

BRIGHAM YOUNG UNIVERSITY

SAB GOLF CART CANOPY PARKING ADVANCEMENT VP - ATHLETICS

STUDENT ATHLETE BUILDING SITE- NORTHWEST CORNER

ABBREVIATIONS

&	And	FIN.	Finish
L	Angle	FLR.	Floor
@	At Centerline	FLUOR.	Fluorescent
~	Diameter or Round	FURN.	Furnish, Furnished
·	Square Feet	GA.	Gauge
	Perpendicular	GYP.	Gypsum
#	Pound, Number	HDWD.	Hardwood
(E)	Existing	HWDR.	Hardware
AC	Air Conditioning	HORIZ.	Horizontal
ACC.	Access	HT.	Height
ACOUS.	Acoustical	HVAC	Heating Ventilating & A/C
ADD.	Addendum	INSUL.	Insulation
ADD'L	Additional	L	Length
A.F.F.	Above Finished Floor	MATL.	Material
ALUM.	Aluminum	MAX.	Maximum
ALT.	Alternate	MECH.	Mechanical
APPROX.	Approximate	MANUF.	Manufacturer
ARCH.	Architect(ural)	MIR.	Mirror
AVG.	Average	MISC.	Miscellaneous
BD.	Board	MTL.	Metal
BET.	Between	N.I.C.	Not In Contract
BF.	Board Feet	NO.	Number
BITUM.	Bituminous	N.T.S.	Not To Scale
BLDG.	Building	O.C.	On Center(s)
BLKG.	Blocking	OP'NG	Opening
CAB.	Cabinet	OPP.	Opposite
CHAM.	Chamfer	O.T.S.	Open To Structure
CL	Centerline	P-LAM.	Plastic Laminate
CLG.	Ceiling	PLBG.	Plumbing
CLR.	Clear(ance)	PLYWD.	Plywood
CMU	Concrete Masonry Unit	PREFAB.	Prefabricate
COL.	Column	PREFIN.	Prefinished
CONC.	Concrete	P.S.F.	Pounds per Square Foot
CONSTR.	Construction	P.S.I.	Pounds per Square Inch
CONT.	Continuous	QTY.	Quantity
CONTR.	Contractor	RAD.	Radius
DBL	Double	REQD.	Required
DEMO.	Demolish, Demolition	RESIL.	Resilient
DIA.	Diameter	SPECS.	Specifications
DIM.	Dimension	SQ.	Square
DN.	Down	S.S.	Stainless Steel
DR.	Door	STD.	Standard
DET.	Detail	STL.	Steel
DWG.	Drawing	TYP.	Typical
EA.	Each	T.O.	Top of
ELEC.	Electric(al)	VAT.	Vinyl Asbestos Tile
ELEV.	Elevation	VCT.	Vinyl Composition Tile
EQ.	Equal	VERT.	Vertical
EQUIP.	Equipment	W/O	Without
EST.	Estimate	SCHED.	Schedule
EXIST.	Existing	SIM.	Similar

NOTE: SEE OTHER CONSULTANT DRAWINGS FOR ADDITIONAL ABBREVIATION INFORMATION



GENERAL NOTES

- GENERAL CONTRACTOR SHALL TAKE NECESSARY ACTIONS TO PROTECT EXIST. CONDITIONS SURROUNDING EACH SITE INCLUDING BUILDINGS, SITE ELEMENTS, AND VEGETATION.
- GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND FABRICATION OF CANOPIES.
- CONTRACTOR SHALL BE AWARE THAT OWNER WILL OCCUPY SURROUNDING BUILDINGS DURING CONSTRUCTION AND WILL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER.
- CONTRACTOR SHALL PROVIDE TEMP. LIGHTING AS NECESSARY DURING CONSTRUCTION.
- TESTING AND SPECIAL INSPECTIONS WILL BE PROVIDED AS DEEMED NECESSARY BY OWNER. GENERAL CONTRACTOR TO COORDINATE WITH OWNER ON SCHEDULING PROVIDE NECESSARY ARRANGEMENT FOR TESTING TO OCCUR.



FACILITIES PLANNING

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DATE: 03.12.2025
DESIGNER: J. PALMER
DRAWN BY: JP

ADA CHECK: _____
CODE CHECK: _____
STRUCTURAL: _____
ENGINEERING: _____
PLANNING DIR: _____

CLIENT APPROVAL DATE

REVISIONS

DRAWING INDEX

GENERAL:
G0.0 COVER SHEET
G0.1 CANOPY CAMPUS LOCATION PLAN
G0.2 BUILDING SHELTER DIMENSIONAL CONTROL PLANS

CIVIL:
~~C1.0 SAB GOLF CART SITE~~ NOT APPLICABLE - REMOVED FROM SET

STRUCTURAL:
SE-001 GENERAL NOTES & 3D RENDERING
SE-111 FRAMING PLANS

ARCHITECTURAL:
A1.0 CANOPY SHELTER - TYPICAL DRAWINGS

ELECTRICAL:
E.1.0 ELECTRICAL SITE PLAN

BRIGHAM YOUNG
UNIVERSITY
SAB GOLF CART CANOPY PARKING
ADVANCEMENT VP - ATHLETICS
STUDENT ATHLETE BUILDING SITE- NORTHWEST CORNER



COVER SHEET

WORK ORDER & SHEET NO.

**M8678
G0.0**

CONSTRUCTION DOCUMENTS

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CLIENT APPROVAL _____ DATE _____

REVISIONS

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 UNIVERSITY
 SAB GOLF CART CANOPY PARKING
 ADVANCEMENT VP - ATHLETICS
 STUDENT ATHLETE BUILDING SITE - NORTHWEST CORNER

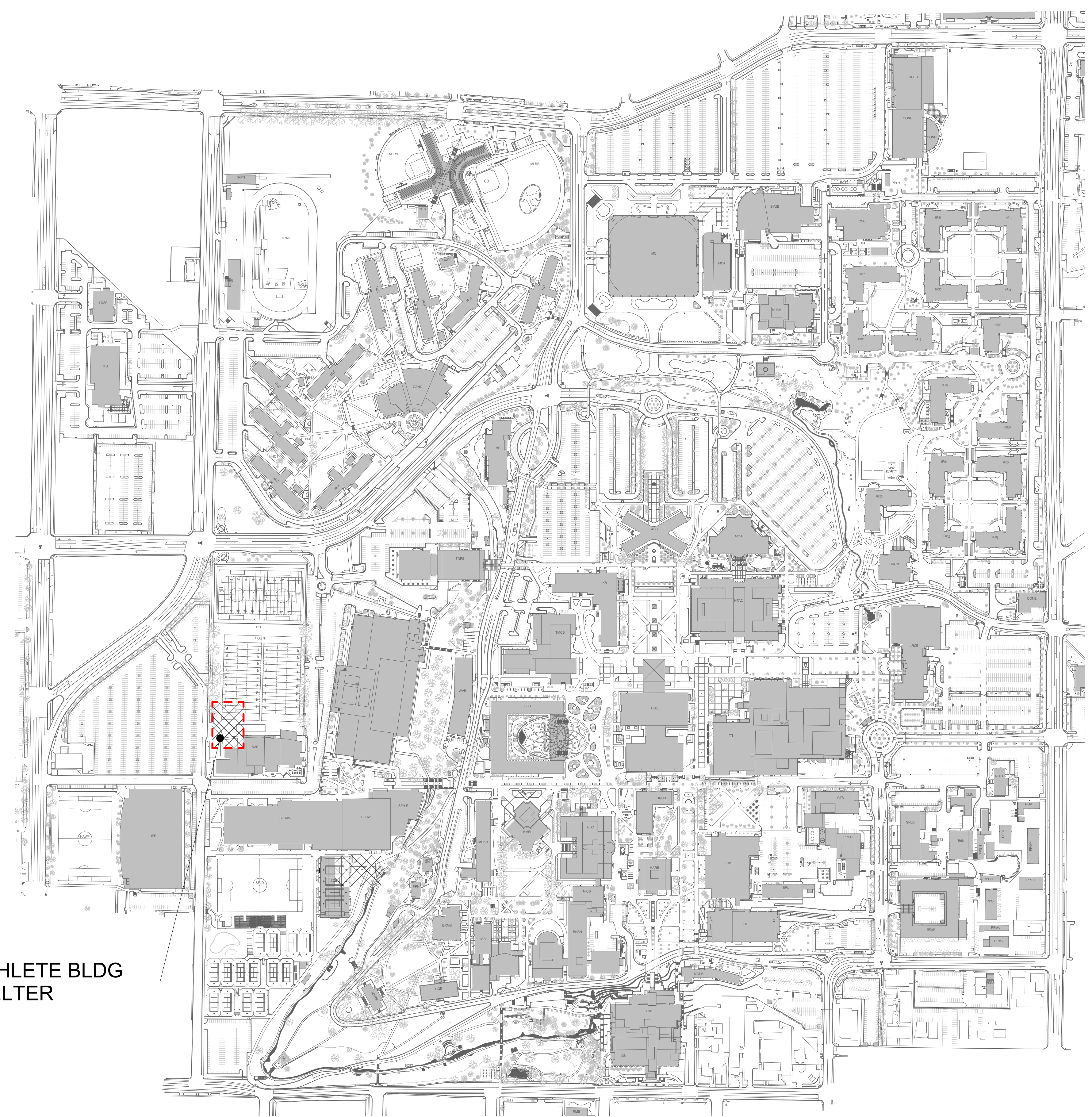


CAMPUS LOCATION
 PLAN

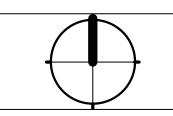
WORK ORDER & SHEET NO.

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G0.1

CONSTRUCTION DOCUMENTS

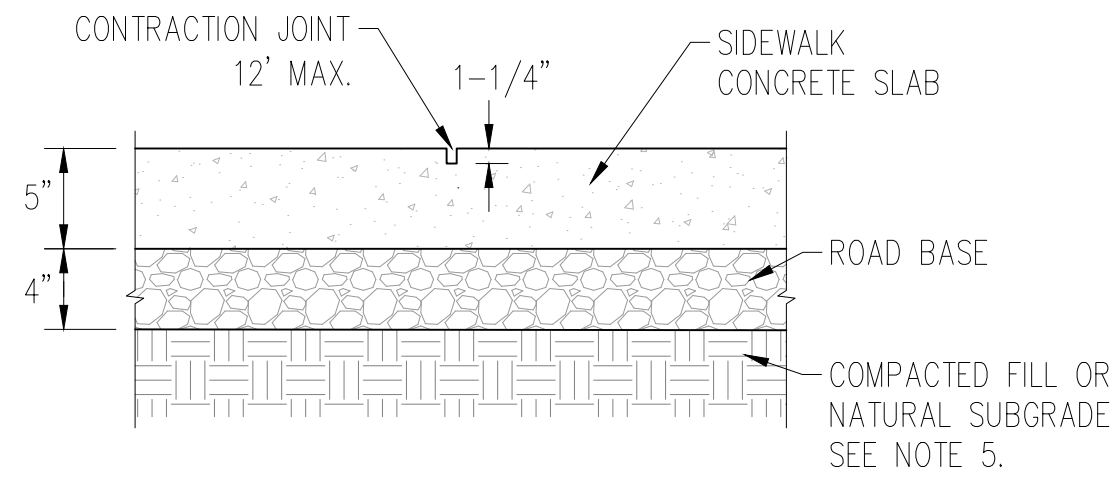


STUDENT ATHLETE BLDG
 (NORTH) SHELTER

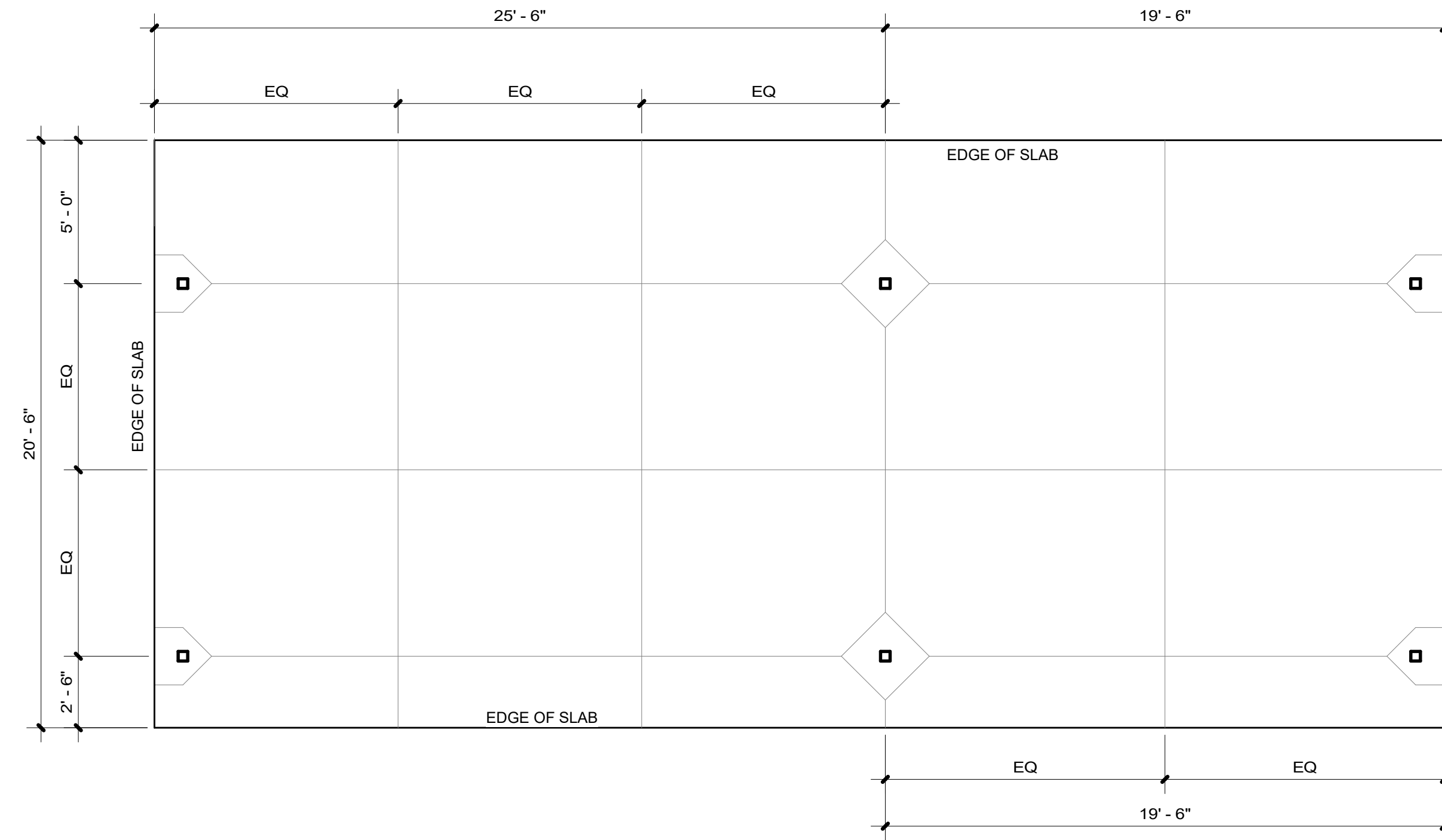


BIKE CANOPY LOCATIONS
 SCALE: 1" = 250'-0"

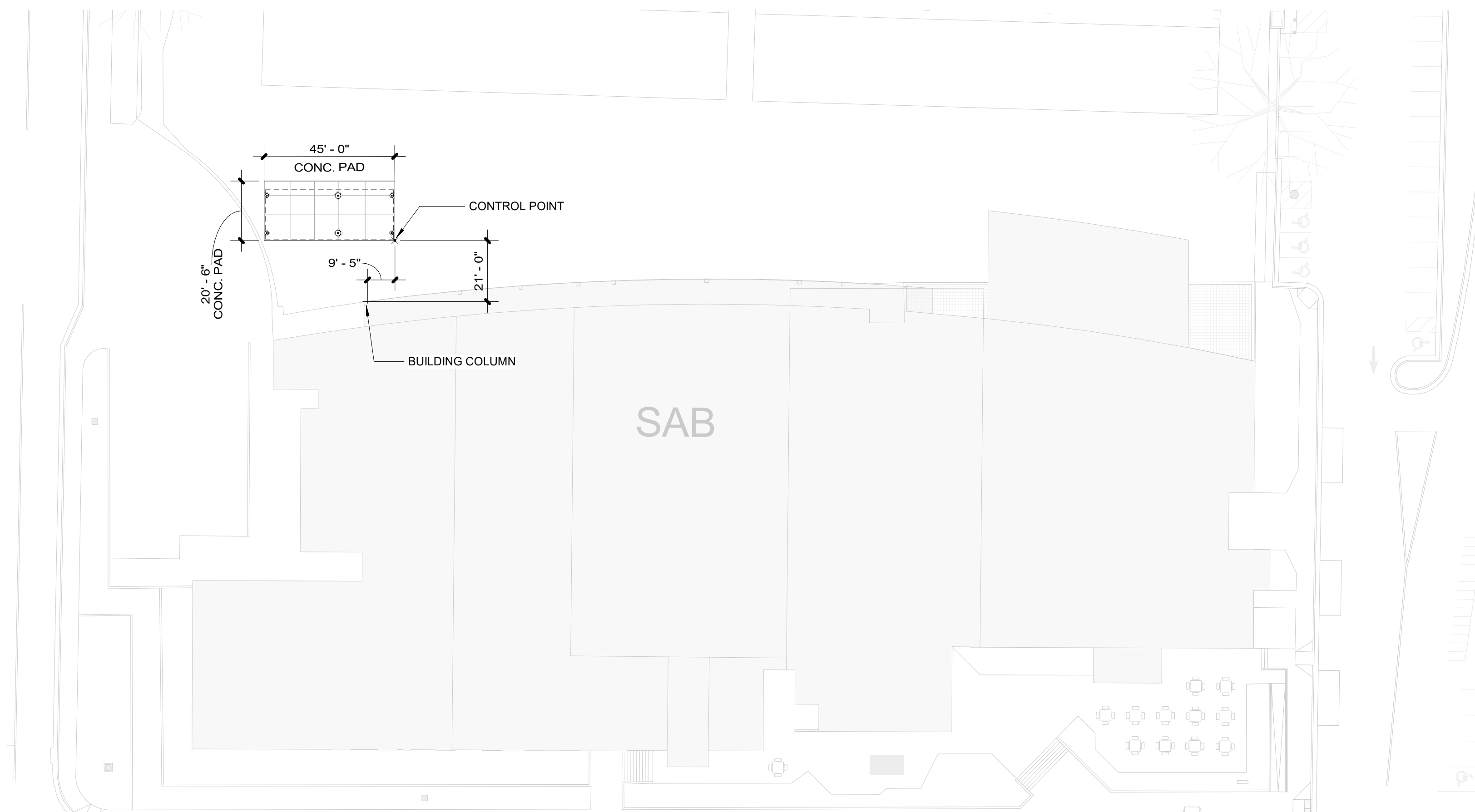
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- NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4500 PSI CONCRETE.
 2. PLACE SCORE LINES AS OUTLINED ON SHEET G0.2.
 3. EDGE SIDEWALK WITH 1/2" RADIUS EDGING TOOL.
 4. FINISH CONCRETE WITH MEDIUM BROOM FINISH.
 5. SCARIFY AND RECOMPACT UPPER 8" OF NATURAL SUBGRADE TO 95% PER ASTM D1557.
 6. ROADBASE TO MEET SPECIFICATION OF UDOT CLASS A AGGREGATE UNTREATED BASE COURSE. COMPACT TO 95% OF MAXIMUM DRY DENSITY.
 7. CONCRETE TO BE SUPPLIED BY GENEVA ROCK OR JACK B. PARSON/STAKER PARSON TO MEET THE FOLLOWING SPECIFICATIONS: 6.5-BAG MIX, 4500 PSI, MAX 45% WATER-CEMENT RATION, 6% AIR CONTENT (+/- 1.5%), 3-INCH SLUMP (+/- 1 INCH).
 8. FORM HEIGHT SHOULD EXCEED CONCRETE DIMENSION. NO 2x4 FORMING IS ALLOWED FOR 5" CONCRETE CONSTRUCTION.
 9. APPLY WATERBORNE MEMBRANE-FORMING CURING COMPOUND TO CONCRETE AFTER PLACING & FINISHING CONCRETE.
 10. APPLY PENTRA-SHIELD OR PENTRA-SIL (244+) SURFACE HARDENER TO BE APPLIED TO ALL EXTERIOR FLATWORK AT LEAST 7 DAYS AFTER PLACEMENT & AFTER REMOVING CURING COMPOUND AT MANUFACTURER'S RECOMMENDED RATES.
 11. DO NOT PERMIT VEHICULAR TRAFFIC OVER PAVEMENT FOR 7 DAYS MINIMUM AFTER FINISHING.



CONTROL JOINT LAYOUT 2
SCALE: 1/4" = 1'-0"



SAB GOLF CART CONTROL PLAN 1
SCALE: 1" = 30'-0"

REFERENCE NOTES



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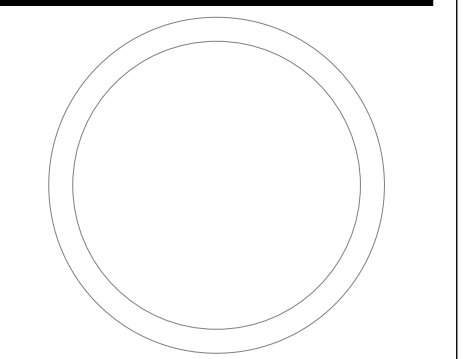
DATE: 12.10.24
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REVISIONS

BRIGHAM YOUNG
UNIVERSITY
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ADVANCEMENT VP - ATHLETICS
BYU CAMPUS



**BLDG SHELTER
DIMENSIONAL
CONTROL PLANS**

WORK ORDER & SHEET NO.

**M8678
G0.2**

CONSTRUCTION DOCUMENTS

STRUCTURAL GENERAL NOTES

Table with 2 columns: Item description and value. Includes governing building code, load combinations, gravity design, roof live load, wind design, and seismic design.

GENERAL
1. THE GENERAL CONTRACTOR SHALL BECOME FAMILIAR WITH ALL PORTIONS OF THE CONTRACT DOCUMENTS AND INSURE THAT ALL SUBCONTRACTORS ARE FAMILIAR WITH THESE PORTIONS PERTAINING TO THEIR AREA OF WORK.

CONCRETE
1. CODES AND STANDARDS
A. CONCRETE CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL CONFORM WITH THE AMERICAN CONCRETE INSTITUTE (ACI) EDITIONS AS FOLLOWS:

MATERIALS
1. CEMENT SHALL CONFORM TO ASTM C150, PORTLAND CEMENT.
I. USE TYPE I OR II FOR EXPOSURE CLASS S3
II. USE TYPE I FOR EXPOSURE CLASS S1
III. USE TYPE IV FOR EXPOSURE CLASS S2 AND S3

CONSTRUCTION
A. CONCRETE SHALL BE PROPERLY VIBRATED DURING PLACEMENT.
B. PRIOR TO PLACING CONCRETE, CHECK WITH ALL TRADES TO INSURE PROPER PLACEMENT OF OPENINGS, BLOCK OUTS, SLEEVES, CURBS, CONDUITS, BOLTS, INSERTS, EMBEDS, DOWELS, ETC. ANCHOR BOLTS AND DOWELS SHALL BE PLACED PRIOR TO CASTING CONCRETE.

CONCRETE MIX DESIGN TABLE
Table with 7 columns: TYPE OF MEMBER, MIN STRENGTH @ 28 DAYS (PSI), MAX. W/C RATIO, DRY WEIGHT (PCF), MAX AGGREGATE SIZE (INCHES), AIR ENTRAINMENT (%), MIN CEMENT PER YARD (LBS), EXPOSURE CLASS.

FOOTINGS
A. FOOTINGS SHALL BEAR ON PROPERLY PREPARED MATERIAL. SEE THE SITE PREPARATION NOTES.
B. FOOTINGS SHALL BE CENTERED BELOW THE WALL AND/OR COLUMN ABOVE, TYPICAL UNLESS NOTED OTHERWISE.

REINFORCING STEEL
1. CODES AND STANDARDS
A. REINFORCING STEEL SHALL CONFORM WITH CONCRETE REINFORCING STEEL INSTITUTE 'MANUAL OF STANDARD PRACTICE'.

MATERIALS
1. REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS AND SHALL CONFORM TO ASTM A615, GRADE 60, WITH A DESIGN YIELD STRENGTH OF 60,000 PSI, EXCEPT AS NOTED BELOW.

CONSTRUCTION
A. REINFORCING STEEL SHALL BE DETAILED, BOLTERED, AND SUPPORTED PER ACI 315.
B. REINFORCING STEEL SHALL BE FREE OF LOOSE FLAKY RUST, SCALE, GREASE, OIL, DIRT, AND OTHER MATERIALS WHICH MIGHT AFFECT OR IMPAIR BOND.

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH OR WEATHER.
I. 3" #4 AND LARGER
II. 2" #4 AND SMALLER
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
I. 3/4" SLABS AND WALLS #11 AND SMALLER
II. CENTER OF SLAB

STEEL DECK
1. PRODUCT
A. STEEL DECK SHALL BE SIZE AND GAUGE AS SPECIFIED ON PLANS.
B. STEEL DECK AND ACCESSORIES SHALL BE MANUFACTURED FROM COLD ROLLED STEEL CONFORMING TO ASTM A653 (GALVANIZED G-60), OR ASTM A611, GRADE C (PAINTED), AND SHALL CONFORM TO THE STEEL DECK INSTITUTE (SDI) AND ASSC STANDARDS.

ATTACHMENT AND HANDLING
A. WELDING PATTERN SHALL BE AS SPECIFIED ON PLAN.
B. WELD METAL DECK TO SUPPORTING FRAMING MEMBERS WITH E60XX OR E70XX ELECTRODES.
C. PUDDLE WELDS SHALL HAVE A FUSION AREA OF NOT LESS THAN 3/4" DIAMETER AT THE UPPER SURFACE. WELD METAL SHALL PENETRATE ALL LAYERS OF THE DECK MATERIAL AND SHALL HAVE PROPER FUSION TO THE SUPPORTING MEMBERS.

CONSTRUCTION
A. END LAPS SHALL OVERLAP AT LEAST 2" AND SHALL OCCUR OVER A SINGLE STEEL SUPPORT.
B. PUDDLE WELDS SHALL OCCUR AT LEAST 1" AWAY FROM EITHER END OF DECK.
C. WELDS SHALL HAVE THE SLAG REMOVED.
D. WELDS SHALL HAVE THE SLAG REMOVED.
E. FULL PENETRATION WELDS, SHOP OR FIELD, SHALL HAVE BACKER BARS REMOVED, BE BACK GROUTED, AND REWELDED PER AWS TO HAVE FULL PENETRATION WELD.

STRUCTURAL STEEL
1. CODES AND STANDARDS
A. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL COMPLY WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS' (AISC 360-10) WITH 'COMPLEMENTARY' AISC 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES' (AISC 303-10) EXCLUDING SECTIONS 1.5.1.4, 4.7.3.4 AND 7.13.3.

MATERIALS
A. STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, OTHER STRUCTURAL STEEL SHAPES, PLATES, ANGLES, ETC. SHALL CONFORM TO ASTM A992. RUSSIAN STEEL IS NOT PERMITTED.

CONSTRUCTION
A. FABRICATION SHALL BE DONE IN AN APPROVED FABRICATOR'S SHOP.
B. CAMBER IN BEAMS SHALL BE AS INDICATED ON PLANS.
C. PROVIDE A SHOP COAT OF PAINT ON ALL STEEL ITEMS, EXCEPT AT AREAS OF WELDING AND/OR BOLTING.

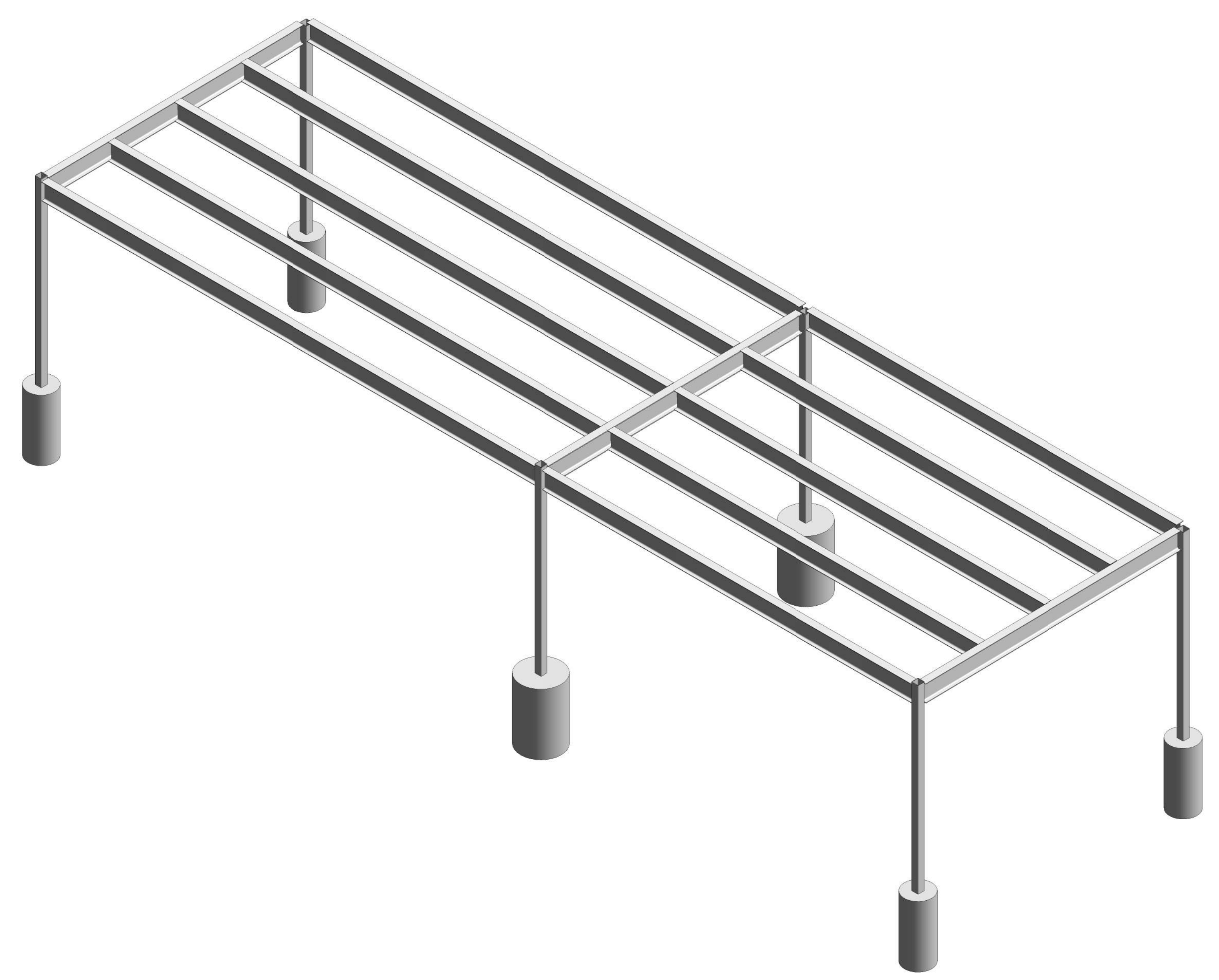
BOLTED CONNECTIONS
A. STEEL TO STEEL BOLTED CONNECTIONS SHALL BE MADE WITH ASTM A325 (A490) HIGH STRENGTH BOLTS AND NUTS, UNLESS NOTED OTHERWISE. BOLTS SHALL CARRY THE IDENTIFYING MARK OF THREE (3) RADIAL LINES.
B. ALL OTHER BOLTED CONNECTIONS SHALL BE MADE WITH BOLTS AND NUTS CONFORMING TO ASTM A307 UNLESS NOTED OTHERWISE.

WELDED CONNECTIONS
A. WELDING AND GAS CUTTING SHALL BE DONE PER AWS.
B. WELDERS SHALL BE CURRENTLY CERTIFIED ACCORDING TO AWS. ALL WELDING PROCEDURES SHALL BE PRE-QUALIFIED. WELDERS SHALL FOLLOW WELDING PROCEDURES.
C. WELDED CONNECTIONS SHALL BE MADE USING LOW HYDROGEN MATCHING FILLER MATERIAL ELECTRODES, UNLESS NOTED OTHERWISE.

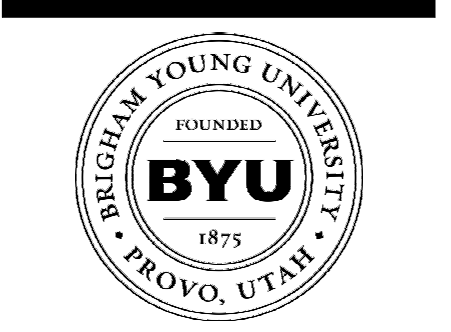
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3D VIEWS ARE FOR REFERENCE ONLY. CONSULT PLANS AND DETAIL SHEETS FOR FRAMING SPECIFICATIONS AND CONNECTION CONFIGURATIONS.



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CLIENT APPROVAL DATE

REVISIONS

Table with 2 columns: Description and Date.

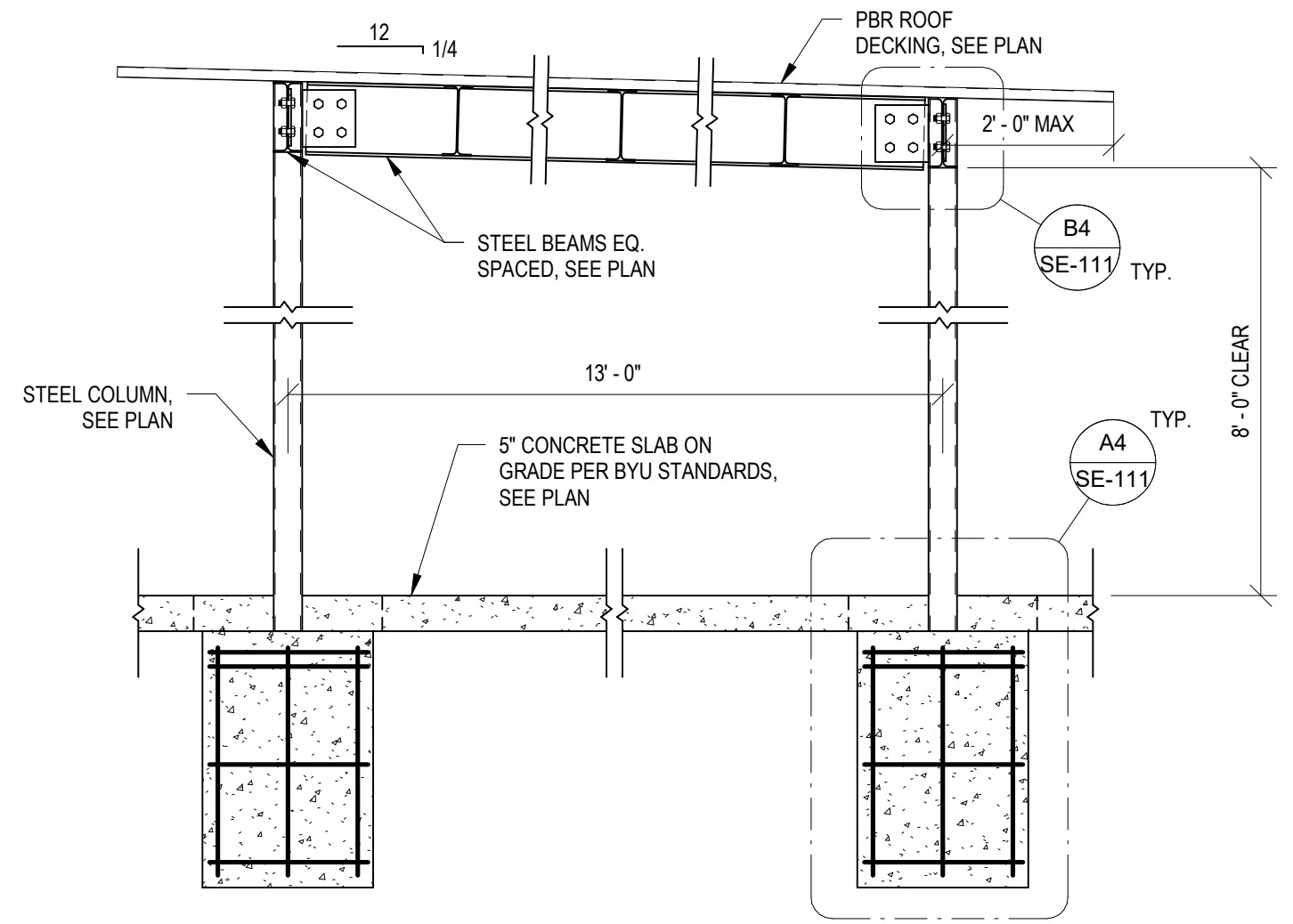
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SAB GOLF CART CANOPY PARKING
ADVANCEMENT VP - ATHLETICS
STUDENT ATHLETE BUILDING SITE - NORTHWEST CORNER



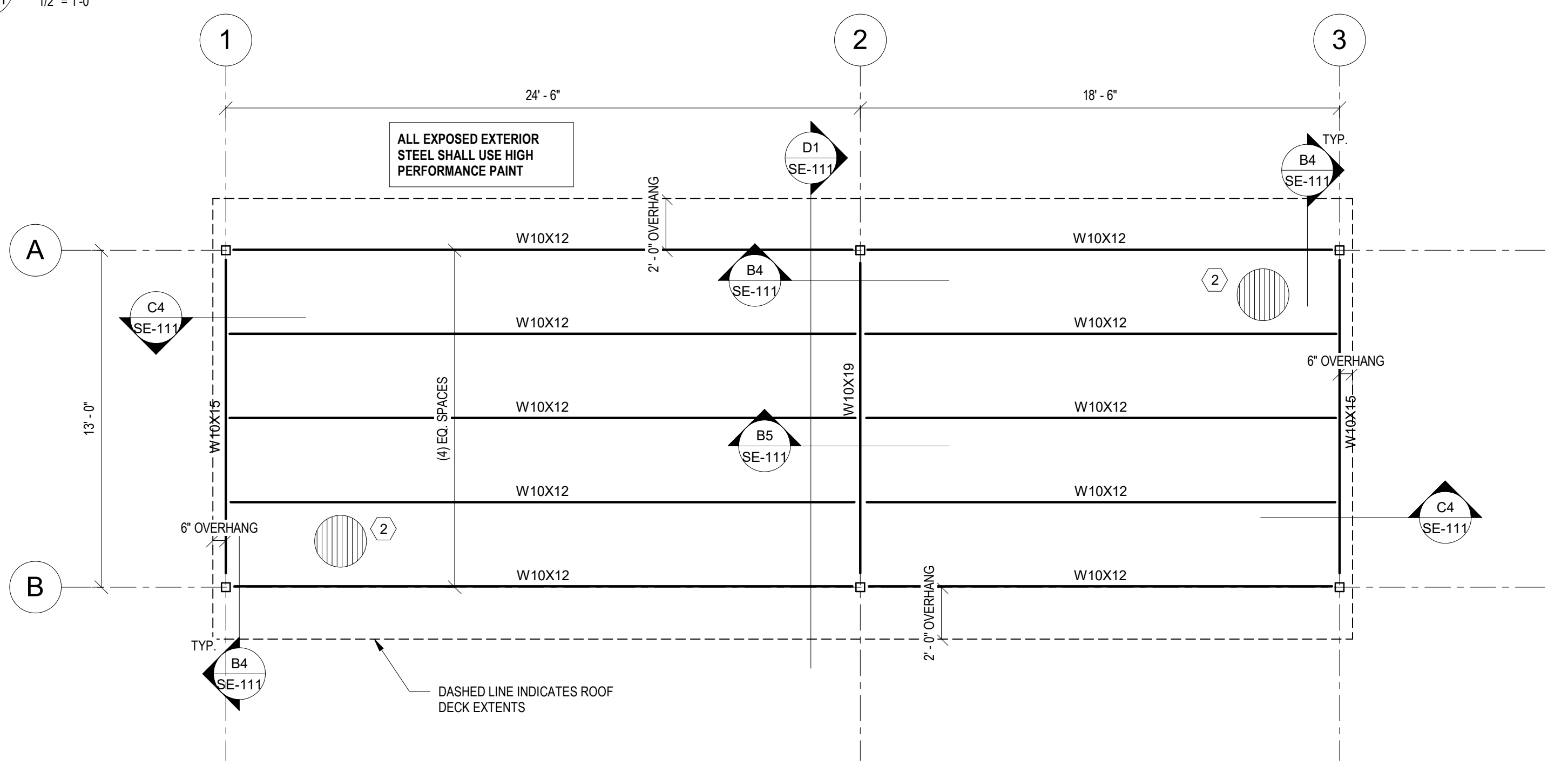
GENERAL NOTES & 3D RENDERING

WORK ORDER & SHEET NO.

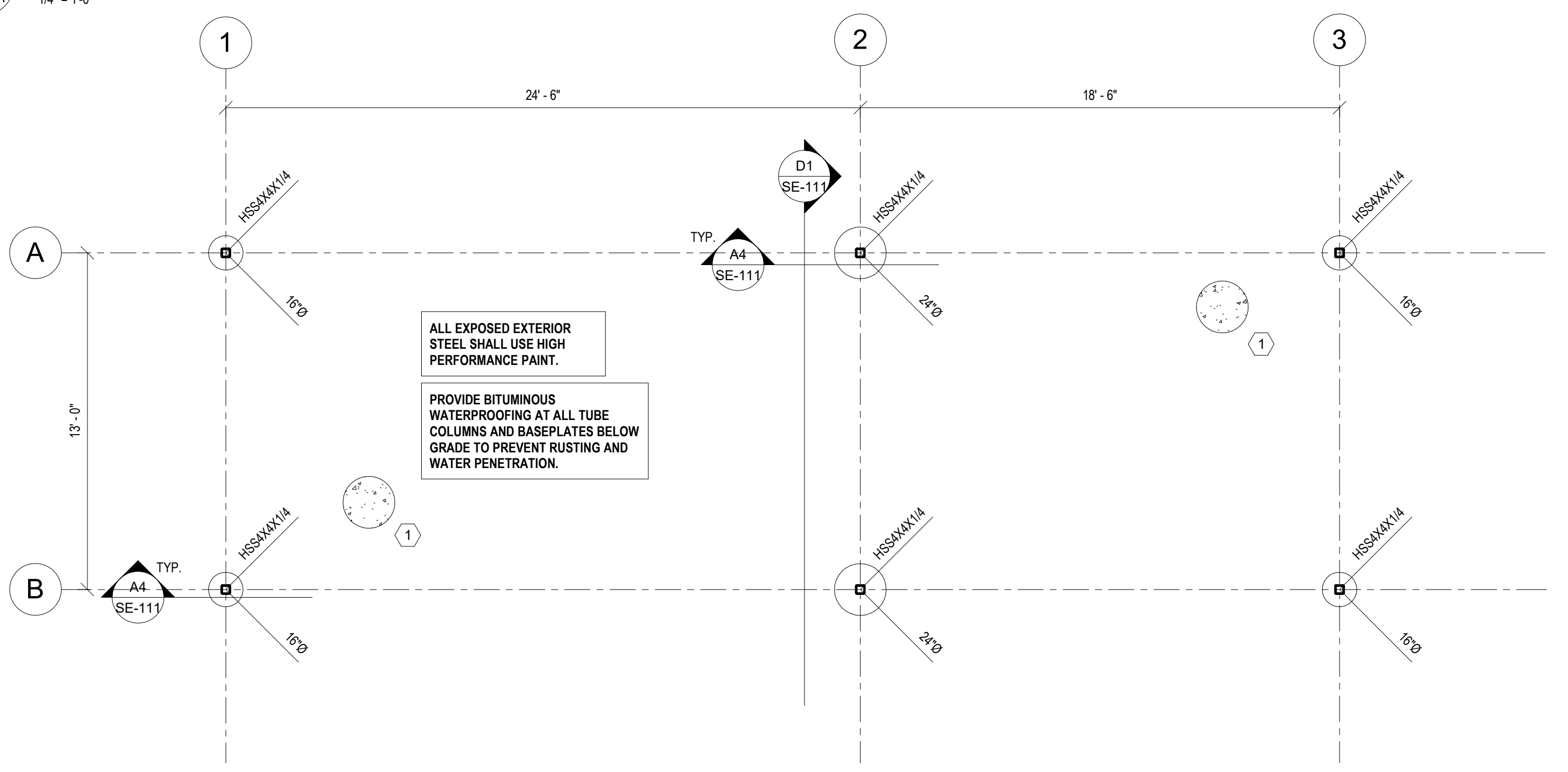
SE-001



D1
SE-111
CANOPY CROSS SECTION
1/2" = 1'-0"



C1
SE-111
ROOF FRAMING PLAN
1/4" = 1'-0"



A1
SE-111
FOUNDATION PLAN
1/4" = 1'-0"

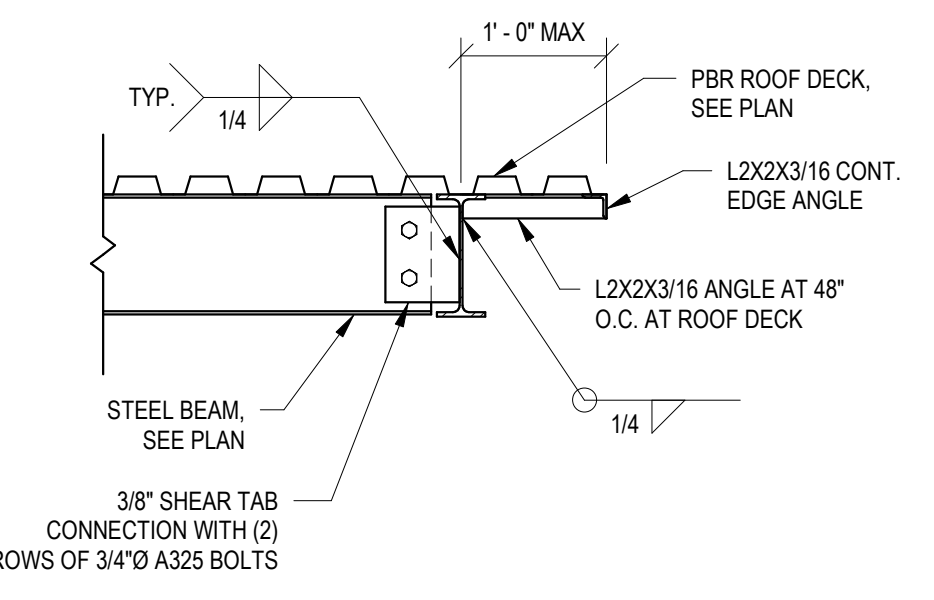
KEYED SHEET NOTES

- INDICATES NOTES ARE KEYED ON PLAN.
- ① NEW 5" CONCRETE SLAB ON GRADE PER BYU STANDARD CONCRETE PAVEMENT
- ② PROVIDE 22 GA. PBR METAL ROOF DECK. ROOF TO SLOPE 1/4" PER 12" AS INDICATED. PROVIDE DRIP EDGE AT LOW SIDE OF ROOF AND EDGE TRIM AT ALL OTHER EDGES.

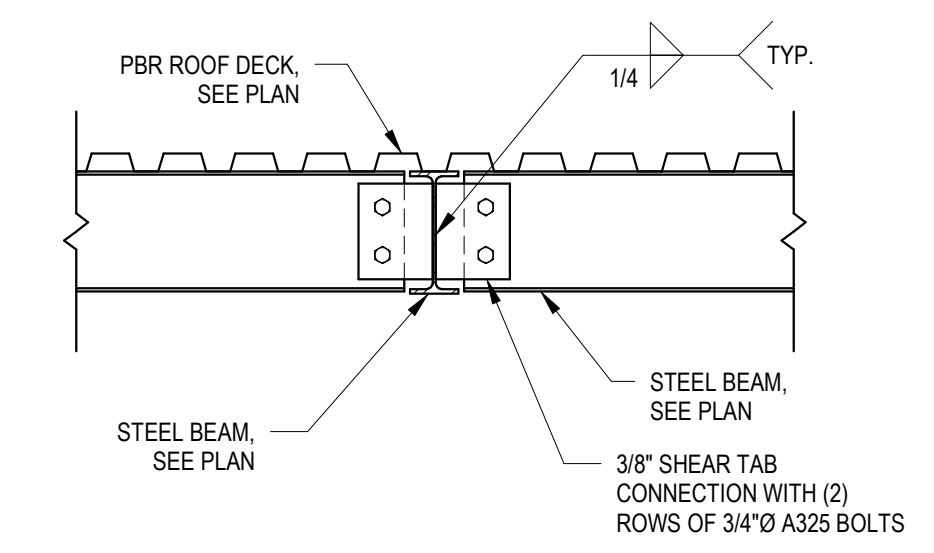
GENERAL SHEET NOTES

- ① SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, TOP OF WALL ELEVATIONS, AND SLOPES AND RECESSES IN FLOOR SLABS. SEE MECHANICAL DRAWINGS FOR DRAINS AND SLAB SLOPES

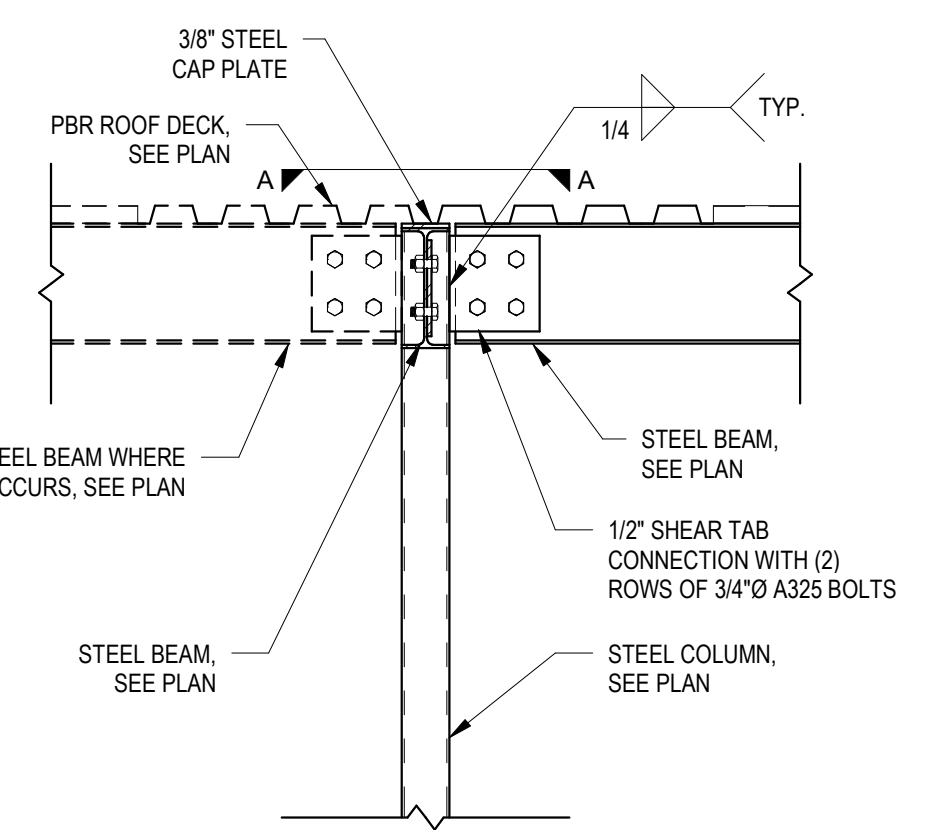
ALL EXPOSED EXTERIOR STEEL SHALL USE HIGH PERFORMANCE PAINT



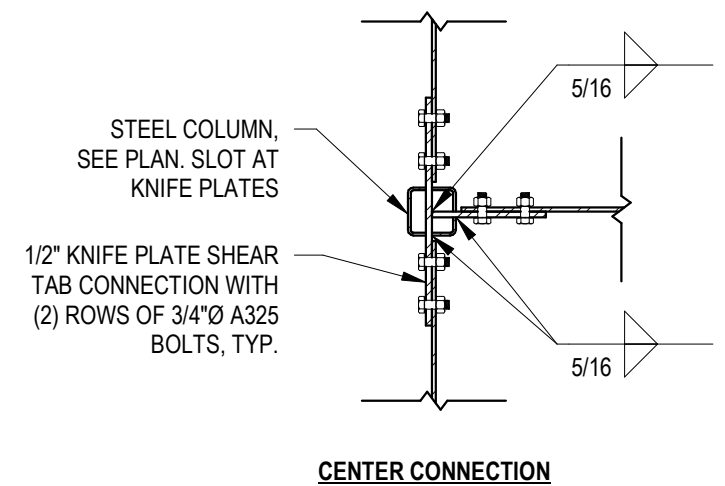
C4
SE-111
ROOF DECK OVERHANG DETAIL
NO SCALE



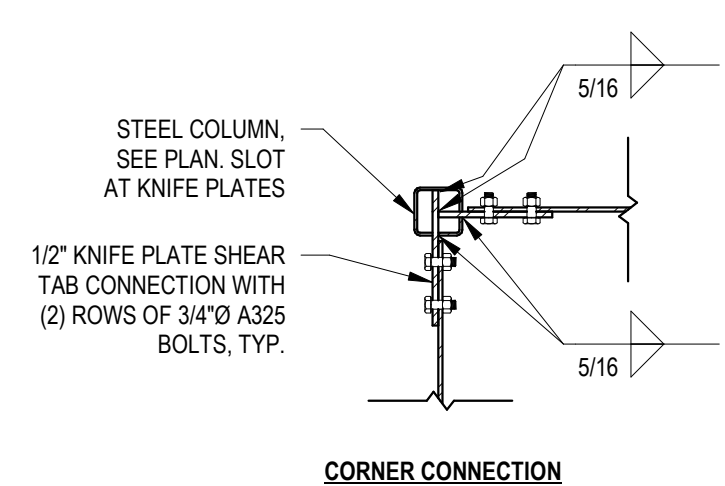
B5
SE-111
TYPICAL STEEL BEAM MIDDLE CONNECTION
NO SCALE



B4
SE-111
ROOF BEAMS CONNECTION TO STEEL COLUMN
NO SCALE

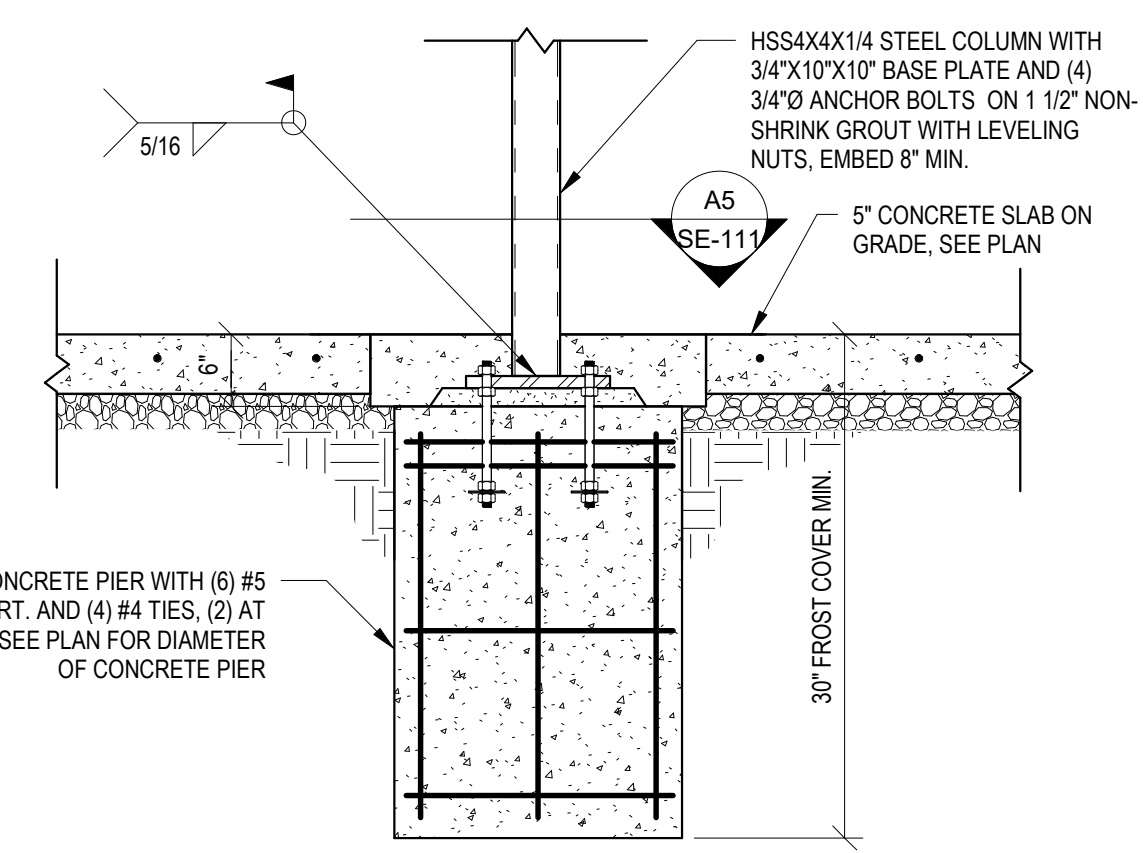


CENTER CONNECTION



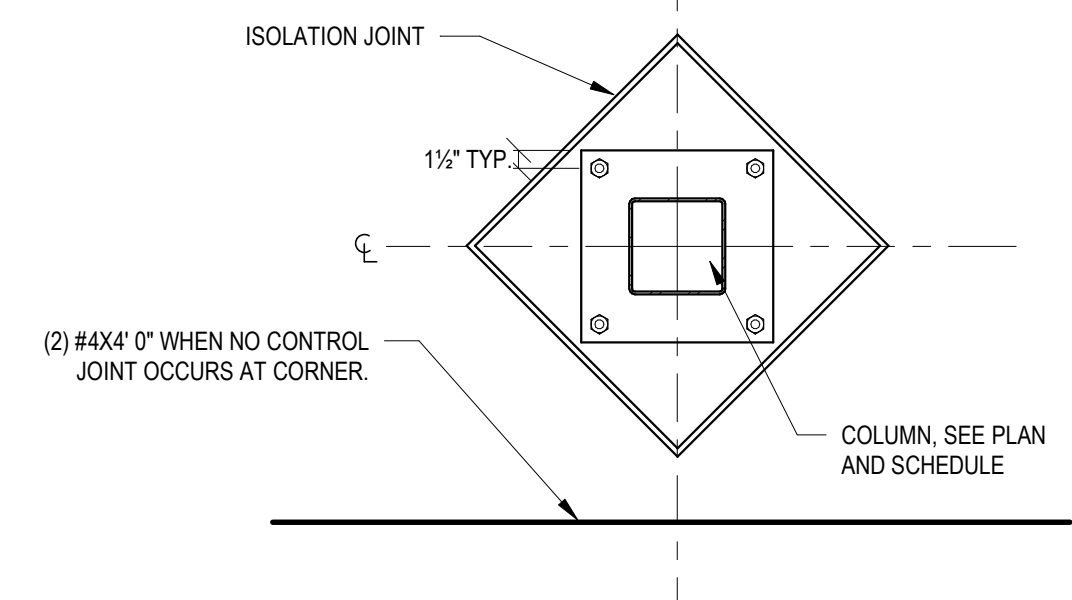
CORNER CONNECTION

VIEW A-A



A4
SE-111
STEEL COLUMN CONNECTION TO SONOTUBE
NO SCALE

PROVIDE BITUMINOUS WATERPROOFING AT ALL TUBE COLUMNS AND BASEPLATES BELOW GRADE TO PREVENT RUSTING AND WATER PENETRATION.



A5
SE-111
TYPICAL TUBE COLUMN BLOCKOUT
NO SCALE



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NO.	DESCRIPTION

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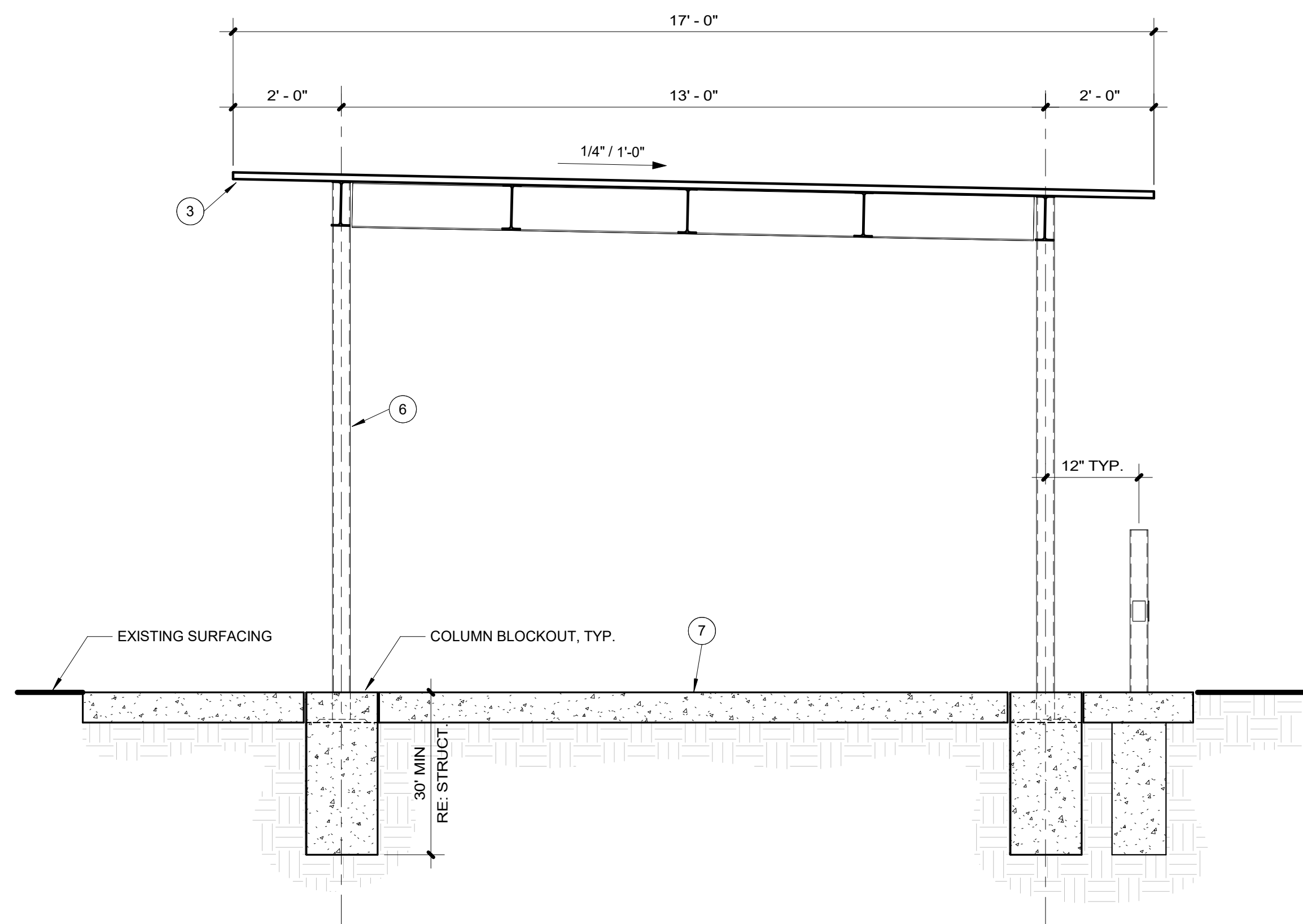


FRAMING PLANS

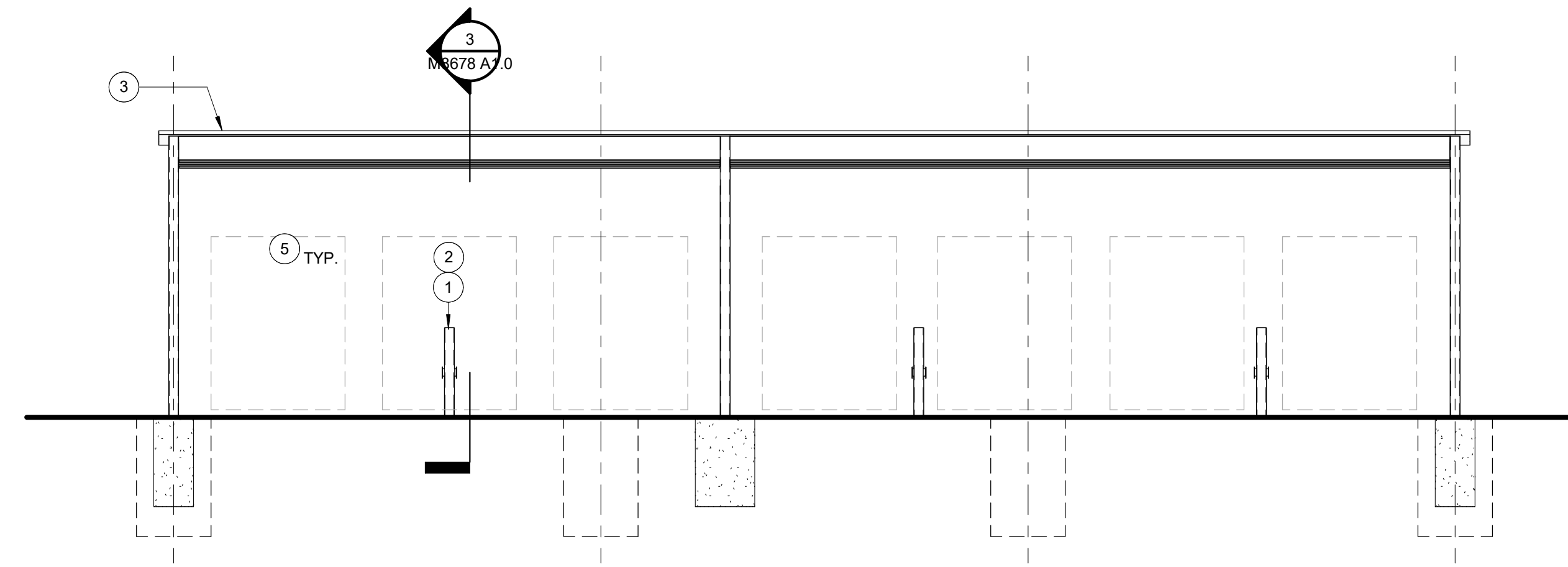
WORK ORDER & SHEET NO.

SE-111

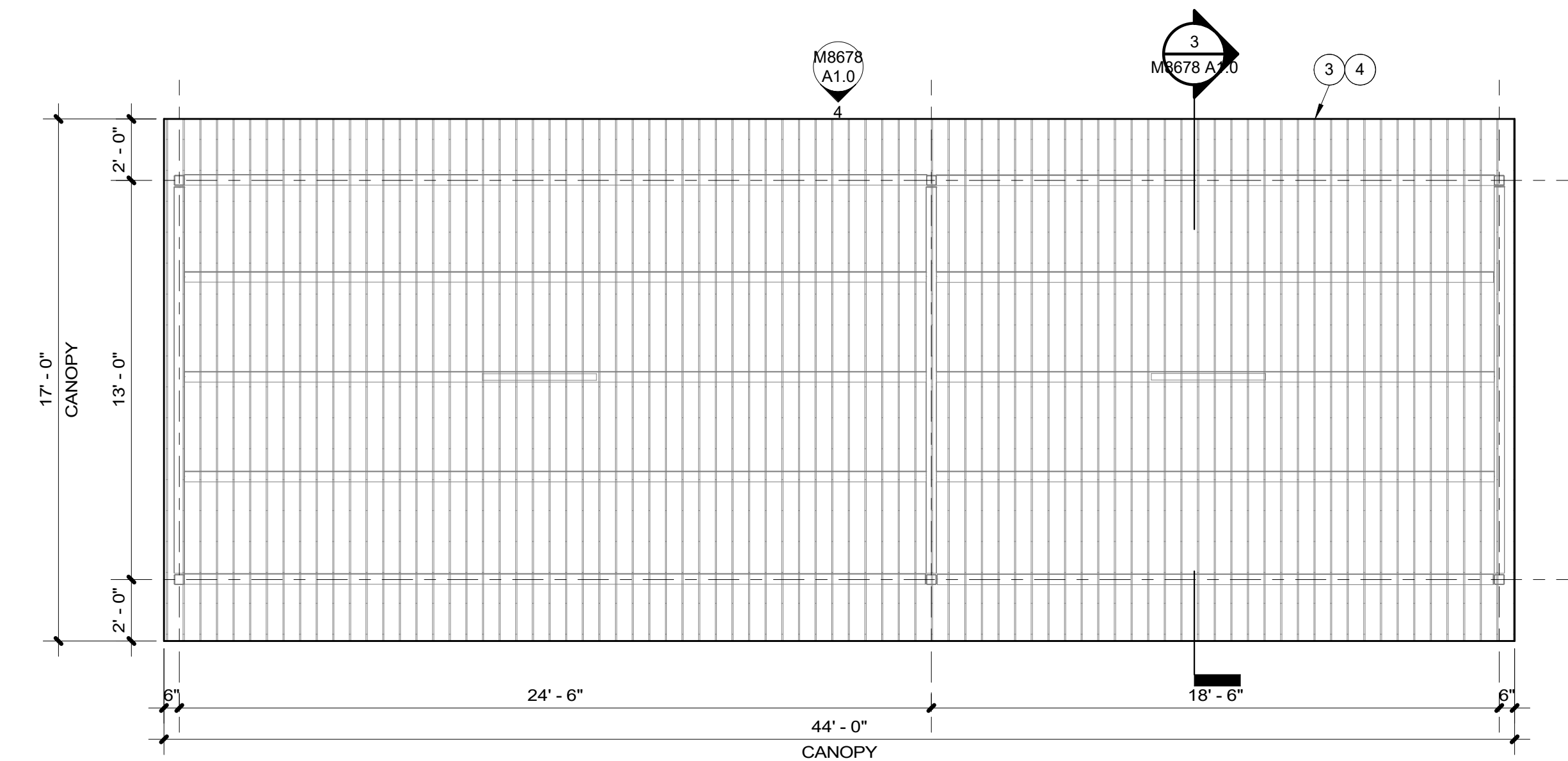
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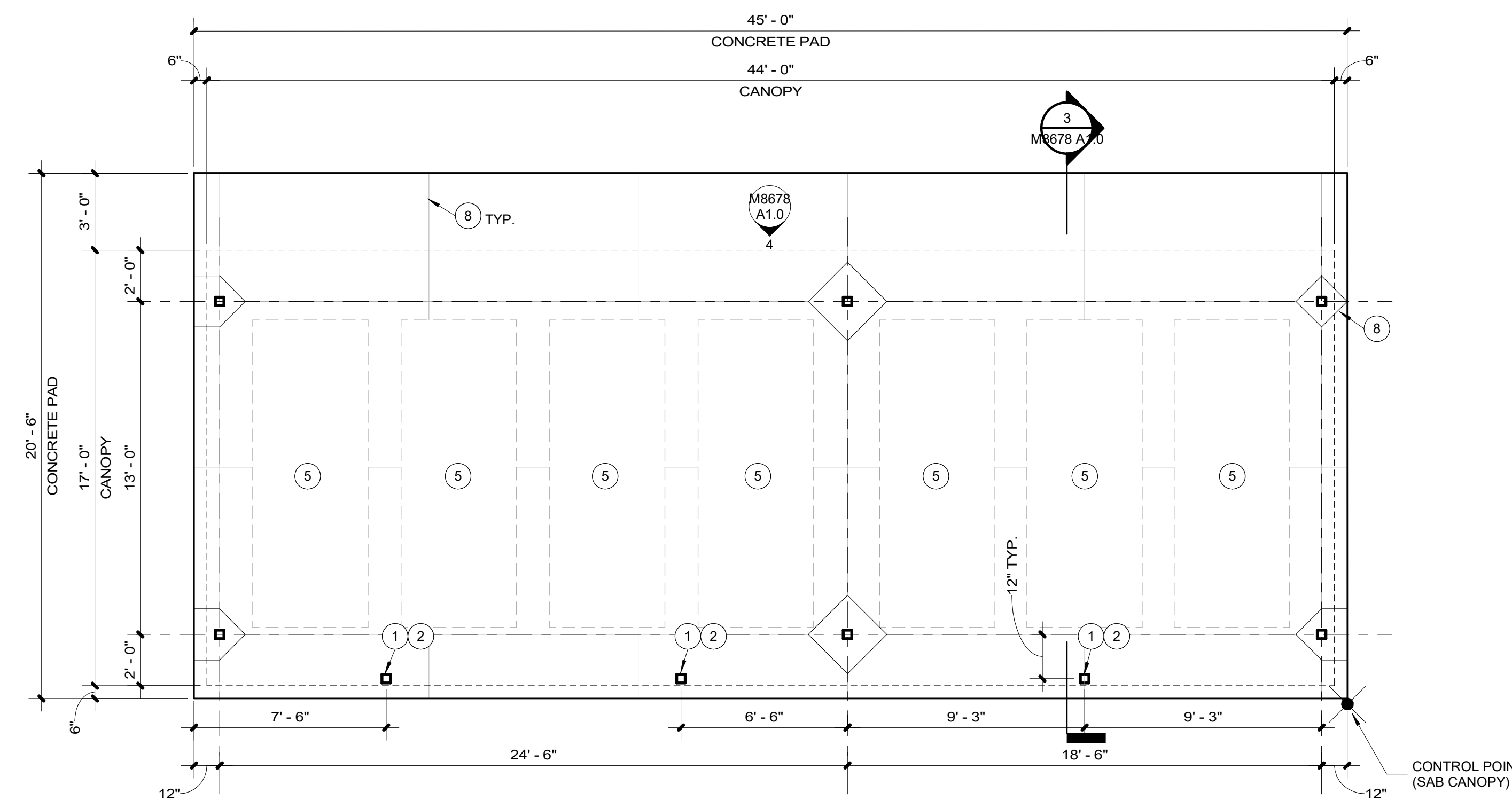
Section 1
SCALE: 1/2" = 1'-0"
3



ELEVATION 4
SCALE: 1/4" = 1'-0"



ROOF PLAN - TYPICAL CANOPY
SCALE: 1/4" = 1'-0"
2



FLOOR PLAN - TYPICAL CANOPY
SCALE: 1/4" = 1'-0"
1

REFERENCE NOTES

- 4" X 4" X 1/4" HSS TUBE STEEL BOLLARD (TYPICAL OF 5), PROVIDE 1/4" CLOSURE PLATE WELDED AT TOP. APPLY EPOXY BASED HIGH PERFORMANCE PAINT.
- ELECTRIC CHARGING CONNECTION MOUNTED TO HSS POST, RE: ELECTRICAL.
- PROVIDE 22 GA. PBR METAL ROOF DECK. ROOF TO SLOPE 1/4" PER 12" AS INDICATED. PROVIDE DRIP EDGE AT LOW SIDE OF ROOF AND EDGE TRIM AT ALL OTHER EDGES.
- STRUCTURAL STEEL FRAMING, RE: STRUCTURE. PAINT ALL EXPOSED STRUCTURAL STEEL WITH EPOXY BASED HIGH PERFORMANCE COATING.
- GOLF CART OUTLINE (SHOWN FOR REFERENCE)
- NEW HSS TUBE COLUMN, RE: STRUCTURAL DRAWINGS
- NEW 5" CONCRETE SLAB-ON-GRADE PER BYU STANDARD CONCRETE PAVEMENT.
- SLAB CONTROL JOINT, RE: CONTROL JOINT LAYOUT AND STRUCTURAL DRAWINGS

EXTERIOR PAINT
APPLICATION: FERROUS METALS
TYPE: HIGH PERFORMANCE EPOXY
MANUF: PPG
PRODUCT: PSX700 SERIES (SYSTEM 1)
SURFACE PREP: PER MANUF.
COATS: 2 COAT SYSTEM
THICKNESS: AS SPECIFIED BY MANUF.
COLOR: TBD



FACILITIES PLANNING
240 BRWB PROVO, UTAH 84602
PHONE: (801) 422-5504
FAX: (801) 422-0566

DATE: 12.10.24
DESIGNER: J. PALMER
DRAWN BY: JP

ADA CHECK:
CODE CHECK:
STRUCTURAL:
ENGINEERING:
PLANNING DIR:

CLIENT APPROVAL DATE

REVISIONS

BRIGHAM YOUNG
UNIVERSITY
SAB GOLF CART CANOPY PARKING
ADVANCEMENT VP - ATHLETICS
STUDENT ATHLETE BUILDING SITE - NORTHWEST CORNER



BLDG SHELTER - TYPICAL DRAWINGS

WORK ORDER & SHEET NO.

**M8678
A1.0**

CONSTRUCTION DOCUMENTS



FACILITIES PLANNING
 240 BRWB PROVO, UTAH 84602
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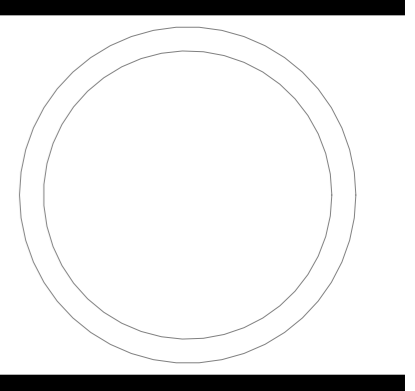
DATE: 04.18.25
 DESIGNER: S. GRIFFITHS
 DRAWN BY: SRG

ADA CHECK: _____
 CODE CHECK: _____
 STRUCTURAL: _____
 ENGINEERING: _____
 PLANNING DIR: _____

CLIENT APPROVAL _____ DATE _____

REVISIONS

BRIGHAM YOUNG
 UNIVERSITY
 GOLF CART CANOPY PARKING
 ADVANCEMENT VP - ATHLETICS
 BYU CAMPUS



**BLDG SHELTER -
 ELECTRICAL
 DRAWING**

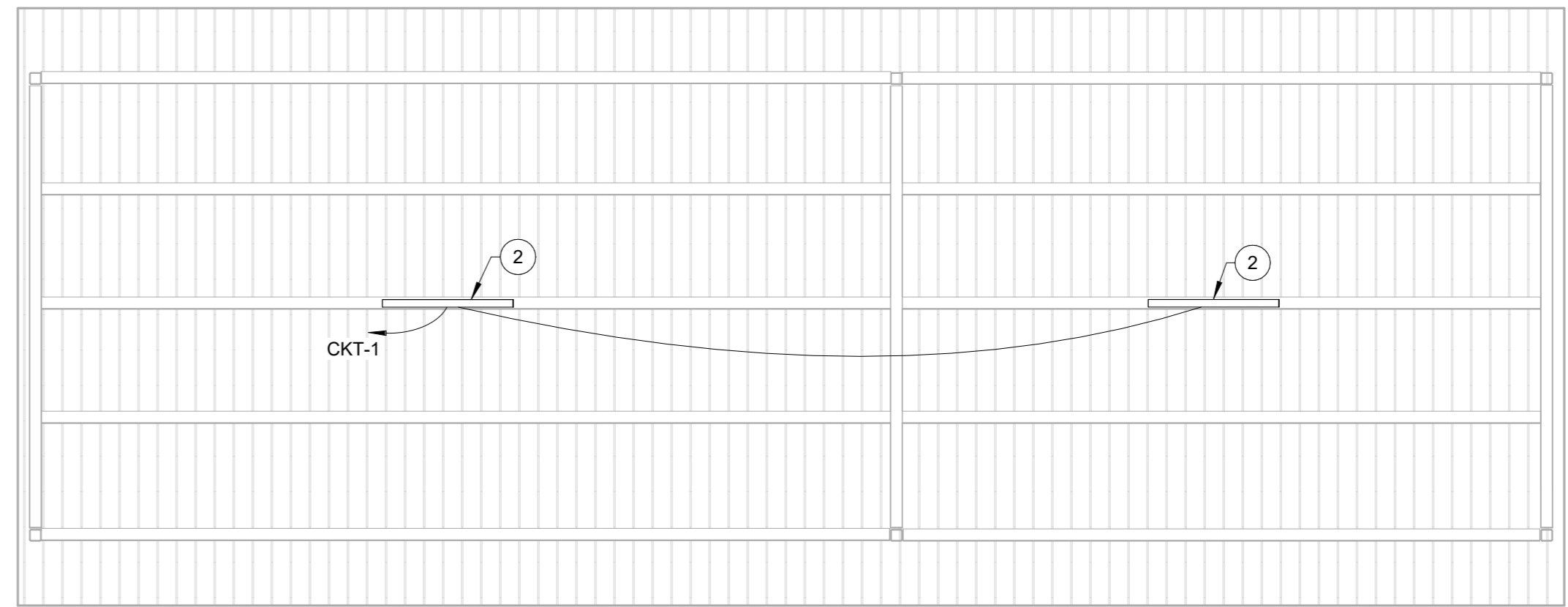
WORK ORDER & SHEET NO.

**M8678
 E1.0**

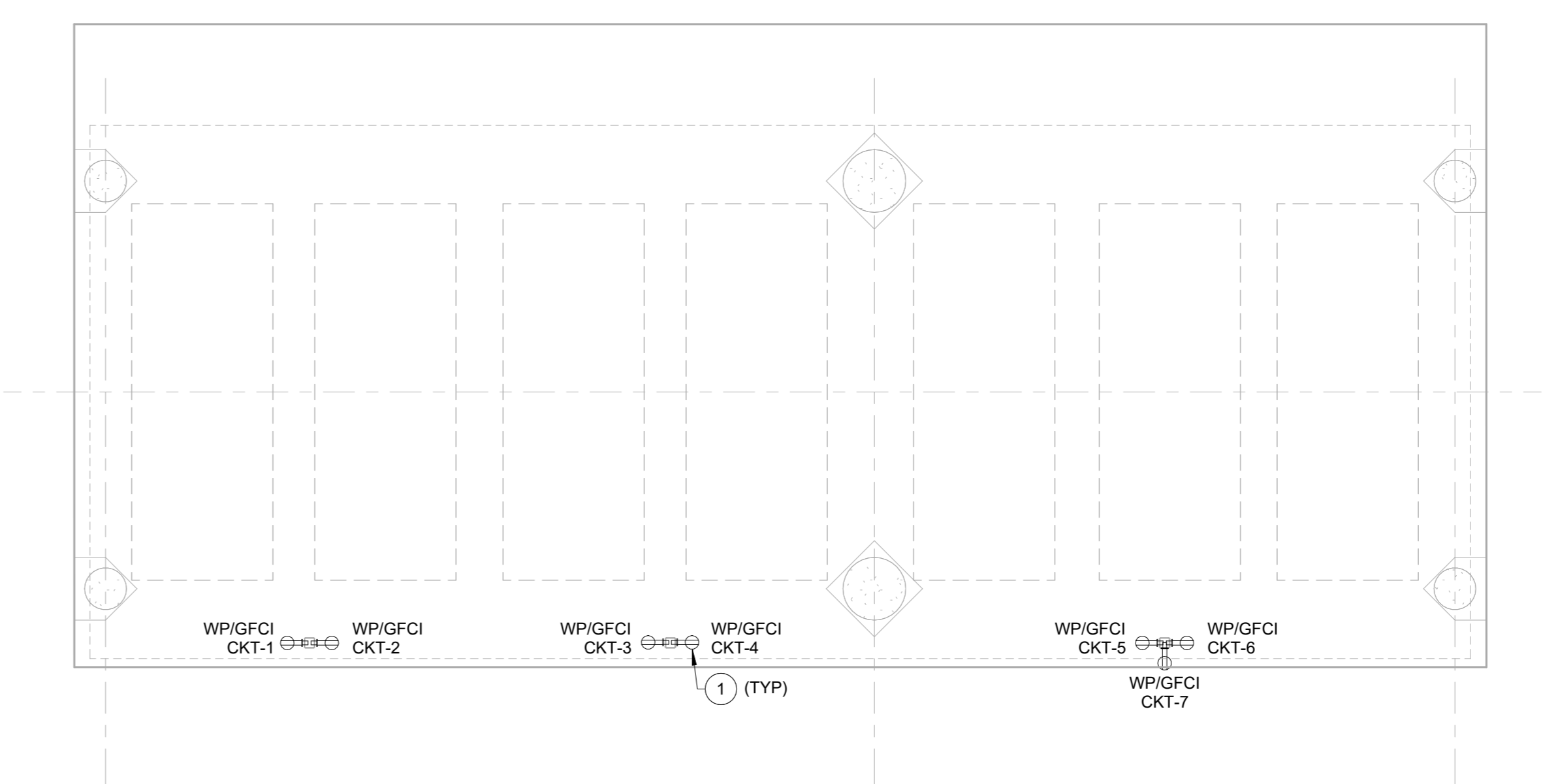
CONSTRUCTION DOCUMENTS

REFERENCE NOTES

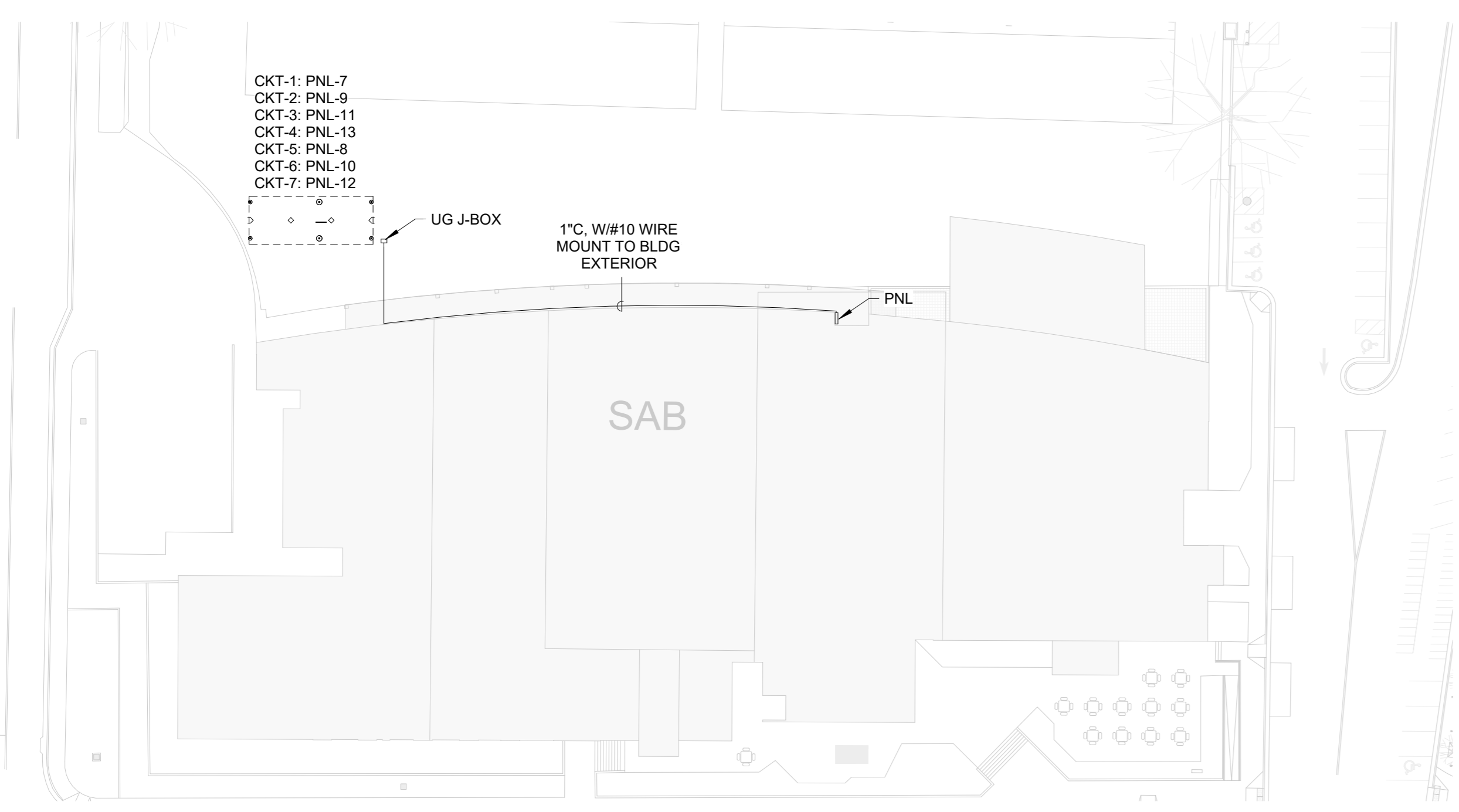
1. INSTALL DUPLEX GFCI RECEPTACLE WITH METAL IN-USE BUBBLE COVER. CONNECT TO CIRCUIT INDICATED ON ELECTRICAL SITE PLAN. CONCEAL CONDUCTORS IN TUBE STEEL BOLLARD. INSTALL UG JUNCTION BOX TO FACILITATE CIRCUIT ROUTING TO EACH BOLLARD.
2. INSTALL XTRALIGHT VTC4-5000L-50K-DIM-FPS2 VAPOR TIGHT STRIP WITH INTEGRAL PIR OCCUPANCY SENSOR. CONNECT TO CKT-1.



LIGHTING PLAN - TYPICAL CANOPY SCALE: 1/4" = 1'-0" **3**



ELECTRICAL PLAN - TYPICAL CANOPY SCALE: 1/4" = 1'-0" **1**



SAB GOLF CART ELEC SITE PLAN SCALE: 1" = 40'-0" **2**