

GENERAL STRUCTURAL NOTES

DESIGN CRITERIA

- D1 ALL WORK SHALL CONFORM TO AT LEAST THE MINIMUM STANDARDS OF THE FLORIDA BUILDING CODE, EIGHTH EDITION (2023).
- D2 DESIGN LOADS PER FLORIDA BLDG. CODE. SEE PLAN SHEETS FOR FLOOR AND ROOF DESIGN LOADS. WIND DESIGN PER ASCE 7-22. $V=200$ MPH (3 SECOND ULTIMATE GUST); $V_{service} = 155$ MPH. RISK CATEGORY IV. EXPOSURE C, ENCLOSED BUILDING. $h = 29'-0"$; $H = 32'-0"$; $q(wh) = 99.6$ PSF; $q(ared) = 59.9$ PSF; $a = 10'-3"$. SEE THIS SHEET FOR WALL CLADDING PRESSURES AND FOR ROOF UPLIFT PRESSURES.

GENERAL

- G1 THE GENERAL CONTRACTOR SHALL REVIEW AND DETERMINE THAT DIMENSIONS ARE COORDINATED BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
- G2 THE GENERAL CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, THE WORK PERSONS, AND OTHER PEOPLE DURING CONSTRUCTION. HE SHALL SUPERVISE AND DIRECT THE WORK AND BE RESPONSIBLE FOR ALL CONSTRUCTION.
- G3 NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH.
- G4 THE GENERAL CONTRACTOR SHALL COORDINATE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ANCHORED EMBEDDED, SUPPORTED ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- G5 ALL WINDOWS, DOORS, AND LOUVERS SHALL BE INSTALLED PER THEIR DATE COUNTY PRODUCT APPROVAL REQUIREMENTS.
- G6 SUBMIT SHOP DRAWINGS IN ELECTRONIC FORM FOR APPROVAL. PAPER COPIES WILL NOT BE SUBMITTED. FINAL SEALED SHOP DRAWINGS AND CALCULATIONS TO BE REVIEWED IN PRINTED FORM FOR SUBMISSION TO THE BUILDING DEPARTMENT AFTER INCORPORATING ALL COMMENTS FROM THE A/E DESIGN TEAM.

SLAB ON GRADE

- S1 REFER TO THE GEOTECHNICAL REPORTS NOTED ABOVE FOR PROPER PREPARATION OF THE SUBGRADE FOR THE PROJECT.
- S2 CONTROL JOINTS / SAW JOINTS FOR THE SLAB ON GRADE SHALL BE SPACED NO FARTHER THAN 16' ON CENTER IN BOTH DIRECTIONS. THE PANELS SHALL BE CLOSE TO SQUARE. SUBMIT A PROPOSED JOINT PLAN FOR A/E APPROVAL.

CONCRETE AND REINFORCING

- C1 CONCRETE WORK SHALL CONFORM TO ACI CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-19).
- C2 ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH & PROPERTIES AS FOLLOWS:
- | | | SLUMP | MAX. W/C |
|----------------|----------|-------|----------|
| TILT-UP PANELS | 4000 PSI | 5±1" | 0.55 |
| FOUNDATIONS | 3000 PSI | 5±1" | 0.58 |
| FLOORS | 4000 PSI | 5±1" | 0.54 |
- C3 CONCRETE MIX DESIGN SUBMITTALS MUST INCLUDE THE AREA IN WHICH THE CONCRETE IS TO BE PLACED (e.g. FOUNDATIONS, SLAB-ON-GRADE, FILLED CELLS, COLUMNS, etc.). FAILURE TO DO SO WILL CAUSE DELAY AND/OR REJECTION OF SUBMITTALS.
- C4 REBARS SHALL CONFORM TO ASTM-A615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- C5 MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED. REFER TO A-55.0 FOR TILT-UP PANELS.
- | | FOOTINGS | 3" |
|----------------|------------------|----|
| SLABS ON GRADE | 1 1/2" | |
| BEAMS | 1 1/2" (ON TIES) | |
| COLUMNS | 1 1/2" (ON TIES) | |
- C6 SPLICES AND ANCHORAGE OF REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED.
- | | WELDED WIRE FABRIC | 6" |
|-----------|--------------------|----|
| ALL OTHER | SEE LAP TABLE | |
- C7 REINFORCEMENT IN WALLS, FOOTINGS AND BEAMS SHALL BE CONTINUOUS AND LAPPED AS SHOWN ON NOTE M11. HOOK AND LAP ALL CORNER AND INTERSECTING BARS. (SEE TYPICAL DETAILS).
- C8 TERMINATE ALL DISCONTINUED ELEVATED SLAB TOP BARS WITH A 180 DEGREE STANDARD HOOK UNLESS OTHERWISE NOTED.
- C9 CONTINUOUS BOTTOM BARS SHALL BE SPLICED AT MIDSPAN. CONTINUOUS TOP BARS SHALL BE SPLICED AT CENTER-LINE OF SUPPORTS (OR AS SHOWN ON TYPICAL DETAILS).
- C10 AT CHANGES IN DIRECTION OF CONCRETE WALLS, STRIP FOOTINGS AND GRADE BEAMS PROVIDE CORNER BARS AT SAME SIZE AND SPACING AS HORIZONTAL BARS. (REFER TO B15.4.0)
- C11 SUBMIT CONCRETE MIX DESIGN FOR APPROVAL.

STRUCTURAL STEEL

- SS1 GENERAL CONTRACTOR SHALL ENGAGE A CERTIFIED TESTING AGENCY TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
- SS2 STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATIONS" FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS". LATEST EDITION.
- SS3 STEEL TUBING SHALL CONFORM TO ASTM A500 GRADE C.
- SS4 STRUCTURAL W, C AND MC SHAPES SHALL BE TO ASTM A992, Fy=50KSI. OTHER SHAPES, Ls, PLATES SHALL BE TO ASTM A572, GR. 50. ALL STRUCTURAL STEEL SHALL BE DOMESTICALLY PRODUCED.
- SS5 BRACE AND MAINTAIN ALL STEEL IN ALIGNMENT UNTIL OTHER PARTS OF CONSTRUCTION NECESSARY FOR PERMANENT SUPPORT ARE COMPLETED. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TEMPORARY SHORING AS REQUIRED FOR THE STABILITY OF THE STEEL FRAME UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED AND BUILDING IS ENCLOSED.
- SS6 ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF "THE STANDARD CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY. WELDING ELECTRODES SHALL BE E70XX-Low HYDROGEN FOR SHIELD AND METAL ARC WELDING. ALL WELDING TO BE PERFORMED BY CERTIFIED WELDERS.
- SS7 GROUT FOR COLUMN BASE PLATES AND PRESET BEARING PLATES SHALL BE NON-SHRINK, NON-METALIC GROUT. (5000 PSI MIN)
- SS8 SUBMIT SHOP DRAWINGS INDICATING ALL SHOP AND ERECTION DETAILS INCLUDING PROFILES, SIZES, SPACING AND LOCATIONS OF STRUCTURAL MEMBERS, CONNECTION ATTACHMENTS, FASTENERS, LOADS AND TOLERANCES.
- SS9 ALL WELDED CONN. SHALL BE 1/4" FILLET ALL AROUND, UNO. ALL BOLTED CONN. SHALL BE 3/4" DIA. A325 BOLTS, UNO.
- SS10 ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. GALVANIZE MEMBERS TO ASTM A123/A123M; PROVIDE SPECIAL HIGH GRADE GALVANIZED COATING PER ASTM B6. MINIMUM COATING THICKNESS IS 1.25 OZ / SQUARE FT FOR ALL SURFACES.
- EXPANSION ANCHORS
- EA1. CARBON STEEL EXPANSION ANCHORS SHALL HAVE A ONE PIECE ANCHOR BODY WITH A LENGTH IDENTIFICATION CODE. THE ANCHORS SHALL HAVE AN EXPANSION MECHANISM WHICH CONSISTS OF A PAIR OF INTERLOCKING INDEPENDENT WEDGES. CARBON STEEL COMPONENTS SHALL BE PLATED ACCORDING TO ASTM SPECIFICATION B 633. EXPANSION ANCHORS MUST MEET THE DESCRIPTION IN FEDERAL SPECIFICATION FF-8-326 FOR CONCRETE EXPANSION ANCHORS.
- EA2. EXPANSION ANCHORS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- EA3. EXPANSION ANCHORS SHALL HAVE A MINIMUM ULTIMATE TENSILE AND SHEAR LOADS (LBS) AS SHOWN IN SCHEDULE BELOW:

DIA.	EMBEDMENT (IN)	MIN. SPACING	MIN. EDGE DIST	F _u ≥ 3,000 psi		F _u ≥ 4,000 psi		INSTALLATION TORQUE (ft-lbs)
				TENSILE	SHEAR	TENSILE	SHEAR	
1/2"	2 1/4"	3 1/2"	6 3/4"	4250	7360	5450	7360	65
				8000	9200	8000	9200	
				8650	9200	9500	9200	
5/8"	2 3/4"	4"	8"	7000	11500	8000	11500	110
				10770	14200	12350	14200	
				13000	14200	14000	14200	
3/4"	3 1/4"	4 3/4"	11 1/4"	8700	15500	10000	15500	235
				15500	19200	18000	19200	
				18200	19200	22000	19200	
1"	4 1/2"	6"	13 1/2"	15200	28500	17500	30500	450
				22500	34500	26500	34500	
				28750	34500	32500	34500	

EXTERIOR LIGHT GAGE METAL FRAMING

- MS1 DESIGN OF LIGHT GAGE METAL FRAMING AND THEIR CONNECTIONS TO THE SUPPORTING STRUCTURE IS A DELEGATED ITEM FOR THIS PROJECT. ALL STUD SIZES SHOWN SHALL BE USED FOR BID PURPOSES BUT THE FINAL DESIGN OF THE METAL FRAMING ELEMENTS SHALL BE BY THE SPECIALTY ENGINEER OF RECORD.
- MS2 MINIMUM GAGE OF MATERIAL SHALL BE 18 GAGE WHERE SHEATHING IS ATTACHED, (I.E. SOFFIT STUDS, ROOF STUDS, ETC.), ALL MATERIAL TO BE GALVANIZED G90.
- MS3 SPECIALTY ENGINEER SHALL HAVE A MINIMUM OF 5 YEARS EXPERIENCE IN SIMILAR STRUCTURAL DESIGNS.
- MS4 REBARS SHALL SHOW ALL PERMINENT BRACING AND BLOCKING REQUIREMENTS.
- MS5 SEE NOTE G6 ON THIS SHEET REGARDING SUBMISSION REQUIREMENTS.

TILT-UP PANELS

- TU1 ALL PANELS ARE VIEWED FROM THE INSIDE
- TU2 PANEL THICKNESS SHALL BE AS INDICATED IN THE SCHEDULE. SPECIAL ATTENTION MUST BE GIVEN THE LOCATION AND PLACEMENT OF THE REINFORCING
- TU3 REFER TO THE ARCHITECTURAL DRAWINGS FOR FINISH REQUIREMENTS, CHAMFERS, REVEALS, ETC.
- TU4 PANELS SHALL NOT BE LIFTED UNTIL THE CONCRETE HAS ATTAINED THE MINIMUM MODULUS OF RUPTURE AND COMPRESSIVE STRENGTH AS REQUIRED BY THE LIFTING ENGINEER.
- TU5 THE CONTRACTOR SHALL PROVIDE DESIGN FOR THE LIFT INSERTS AND ANY ADDITIONAL REINFORCING STEEL REQUIRED FOR THE LIFTING OPERATION. HOWEVER NO ADDITIONAL REINFORCING SHALL BE ADDED WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER. THE DESIGNERS OF THE LIFTING INSERTS MUST CONSIDER THE REINFORCING ALREADY PRESENT IN THE PANELS AS INDICATED IN THIS SET OF CONSTRUCTION DRAWINGS.
- TU6 THE CONTRACTOR SHALL CHECK ALL PANEL DIMENSIONS, PLATE LOCATIONS, AND DETERMINE THE LOCATIONS OF ALL OPENINGS REQUIRED. NO PANEL WORK SHALL BE PERFORMED WITHOUT THE CONTRACTORS APPROVAL OF ALL THE ABOVE. THE CONTRACTOR IS INDICATING THAT HE HAS REVIEWED THE ABOVE AND APPROVES OF THE PANEL DRAWINGS FOR ACCURACY BY THE COMMENCEMENT OF PANEL CONSTRUCTION EVEN IF FORMAL STAMPED APPROVAL HAS NOT BEEN INDICATED ON THOSE DRAWINGS.
- TU7 MISCELLANEOUS OPENINGS MAY BE REQUIRED FOR FIRE LINES, PLUMBING, SANITARY LINES, ELECTRICAL CONDUITS, ETC. CORE DRILLING AFTER ERECTION OF THE PANELS MUST HAVE THE APPROVAL OF THE ARCHITECT AND ENGINEER PRIOR TO PERFORMING THE WORK.
- TU8 THE REINFORCING STEEL SUPPLIER SHALL PROVIDE SHOP DRAWINGS INDICATING ALL THE NECESSARY INFORMATION REQUIRED TO ACCURATELY POSITION THE REBAR AS INDICATED. ENSURE CHAIRS, BOLSTERS OR OTHER MEANS OF SUPPORTING THE BARS ARE PROVIDED AND ACCURATELY DETAILED.

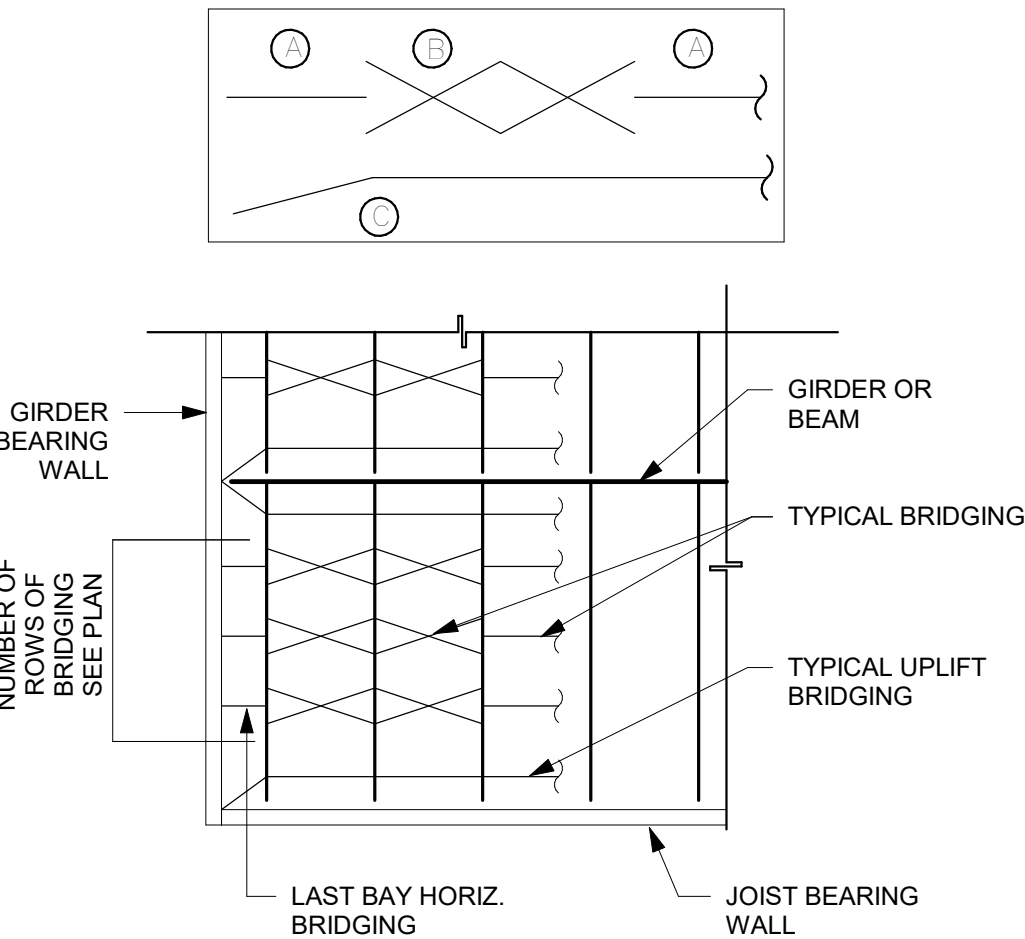
STEEL JOISTS

- SJ1 GENERAL CONTRACTOR SHALL ENGAGE A CERTIFIED TESTING AGENCY TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.
- SJ2 ALL DESIGN, FABRICATION AND ERECTION OF STEEL JOISTS AND BRIDGING SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT SPECIFICATIONS OF STEEL JOIST INSTITUTE AND RECOMMENDED CODE OF STANDARD PRACTICE.
- SJ3 THE ENDS OF ALL BRIDGING LINES TERMINATING AT WALLS OR BEAMS SHALL BE ANCHORED TO THE WALL OR BEAM.
- SJ4 ALL STEEL JOISTS ARE TO BE CAMBERED AS SPECIFIED BY SJI.
- SJ5 PROVIDE BOTTOM AND/OR TOP CHORD EXTENSIONS AS SHOWN ON DRAWINGS.
- SJ6 UNLESS NOTED OTHERWISE, MINIMUM JOIST BEARING SHALL BE 2 1/2" ON A STEEL MEMBER OR EMBED PLATE.
- SJ7 BRIDGING SHALL BE FURNISHED AND INSTALLED TO MEET THE SIZE AND SPACING REQUIREMENTS OF THE SJI STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS. ALL BRIDGING AND BRIDGING ANCHORS SHALL BE COMPLETELY INSTALLED BEFORE CONSTRUCTION LOADS ARE PLACED ON THE JOISTS. THE LAST TWO JOIST SPACES IN A LINE OF BRIDGING SHALL BE "X" TYPE. ALL JOISTS 40'-0" OR LONGER REQUIRE A ROW OF BOLTED BRIDGING TO BE IN PLACE BEFORE SLACKENING OF HOISTING LINES. OTHER JOISTS REQUIRE SIMILAR BRIDGING CONSULT LATEST SJI SPECIFICATIONS.
- SJ8 ALL HANGERS TO SUPPORT MECHANICAL EQUIPMENT, ETC. TO BE SUPPORTED BY THE BOTTOM CHORD OF JOISTS SHALL BE LOCATED AT THE PANEL POINT OF THE JOIST. IF HANGERS MUST BE LOCATED BETWEEN PANEL POINTS, PROVIDE JOIST STIFFENERS. 1 1/2 x 1 1/2 x 3/16 JOIST STIFFENERS MUST BE INSTALLED FROM HANGER TO OPPOSITE CHORD PANEL POINT BEFORE LOAD IS APPLIED.
- SJ9 CONTRACTOR TO FURNISH BAR JOIST CERTIFICATIONS SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION.
- SJ10 FOR NET UPLIFT SEE NET UPLIFT PLAN ON SHEET S1.02 PROVIDE UPLIFT BRIDGING.
- SJ11 ALL SPRINKLER AND ROOF DRAIN PIPES MUST BE SUPPORTED NO FURTHER THAN 3' FROM THE JOIST TOP CHORD PANEL POINTS. THIS WILL BE STRICTLY ENFORCED. WHEN PIPES ARE PERPENDICULAR TO JOISTS, HANGERS SHALL BE PROVIDED EVERY OTHER JOIST (APPROX 10'-0" OC). WHEN PIPES ARE PARALLEL TO JOISTS, TWO CASES EXIST. FIRST, PIPES THAT ARE 4" AND LESS MAY BE SUPPORTED BY A SINGLE JOIST WITH HANGERS NOT TO EXCEED 10'-0" OC. SECOND, PIPES THAT ARE LARGER THAN 4" MUST BE CENTERED BETWEEN TWO JOISTS AND SUPPORTED FROM 1/4x3/16 ANGLE BEARING ON JOIST TOP CHORD. PANEL POINTS WITH SPACING NOT TO EXCEED 10'-0" OC. GENERAL CONTRACTOR SHALL COORDINATE THESE REQUIREMENTS WITH THE APPROPRIATE TRADES.
- SJ12 ALL ITEMS SUSPENDED FROM JOISTS (I.E. CATWALKS, BALCONIES, OPERABLE PARTITIONS, etc...) SHALL BE INSTALLED AFTER DEAD LOAD HAS BEEN APPLIED.

JOIST BRIDGING NOTES:

- JB1 BRIDGING STANDARD WITH THE MANUFACTURER AND COMPLYING WITH THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS LOAD TABLES AND WEIGHT TABLES OF THE LATEST ADOPTION SHALL BE USED FOR BRIDGING ALL JOISTS FURNISHED BY THE MANUFACTURER. POSITIVE ANCHORAGE SHALL BE PROVIDED AT THE ENDS OF EACH BRIDGING ROW AT BOTH TOP AND BOTTOM CHORDS. SEE SHEET S1.01 FOR SAMPLE OF BRIDGING REQUIREMENTS AS PUBLISHED IN THE VULCRAFT 2017 MANUAL.
- JB2 FOR "K" AND "LH" SERIES JOISTS HORIZONTAL BRIDGING IS RECOMMENDED FOR SPANS UP TO AND INCLUDING 60 FEET EXCEPT WHERE THE STEEL JOIST INSTITUTE STANDARD SPEC LOAD TABLES & WEIGHT TABLES REQUIRE BOLTED DIAGONAL BRIDGING FOR ERECTION STABILITY.
- JB3 "LH" AND "DLH" SERIES JOISTS EXCEEDING 60 FEET IN LENGTH SHALL HAVE BOLTED DIAGONAL BRIDGING FOR ALL ROWS.
- JB4 REFER TO SJI SECTION 8 IN THE "K" SERIES SPECIFICATIONS AND SECTION 105 IN THE "LH" AND "DLH" SERIES SPECIFICATIONS FOR ERECTION STABILITY REQUIREMENTS.
- JB5 REFER TO APPENDIX E FOR OSHA STEEL JOIST ERECTION STABILITY REQUIREMENTS.
- JB6 HORIZONTAL BRIDGING SHALL CONSIST OF CONTINUOUS HORIZONTAL STEEL MEMBERS. THE I/R RATIO FOR HORIZONTAL BRIDGING SHALL NOT EXCEED 300.
- JB7 DIAGONAL CROSS BRIDGING CONSISTING OF ANGLES OR OTHER SHAPES CONNECTED TO THE TOP AND BOTTOM CHORDS, OF "K", "LH" AND "DLH" SERIES JOISTS SHALL BE USED WHEN REQUIRED BY THE APPLICABLE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS LOAD TABLES AND WEIGHT TABLES OF LATEST ADOPTION.
- JB8 DIAGONAL BRIDGING, WHEN USED, SHALL HAVE AN I/R RATIO < 200.
- JB9 WHEN BOLTED DIAGONAL ERECTION BRIDGING IS REQUIRED, THE FOLLOWING SHALL APPLY:
- A. THE BRIDGING SHALL BE INDICATED ON THE JOIST LAYOUT PLAN.
- B. THE JOIST LAYOUT PLAN SHALL BE THE EXCLUSIVE INDICATOR FOR THE PROPER PLACEMENT OF THIS BRIDGING.
- C. SHOP INSTALLED BRIDGING CLIPS, OR FUNCTIONAL EQUIVALENT SHALL BE PROVIDED WHERE THE BRIDGING BOLTS TO THE STEEL JOISTS.
- D. WHEN TWO PIECES OF BRIDGING ARE ATTACHED TO THE STEEL JOIST BY A COMMON BOLT, THE NUT THAT SECURES THE FIRST PIECE OF BRIDGING SHALL NOT BE REMOVED FROM THE BOLT FOR THE ATTACHMENT OF THE SECOND PIECE.
- E. BRIDGING ATTACHMENTS SHALL NOT PROTRUDE ABOVE THE TOP CHORD OF THE STEEL JOISTS.
- JB10 PROVIDE UPLIFT BRIDGING AT FIRST BOTTOM CHORD PANEL POINT EACH END OF JOIST. REFER TO SECTION A/S1.00 FOR UPLIFT BRIDGING CONNECTION DETAILS.
- JB11 DO NOT WELD BRIDGING TO JOIST WEB MEMBERS. DO NOT HANG ANY MECHANICAL, ELECTRICAL, PLUMBING, ETC. FROM BRIDGING.
- JB12 BRIDGING LEGEND FOR PLAN BELOW:

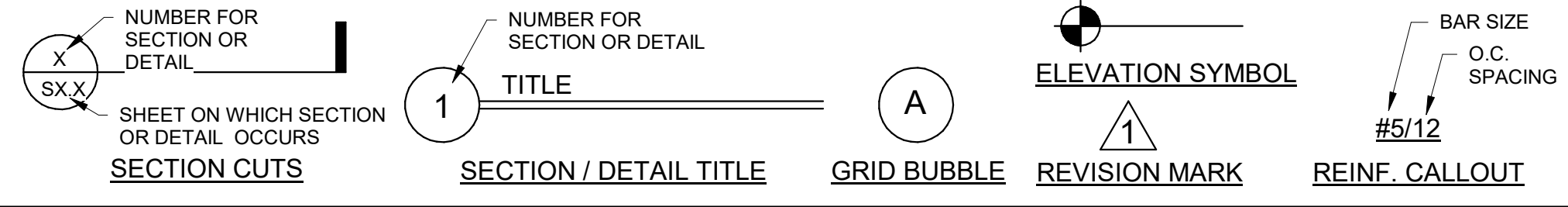
- (A) HORIZONTAL BRIDGING ATTACHED TO TOP & BOTTOM CHORD
- (B) BOLTED OR WELDED CROSS BRIDGING AS SHOWN
- (C) SINGLE LINE HORIZONTAL UPLIFT BRIDGING



STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	EJ	EXPANSION JOINT	OPP	OPPOSITE
ABV	ABOVE	ENG	ENGINEER	PAF	POWDER ACTUATED FASTENERS
A.C.I.	AMERICAN CONCRETE INSTITUTE	EL	ELEVATION	PERP	PERPENDICULAR
ADDL	ADDITIONAL	EQ	EQUAL	PC	PRECAST
AFF	ABOVE FINISH FLOOR	EQ SP	EQUAL SPACE(S) (ING)	PL	PLATE
AGGR	AGGREGATE	ES	EACH SIDE	PLYWD	PLYWOOD
A.I.S.C.	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EW	EACH WAY	PNL	PANEL
A.I.S.I.	AMERICAN IRON AND STEEL INSTITUTE	EXT	EXTERIOR	PSF	POUNDS PER SQUARE FOOT
AL	ALUMINUM	FI	FACE OF	PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	FD	FLOOR DRAIN	PTN	PARTITION
ARCH	ARCHITECTURAL	FDN	FOUNDATION	RAD	RADIUS
A.S.T.M.	AMERICAN SOCIETY OF TESTING MATERIALS	FL	FLOOR	REF	REFERENCE
A.W.S.	AMERICAN WELDING SOCIETY	FT	FOOT	REINF	REINFORCE(D) (ING)
B/	BOTTOM OF	FTG	FOOTING	REQ	REQUIRED
BB	BOND BEAM	GA	GAGE, GAUGE	REQD	REQUIRED
BLDG	BUILDING	GALV	GALVANIZE	RF	ROOF
BLW	BELOW	GB	GRADE BEAM	RTN	RETURN
BM	BEAM	GC	GENERAL CONTRACTOR	SCH	SCHEDULE
BOT	BOTTOM	GLB	GULL-LAM BEAM	SE	SLAB EDGE
BP	BASE PLATE	GR	GRADE	SECT	SECTION
BRDG	BRIDGING	HC	HOLLOW CORE	SHT	SHEET
BRG	BEARING	HK	HOOK	SIM	SIMILAR
BRK	BRICK	HORIZ	HORIZONTAL	SJ	SAW-CUT JOINT
BS	BOTH SIDES	HP	HIGH POINT	SJI	STEEL JOIST INSTITUTE
BTJ	BOLTED TIE JOIST	HS	HEADED STUD	SL	SLOPE
BTWN	BETWEEN	ID	INSIDE DIAMETER	SP	SPACE(S)
C	CENTER TO CENTER	IF	INSIDE FACE	SYP	SPECIFICATIONS
CANT	CANTILEVER	INT	INTERIOR	STR	SQUARE
CB	CONCRETE BEAM	INT	JOIST	SS	STAINLESS STEEL
CC	CONCRETE COL	K	KIP	STD	STANDARD
CIP	CAST IN PLACE	KO	KNOCK OUT	STL	STEEL
CJ	CONSTRUCTION JOINT OR CONTROL JOINT	LG	LONG	STR	STRENGTH
CL	CENTERLINE	LL	LIVE LOAD	STRL	STRUCTURAL
CLR	CLEAR(ANCE)	LLH	LONG LEG HORIZONTAL	SW	SHEAR WALL
CMU	CONCRETE MASONRY	LLV	LONG LEG VERTICAL	SYMM	SYMMETRICAL
COL	COLUMN	LNTL	LINTEL	SYP	SOUTHERN YELLOW PINE
CONC	CONCRETE	LSL	LONG SLOTTED HOLES	TB	TIE BEAM
CONN	CONNECTION	LONG	LONGITUDINAL	T&B	TOP & BOTTOM
CONT	CONTRACTOR	LP	LOW POINT	TC	TIE COLUMN
CONTR	CONTRACTOR	MAS	MASONRY	TDS	TURN DOWN SLAB
CSK	COUNTER SINK	MAX	MAXIMUM	TEMP	TEMPERATURE
CTR	CENTER	MBM	METAL BUILDING MFR	THK	THICK
CTRD	CENTERED	MC	MOMENT CONNECTION	THNS	THICKEN SLAB
DIA	DIAMETER	MCJ	MASONRY CONTROL JT	TOPG	TOPPING
DL	DEAD LOAD	MECH	MECHANICAL	TYP	TYPICAL
DN	DOWN	MEZZ	MEZZANINE	TY	TOP OF
DNL	DETAIL	MFR	MANUFACTURE(ER)	UNO	UNLESS NOTED OTHERWISE
DWG	DRAWING	MIN	MINIMUM	VERT	VERTICAL
EWA	EACH END	MO	MASONRY OPENING	WF	WALL FOOTING
EE	EACH FACE	MS	METAL STUD	WO	WINDOW OPENING (MASONRY)
		MTL	METAL	WP	WORKING POINT
		NS	NEAR SIDE	WS	WATERSTOP
		NTS	NOT TO SCALE	WWF	WELDED WIRE FABRIC
		OA	OVERALL	W/	WITH
		OC	ON CENTER		
		OD	OUTSIDE DIA.		
		OF	OUTSIDE FACE		
		OPNG	OPENING		

SYMBOL LEGEND



WALL WIND PRESSURES - SERVICE

OPENING AREA	POSITIVE WIND PRESSURE	NEGATIVE ZONE 4 PRESSURE	NEGATIVE ZONE 5 PRESSURE
10 SF	54.9 PSF	-59.5 PSF	-73.3 PSF
20 SF	52.6 PSF	-57.1 PSF	-68.4 PSF
35 SF	50.5 PSF	-55.1 PSF	-64.5 PSF
50 SF	49.3 PSF	-53.9 PSF	-62.0 PSF
75 SF	47.9 PSF	-52.4 PSF	-59.1 PSF
100 SF	46.9 PSF	-51.4 PSF	-57.1 PSF
150 SF	45.4 PSF	-50.0 PSF	-54.2 PSF
200 SF	44.4 PSF	-49.0 PSF	-52.2 PSF
350 SF	42.5 PSF	-47.0 PSF	-48.3 PSF
500 SF	41.2 PSF	-45.8 PSF	-45.8 PSF
LOADS PER ASCE 7-16 DESIGN PARAMETERS - SEE NOTE D2 FOR "s" DIMENSION. PRESSURES SHOWN ARE SERVICE LOAD PRESSURES = 0.6 * ULTIMATE			

CLASS B TENSION LAP SPLICES

BAR SIZE	F _c 3000 PSI	F _c 4000 PSI	F _c 5000 PSI
#3	32"	28"	25"
#4	43"	37"	33"
#5	53"	46"	41"
#6	64"	55"	50"
#7	93"	81"	72"
#8	107"	92"	83"
#9	120"	104"	93"
#10	136"	117"	105"
#11	151"	130"	117"
LAP LENGTHS SHOWN ARE FOR WORST CASE CLASS B TENSION LAPS			

CLIENT



CITY OF RIVIERA BEACH
1481 West 15 Street
Riviera Beach, FL 33404

ARCHITECT



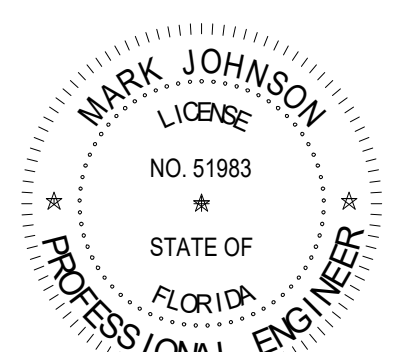
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CONTRACTOR/DEVELOPER



CORE CONSTRUCTION
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REGISTRATION



DRAWING HISTORY

NO.	DATE	DESCRIPTION
A	04/04/2025	100% Design Development
B	07/22/2025	50% Construction Documents
C	09/18/2025	90% Construction Documents
D	10/14/2025	90% Construction Documents / Permit Set



PROJECT STATUS

90% CDs / PERMIT SET

DATE OF ISSUE

10/14/2025

PROJECT NAME

RIVIERA BEACH
POLICE
DEPARTMENT
EVIDENCE AND
FIRE RANGE
PROJECT LOCATION
2125 AVENUE S.
RIVIERA BEACH, FL
33404

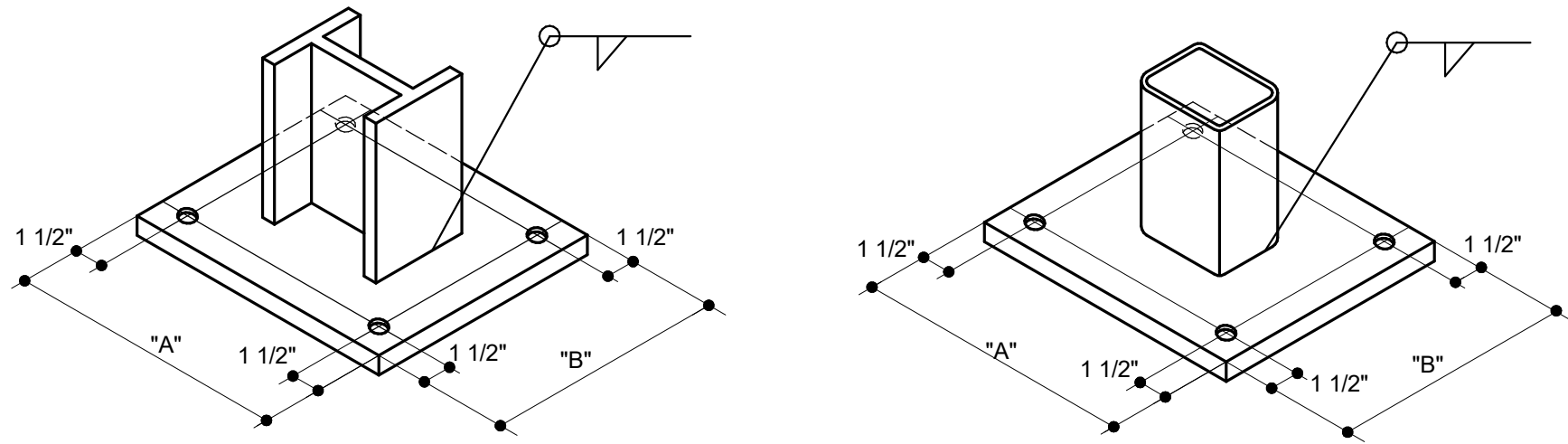
PROJECT NUMBER

FILE NAME: C:\USC\ISC C Drive\24115- Riviera Beach Police\Revit 2024\24115 RBPD_EFR_S_P24_Clear Span.rvt
DATE STAMP: 10/23/2025 11:51:07 AM

STEEL COLUMN / BASE PLATE SCHEDULE							
COLUMN SIZE	Base Plate			Anchor Bolt		Cap Plate	Remarks
	A	B	T	E	D		
HSS10X10X1/4 2	16"	16"	1"	8"	3/4"	1"	HSS-Hollow Structural Section-Column
W10X33 1	16"	16"	1"				W-Wide Flange-Column
W12X85 1							W-Wide Flange-Column
Grand total: 4							

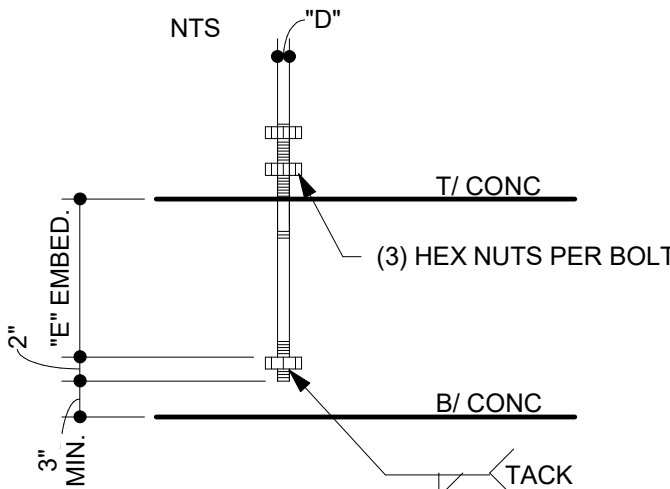
FOUNDATION SCHEDULE - PAD FOOTINGS					
MARK	SIZE			REINFORCING	
	LENGTH	WIDTH	DEPTH	LONGITUDINAL	TRANSVERSE
F1	7'-0"	5'-0"	1'-0"	(8) #5 BOTT.	(8) #5 BOTT.
F2	7'-0"	6'-0"	1'-6"	(8) #5 T&B	(7) #5 T&B
F3	8'-0"	4'-0"	1'-3"	(5) #5 BOTT.	(8) #5 BOTT.
F50	5'-0"	5'-0"	1'-0"	(6) #5 BOTT.	(6) #5 BOTT.
F60	6'-0"	6'-0"	1'-6"	(8) #5 BOTT.	(8) #5 BOTT.
F60A	6'-0"	6'-0"	1'-6"	(8) #5 T&B	(8) #5 T&B
F70	7'-0"	7'-0"	1'-6"	(9) #5 BOTT.	(9) #5 BOTT.
F76	7'-6"	7'-6"	1'-6"	(10) #5 BOTT.	(10) #5 BOTT.
F80	8'-0"	8'-0"	2'-0"	(10) #6 BOTT.	(10) #6 BOTT.
F80A	8'-0"	8'-0"	2'-0"	(10) #6 T&B	(10) #6 T&B
Grand total: 13					

FOUNDATION SCHEDULE - WALL FOOTINGS				
MARK	SIZE	FND THICKNESS	REINFORCING	
	WIDTH		LONGITUDINAL	TRANSVERSE
WF20	2'-0"	1'-0"	(3) #5 BOTTOM	#5 AT 16" O.C. BOTT.
WF26	2'-6"	1'-0"	(3) #5 BOTTOM	#5 AT 16" O.C. BOTT.
WF30	3'-0"	1'-0"	(4) #5 BOTT.	#5 AT 14" O.C. BOTT.
WF36	3'-6"	1'-0"	(4) #5 BOTT.	#5 AT 14" O.C. BOTT.
WF40	4'-0"	1'-6"	(5) #5 T & B	#5 AT 12" O.C. T&B
WF66	6'-6"	1'-6"	(8) #5 T & B	#5 AT 9" O.C. T&B
Grand total: 21				



BASE PLATE DETAIL

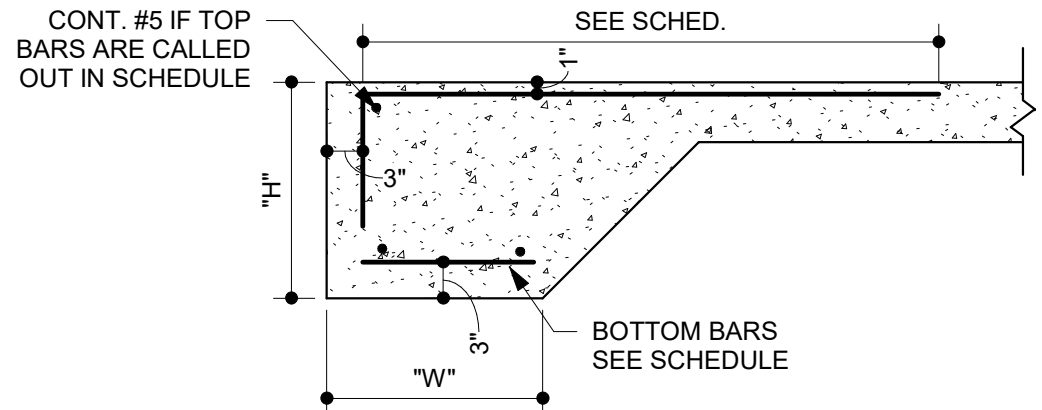
BASE PLATE DETAIL



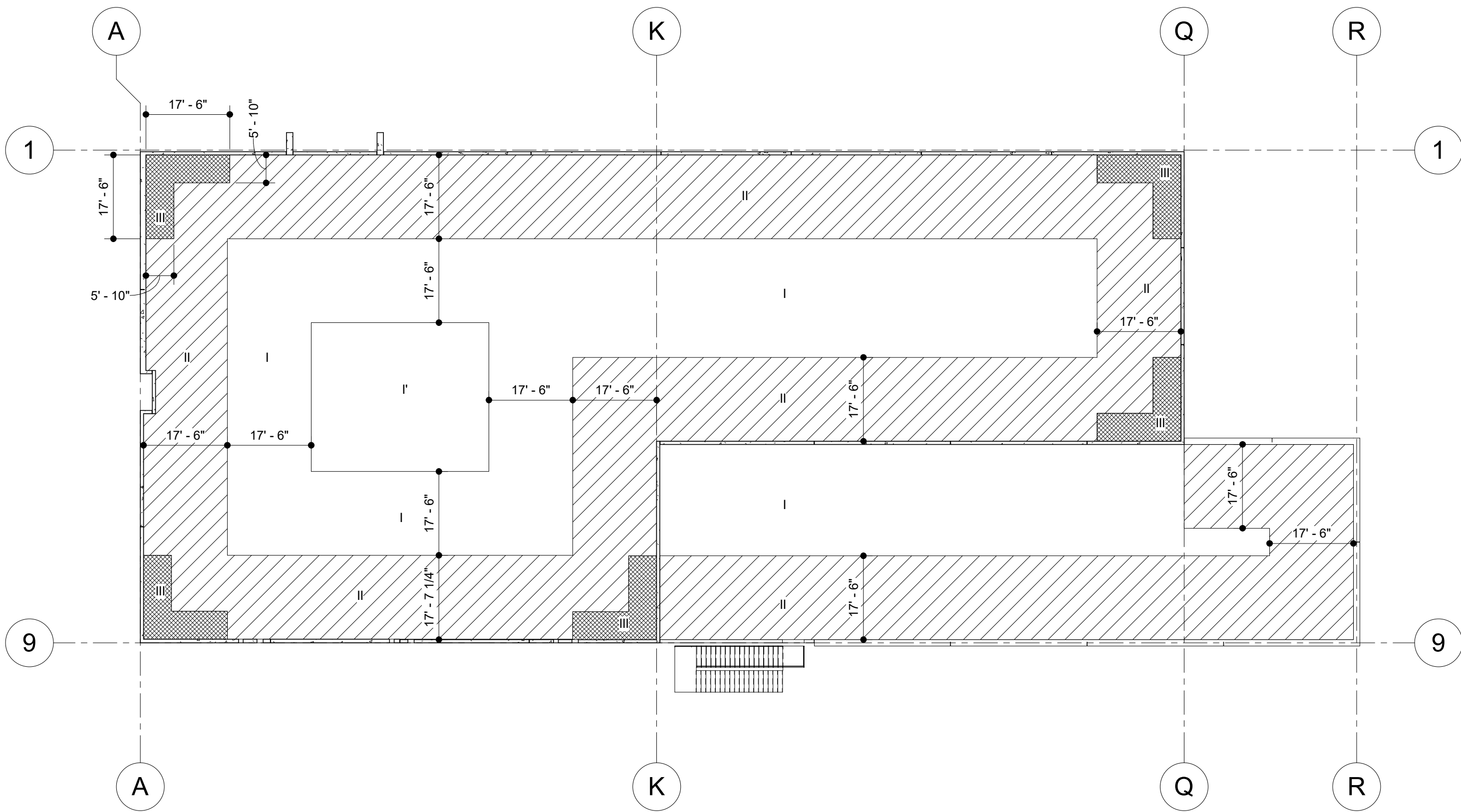
BOLTS TO BE F1554 GRADE 36 UNLESS NOTED OTHERWISE

ANCHOR BOLT DETAIL

TURN DOWN SLAB SCHEDULE			
MARK	SIZE OF TDS	BOTTOM REINFORCEMENT	TOP REINFORCEMENT
TDS10	CONT. x 12"W x 16"H	(2) #5 CONT. & #5 AT 18" TRANS	
TDS16	CONT. x 18"W x 24"H	(2) #5 CONT. & #5 AT 18" TRANS	#4 x 4'-0" + HOOK AT 18" O.C.



TURN DOWN SLAB DETAIL



1 ROOF UPLIFT PLAN
1" = 20'-0"

EVIDENCE UPLIFT PLAN
SERVICE

ZONE	*ROOF JOISTS	*JOIST GIRDERS	ROOFING
I	-29.5 PSF	-21.2 PSF	-54.9 PSF
II	-60.0 PSF	-38.8 PSF	-95.6 PSF
III	-80.4 PSF	-47.3 PSF	-126 PSF
IV	-80.4 PSF	-47.3 PSF	-172 PSF
* GROSS UPLIFT PRESSURE SHOWN LOADS PER ASCE 7-22 DESIGN PARAMETERS: 0.6h = 17'-6", 0.2h = 5'-10" PRESSURES SHOWN ARE SERVICE LOAD PRESSURES = 0.6 * ULTIMATE			

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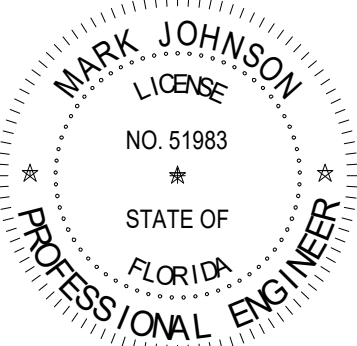
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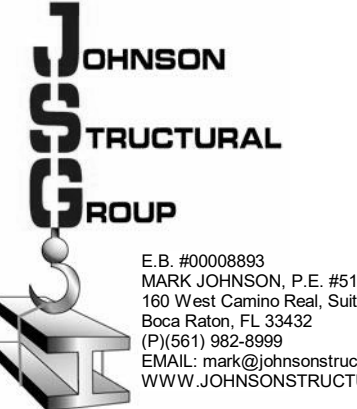
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REGISTRATION



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PROJECT STATUS

90% CDs /
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DATE OF ISSUE

10/14/2025

PROJECT NAME

RIVIERA BEACH
POLICE
DEPARTMENT
EVIDENCE AND
FIRE RANGE
PROJECT LOCATION

2125 AVENUE S.
RIVIERA BEACH, FL
33404

PROJECT NUMBER

JSG #24115

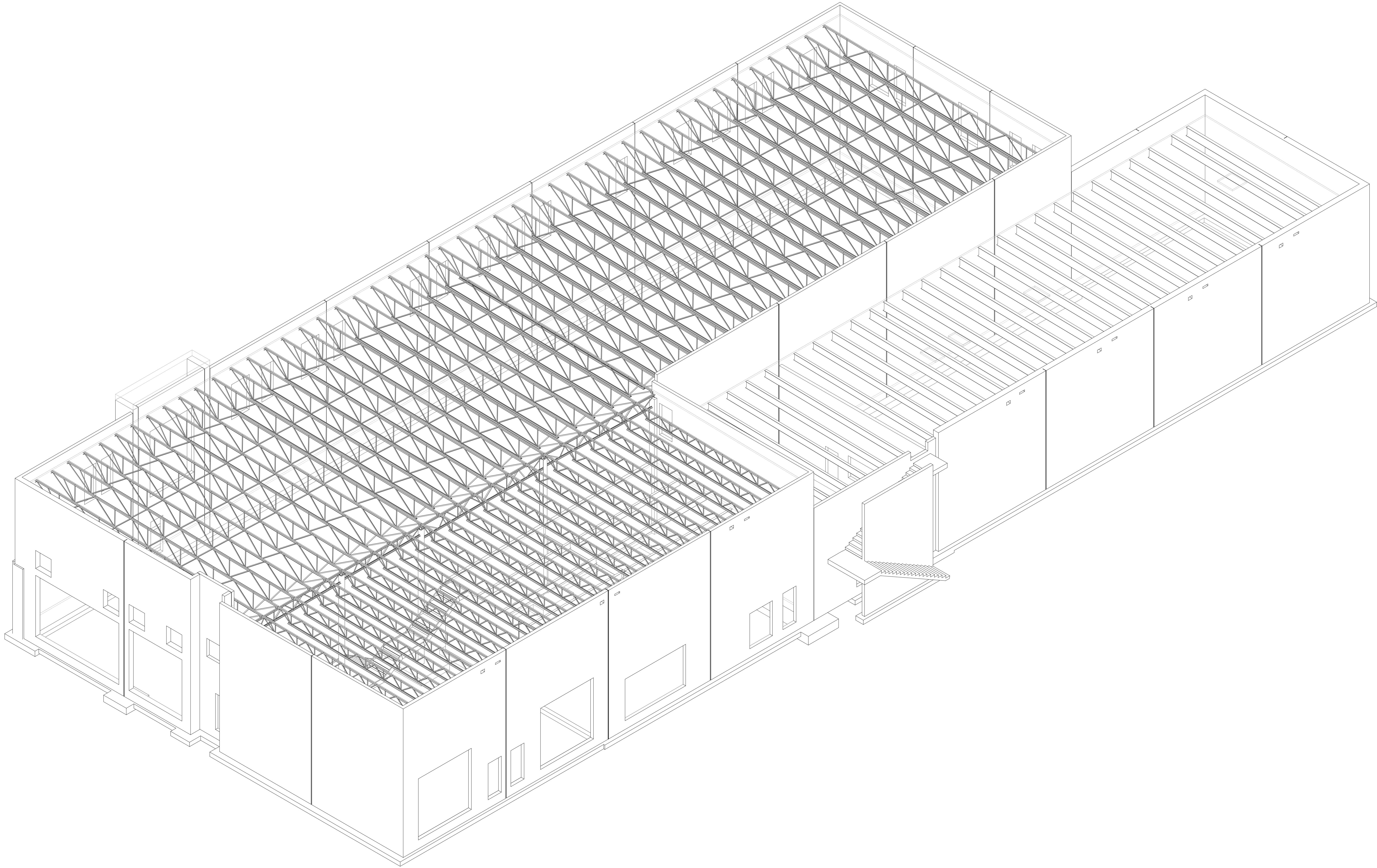
SHEET TITLE

SCHEDULES

SHEET NUMBER

S1.1E

FILE NAME: C:\USC\ISC C Drive\24115- Riviera Beach Police\Revit 2024\24115 RRPD_EFR_S_R24_Clear Span.rvt
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1 BUILDING ISOMETRIC 1

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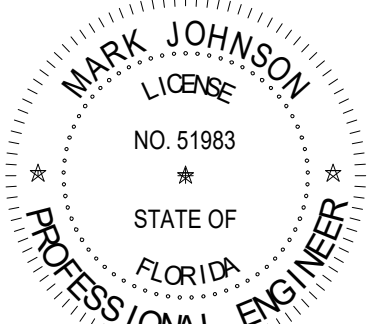
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RIVIERA BEACH, FL
33404

PROJECT NUMBER

JSG #24115

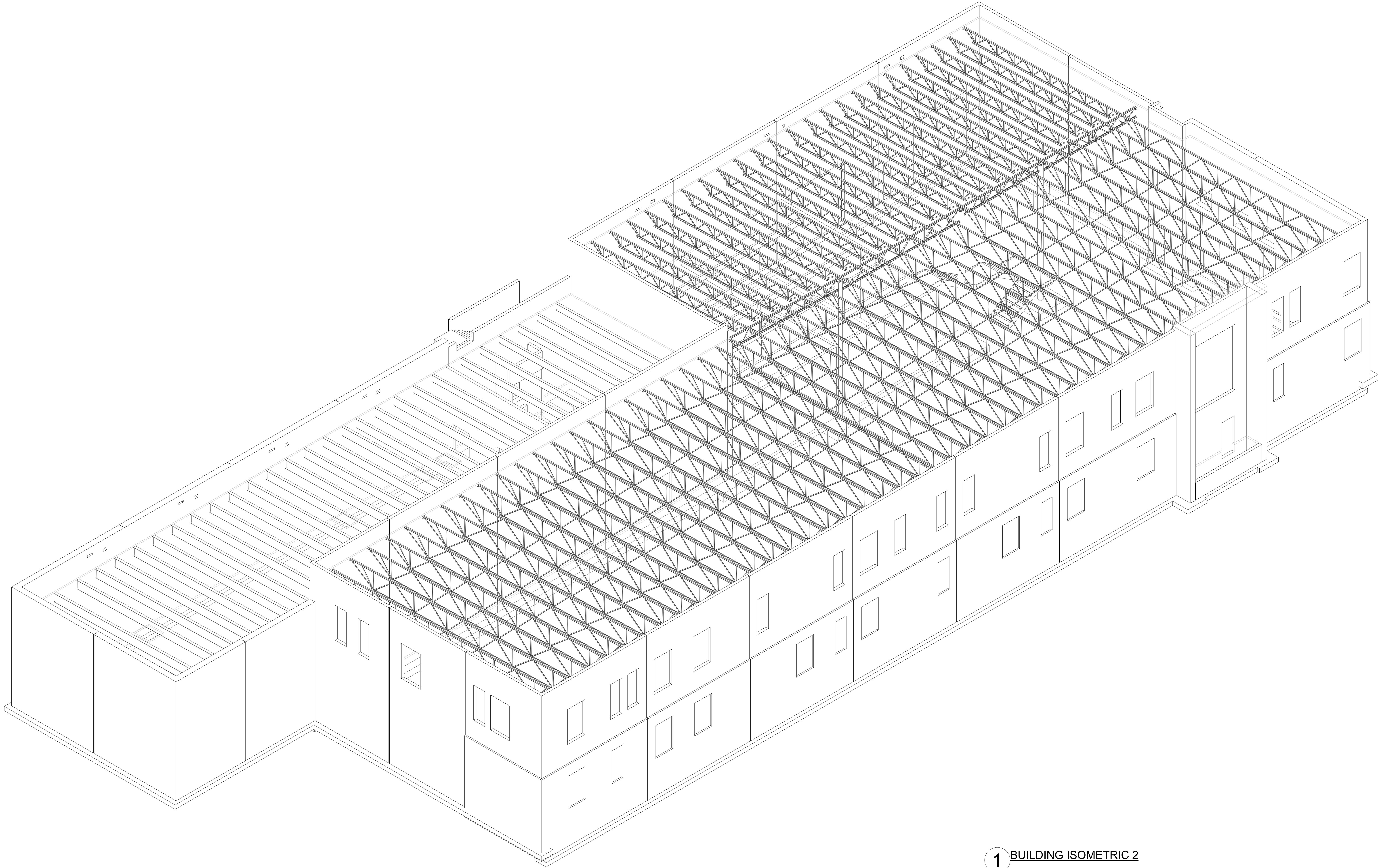
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BUILDING
ISOMETRICS

SHEET NUMBER

S1.2E

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1 BUILDING ISOMETRIC 2

CLIENT



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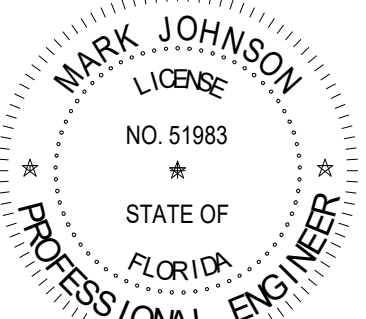
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PROJECT LOCATION

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RIVIERA BEACH, FL
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JSG #24115

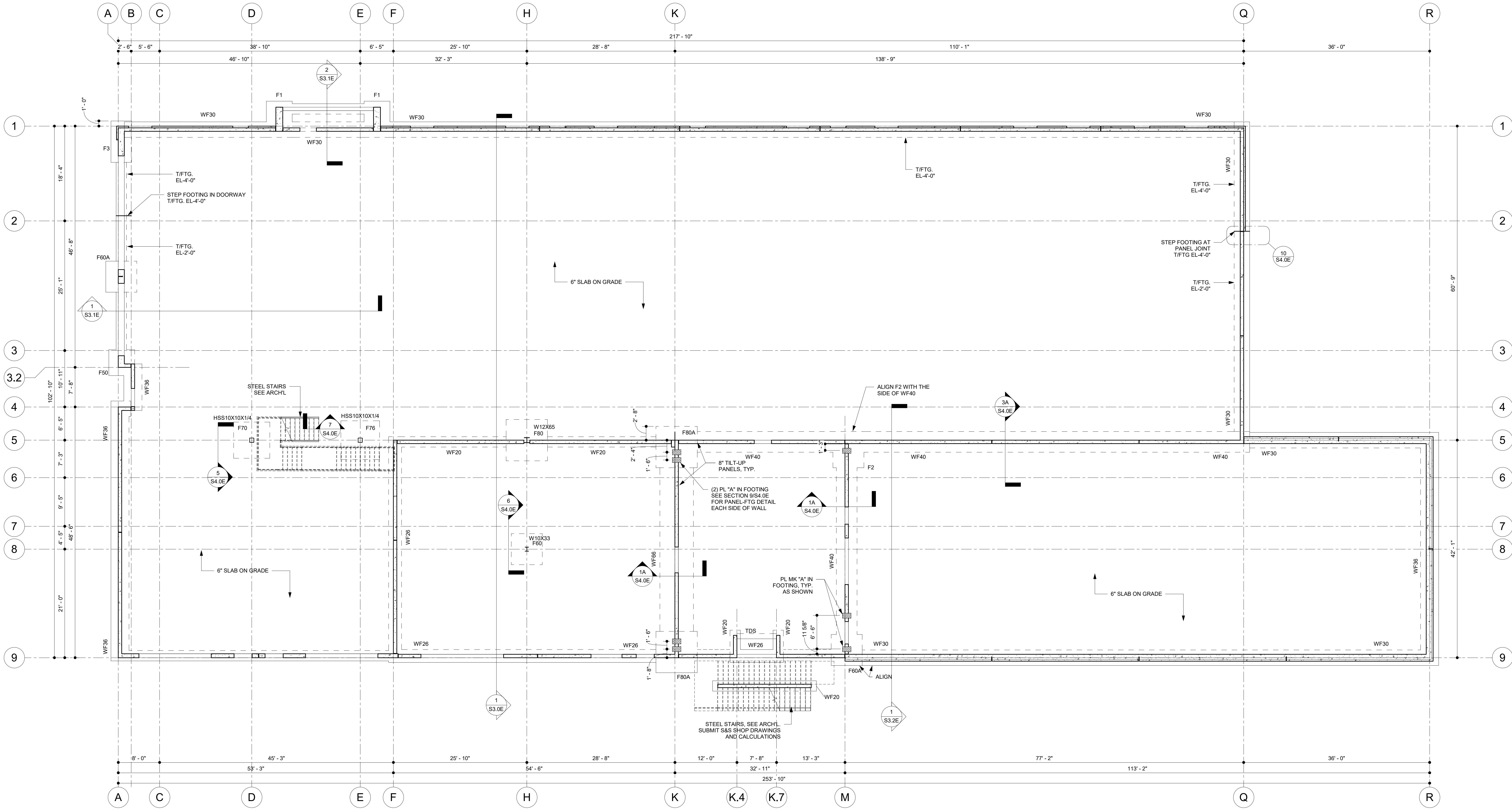
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BUILDING
ISOMETRICS

SHEET NUMBER

S1.3E

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1 FOUNDATION PLAN
1/8" = 1'-0"

FOUNDATION PLAN NOTES:

- FLOOR SLAB TO BE 6" THICK CONCRETE REINFORCED WITH 6x6 W2 1xW2.1 WWF OVER 15 MIL VAPOR BARRIER ON COMPACTED TERMITE TREATED SUBGRADE. TYPICAL THROUGHOUT.
- SEE SLAB ON GRADE DETAILS FOR PLACEMENT OF REINFORCEMENT AND JOINT DETAILS.
- T/SLAB EL +0'-0" U.N.O. (REFERENCE ONLY). SEE CIVIL FOR ACTUAL ELEVATION.
- T/WALL FOOTINGS TYPICAL EL -2'-0"
- ALL EXTERIOR PANELS ALLOW FOR A 3/4" DEEP RECESS (1/4" THICKNESS = STRUCTURAL THICKNESS + 3/4" INCH) U.N.O. SEE PANEL REINFORCEMENT SHEETS FOR INDIVIDUAL PANEL THICKNESSES.
- ALL TILT-UP PANELS ARE VIEWED FROM THE INSIDE OF THE BUILDING OR FROM THE NON-FINISHED FACE.
- ALL FOOTINGS ARE CENTERED BENEATH BEARING WALLS AND COLUMNS.
- SEE SHEET S5.0E FOR PANEL REINFORCING EMBEDDED ITEMS AND JOINT DETAILS.
- SEE SHEET S1.1E FOR FOUNDATION AND STEEL COLUMN SCHEDULES
- PROVIDE 6" HOUSEKEEPING PAD AT MECHANICAL EQUIPMENT REINFORCED WITH 6x6 W1 4xW1 4 WWF. HOUSEKEEPING PAD TO BE 6" WIDER THAN EQUIPMENT SUPPORTED. COORDINATE WITH MEP.

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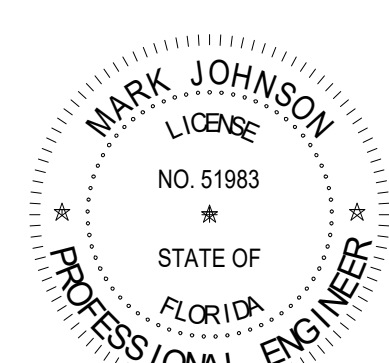
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PROJECT STATUS

90% CDs /
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DATE OF ISSUE

10/14/2025

PROJECT NAME

RIVIERA BEACH
POLICE
DEPARTMENT
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PROJECT LOCATION
2125 AVENUE S.
RIVIERA BEACH, FL
33404

PROJECT NUMBER

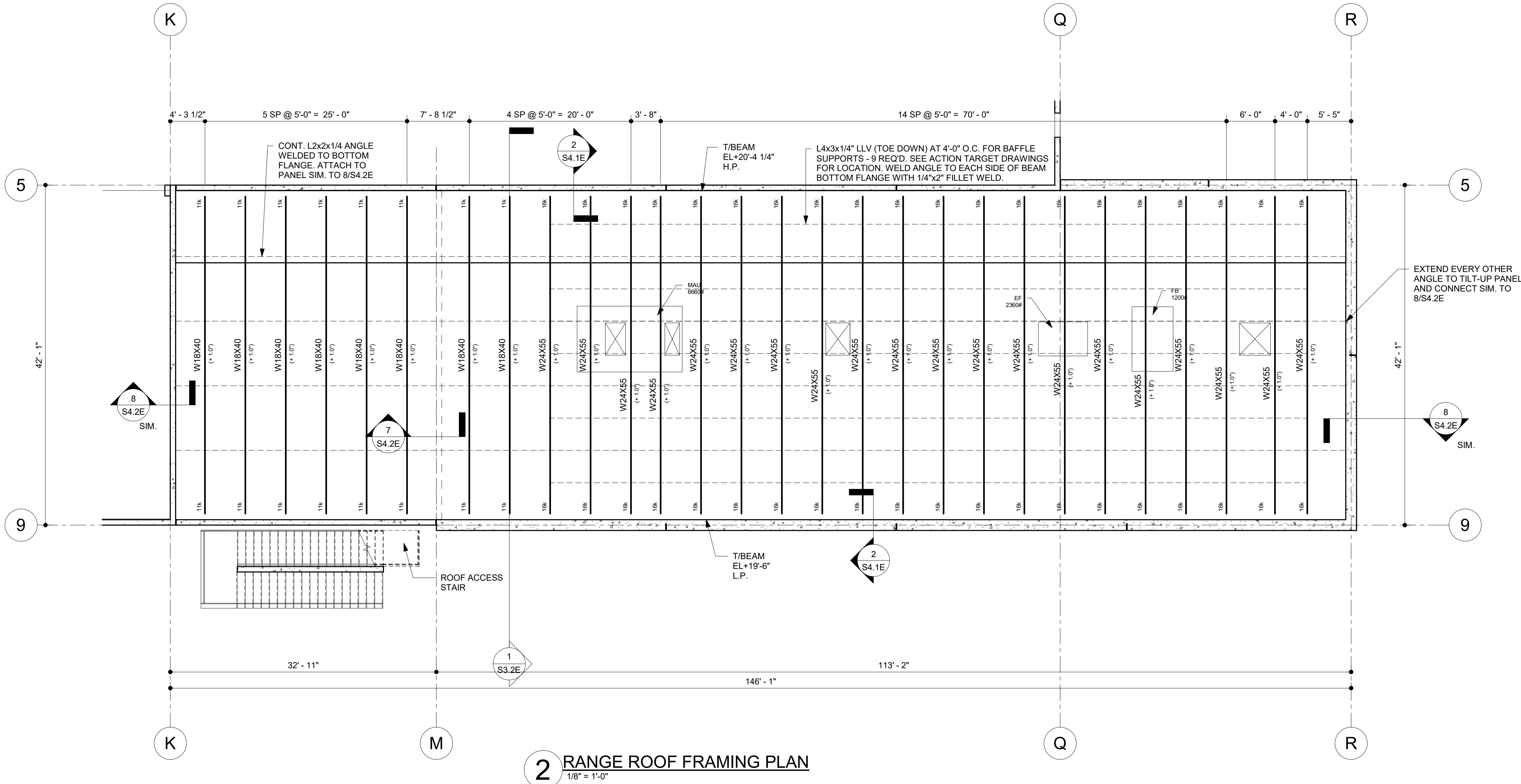
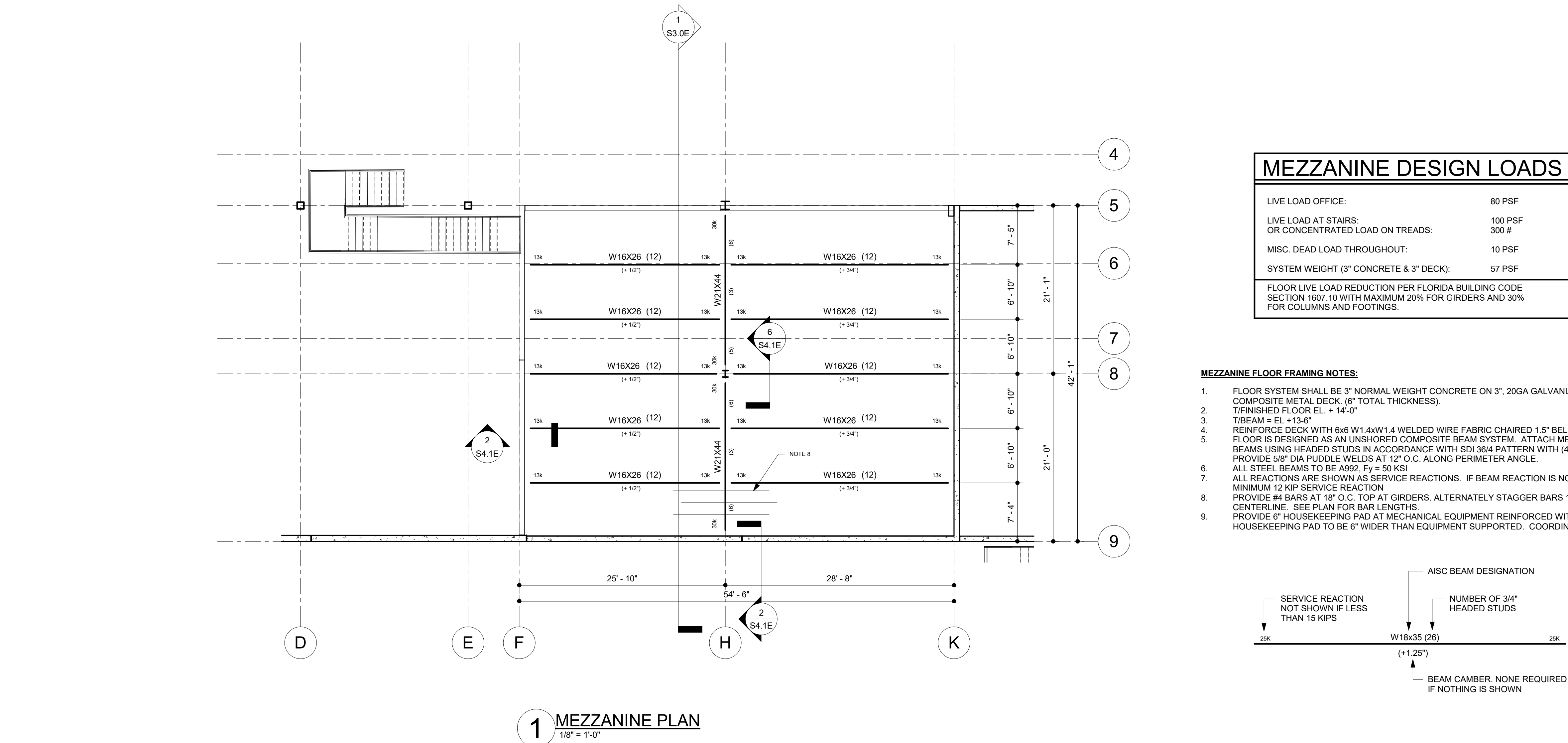
JSG #24115

SHEET TITLE

FOUNDATION PLAN

SHEET NUMBER

S2.0E



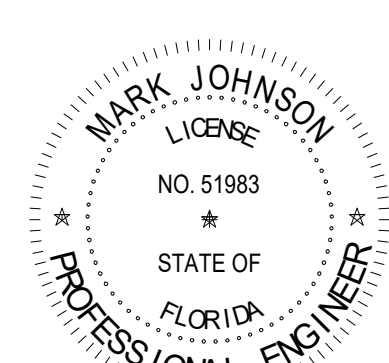
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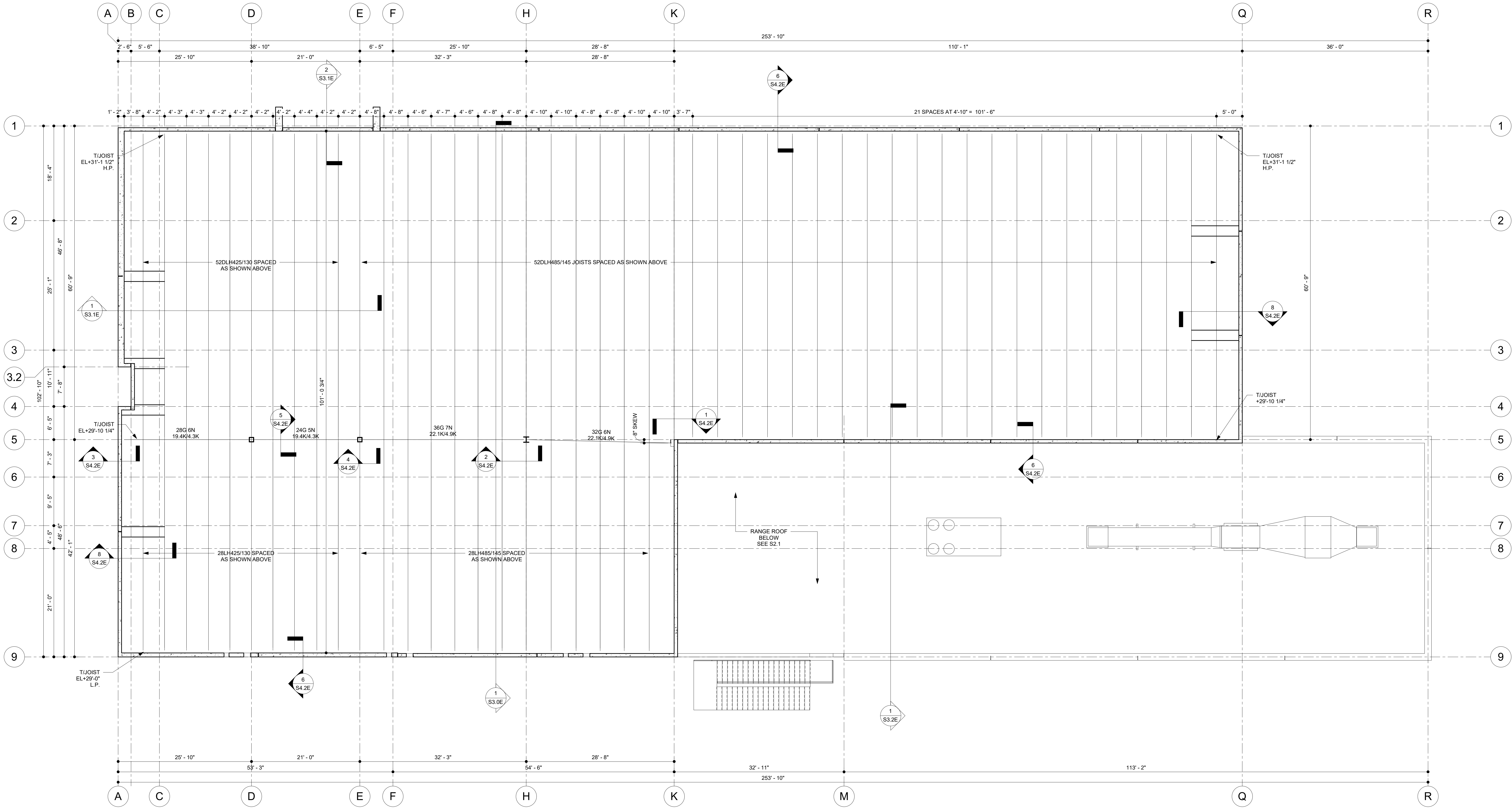
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JSG #24115

MEZZANINE PLAN
AND FIRING RANGE
ROOF FRAMING PLAN

S2.1E

FILE NAME: C:\USC\ISC C Drive\24115- Riviera Beach Police\Revit 2024\24115 RBPD_EFR_S_R24_Clear Span.rvt
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1 EVIDENCE ROOF FRAMING PLAN
1/8" = 1'-0"

ROOF DESIGN LOADS			
JOIST DESIGN LIVE LOAD	JOIST GIRDER LIVE LOAD	DESIGN DEAD LOAD	1" DECK + 3" CONCRETE
30 PSF	20 PSF	25 PSF	45 PSF

- ROOF FRAMING NOTES:**
- ROOF SYSTEM TO BE 3" CONCRETE ON 1.0C-32 22 GAGE, GRADE 80 NON-COMPOSITE METAL DECK, 4" TOTAL THICKNESS, ON BAR JOISTS SPACED AS SHOWN. ATTACH METAL DECK TO JOISTS WITH 5/8" PUDDLE WELDS 1 PER RIB + 1 EVERY OTHER RIB. PROVIDE 5/8" PUDDLE WELDS AT 2.5' ON CENTER PARALLEL TO THE DECK SPAN AT EDGE SUPPORTS. USE #10 TEK SIDELAP SCREWS AT 24" O.C. MAX SPACING. REINFORCE DECK WITH 6X8 10X10 WWF CHAIRED MID HEIGHT OF SLAB.
 - T/JOIST EL + 29'-0" THROUGHOUT.
 - SEE PLAN FOR TOP OF PARAPET ELEVATIONS.
 - SEE STRUCTURAL NOTE SHEET S1.0E FOR STRUCTURAL STEEL NOTES.
 - SEE SHEET S1.1E FOR SCHEDULES.
 - SEE SECTIONS FOR FRAMING DETAILS.
 - SEE PLAN FOR TOP OF BEAM ELEVATIONS.
 - SEE SHEET S1.1E FOR ROOF UPLIFT PLAN.

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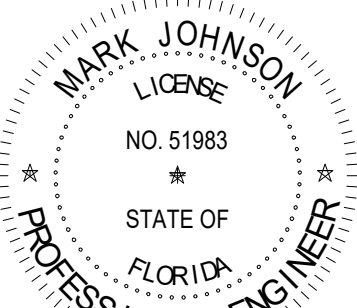
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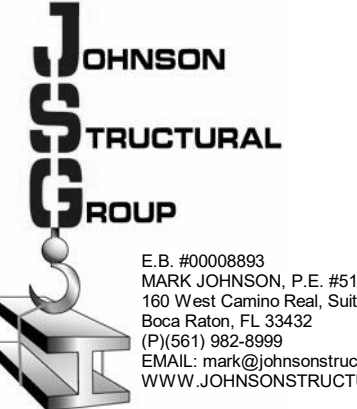
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DATE OF ISSUE

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EVIDENCE AND
FIRE RANGE
PROJECT LOCATION

2125 AVENUE S.
RIVIERA BEACH, FL
33404

PROJECT NUMBER

JSG #24115

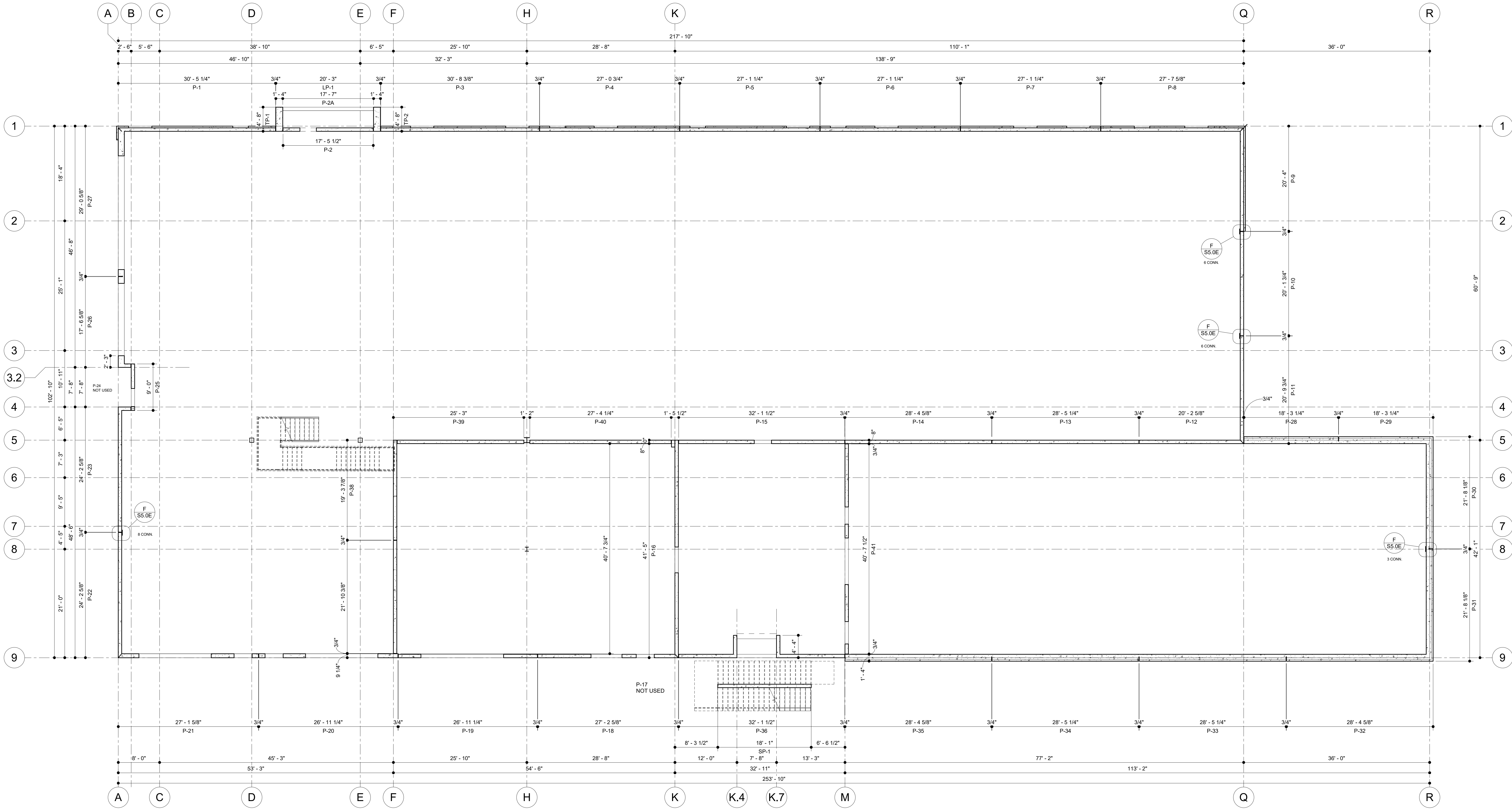
SHEET TITLE

EVIDENCE STORAGE
HIGH ROOF FRAMING
PLAN

SHEET NUMBER

S2.2E

FILE NAME: C:\USC\SC C Drive\24115- Riviera Beach Police\Revit 2024\24115 RBPD_EFR_S_P24_Clear Span.rvt
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1 PANEL LAYOUT PLAN
1/8" = 1'-0"

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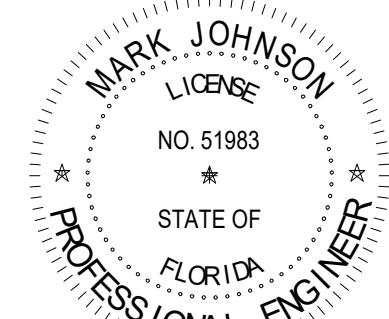
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PROJECT NUMBER

JSG #24115

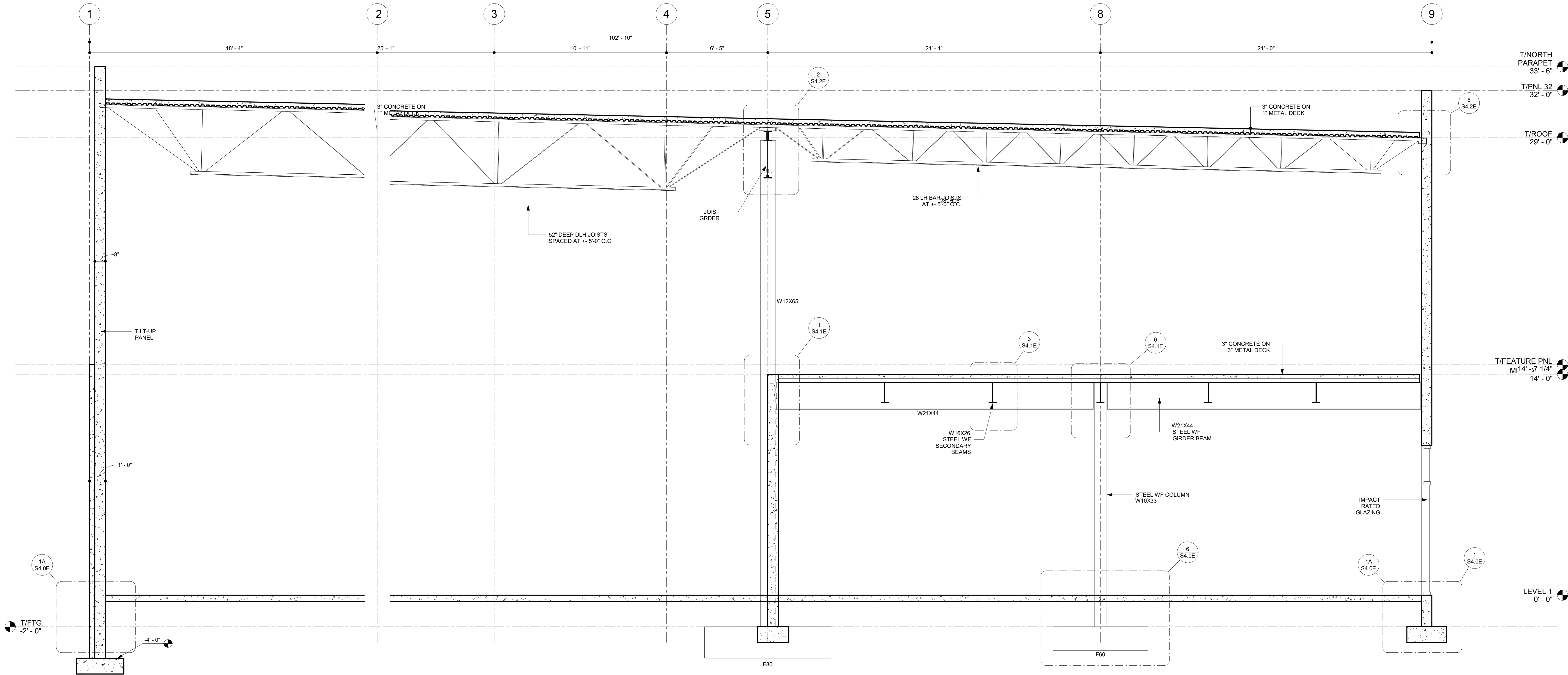
SHEET TITLE

PANEL LAYOUT PLAN

SHEET NUMBER

S2.3E

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1 BUILDING TRANSVERSE SECTION THROUGH MEZZANINE
3/8" = 1'-0"

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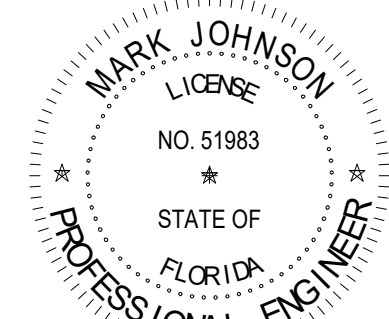
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33404

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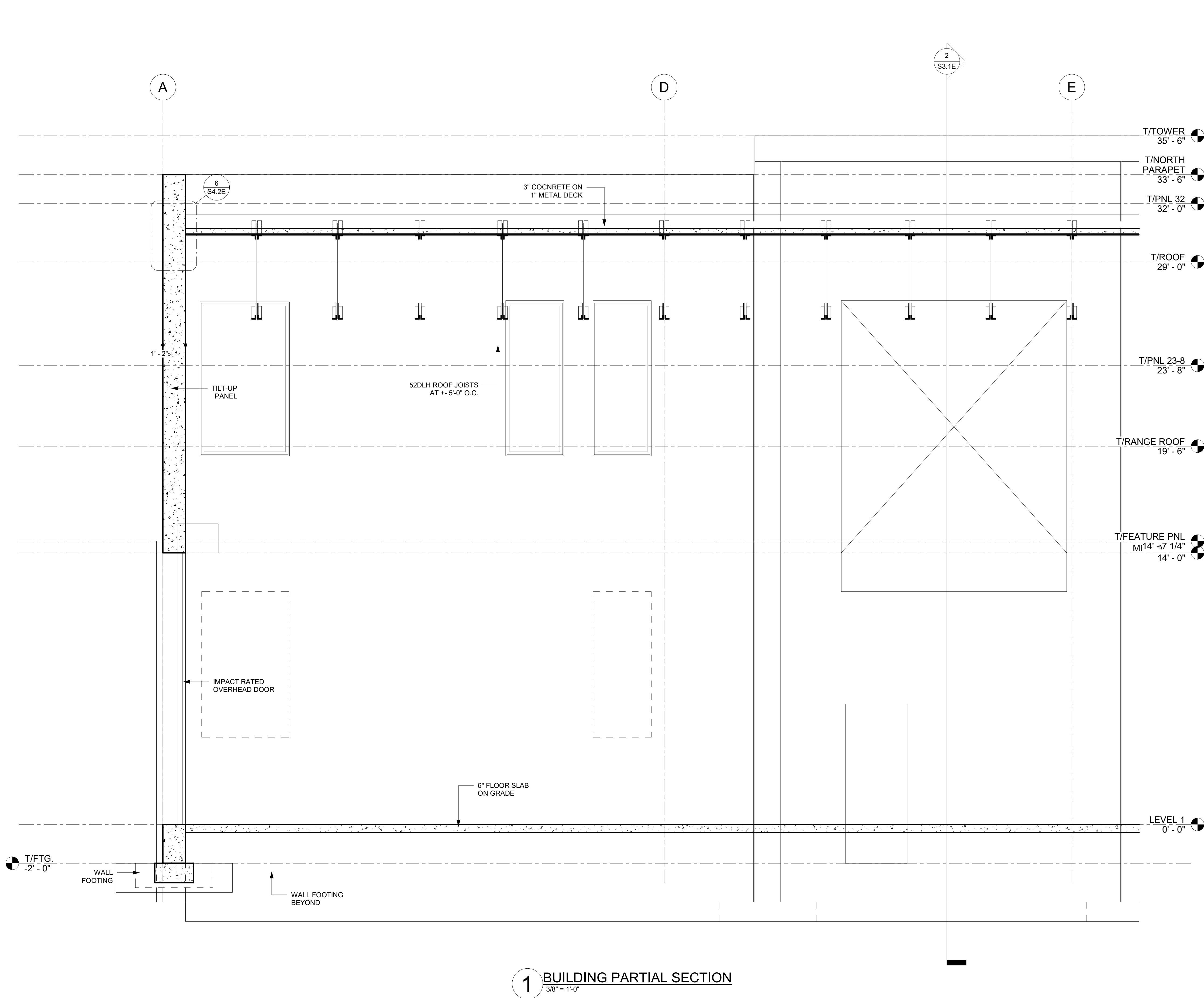
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BUILDING SECTIONS

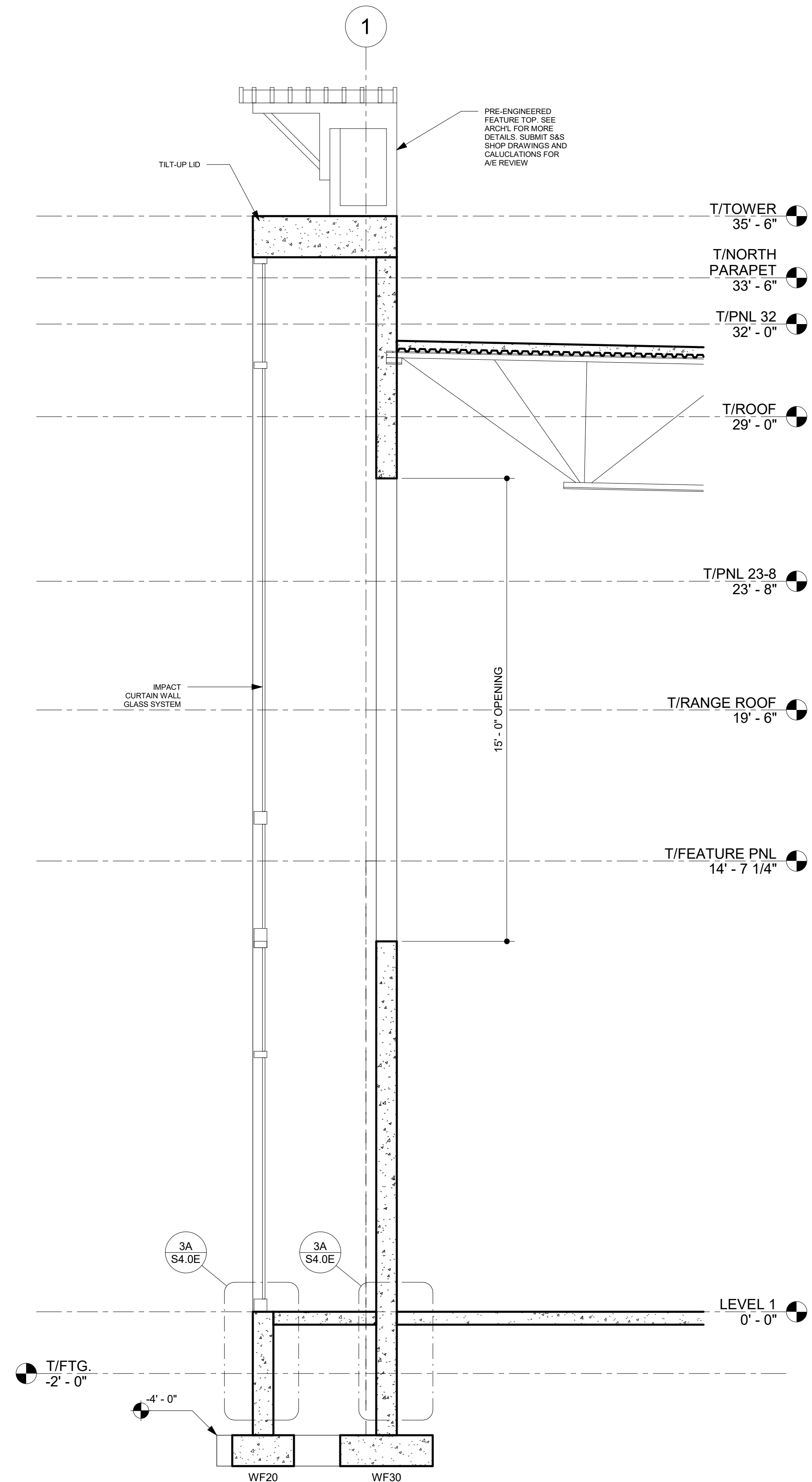
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1 BUILDING PARTIAL SECTION
3/8" = 1'-0"



2 SECTION THROUGH TOWER FEATURE
3/8" = 1'-0"

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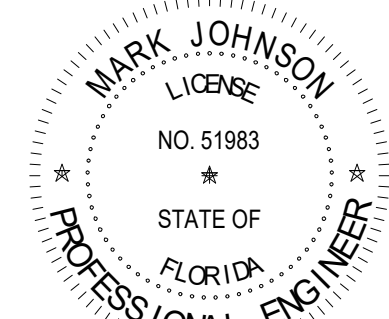
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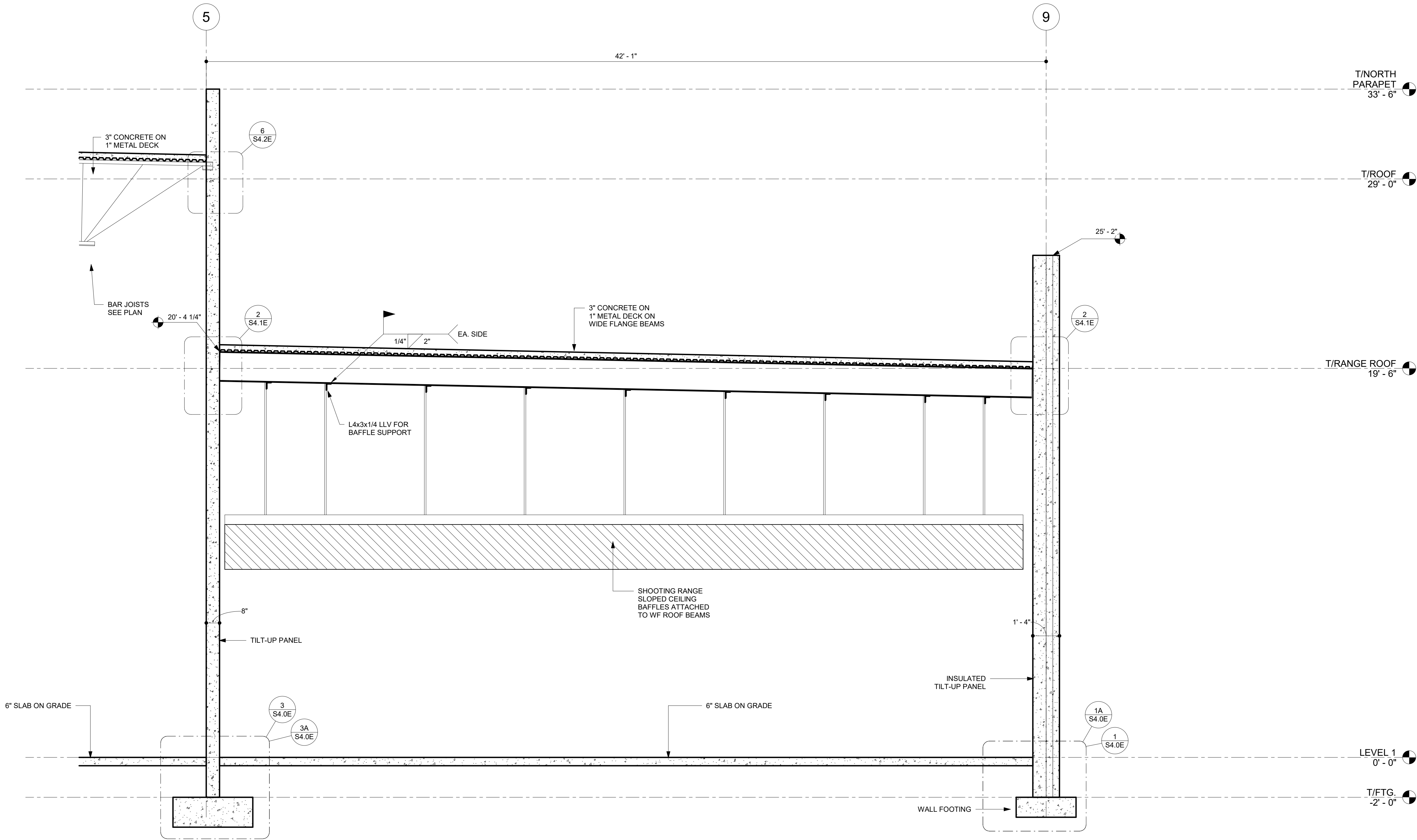
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BUILDING SECTIONS

SHEET NUMBER

S3.1E

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1 SECTION THROUGH RANGE
3/8" = 1'-0"

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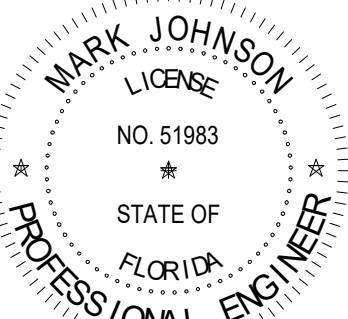
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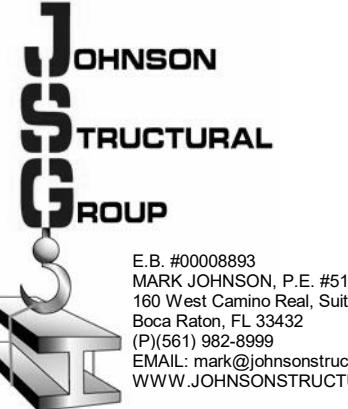
CORE CONSTRUCTION
1641 Worthington Rd
West Palm Beach
FL 33409
T (954) 206-1824

REGISTRATION



DRAWING HISTORY

NO.	DATE	DESCRIPTION
A	04/04/2025	100% Design Development
B	07/22/2025	50% Construction Documents
C	09/18/2025	90% Construction Documents
D	10/14/2025	90% Construction Documents / Permit Set



PROJECT STATUS

90% CDs /
PERMIT SET

DATE OF ISSUE

10/14/2025

PROJECT NAME

RIVIERA BEACH
POLICE
DEPARTMENT
EVIDENCE AND
FIRE RANGE
PROJECT LOCATION
2125 AVENUE S.
RIVIERA BEACH, FL
33404

PROJECT NUMBER

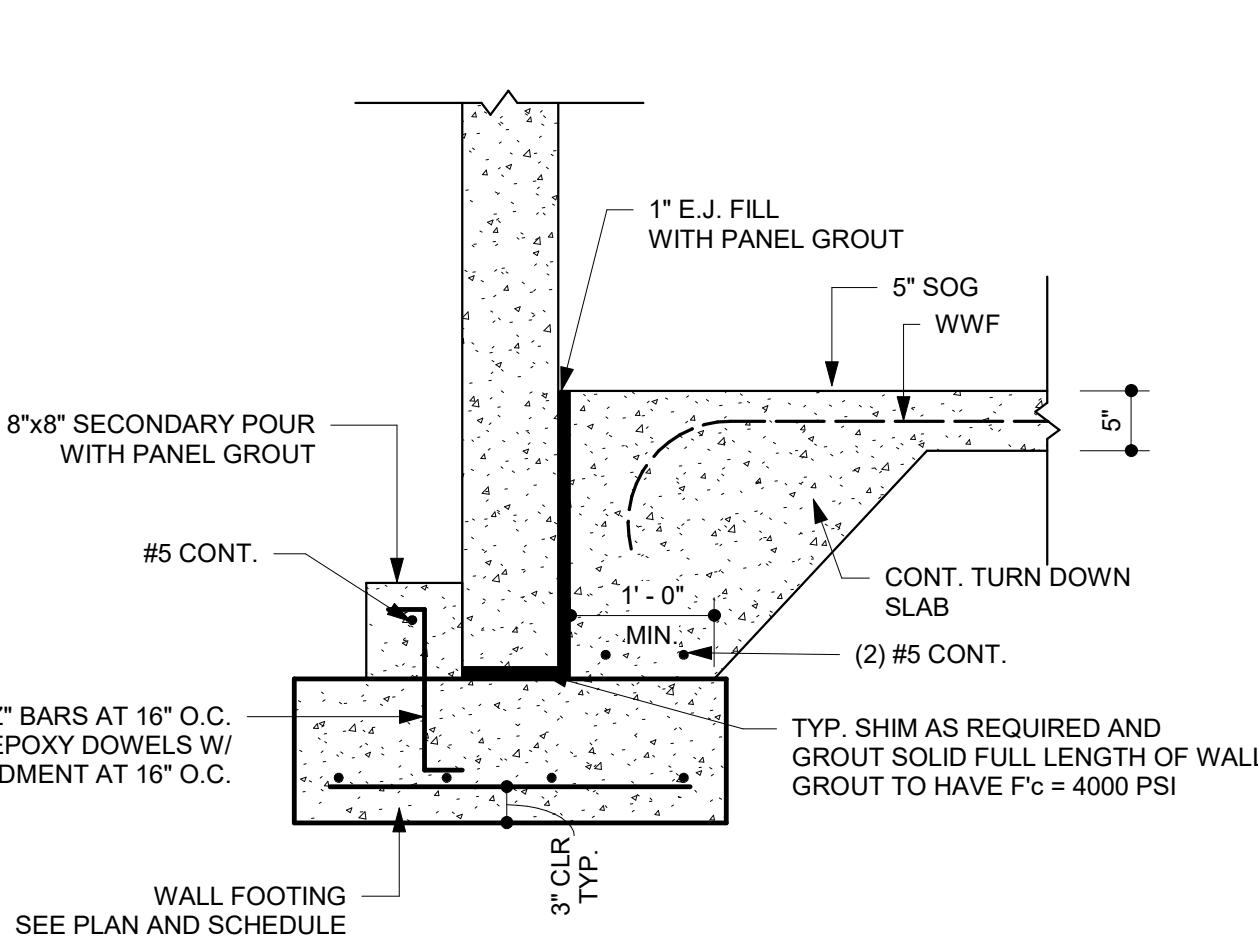
JSG #24115

SHEET TITLE

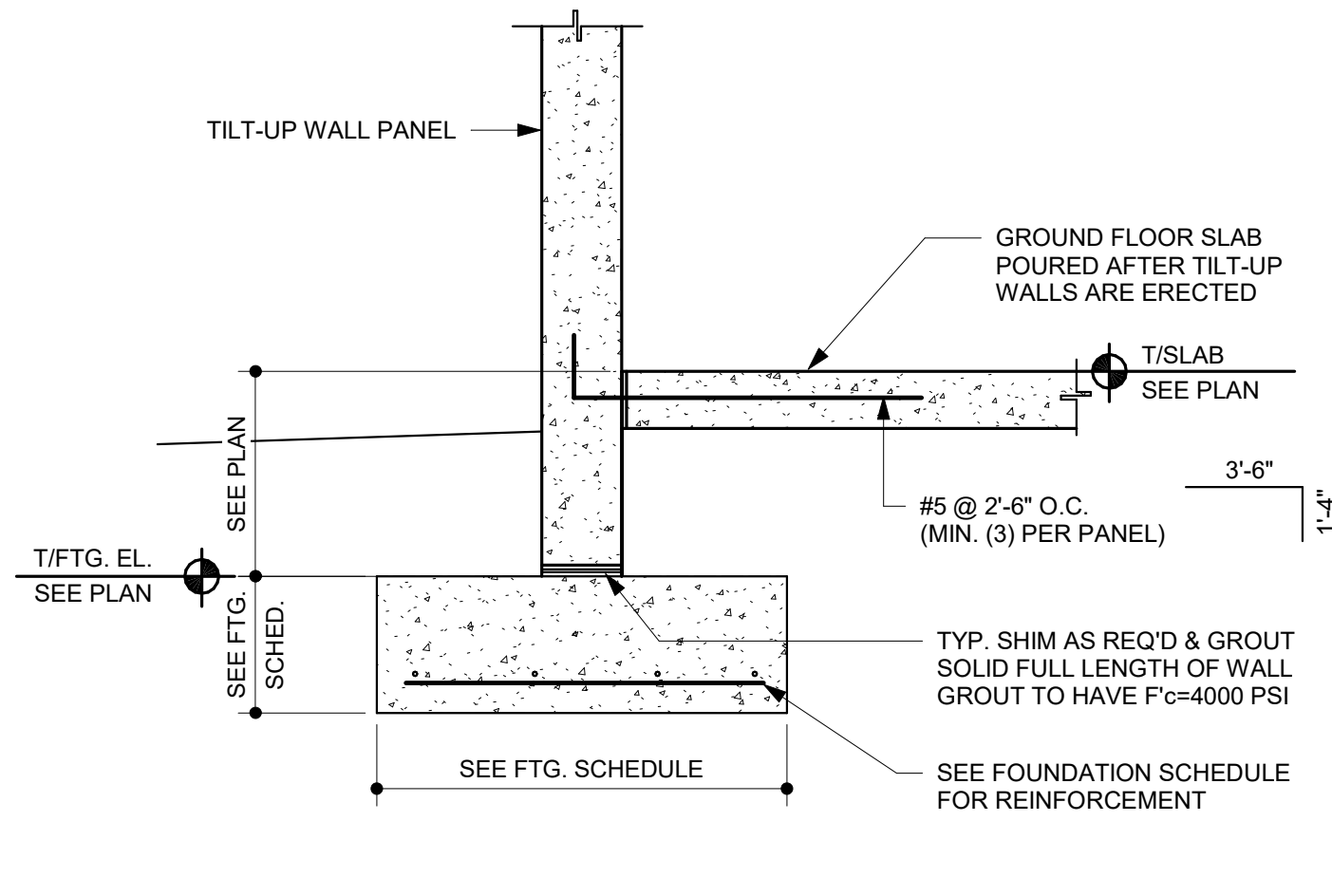
BUILDING SECTIONS

SHEET NUMBER

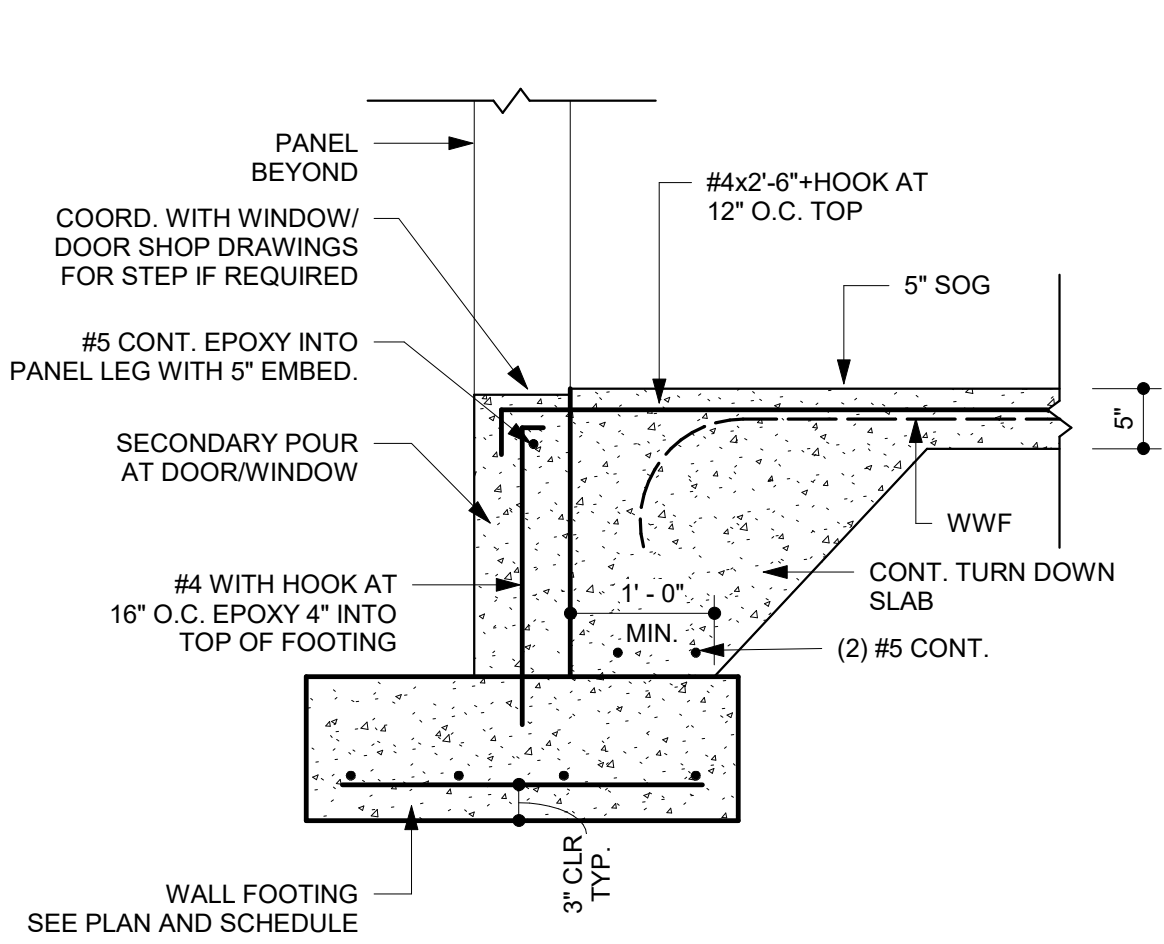
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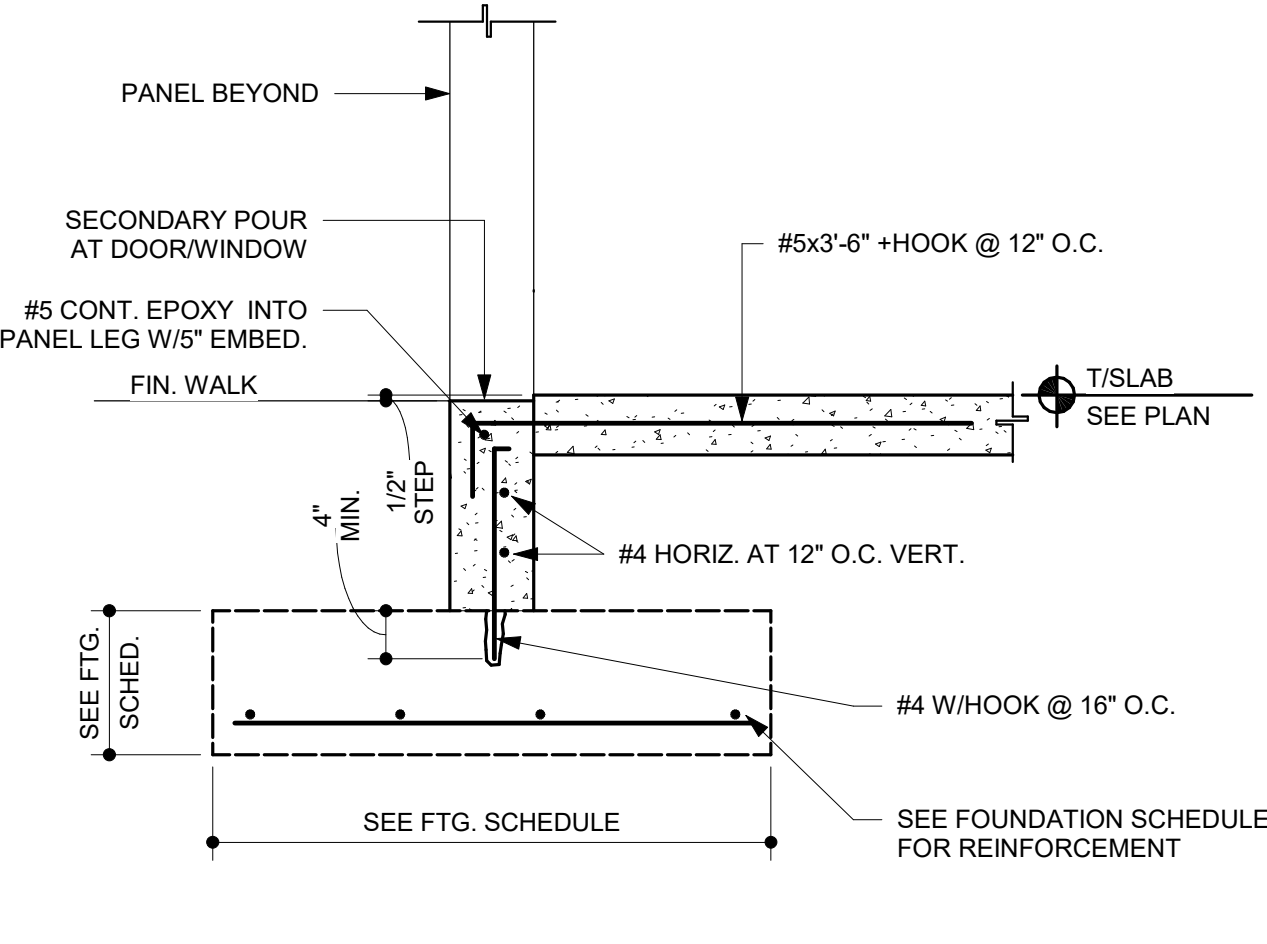
1 SECTION AT WALL FOOTING - TDS
3/4" = 1'-0"



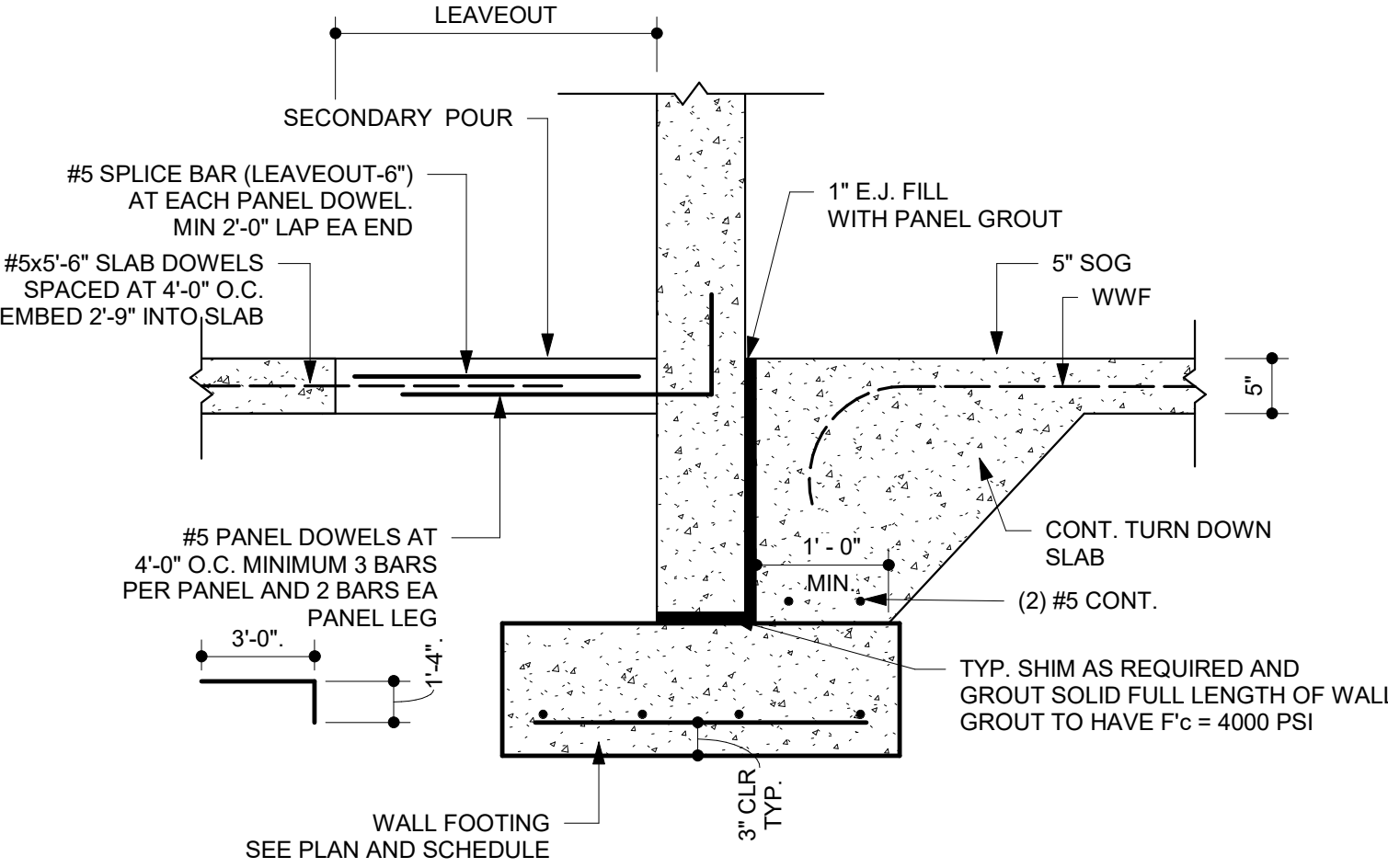
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3/4" = 1'-0"



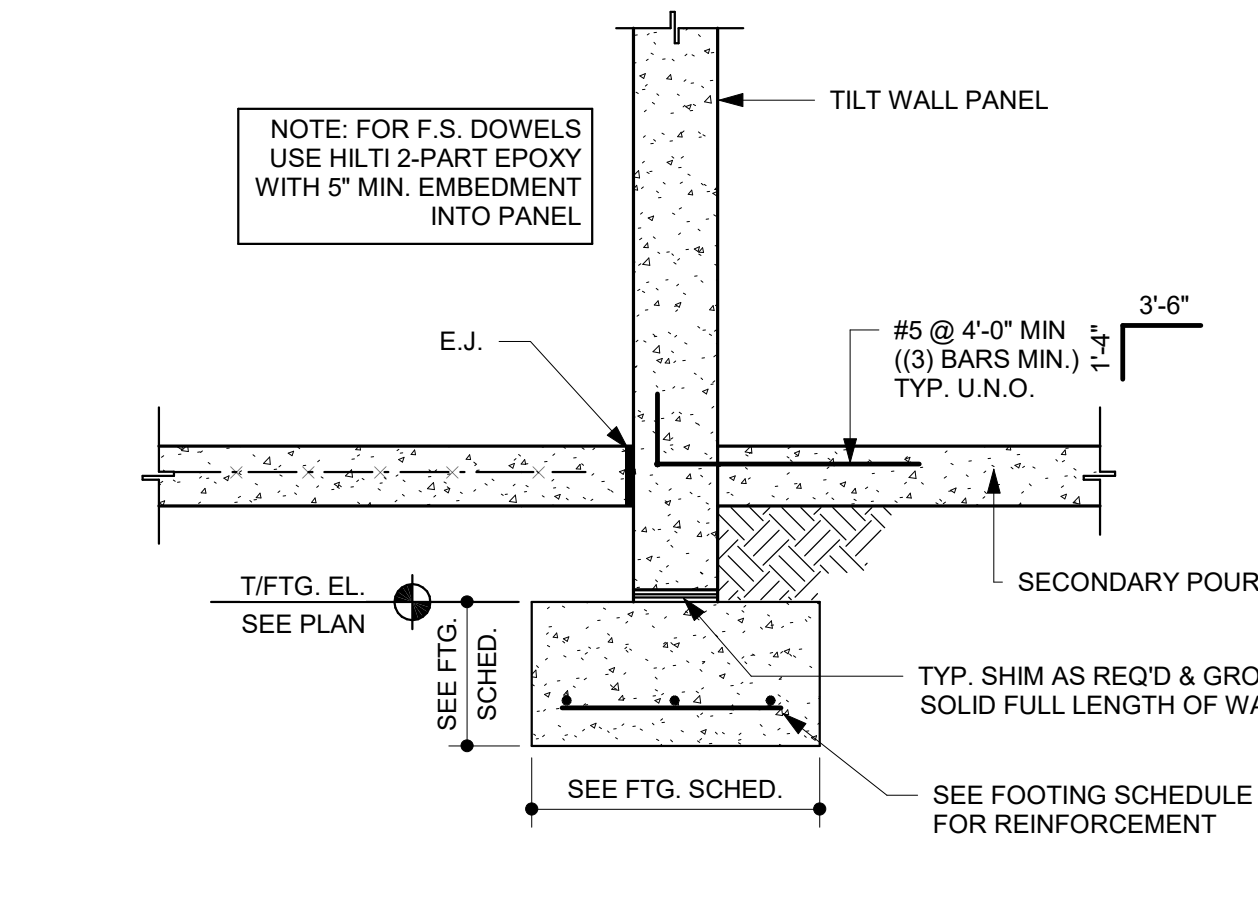
2 SECTION AT EXT. DOOR - TDS
3/4" = 1'-0"



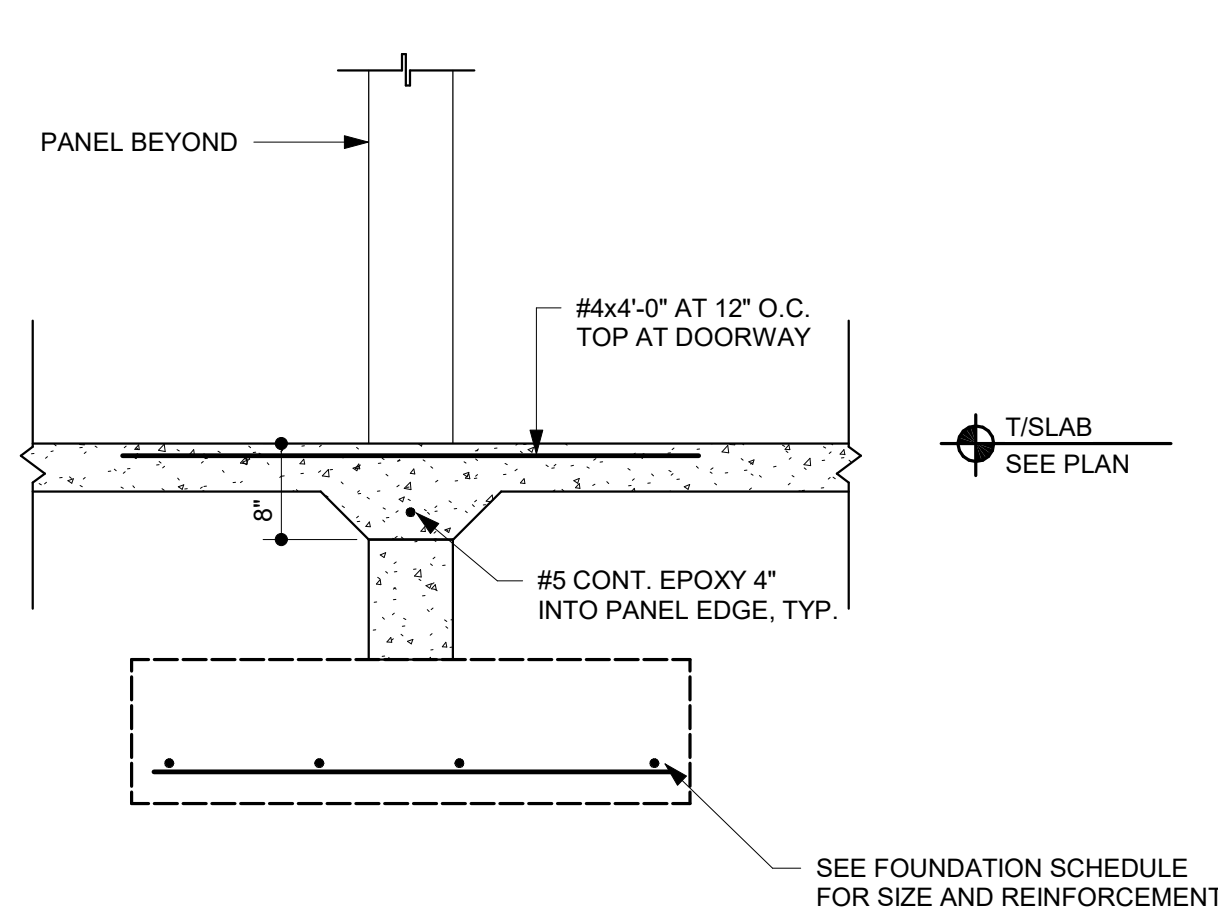
2A SECTION AT EXT. DOOR - LEAVEOUT
3/4" = 1'-0"



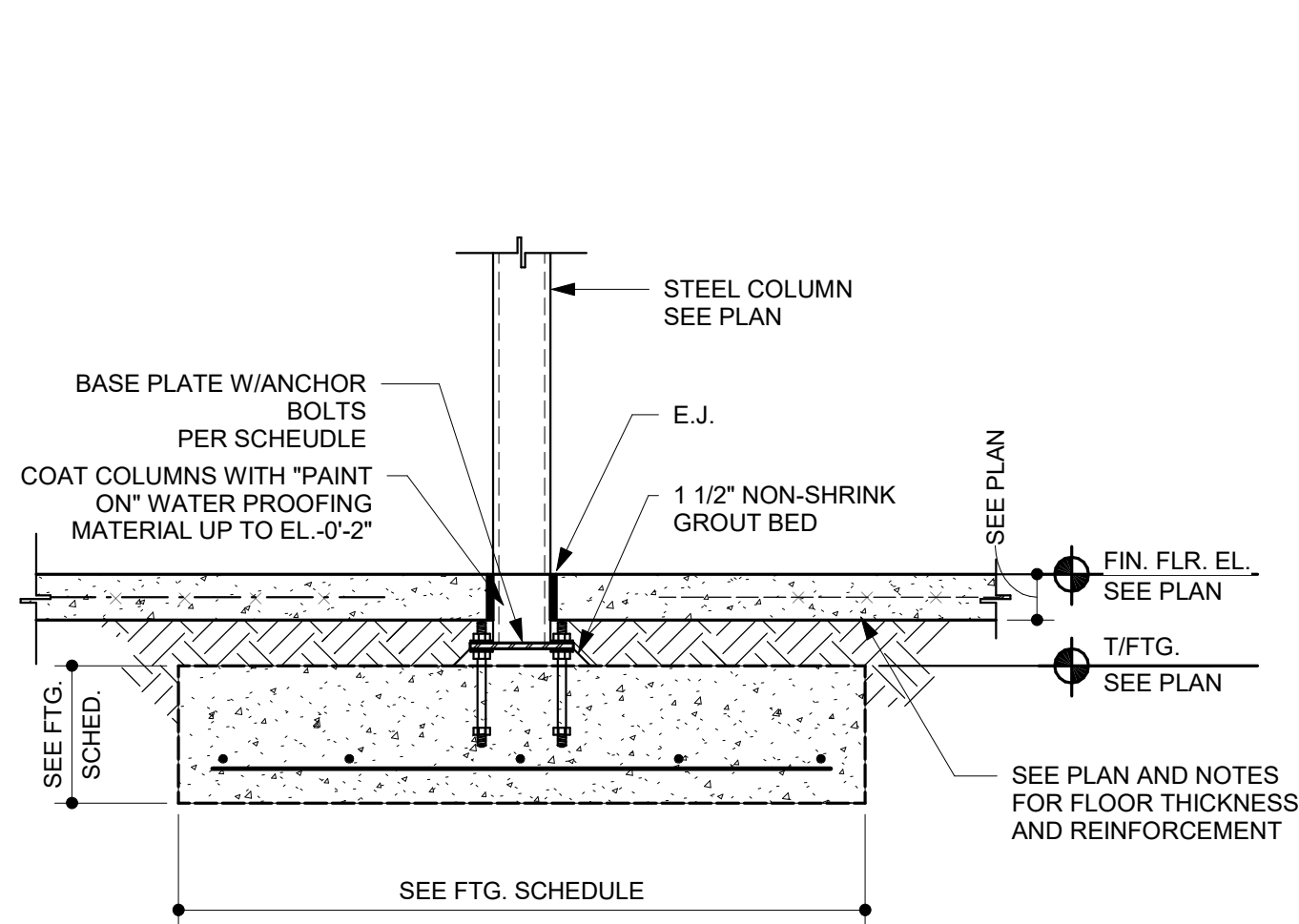
3 SECTION AT INTERIOR TILT WALL - TDS
3/4" = 1'-0"



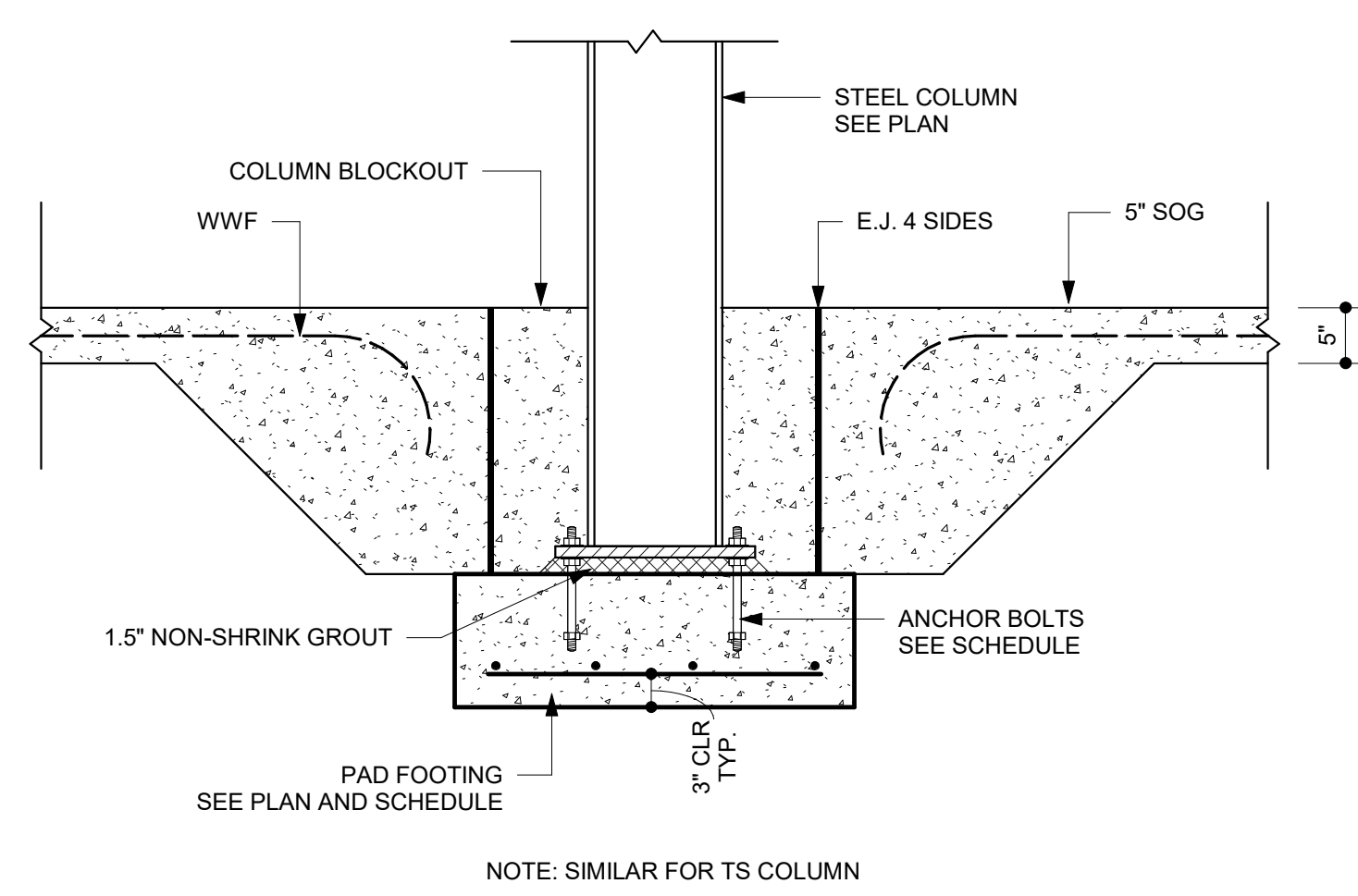
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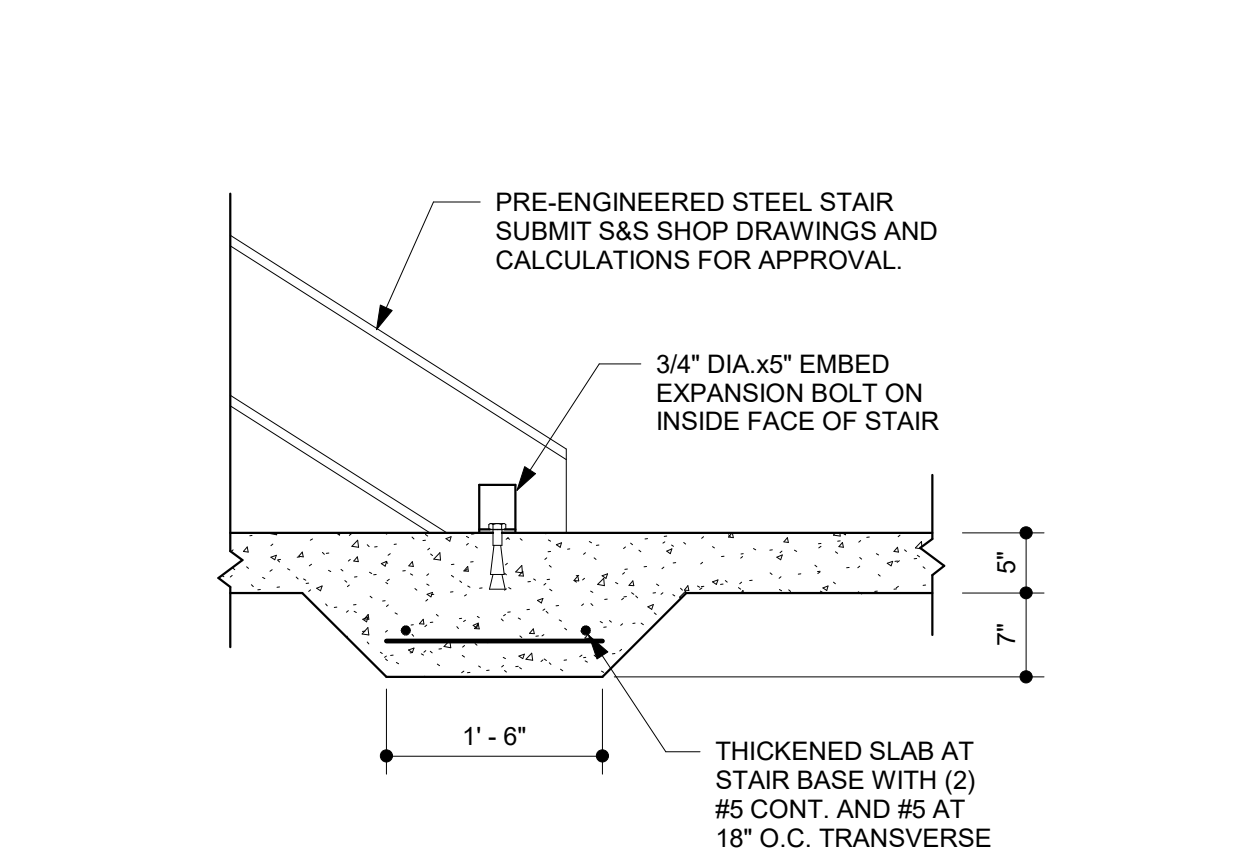
4 SECTION AT INTERIOR DOOR
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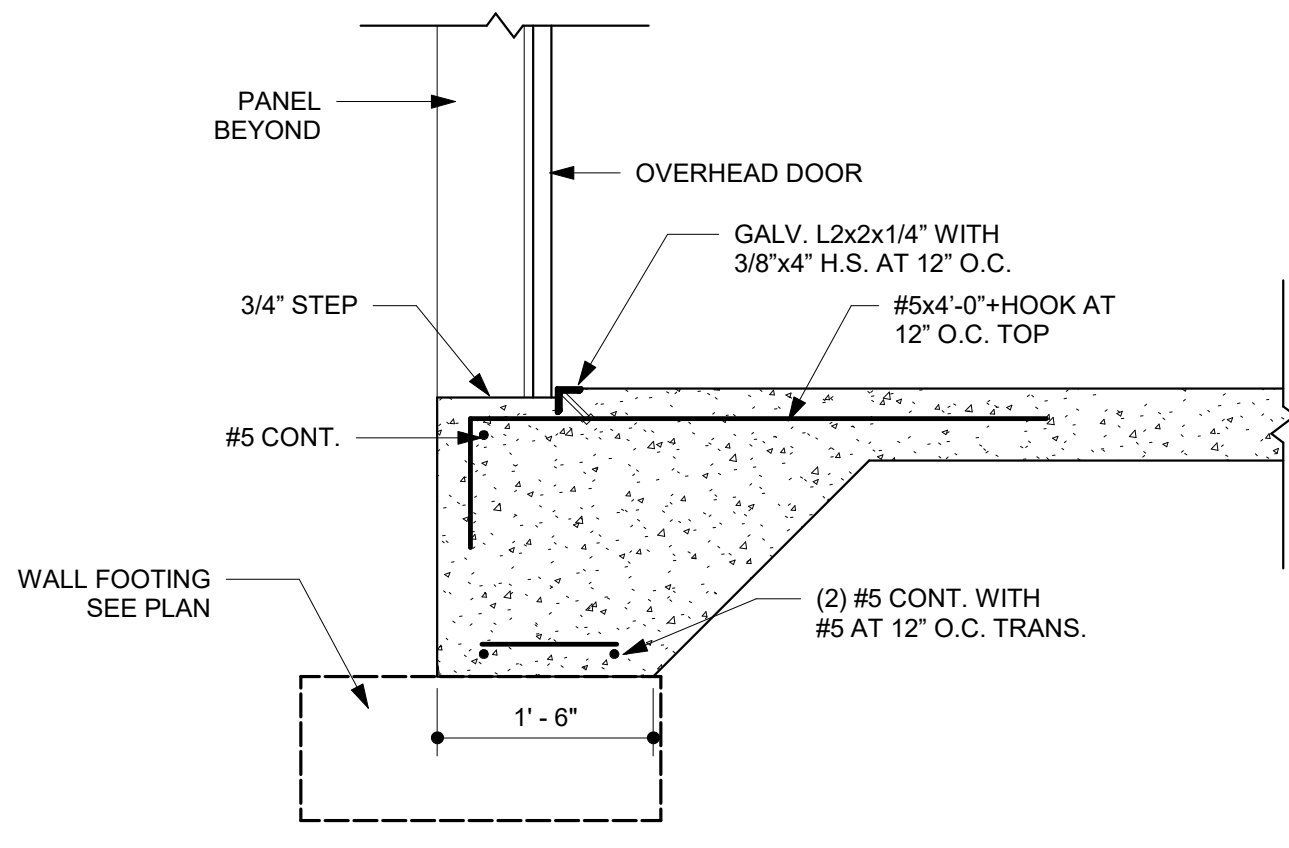
5 SECTION AT STEEL TS COLUMN
3/4" = 1'-0"



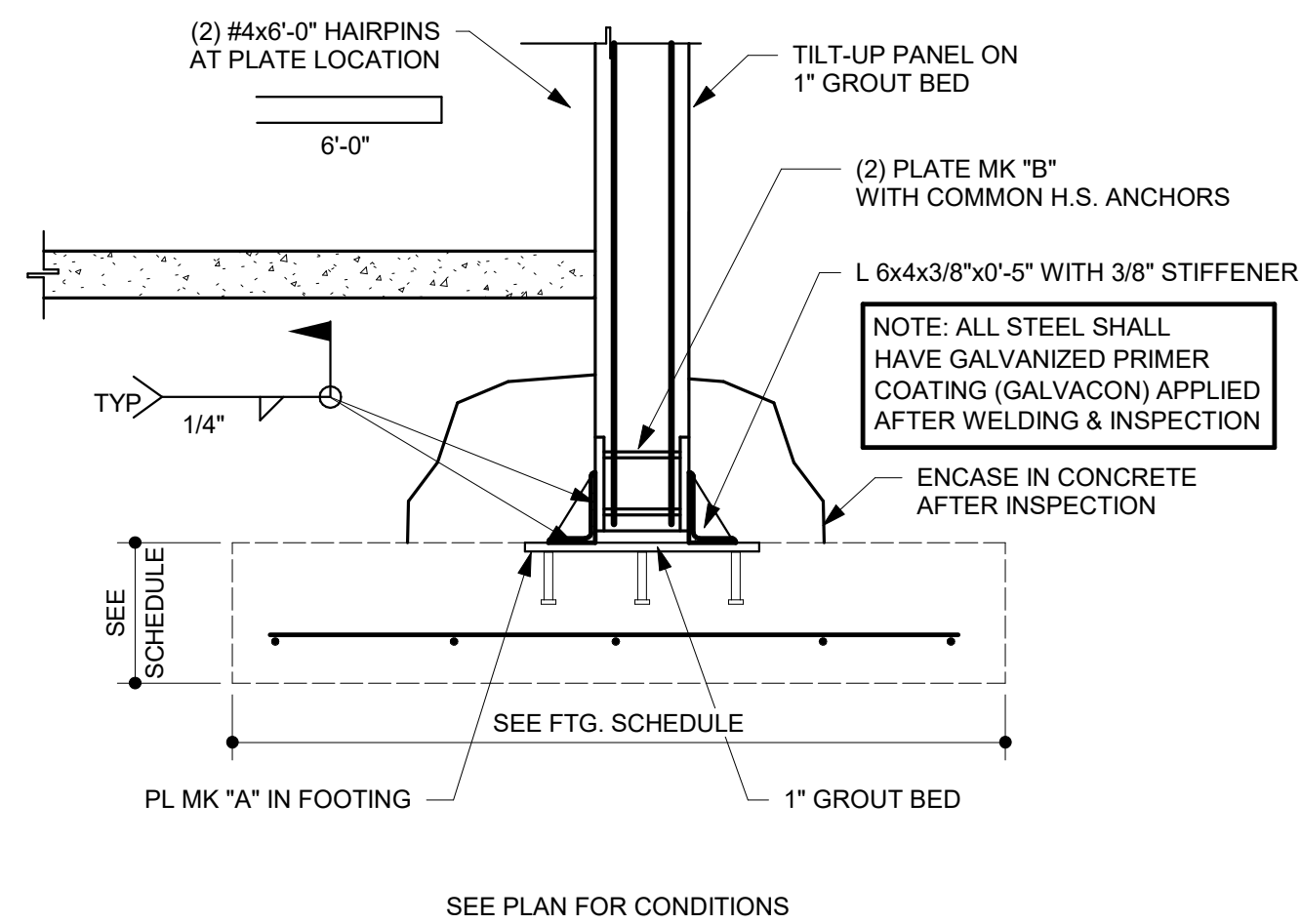
6 SECTION AT STEEL WF COLUMN
3/4" = 1'-0"



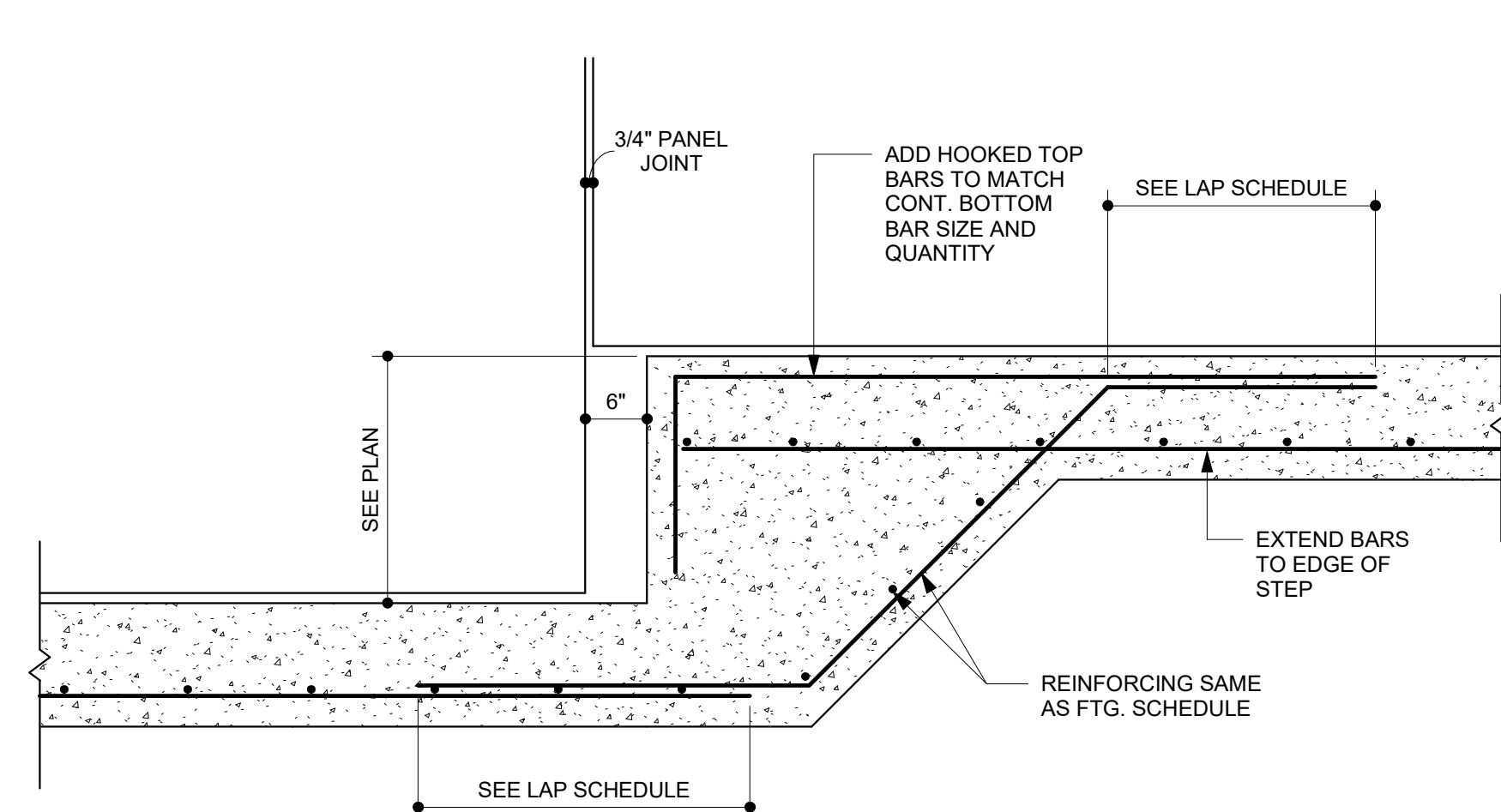
7 SECTION AT STEEL STAIR LANDING
3/4" = 1'-0"



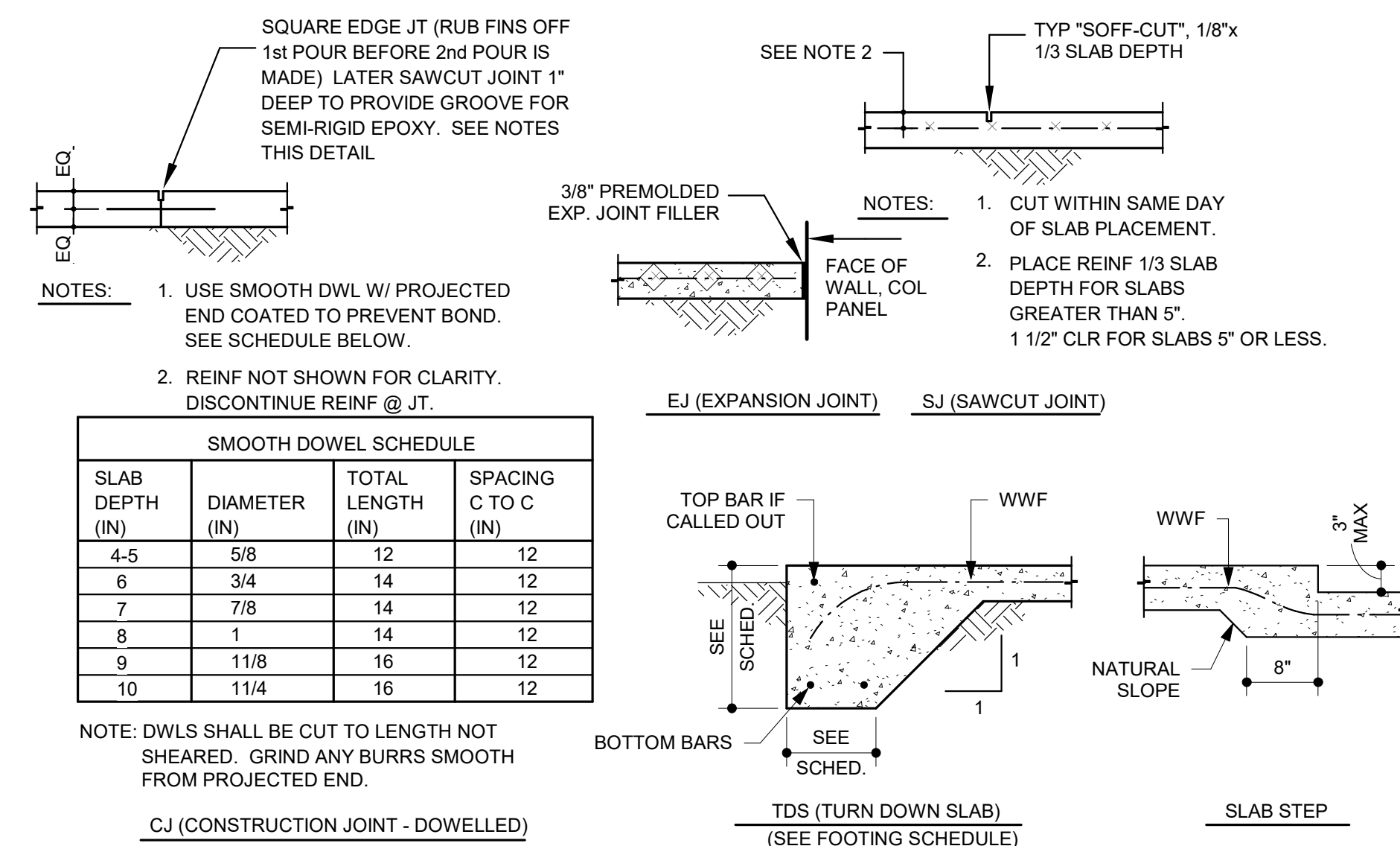
8 SECTION AT OVERHEAD DOOR
3/4" = 1'-0"



9 PANEL TO FOOTING CONN 2
3/4" = 1'-0"



10 SECTION AT FOOTING STEP
3/4" = 1'-0"



A SLAB ON GRADE DETAILS
3/4" = 1'-0"

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Riviera Beach, FL 33404

ARCHITECT



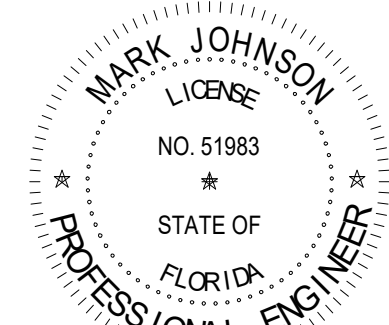
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JSG #24115

SHEET TITLE

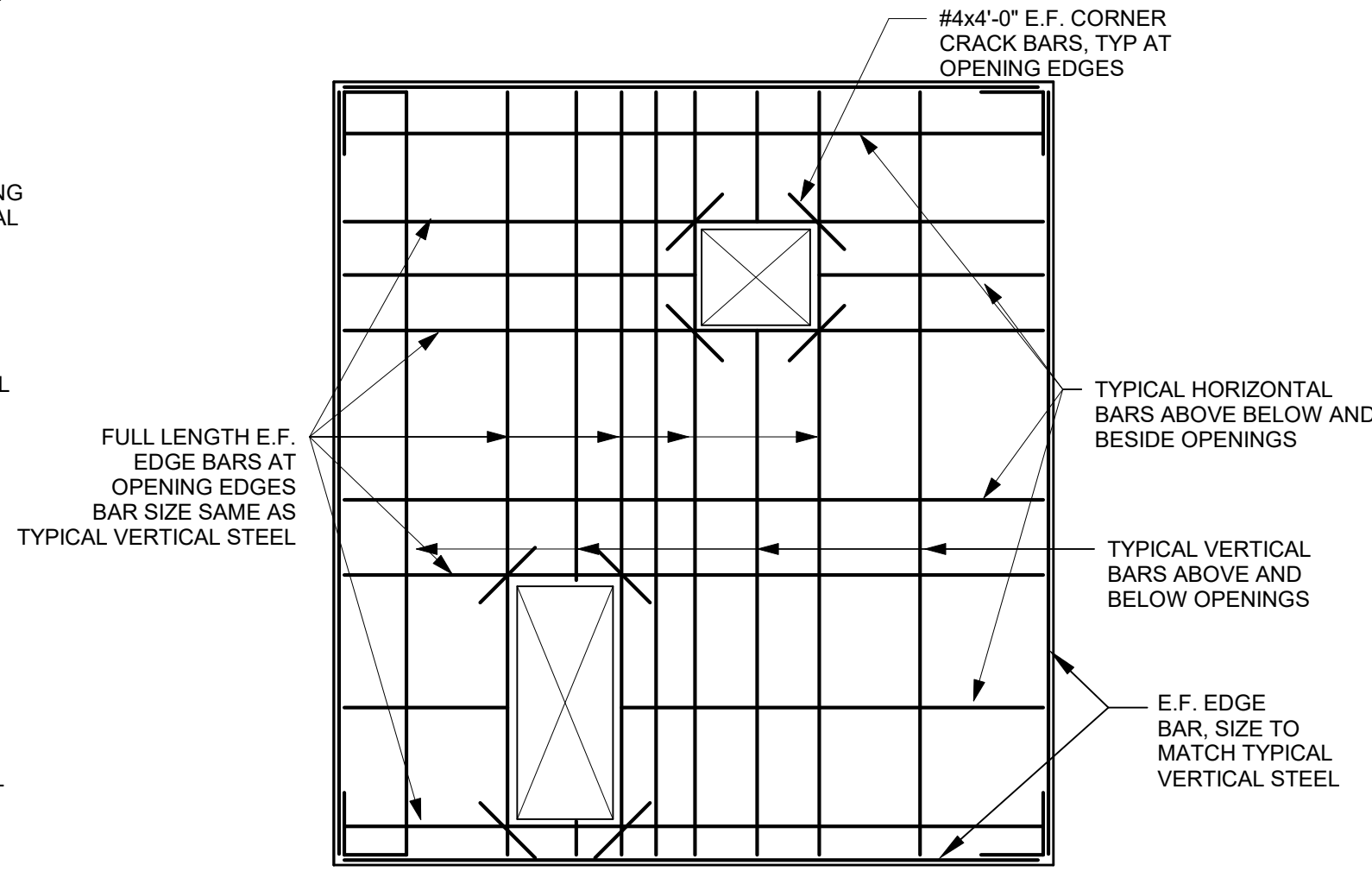
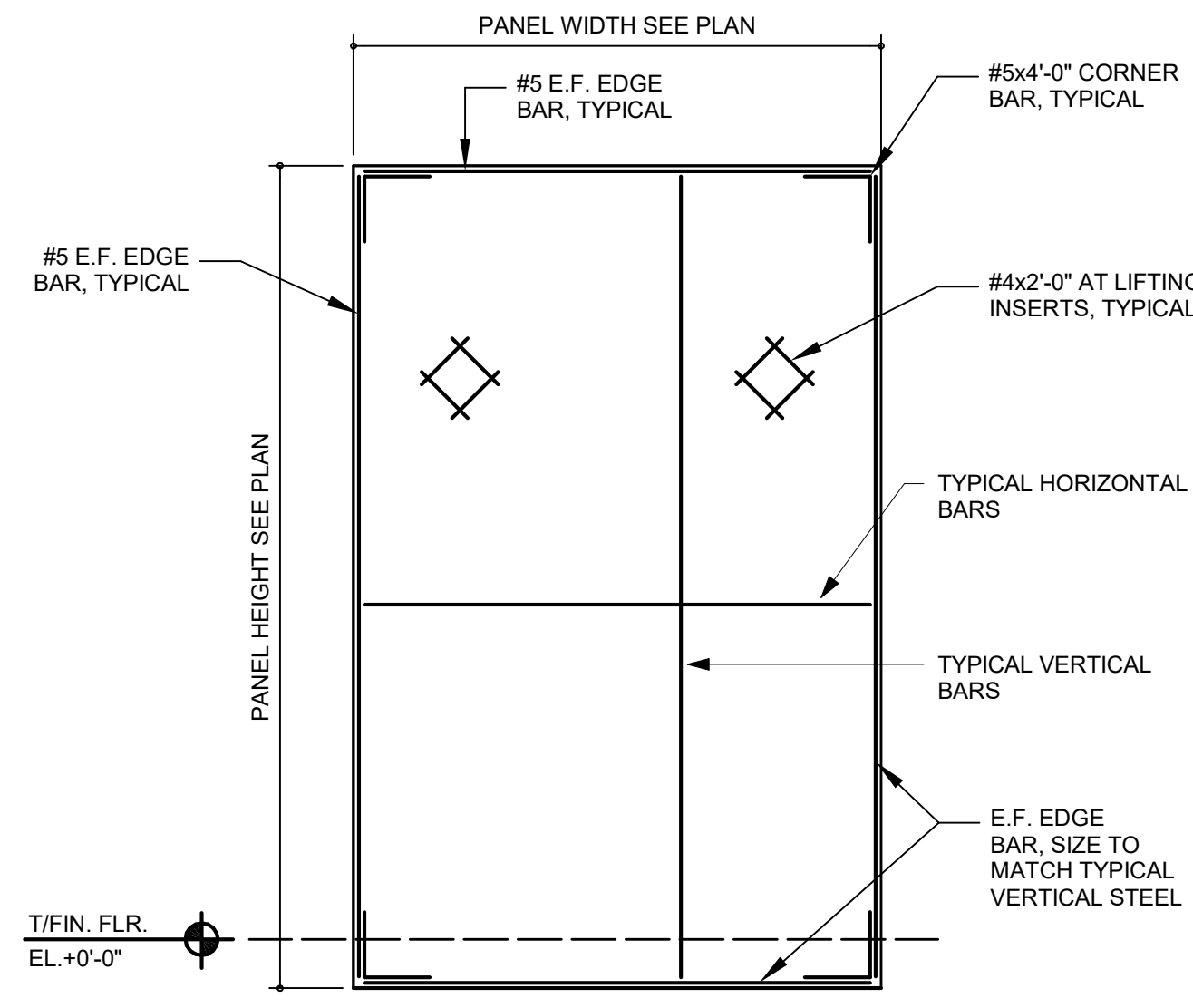
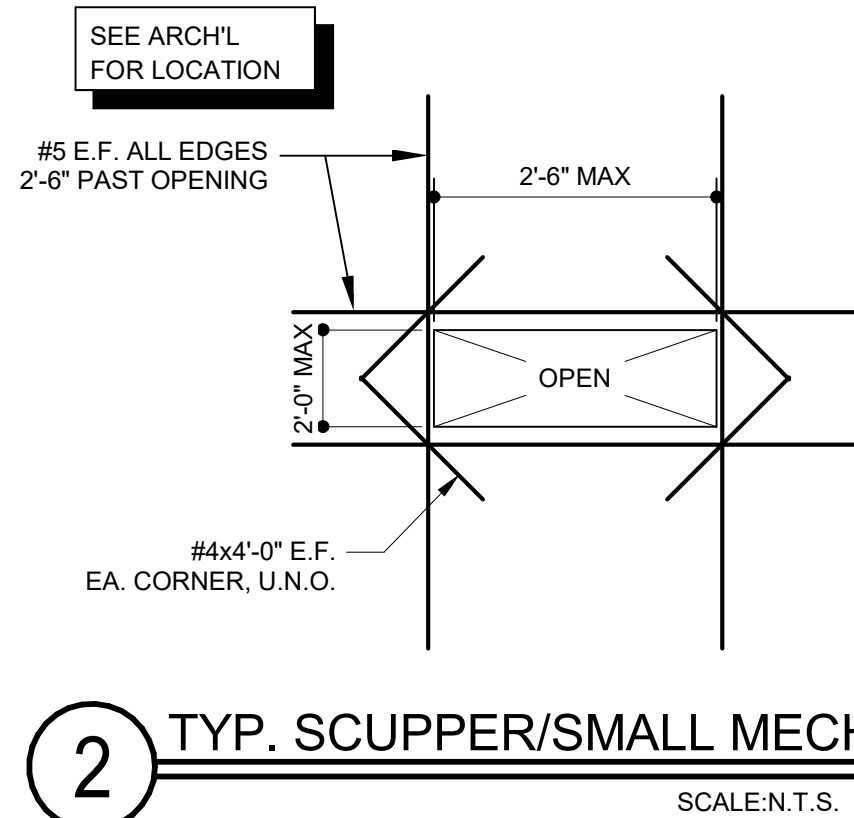
STRUCTURAL
DETAILS

SHEET NUMBER

S4.0E

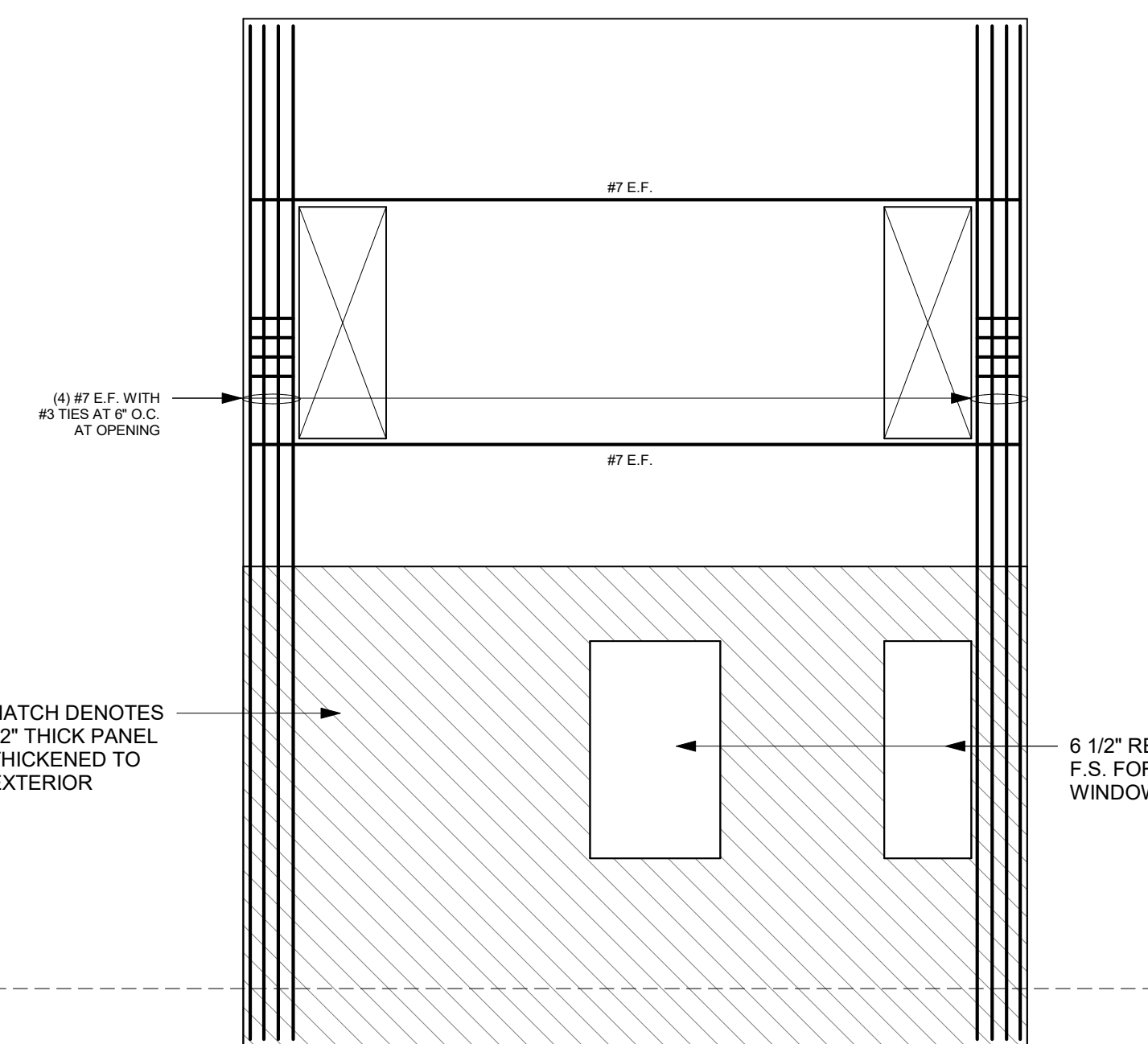
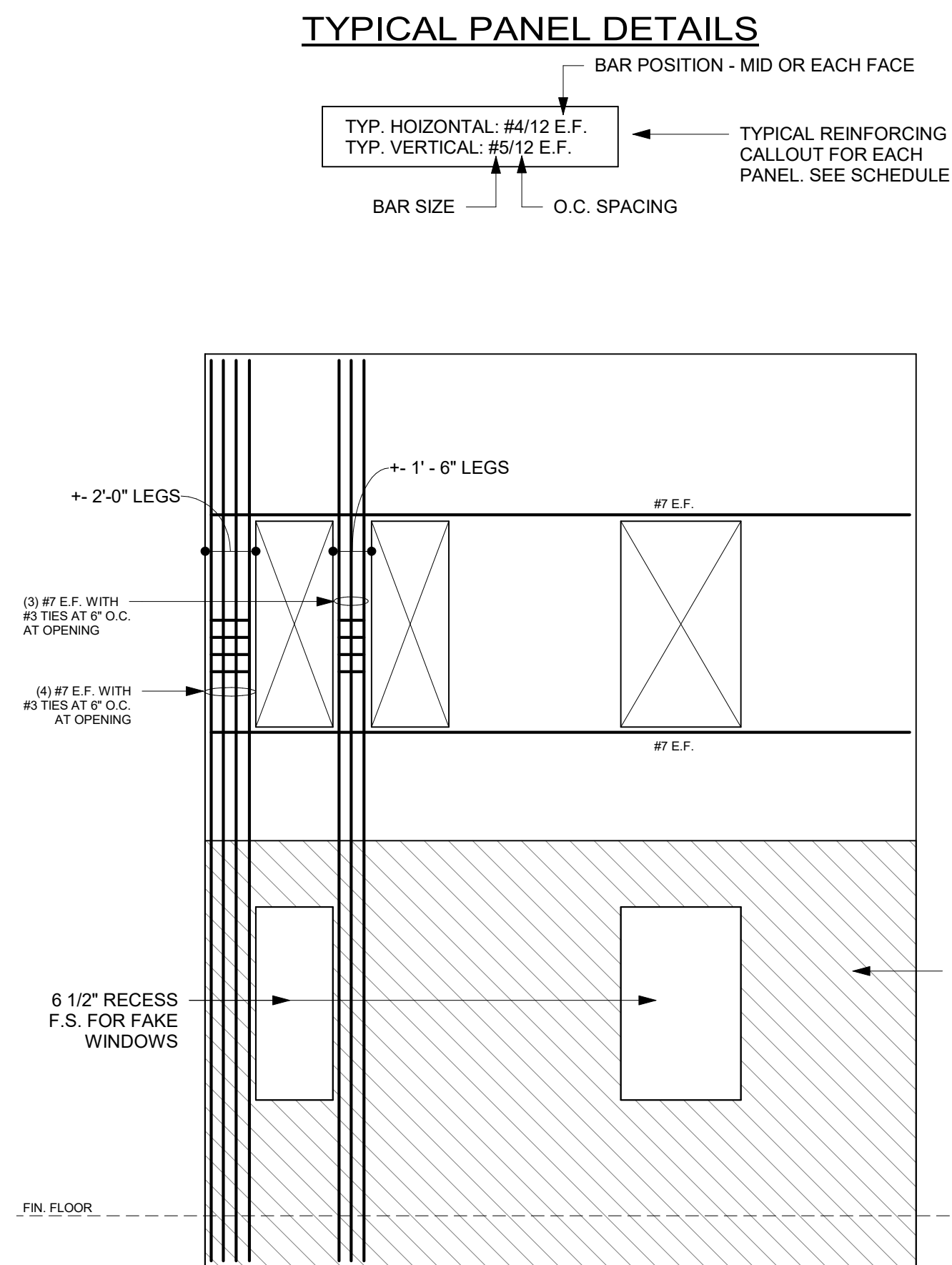
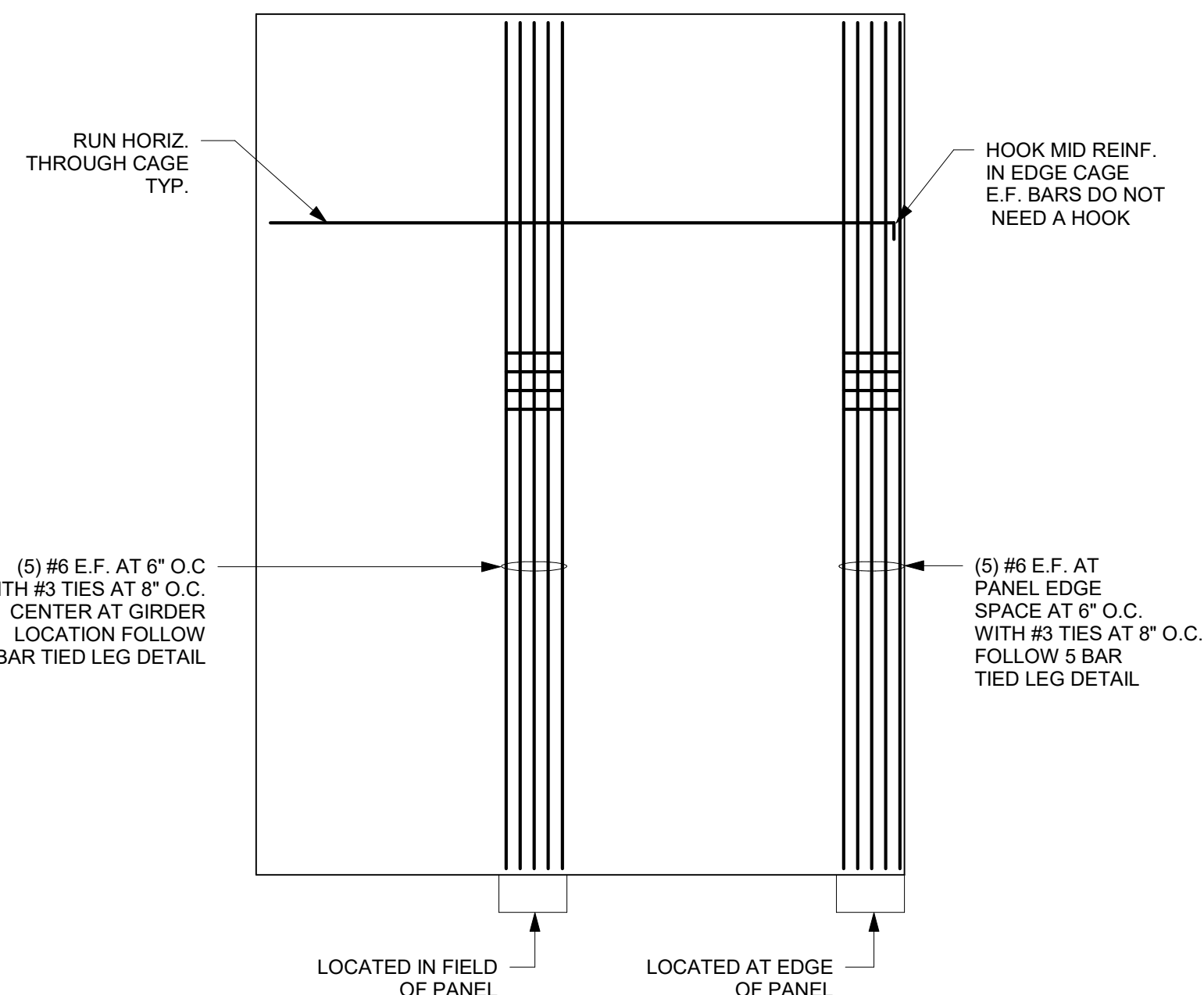






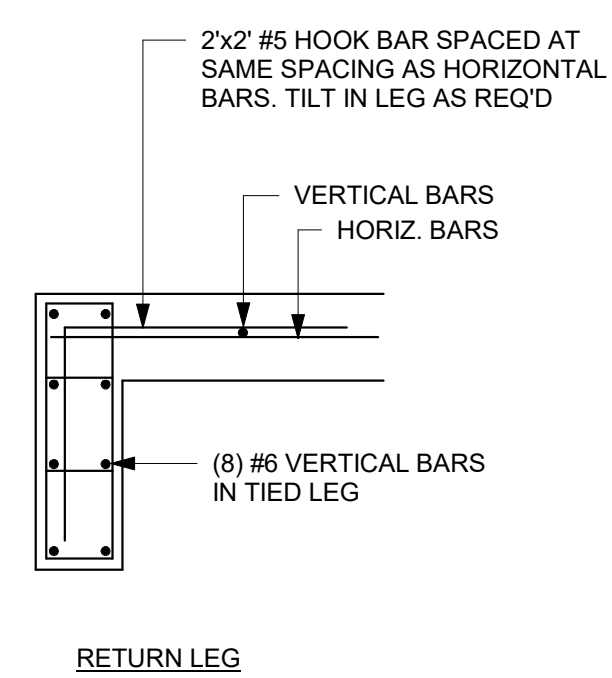
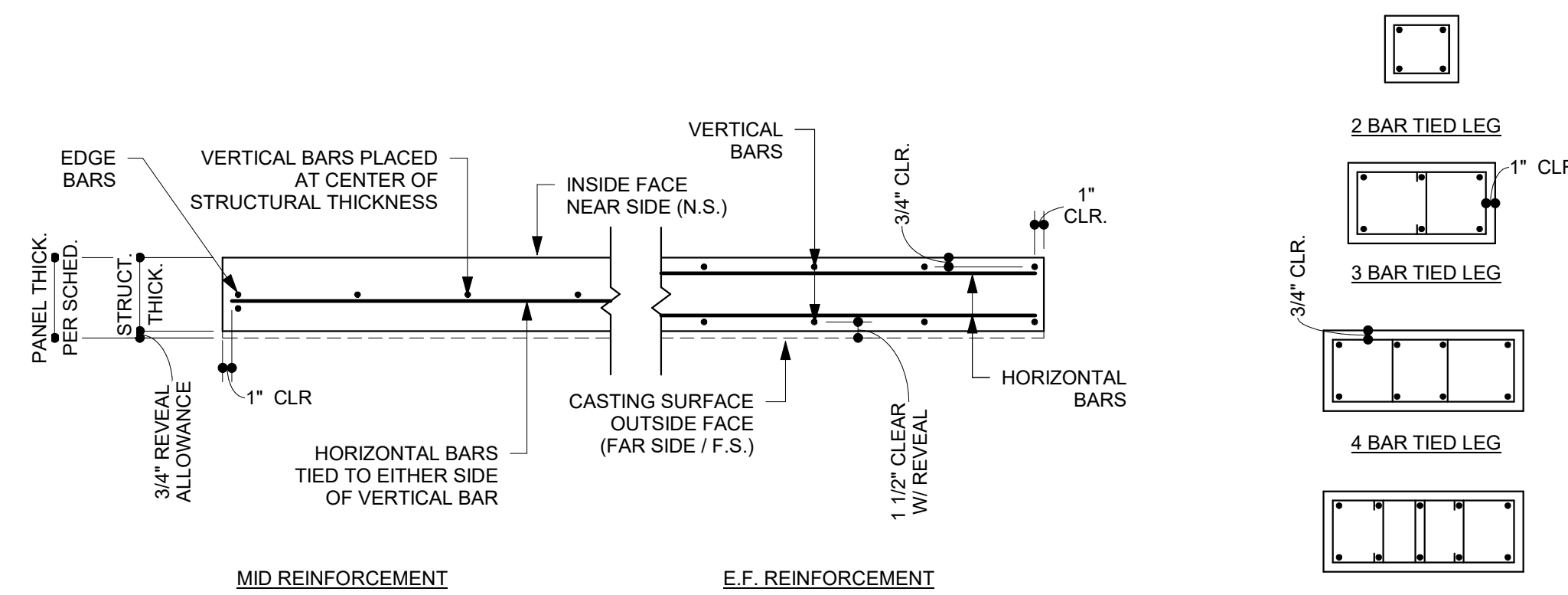
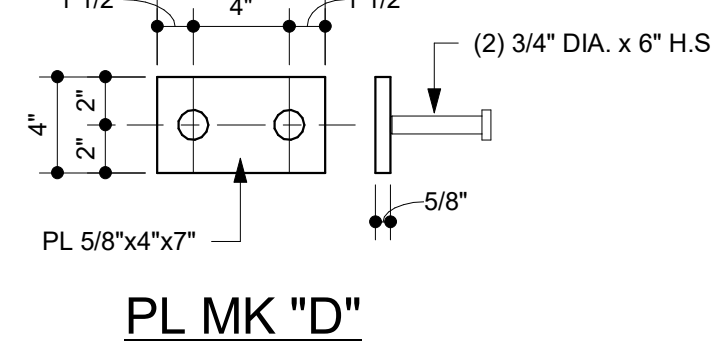
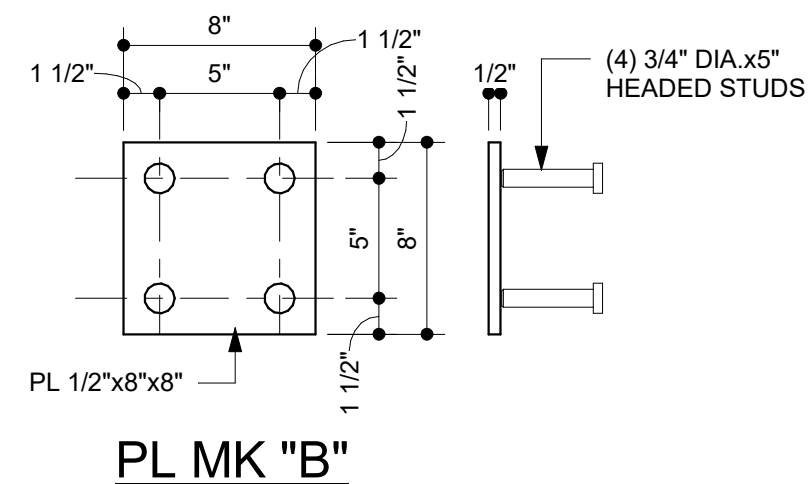
PANEL REINFORCING SCHEDULE				
PANEL NUMBERS	THICKNESS	TYPICAL REINFORCEMENT		NOTES
		VERTICAL	HORIZONTAL	
P-1, P-3 THRU P-8	8.00" / 12.00"	#7/12 E.F.	#4/12 E.F.	SEE SS.56 FOR ADD. BARS
P-2	8.00"	#6/12 E.F.	#4/12 E.F.	
LP-1	16.00"	#5/10 E.F.	#5/10 E.F.	HOOK LONG BOTTOM BARS
TP-1, TP-2	16.00"	(5) #7 E.F.	#3 TIES @ 10" O.C.	TIED COLUMN CAGE
P-9 (8" TYP.), P-10, P-11	8.00"	#5/10 E.F.	#4/12 E.F.	SEE SS.16 FOR ADD. BARS
P-22, P-23, P-25	8.00"	#6/10 E.F.	#4/12 E.F.	(2) #6 E.F. VERT W/ #3 TIES AT 6" O.C. AT OPNG AT MAIN DOOR LEG FOR PANEL P-25. ADD GIRDER CAGE FOR PANEL P-23
P-16, P-41	8.00"	#5/10 MID	#4/12 MID	SEE SS.16 FOR ADD. BARS
P-2A, P-12 THRU P-16, P-18, P-19 P-37 THRU P-40, SP-1	8.00"	#5/12 MID	#4/12 MID	ADD GIRDER CAGE FOR PANEL P-18
P-28, P-29, P-32 THRU P-35	8.00" + 4.00"	#5/12 MID	#4/12 MID	
P-30, P-31	8.00" + 4.00"	#6/10 MID	#4/12 MID	
P-36	8.00"	#6/10 MID	#4/12 MID	
P-20, P-21	9.25"			SEE SS.16 FOR REINF.
P-26, P-27	14.00"			SEE SS.16 FOR REINF.

8.00" + 4.00" ARE INSULATED PANELS WITH AN 8" MAIN STRUCTURAL WYTHE, 4" OF THERMOMASS INSULATION, AND A 4.00" THICK FACING LAYER. THE FACING LAYER TO BE REINFORCED WITH 6x6 W2.9xW2.9 WWF CHAIRED MID-HEIGHT OF WYTHE. REFER TO THE THERMOMASS WEB SITE FOR ADDITIONAL INFORMATION.

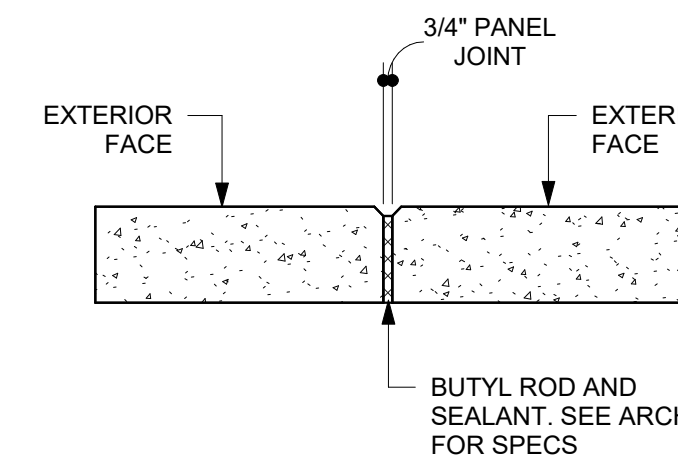


P-1, P-3, P-5, P-7, P-8

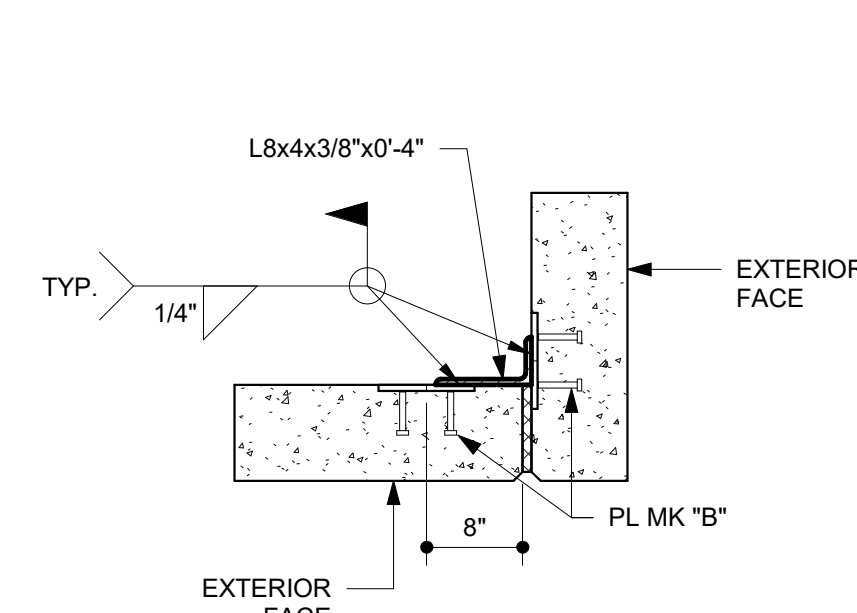
P-4,P-6



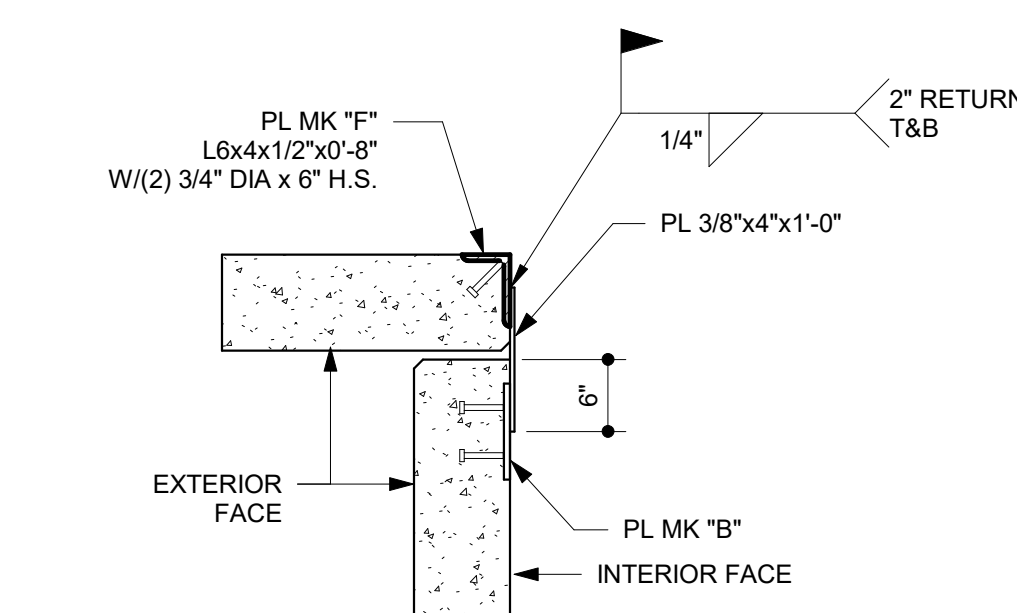
PROVIDE MINIMUM TWO (4) CONNECTIONS PER LEVEL BETWEEN PANELS AT INSIDE BUTT, OUTSIDE BUTT, AND MITER CORNERS ONLY. U.N.O. ON PLAN (DETAILS C, D, E AND F BELOW). PROVIDE DETAIL F ONLY WHERE INDICATED ON PLAN. LOCATE CONNECTIONS AT 2'-0" A.F.F. (GROUND) AND AT 2'-0" BELOW SECOND FLOOR OR ROOF TRUSS BEARING TYPICAL U.N.O. RECESS ALL PLATES 3/4" AT ALL LOCATIONS EXCEPT FOR THE GUN RANGE AREA. IF CALLOUT DOES NOT SPECIFY SPACING, SPACE CONNECTIONS EQUALLY BETWEEN FLOORS. RECESS ALL EMBED CONNECTIONS EXPOSED TO WEATHER 3/4" AND PATCH AFTER INSPECTION



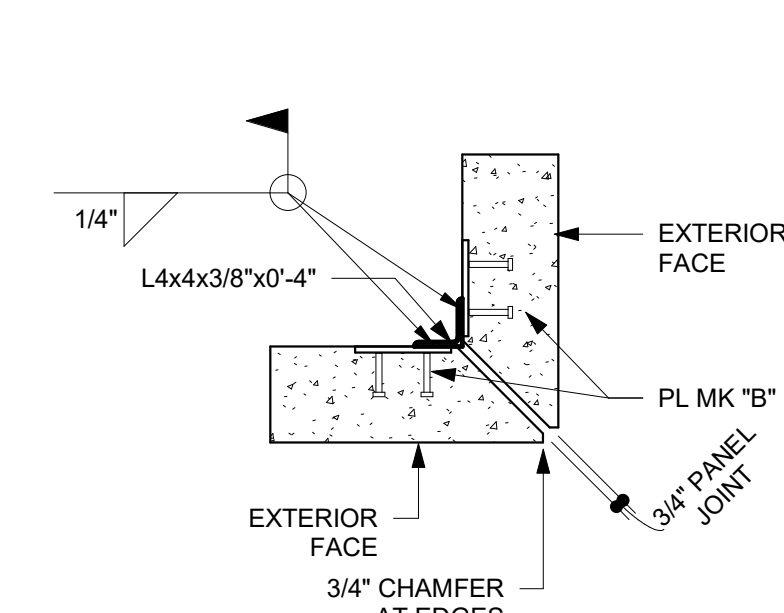
REINFORCEMENT PLACEMENT DIAGRAM



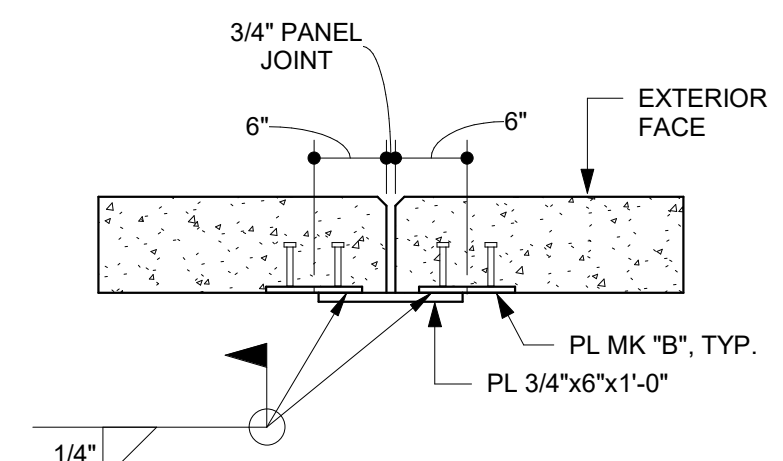
C OUTSIDE BUTT JOINT



D INSIDE BUTT JOINT
3/4" = 1'-0"

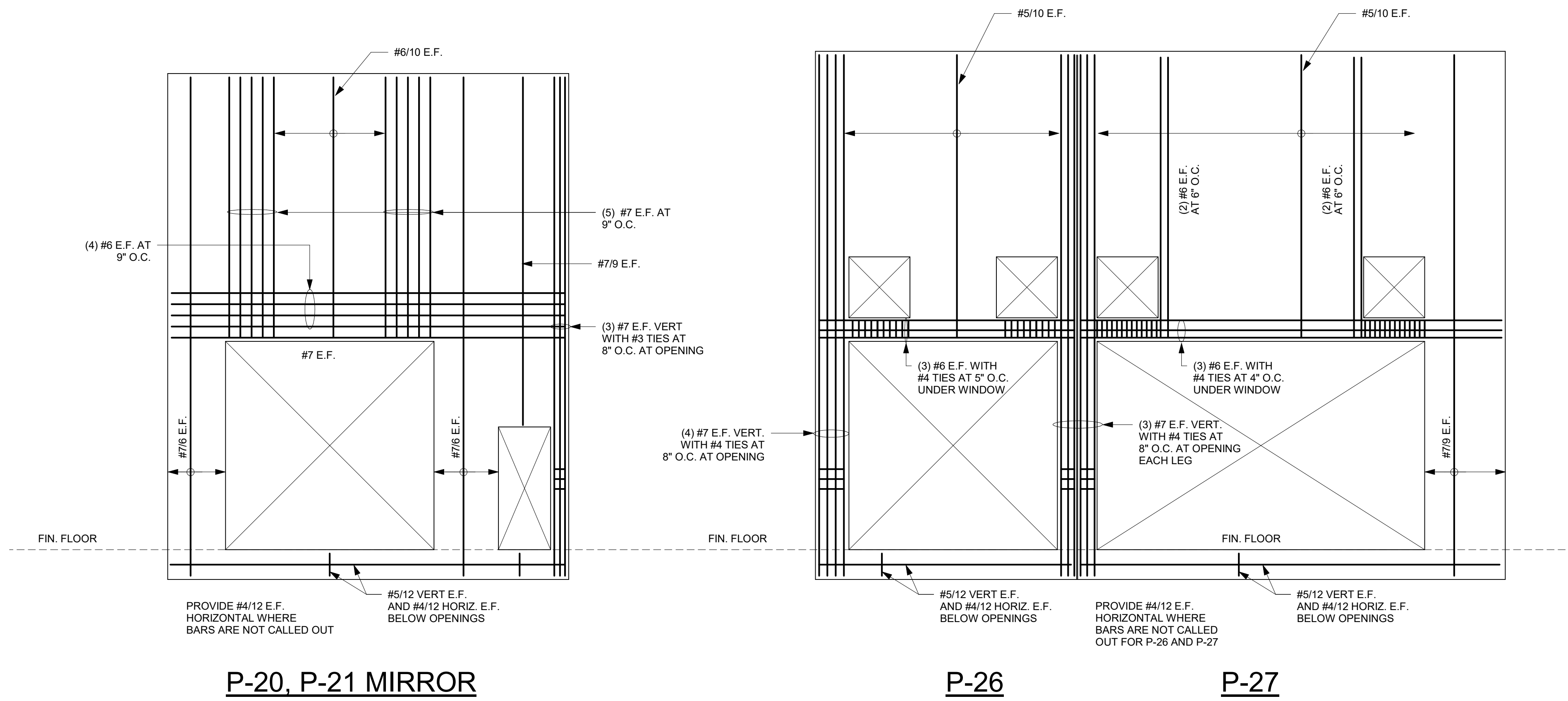
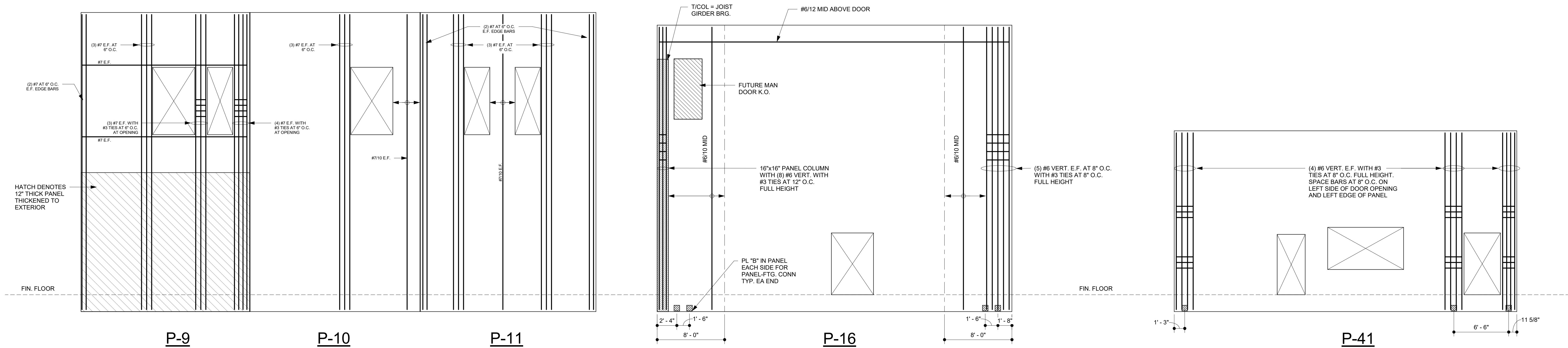


E MITER CORNER
3/4" = 1'-0"



F PANEL-PANEL CONNECTION
3/4" = 1'-0"

FILE NAME: C:\USC\ISC C Drive\24115- Riviera Beach Police\Revit 2024\24115 RBPD_EFR_S_P24_Clear Span.rvt
DATE STAMP: 10/23/2025 11:51:25 AM



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ARCHITECT



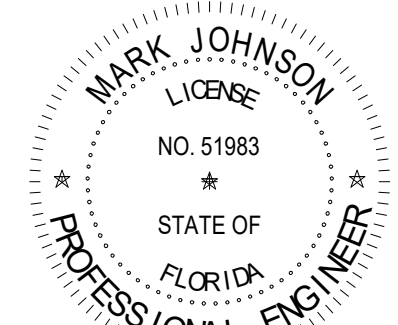
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SHEET TITLE

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S5.1E