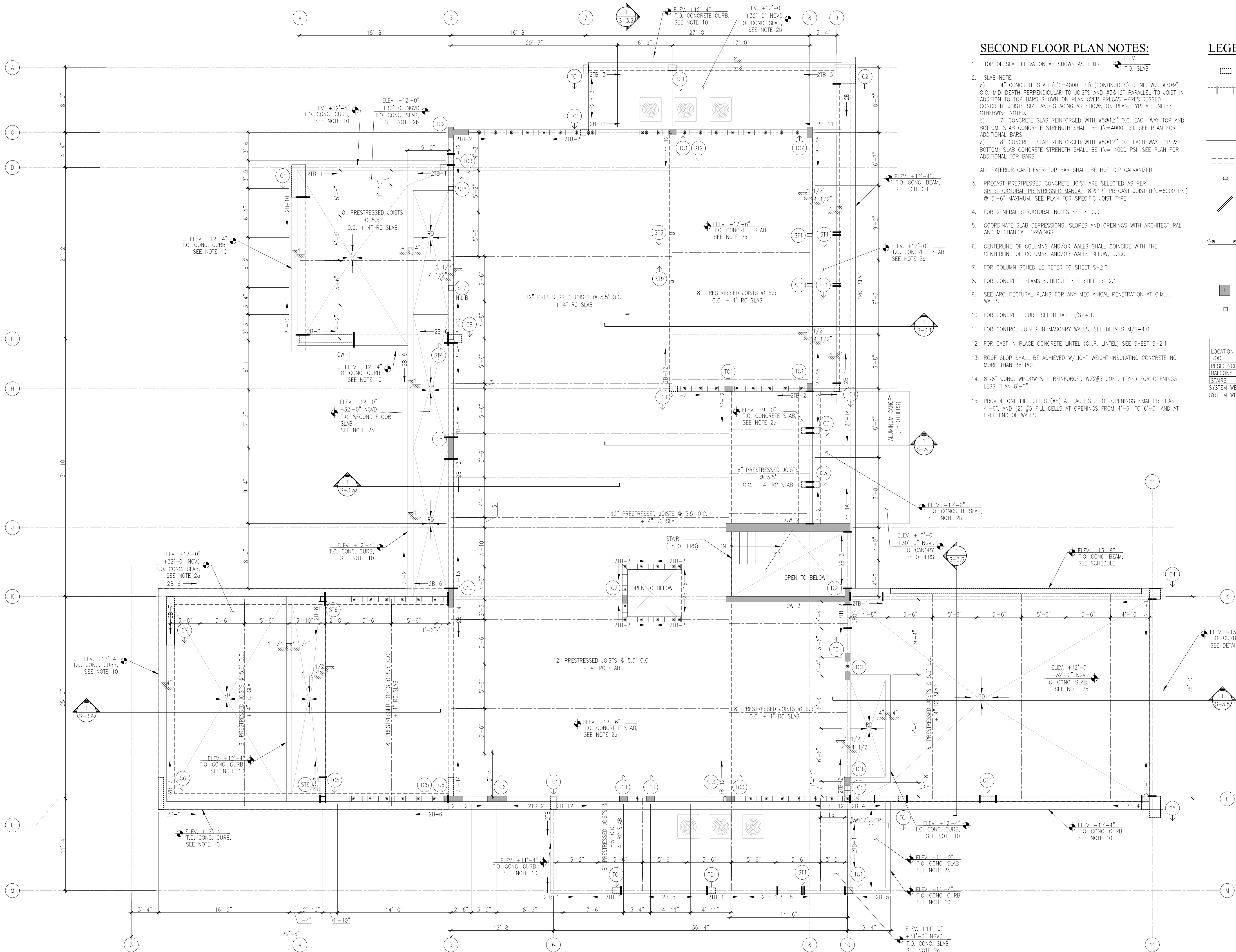


JD MIAMI

GENERAL CONTRACTOR
JD ENGINEERING & CONSTRUCTION, CORP.
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ORIGINAL ISSUE DATE: 11-15-2024
PLOT DATE:



SECOND FLOOR FRAMING PLAN
SCALE: 3/16"=1'-0"

SECOND FLOOR PLAN NOTES:

- TOP OF SLAB ELEVATION AS SHOWN AS THUS
- SLAB NOTE:
 - 4" CONCRETE SLAB (F'C=4000 PSI) (CONTINUOUS) REINF. W/ #309" O.C. MID-DEPTH PERPENDICULAR TO JOISTS AND #3012" PARALLEL TO JOIST IN ADDITION TO TOP BARS SHOWN ON PLAN OVER PRECAST-PRESTRESSED CONCRETE JOISTS SIZE AND SPACING AS SHOWN ON PLAN. TYPICAL UNLESS OTHERWISE NOTED.
 - 7" CONCRETE SLAB REINFORCED WITH #5012" O.C. EACH WAY TOP AND BOTTOM. SLAB CONCRETE STRENGTH SHALL BE f'c=4000 PSI. SEE PLAN FOR ADDITIONAL BARS.
 - 8" CONCRETE SLAB REINFORCED WITH #5012" O.C. EACH WAY TOP & BOTTOM. SLAB CONCRETE STRENGTH SHALL BE f'c= 4000 PSI. SEE PLAN FOR ADDITIONAL TOP BARS.
- PRECAST PRESTRESSED CONCRETE JOIST ARE SELECTED AS PER SPL STRUCTURAL PRESTRESSED MANUAL: 8"x12" PRECAST JOIST (F'C=6000 PSI) @ 5'-6" MAXIMUM, SEE PLAN FOR SPECIFIC JOIST TYPE.
- FOR GENERAL STRUCTURAL NOTES SEE S-0.0
- COORDINATE SLAB DEPRESSIONS, SLOPES AND OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CENTERLINE OF COLUMNS AND/OR WALLS SHALL COINCIDE WITH THE CENTERLINE OF COLUMNS AND/OR WALLS BELOW, U.N.O
- FOR COLUMN SCHEDULE REFER TO SHEET S-2.0
- FOR CONCRETE BEAMS SCHEDULE SEE SHEET S-2.1
- SEE ARCHITECTURAL PLANS FOR ANY MECHANICAL PENETRATION AT C.M.U. WALLS.
- FOR CONCRETE CURB SEE DETAIL B/S-4.1.
- FOR CONTROL JOINTS IN MASONRY WALLS, SEE DETAILS W/S-4.0
- FOR CAST IN PLACE CONCRETE LINTEL (C.I.P. LINTEL) SEE SHEET S-2.1
- ROOF SLOP SHALL BE ACHIEVED W/LIGHT WEIGHT INSULATING CONCRETE NO MORE THAN 38 PCF.
- 8"x8" CONC. WINDOW SILL REINFORCED W/2#5 CONT. (TYP.) FOR OPENINGS LESS THAN 8'-0".
- PROVIDE ONE FILL CELLS (#5) AT EACH SIDE OF OPENINGS SMALLER THAN 4'-6", AND (2) #5 FILL CELLS AT OPENINGS FROM 4'-6" TO 6'-0" AND AT FREE END OF WALLS.

LEGEND:

- DENOTES LOAD-BEARING CONCRETE TIE COLUMN OR COLUMN BELOW
- SHORT BLACK LINES DENOTE WINDOWS AND DOORS (OPENINGS) BELOW TIE-BEAM OR CONC. BEAM
- PRESTRESSED JOISTS
- NEW CONCRETE SLAB
- DENOTES CONC. BEAMS AND TIE-BEAM (BELOW)
- DENOTES STEEL COLUMN (BELOW)
- DENOTES (2) #4 X 4'-0" DIAGONAL CRACK CONTROL BARS PLACED TOP & BOT. AT ALL RE-ENTRANT CORNERS & AS SHOWN, TYP.
- HATCHED AREA DENOTES LOAD-BEARING 8" MASONRY WALL (TYPE CMU-1), REINFORCED W/ #5032" O.C.(AT ZONE 4) AND #5024" O.C (AT ZONE 5)(EXTERIOR WALLS) OR REINFORCED W/ #5040" O.C. (INTERIOR WALLS) U.N.O.
- HATCHED AREA DENOTES LOAD-BEARING CONCRETE TIE COLUMN OR COLUMN
- STEEL COLUMN

SUPERIMPOSED LOADS			
LOCATION / USE	DEAD	LIVE	
ROOF	20 PSF	30 PSF	
RESIDENCE	35 PSF	40 PSF	
BALCONY	15 PSF	60 PSF	
STAIRS	20 PSF	40 PSF	
SYSTEM WEIGHT (8" PRESTR. CONC. JOIST)=59 PSF			
SYSTEM WEIGHT (12" PRESTR. CONC. JOIST)=63 PSF			

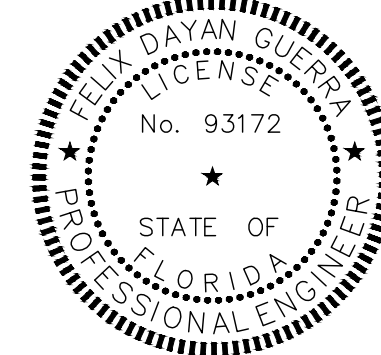
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05; cn=Felix D Guerra
Date: 2025.12.09
18:35:28 -05'00'
Adobe Acrobat version:
2025.001.20937

OWNER:
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ROAD, LLC.
8879 SW 131st ST
MIAMI, FL 33176

JOB TITLE:
NEW SINGLE FAMILY
RESIDENCE
12700 ROLLING ROAD DR.
PINECREST, FL 33156

SHEET TITLE:
SECOND FLOOR
FRAMING PLAN

CONSULTANT:



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M + E + P ENGINEER
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19570 W 84TH AVE.
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REVISIONS:

JOB:
25-0032

SHEET:

S-1.1

1. TOP OF SLAB ELEVATION AS SHOWN AS THUS ELEV.
T.O. SLAB

2. SLAB NOTE:

a) 4" CONCRETE SLAB (f'c=4000 PSI) (CONTINUOUS) REINF. W/ $\#3@9"$ O.C. MID-DEPTH PERPENDICULAR TO JOISTS AND $\#3@12"$ PARALLEL TO JOIST IN ADDITION TO TOP BARS SHOWN ON PLAN OR PRECAST-PRESTRESSED CONCRETE JOISTS SIZE AND SPACING AS SHOWN ON PLAN. TYPICAL UNLESS OTHERWISE NOTED.

b) 7" CONCRETE SLAB REINFORCED WITH $\#5@12"$ O.C. EACH WAY TOP AND BOTTOM. SLAB CONCRETE STRENGTH SHALL BE f'c=4000 PSI. SEE PLAN FOR ADDITIONAL BARS.

c) 6" CONCRETE SLAB (f'c=4000psi) REINF. W/ $\#4@12"$ O.C. EACH WAY TOP & BOTTOM.

ALL EXTERIOR CANTILEVER TOP BAR SHALL BE HOT-DIP GALVANIZED

3. PRECAST PRESTRESSED CONCRETE JOIST ARE SELECTED AS PER SBL STRUCTURAL PRESTRESSED MANUAL. $8" \times 12"$ PRECAST JOIST (f'c=6000 PSI) @ 5'-6" MAXIMUM. SEE PLAN FOR SPECIFIC JOIST TYPE.

4. FOR GENERAL STRUCTURAL NOTES SEE S-0.0

5. COORDINATE SLAB DEPRESSIONS, SLOPES AND OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

6. CENTERLINE OF COLUMNS AND/OR WALLS SHALL COINCIDE WITH THE CENTERLINE OF COLUMNS AND/OR WALLS BELOW. U.N.O

7. FOR CONCRETE BEAMS SCHEDULE SEE SHEET S-2.0

8. ROOF SLOP SHALL BE ACHIEVED W/LIGHT WEIGHT INSULATING CONCRETE NO MORE THAN 38 PCF.

9. FOR CONCRETE DROP SEE DETAIL B/S-4.1.

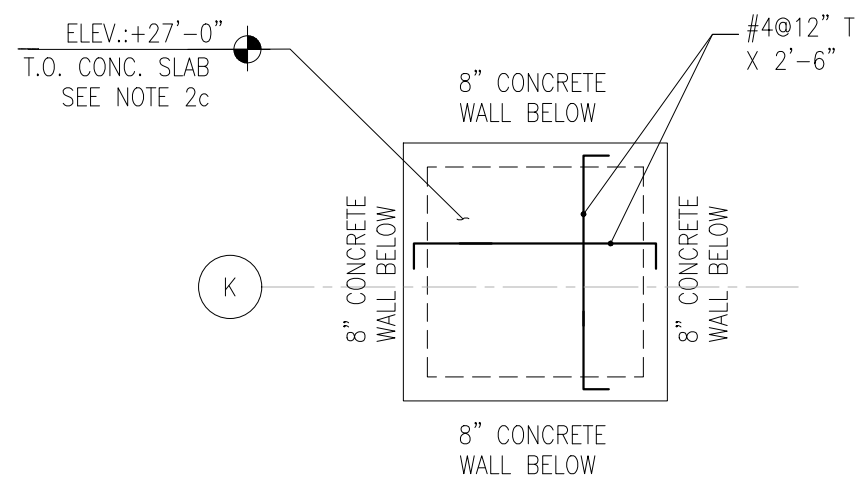
10. MW-1 DENOTES NON-LOAD BEARING MASONRY WALL.

	DENOTES LOAD-BEARING CONCRETE THE COLUMN OR COLUMN BELOW
	SHORT BLACK LINES DENOTE WINDOWS AND DOORS (OPENINGS) BELOW
	TIE-BEAM OR CONC. BEAM
	PRESTRESSED JOISTS
	NEW CONCRETE SLAB
	DENOTES CONC. BEAMS AND TIE-BEAM (BELOW)
	DENOTES STEEL COLUMN (BELOW)
	HATCHED AREA DENOTES NON LOAD-BEARING 8" MASONRY WALL.

RD REGISTER

SUPERIMPOSED LOADS		
LOCATION / USE	DEAD	LIVE
ROOF	20 PSF	30 PSF

SYSTEM WEIGHT (8" PRESTR. CONC. JOIST)=59 PSF
SYSTEM WEIGHT (12" PRESTR. CONC. JOIST)=63 PSF



This structural floor plan illustrates the layout of a building, detailing the arrangement of joists, slabs, and various structural elements. The plan is bounded by grid lines 4 through 9 horizontally and A through L vertically.

Key Features and Annotations:

- Joists and Slabs:**
 - 12" PRESTRESSED JOISTS @ 5.5' O.C. + 4" RC SLAB
 - 8" PRESTRESSED JOISTS @ 5.5' O.C. + 4" RC SLAB
 - DROP SLAB
- Elevations and Levels:**
 - ELEV. +23'-6" +43'-6" NGVD T.O. CONC. SLAB, SEE NOTE 2a
 - ELEV. +25'-0" T.O. CONCRETE SLAB, SEE NOTE 2b
 - ELEV. +25'-4" T.O. CONCRETE CURB, SEE NOTE 9
 - ELEV. +25'-0" +45'-0" NGVD T.O. CONC. SLAB, SEE NOTE 2a
- Structural Elements and Details:**
 - RTB-1, RTB-2, RTB-3, RTB-4, RTB-5, RTB-6, RTB-7, RTB-8, RTB-9, RTB-10, RTB-11, RTB-12, RTB-13
 - RB-1, RB-2, RB-3, RB-4, RB-5, RB-6, RB-7, RB-8, RB-9, RB-10, RB-11, RB-12, RB-13
 - MW-1
 - JOIST TO BE LOCATED UNDER MW-1
 - OPEN TO BELOW
 - 1/2" / 1'-0"
 - #5@12" TOP
 - Ldt
 - RD
- Dimensions:**
 - Horizontal: 5'-4", 16'-8", 10'-8", 27'-8", 3'-4", 2'-0"
 - Vertical: 5'-8", 4'-4", 21'-2", 6'-2", 17'-2", 3'-6", 5'-0", 5'-4", 18'-8", 12'-8", 31'-8", 4'-8", 5'-4"

JD **MIAMI**

GENERAL CONTRACTOR

JD ENGINEERING & CONSTRUCTION, CORP.

DBA: JD-MIAMI

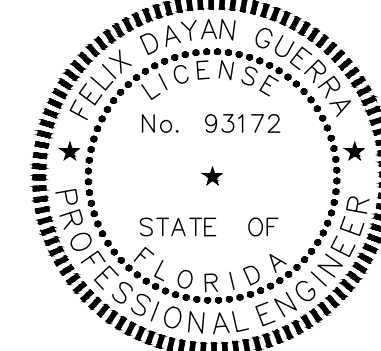
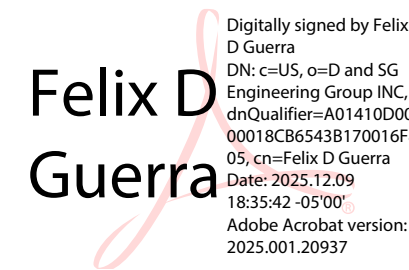
Yael Ogi, CEC 1522797, CFC 142694,
A/E, P.E. 1522797, 3971
O: C. (786) 312-6511 F. (305) 209-9636
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PINECREST, FL 33156

SHEET TITLE:
ROOF FRAMING PLAN

CONSULTANT:



ARCHITECTURE + STRUCTURE

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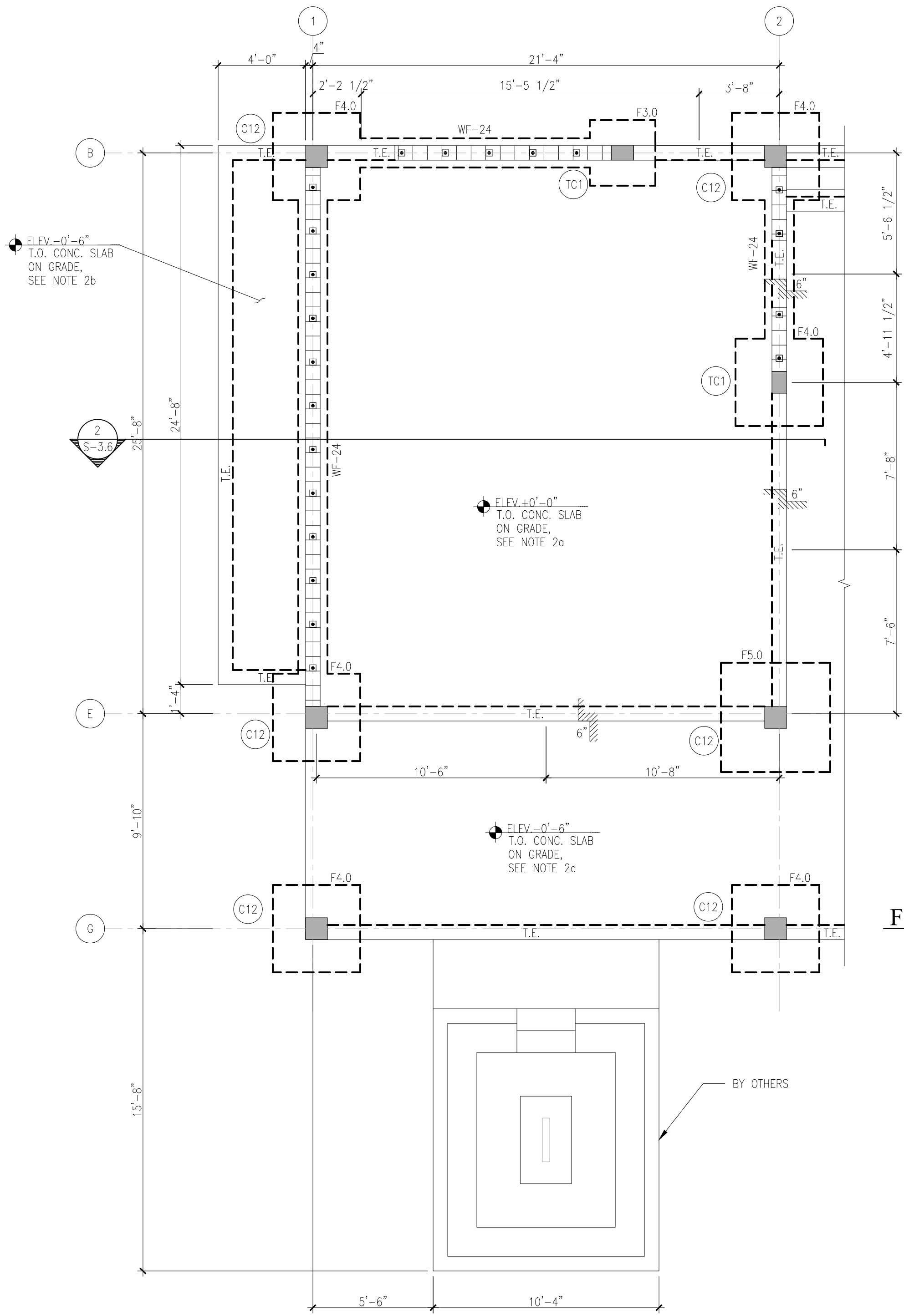
REVISIONS

JOB: 25-0032

SHEET:

S-1.2

ORIGINAL ISSUE DATE: 11-15-2024
PLOT DATE:

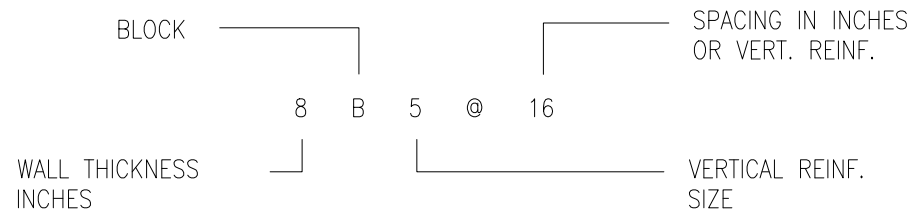


FOUNDATION PLAN
SCALE: 1/4"=1'-0"

FOUNDATION PLAN NOTES:

- TOP OF SLAB ELEVATION AS SHOWN AS THIS ELEV. T.O. SLAB
- SLAB NOTES:
 - 4" CONCRETE ON VAPOR BARRIER OVER WELL COMPACTED FILL REINFORCED WITH 6X6W2.1XW2.1 WELDED WIRE FABRIC PLACED 1" FROM THE TOP OF SLAB
- FOR GENERAL STRUCTURAL NOTES SEE S-0.0.
- COORDINATE SLAB DEPRESSIONS, SLOPES AND OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CENTERLINE OF COLUMNS AND/OR WALLS SHALL COINCIDE WITH THE CENTERLINE OF BEAMS AND/OR FOUNDATIONS BELOW, U.N.O.
- SEE ARCHITECTURAL PLANS FOR ANY MECHANICAL PENETRATION AT C.M.U. WALLS.
- ALL C.M.U. WALLS BELOW GRADE SHALL BE FULLY GROUTED.
- PROVIDE ONE FILL CELLS (#5) AT EACH SIDE OF OPENINGS SMALLER THAN 4'-6", AND (2) #5 FILL CELLS AT OPENINGS FROM 4'-6" TO 6'-0" AND AT FREE END OF WALLS.
- 8" MASONRY WALLS SHALL BE REINFORCED WITH #5@40 VERTICAL REINFORCING U.N.O. SEE LEGEND FOR OTHERS CASES AND GENERAL NOTES AT SHEET S-0.0 FOR HORIZONTAL REINFORCING.
- REFER TO ARCHITECTURAL DRAWINGS FOR WATERPROOFING REQUIREMENTS.
- T.E. DENOTES 8"x12"(MIN.) THICKENED CONCRETE SLAB EDGE REINFORCED W/ 2-#5 BOTTOM CONTINUOUS. SEE DETAIL A/S-4.0.
- TOP OF FOOTING SHALL BE -4'-0" (+13'-0" NGVD) BELOW EXISTING GRADE U.N.O.
- C.J. DENOTES CONTROL JOINTS IN SLAB ON GRADE. SEE DETAIL F/S-4.0.

WALL LEGEND:

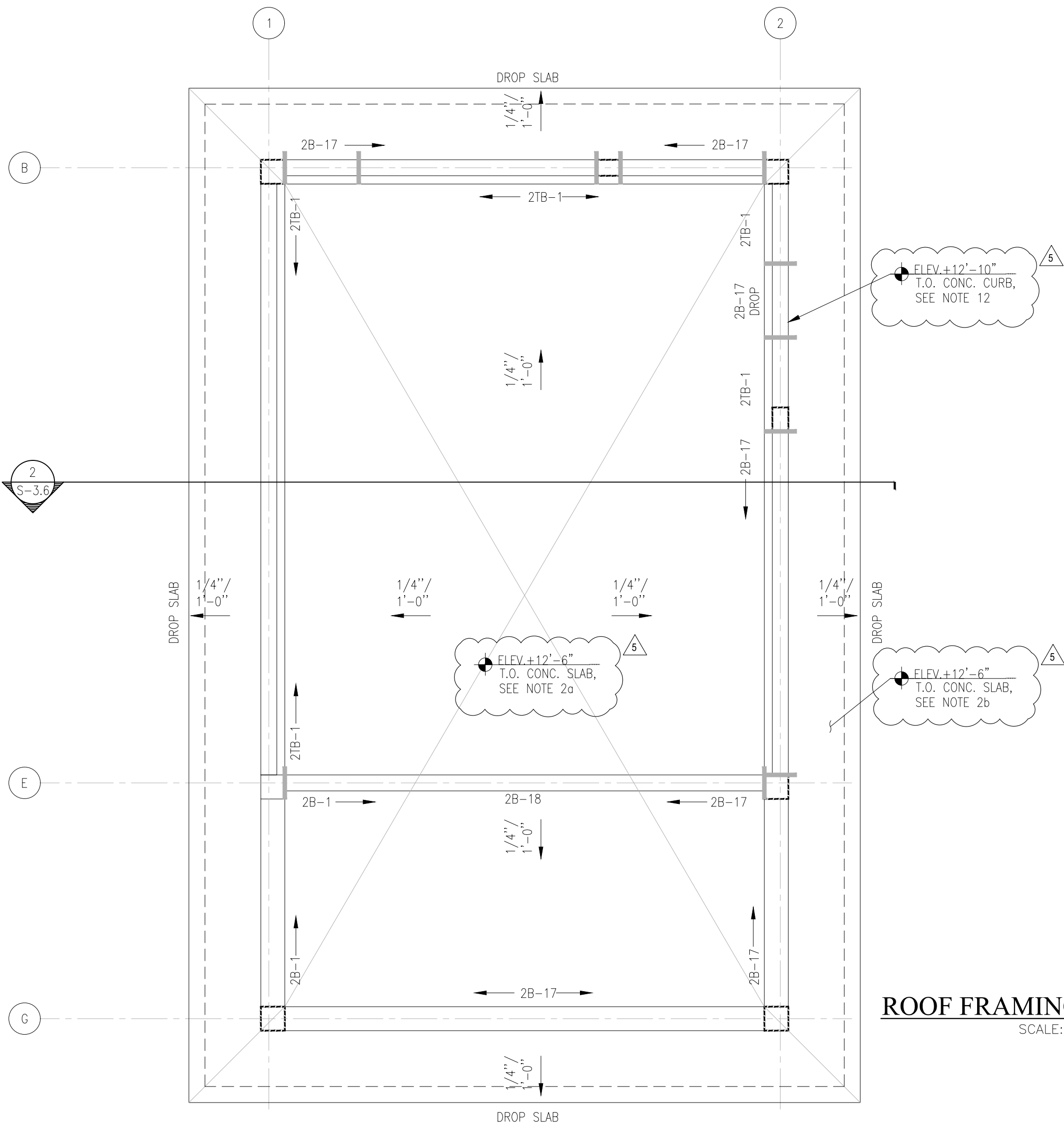


NOTES:

CONTRACTOR SHALL CONFIRM THE LOCATION ALL FOUNDATION AND STRUCTURAL FRAMING MEMBERS TO BE SITUATED ON OR WITHIN THE PROPERTY LINE WITH A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA. ALL FOUNDATIONS SHOWN ARE INTENDED TO BE WITHIN OR ON PROPERTY LINE.

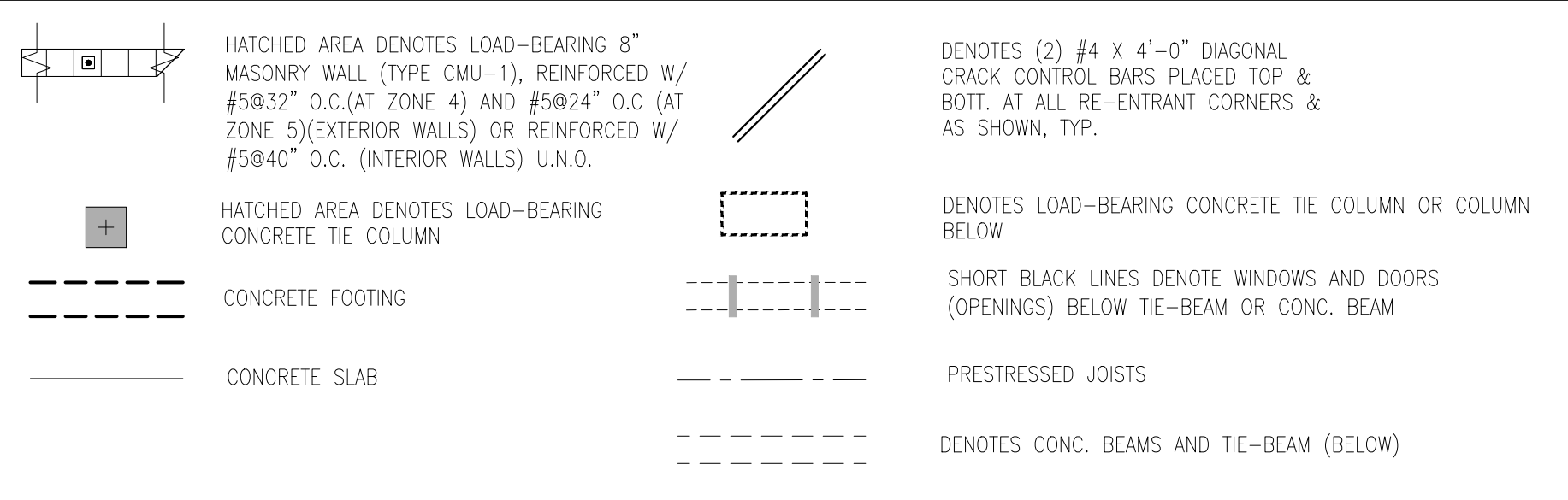
SUPERIMPOSED LOADS		
LOCATION / USE	DEAD	LIVE
ROOMS	35 PSF	40 PSF
ROOF	20 PSF	30 PSF

SYSTEM WEIGHT (8" PRESTR. CONC. JOIST)=59 PSF
SYSTEM WEIGHT (12" PRESTR. CONC. JOIST)=63 PSF



ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

LEGEND:



ROOF FRAMING PLAN NOTES:

- TOP OF SLAB ELEVATION AS SHOWN AS THIS ELEV. T.O. SLAB
- SLAB NOTE:
 - 4" CONCRETE SLAB (F'C=4000 PSI) (CONTINUOUS) REINF. W/ #3@9" O.C. MID-DEPTH PERPENDICULAR TO JOISTS AND #3@12" PARALLEL TO JOIST IN ADDITION TO TOP BARS SHOWN ON PLAN OVER PRECAST-PRESTRESSED CONCRETE JOISTS SIZE AND SPACING AS SHOWN ON PLAN, TYPICAL UNLESS OTHERWISE NOTED.
 - 6" CONCRETE SLAB W/#4@12" O.C. EACH WAY TOP & BOTTOM.
- ALL EXTERIOR CANTILEVER TOP BAR SHALL BE HOT-DIP GALVANIZED
- PRECAST PRESTRESSED CONCRETE JOIST ARE SELECTED AS PER SPl STRUCTURAL PRESTRESSED MANUAL: 8" PRECAST JOIST (F'C=6000 PSI) @ 5'-6" MAXIMUM, SEE PLAN FOR SPECIFIC JOIST TYPE.
- FOR GENERAL STRUCTURAL NOTES SEE S-0.0
- COORDINATE SLAB DEPRESSIONS, SLOPES AND OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CENTERLINE OF COLUMNS AND/OR WALLS SHALL COINCIDE WITH THE CENTERLINE OF COLUMNS AND/OR WALLS BELOW, U.N.O
- FOR COLUMN SCHEDULE REFER TO SHEET S-2.0
- FOR CONCRETE BEAMS SCHEDULE SEE SHEET S-2.0
- SEE ARCHITECTURAL PLANS FOR ANY MECHANICAL PENETRATION AT C.M.U. WALLS.
- FOR CONTROL JOINTS IN MASONRY WALLS, SEE DETAILS M/S-4.0
- FOR CAST IN PLACE CONCRETE LINTEL (C.I.P. LINTEL) SEE SHEET S-2.0
- FOR CONCRETE CURB SEE DETAIL B/S-4.1

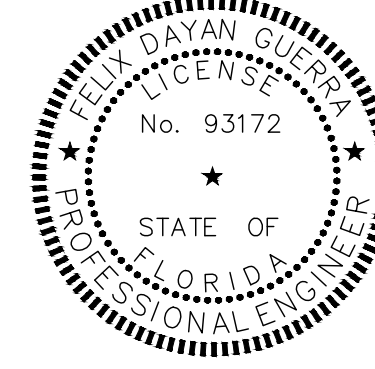
Felix D Guerra
Digitally signed by Felix D Guerra
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Date: 2025.12.09 18:35:56 -05'00'
Adobe Acrobat version: 2025.001.20937

OWNER:
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JOB TITLE:
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RESIDENCE
12700 ROLLING ROAD DR.
PINECREST, FL 33156

SHEET TITLE:
GYM FRAMING PLAN

CONSULTANT:



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REVISIONS:

REV#	DATE	COMMENTS
1	12-05-2025	B.D. COMMENTS

JOB:
25-0032

SHEET:

S-1.3

BEAM SCHEDULE											E.F. = EACH FACE	
MARK	TOP OF BEAM ELEV.	SIZE (in.) b x d	LONGITUDINAL REINFORCEMENT					STIRRUPS			REMARKS	
			B	A	T	C	E	F (E.F.)	No.	TYPE		SPACING
2B-1	+12'-0"	8"x24"	4 #6*		4 #6*			(1)#6	#3		Ø9"	(*) 2 LAYERS(2/2)
2B-1A	+12'-4"	8"x28"	4 #5*		4 #5*			(1)#5	#3		Ø12"	(*) 2 LAYERS(2/2)
2B-2	+12'-6"	8"x50"	(6)#5*		(6)#5*			(2)#5	#3		Ø12"	MOMENT FRAME, SEE SCHEDULE S-2.1 (*) 3 LAYERS(2/2/2)
2B-3	+12'-6"	16"x26"	(4)#6		(4)#6			(1)#5	#3		Ø12"	
2B-4	+12'-4"	8"x52"	(4)#6*		(4)#6*			(2)#6	#3		Ø12"	(*) 2 LAYERS(2/2)
2B-5	+12'-4 1/2"	8"x24"	(2)#5		(2)#5				#3		Ø12"	
2B-6	+12'-0"	24"x24"	(6)#6		(6)#6		(2)#6	#3			Ø7"	
2B-7	+12'-0"	24"x24"	(4)#6		(4)#6			#3			Ø12"	MOMENT FRAME, SEE SCHEDULE S-2.1
2B-8	+12'-4 1/2"	8"x28.5"	(4)#5*		(4)#5*			(1)#5	#3		Ø12"	(*) 2 LAYERS(2/2)
2B-9	+12'-0"	12"x24"	(3)#6		(3)#6				#3		Ø4"	
2B-10	+12'-0"	20"x24"	(5)#5		(5)#5			#3			Ø10"	
2B-11	+12'-5 1/4"	8"x19.25"	(4)#6*		(4)#6*			#4			Ø4"	(*) 2 LAYERS(2/2)
2B-12	+12'-6"	8"x30"	(2)#6		(2)#6			(1)#5	#3		Ø4"	
2B-13	+12'-4 1/2"	8"x28.5"	(4)#5*		(4)#5*			(1)#5	#3		Ø12"	MOMENT FRAME, SEE SCHEDULE S-2.1 (*) 2 LAYERS(2/2)
2B-14	+12'-6"	8"x30"	(4)#5*		(4)#5*			(1)#5	#3		Ø5.5"	MOMENT FRAME, SEE SCHEDULE S-2.1 (*) 2 LAYERS(2/2)
2B-15	+12'-4 1/2"	8"x19.25"	(4)#5*		(4)#5*			(1)#5	#3		Ø8"	(*) 2 LAYERS(2/2)
2B-16	+12'-6"	8"x21"	(2)#5		(2)#5				#3		Ø12"	
2B-17	+11'-10"	8"x22"	(2)#6		(2)#5			(1)#5	#3		Ø5.5"	
2B-18	+11'-10"	8"x22"	(2)#5		(2)#5			(1)#5	#3		Ø5.5"	MOMENT FRAME, SEE SCHEDULE S-2.1
2TB-1	VARIES	8"x16"	2 #5		2 #5				#3		(4) Ø12" E.E. BAL Ø48" O.C.	
2TB-2	VARIES	8"x20"	2 #5		2 #5				#3		(4) Ø12" E.E. BAL Ø48" O.C.	
2TB-3	+12'-0"	8"x12"	2 #5		2 #5				#3		(4) Ø12" E.E. BAL Ø48" O.C.	
RB-1	+23-10"	8"x34"	(4)#5*		(4)#5*			1#5	#3		Ø12"	(*) 2 LAYERS(2/2)
RB-2	+23-10"	8"x22"	(2)#6		(2)#6			1#5	#3		Ø7"	MOMENT FRAME, SEE SCHEDULE S-2.1
RB-2A	+23-10"	8"x22"	(6)#6*		(6)#6*			1#5	#3		Ø5"	(*) 3 LAYERS(2/2/2)
RB-3	+25'-4"	8"x30"	(6)#7*		(6)#7*			1#5	#3		Ø5"	MOMENT FRAME, SEE SCHEDULE S-2.1 (*) 3 LAYERS(2/2/2)
RB-4	+25'-4"	8"x30"	(4)#6*		(4)#6*			1#5	#3		Ø10"	(*) 2 LAYERS(2/2)
RB-5	+25'-4"	8"x34"	(4)#7*		(4)#7*			1#5	#3		Ø10"	(*) 2 LAYERS(2/2)
RB-6	+25'-0"	8"x28.5"	(6)#7*		(6)#7*			1#6	#3		Ø10"	MOMENT FRAME, SEE SCHEDULE S-2.1 (*) 3 LAYERS(2/2/2)
RB-6A	+23'-10"	8"x22"	(4) #5*		(4) #5*			1#5	#3		Ø10"	MOMENT FRAME, SEE SCHEDULE S-2.1 (*) 2 LAYERS(2/2)
RB-7	+23'-10"	8"x22"	(4) #5*		(4) #5*			1#5	#3		Ø4"	(*) 2 LAYERS(2/2)
RB-8	+23'-6"	8"x22"	(4) #6*		(4) #6*			#3			Ø8"	(*) 2 LAYERS(2/2)
RB-9	+25'-0"	8"x28.5"	(6) #5*		(6) #5*			#3			Ø12"	(*) 3 LAYERS(2/2/2)
RB-10	+23'-6"	8"x30"	(4) #5*		(4) #5*			1#5	#3		Ø12"	(*) 2 LAYERS(2/2)
RB-11	+26'-0"	8"x21"	(2)#5		(2)#5			#3			Ø12"	
RB-12		8"x21"	(2)#5		(2)#5			#3			Ø12"	
RB-13												
RTB-1	+25'-0"	8"x20"	(2)#6		(2)#6				3		(4) Ø12" E.E. BAL Ø48" O.C.	

CONCRETE LINTEL SCHEDULE					
WIDTH	HEIGHT	CLEAR SPAN IN FEET	REINFORCING		TIES
			TOP	BOTTOM	
8"	8"	5'-0" TO 7'-0"	2#4	2#5	#3Ø12"OC
8"	12"	7'-0" TO 9'-0"	2#5	2#5	5#3Ø4"EE, BAL Ø12"OC
8"	16"	9'-0" TO 12'-0"	2#5	2#6	5#3Ø6"EE, BAL Ø12"OC

BEAM INTERMEDIATE REINFORCEMENT				
BEAM DEPTH	BEAMS 6" TO 8" WIDE	BEAMS 9" TO 14" WIDE	BEAMS 15" TO 20" WIDE	BEAMS 21" TO 24" WIDE
UP TO 24"	NONE	NONE	NONE	NONE
25" TO 36"	1-#5 EACH FACE	1-#5 EACH FACE	1-#5 EACH FACE	1-#6 EACH FACE
37" TO 52"	2-#5 EACH FACE	2-#5 EACH FACE	2-#5 EACH FACE	2-#6 EACH FACE
55" TO 72"	3-#5 EACH FACE	3-#5 EACH FACE	3-#5 EACH FACE	3-#6 EACH FACE

BAR PLACEMENT NOTES

1. BEAMS SHOWN IN PLAN ARE READ FROM LEFT TO RIGHT.

2. THE MINIMUM CLEAR DISTANCE BETWEEN PARALLEL BARS IN A LAYER SHALL BE EQUAL TO THE NOMINAL DIAMETER OF THE BARS. IN NO CASE SHALL THE CLEAR DISTANCE BETWEEN BARS BE LESS THAN ONE INCH, NOR LESS THAN ONE AND ONE-HALF TIMES THE MAXIMUM SIZE OF THE COARSE AGGREGATE.

3. WHEN REINFORCEMENT IS PLACED IN TWO OR MORE LAYERS, THE CLEAR DISTANCE BETWEEN LAYERS SHALL NOT BE LESS THAN ONE INCH NOR LESS THAN THE DIAMETER OF THE BARS, AND THE BARS IN THE UPPER LAYERS SHALL BE PLACED DIRECTLY ABOVE THOSE IN THE BOTTOM LAYER.

4. "B" BARS ARE BOTTOM BARS. "B" BARS OF INTERIOR BEAMS SHALL EXTEND OVER SUPPORTS 6" MIN. UNLESS OTHERWISE NOTED OR THEY MAY BE CONTINUOUS. "B" BARS OF PERIMETER BEAMS SHALL BE SPLICED (IF REQUIRED) AT OR NEAR THE SUPPORT WITH CLASS "B" TENSION SPLICE, AND 25% OF "B" BARS SHALL PASS CONTINUOUS OVER SUPPORT AREA BUT NOT LESS THAN TWO BARS, THESE BARS SHALL BE ANCHORED AT END SUPPORT TO DEVELOP fy USING A STANDARD HOOK OR HEADED DEFORMED BAR, SEE SCHEDULE FOR HOOKED BARS LENGTH.

5. "A" BARS ARE BOTTOM BARS. "A" BARS DO NOT EXTEND OVER SUPPORTS. "A" BARS SHALL BE PLACED IN THE SAME LAYER AS "B" BARS (U.O.N.).

6. "T" BARS ARE CONTINUOUS TOP BARS. "T" BARS SHALL BE LAP SPLICED WHEN REQUIRED AT MID-SPAN WITH A CLASS "B" TENSION SPLICE. FOR PERIMETER BEAMS AT LEAST 17% OF "T" BARS SHALL PASS CONTINUOUS OVER SUPPORT AREA BUT NOT LESS THAN TWO BARS, THESE BARS SHALL BE ANCHORED AT END SUPPORT TO
- DEVELOP fy USING A STANDARD HOOK OR HEADED DEFORMED BAR, SEE SCHEDULE FOR HOOKED BARS LENGTH.

7. "C" BARS ARE TOP BARS AT THE DISCONTINUOUS END OF END SPANS. "C" BARS SHALL BE PLACED IN THE SAME LAYER AS "T" BARS UNLESS OTHERWISE NOTED.

8. "E" BARS ARE TOP BARS OVER INTERIOR SUPPORTS. "E" BARS SHALL BE PLACED IN THE SAME LAYER AS "T" BARS UNLESS OTHERWISE NOTED.

9. "T" BARS SHALL BE EQUALLY SPACED BETWEEN "B" AND "T" BARS, HALF ON EACH VERTICAL FACE. "T" BARS MAY BE CONTINUOUS. SEE BEAM INTERMEDIATE REINFORCEMENT TABLE UNLESS SCHEDULE NOTE.

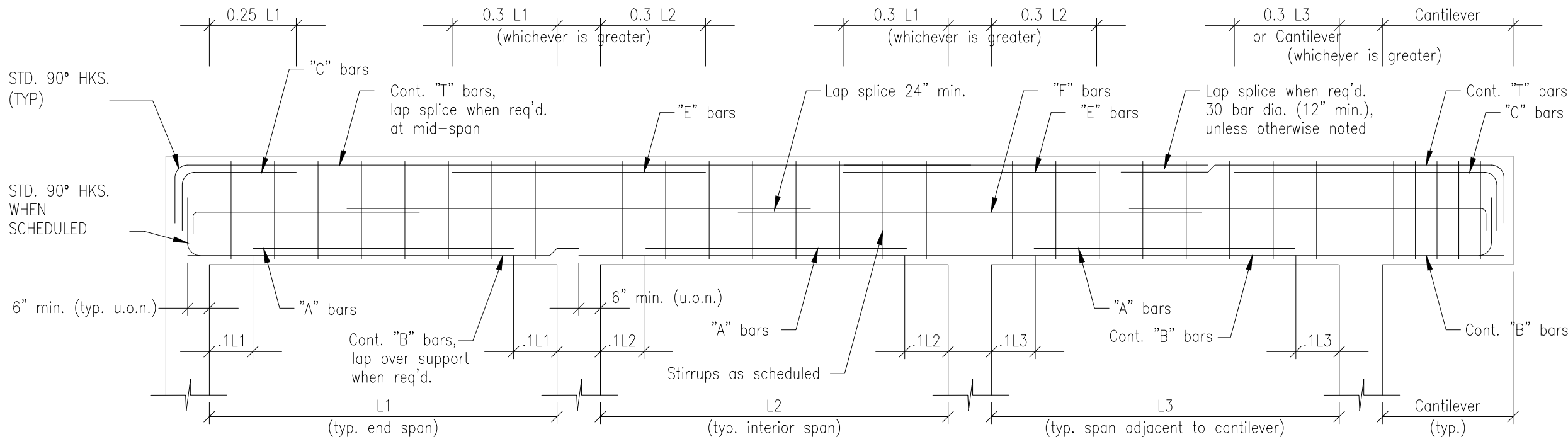
10. STIRRUPS SPACING IS FROM FACE OF SUPPORT. STIRRUPS SHALL HAVE "B" OR "T" BARS TIED IN EACH CORNER.

11. ALL REINFORCING BARS TO HAVE A MINIMUM OF 1 1/2" CLEAR COVER (U.O.N.) 12. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE PROVIDED IN ACCORDANCE WITH ACI 318-11, SECTION 7.7.1.

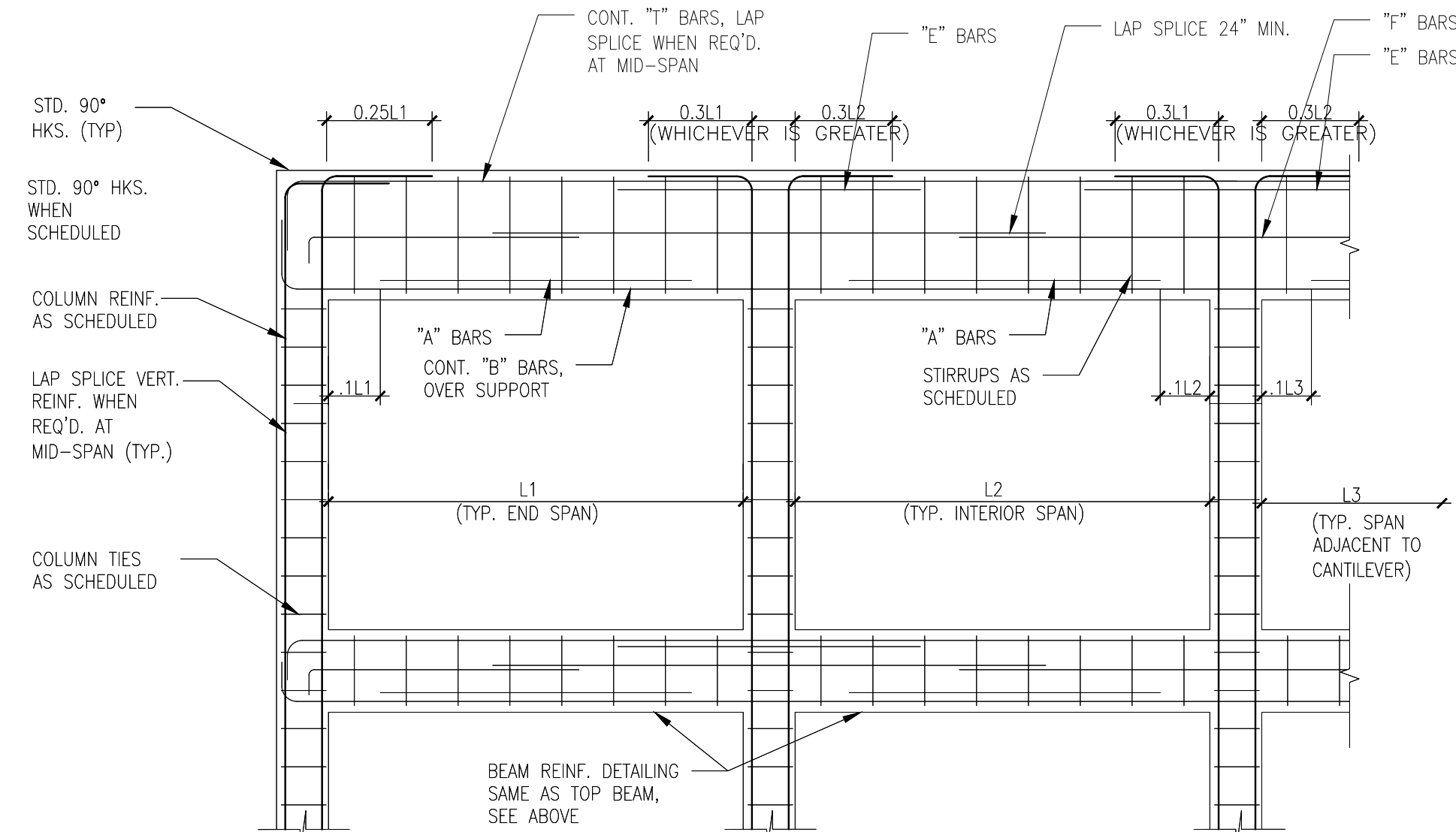
12. STIRRUPS IN TIE BEAMS SHALL BE #3 TIES, 4 AT 12"c/c EACH END, BAL. AT 48"c/c U.O.N.

13. PROVIDE 2-#5 CORNER BARS (EXTEND 30" IN EACH DIRECTION FROM CORNER).

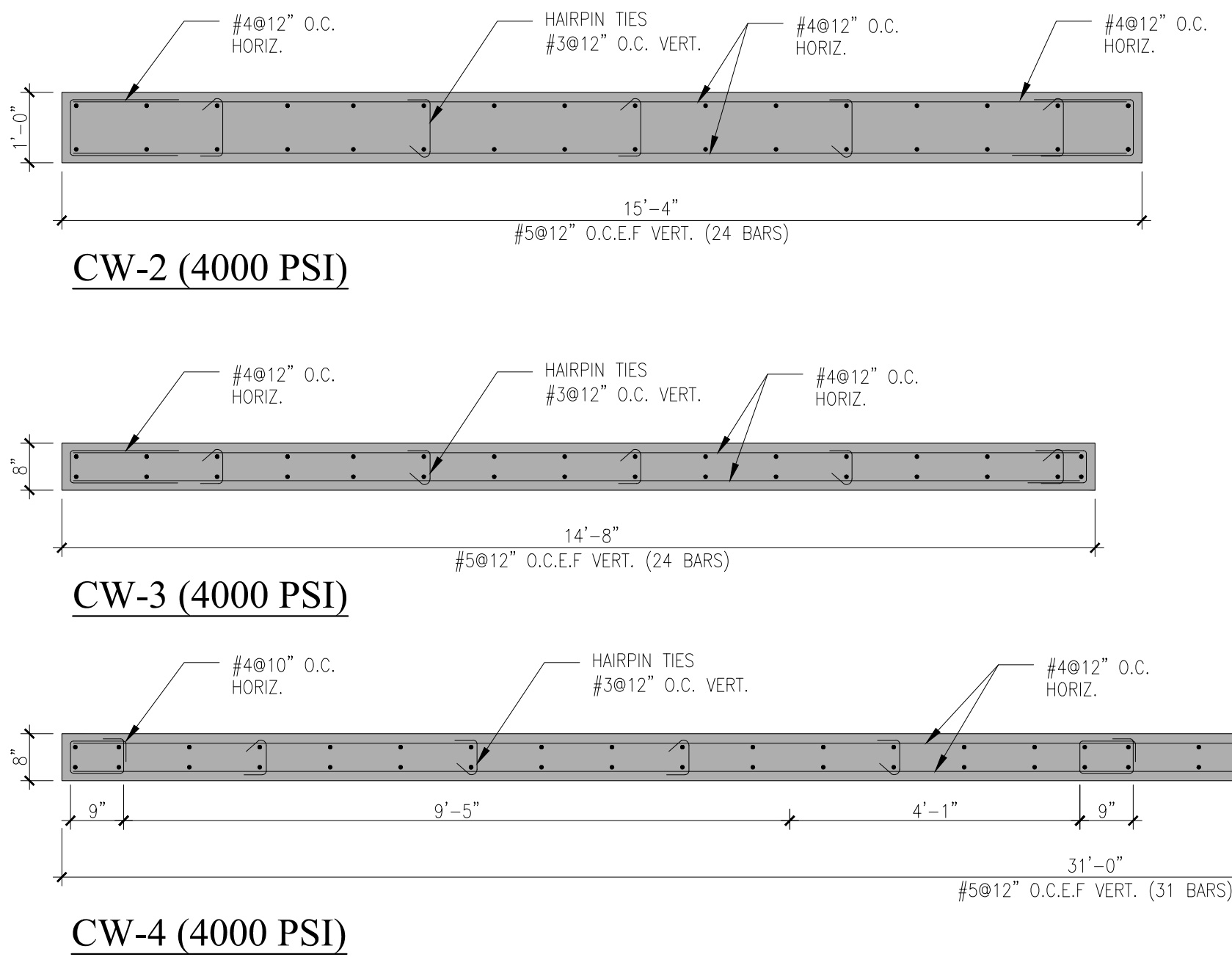
14. WHERE CONC. LINTELS NOT USED DROP TIE-BEAM ABOVE OPENING, ADD 2#5 BOTT AND #3 STIRRUPS Ø 8".



TYPICAL BEAM DIAGRAM



TYPICAL BEAM DIAGRAM AT MOMENT FRAMES



Felix D. Guerra
a

Digitally signed by Felix D Guerra
DN: c=US, o=D and SG Engineering Group INC, dnQualifier=+014100000018C865438170016F805, cn=Felix D Guerra
Date: 2025.12.09 18:36:36 -05'00'
Adobe Acrobat version: 2025.001.20937

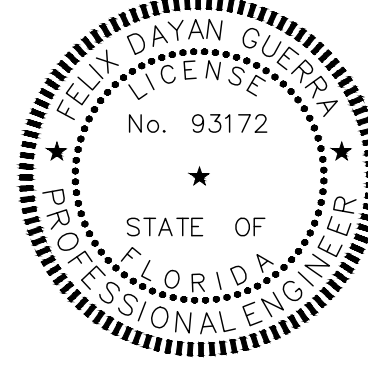


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PINECREST, FL 33156

SHEET TITLE:
SCHEDULES

CONSULTANT:



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RICARDO PEREZ
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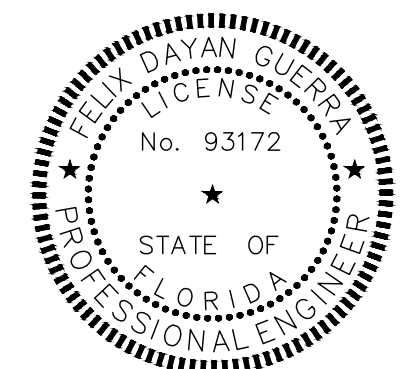
JOB:
25-0032

SHEET:

S-2.1

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S-3.0

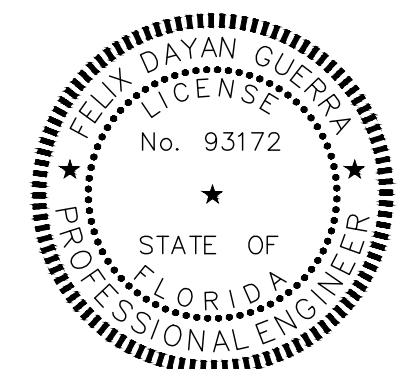
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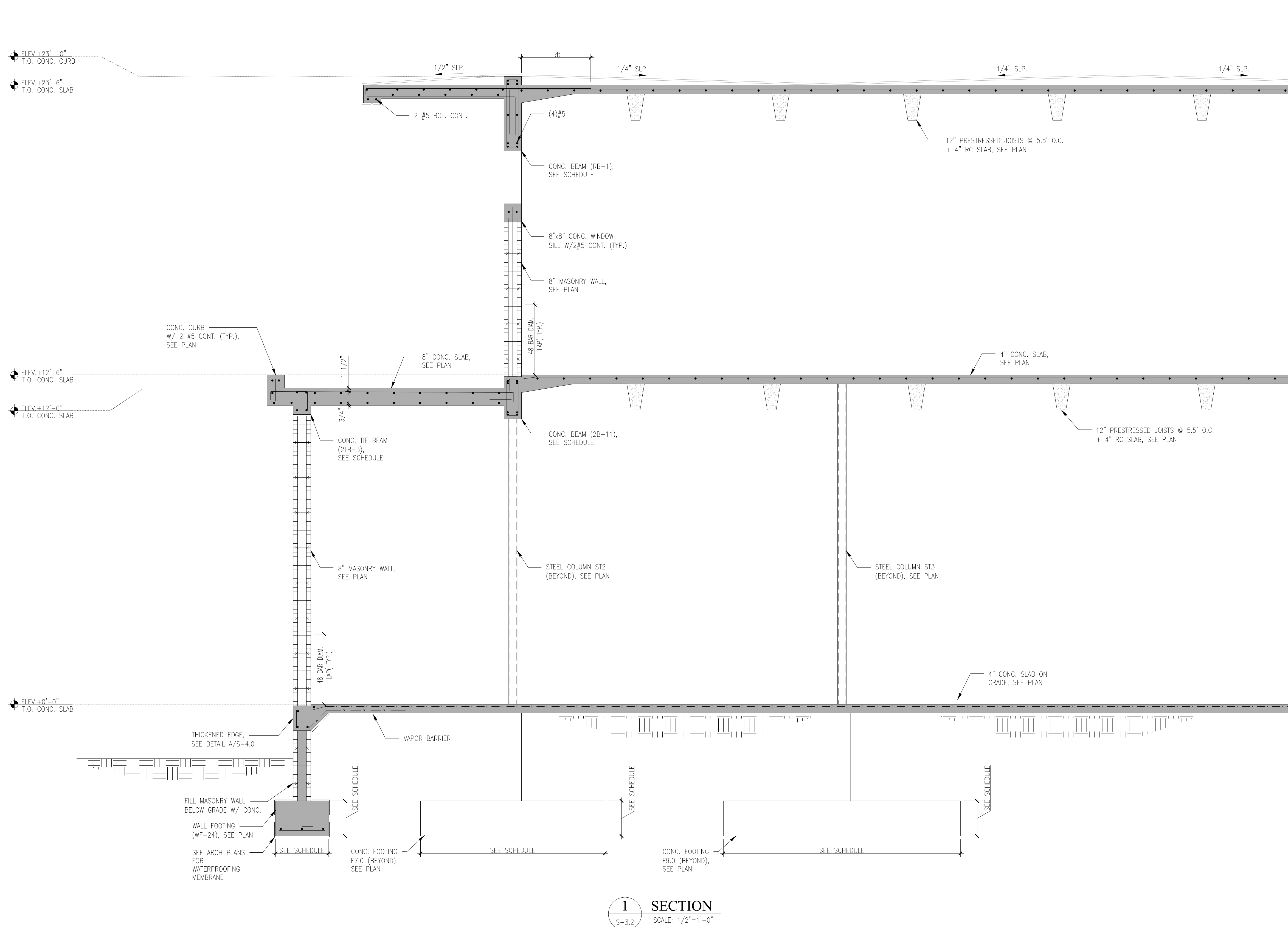
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SHEET:

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PLOT DATE:



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Guerra**

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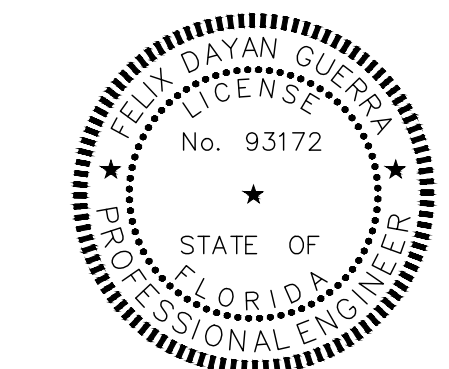


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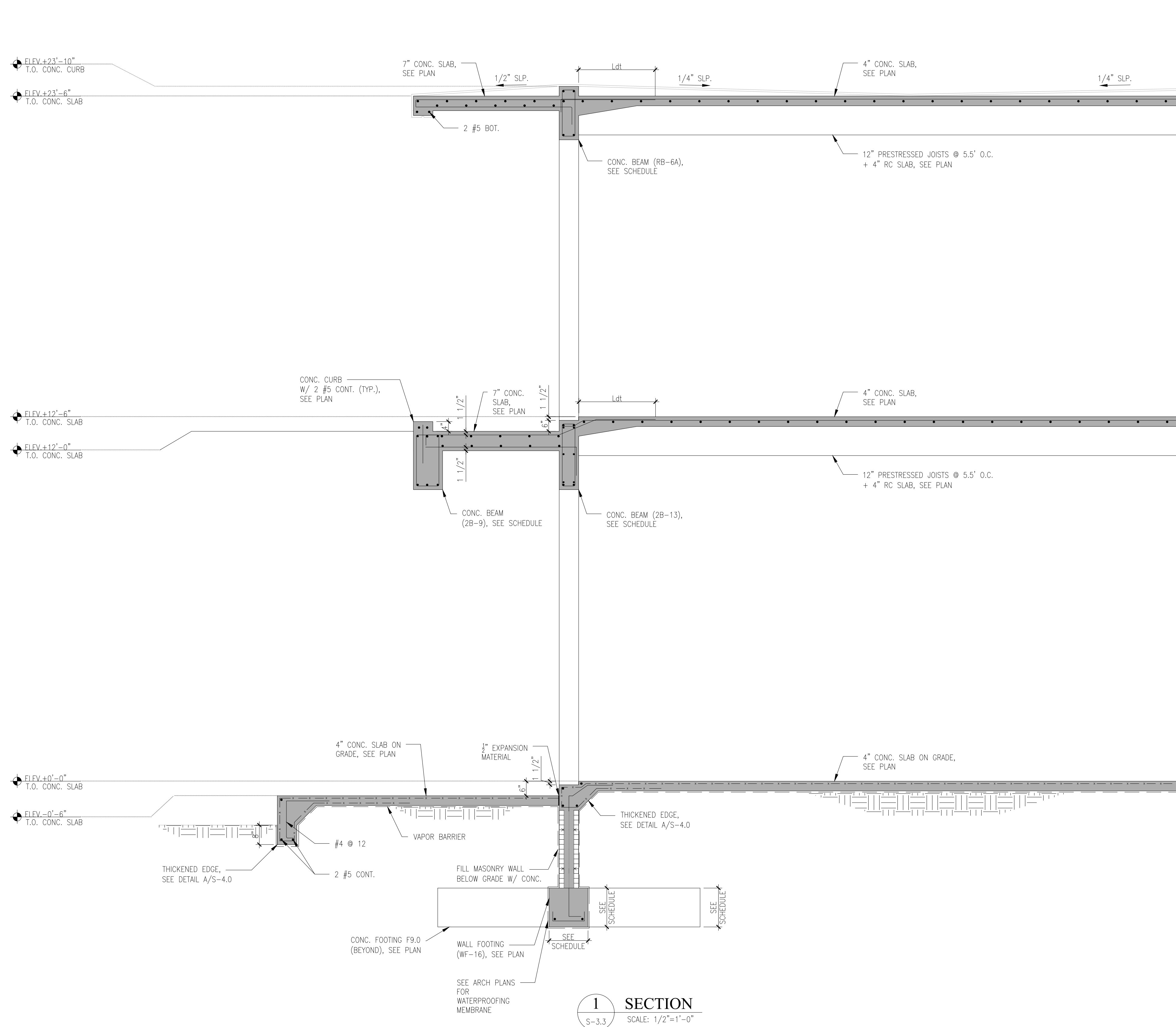
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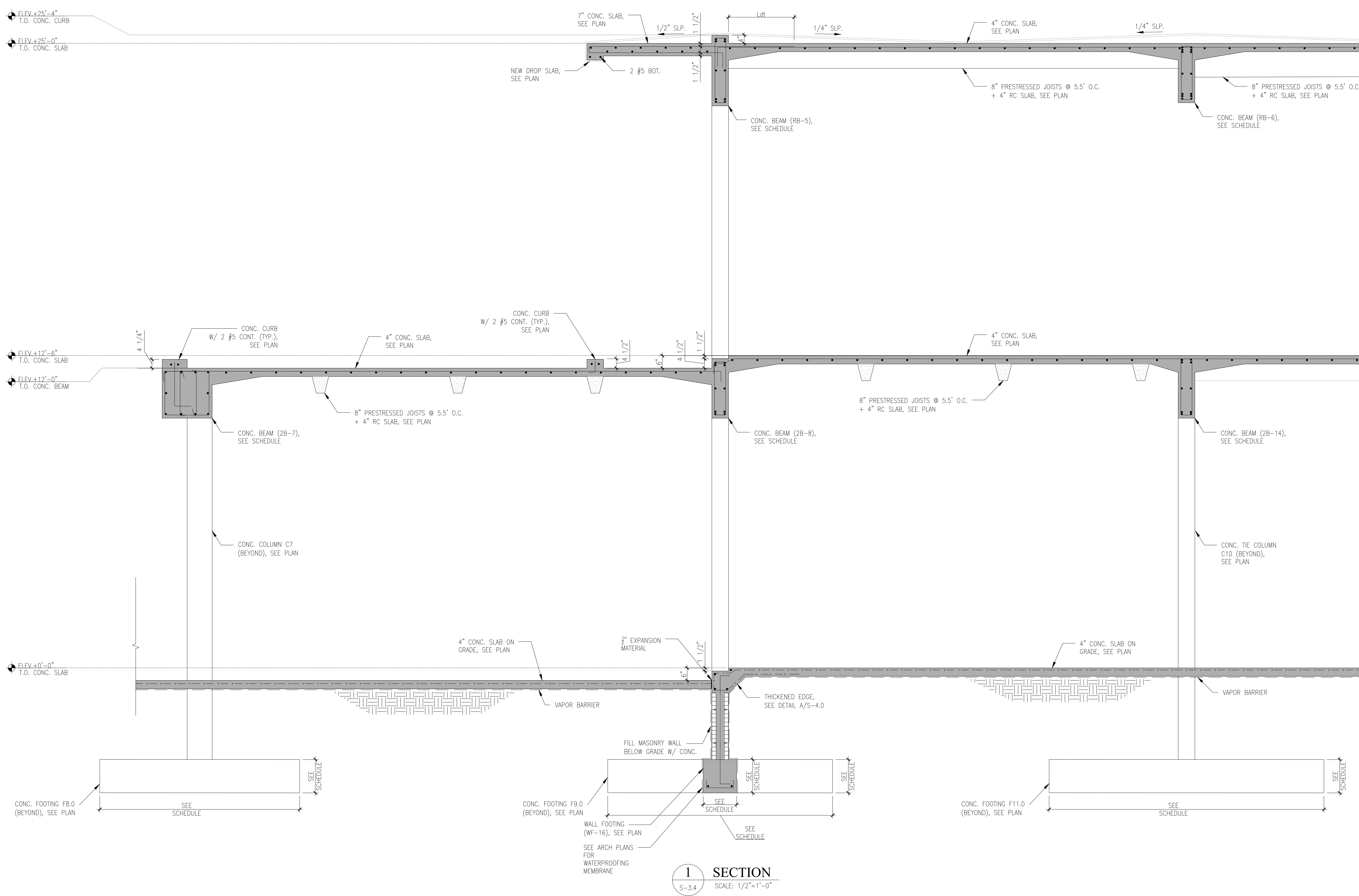


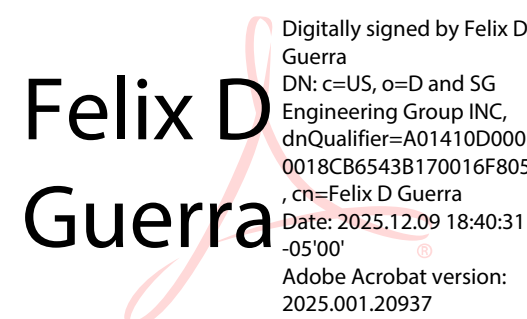
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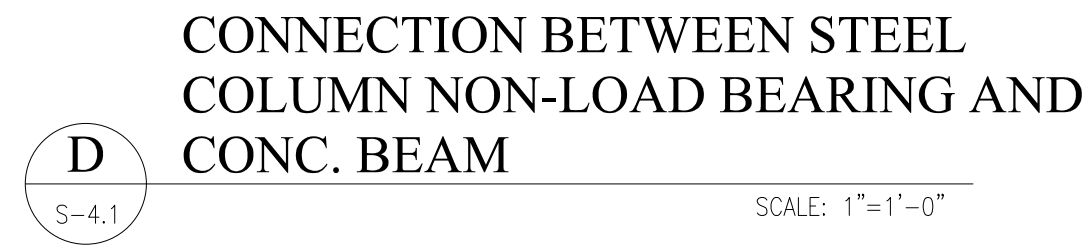
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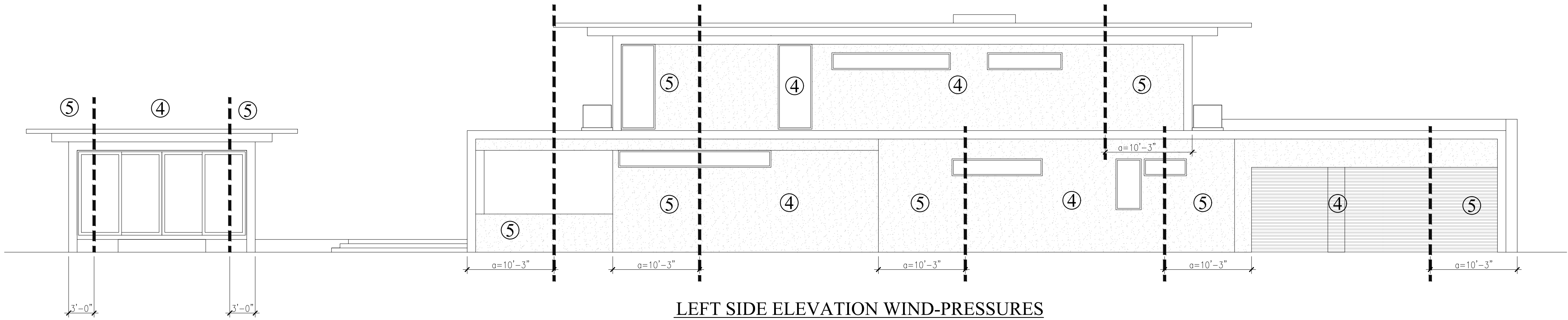


1 SECTION
S-3.5 SCALE: 1/2"=1'-0"

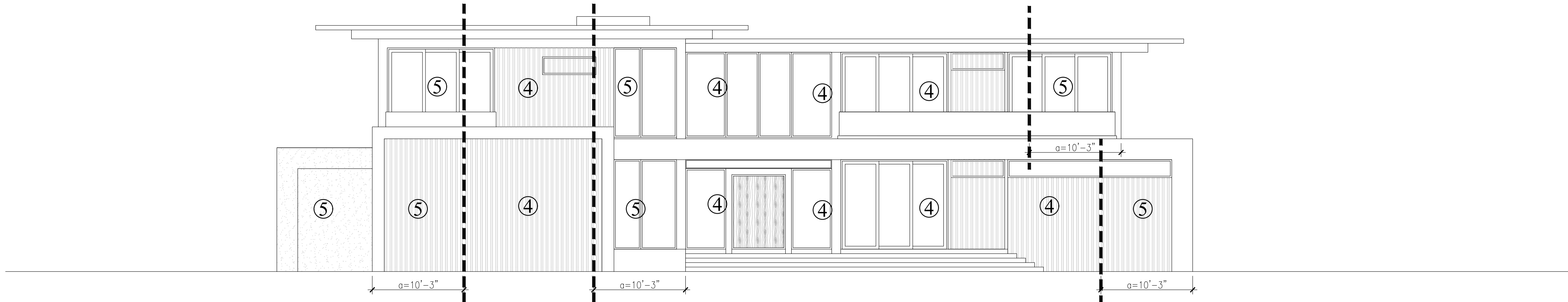




REAR ELEVATION WIND-PRESSURES
SCALE: 1/8"=1'-0"



LEFT SIDE ELEVATION WIND-PRESSURES
SCALE: 1/8"=1'-0"



FRONT ELEVATION WIND-PRESSURES
SCALE: 1/8"=1'-0"



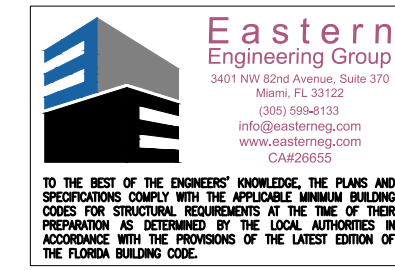
RIGHT SIDE ELEVATION WIND-PRESSURES
SCALE: 1/8"=1'-0"

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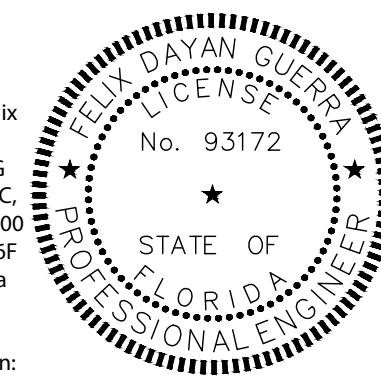
SHEET TITLE:
WIND PRESSURES

CONSULTANT:



Felix D
Guerra

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D Guerra
DN: cn=US, o=D and SG
Engineering Group INC,
dnQualifier=A01410D00,
00018CB6543B170016f
805, cn=Felix D Guerra
Date: 2025.12.09
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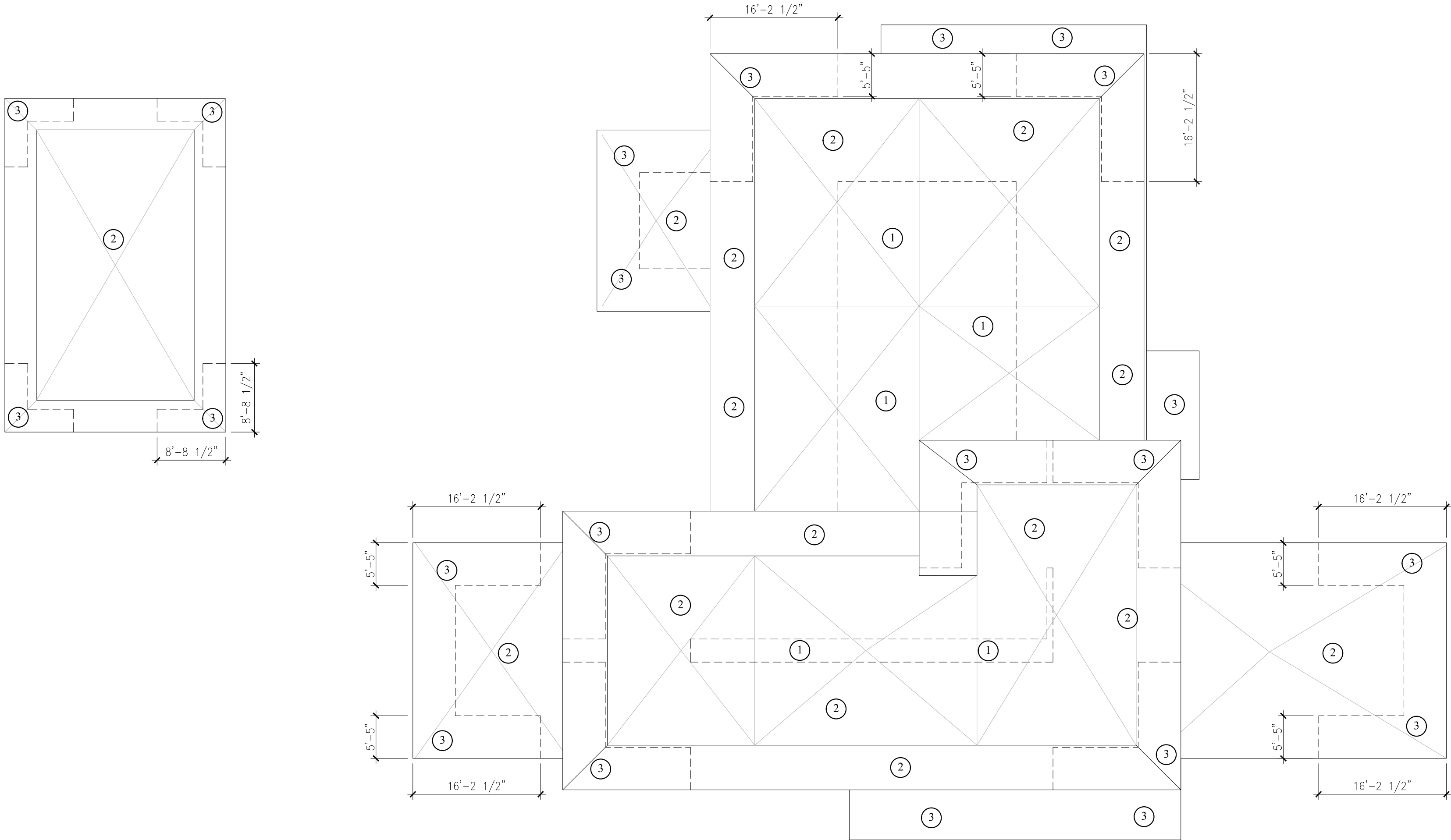
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S-5.0

ORIGINAL ISSUE DATE: 11-15-2024
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ROOF WIND-PRESSURE DIAGRAM

SCALE: 3/32"=1'-0"

25 0032 12700 ROLLING RD
BUILDING MEAN ROOF HEIGHT: 25 FEET
BUILDING EXPOSURE COEFF. @ ROOF: Kh= 1.032
VELOCITY PRESSURE @ ROOF HEIGHT: qh= 74.11 PSF
ROOF GUST FACTOR COEFF: Gcf= 0.85
INTERNAL PRESSURE COEFF: GCpi=+ 0.18

FOR COMPONENTS AND CLADDING:
WIND PRESSURE COEFF. ZONE:
a = 0.1 X WIDTH = 10.6 OR
a = 0.4 X HEIGHT = 10 NOT LESS THAN
a = 3.0
USE a = 10 FEET

MAXIMUM VERTICAL (ASD)
WIND LOAD (ROOF)

ZONE 1	
AREA	PRESSURE
10SF	-71.06 PSF
20SF	-66.37 PSF
50SF	-60.17 PSF

ZONE 2	
AREA	PRESSURE
10SF	-93.73 PSF
20SF	-87.71 PSF
50SF	-79.74 PSF

ZONE 4	
AREA	PRESSURE
10SF	-44.22 PSF
20SF	-40.82 PSF
50SF	-39.01 PSF

ZONE 5	
AREA	PRESSURE
10SF	-54.43 PSF
20SF	-50.81 PSF
50SF	-46.03 PSF

MAXIMUM VERTICAL (ASD)
WIND LOAD (OVERHANGS)

ZONE 2(OH)	
AREA	PRESSURE
10SF	-93.73 PSF
20SF	-85.70 PSF
50SF	-75.07 PSF

ZONE 3(OH)	
AREA	PRESSURE
10SF	-127.75 PSF
20SF	-113.69 PSF
50SF	-95.10 PSF

ZONE 1'	
AREA	PRESSURE
10SF	-40.82 PSF
20SF	-40.82 PSF
50SF	-40.82 PSF

ZONE 3	
AREA	PRESSURE
10SF	-127.75 PSF
20SF	-115.69 PSF
50SF	-99.76 PSF

ZONE 4	
AREA	PRESSURE
10SF	-44.22 PSF
20SF	-40.82 PSF
50SF	-39.01 PSF

ZONE 5	
AREA	PRESSURE
10SF	-54.43 PSF
20SF	-50.81 PSF
50SF	-46.03 PSF

25 0032 12700 ROLLING RD (YM)
BUILDING MEAN ROOF HEIGHT: 14.5 FEET
BUILDING EXPOSURE COEFF. @ ROOF: Kh= 1.032
VELOCITY PRESSURE @ ROOF HEIGHT: qh= 74.11 PSF
ROOF GUST FACTOR COEFF: Gcf= 0.85
INTERNAL PRESSURE COEFF: GCpi=+ 0.18

FOR COMPONENTS AND CLADDING:
WIND PRESSURE COEFF. ZONE:
a = 0.1 X WIDTH = 2.20 OR
a = 0.4 X HEIGHT = 5.80 NOT LESS THAN
a = 3.0
USE a = 3.0 FEET

MAXIMUM VERTICAL (ASD)
WIND LOAD (ROOF)

ZONE 1	
AREA	PRESSURE
10SF	-63.81 PSF
20SF	-59.60 PSF
50SF	-54.04 PSF

ZONE 2	
AREA	PRESSURE
10SF	-84.18 PSF
20SF	-78.76 PSF
50SF	-71.61 PSF

ZONE 4	
AREA	PRESSURE
10SF	-44.22 PSF
20SF	-40.82 PSF
50SF	-39.01 PSF

ZONE 5	
AREA	PRESSURE
10SF	-54.43 PSF
20SF	-50.81 PSF
50SF	-46.03 PSF

MAXIMUM VERTICAL (ASD)
WIND LOAD (OVERHANGS)

ZONE 2(OH)	
AREA	PRESSURE
10SF	-93.73 PSF
20SF	-85.70 PSF
50SF	-75.07 PSF

ZONE 3(OH)	
AREA	PRESSURE
10SF	-127.75 PSF
20SF	-113.69 PSF
50SF	-95.10 PSF

ZONE 1'	
AREA	PRESSURE
10SF	-36.66 PSF
20SF	-36.66 PSF
50SF	-36.66 PSF

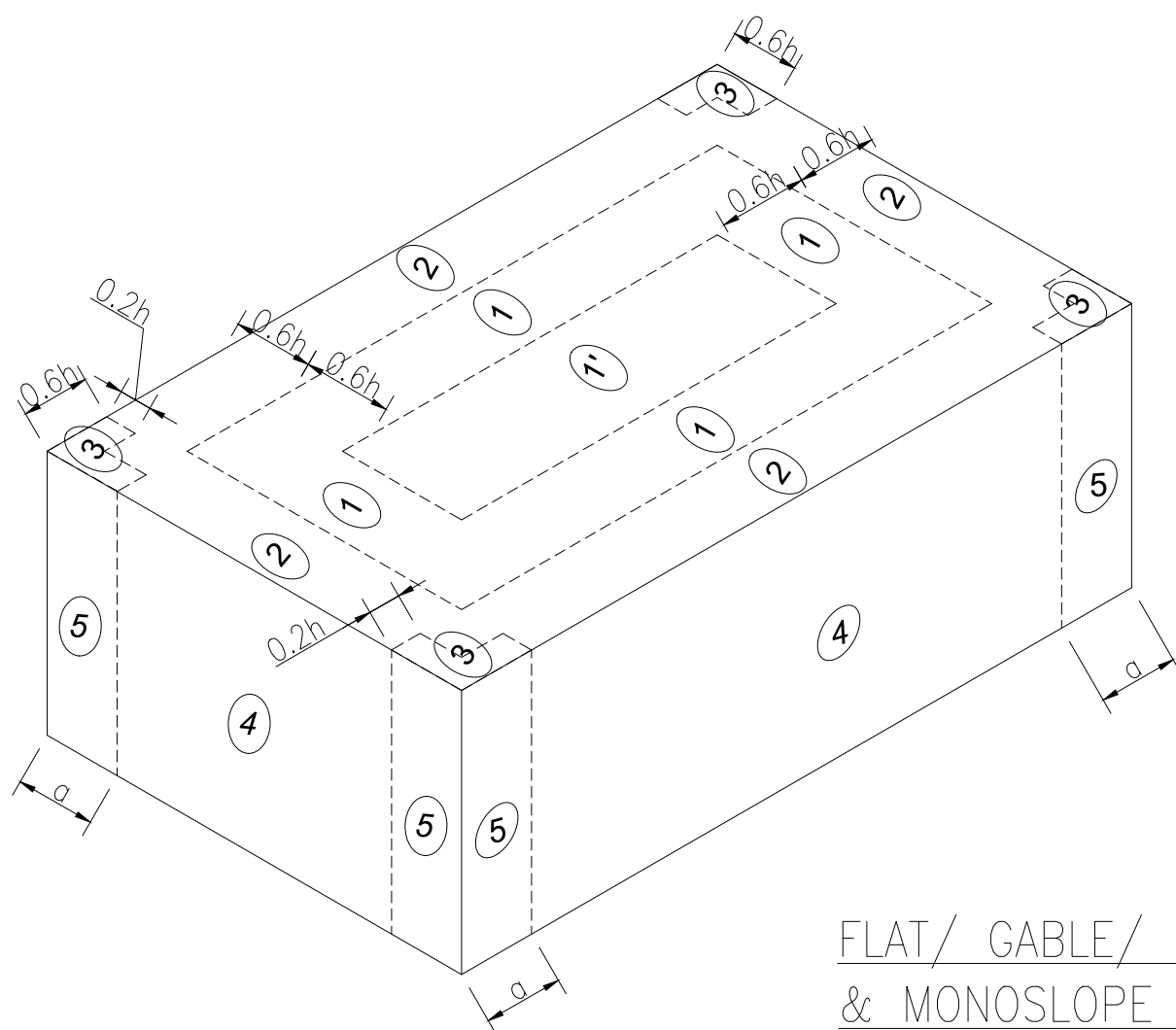
ZONE 3	
AREA	PRESSURE
10SF	-84.18 PSF
20SF	-78.76 PSF
50SF	-71.61 PSF

ZONE 4	
AREA	PRESSURE
10SF	-44.22 PSF
20SF	-40.82 PSF
50SF	-39.01 PSF

ZONE 5	
AREA	PRESSURE
10SF	-54.43 PSF
20SF	-50.81 PSF
50SF	-46.03 PSF

ZONE 2(OH)	
AREA	PRESSURE
10SF	-93.73 PSF
20SF	-85.70 PSF
50SF	-75.07 PSF

ZONE 3(OH)	
AREA	PRESSURE
10SF	-127.75 PSF
20SF	-113.69 PSF
50SF	-95.10 PSF



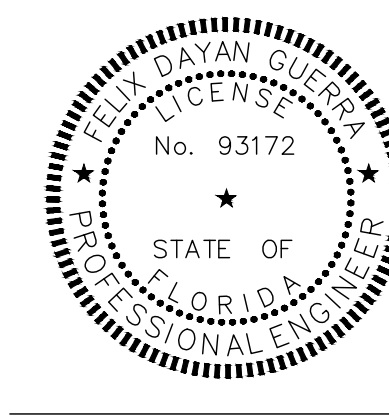
FLAT/ GABLE/ HIP ROOFS W/ $\theta < 7^\circ$
& MONOSLOPE W/ $\theta < 3^\circ$

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