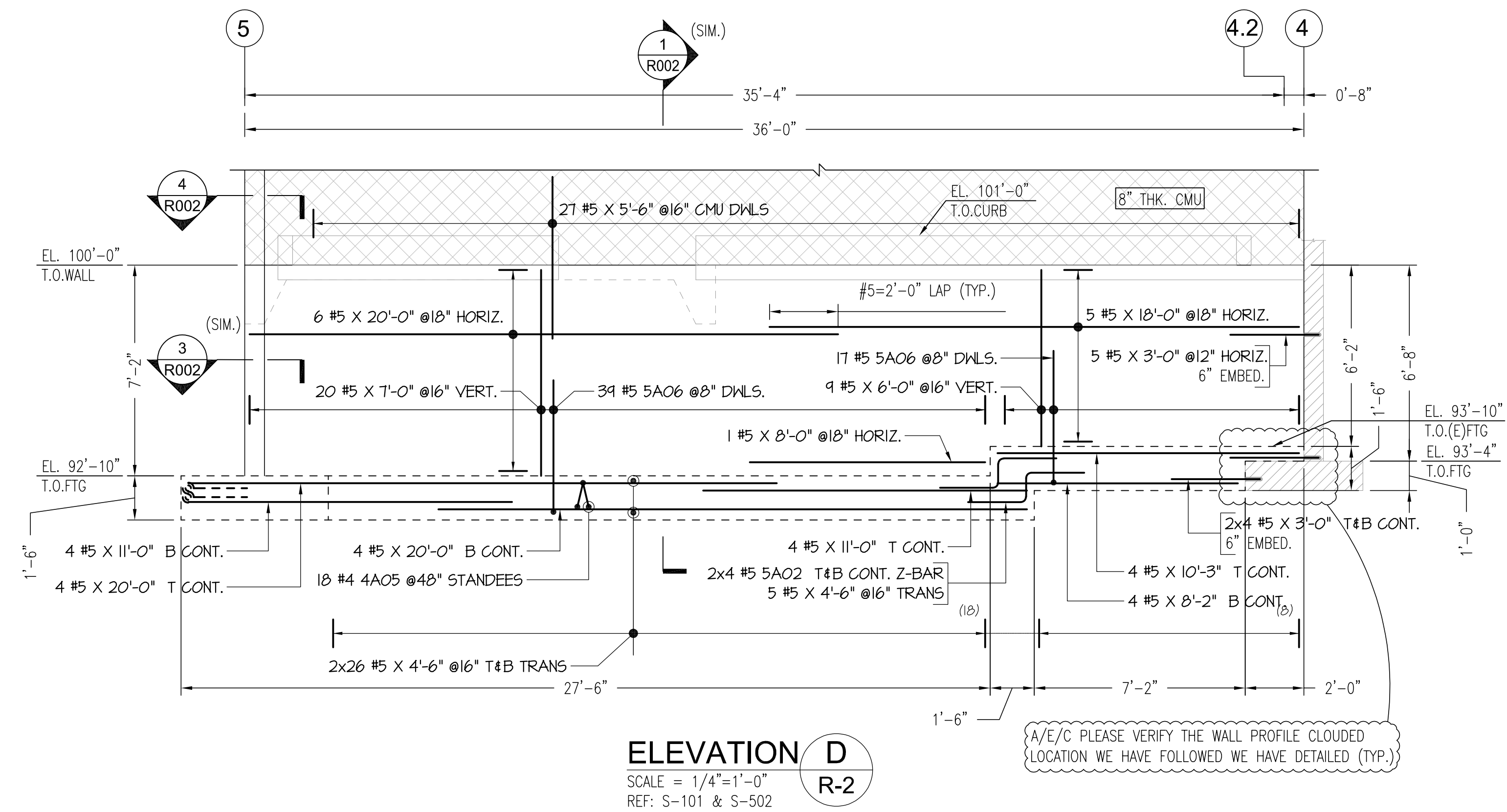
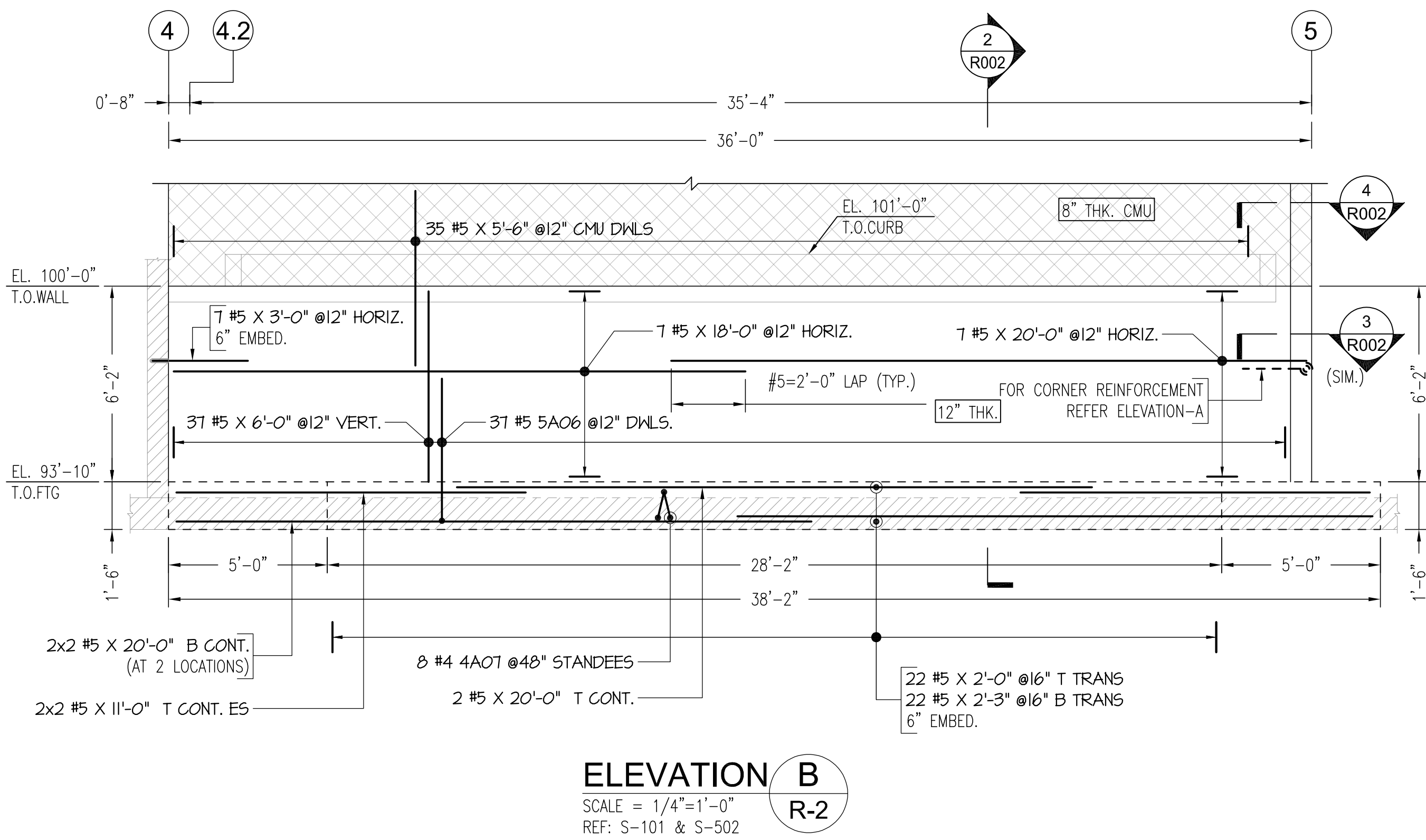
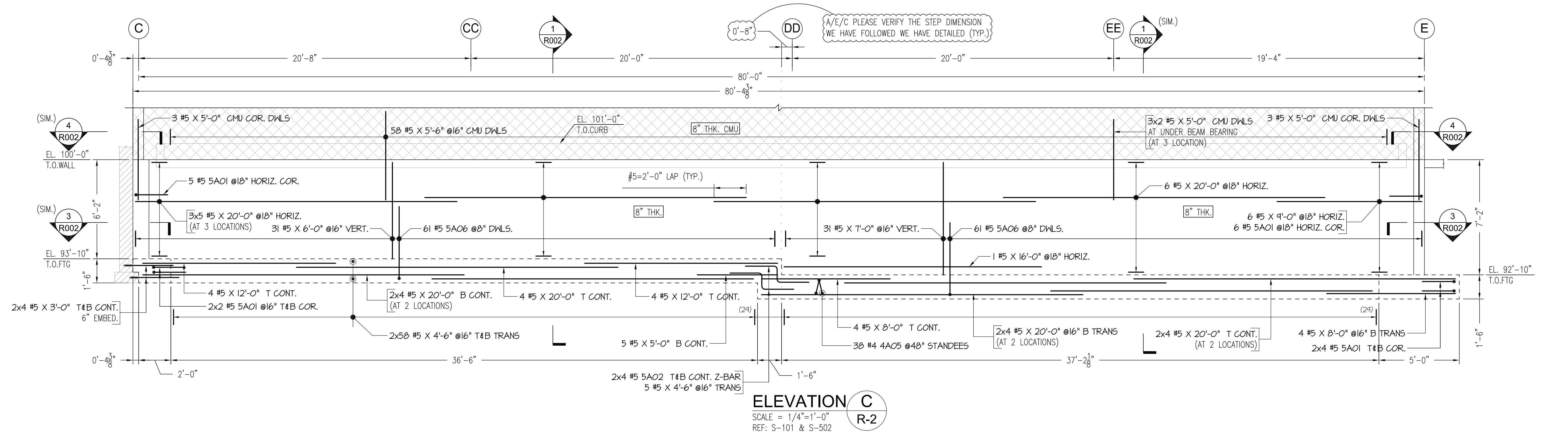
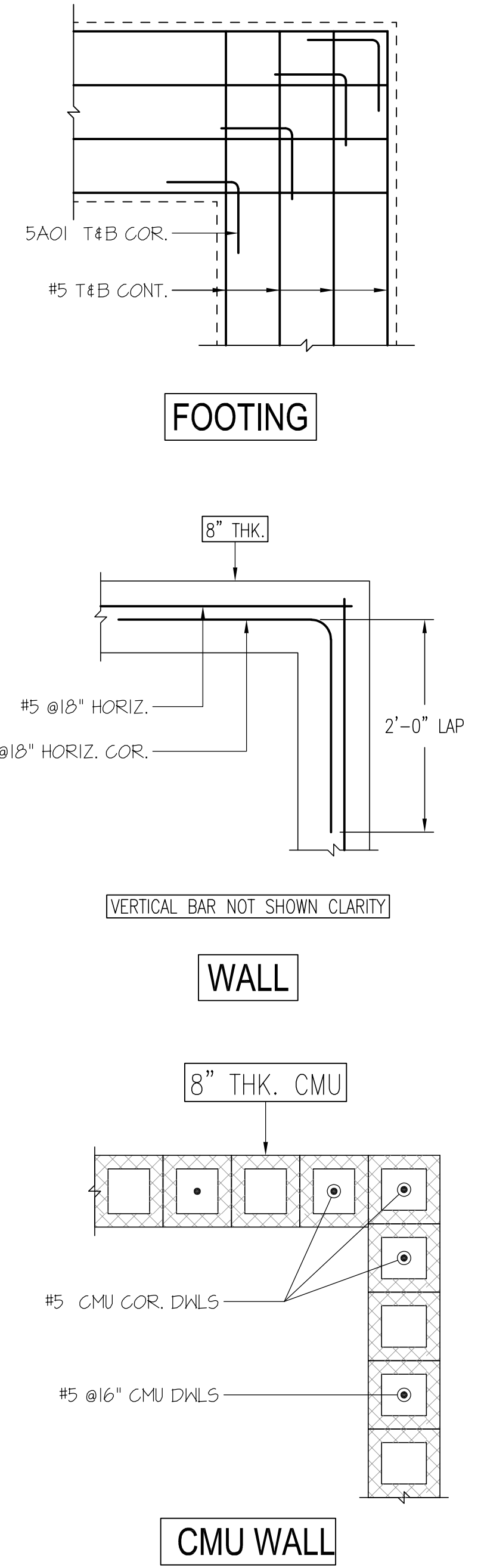
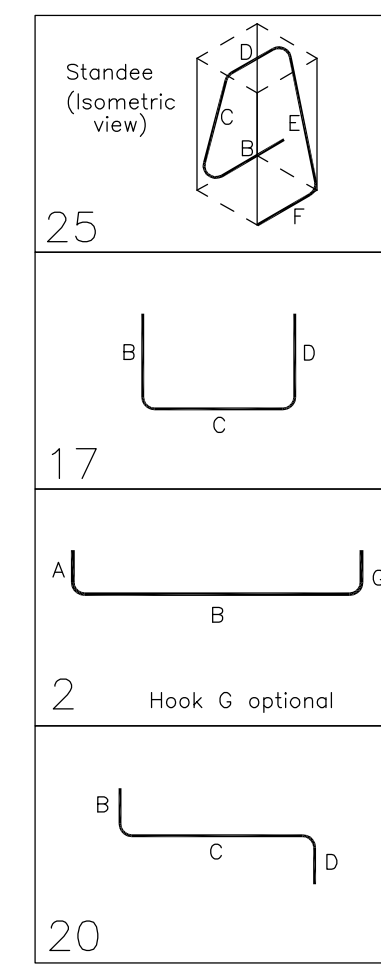
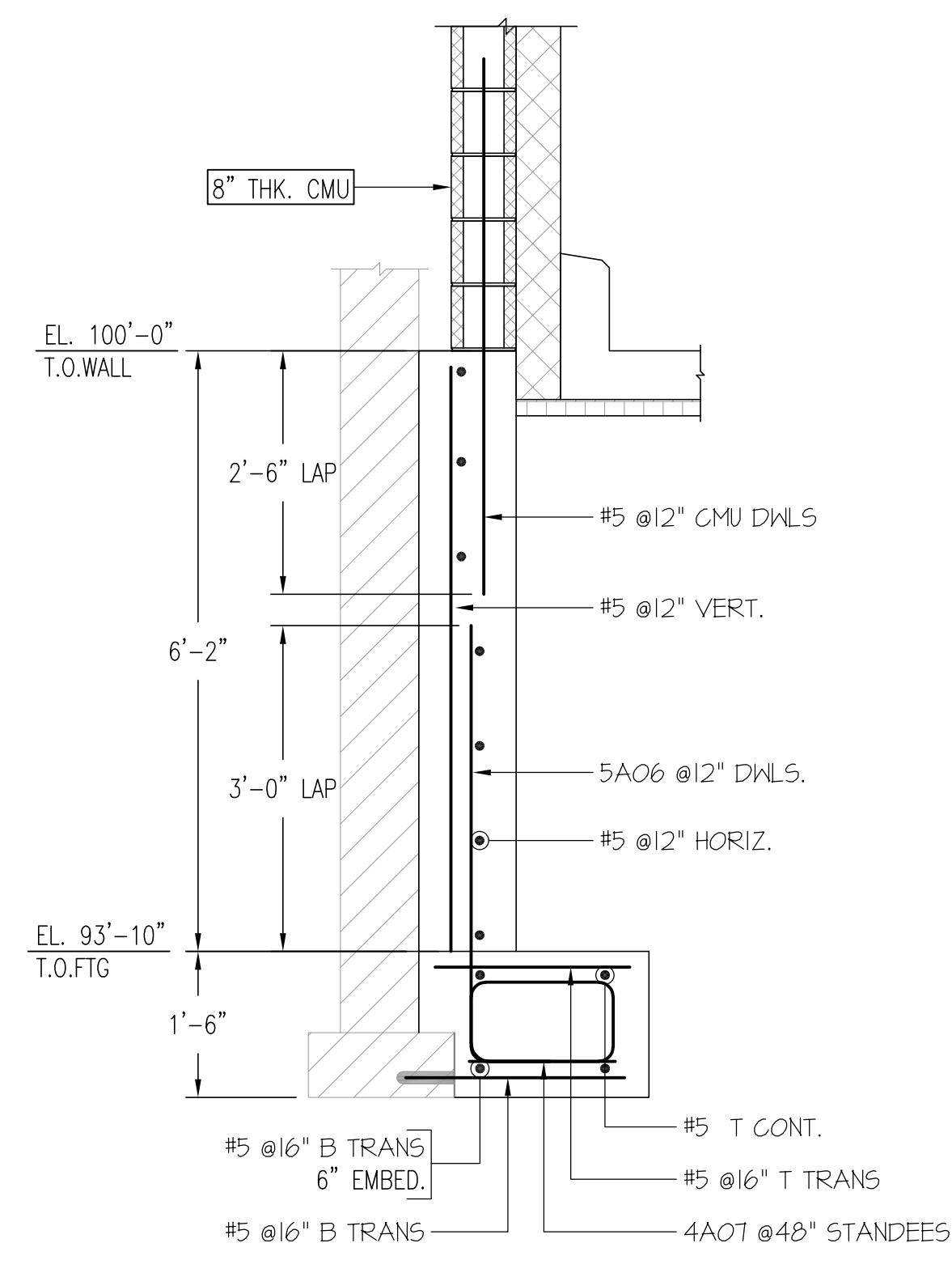
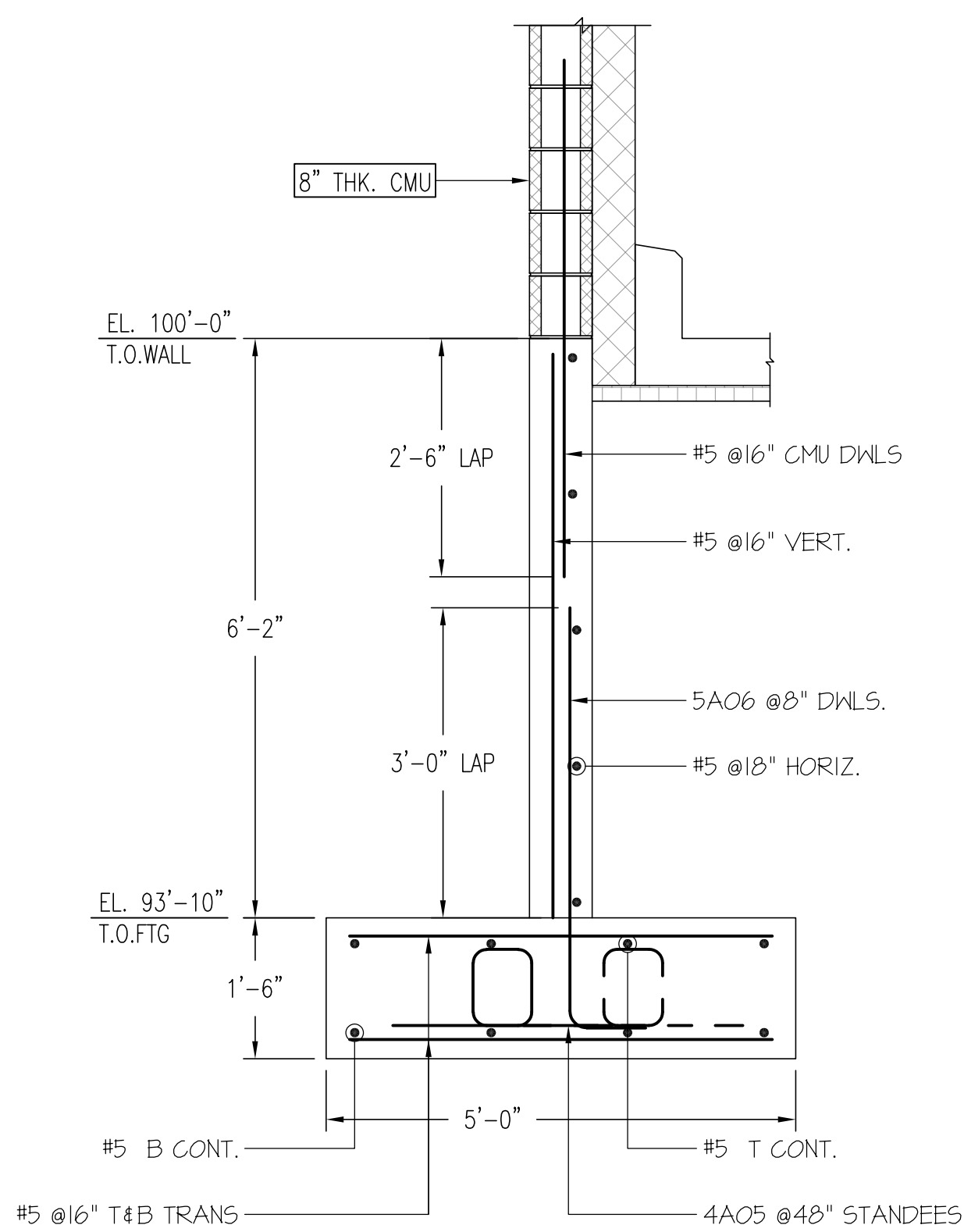




A/E/C PLEASE VERIFY THE CMU CORNER REBAR ARRANGEMENT DETAILS, IF DIFFERENT THAN SHOWN.



TYPICAL FOOTING, WALL AND CMU WALL CORNER ARRANGEMENT DETAILS
SCALE = 3/4"=1'-0"
REF: 1/S-502



Drawing Sheet : R002				BENDING DETAILS															
Bar Mark	Qty	Size	Total Length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'			
4A07	8	#4	6'-3"	25		1'-6"	0'-10 1/2"	1'-6"	0'-10 1/2"	1'-6"		0'-10 1/2"		0'-5"					
4A05	56	#4	5'-5"	25		1'-6"	0'-10 1/2"	0'-8"	0'-10 1/2"	1'-6"		0'-10 1/2"		0'-5"					
5A01	23	#5	4'-0"	17		2'-0"	2'-0"												
5A06	215	#5	5'-4"	2	0'-10"	4'-6"													
5A02	16	#5	5'-0 1/2"	20		2'-0"	1'-0 1/2"	2'-0"											

A/E/C PLEASE VERIFY THE LAP VALUES, IF DIFFERENT THAN SHOWN.

ALL REINFORCEMENTS IN THIS DRAWING ASTM ARE A615 GRADE 60 U.N.O.(BLACK UNCOATED)

8" CMU WALL 1 BAR PER CELL	
Size	Top bars
#3	1'-6"
#4	2'-0"
#5	2'-6"
#6	3'-7"
#7	5'-0"
#8	7'-8"
#9	9'-10"

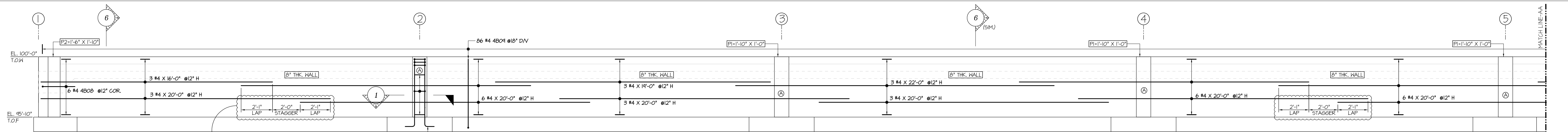
LAP SCHEDULE FOR 4000 PSI FOUNDATION (CLASS B) S ₂₅ d		
Size	Top bars	Other bars
#3	1'-2"	1'-0"
#4	1'-7"	1'-3"
#5	2'-0"	1'-6"
#6	2'-5"	1'-10"
#7	3'-6"	2'-8"
#8	4'-0"	3'-1"
#9	4'-6"	3'-6"
#10	5'-1"	3'-11"
#11	5'-8"	4'-4"

LEGENDS	
T/TOP	- TOP LAYER
B/BOT	- BOTTOM LAYER
SW	- SHORT WAY
LW	- LONG WAY
DWLS	- DOWELS
D/V	- DOWEL/VERTICAL
V/VERT	- VERTICAL
H/HORIZ	- HORIZONTAL
ES	- EACH SIDE
EE	- EACH END
EF	- EACH FACE
COR.	- CORNER
T.O.S	- TOP OF SLAB
T.O.FTG	- TOP OF FOOTING
TRANS.	- TRANSVERSE
CONT	- CONTINUOUS
ADD'L	- ADDITIONAL
EL	- ELEVATION
TYP	- TYPICAL

MINIMUM CONCRETE COVER DETAILS			
SI. NO :	CONC. ELEMENT	DESCRIPTION	COVER (INCHES)
1	FOR FOOTING	AT TOP	2"
		AT SIDES	3"
2	FOR PIER	AT TOP & BOTTOM	2"
		AT SIDES	2"
3	FOR SOG	AT SIDES	1 1/2" @ TOP

SPECIAL NOTES :
1. TILT HOOK TO ACCOMMODATE THE COVER, IF NEED
2. BARS TO BE PLACED AT EQUAL SPACING U.O.N.
3. CUT TO FIT AT SITE AS REQUIRED

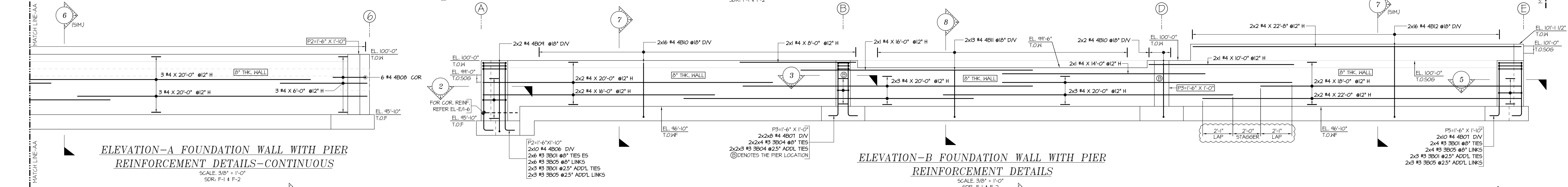
SHOP DRAWING INDEX	
DESCRIPTION	DWG.NO:
1.) LAYOUT OF FOUNDATION REINFORCEMENTS DETAILS	R001
2.) LAYOUT OF FOUNDATION WALL REINFORCEMENTS DETAILS	R002
3.) LAYOUT OF SLAB ON GRADE REINFORCEMENTS DETAILS	R003



ELEVATION-A FOUNDATION WALL WITH PIER
REINFORCEMENT DETAILS

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

SDR: F-1 & F-2



ELEVATION-A FOUNDATION WALL WITH PIER
REINFORCEMENT DETAILS-CONTINUOUS

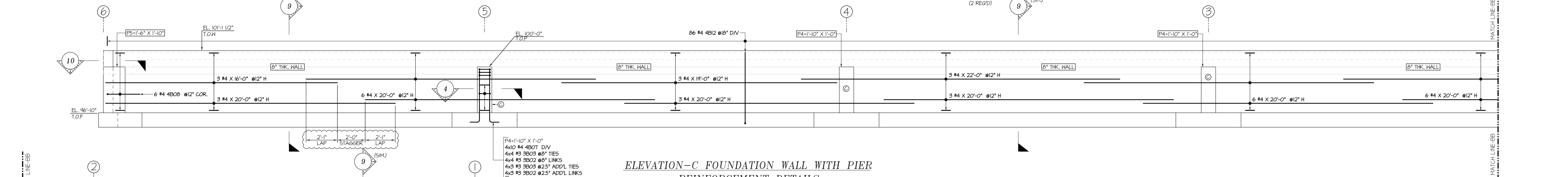
SCALE: 3/8" = 1'-0"

SDR: F-1 & F-2

ELEVATION-B FOUNDATION WALL WITH PIER
REINFORCEMENT DETAILS

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

SDR: F-1 & F-2 (2 REQ'D)



ELEVATION-C FOUNDATION WALL WITH PIER
REINFORCEMENT DETAILS

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

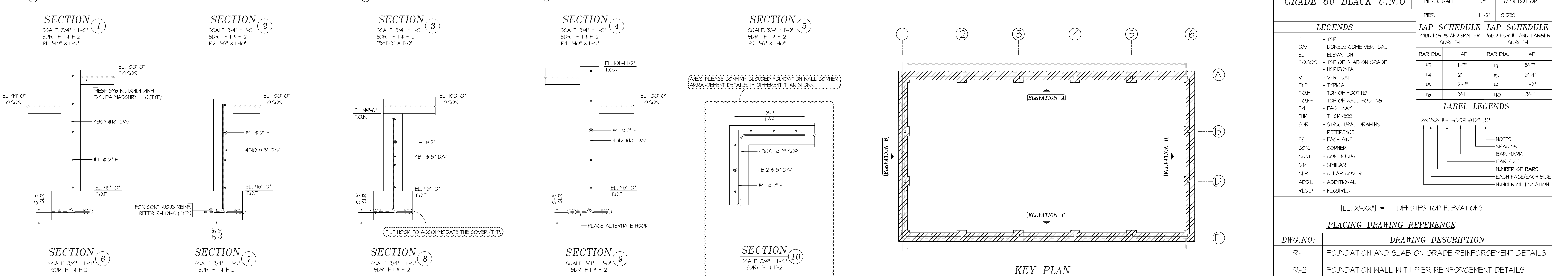
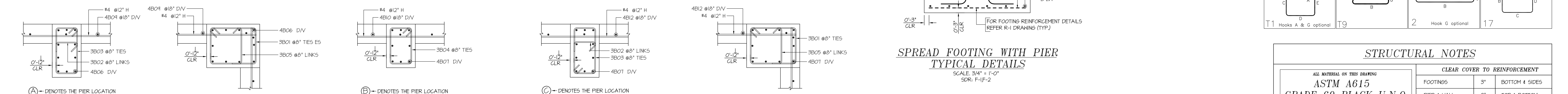
SDR: F-1 & F-2



ELEVATION-C FOUNDATION WALL WITH PIER
REINFORCEMENT DETAILS-CONTINUOUS

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

SDR: F-1 & F-2



Drawing Sheet : R-2		BENDING DETAILS															
Bar Mark	Qty	Size	Total Length	Type	'X'	'Y'	'Z'	'W'	'V'	'U'	'T'	'S'	'R'	'Q'	'P'	'O'	'N'
3B01	32	#3	6'-4 1/2"	T1	0'-4 1/2"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"
3B02	64	#3	1'-5 1/2"	T9	0'-4 1/2"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"
3B03	64	#3	5'-4 1/2"	T1	0'-4 1/2"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"
3B04	28	#3	4'-8 1/2"	T1	0'-4 1/2"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"	0'-9"
3B05	32	#3	1'-11 1/2"	T9	0'-4 1/2"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"
4B06	80	#4	5'-4"	2	0'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"
4B07	92	#4	4'-4"	2	0'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"
4B08	24	#4	4'-6"	17	0'-8"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"	2'-3"
4B09	90	#4	5'-5"	2	0'-8"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"	4'-9"
4B10	36	#4	4'-5"	2	0'-8"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"	3'-9"
4B11	26	#4	3'-11"	2	0'-8"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"	3'-3"
4B12	118	#4	5'-7"	2	0'-8"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"	4'-11"

SPREAD FOOTING WITH PIER
TYPICAL DETAILS

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

SDR: F-1 & F-2

Hooks A & G optional		Hook G optional		Hook G optional	
T1	T9	2	17	17	17

STRUCTURAL NOTES

ALL MATERIAL ON THIS DRAWING
ASTM A615
GRADE 60 BLACK U.N.O

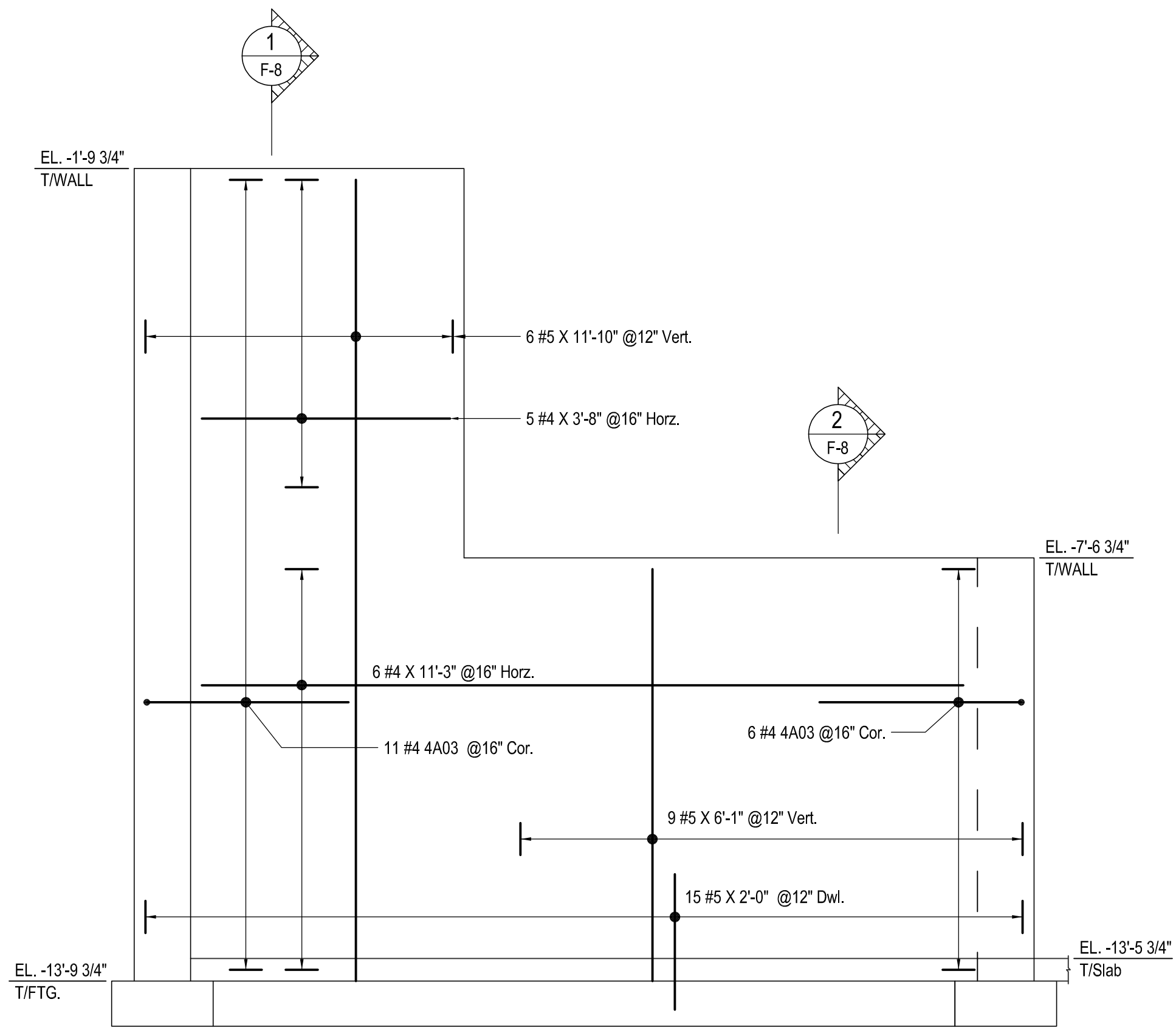
LEGENDS

T	D/V	EL.	T.O.SOG	H	V	TYP.	T.O.F	T.O.WF	EH	THK.	SDR
- TOP	- DONELS COME VERTICAL	- ELEVATION	- TOP OF SLAB ON GRADE	- HORIZONTAL	- VERTICAL	- TYPICAL	- TOP OF FOOTING	- TOP OF WALL FOOTING	- EACH WAY	- THICKNESS	- STRUCTURAL DRAWING
ES	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE
COR.	- CORNER	- CORNER	- CORNER	- CORNER	- CORNER	- CORNER	- CORNER	- CORNER	- CORNER	- CORNER	- CORNER
CONT.	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS	- CONTINUOUS
SIM.	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR	- SIMILAR
CLR.	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER	- CLEAR COVER
ADDL.	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL	- ADDITIONAL
REQ'D	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED	- REQUIRED

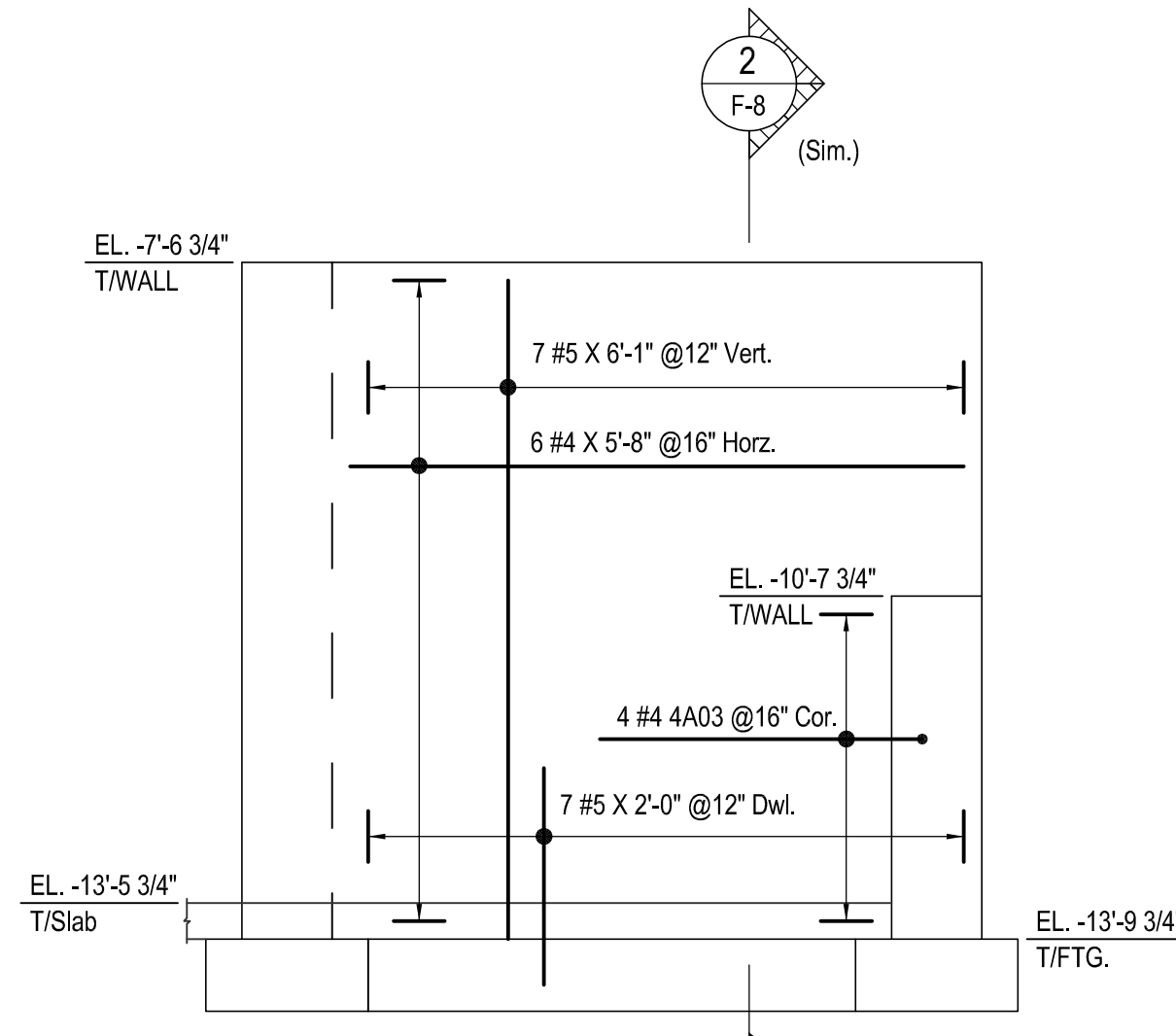
LAP SCHEDULE

BAR DIA.	LAP	BAR DIA.	LAP
#3	1'-1"	#1	5'-1"
#4	2'-1"	#2	6'-4"
#5	2'-1"	#3	7'-2"
#6	3'-1"	#4	8'-1"

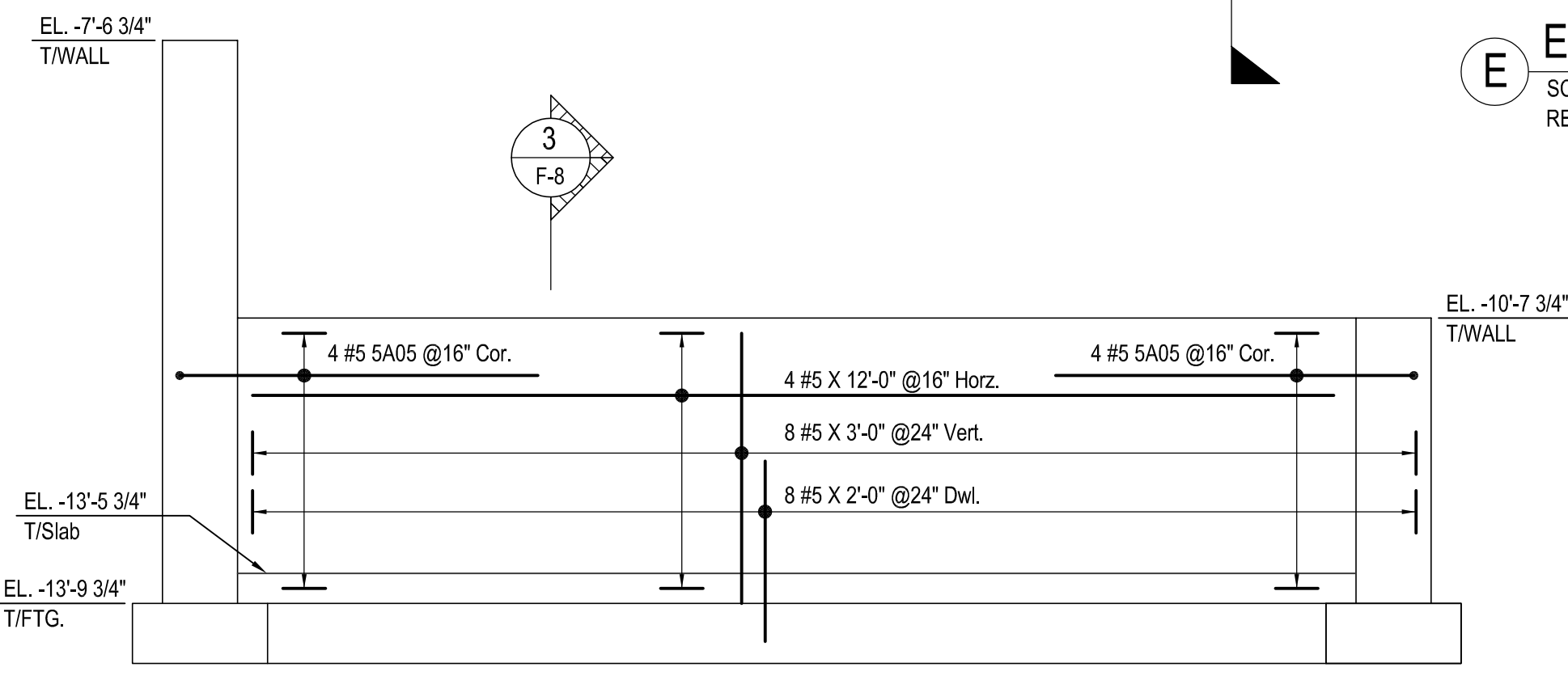
PLACING DRAWING REFERENCE	
DWG.NO:	DRAWING DESCRIPTION
R-1	FOUNDATION AND SLAB ON GRADE REINFORCEMENT DETAILS
R-2	FOUNDATION WALL WITH PIER REINFORCEMENT DETAILS



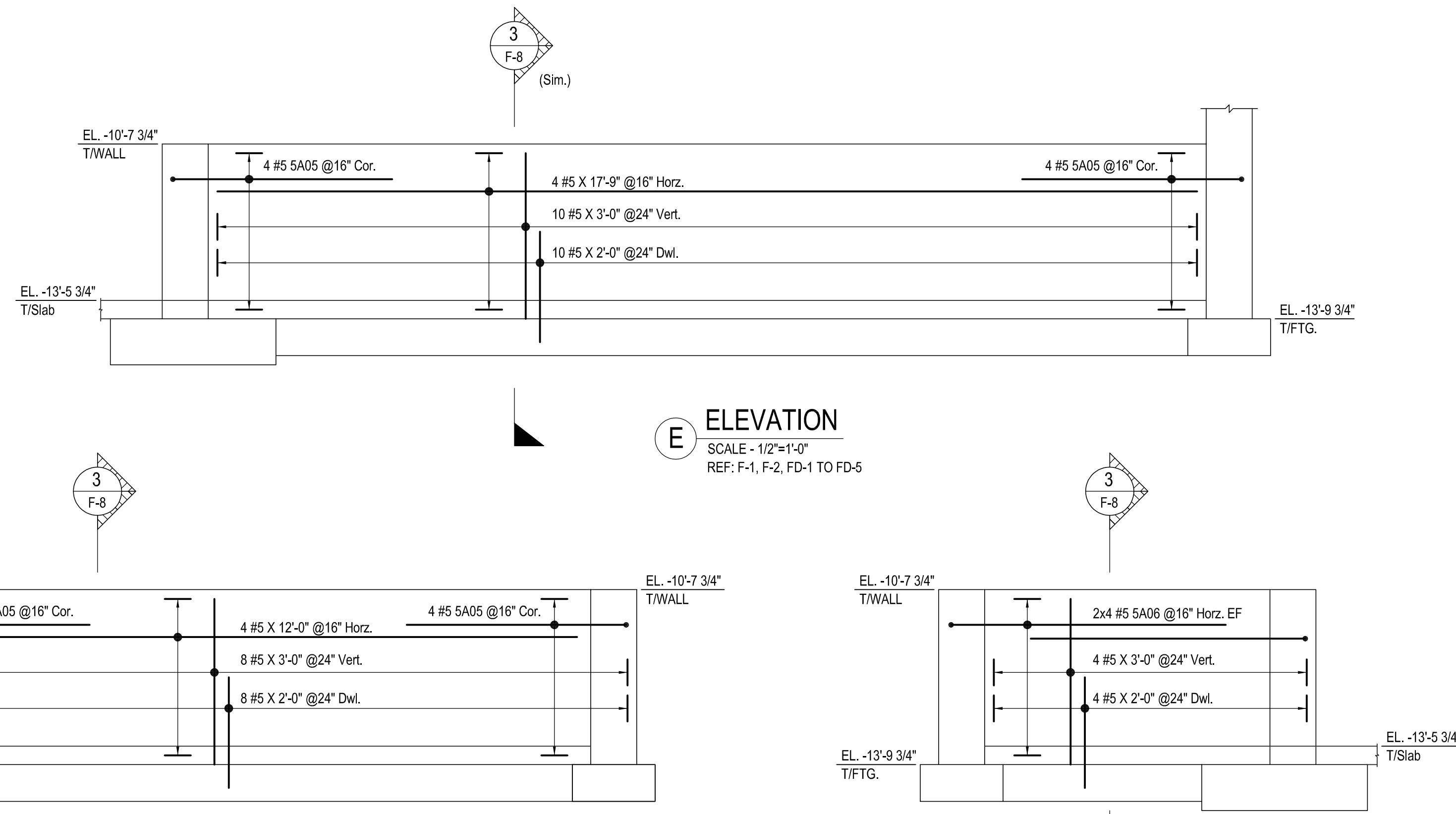
A ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



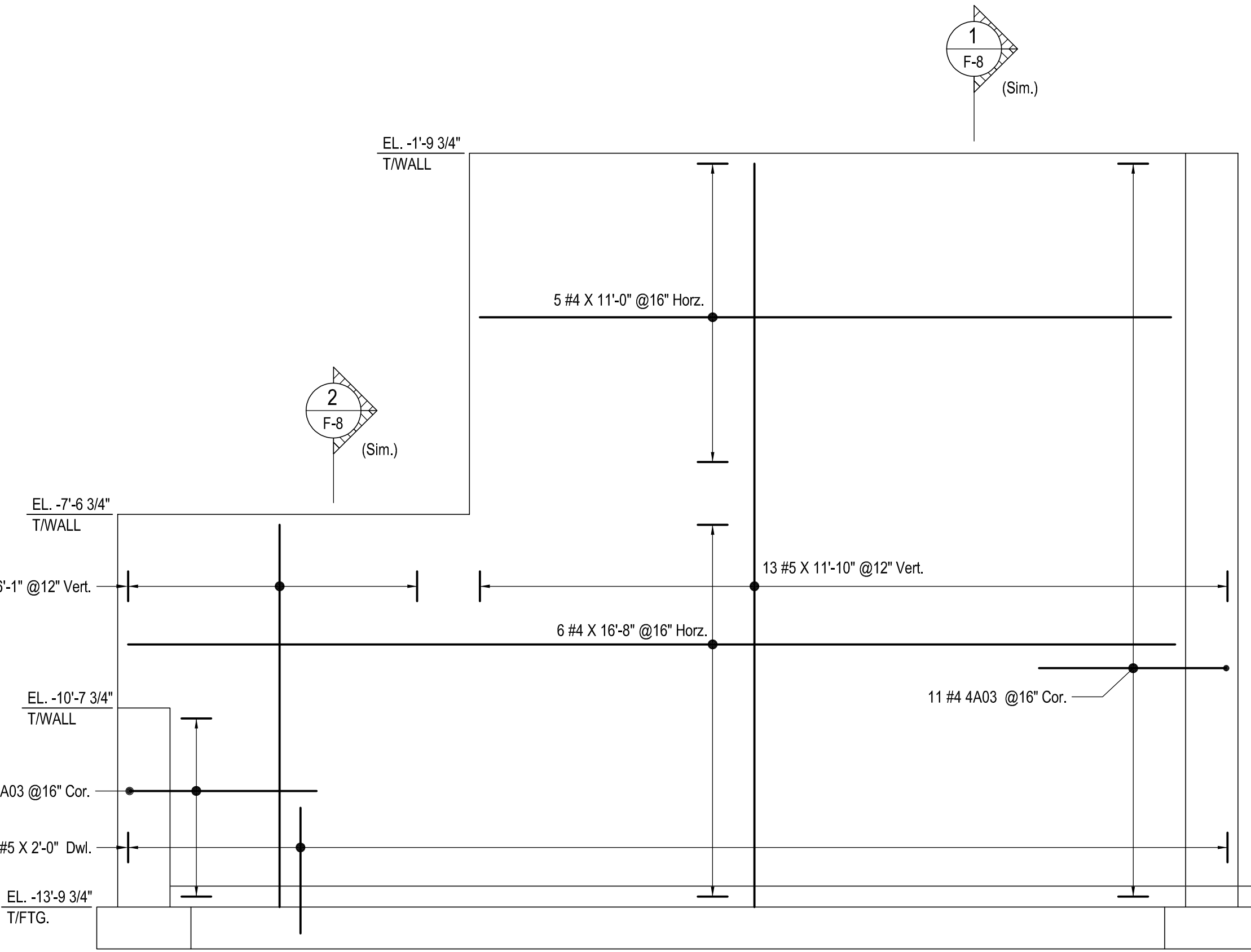
B ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



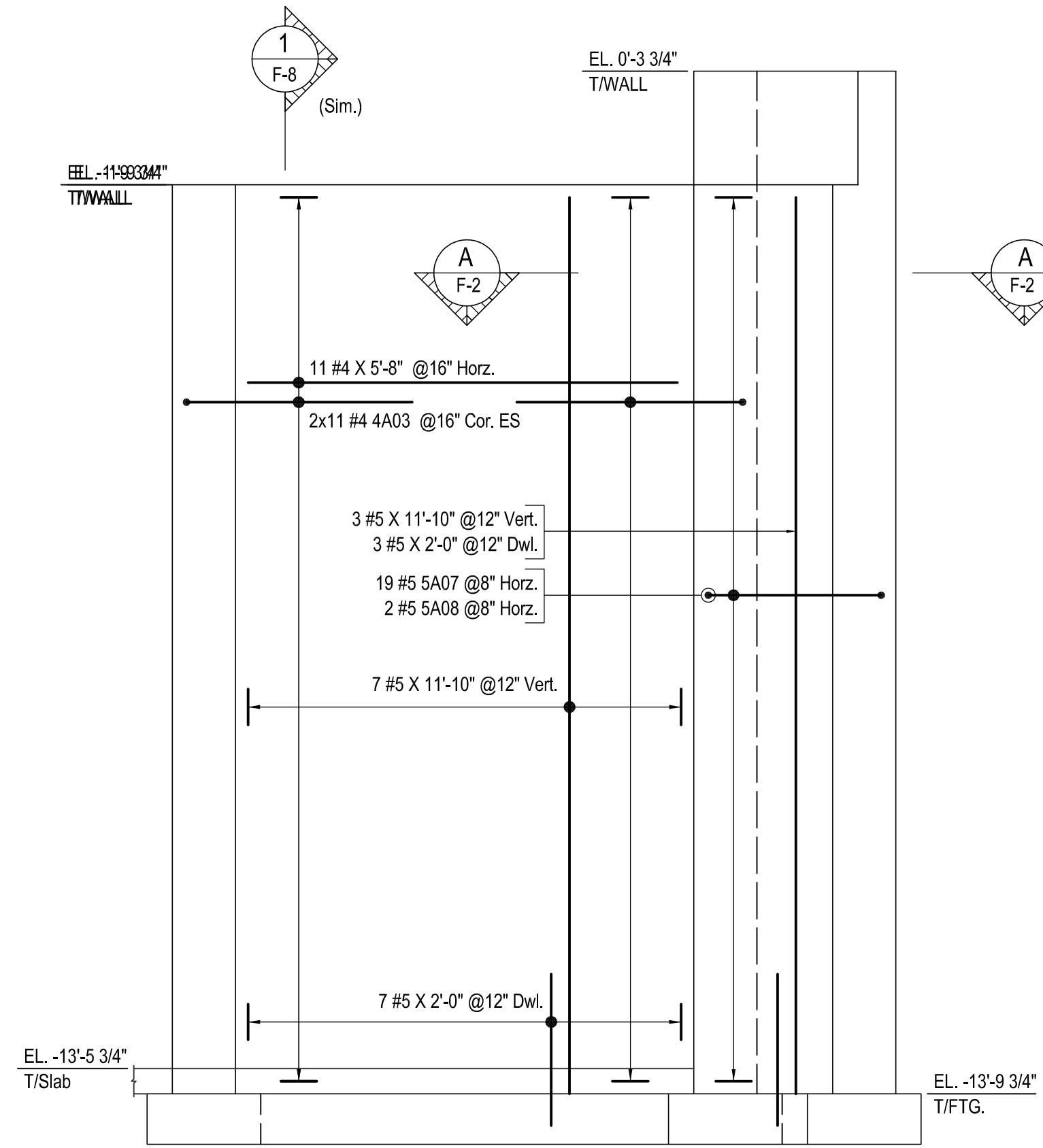
C ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



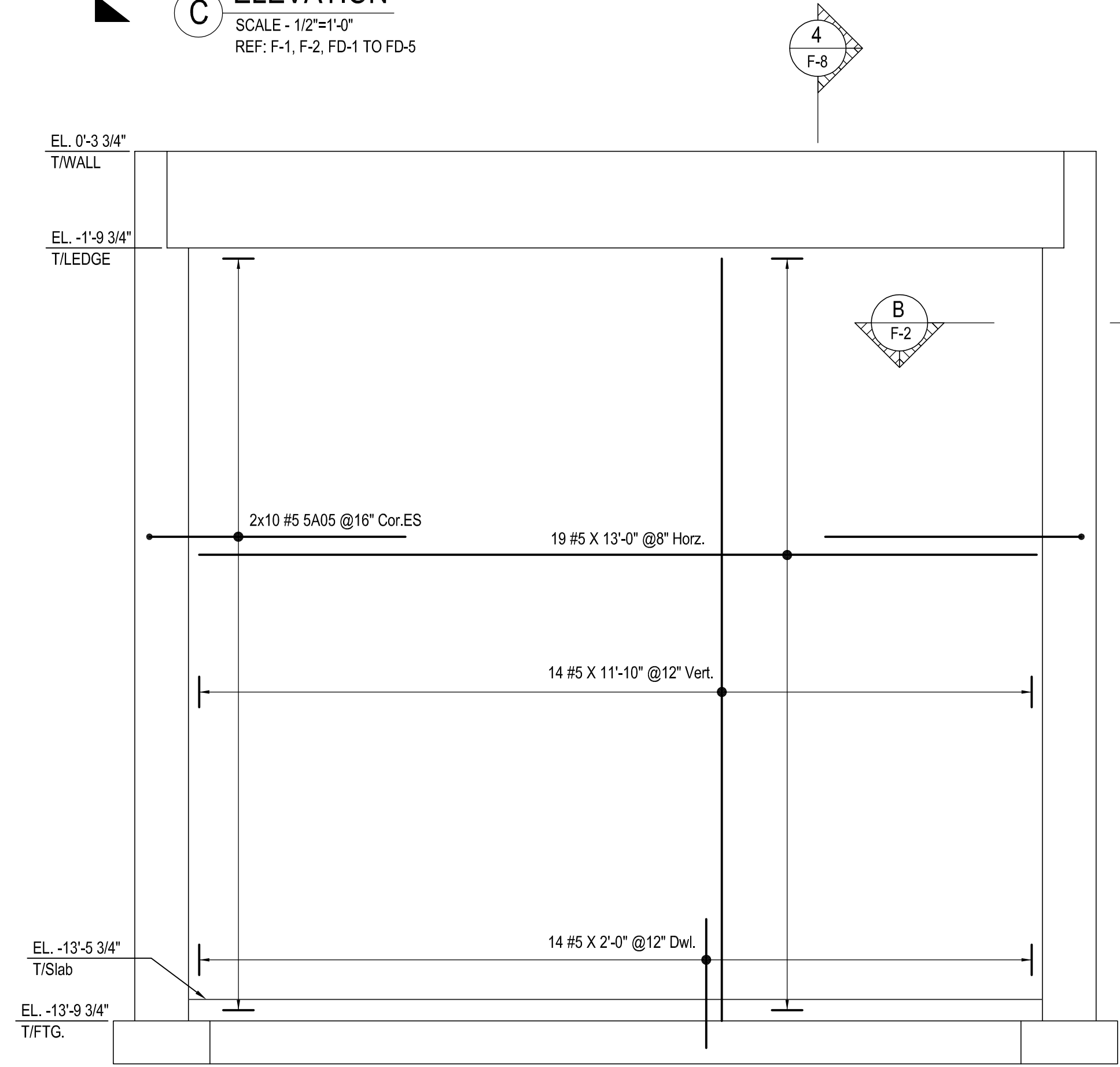
D ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



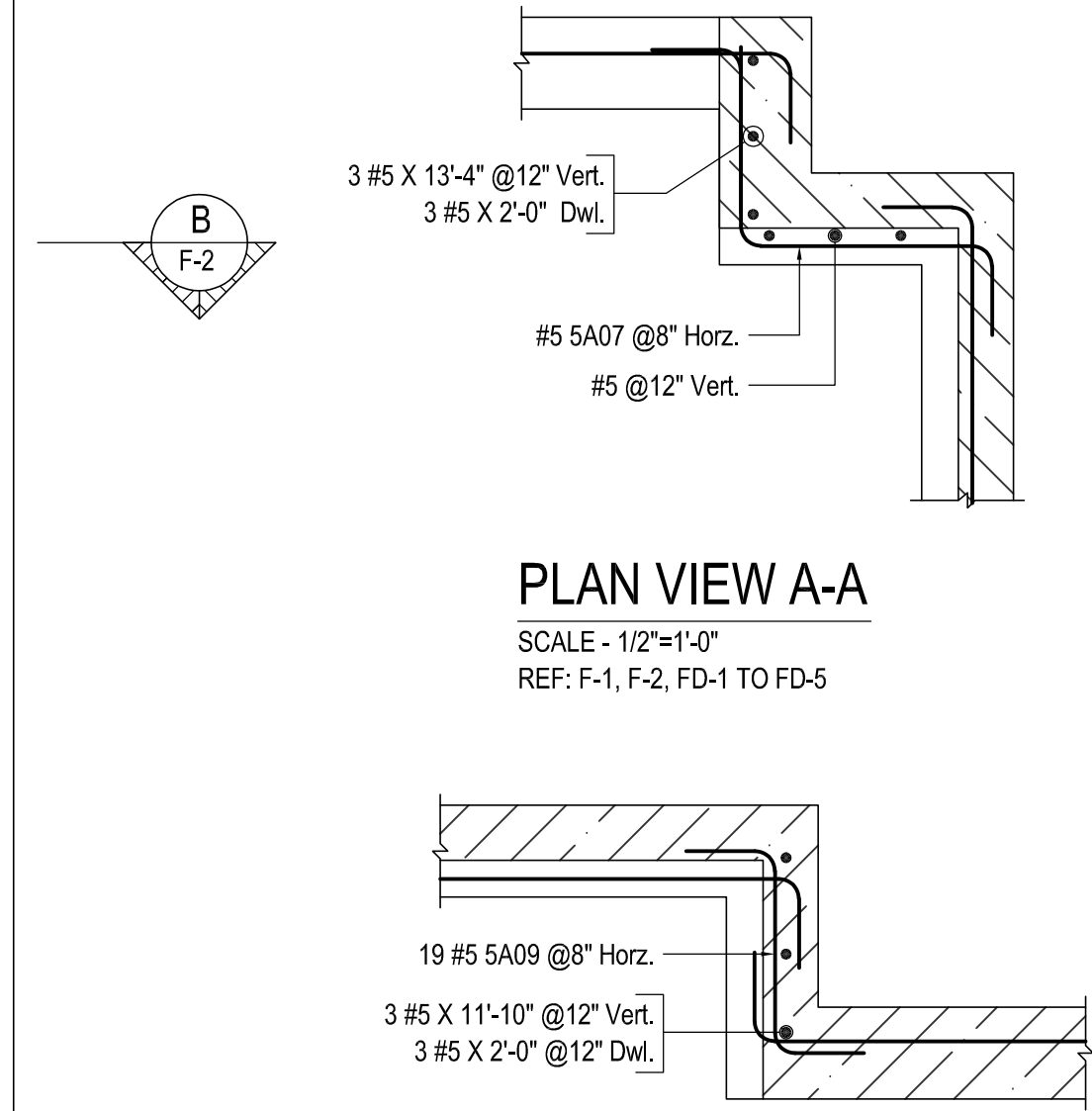
F ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



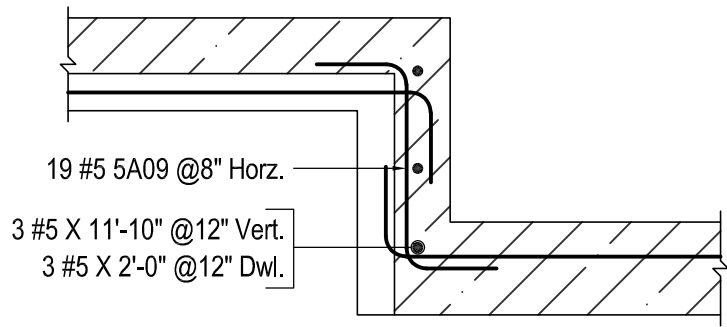
G ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



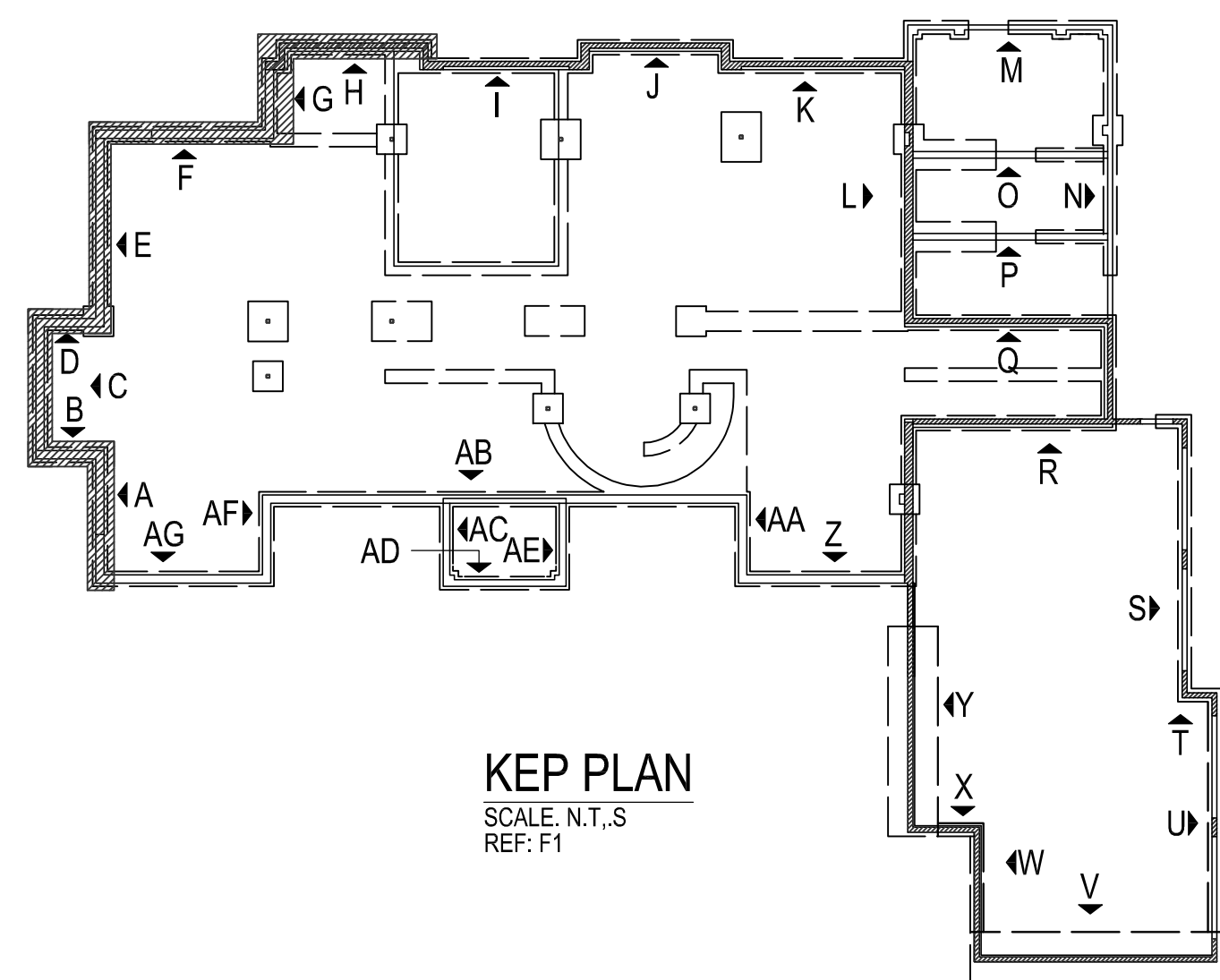
H ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



PLAN VIEW A-A
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



PLAN VIEW B-B
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



KEP PLAN
SCALE: N.T.S.
REF: F1

Abbreviations	
Top	T
Bottom	B
Top&Bottom	T&B
Continuous	Cont.
Corner Bar	Cor.
Vertical	Vert.
Horizontal	Horz.
Each Way	EW
Each Face	EF
Inner Face	IF
Outer Face	OF
Each Side	ES
Dowel	Dwl.
Dowel/Vertical	D/V
Top of Wall	T/Wall
Top of FTG.	T/FTG.
Top of Pier	T/Pier
Top of SLAB	T/SLAB

Lap Schedule	
SIZE	3000 PSI (CLASS-A)
	LAP
#3	18"
#4	24"
#5	34"
#6	40"
#7	55"
#8	70"

LEGEND:

FX-X	FOOTING MARK
EL. XX'-XX"	TOP OF FOOTING ELEVATION

REBAR TYPE
ASTM 615 GRADE 60

CONCRETE REINFORCING PLACEMENT DRAWING

TITLE FOUNDATION WALL ELEVATION-A TO H REINFORCEMENT DETAILS

PROJECT

LOCATION

CUSTOMER

DRAWN BY DATE

DRAWING NO.

F-3

CONTRACT NO.

-

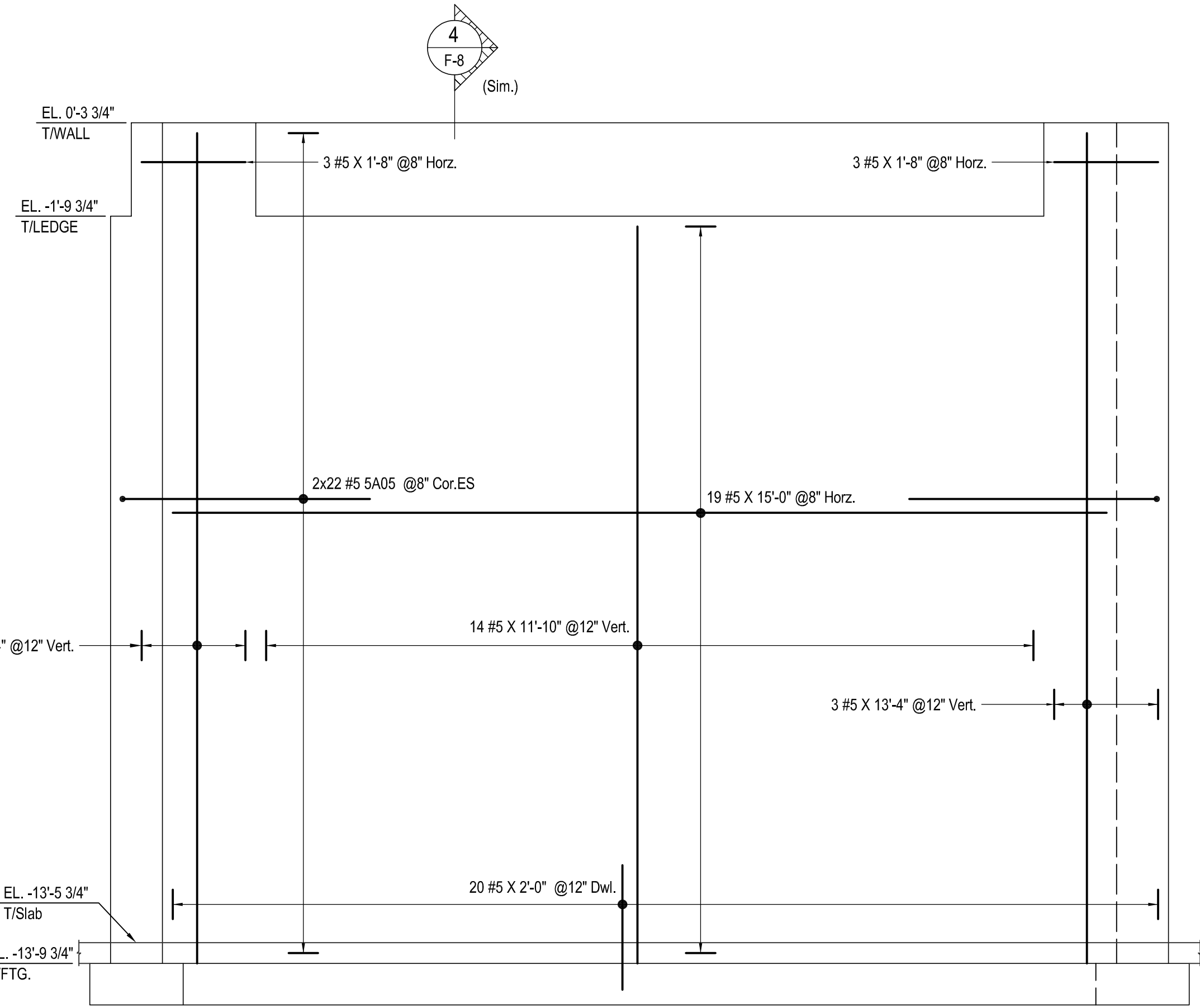
FOR APPROVAL

0 06/24/25

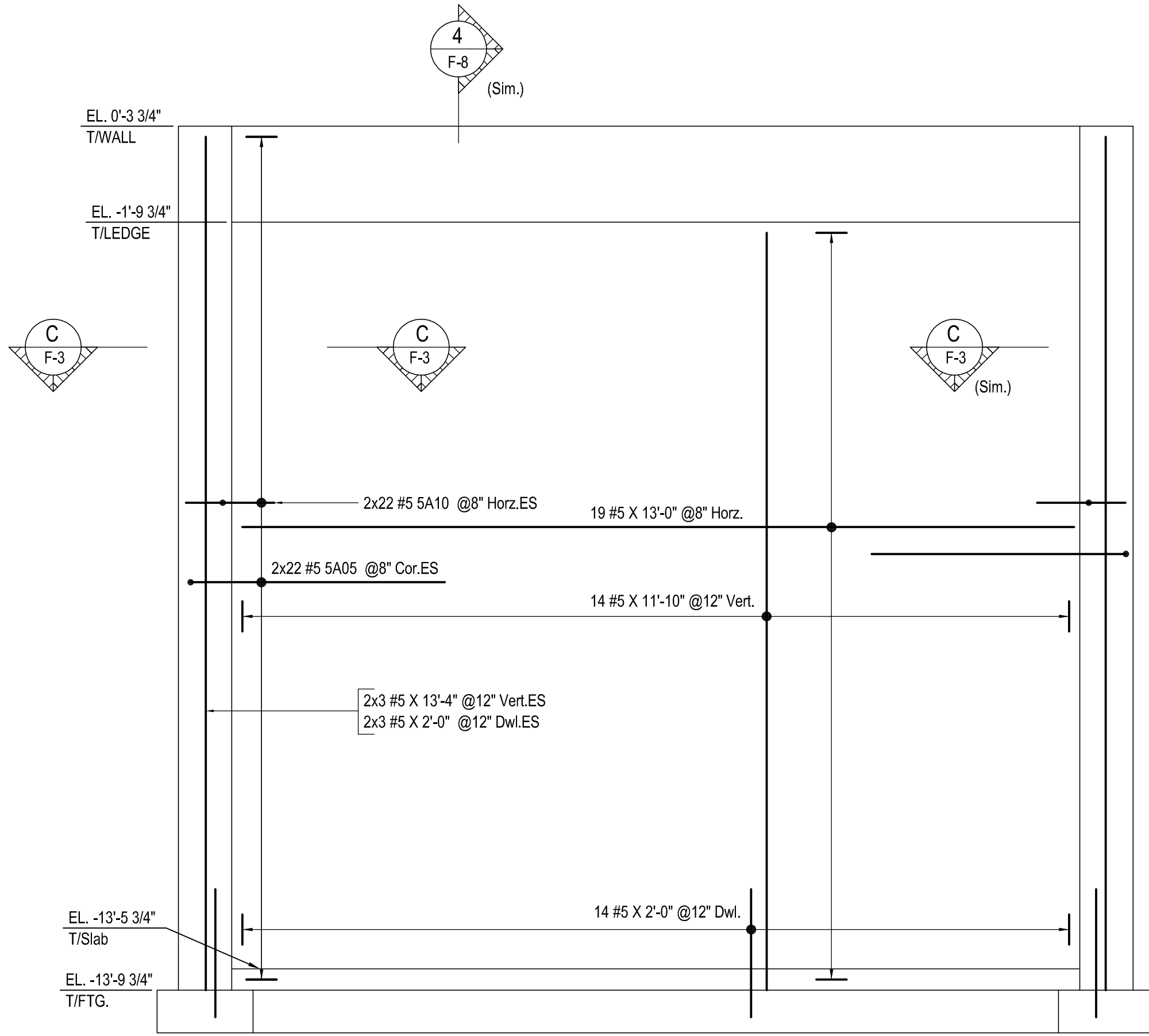
REV DATE

REVISION REMARKS

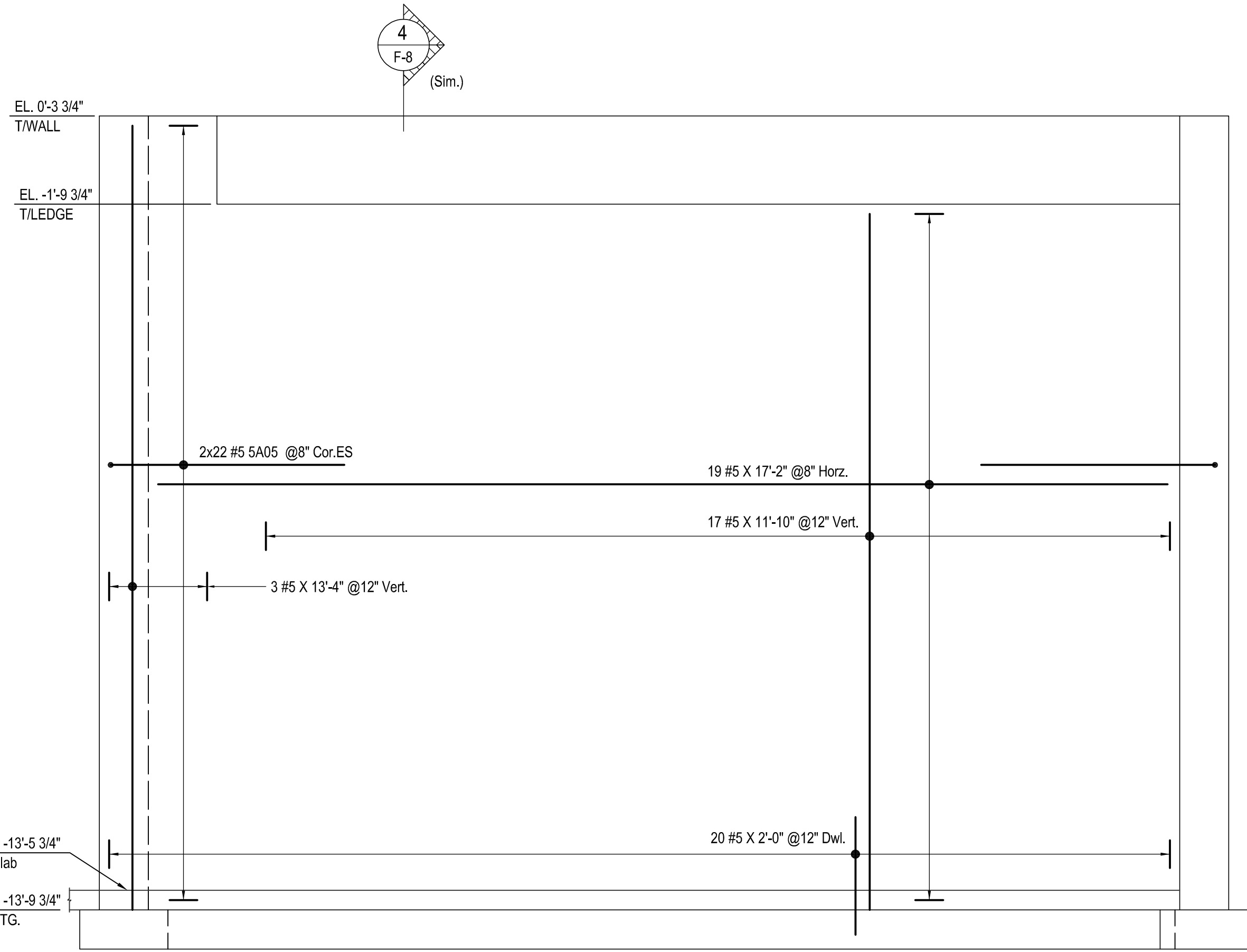
BY



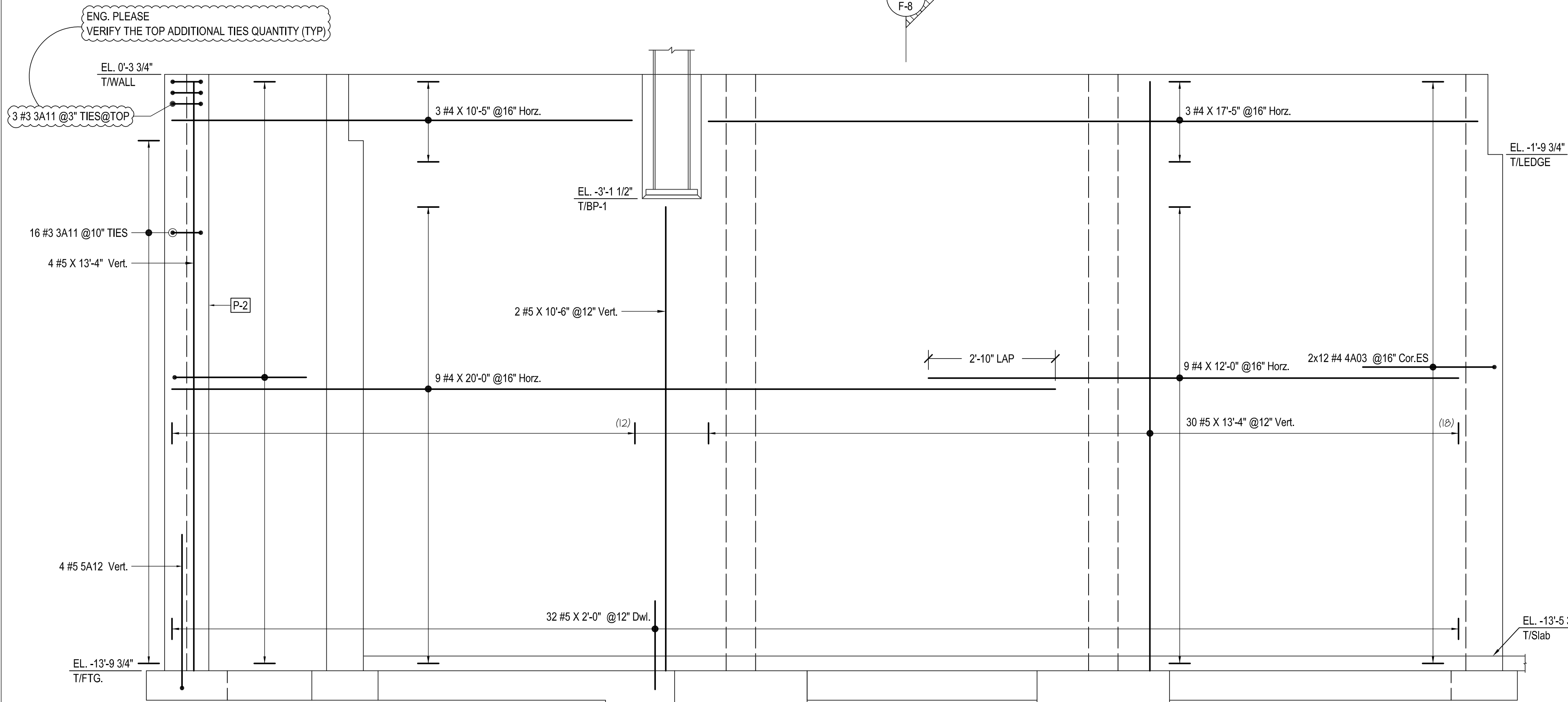
I ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



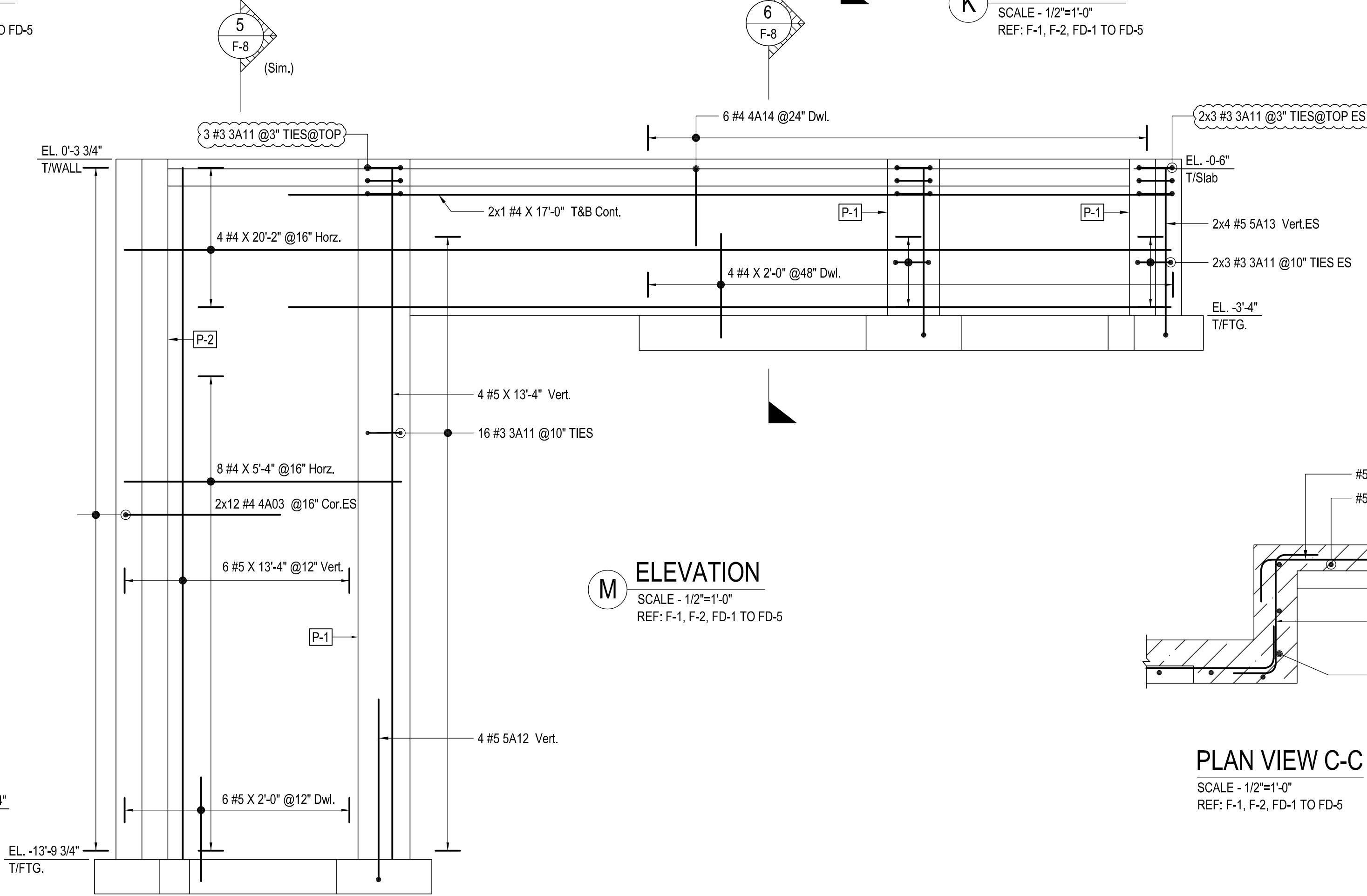
J ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



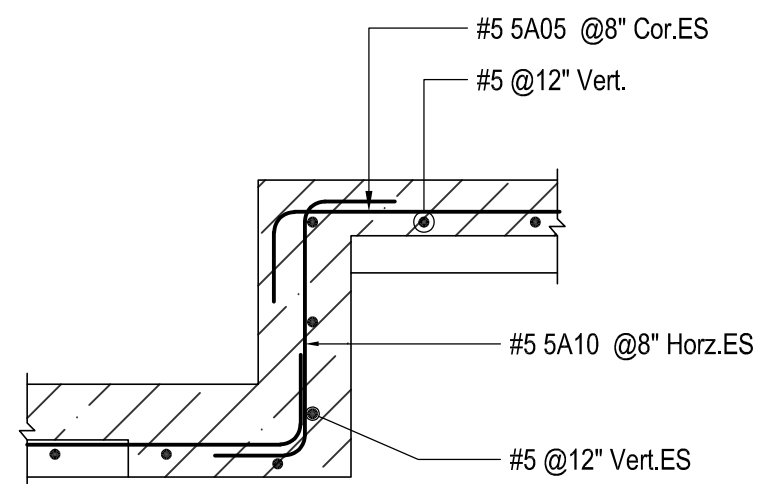
K ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



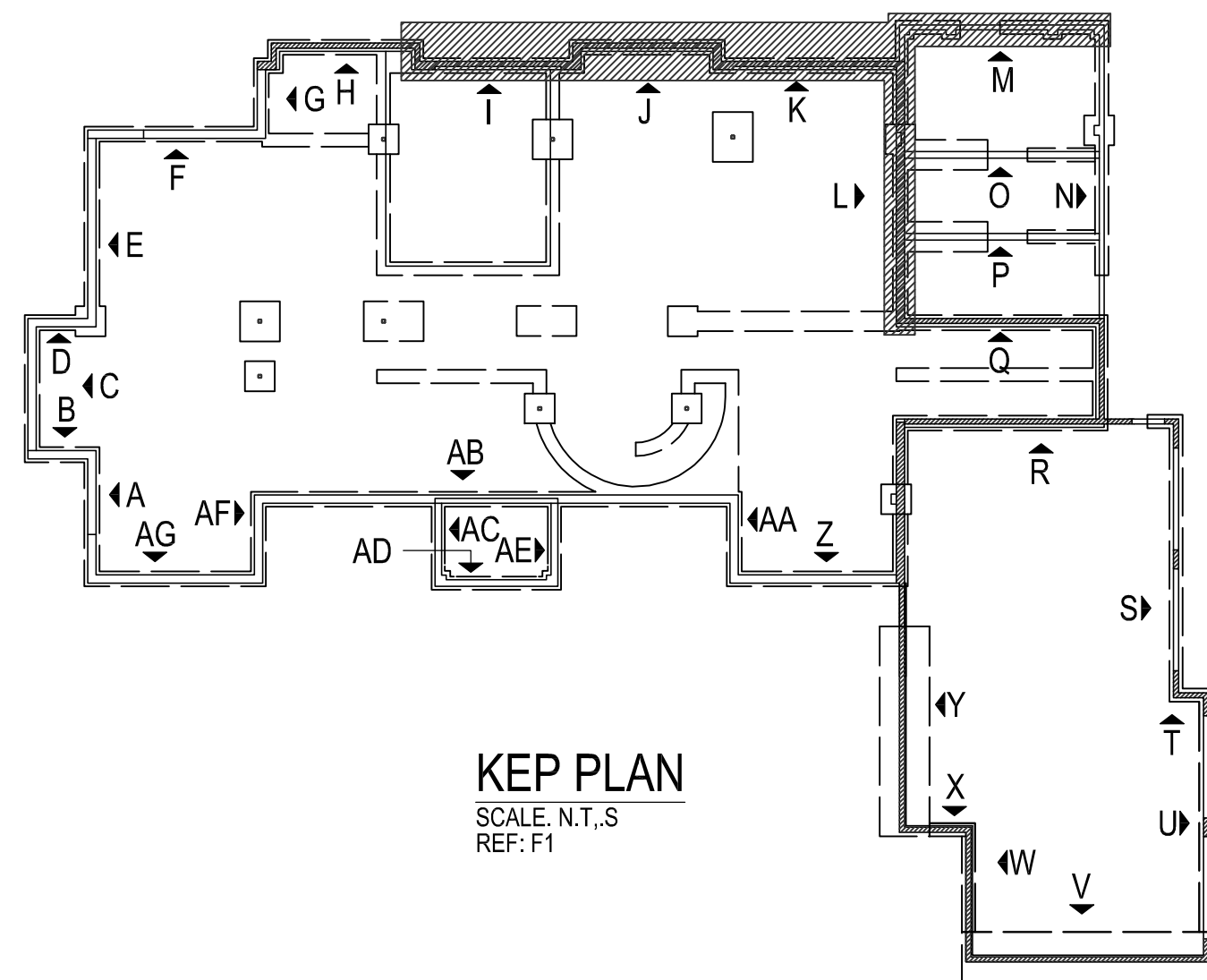
L ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



M ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



PLAN VIEW C-C
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



KEP PLAN
SCALE: N.T.S.
REF: F1

Abbreviations	
Top	T
Bottom	B
Top&Bottom	T&B
Continuous	Cont.
Corner Bar	Cor.
Vertical	Vert.
Horizontal	Horz.
Each Way	EW
Each Face	EF
Inner Face	IF
Outer Face	OF
Each Side	ES
Dowel	Dwl.
Dowel/Vertical	D/V
Top of Wall	T/Wall
Top of FTG.	T/FTG.
Top of Pier	T/Pier
Top of SLAB	T/SLAB

Lap Schedule	
SIZE	3000 PSI (CLASS-A)
	LAP
#3	18"
#4	24"
#5	34"
#6	40"
#7	55"
#8	70"

LEGEND:

FX-X	FOOTING MARK
EL.XX>XX	TOP OF FOOTING ELEVATION

REBAR TYPE
ASTM 615 GRADE 60

CONCRETE REINFORCING PLACEMENT DRAWING

TITLE FOUNDATION WALL ELEVATION-A TO H REINFORCEMENT DETAILS

PROJECT

LOCATION

CUSTOMER

DRAWN BY DATE

DRAWING NO.

F-4

CONTRACT NO.

-

FOR APPROVAL

0 06/24/25

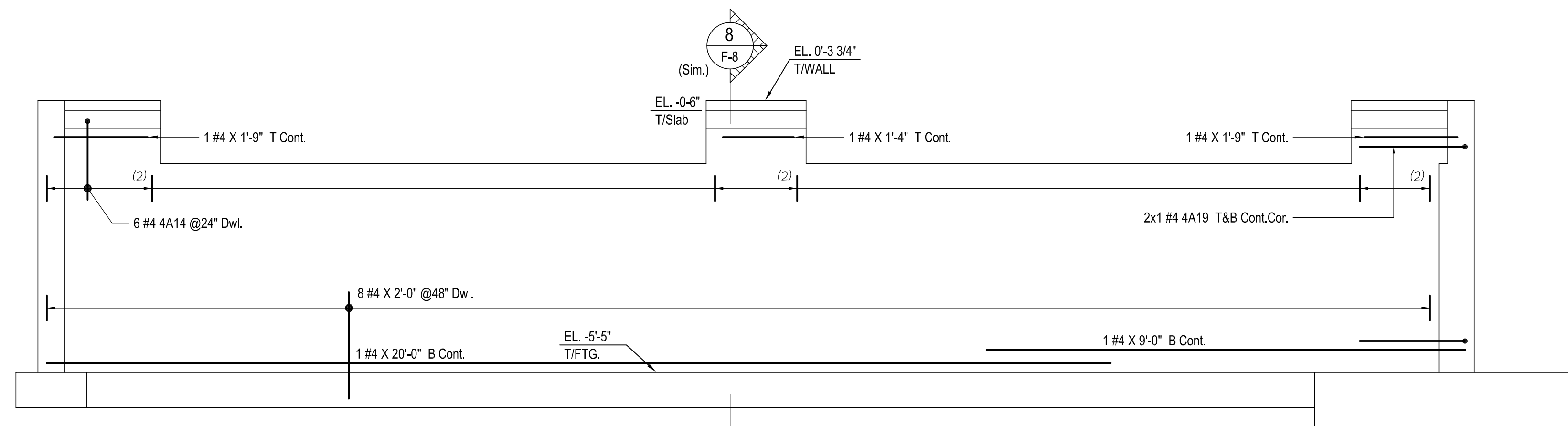
REV

RS.

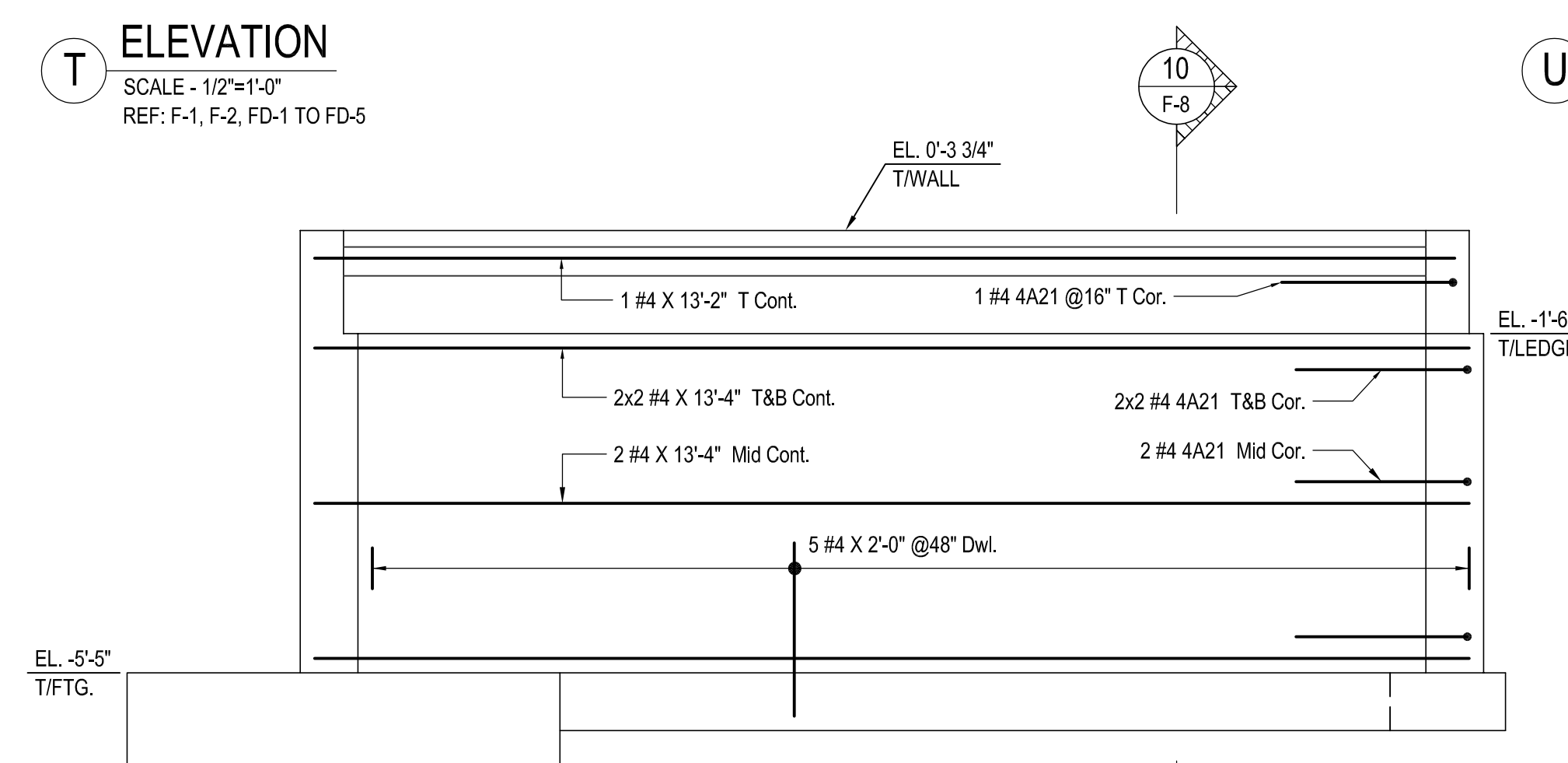
DATE

BY

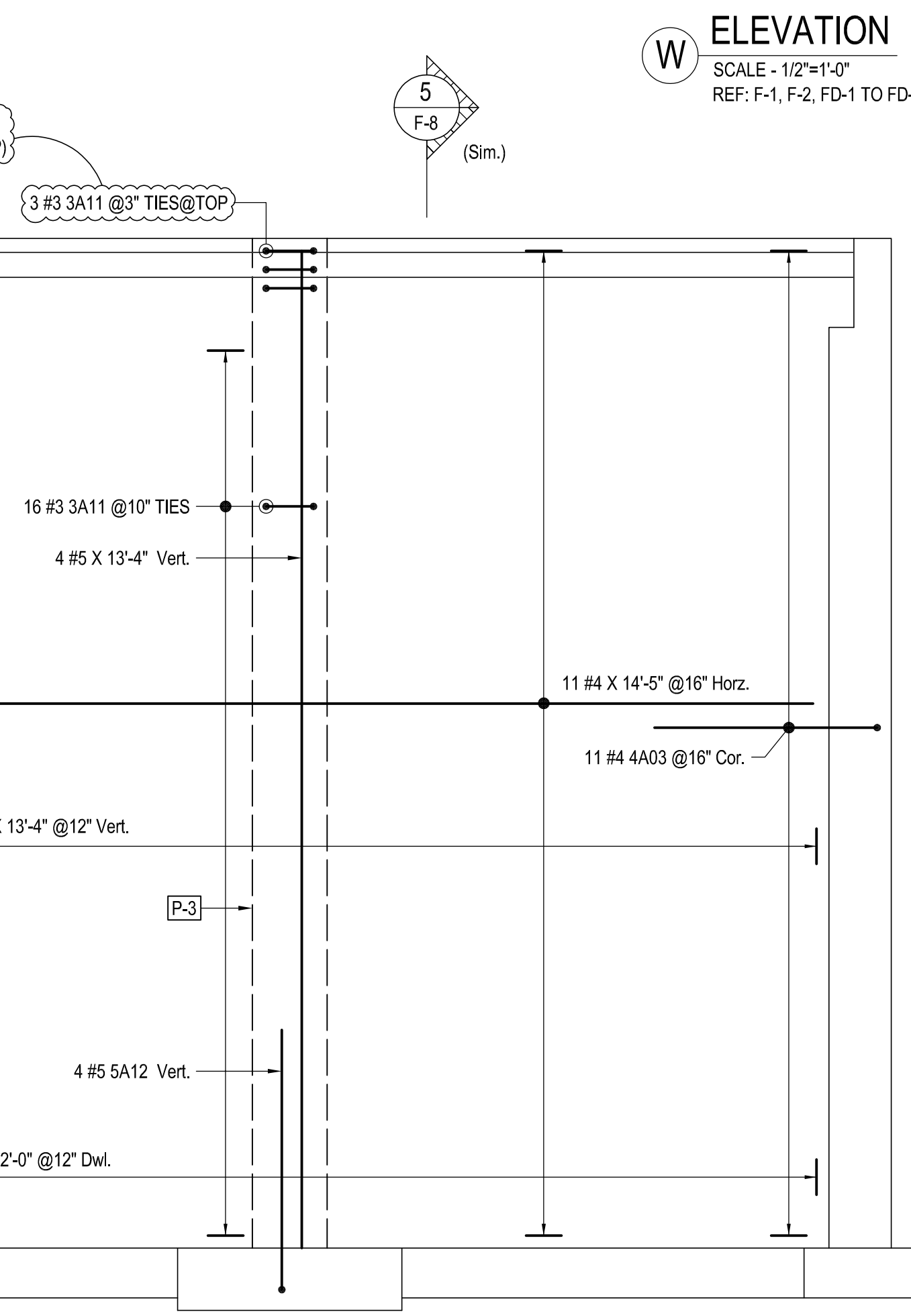
REVISION REMARKS



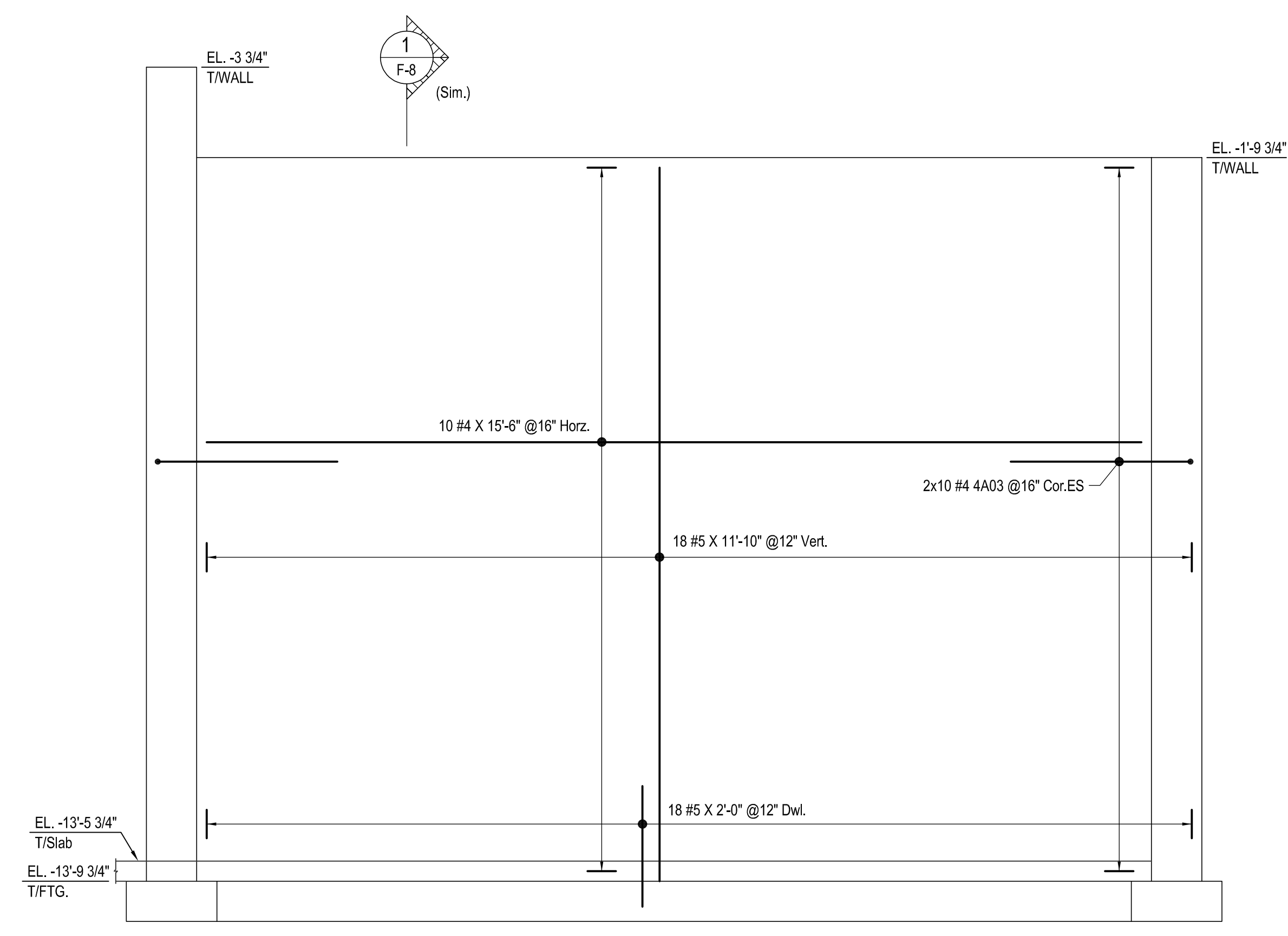
U ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



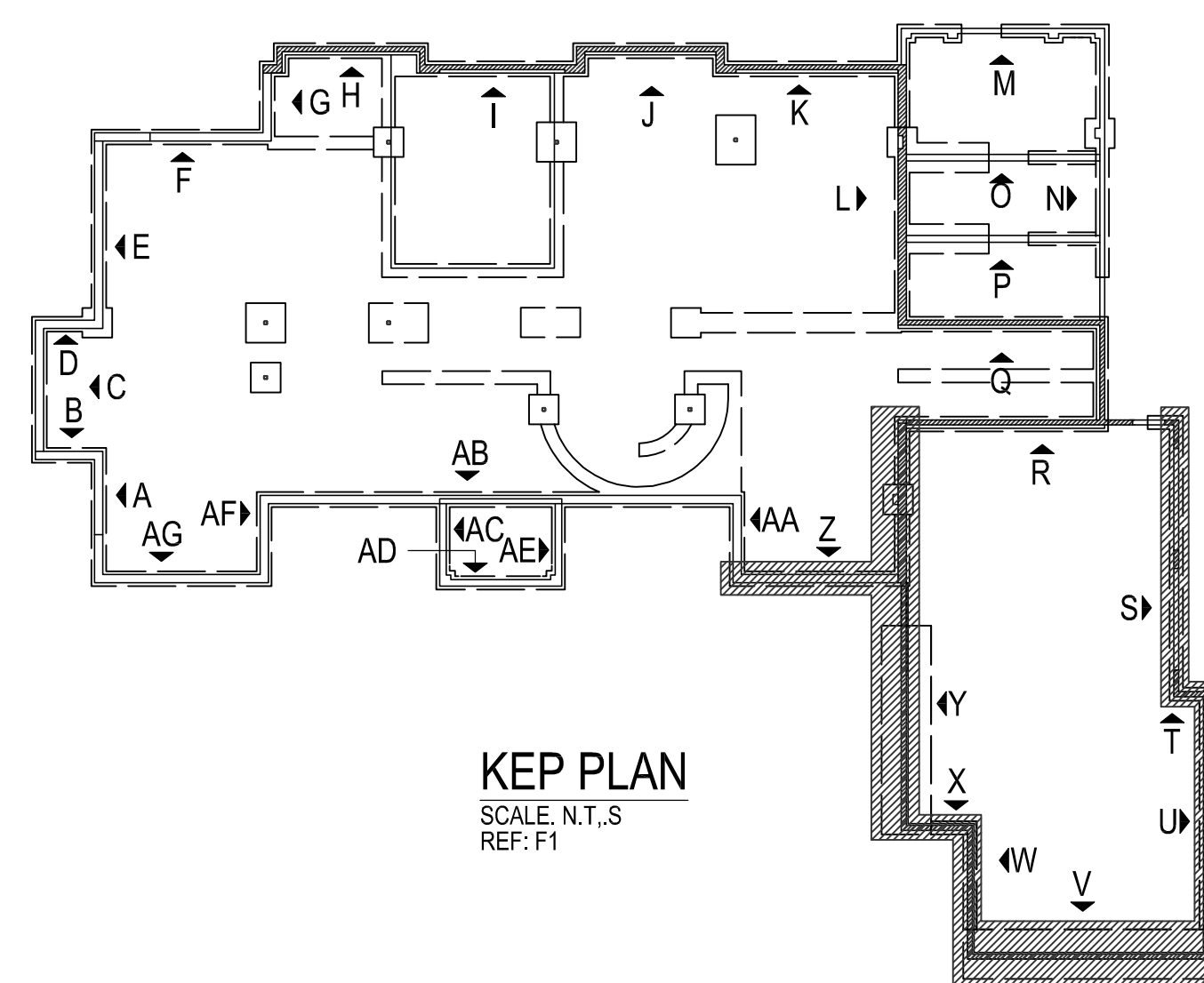
(X) ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



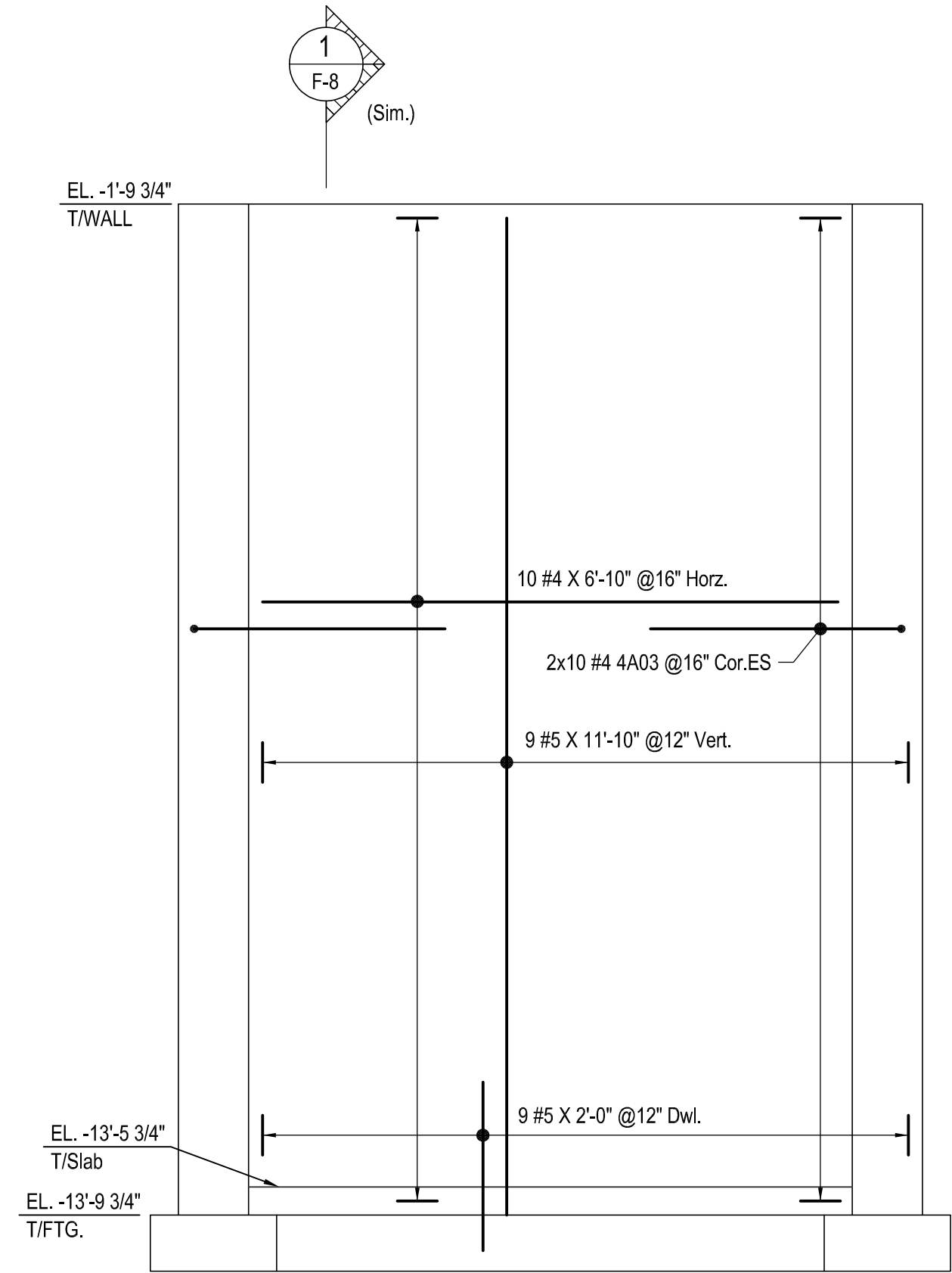
Z ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



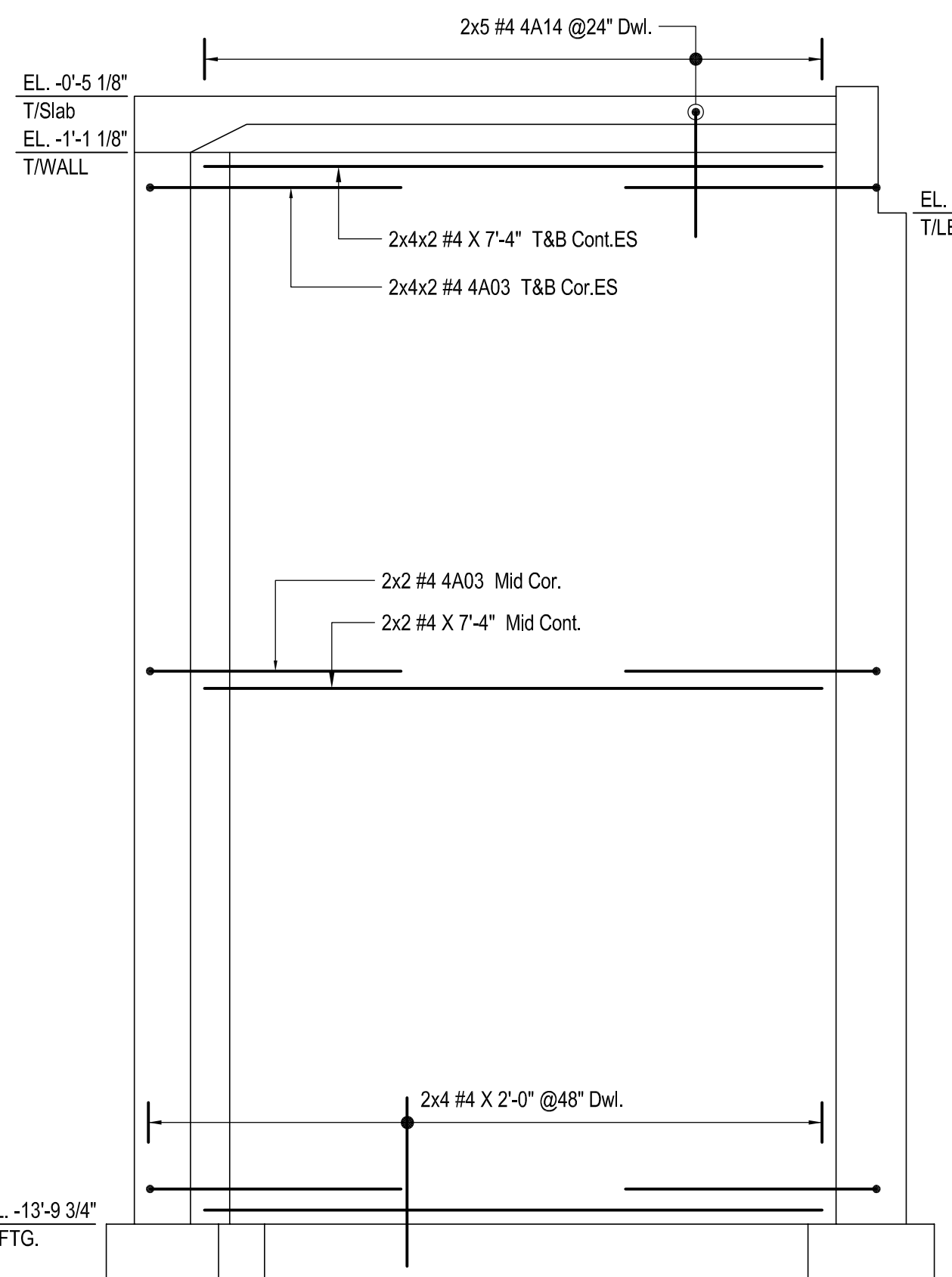
REBAR TYPE
ASTM 615 GRADE 60



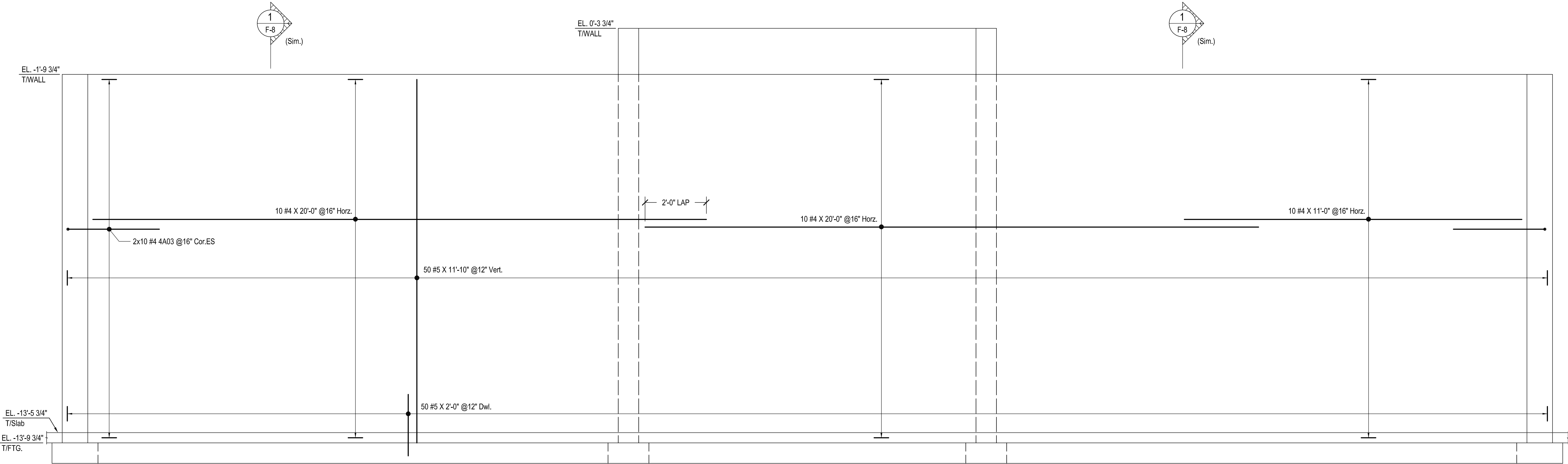
CONCRETE REINFORCING PLACEMENT DRAWING				
TITLE FOUNDATION WALL ELEVATION-A TO H REINFORCEMENT DETAILS				
PROJECT _____				
LOCATION _____				
CUSTOMER _____				
DRAWN BY _____ DATE _____				
DRAWING NO. F-6				
CONTRACT NO. _____				



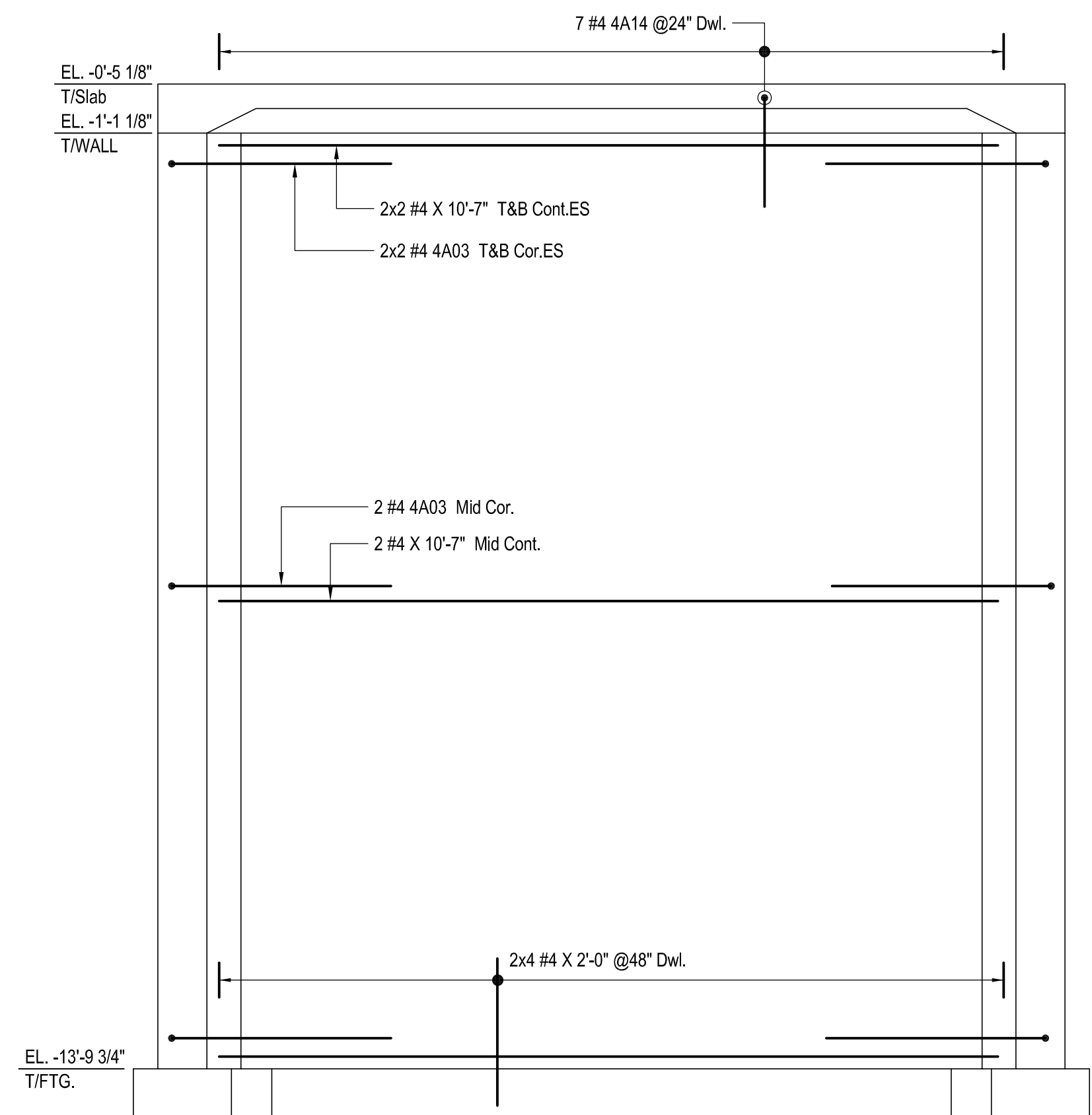
AA ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



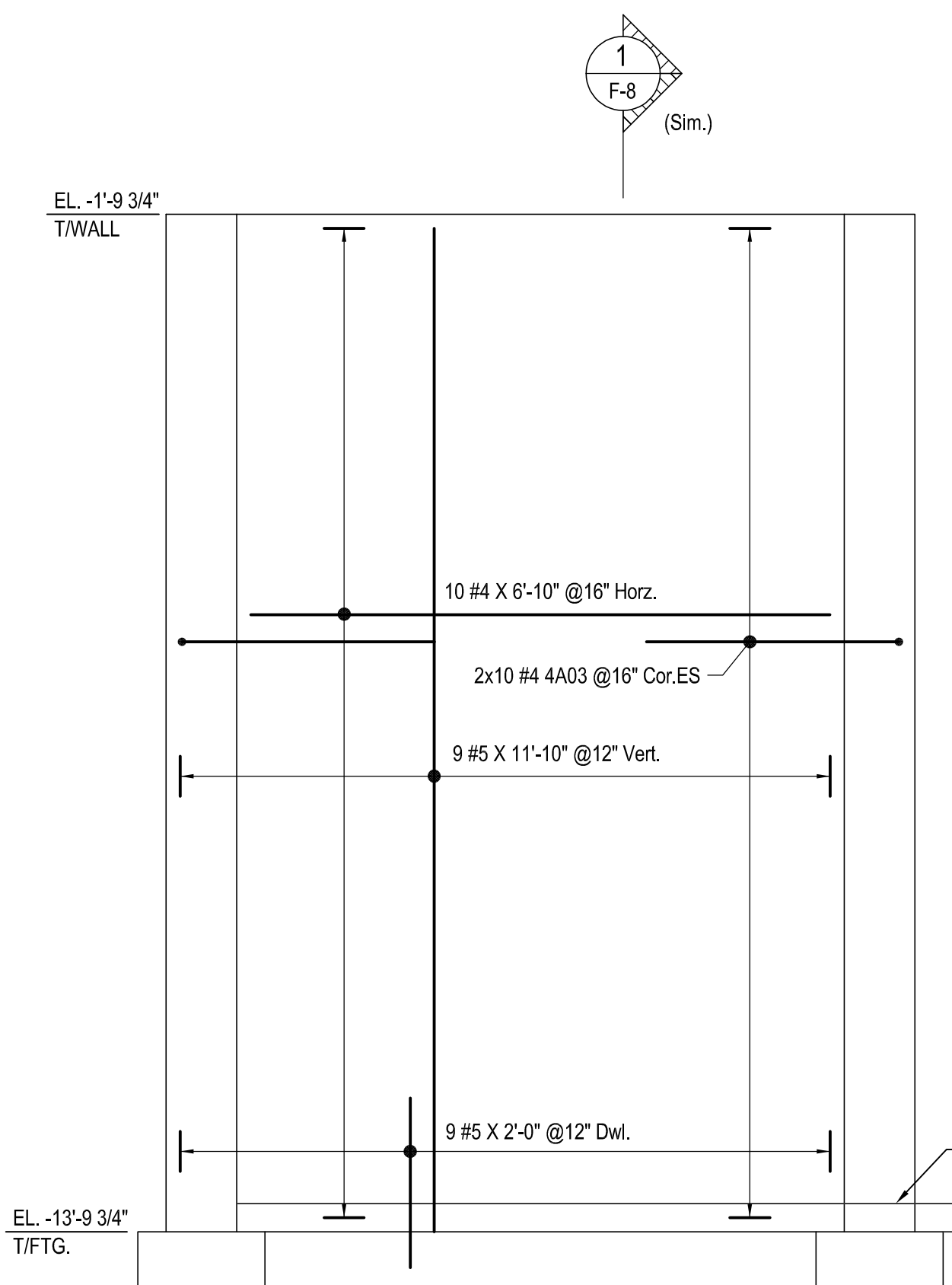
AC/AE ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



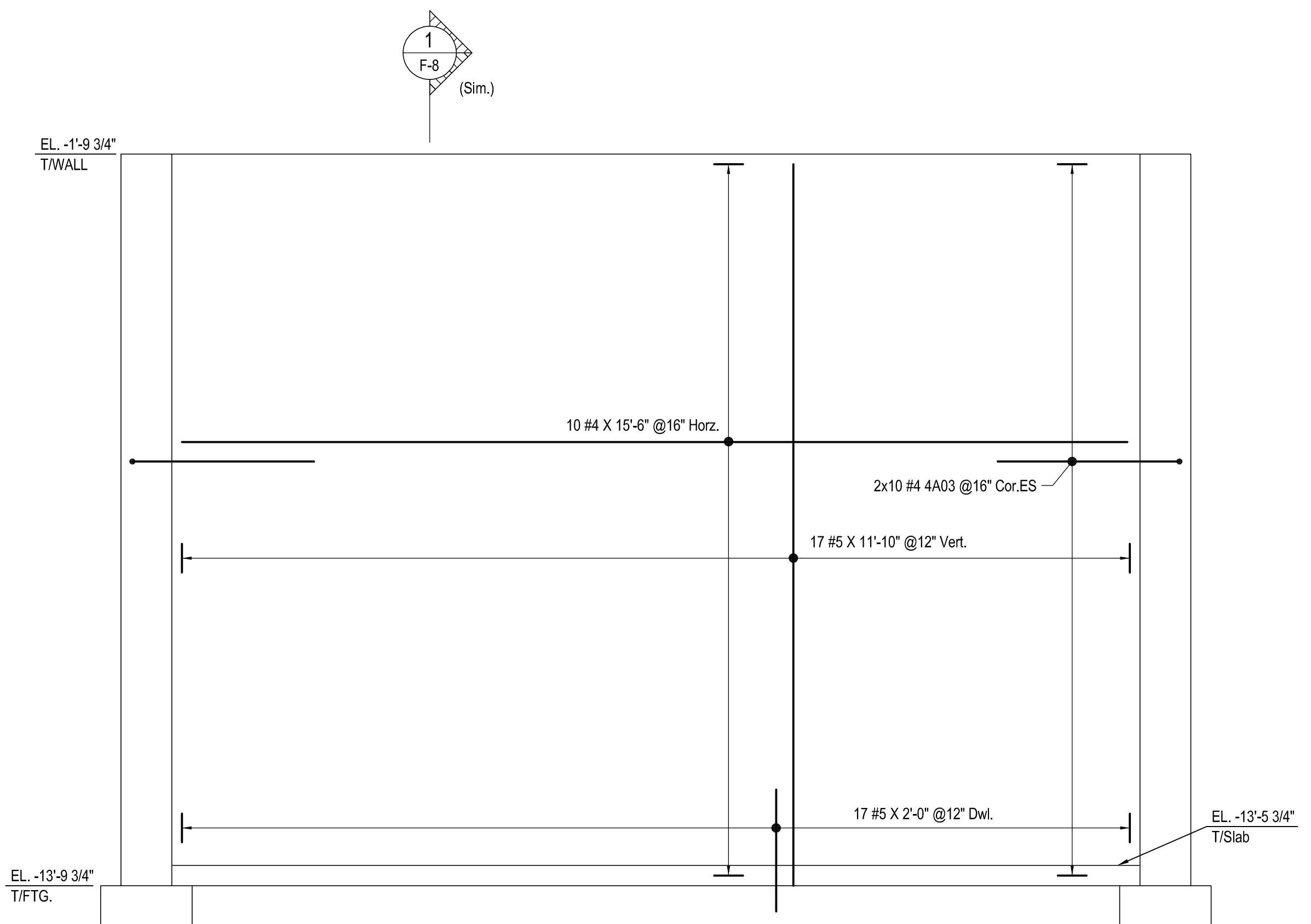
AB ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



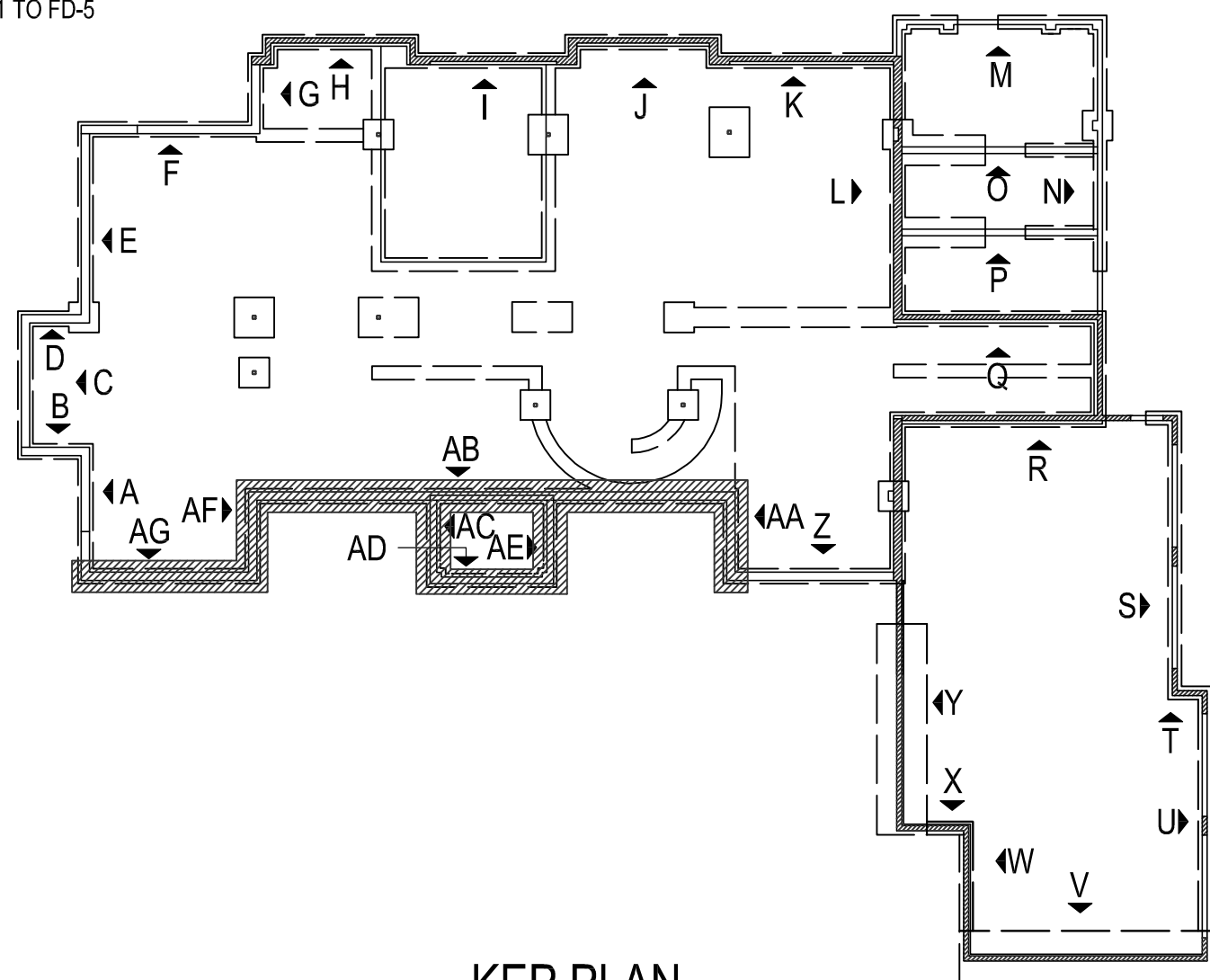
AD ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



AF ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



AG ELEVATION
SCALE - 1/2"=1'-0"
REF: F-1, F-2, FD-1 TO FD-5



KEP PLAN
SCALE: N.T.S
REF: F1

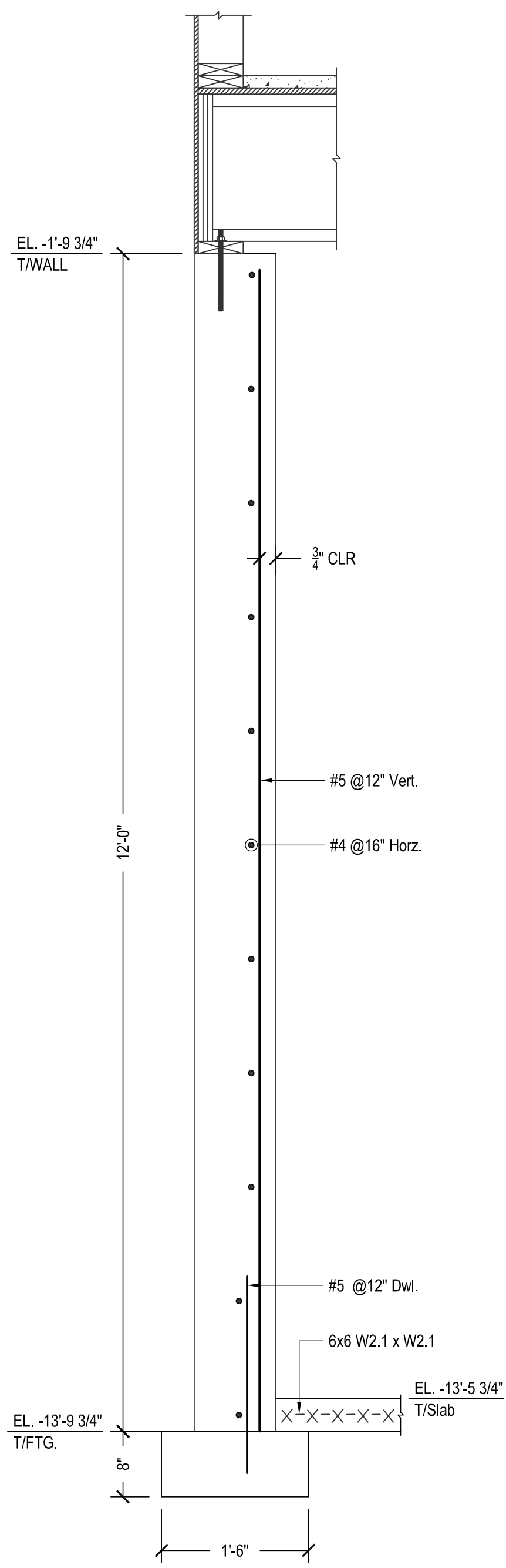
Abbreviations	
Top	T
Bottom	B
Top&Bottom	T&B
Continuous	Cont.
Corner Bar	Cor.
Vertical	Vert.
Horizontal	Horz.
Each Way	EW
Each Face	EF
Inner Face	IF
Outer Face	OF
Each Side	ES
Dowel	Dwl.
Dowel/Vertical	D/V
Top of Wall	T/Wall
Top of FTG.	T/FTG.
Top of Pier	T/Pier
Top of SLAB	T/SLAB

Lap Schedule	
SIZE	3000 PSI (CLASS-A) LAP
#3	18"
#4	24"
#5	34"
#6	40"
#7	55"
#8	70"

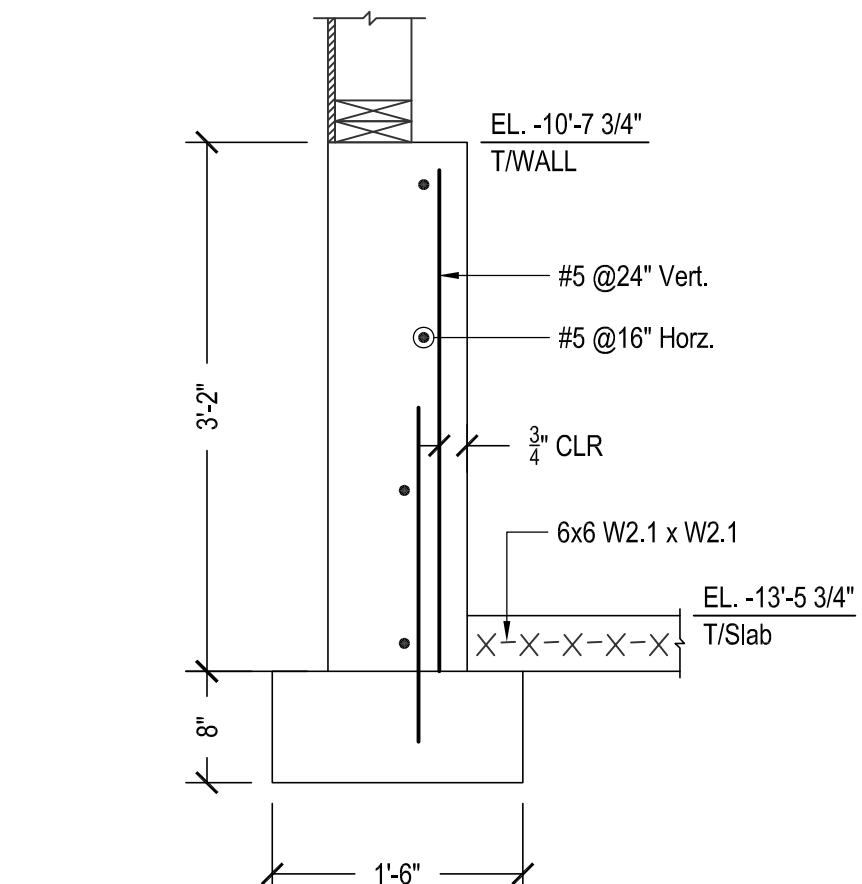
LEGEND:	
FX-X	FOOTING MARK
EL.XX-XX'	TOP OF FOOTING ELEVATION

REBAR TYPE
ASTM 615 GRADE 60

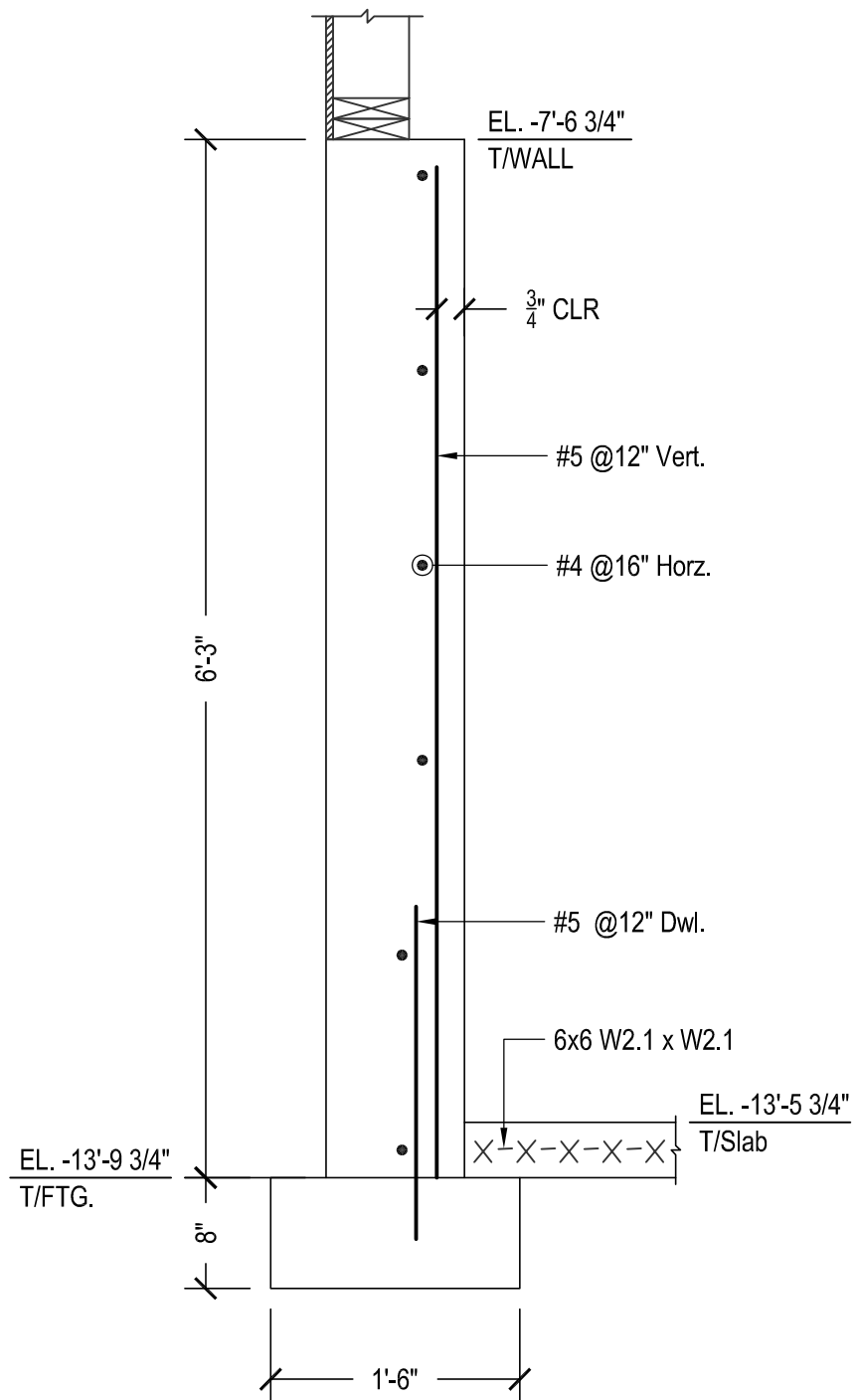
CONCRETE REINFORCING PLACEMENT DRAWING				TITLE FOUNDATION WALL ELEVATION-A TO H REINFORCEMENT DETAILS		PROJECT -		LOCATION -		CUSTOMER -		DRAWN BY -		DATE -		DRAWING NO. F-7		CONTRACT NO. -	
0				06/24/25	FOR APPROVAL	REVISION REMARKS		DATE		BY		REV		NS					



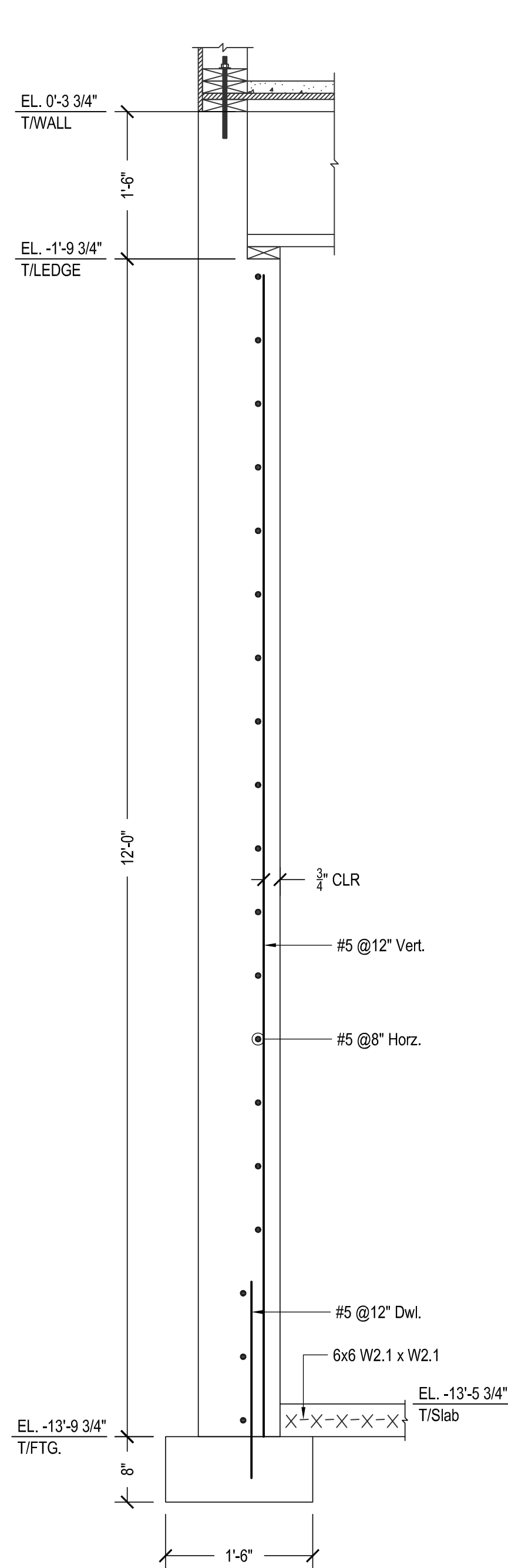
SECTION 1
SCALE: 3/4" = 1'-0"
REF: 8/FD-2



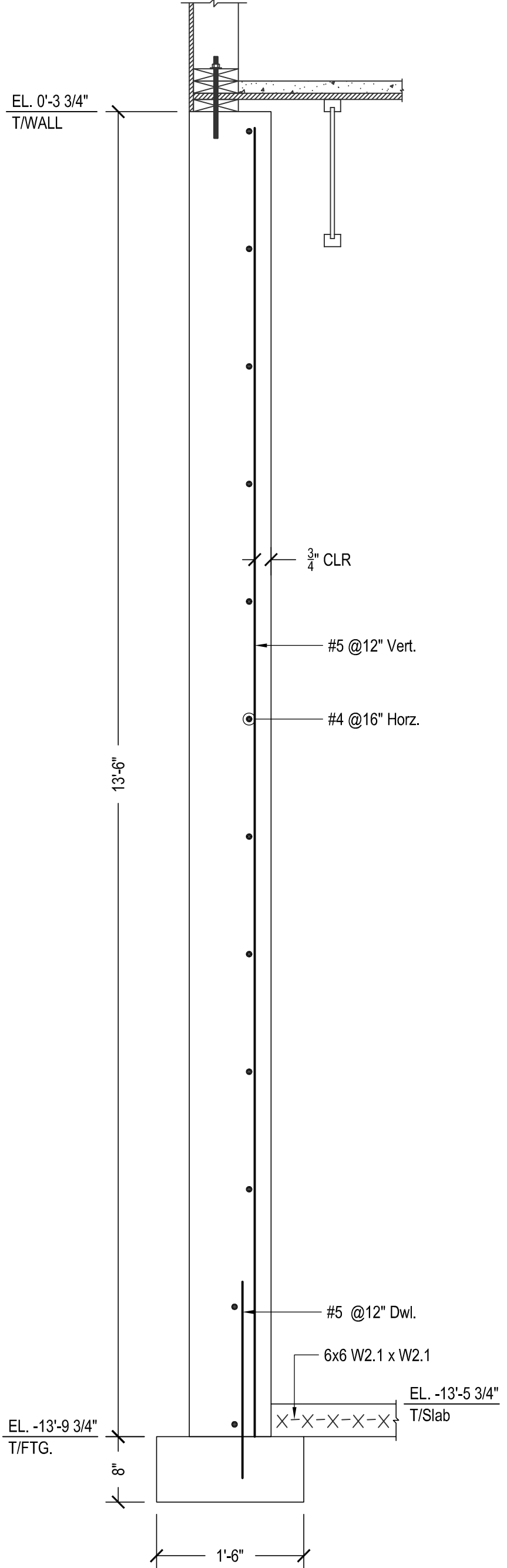
SECTION 3
SCALE: 3/4" = 1'-0"
REF: 5/FD-4



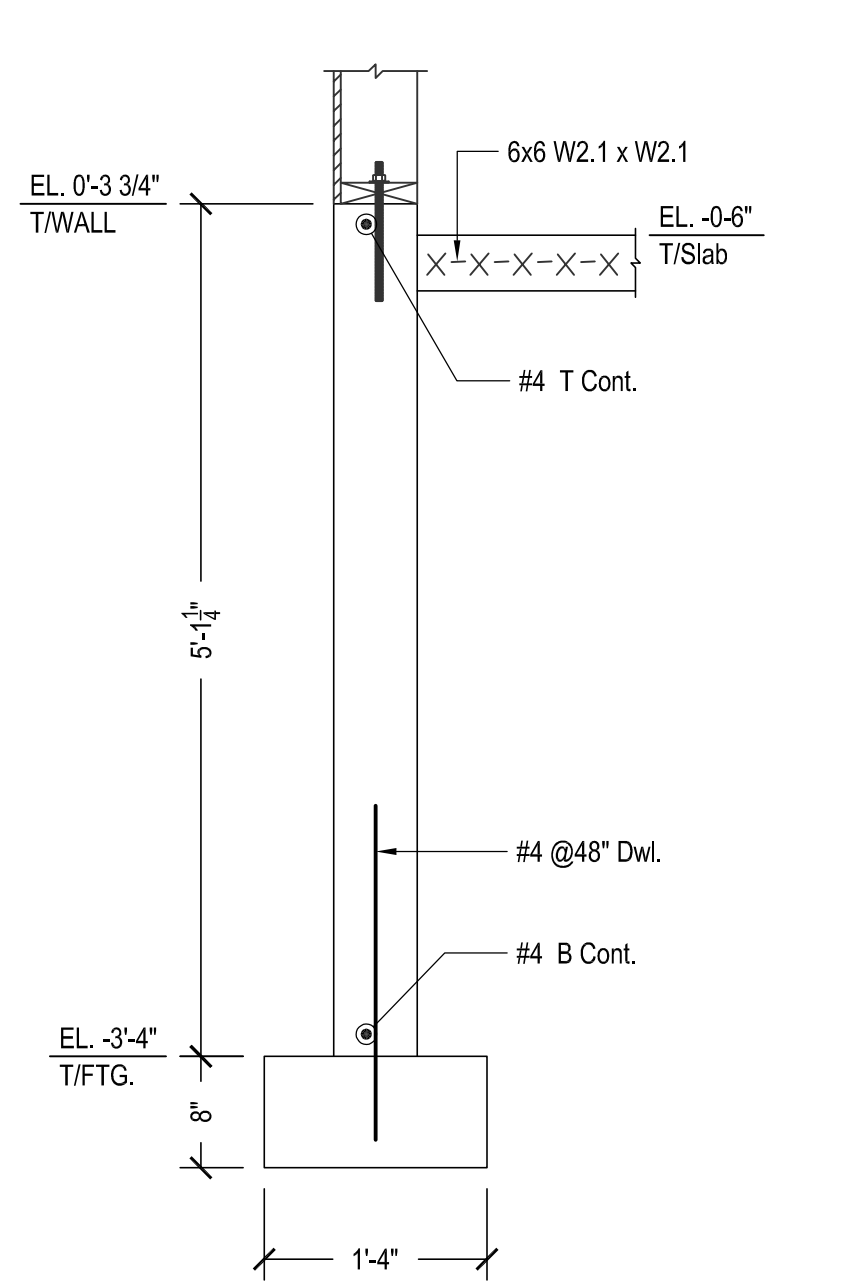
SECTION 2
SCALE: 3/4" = 1'-0"
REF: 6/FD-3



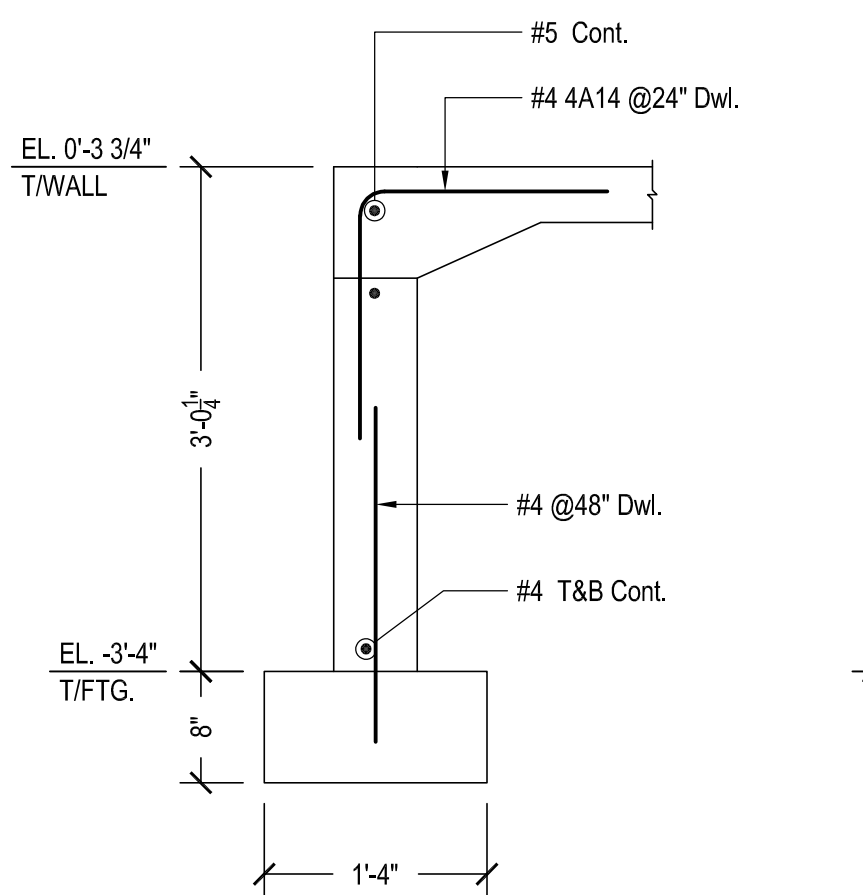
SECTION 4
SCALE: 3/4" = 1'-0"
REF: 2/FD-3



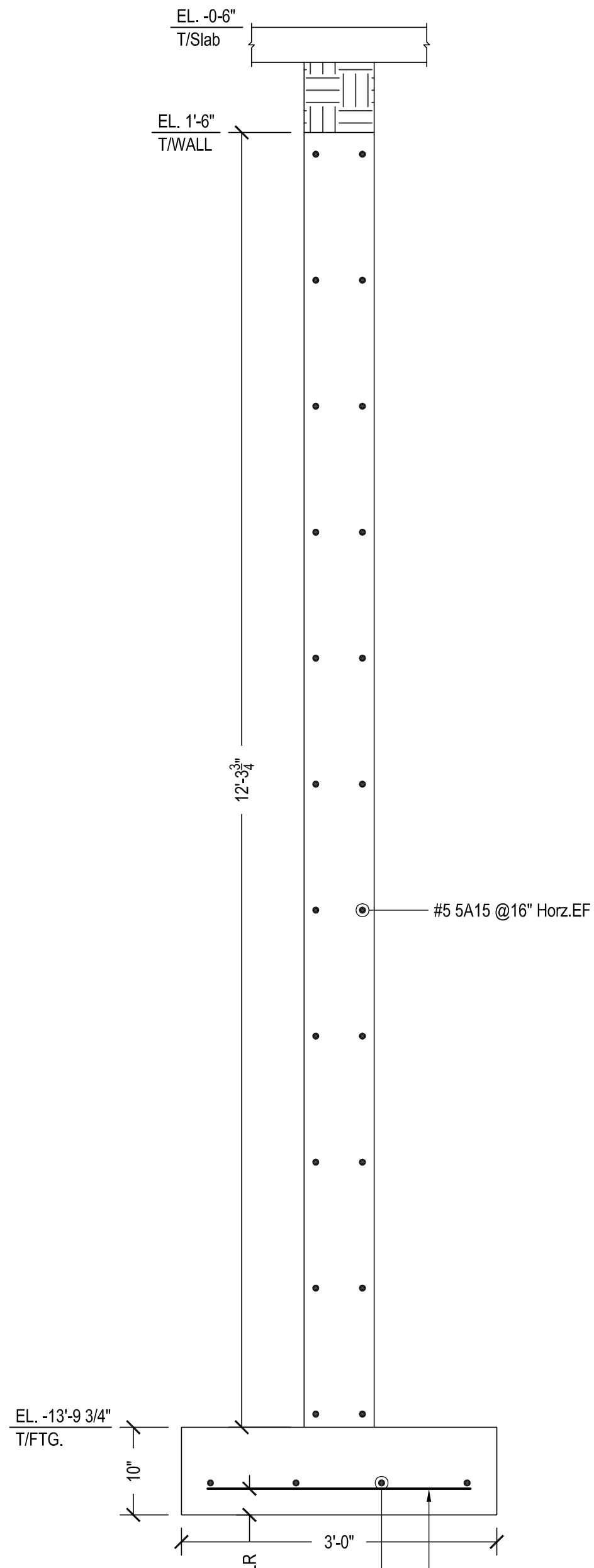
SECTION 5
SCALE: 3/4" = 1'-0"
REF: 3/FD-3



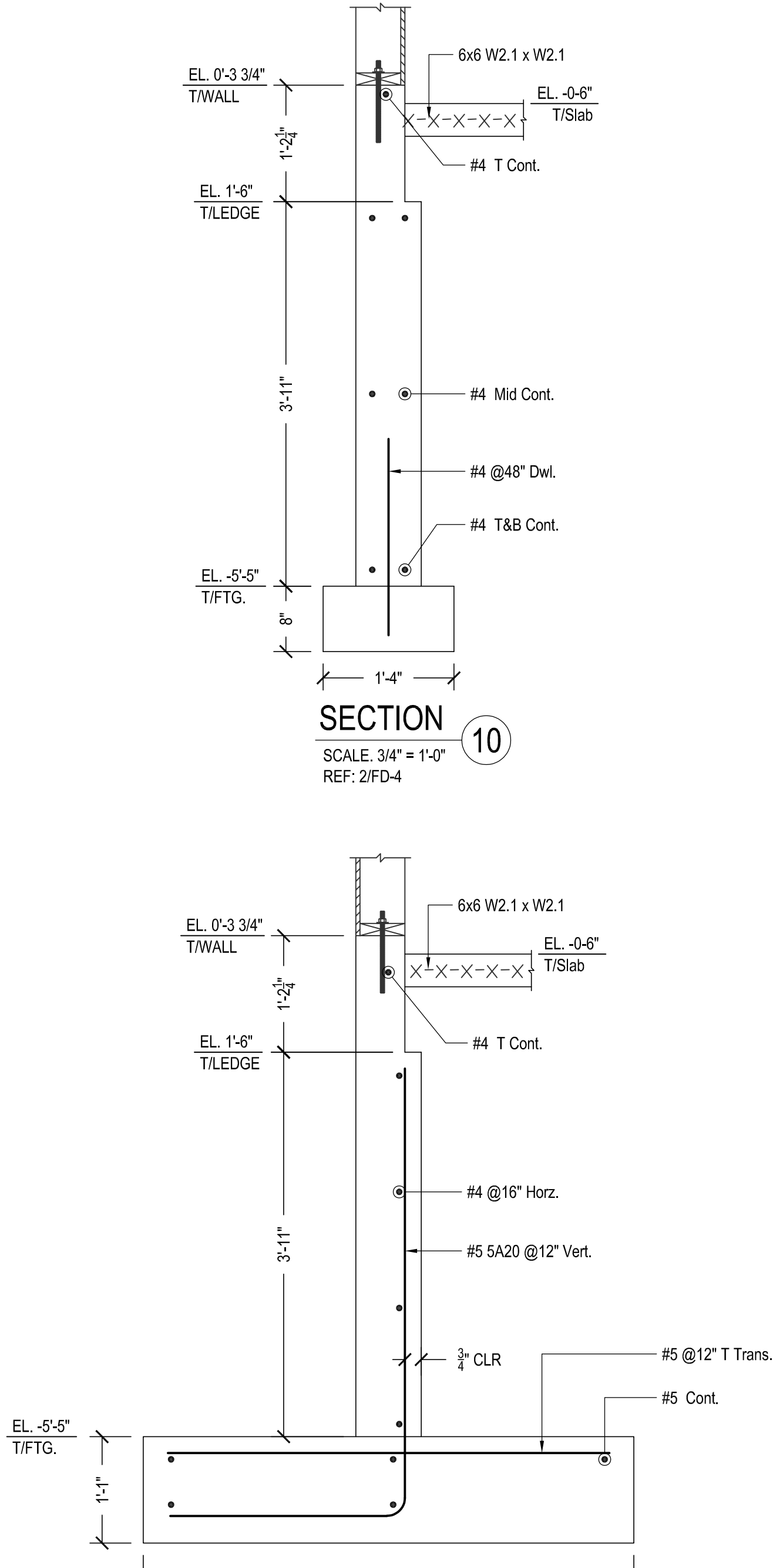
SECTION 8
SCALE: 3/4" = 1'-0"
REF: 5/FD-3



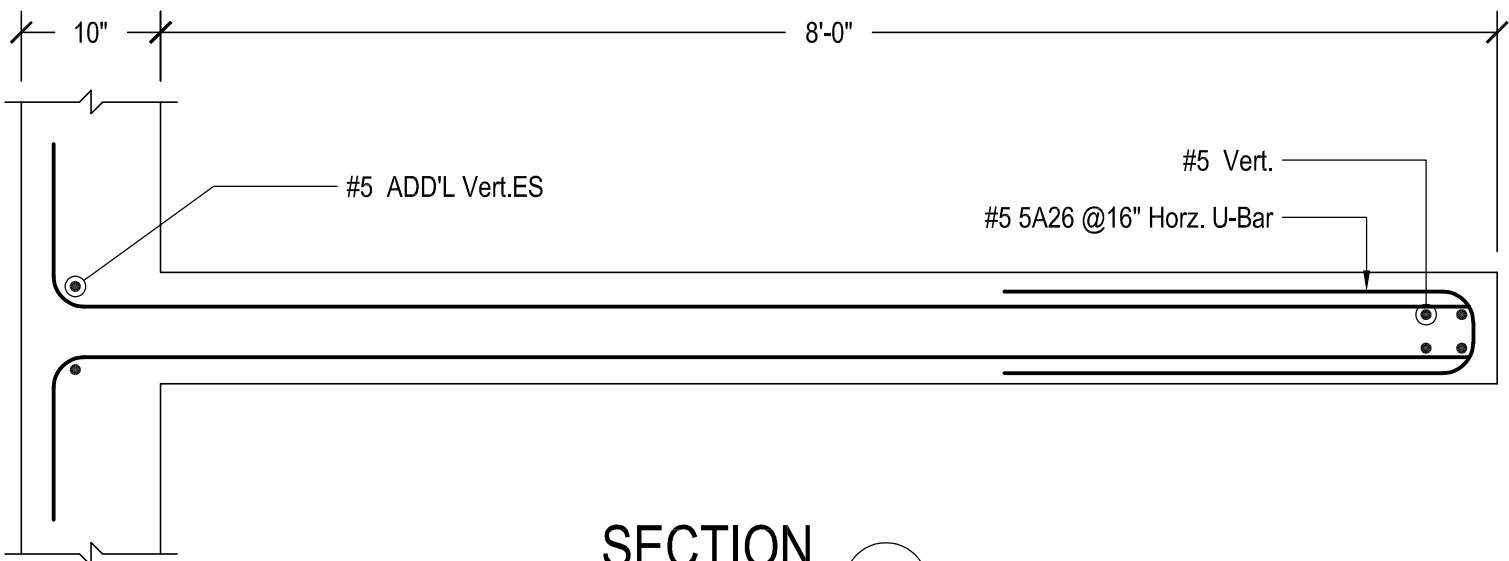
SECTION 6
SCALE: 3/4" = 1'-0"
REF: 5/FD-3



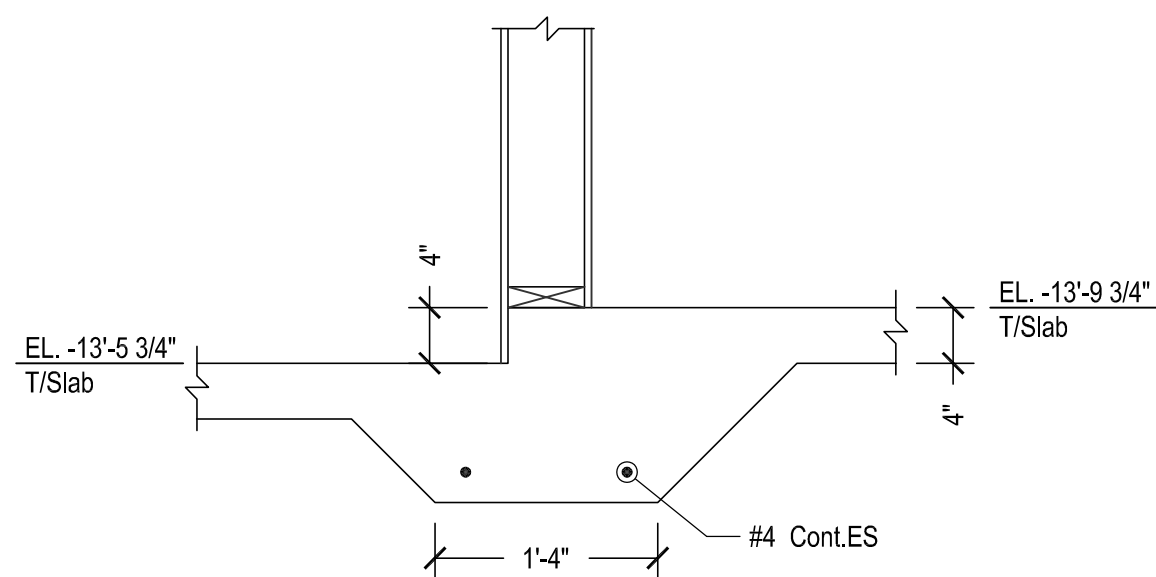
SECTION 7
SCALE: 3/4" = 1'-0"



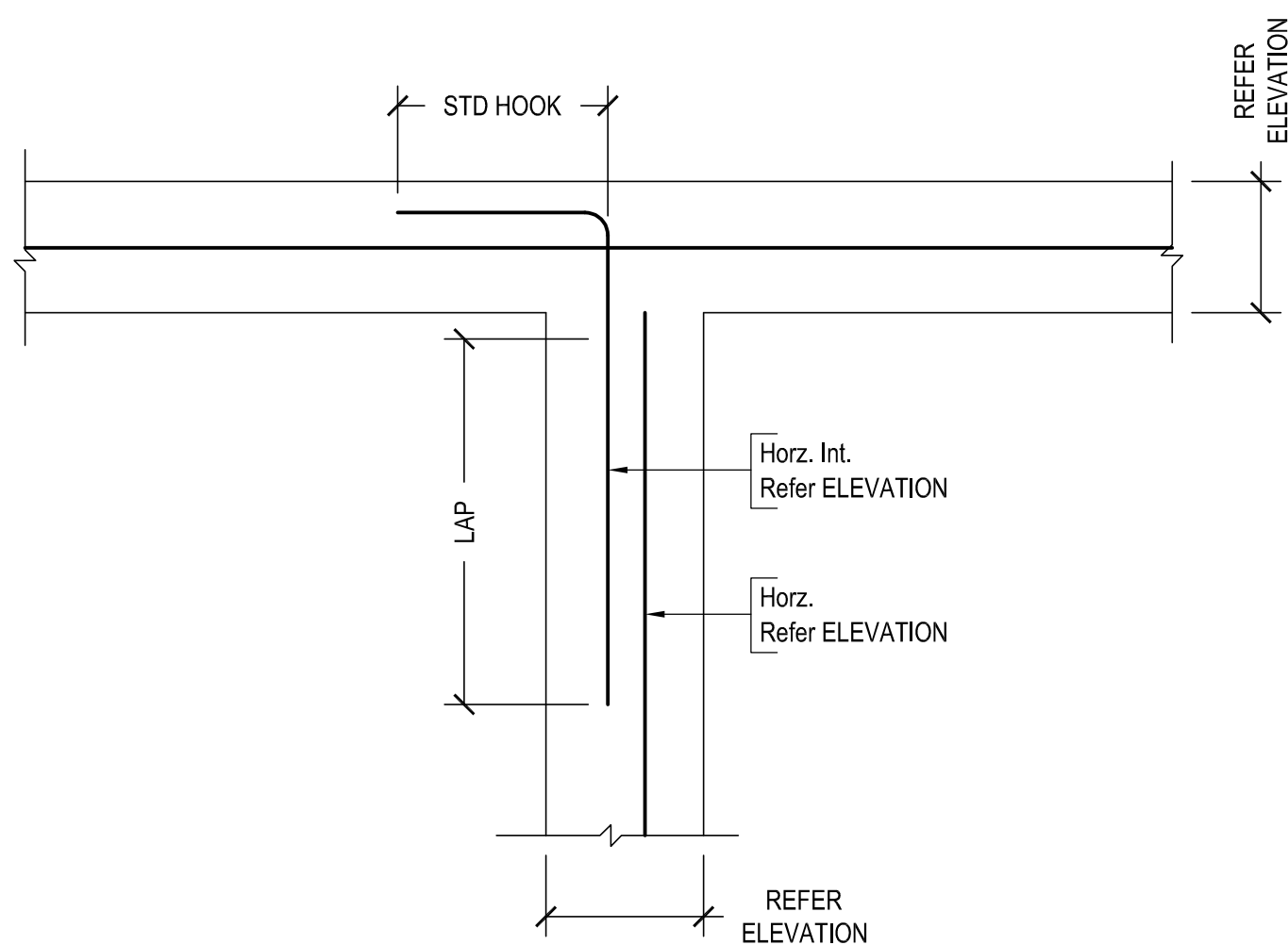
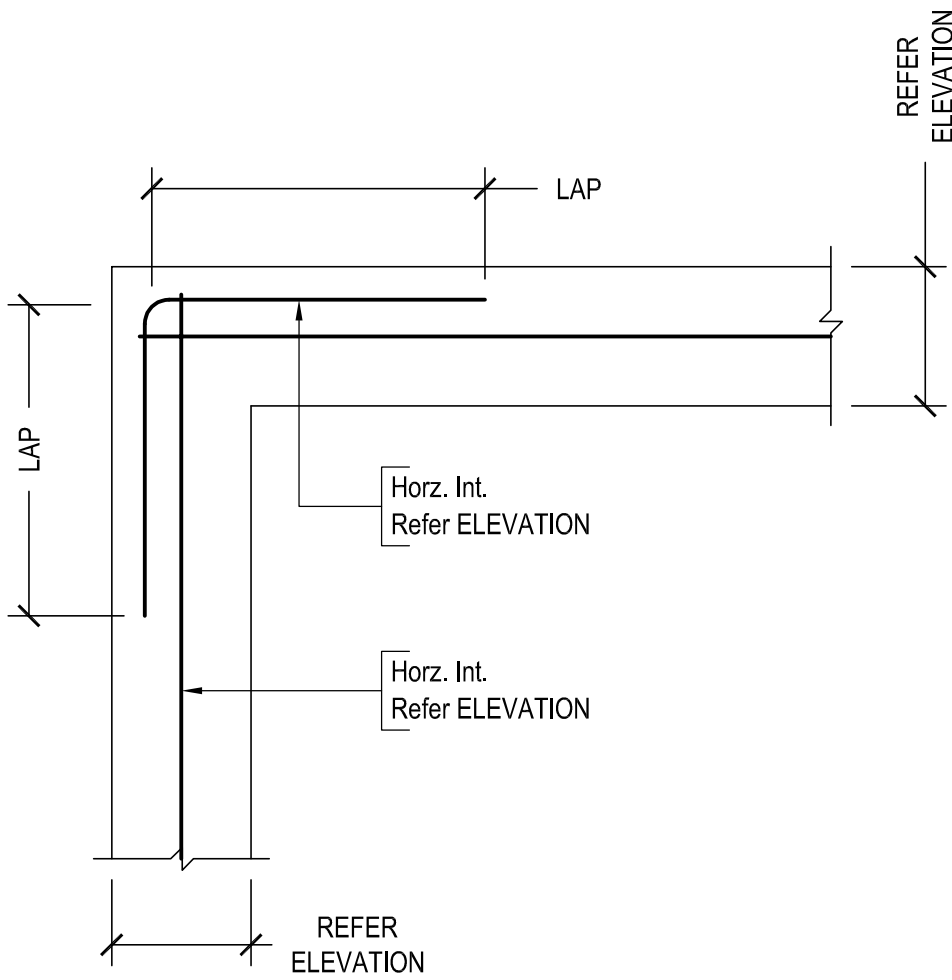
SECTION 9
SCALE: 3/4" = 1'-0"
REF: 3/FD-4



SECTION 11
SCALE: 3/4" = 1'-0"
REF: 2/FD-5



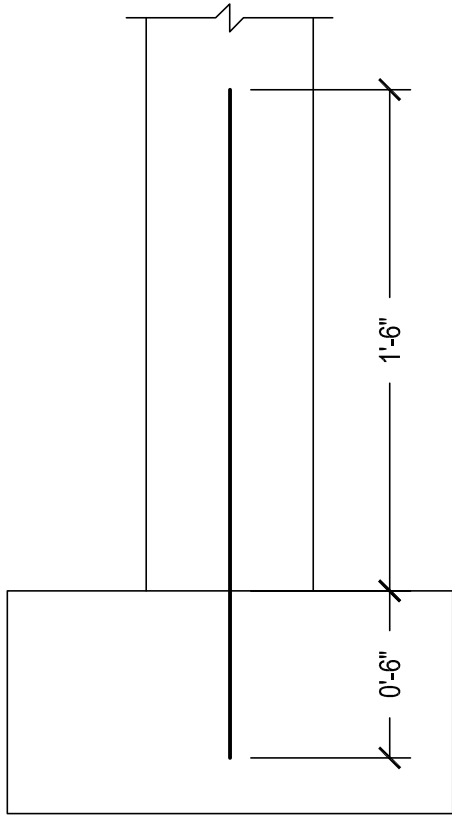
SECTION 12
Scale: 1/2" = 1'-0"
REF: 4/FD-3



SINGLE MAT

TYPICAL WALL CORNER & INTERSECTION DETAILS

SCALE: 3/4" = 1'-0"
REF: 1 & 2 / FD-2



TYPICAL WALL TO FOOTING DOWEL INSTALLATION

SCALE: 3/4" = 1'-0"
REF: 5 / FD-2

CONCRETE REINFORCING PLACEMENT DRAWING																													
TITLE FOUNDATION WALL ELEVATION-A TO H REINFORCEMENT DETAILS																													
PROJECT _____																													
LOCATION _____																													
CUSTOMER _____																													
DRAWN BY _____										DATE _____																			
DRAWING NO. F-8																													
CONTRACT NO. -																													