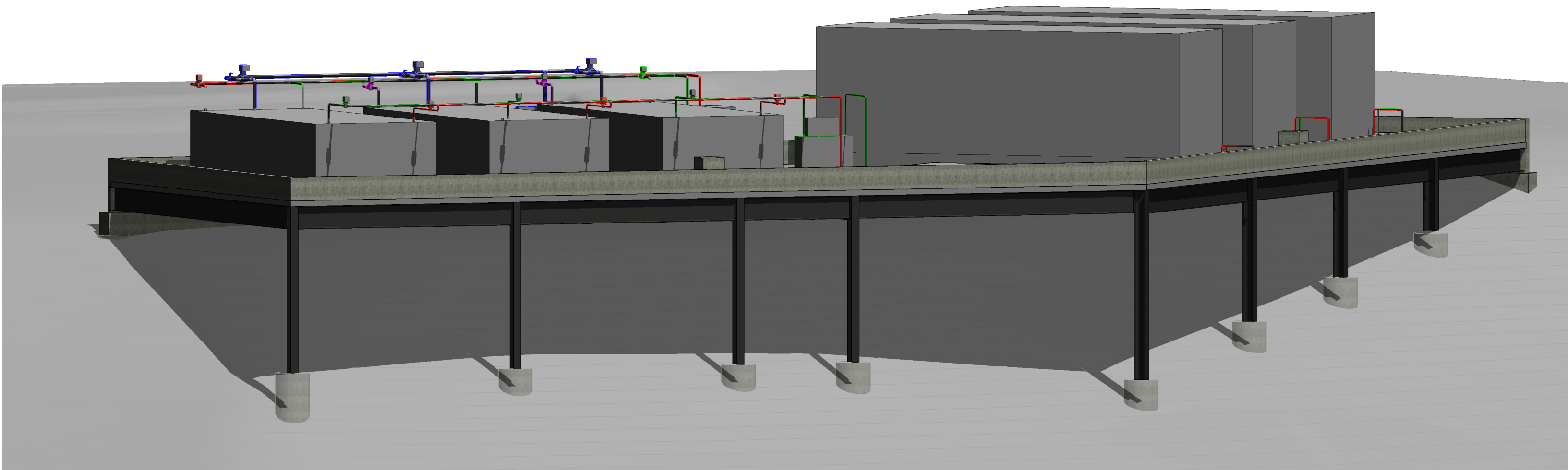
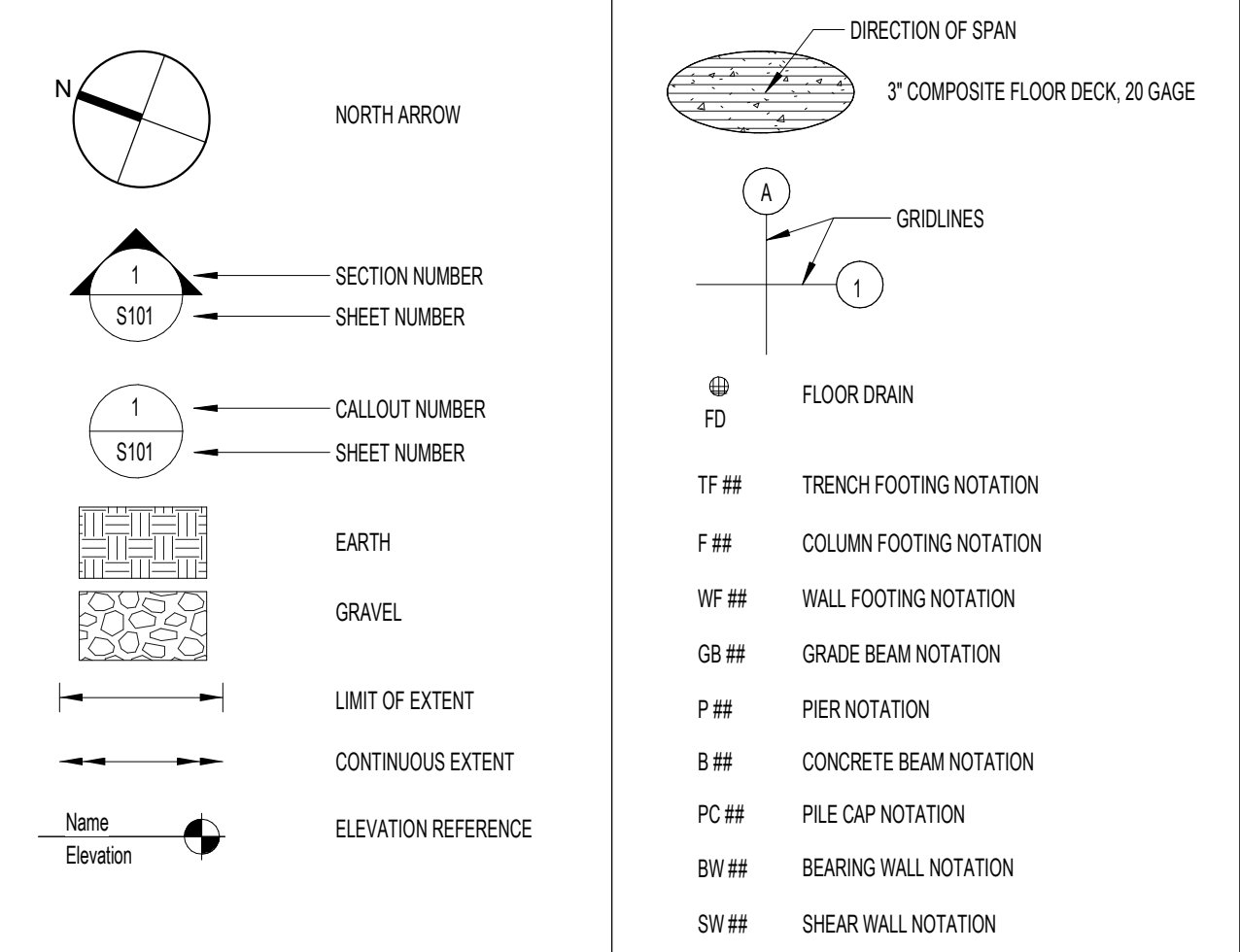


one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
one inch = one foot
three quarters inch = one foot
one and one half inches = one foot
three inches = one foot



ISOMETRIC VIEW - GENERATOR PLATFORM
SCALE:

MISCELLANEOUS SYMBOLS



STRUCTURAL SHEET LIST

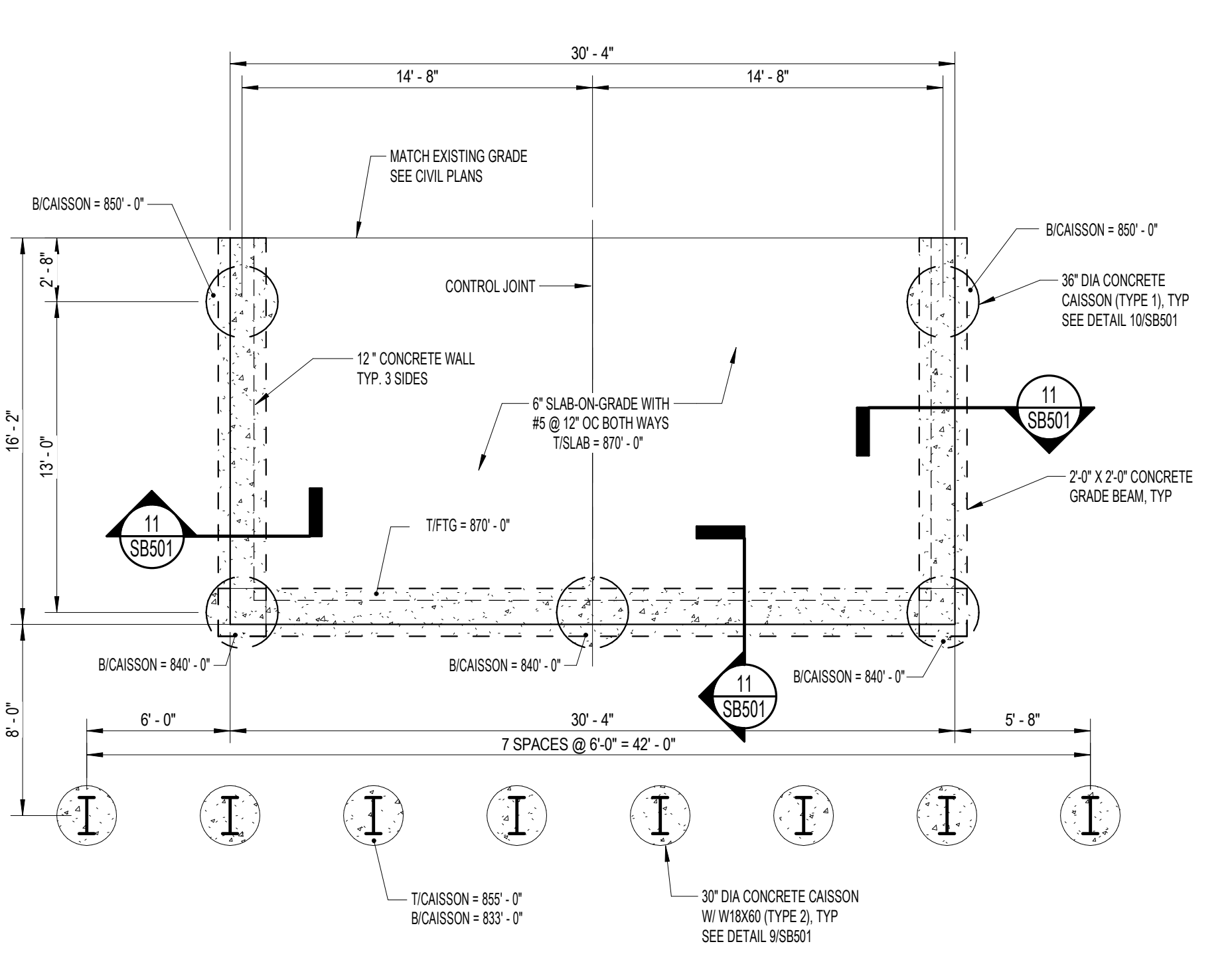
SHEET NUMBER	SHEET NAME
SI001	ABBREVIATIONS AND SYMBOLS
SI002	STRUCTURAL GENERAL NOTES
SB101	FOUNDATION AND FRAMING PLANS
SB501	SECTIONS AND DETAILS

STRUCTURAL ABBREVIATIONS

AE	ARCHITECT/ENGINEER	INSUL	INSULATION
ACI	AMERICAN CONCRETE INSTITUTE	INT	INTERIOR
ACP	ALUMINUM CAST PILE	JBRG	JOIST BEARING
ADOL	ADDITIONAL	JST	JOIST
ADJ	ADJACENT	JT	JOINT
AGGR	AGGREGATE	KB	KNEE BRACE
ASC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	KP, K	1,000 POUNDS
ALT	ALTERNATE	KO	KNOCK-OUT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	KSI	KIPS PER SQUARE INCH
APPROX	APPROXIMATE	L	ANGLE OR LENGTH
AR	ANCHOR ROD	LAB	LABORATORY
ARCH	ARCHITECTURAL	LB	POUND
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	LF	LINEAL FOOT
AWG	AMERICAN WIREGAWG SOCIETY	LN	LINEAL LINEAR
B	BOTTOM OF	LLH	LONG LEG HORIZONTAL
BAL	BALANCE	LLV	LONG LEG VERTICAL
BD	BOARD	LONGT	LONGITUDINAL
BLDG	BUILDING	LP	LOW POINT
BLK	BLOCK	LSLT	LONG SLOTTED HOLE
BLKG	BLOCKING	LWT	LIGHT WEIGHT
BM	BEAM	MAS	MASONRY
BOTT	BOTTOM	MATL	MATERIAL
BRS	BEARING	MAX	MAXIMUM
BRKT	BRACKET	MB	MACHINE BOLT
BTWN	BETWEEN	MC	MISCELLANEOUS CHANNEL
C	STANDARD CHANNEL	MECH	MECHANICAL
CANT	CANTILEVER	MEMB	MEMBRANE
CC	CENTER TO CENTER	MEP	MECHANICAL/ELECTRICAL/PLUMBING
CF	COLD-FORMED	MFR	MANUFACTURER
CG	CENTER OF GRAVITY	MIN	MINIMUM
CIP	CAST-IN-PLACE	MISC	MISCELLANEOUS
CJ	CONTROL JOINT OR CONSTRUCTION JOINT	MO	MASONRY OPENING
CJP	COMPLETE JOINT PENETRATION	MULT	MULTIPLE
CL	CENTERLINE	N/A	NOT APPLICABLE
CLR	CLEARANCE, CLEAR	NO	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM	NOMINAL
COL	COLUMN	NS	NEAR SIDE
CONC	CONCRETE	NTS	NOT TO SCALE
CONN	CONNECTION	ON CENTER	ON CENTER
CONST	CONSTRUCTION	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	OF	OUTSIDE FACE
CONTR	CONTRACTOR	OFD	OVERFLOW DRAIN
CTR	CENTER	OH	OVERHEAD
CTRD	CENTERED	OPNG	OPENING
CU FT	CUBIC FEET	OPP	OPPOSITE
CU IN	CUBIC INCH	OPPHD	OPPOSITE HAND
CYD	CUBIC YARD	ORIG	ORIGINAL
CW	CONCRETE WALL	OVS	OVERSIZED HOLE
DBL	DOUBLE	P	PIER
DEG	DEGREE	PC	PIER CAP OR PRECAST
DEMO	DEMOLITION, DEMOLISH	PERM	PERIMETER
DEPT	DEPARTMENT	PERM	PERMANENT
DET	DETAIL	PERP	PERPENDICULAR
DIA	DIAMETER	PJP	PARTIAL JOINT PENETRATION
DIAG	DIAGONAL	PL	PLATE
DIAPH	DIAPHRAGM	PLF	POUNDS PER LINEAL FOOT
DIM	DIMENSION	PLYWD	PLYWOOD
DN	DOWN	PREFAB	PREFABRICATED
DITTO	DITTO	PREL	PRELIMINARY
DP	DRILLED PIER OR DEEP	PREP	PREPARATION, PREPARE
DWG	DRAWING	PROJ	PROJECTION
DWL	DOVELS	PS	PRESTRESSED
EA	EACH	PSF	POUNDS PER SQUARE FOOT
EF	EACH FACE	PSI	POUNDS PER SQUARE INCH
EJ	EXPANSION JOINT	PSL	PARALLEL, STRAND LUMBER
EL, ELEV	ELEVATION	PT	POST-TENSIONED
ELEC	ELECTRICAL	R	RADIUS
ENCL	ENCLOSURE	RD	ROOF DRAIN
ENGR	ENGINEER	REF	REFERENCE
EO	EDGE OF DECK	REINF	REINFORCEMENT, REINFORCE
EOJ	EDGE OF JOIST	REQD	REQUIRED
EOS	EDGE OF SLAB	RO	ROUGH OPENING
EQ	EQUAL	SCH	SCHEDULE
EQT	EQUIPMENT	SECT	SECTION
ES	EACH SIDE	SF	SQUARE FEET
EW	EACH WAY	SH	SHEET
EX	EXISTING	SM	SIMILAR
EXP	EXPANSION	SL	SLOPE
EXT	EXTERIOR	SL, DN	SLOPE DOWN
FAB	FROM ADJACENT BEAM	SL, UP	SLOPE UP
FD	FLOOR DRAIN	SOG	SLAB-ON-GRADE
FDN	FOUNDATION	SP	SHEET PILING
FIN	FINISH	SRA	SPACES, SPACE
FLG	FLANGE	SPECS	SPECIFICATIONS
FLR	FLOOR	SQ	SQUARE
FS	FOOTING STEP	SS	STAINLESS STEEL
FT	FEET	SSLT	SHORT SLOTTED HOLE
FTG	FOOTING	STD	STANDARD
FTGD	FOOTING DRAIN	STIFF	STIFFENER
FV	FIELD VERIFY	STL	STEEL
GA	GAUGE	STRUC	STRUCTURAL
GALV	GALVANIZED	SYM	SYMMETRICAL
GB	GRADE BEAM	T & B	TOP AND BOTTOM
GRND	GROUND	T	TOP OF
GT	GIRDER TRUSS	TGB	TOP OF GRADE BEAM
HAS, HS	HEADED ANCHOR STUD	TBS	MECHANICAL TENSION BUTT SPLICE
HK	HOOK	TEMP	TEMPERATURE
HORIZ	HORIZONTAL	TF	TRENCH FOOTING
HP	HIGH POINT	THRU	THROUGH
HS	HOLLOW STRUCTURAL SECTION	TRANS	TRANSVERSE
HT	HIP TRUSS	TYP	TYPICAL
HVAC	HEATING, VENTILATION, AIR CONDITIONING	UL	UNDERWRITERS' LABORATORY INC.
ID	INSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
I	INSIDE FACE	UT	ULTRA-SONIC TEST
IN	INCH	VERT	VERTICAL
INCL	INCLUDE	W	WIDE FLANGE
INFO	INFORMATION	WI	WITH
		W/O	WITHOUT
		WO	WOOD
		WF	WALL FOOTING
		WP	WORK POINT
		WWF	WELDED WIRE FABRIC

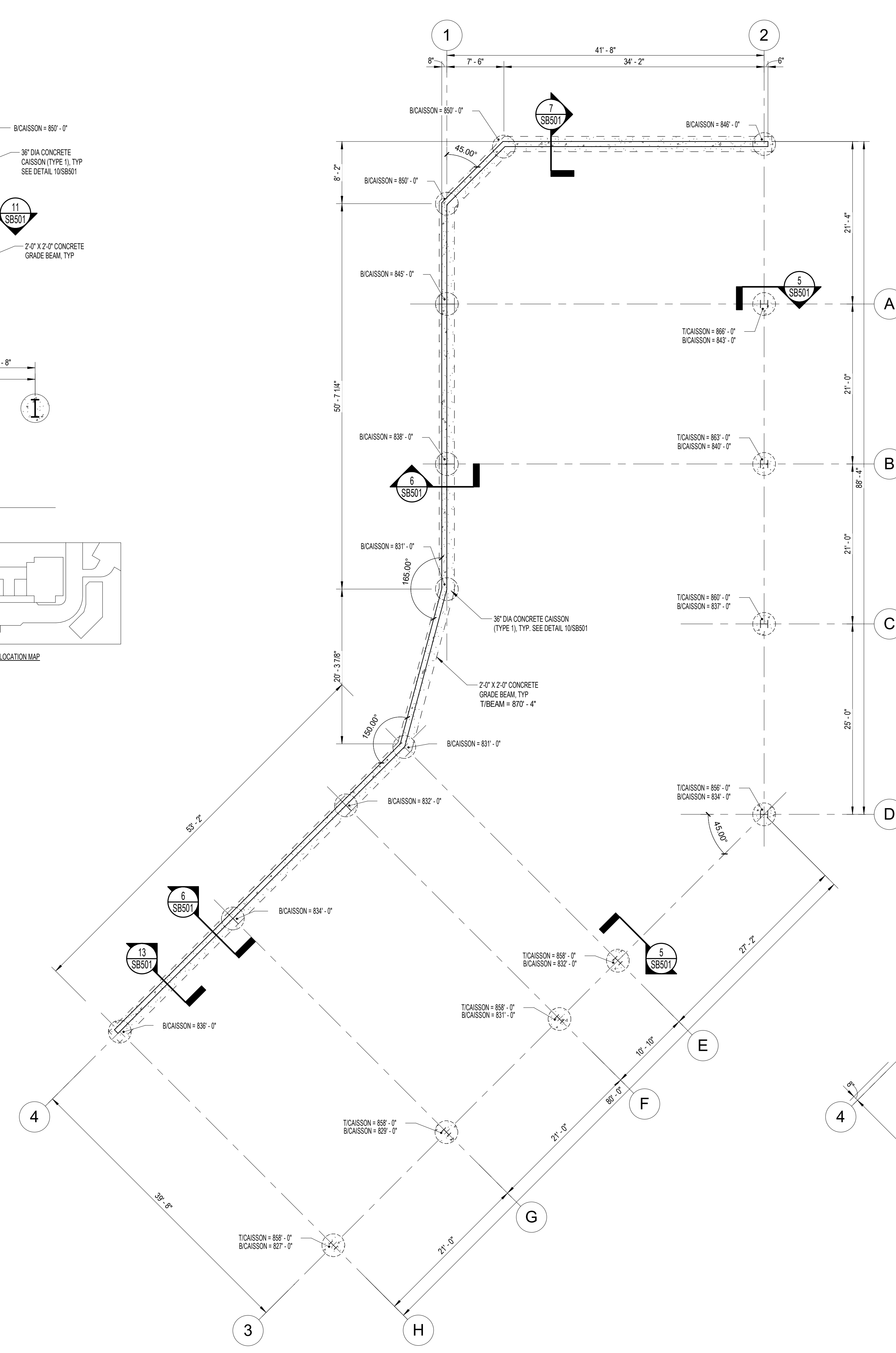
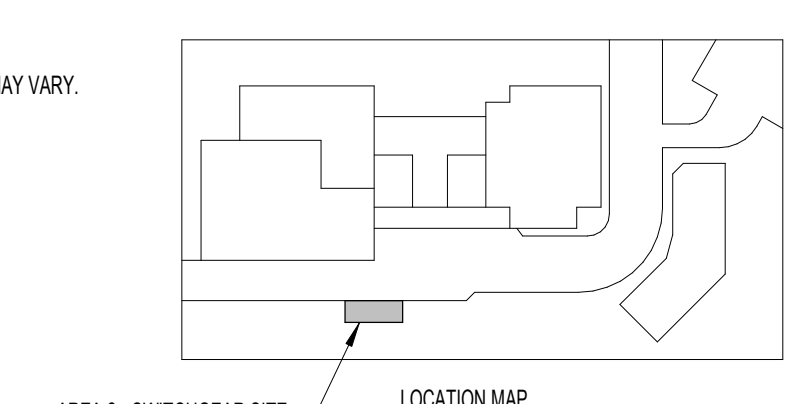
100% CONSTRUCTION DOCUMENTS

		CONSULTANTS:		ARCHITECT/ENGINEERS:	Project Number 16.1026	Scale: AS NOTED	Drawing Title ABBREVIATIONS AND SYMBOLS	Project Title INSTALL FACILITY BACKUP GENERATOR	Project Number 581-16-101	Office Of Facilities Management	
		<div><div><div><div><div></div><div>GUIDON</div><div>DESIGN</div></div><div><div>905 N. CAPITOL AVE. SUITE 100 INDIANAPOLIS, IN 46204 317.800.6388 WWW.GUIDONDESIGN.COM</div><div>SUSTAINABLE ARCHITECTURE + ENGINEERING</div></div></div></div></div>	<div><div><div><div></div><div>PA REGISTERED ENGINEER</div><div>21692</div><div>STATE OF WEST VIRGINIA</div></div></div></div>	<div><div><div><div></div><div>APOGEE</div><div>Consulting Group, PA</div><div>www.apg-pa.com</div></div><div>Apogee Project # 2015 423</div></div></div>							
Revisions:	Date							Approved: Project Director	Location 1540 Spring Valley Dr., Huntington, WV 25704		Drawing Number <div>SI001</div> <div>Dwg. 13 of 29</div>



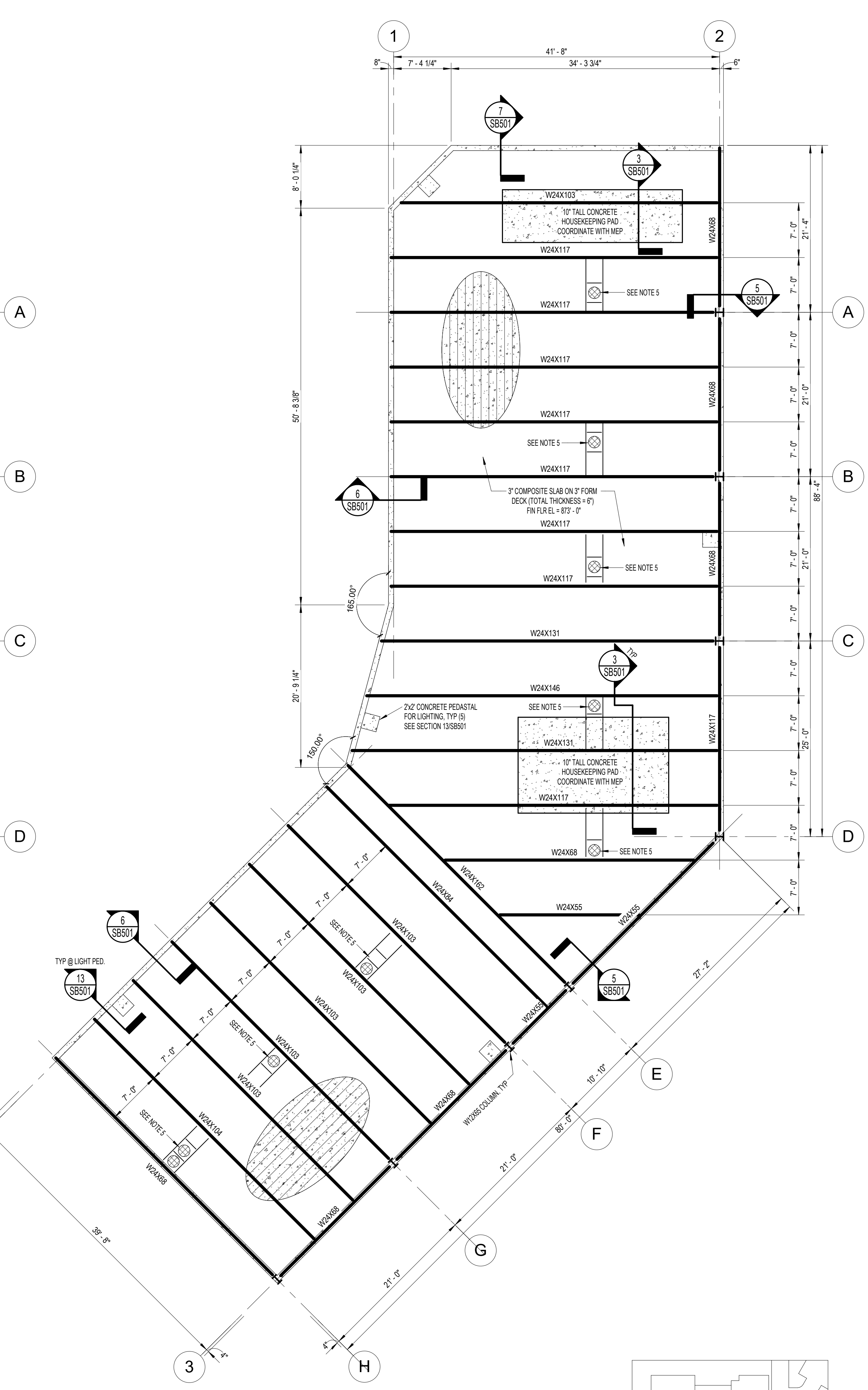
FOUNDATION PLAN - AREA 2 - SWITCHGEAR SITE
SCALE: 3/16" = 1'-0"

NOTES:
1. SEE S101 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE S102 FOR STRUCTURAL GENERAL NOTES.
3. BICAISSON ELEVATION ARE ESTIMATES BASED ON GEOTECHNICAL BORING LOGS. ACTUAL ELEVATIONS MAY VARY.
4. IT IS ANTICIPATED THAT CAISSONS WILL NEED TO BE CONSTRUCTED USING TEMPORARY STEEL CASINGS.



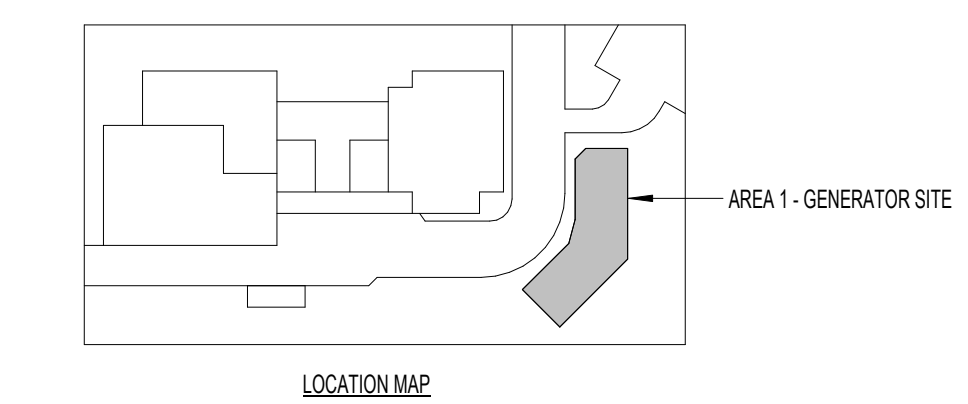
FOUNDATION PLAN - AREA 1 - GENERATOR SITE
SCALE: 1/8" = 1'-0"

NOTES:
1. SEE S101 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE S102 FOR STRUCTURAL GENERAL NOTES.
3. BICAISSON ELEVATION ARE ESTIMATES BASED ON GEOTECHNICAL BORING LOGS. ACTUAL ELEVATIONS MAY VARY.
4. IT IS ANTICIPATED THAT CAISSONS WILL NEED TO BE CONSTRUCTED USING TEMPORARY STEEL CASINGS.



ELEVATED SLAB FRAMING PLAN - AREA 1 - GENERATOR SITE
SCALE: 1/8" = 1'-0"

NOTES:
1. SEE S101 FOR ABBREVIATIONS AND SYMBOLS.
2. SEE S102 FOR STRUCTURAL GENERAL NOTES.
3. ALL STEEL TO BE HOT-DIPPED GALVANIZED.
4. ALL COLUMNS TO BE W10X45, UNO, TOP OF STEEL = 872'-0".
5. FLOOR DRAINAGE LAYOUT, COORDINATE WITH PLUMBING CONTRACTOR.
6. COORDINATE WITH LIGHTING PLANS FOR PLATFORM LIGHTING PEDASTALS.



						ARCHITECT/ENGINEERS:		Project Number 16.1026		Scale: AS NOTED		Drawing Title FOUNDATION AND FRAMING PLANS		Project Title INSTALL FACILITY BACKUP GENERATOR		Project Number 581-16-101		Office Of Facilities Management			
								 <p>Raleigh, NC Indianapolis, IN Philadelphia, PA Pittsburgh, PA Virginia Beach, VA Fort Collins, CO (919) 858-7420 www.apg-pa.com Apogee Project # 2015 423</p>		Approved: Project Director		Location 1540 Spring Valley Dr., Huntington, WV 25704		Building Number		Drawing Number SB101 <small>Dwg. 15 of 29</small>					
Revisions:				Date																	

A

B

C

D

E

F

A

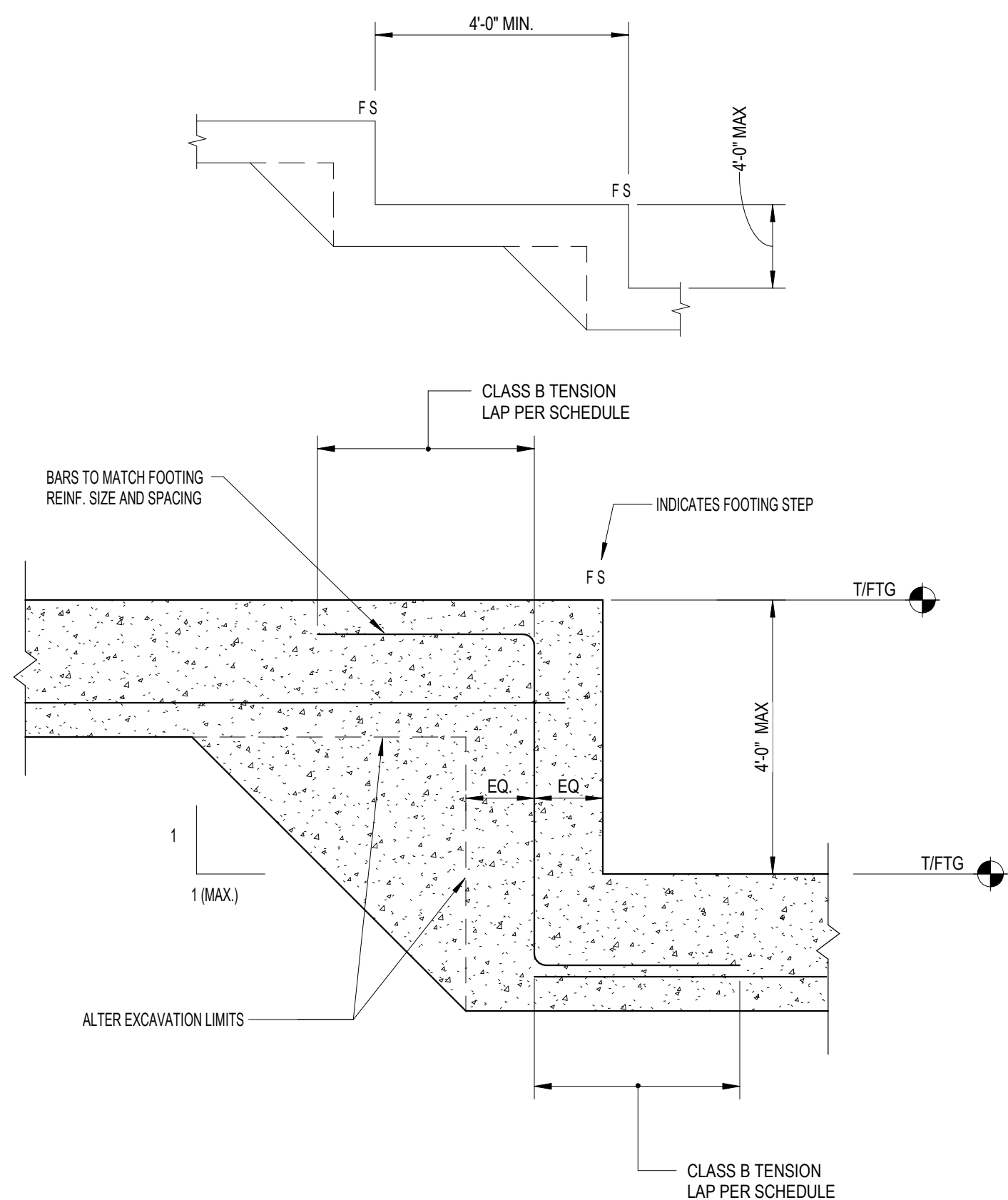
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C

D

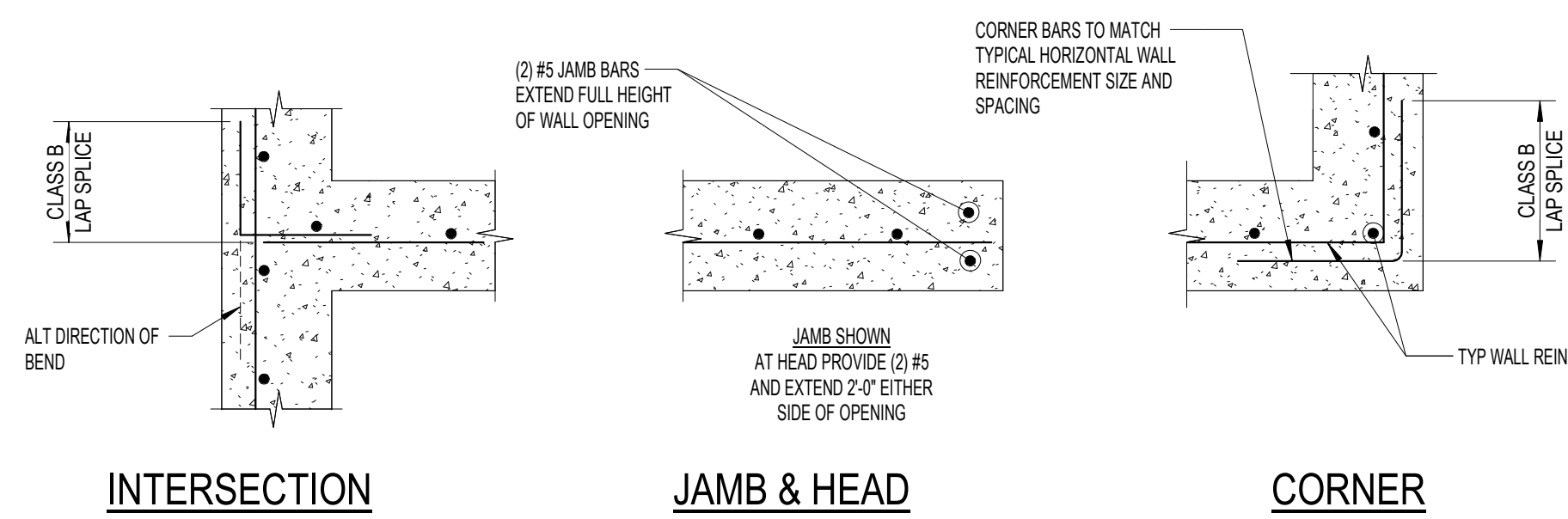
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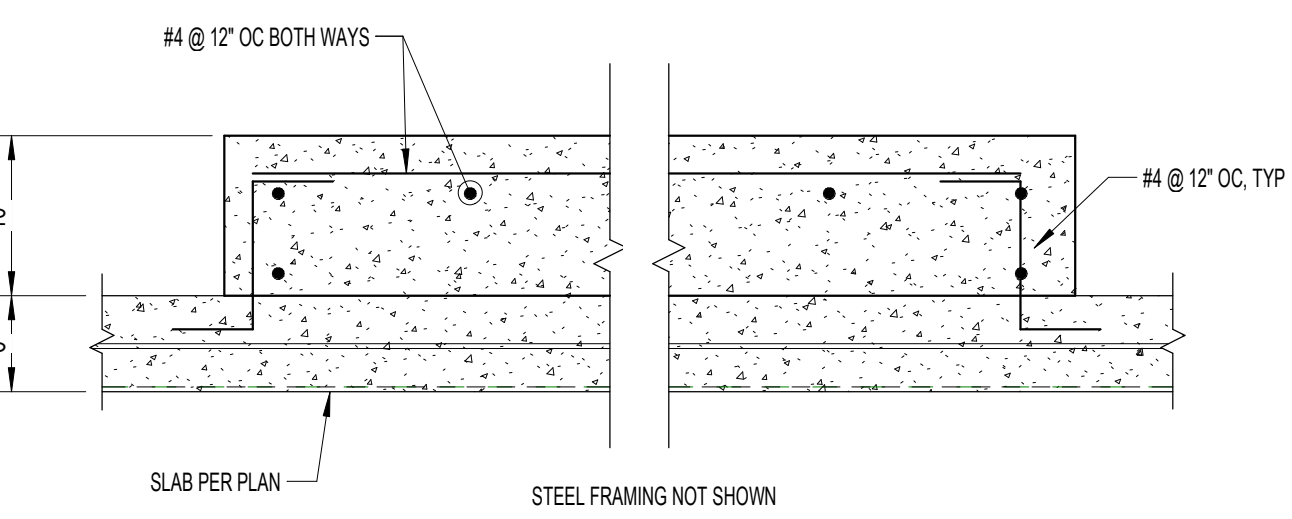
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SB501
SCALE: 1" = 1'-0"

TYPICAL STEPPED FOOTING



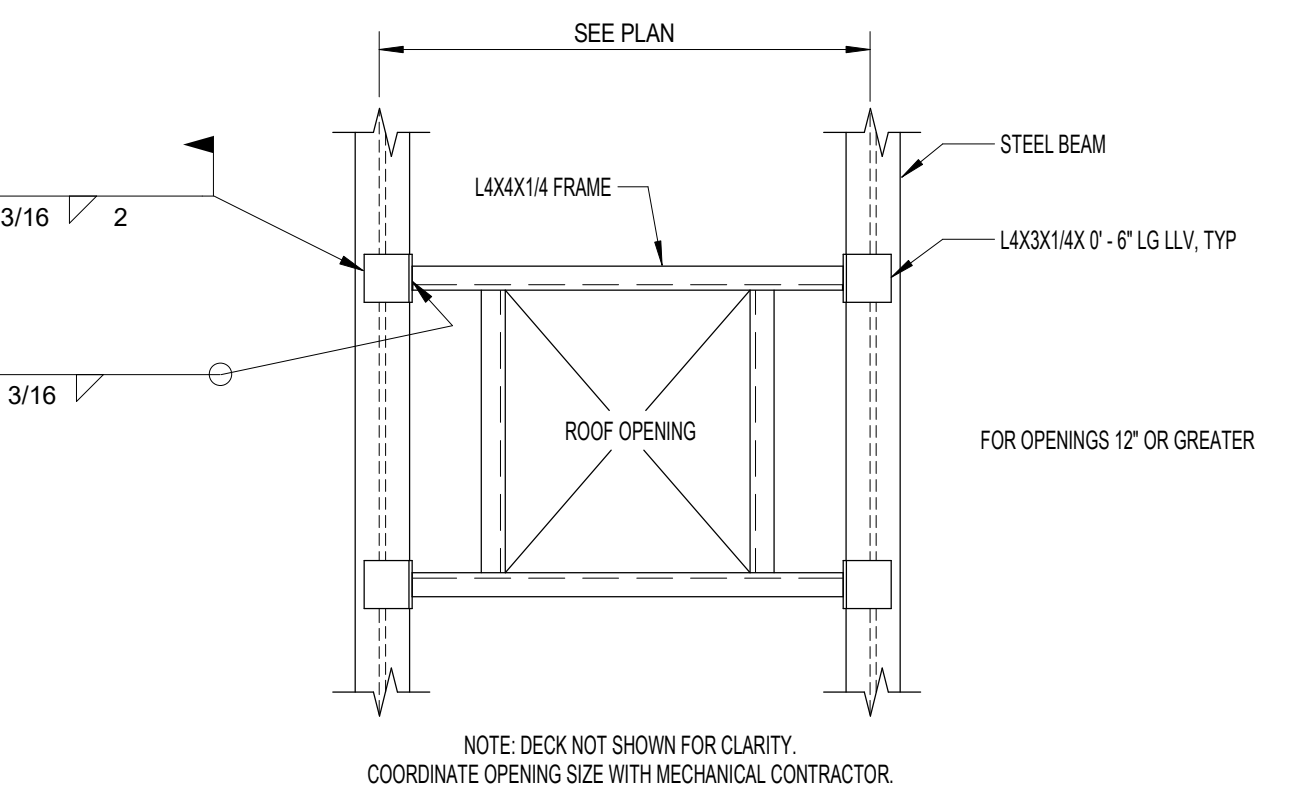
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SCALE: 1" = 1'-0"

TYPICAL CONCRETE WALL CORNER DETAILS



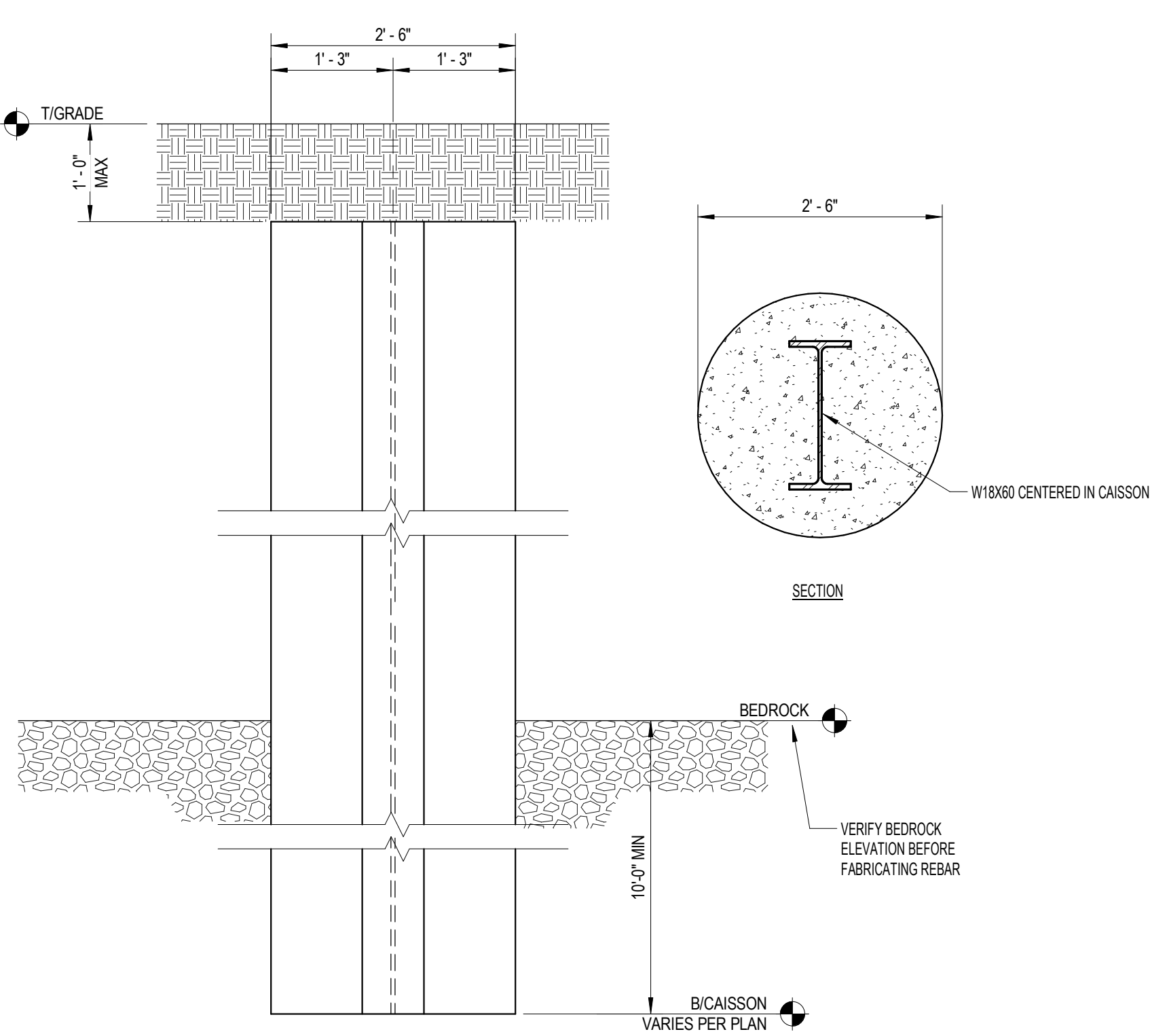
3
SB501
SCALE: 1" = 1'-0"

TYPICAL HOUSEKEEPING PAD



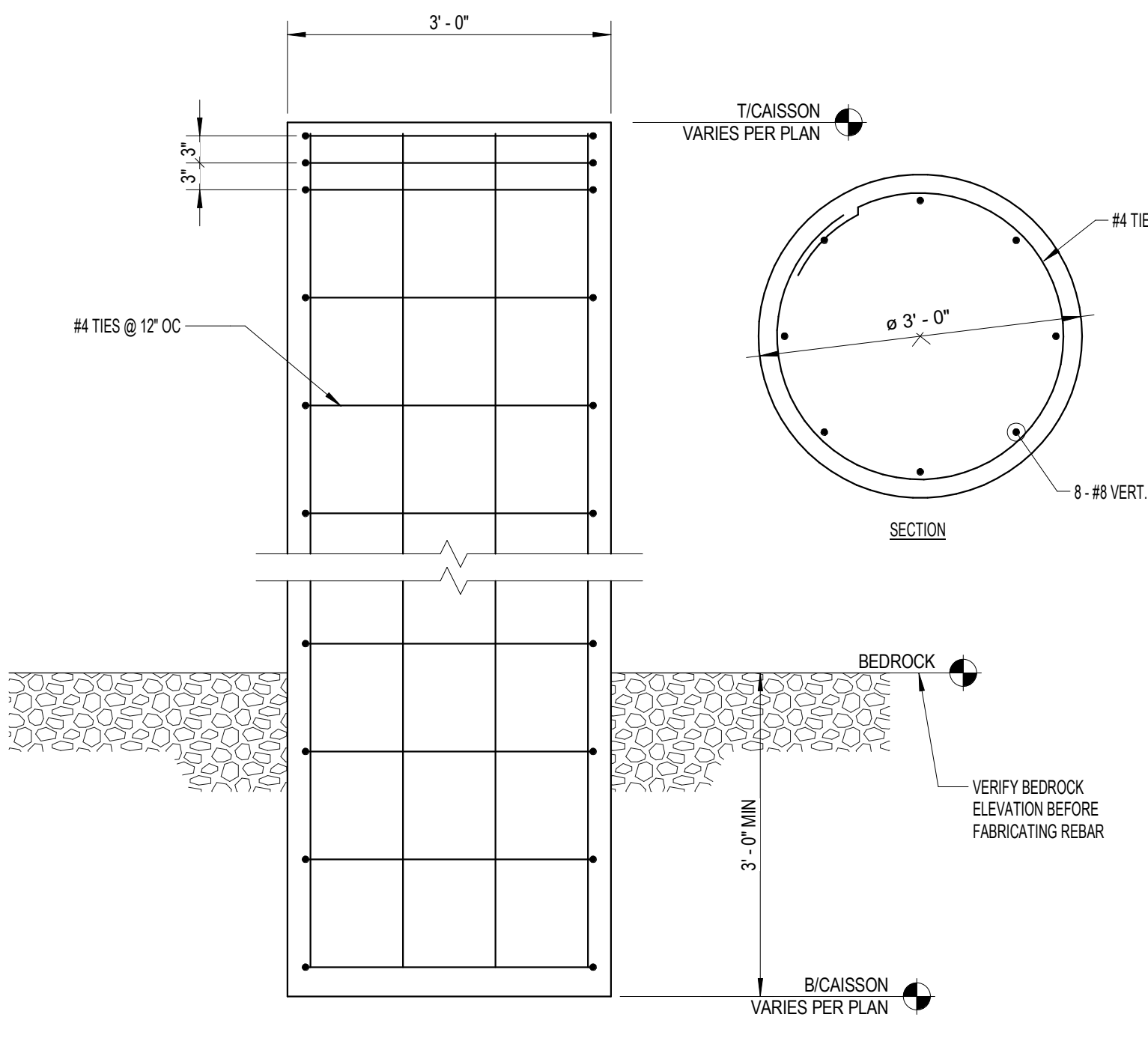
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SB501
SCALE: 3/4" = 1'-0"

TYPICAL OPENING THRU FLOOR DETAIL



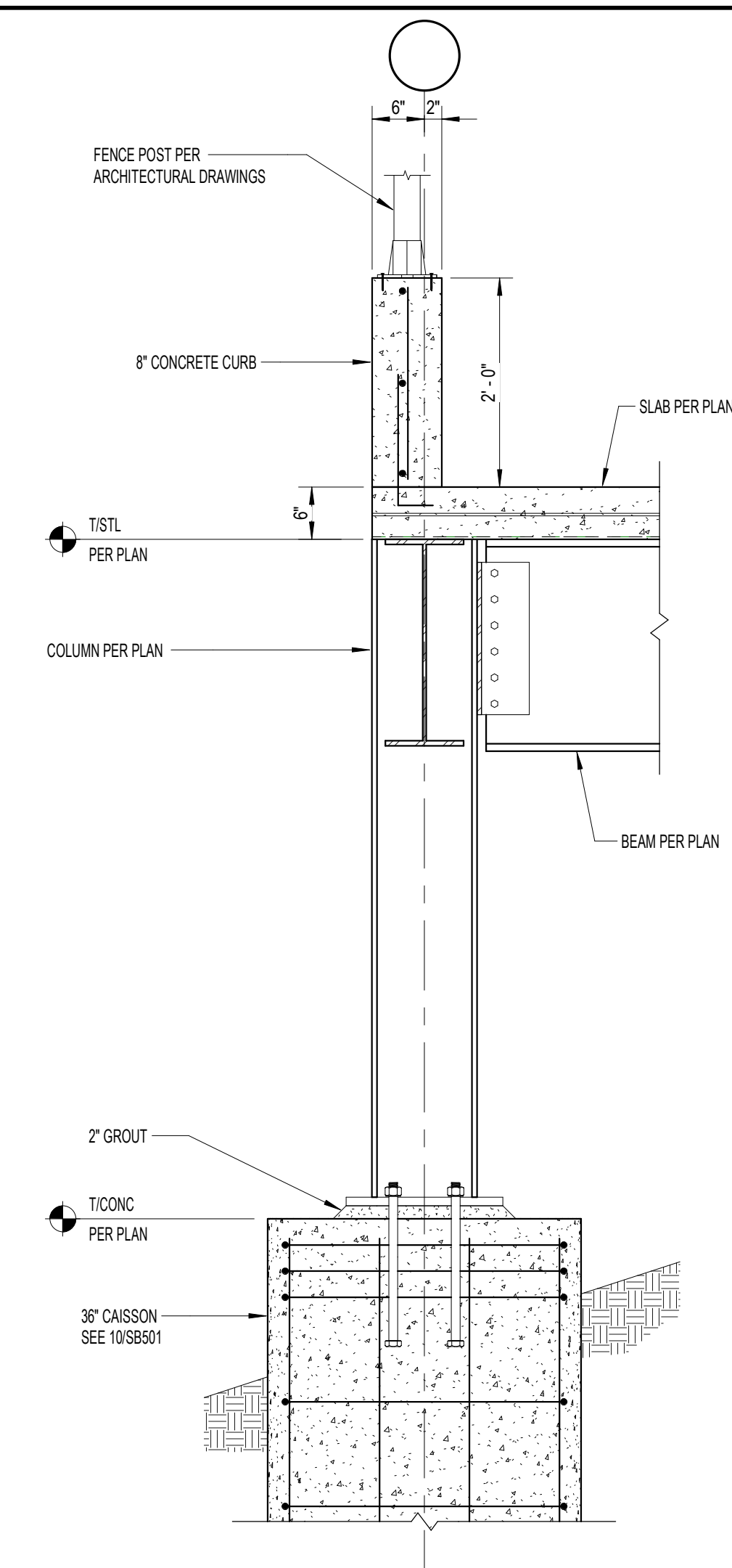
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SCALE: 3/4" = 1'-0"

TYPICAL CAISSON DETAIL TYPE 2



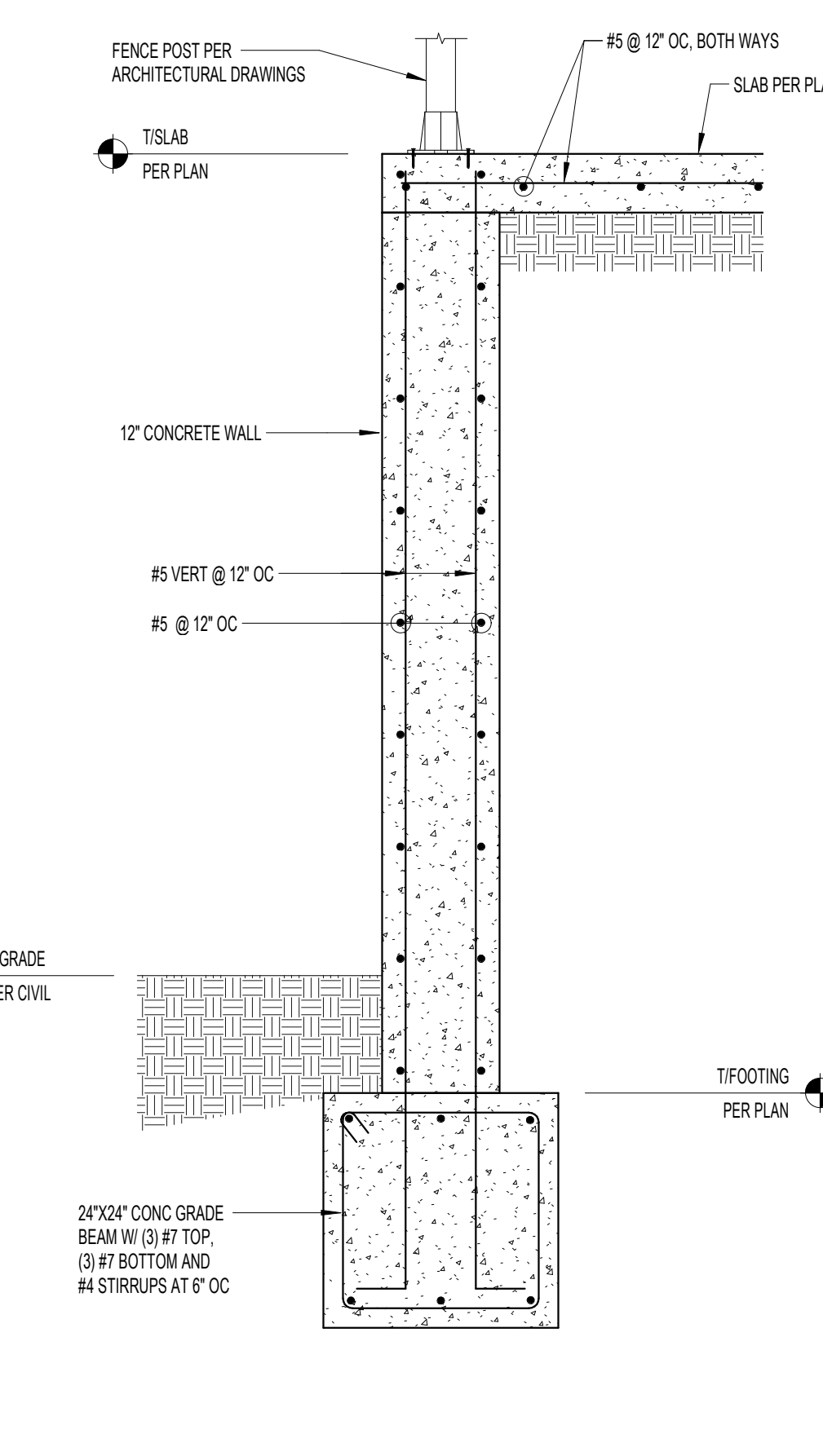
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SB501
SCALE: 3/4" = 1'-0"

TYPICAL CAISSON DETAIL TYPE 1



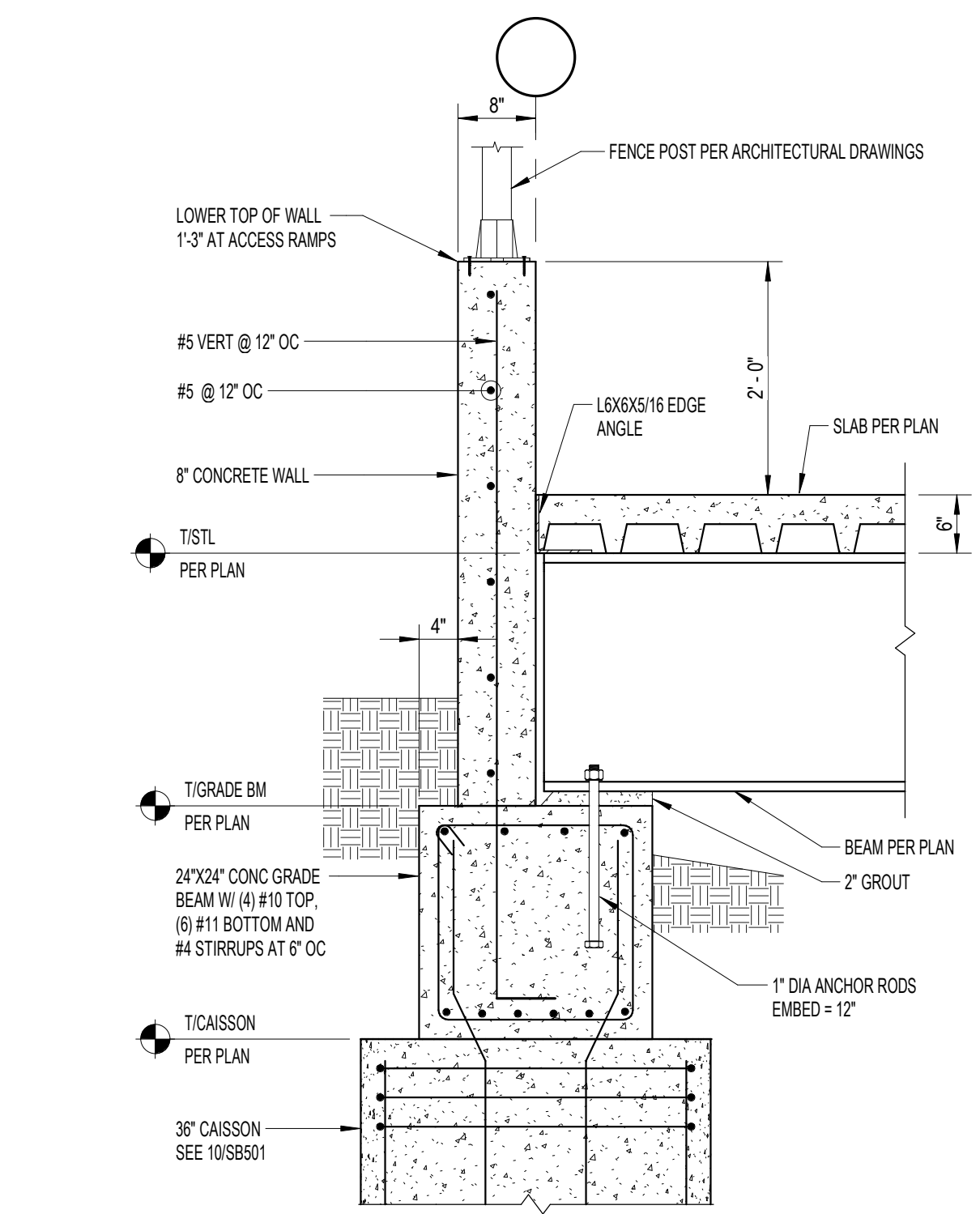
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SB501
SCALE: 3/4" = 1'-0"

SECTION



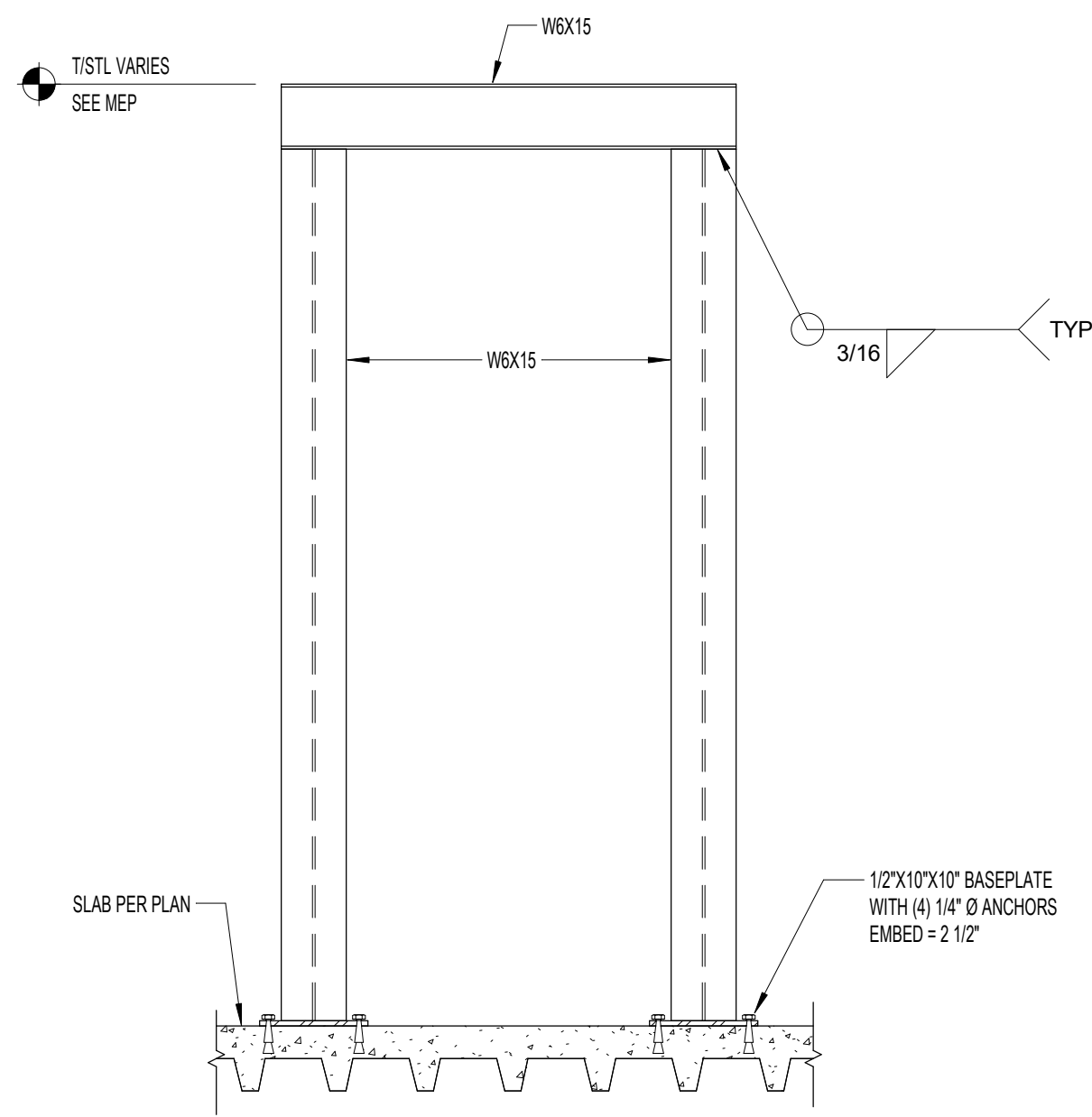
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SB501
SCALE: 3/4" = 1'-0"

SECTION @ SWITCHGEAR SITE



6
SB501
SCALE: 3/4" = 1'-0"

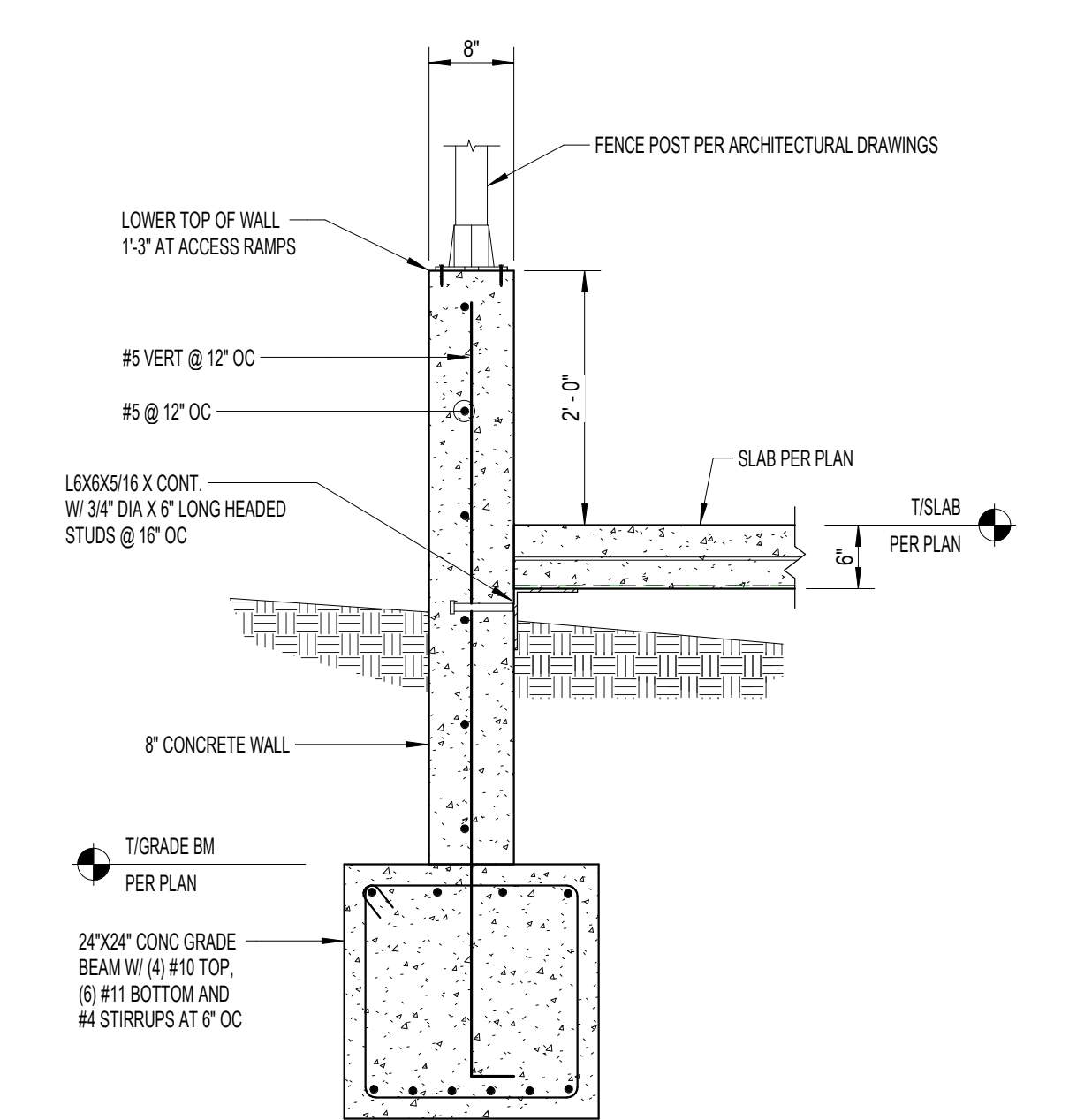
SECTION



12
SB501
SCALE: 3/4" = 1'-0"

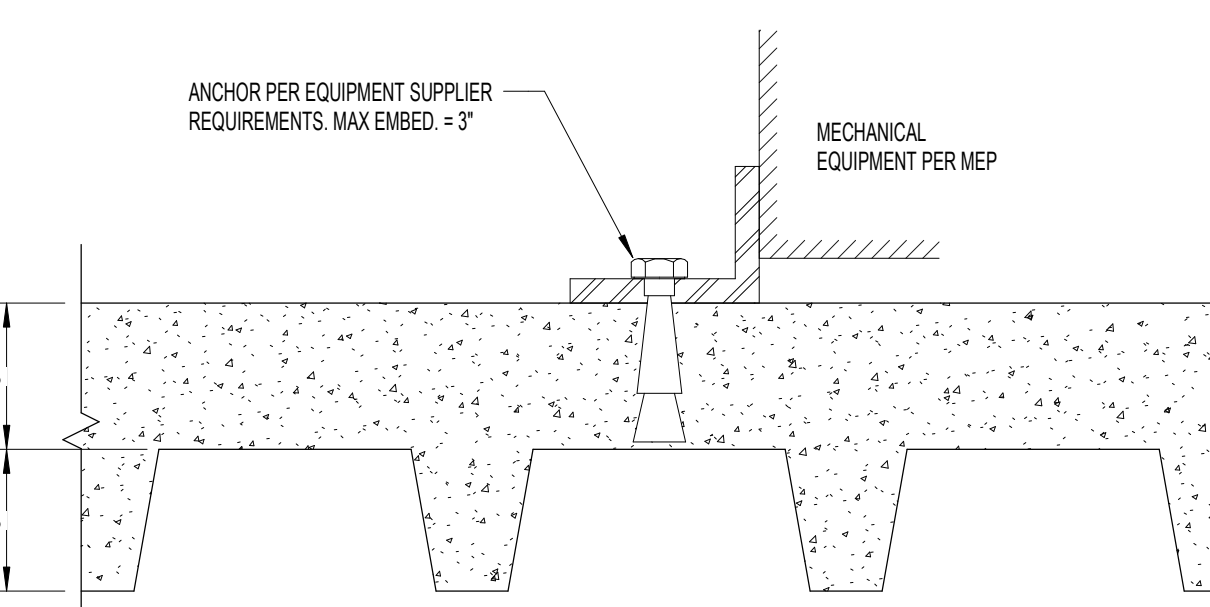
TYPICAL PIPE SUPPORT DETAIL

- NOTES:
- COORDINATE NUMBER REQUIRED, LOCATIONS AND DIMENSIONS WITH PIPING PLAN ON MP101 AND PIPING CONTRACTOR.
 - ALL STEEL TO BE HOT-DIPPED GALVANIZED.



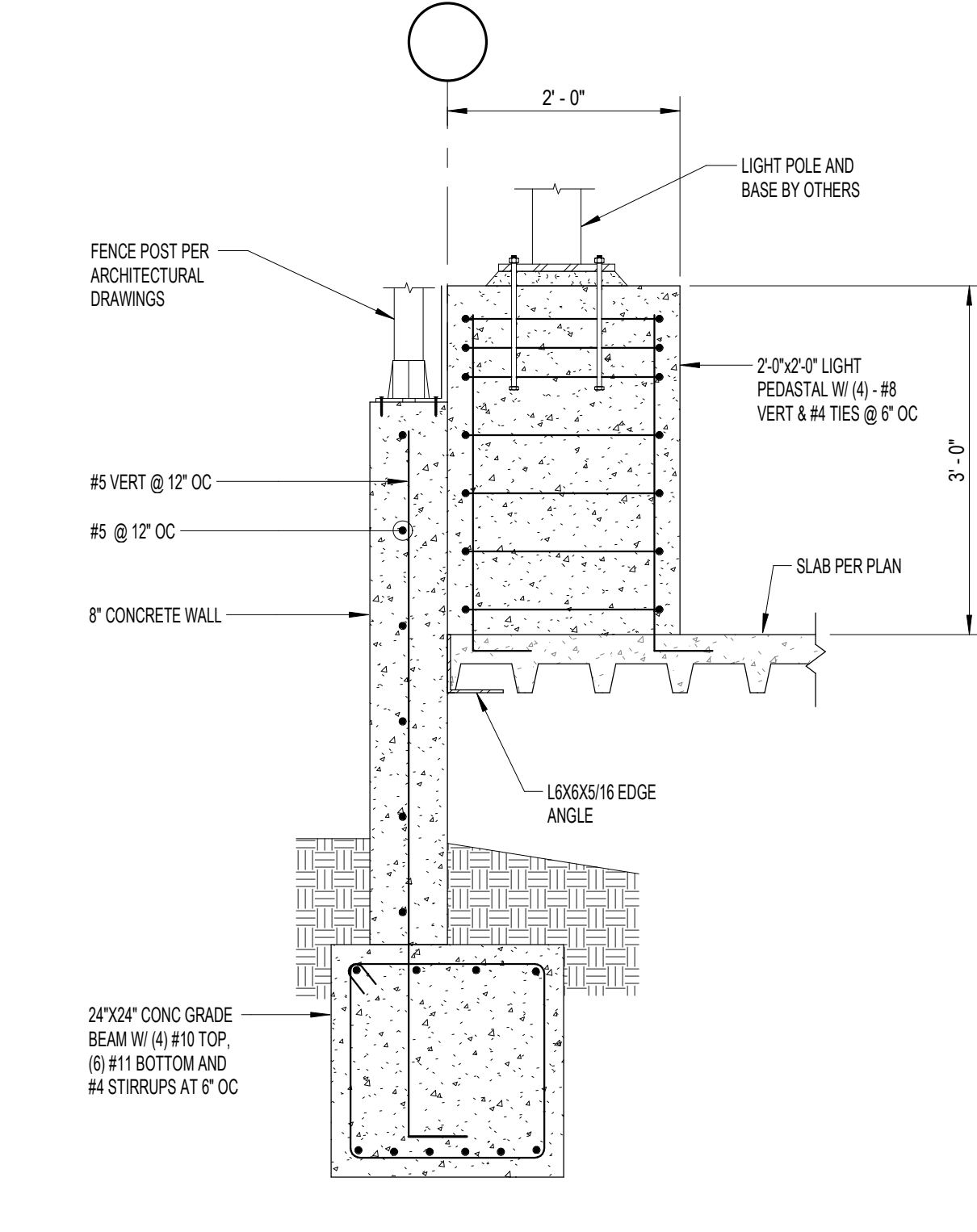
7
SB501
SCALE: 3/4" = 1'-0"

SECTION



8
SB501
SCALE: 3/4" = 1'-0"

TYPICAL POST INSTALLED EQUIPMENT ANCHOR



13
SB501
SCALE: 3/4" = 1'-0"

SECTION

		CONSULTANTS:				ARCHITECT/ENGINEERS:		Project Number 16.1026		Scale: AS NOTED		Drawing Title SECTIONS AND DETAILS		Project Title INSTALL FACILITY BACKUP GENERATOR		Project Number 581-16-101		Office Of Facilities Management	
		<div><div><div>GUIDON</div><div>DESIGN</div></div><div><div>GUIDON DESIGN INC.</div><div>905 N. CAPITOL AVE. SUITE 100 INDIANAPOLIS, IN 46204</div><div>317.880.8388 WWW.GUIDONDESIGN.COM</div><div>SUSTAINABLE ARCHITECTURE • ENGINEERING</div></div></div>		<div><div><div>21692</div><div>STATE OF</div><div>WEST VIRGINIA</div><div>REGISTERED PROFESSIONAL ENGINEER</div></div><div><div>APOGEE</div><div>Consulting Group, PA</div><div>www.acg-pa.com</div><div>Apogee Project # 2015 423</div></div></div>						Approved: Project Director		Location 1540 Spring Valley Dr., Huntington, WV 25704		Building Number		Drawing Number			
Revisions:		Date								Date 03/15/2017		Checked MAV		Drawn LKL		Department of Veterans Affairs			