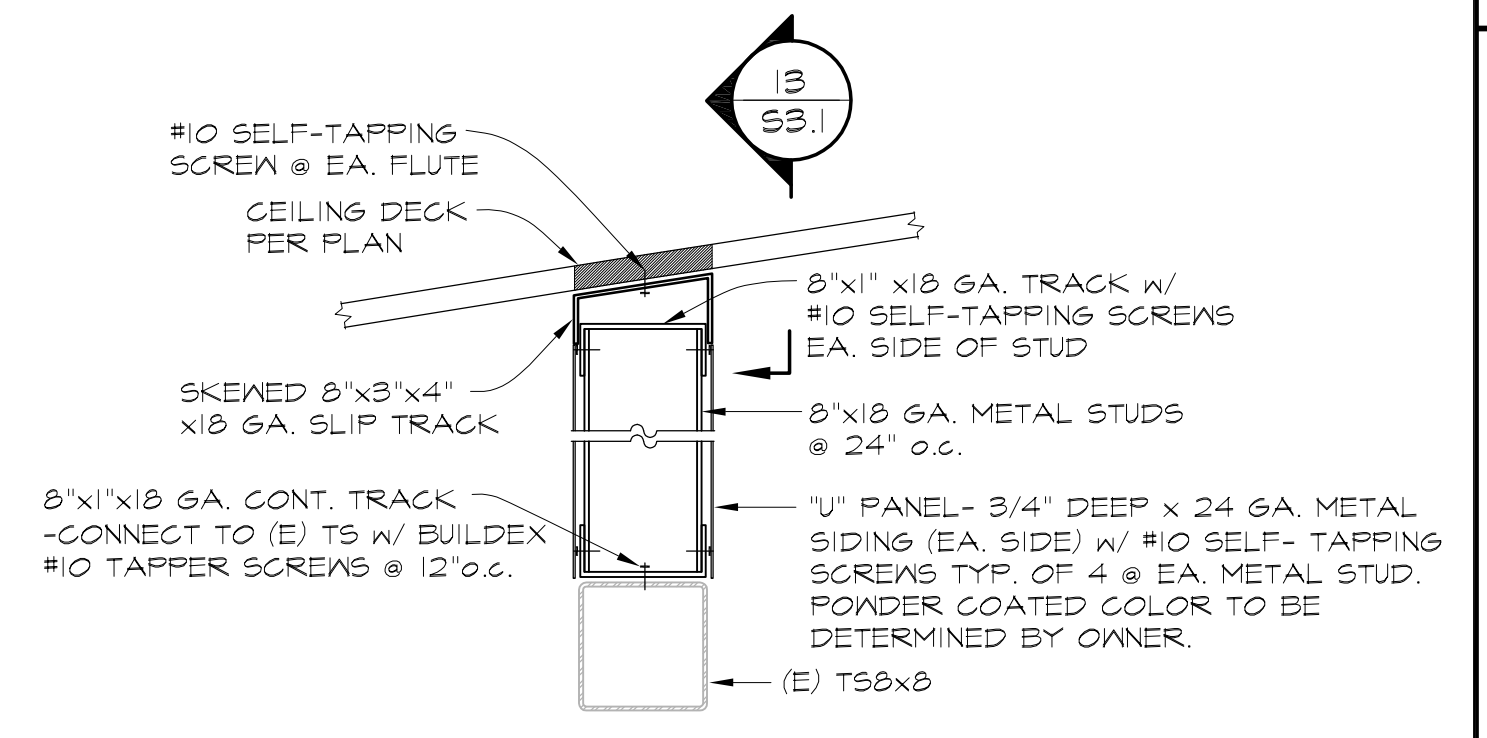
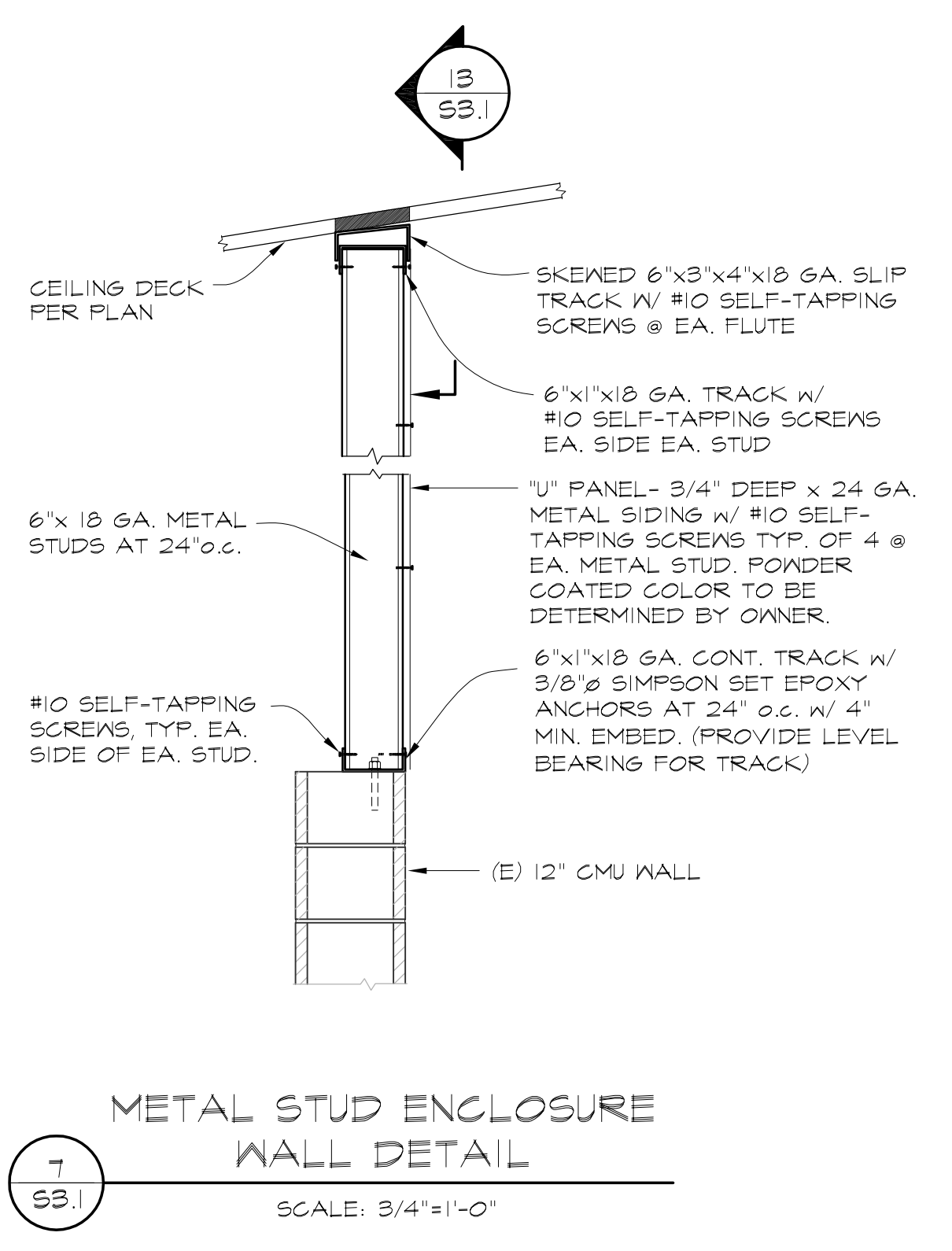
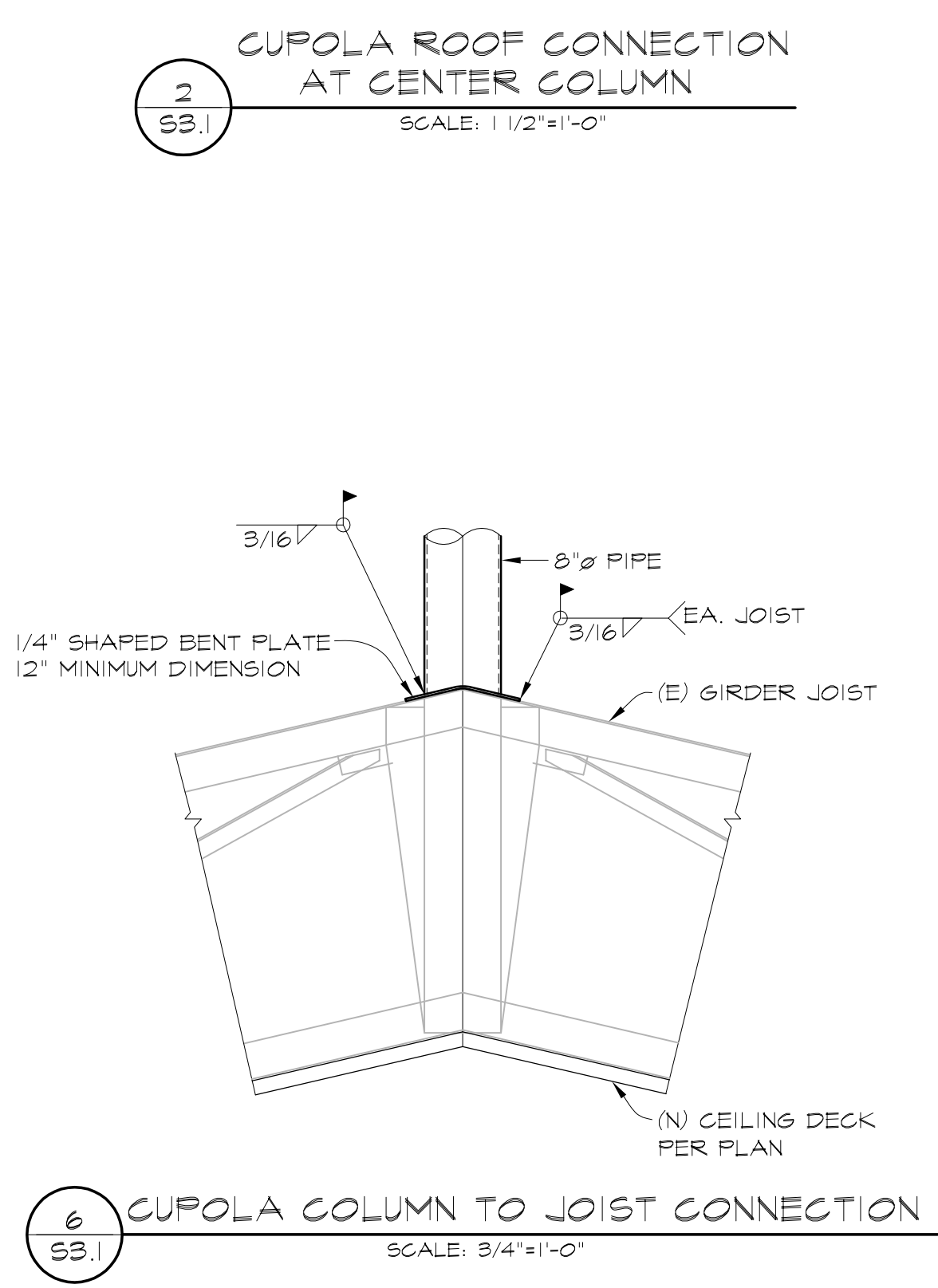
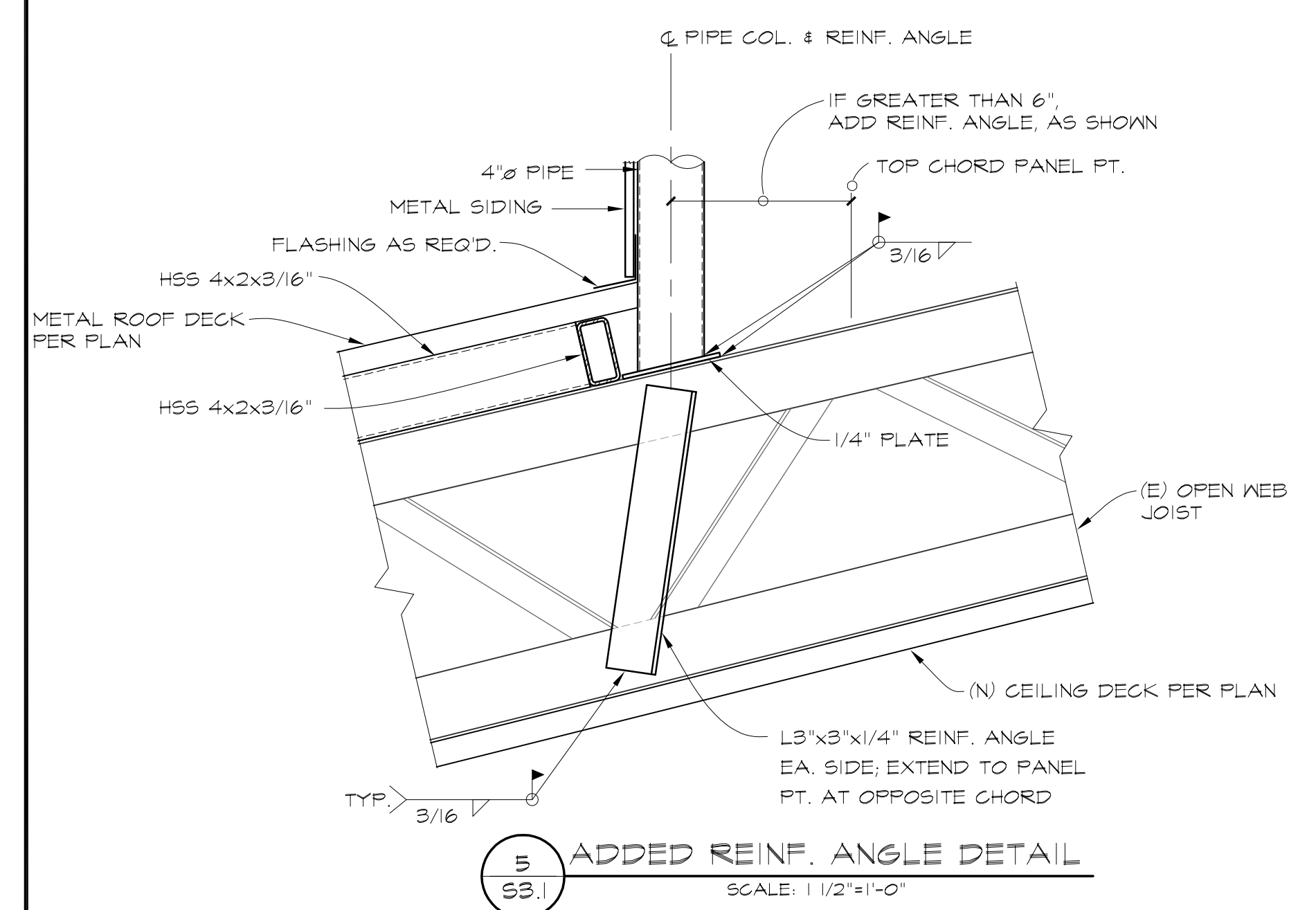
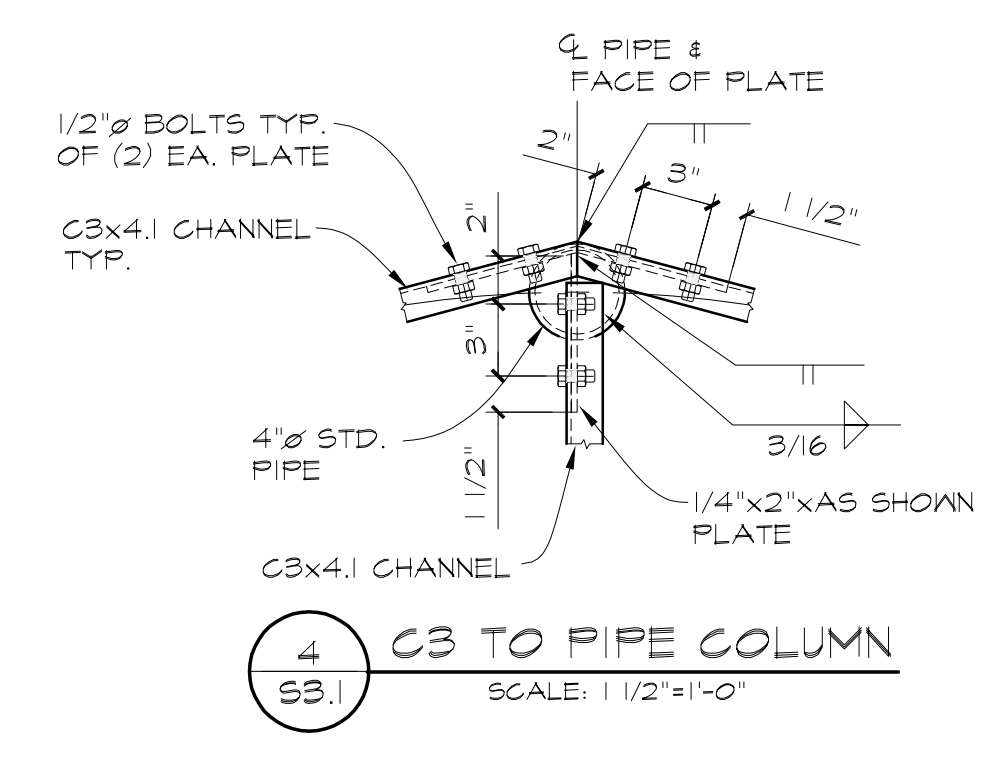
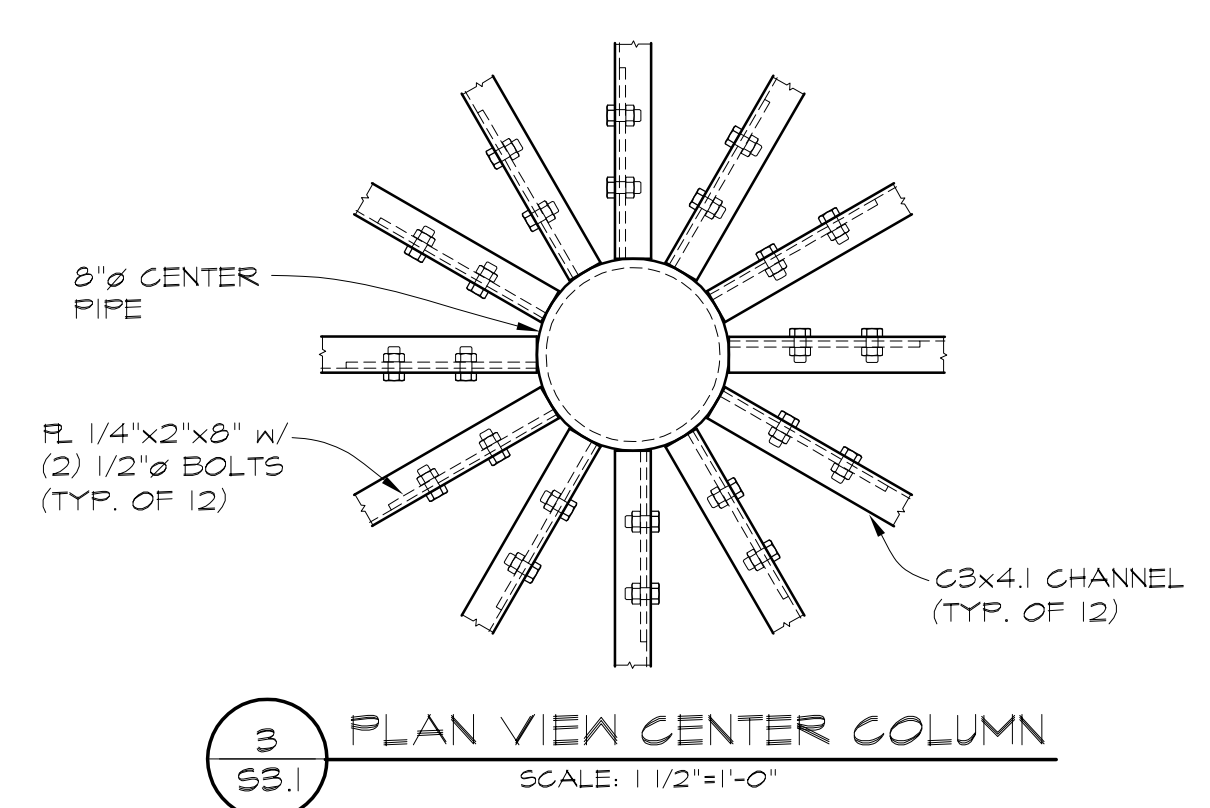
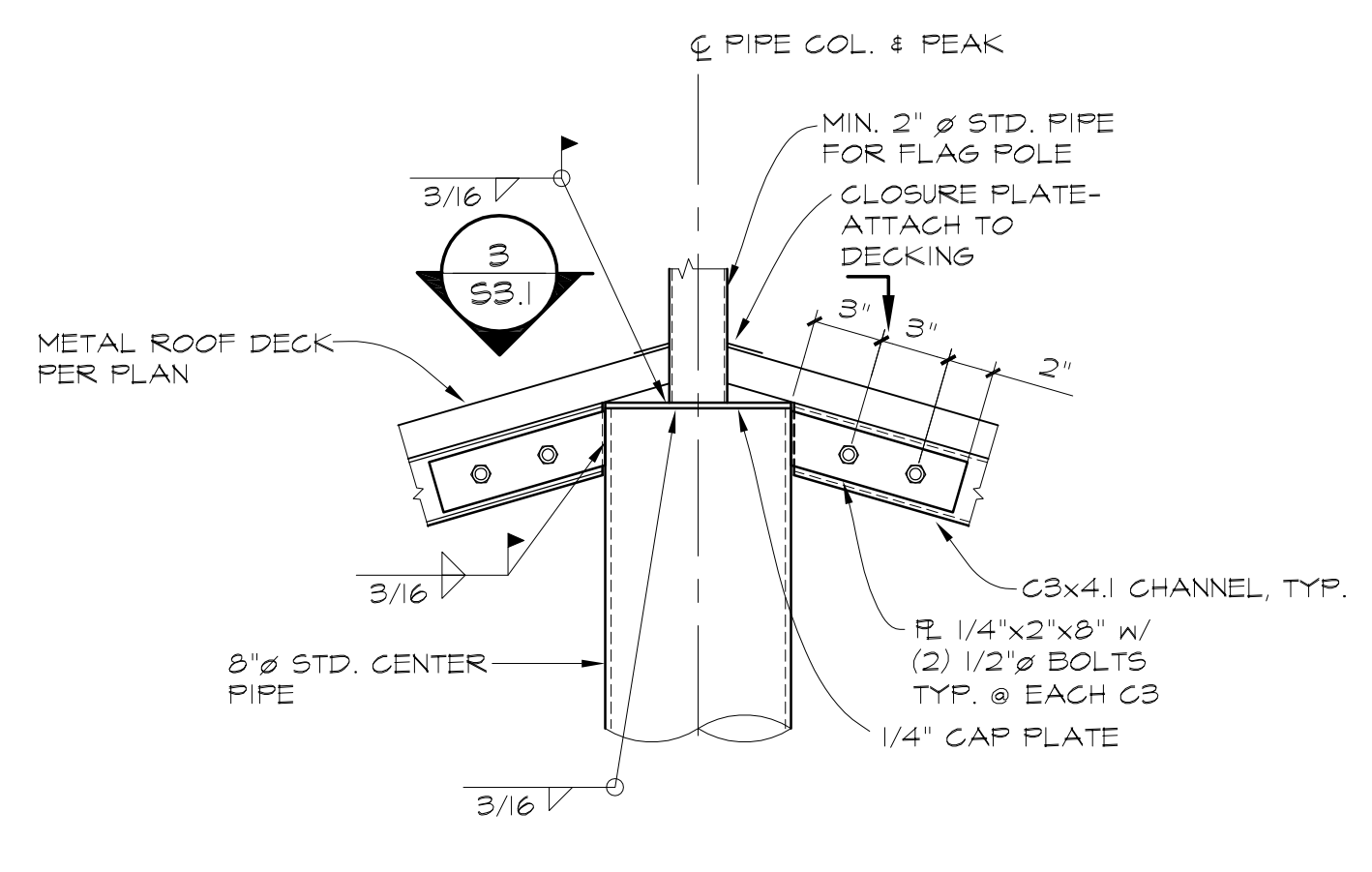
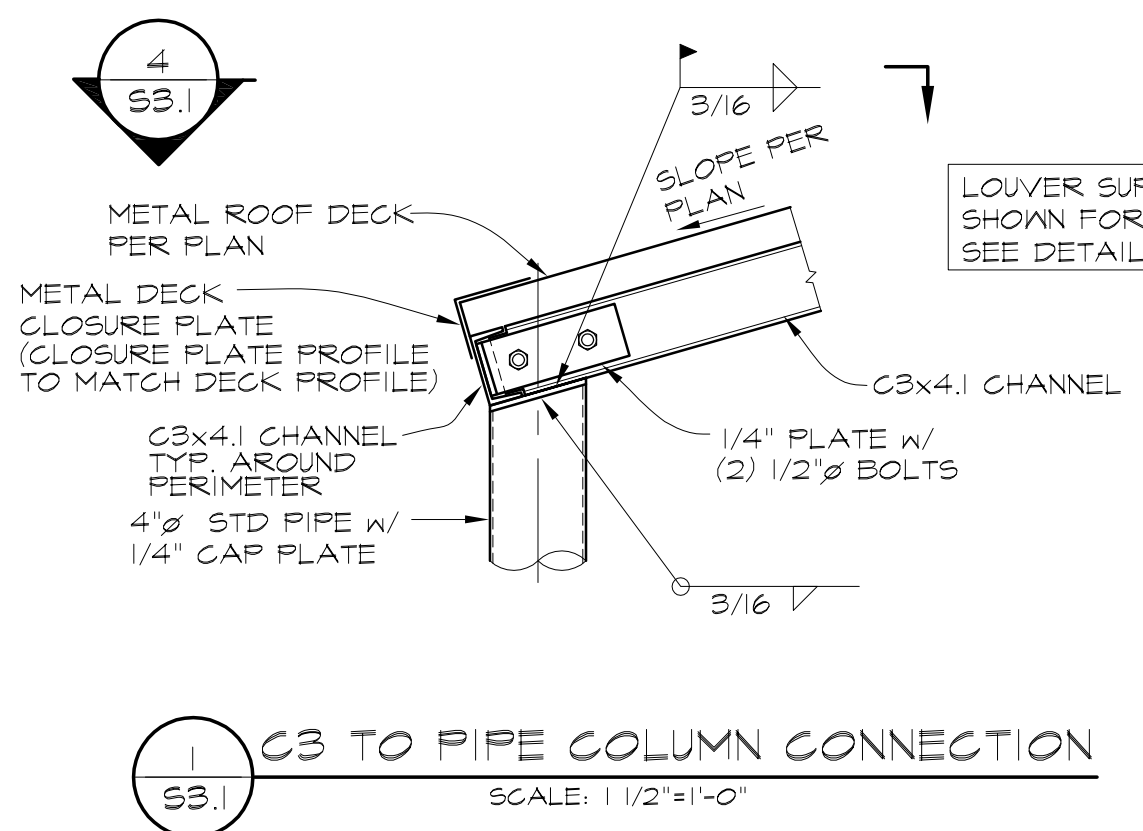
10 (N) BUILDING LOUVER VENT
SCALE: 3/4"=1'-0"

ROOF VENTILATION
PER SECTION 1203.2 OF 2012 IBC:
3300 SQ. FT. / 150 = 22 FT. (3168 IN.) MINIMUM OF VENT REQUIRED.
50% (1584 SQ. IN.) INSTALLED AT EAVE & PEAK
EAVE - 18"x12" LOUVER x 8 LOUVERS = 1728 SQ. IN.
ROOF - 18"x24" LOUVER x 12 LOUVERS = 5184 SQ. IN.

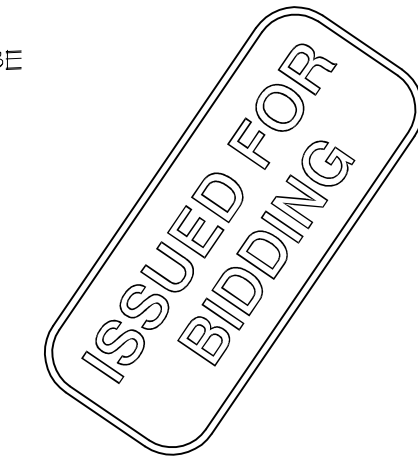


11 LOUVER FRAMING DETAIL
SCALE: 1"=1'-0"





NOTES: FOAM INFILL AT ACOUSTICAL CEILING DECK SHALL ALSO BE USED AT LIGHT FIXTURES - SEE ELECTRICAL PLANS FOR LIGHT FIXTURE LOCATION.



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CUPOLA & WALL FRAMING DETAILS
VICTORIAN AMPHITHEATER PROJECT
PREPARED FOR
CITY OF SPARKS
WASHOE COUNTY
NEVADA

SHEET REVISIONS		
NO.	DESCRIPTION/DATE	BY

EXPIRES DECEMBER 31, 2013
JAMIE ANN ROYBAL
JOB NO. R125-13-13
DESIGNED J.A.R.
DRAWN S.R.M.
CHECKED T.R.T.
DATE DECEMBER 10, 2013
PLAN SET REVISION 0

S3.1
7 OF 11 SHEETS

Date: 10/20/13 2:08pm
 Path: C:\Users\jamie.roybal\Documents\Victorian Amphitheater\Current Drawings - S3.dwg
 User: jamie.roybal

ELECTRICAL SYMBOL LIST

—	CONDUIT RUN IN OR ON CEILING OR WALL
---	CONDUIT RUN IN OR UNDER FLOOR OR UNDERGROUND
///	HASH MARKS INDICATE NUMBER OF #12 AWG CONDUCTORS IN CONDUIT. NO MARKS INDICATE 2 #12'S. DOES NOT INCLUDE GROUND WIRE. IF NON-METALLIC CONDUIT ADD GROUND PER NEC.
///	LONG SLASH WITH HASH MARKS AS SHOWN INDICATES GROUND WIRE FOR ISOLATED GROUNDING SYSTEM. SIZE PER N.E.C.
LA-1	HOMERUN TO PANEL WITH PANEL AND CIRCUIT INDICATED
LA-(1, 3, 5)	HOMERUN TO PANEL WITH CIRCUIT NUMBER IN BRACKETS INDICATING MULTI-POLE BREAKER.
○ ○	LED FIXTURE - CEILING OR WALL MOUNTED SEE FIXTURE SCHEDULE
○	LED - RECESSED
⊙ ⊙	EXIT LIGHT - WITH OR WITHOUT DIRECTIONAL ARROWS AS INDICATED (SHADED PORTION INDICATES ILLUMINATED SURFACE) - ON UNSWITCHED CIRCUIT
⊕	EMERGENCY BATTERY UNIT WITH TWIN HEADS ON UNSWITCHED CIRCUIT
⊙	FLOOD LIGHT
⊕	SINGLE POLE SWITCH +48" AFF
⊕	THREE-WAY SWITCH +48" AFF
■	ELECTRICAL PANELBOARD - SURFACE MOUNTED
■	ELECTRICAL PANELBOARD - FLUSH MOUNTED
1	SHEET NOTE
A 90	LIGHT FIXTURE DESIGNATION & WATTAGE. SEE FIXTURE SCHEDULE
B E3.1	DETAIL DESIGNATION - "B" INDICATES DETAIL # ON SHEET E3.1
*	NOTE: ALL MOUNTING HEIGHTS AS INDICATED UNLESS NOTED OTHERWISE. ALL SYMBOLS MAY NOT BE USED ON PROJECTS.

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
CL	CENTERLINE
CU	COPPER
(E)	EXISTING TO REMAIN
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NVE	NEVADA ENERGY
PNL	PANEL
TL	TWISTLOCK
UNO	UNLESS NOTED OTHERWISE
UNSW	UNSWITCHED
W/	WITH
WP	WEATHERPROOF (NEMA 3R)

GENERAL DEMOLITION NOTES

- ELECTRICAL OUTLETS AND DEVICES THAT ARE INDICATED BY DASHED LINES SHALL BE REMOVED ENTIRELY, INCLUDING JUNCTION BOXES AND CIRCUITING ASSOCIATED WITH SAID ITEM.
- THESE PLANS DO NOT PURPORT TO SHOW ALL EXISTING CONDITIONS. ANY OUTLETS, CIRCUITING AND/OR DEVICES THAT CONFLICT WITH ALL WORK BEING PERFORMED DURING THE COURSE OF THIS PROJECT SHALL BE RELOCATED/REROUTED OR REMOVED ENTIRELY AS DICTATED BY CITY ENGINEER.
- ALL EXISTING EQUIPMENT REMOVED DURING THE COURSE OF THIS PROJECT SHALL BE OFFERED TO CITY FOR SALVAGE. ANY EQUIPMENT SELECTED BY SHALL BE TURNED OVER TO CITY ON PROJECT SITE. ALL REMAINING EQUIPMENT BECOMES THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM PROJECT SITE.
- IT IS RECOMMENDED THAT THE CONTRACTOR VISIT SITE AND VERIFY EXISTING CONDITIONS THAT MIGHT AFFECT HIS OR HER WORK. ALL DISCREPANCIES SHALL BE REPORTED TO ENGINEER PRIOR TO BID.
- DEMOLITION AND MODIFICATION OF EXISTING DISTRIBUTION SYSTEMS SHALL BE PERFORMED AS FOLLOWS:
 - EXISTING WIRING TO BE REMOVED SHALL BE REMOVED BACK TO ITS SOURCE. CONDUITS MAY BE ABANDONED IN PLACE IF THEY ARE IN CONCEALED LOCATION AND DO NOT CONFLICT WITH ANY NEW WORK. REMOVE ALL WIRING FROM ABANDONED RACEWAYS.
 - CONTINUATION OF SERVICE: MAINTAIN CONTINUITY OF EXISTING CIRCUITS. TEST LIGHTING, RECEPTACLES AND ALL ELECTRICALLY POWERED EQUIPMENT IN SURROUNDING AREAS TO DETERMINE IF ANY EQUIPMENT TO REMAIN HAS BEEN DE-ENERGIZED. CONTRACTOR SHALL RECONNECT ALL EQUIPMENT AND EXTEND CIRCUITING IN ORDER TO RE-ACTIVATE ANY SUCH EQUIPMENT.

ELECTRICAL GENERAL NOTES

- FURNISH ALL LABOR, MATERIALS, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE WORKING ELECTRICAL SYSTEM.
- ALL EQUIPMENT, MATERIALS AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING. OR NOTED OTHERWISE ON OTHER SHEETS.
- ANY POWER OUTAGE OF ANY CIRCUIT SHALL BE APPROVED BY THE OWNER IN WRITING A MINIMUM OF TWO WEEKS PRIOR TO OUTAGE. ALL OUTAGES SHALL BE DONE EXACTLY WHEN DETERMINED BY THE OWNER.
- DUE TO THE REQUIREMENTS TO INTERFACE WITH EXISTING FACILITIES AND UTILITIES, IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO BID.
- APPEARANCE AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND STANDARDS.
- VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- ORDER AND/OR RELEASE ORDERED MATERIALS PROMPTLY AFTER SUBMITTAL APPROVAL. NO SUBSTITUTIONS OR ALTERNATE METHODS OF INSTALLATION WILL BE ACCEPTED FOR FAILURE TO ORDER MATERIALS IN A TIMELY FASHION.
- TYPE MC OR TYPE AC CABLE SHALL ONLY BE USED WITH THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. ENT TYPE CONDUIT IS NOT ALLOWED.
- CONDUIT/ CONDUCTOR RUNS SHOWN ARE DIAGRAMMATICAL ONLY. THE BEST FINAL CONDUIT ROUTING SHALL BE AS DETERMINED BY THE ELECTRICAL CONTRACTOR AT TIME OF CONSTRUCTION.
- ALL WIRE SHALL BE COPPER. UNLESS AUTHORIZED BY THE OWNER.

LIGHT FIXTURE SCHEDULE

SYM	DESCRIPTION & MANUFACTURER	LAMPS	VOLTS
A 110	SURFACE MOUNTED LED AREA LIGHTING W/ DIMMING DRIVER. SEE DETAIL 1) E2.2 FOR MOUNTING. LITHONIA #KACM LED 1 63B530/40K SR5 120 DMG DDBXD	INCLUDED W/FIXTURE	120
B 40	13" SQUARE LED DOWNLIGHT, RECESSED, W/ FLAT TEMPERED HOLOPHANE GLASS LENS, DIMMING DRIVER LITHONIA #VRR LED-3L-FHL-120-DIM	INCLUDED W/FIXTURE	120
E1 5	LED EXIT LIGHT, SINGLE FACE, DIE-CAST ALUMINUM HOUSING, SELF DIAGNOSTIC, COLD WEATHER, EMERGENCY BATTERY, UNIVERSAL MOUNTING. LITHONIA #LV S 1 G 120/277 EL6 N UM SD CW	INCLUDED W/FIXTURE	120
E2 5	LED EMERGENCY LIGHT, DIE-CAST ALUMINUM HOUSING, EMERGENCY BATTERY, COLD WEATHER. LITHONIA #AFN B EXT	INCLUDED W/FIXTURE	120

PANEL BOARD	A		EXISTING			
	LOAD	BKR	CIR	CIR	BKR	LOAD
			1 A	2		(E) RECEPTACLE
			3 B	4		(E) RECEPTACLE
			5 A	6	2	
			7 B	8		
			9 A	10		(E) RECEPTACLE
(N) RECESSED LIGHTING	120		11 B	12		(E) RECEPTACLE
(N) DOWN LIGHTS	660		13 A	14		(E) STORAGE ROOM LIGHT
(N) DOWN LIGHTS	660		15 B	16		(E) STORAGE ROOM RCPT
(E) UTILITY RM LGT			17 A	18		(E) RECEPTACLE
(E) RESTROOM LIGHTS			19 B	20		(E) RECEPTACLE
(E) RESTROOM RCPT			21 A	22		
			23 B	24		
			25 A	26		
			27 B	28		
			29 A	30		
			31 B	32		
			33 A	34		
			35 B	36		
			37 A	38		
			39 B	40		
			41 A	42		
CONNECTED LOAD	1440 VA	(6 A)				OTHER NOTES:
	A = 660 VA	5.5 A				120/240V., 1PH, 3W
	B = 780 VA	6.5 A				# AMP MCB
						# AMP BUS

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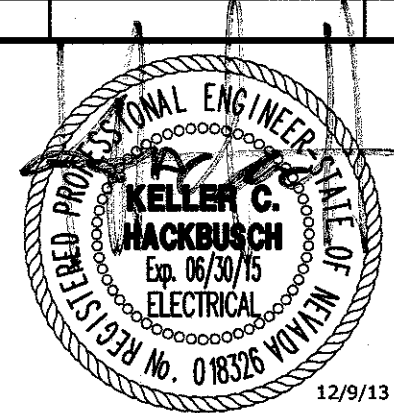
ELECTRICAL SYMBOL LIST AND GENERAL NOTES
VICTORIAN AMPHITHEATER PROJECT

PREPARED FOR
 CITY OF SPARKS

SPARKS

NEVADA

NO.	DESCRIPTION/DATE	BY



JOB NO.	R125-13-13
DESIGNED	MWB
DRAWN	MWB
CHECKED	ERG
DATE	DECEMBER, 09 2013
PLAN SET REVISION	0

E0.1

OF SHEETS

SECTION 16100 - ELECTRICAL PROVISIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND OTHER DIVISION-1 SPECIFICATIONS SECTIONS, APPLY TO THIS SECTION.

1.2 ELECTRICAL GENERAL PROVISIONS

A. FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, ACCESSORIES, ETC., REQUIRED FOR A COMPLETE ELECTRICAL SYSTEM IN ACCORDANCE WITH DRAWINGS, TOGETHER WITH THIS SPECIFICATIONS.

B. ELECTRICAL CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES AND EQUIPMENT SUPPLIERS.

C. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF NATIONAL ELECTRICAL CODE (NEC), STATE OF NEVADA CODES, AND SPARKS CITY ORDINANCES.

D. ALL ELECTRICAL EQUIPMENT SHALL BE NEW AND UL LISTED.

E. CONTRACTOR SHALL ASSURE THAT ALL ELECTRICAL DEVICES SCHEDULED TO REMAIN, IN OR ADJACENT TO AREAS OF WORK, REMAIN ENERGIZED AND SHALL RECONNECT ANY DEVICES ISOLATED BY DEMOLITION WORK.

F. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL BUILDING AND WORKING PERMITS AND INSPECTION FEES REQUIRED FOR THIS PROJECT.

1.3 WORK NOT INCLUDED IN THIS SECTION

A. PAINTING.
B. STAGE LIGHTING EQUIPMENT.

1.4 SHOP DRAWINGS

A. CONTRACTOR SHALL SUBMIT 5 COPIES OF DATA ON THE FOLLOWING ITEMS FOR APPROVAL PRIOR TO START OF WORK:

1. LIGHT FIXTURES.

PART 2 - PRODUCTS

2.1 MATERIALS AND EQUIPMENT

A. BRANCH CIRCUIT WIRE: USE COPPER, 600 VOLT, TYPE TW, THHN OR THWN, SOLID TO SIZE #8 AWG.

B. WIRE CONNECTORS: USE "SCOTCH-LOK" OR EQUAL, INSULATED SPRING CONNECTORS FOR WIRE SIZES UP TO #8 AWG.

C. RACEWAYS:

1. USE RIGID GALVANIZED STEEL (RGS) IN ALL AREAS.
2. USE ELECTRICAL METALLIC TUBING (EMT) INDOORS, CONCEALED OR EXPOSED WHERE PROTECTED.
3. USE FLEXIBLE METALLIC STEEL ONLY WHERE APPROVED BY OWNER.

D. JUNCTION AND OUTLET BOXES: USE 16-GAUGE STAMPED, GALVANIZED STEEL WITH SCREW COVERS, SIZED PER NEC, IN CONCEALED LOCATIONS ONLY. USE CAST METALLIC WITH SCREW HUBS AND GASKETED SCREW COVERS, SIZED PER NEC IN EXPOSED LOCATIONS.

E. PULL BOXES: SHALL BE CODE GAUGE STEEL WITH SCREW COVERS AND GRAY ENAMEL FINISH. SIZE PER NEC AND USE NEMA 1 OR NEMA 3R AS REQUIRED.

F. CONDUIT FITTINGS: RGS FITTINGS SHALL BE GALVANIZED N.P.T. TYPE. USE INSULATED BUSHING WHERE TERMINATING IN BOXES. EMT FITTINGS SHALL BE INSULATED COMPRESSION TYPE. PVC FITTINGS SHALL BE ONE-PIECE, SLIP TYPE WITH APPROVED SOLVENT.

G. LAMPS: PROVIDE LIGHTING FIXTURES OF SIZES, TYPE, AND RATINGS INDICATED, COMPLETE WITH BUT NOT NECESSARILY LIMITED TO: HOUSINGS, LAMPS, LAMP HOLDERS, REFLECTORS, BALLASTS, STARTERS, AND WIRING.

H. BALLASTS:

1. EXTERIOR LIGHTING DRIVERS.:

A. PROVIDE LED LAMP DRIVERS OF THE RATING, TYPE AND MAKE AS RECOMMENDED BY THE LAMP MANUFACTURER, WHICH MATCH THE DESIGNED LAMPS.

PART 3 - EXECUTION

3.1 INSTALLATION

A. ALL WIRING SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OR APPROVED BY ENGINEER.

B. PROVIDE ALL REQUIRED SUPPORTS AND HANGERS FOR ELECTRICAL EQUIPMENT AND RACEWAYS. DO NOT SUPPORT CONDUITS FROM DUCTWORK.

C. ALL FIXTURES AND OUTLETS SHALL BE INSTALLED STRAIGHT AND PLUMB, PARALLEL OR AT RIGHT ANGLES TO WALLS AS INDICATED ON DRAWINGS.

D. INSTALL PULL WIRES IN ALL UNUSED RACEWAYS.

3.2 TESTING

A. CONTRACTOR SHALL TEST ALL CIRCUITING TO ASSURE ALL CIRCUITS ARE FREE OF SHORTS AND GROUNDS.

B. CONTRACTOR SHALL TEST ALL ELECTRICAL EQUIPMENT FOR THE OWNER TO DEMONSTRATE SYSTEMS WORK AS INTENDED.

3.3 GUARANTEE/ WARRANTY

A. THE CONTRACTOR SHALL WARRANTY ALL ELECTRICAL EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE

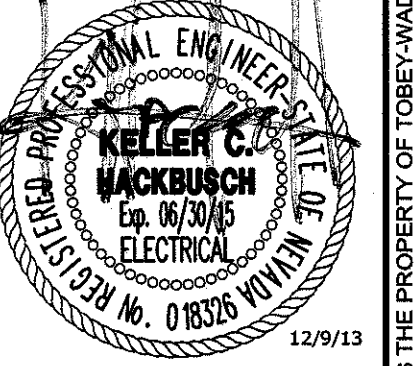
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ELECTRICAL SPECIFICATIONS
VICTORIAN AMPHITHEATER PROJECT

PREPARED FOR
 CITY OF SPARKS
 WASHOE COUNTY
 NEVADA

SHEET REVISIONS		
NO.	DESCRIPTION/DATE	BY



JOB NO.	R125-13-13
DESIGNED	MWB
DRAWN	MWB
CHECKED	ERG
DATE	DECEMBER, 09 2013
PLAN SET REVISION	0

E0.2

OF SHEETS

Drawn: 2013.12.09
 Checked: 2013.12.09
 Title: 2013.12.09

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SHEET NOTE:
 1 REPLACE UNDER ADD ALT#1 USING THE B/40 FIXTURE.
 2 CIRCUITS AS PER AS-BUILT DRAWINGS.

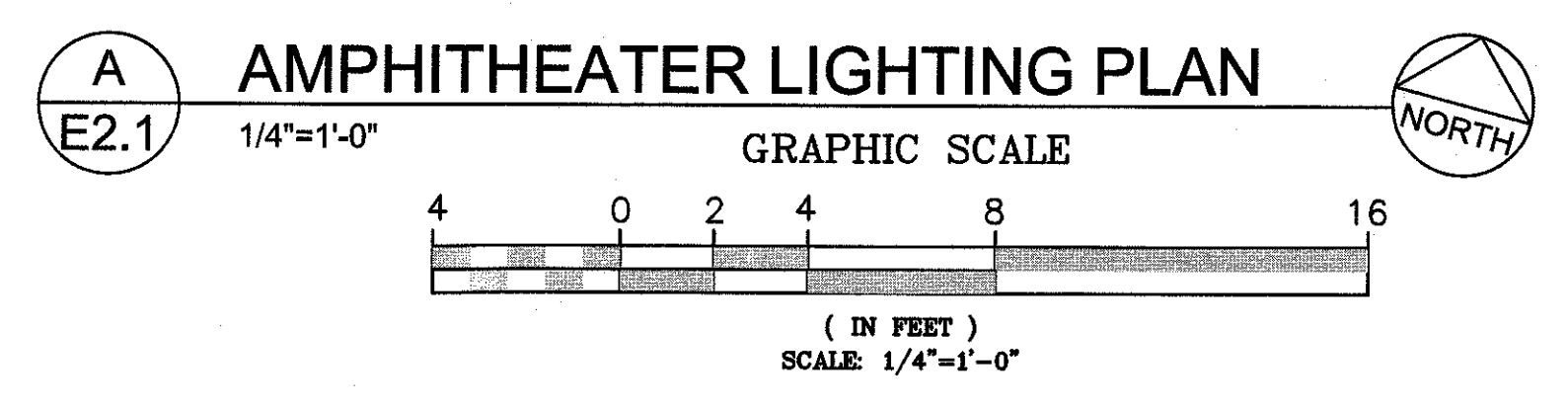
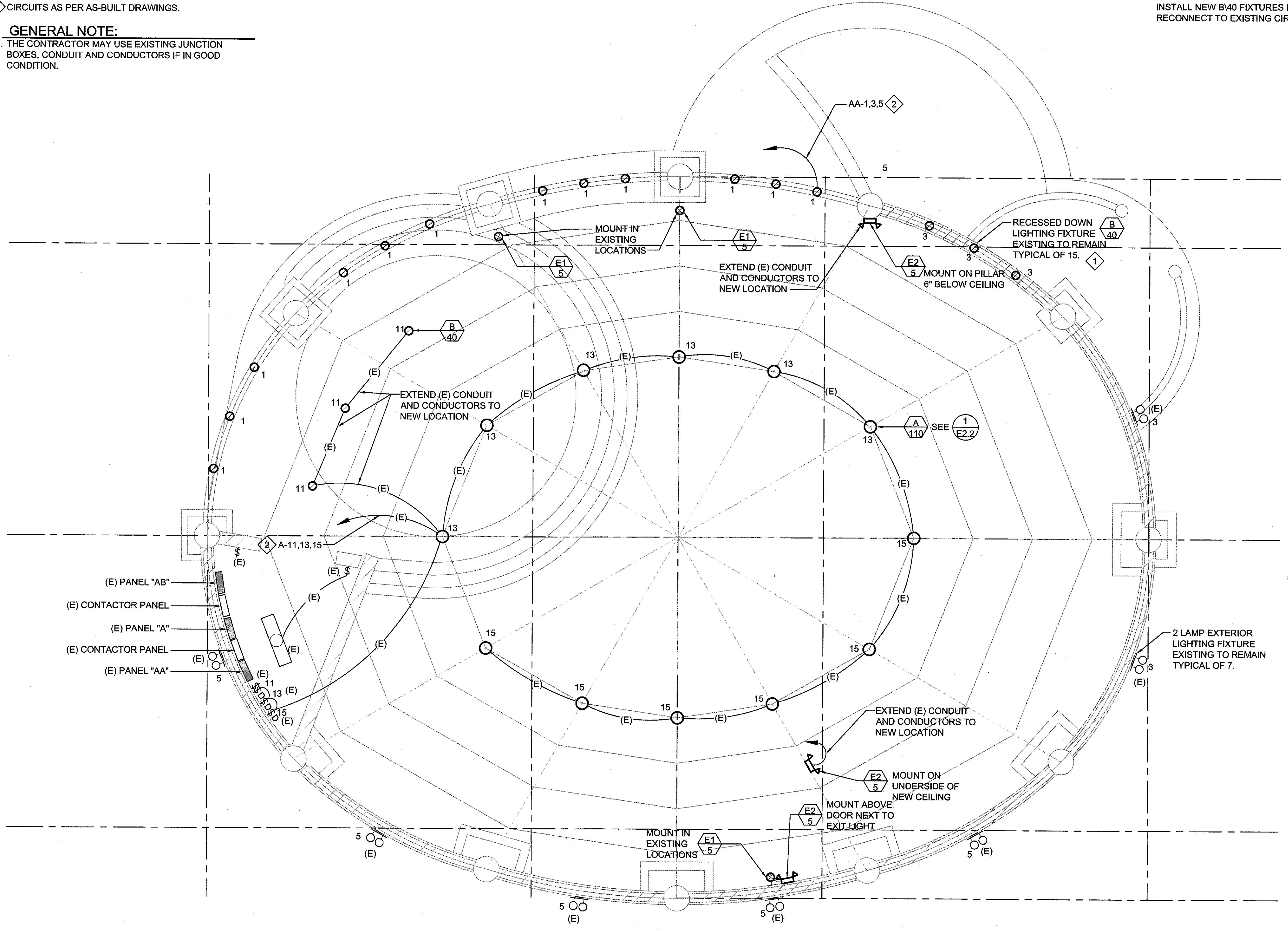
GENERAL NOTE:
 1. THE CONTRACTOR MAY USE EXISTING JUNCTION BOXES, CONDUIT AND CONDUCTORS IF IN GOOD CONDITION.

ADD ALTERNATE #1:
 1. REMOVE EXISTING RECESSED LIGHT FIXTURES LOCATED IN CONCRETE BEAM BETWEEN COLUMNS. INSTALL NEW B/40 FIXTURES IN SAME LOCATION RECONNECT TO EXISTING CIRCUITS.

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AMPHITHEATER LIGHTING PLAN
VICTORIAN AMPHITHEATER PROJECT
 PREPARED FOR
 CITY OF SPARKS
 WASHOE COUNTY
 NEVADA



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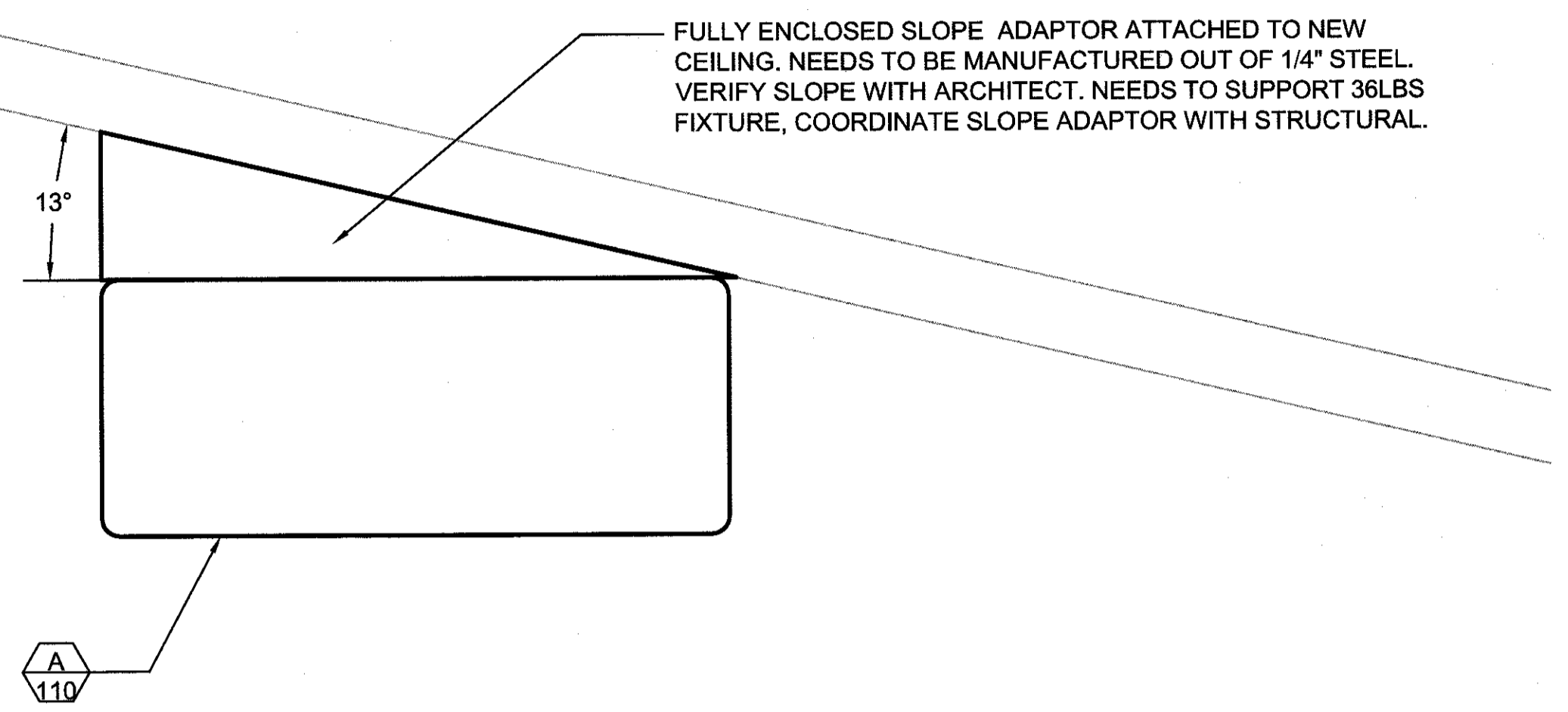
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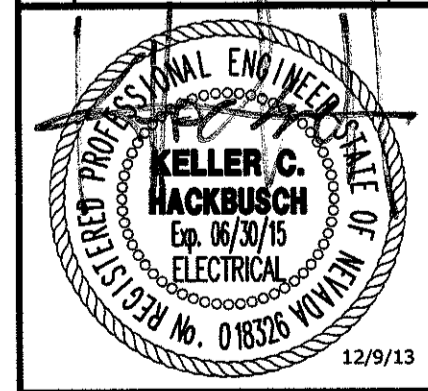
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1
 E2.2 FIXTURE A MOUNTING DETAIL
 NTS

ELECTRICAL DETAILS
VICTORIAN AMPHITHEATER PROJECT
 PREPARED FOR
 CITY OF SPARKS
 WASHOE COUNTY
 SPARKS
 NEVADA

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