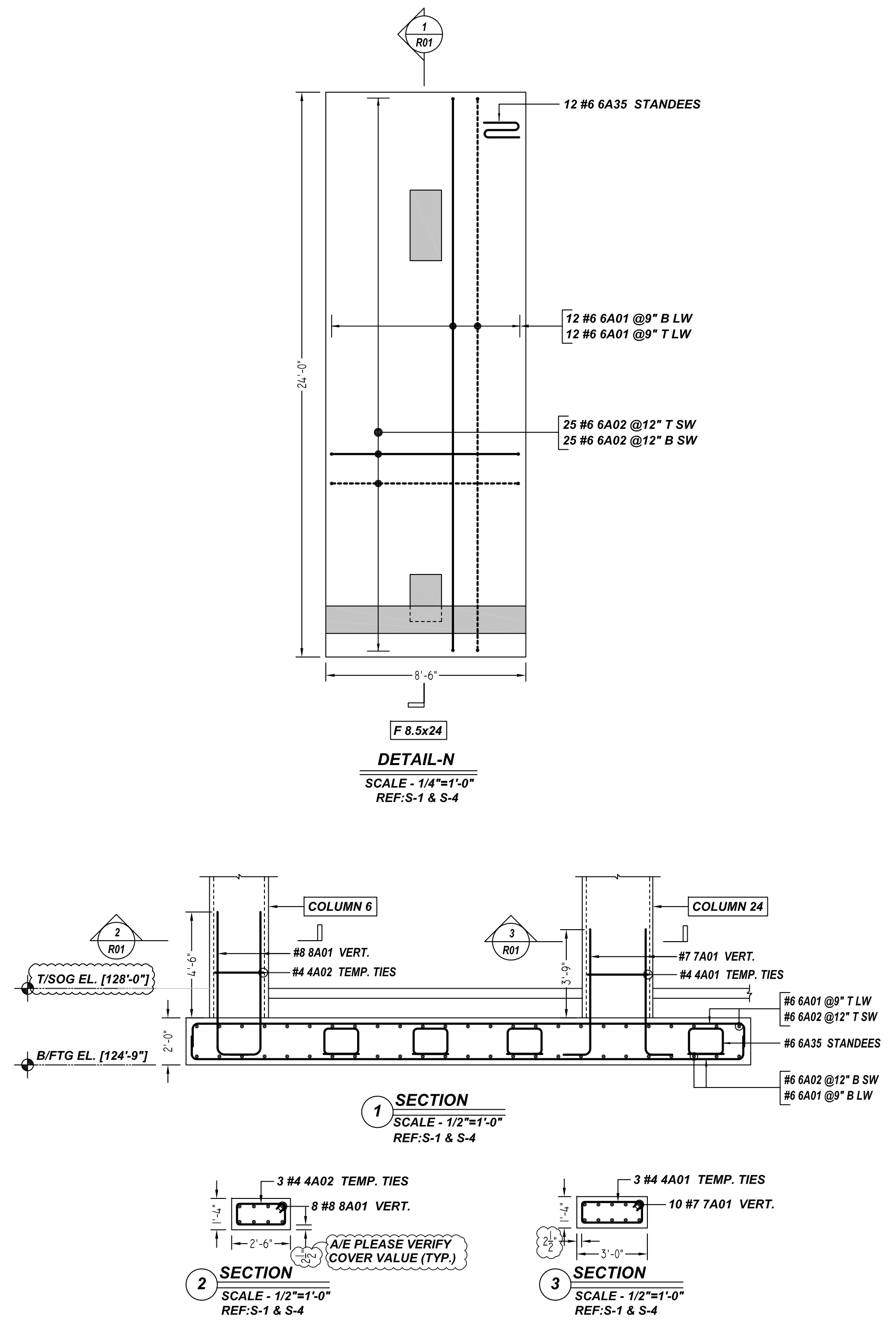
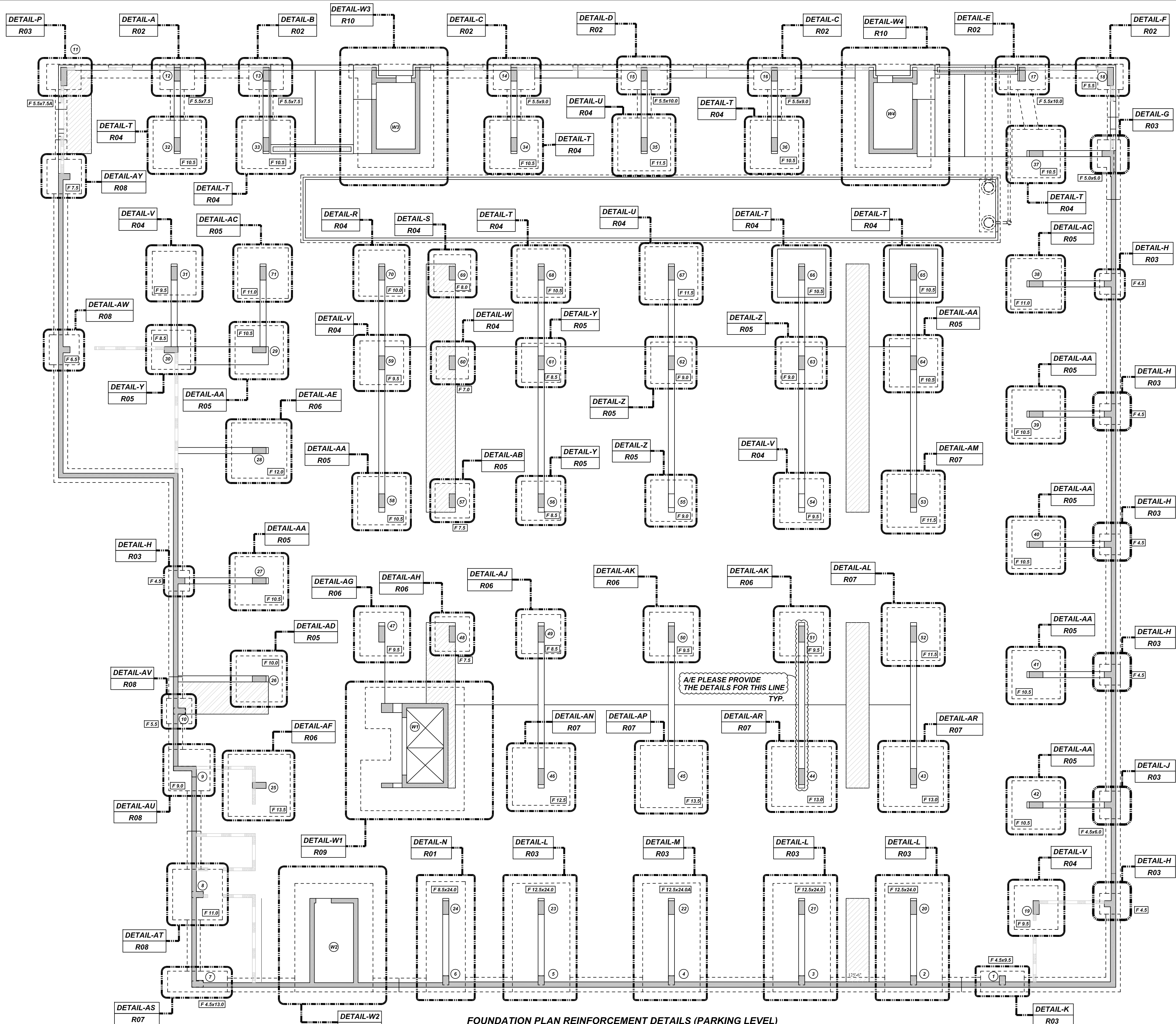


NOTICE
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REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.

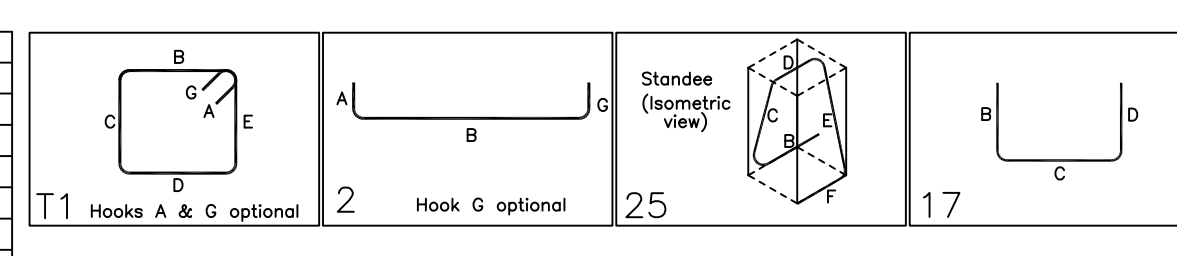


A/E PLEASE PROVIDE THE DETAILS FOR THIS LINE TYP.

A/E PLEASE VERIFY COVER VALUE (TYP.)

Rebar List

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	W'	V'	U'	T'	S'	R'	Q'	P'	O'	N'	M'	L'	K'	J'	I'	H'	G'	F'	E'	D'	C'	B'	A'		
4A01	3	#4	7'-9"	T1	0'-4"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	2'-7"	0'-11"	
4A02	3	#4	6'-9"	T1	0'-4"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	2'-1"	0'-11"	
6A01	24	#6	25'-6"	2	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"	1'-0"	23'-6"
6A02	50	#6	10'-0"	2	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"	1'-0"	8'-0"
6A35	10	#6	7'-3 1/2"	25	1'-0"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"
7A01	10	#7	6'-4 1/2"	17	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"	1'-2"	5'-4 1/2"
8A01	8	#8	7'-5 1/2"	17	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"	1'-4"	6'-1"



FOR COLUMN

LAP SCHEDULE

SIZE	5000 PSI	OTHERS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	50"	39"
#8	57"	45"
#9	64"	51"
#10	71"	57"
#11	78"	63"

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
FOOTING BOT. & SIDE	3" CLR
FOOTING TOP	2" CLR
WALL BELOW GL	2" CLR
WALL ABOVE GL	1 1/2" CLR

ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3 24"	#3 19"
#4 32"	#4 25"
#5 40"	#5 31"
#6 48"	#6 37"
#7 70"	#7 54"
#8 80"	#8 62"
#9 91"	#9 70"
#10 102"	#10 79"
#11 113"	#11 87"
#14	#14

ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
		Imperial	Soft Metric
ADD.	= Additional	#3	#10
B.O.W.	= Bottom of wall	#4	#13
C.B.	= Corner Bars	#5	#16
DIAG.	= Diagonal	#6	#19
D.O.	= Door Opening	#7	#22
D.W.L.	= Dowels	#8	#25
E.F.	= Each Face	#9	#29
E.S.	= Each Side	#10	#32
E.W.	= Each Way	#11	#36
FTG.	= Footing		
F.F.	= Far Face		
HORIZ.	= Horizontal		
I.F.	= Inside Face		
INTERS.	= Intersection		
L.W.	= Long Way		
N.F.	= Near Face		
O.F.	= Outside Face		
S.W.	= Short Way		
T&B	= Top & Bottom		
T.O.W.	= Top of Wall		
Trans.	= Transverse		
VERT.	= Vertical		

44-IRVINE TURRNER BLVD
 FOUNDATION REINFORCEMENT DETAILS
 NEWARD, NEW JERSEY

CUSTOMER: JOE MAGGIO
 DESIGNER: DHNS ENGINEERING

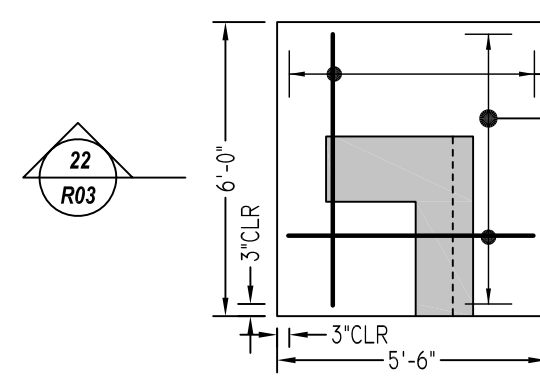
REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	09.13.21					

RS/MET	DATE	JOB NO	SHEET NO.
	09.13.21	M921P997	R01

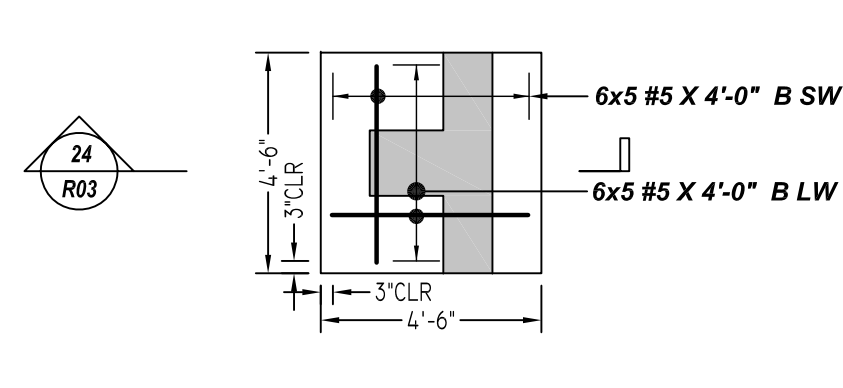
NOTICE

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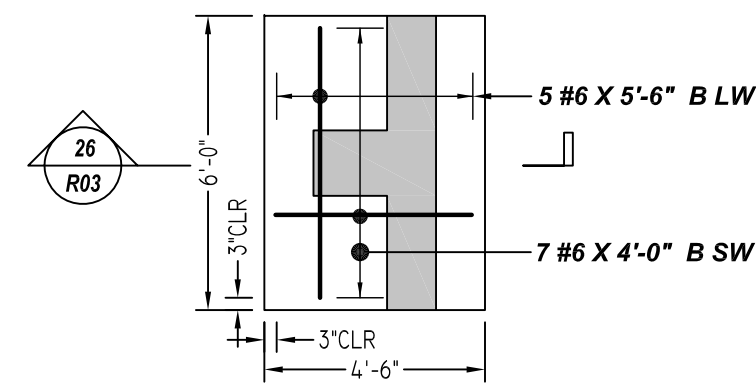
REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.



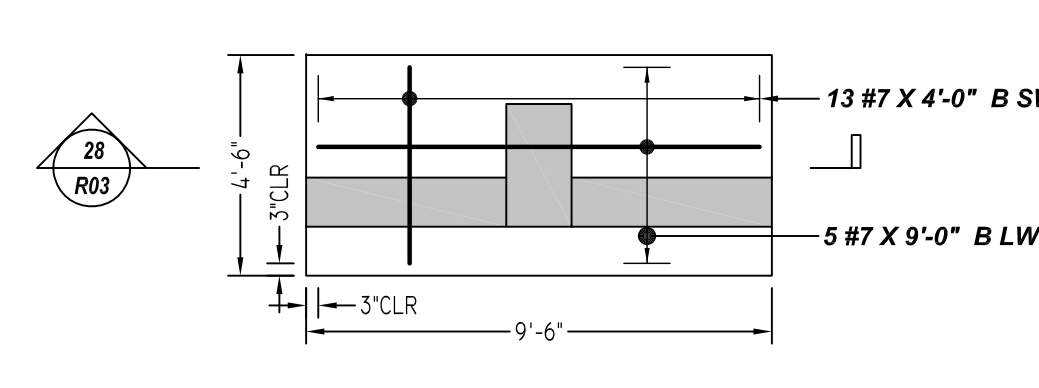
F 5.5x6.0
DETAIL-G
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



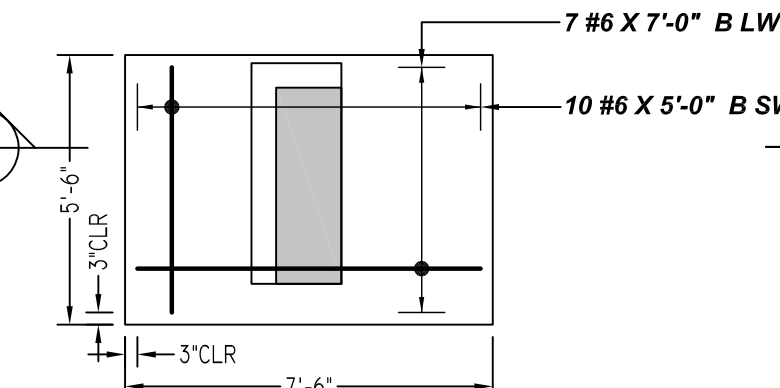
F 4.5
(6-LOCATIONS)
DETAIL-H
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



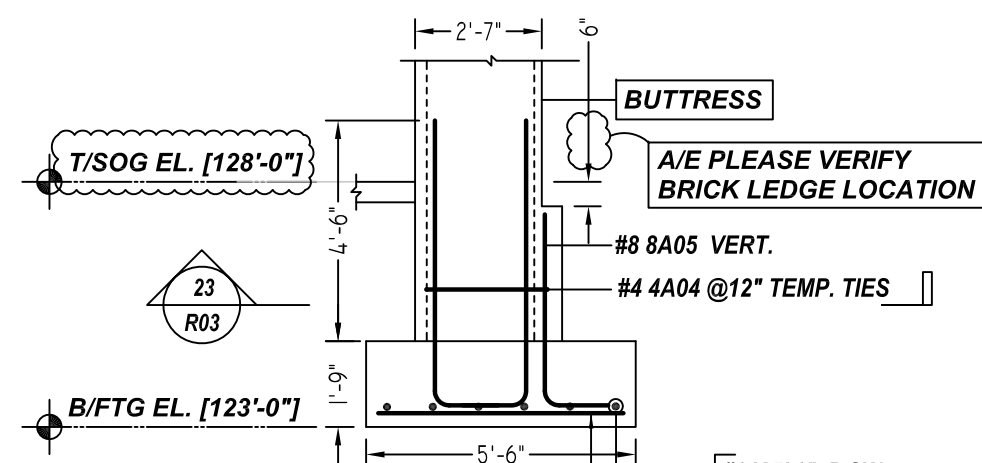
F 4.5x6.0
DETAIL-J
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



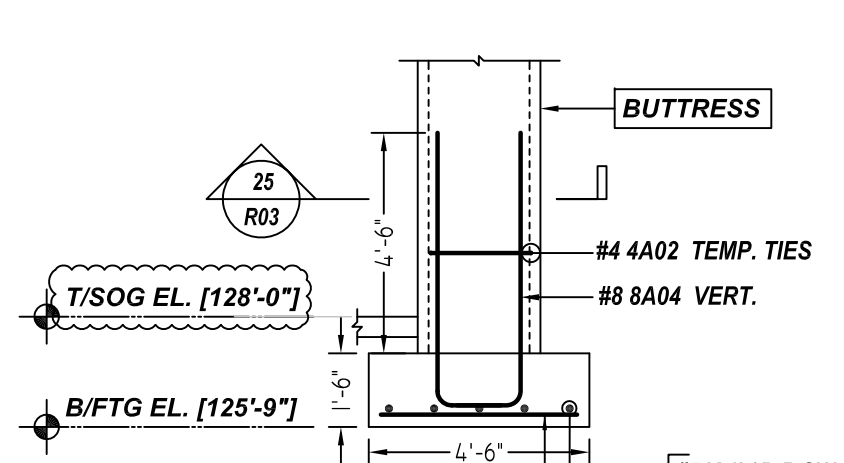
F 4.5x9.0
DETAIL-K
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



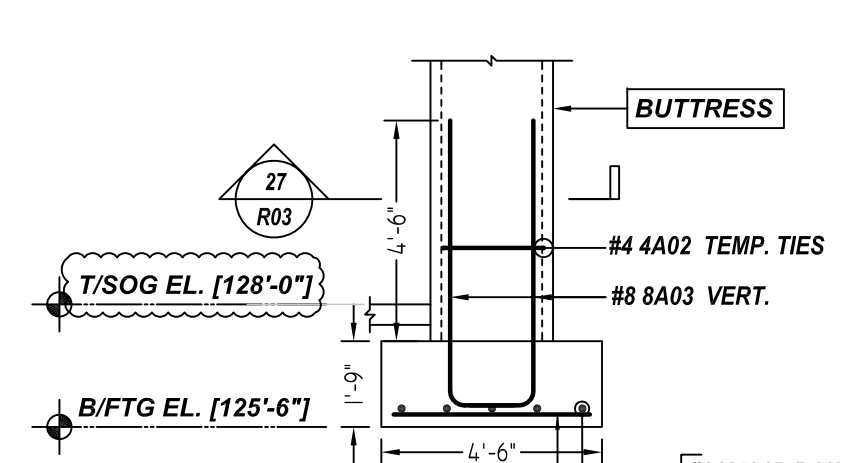
F 5.5x7.5A
DETAIL-P
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



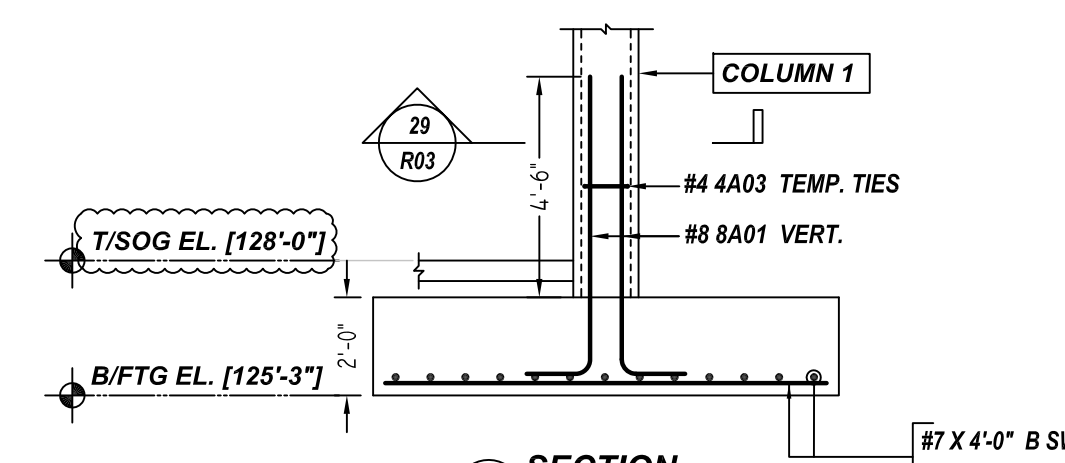
SECTION 22
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



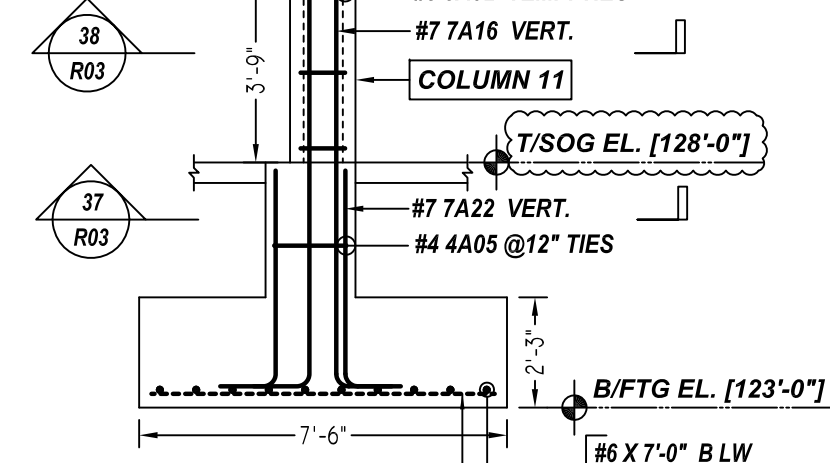
SECTION 24
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



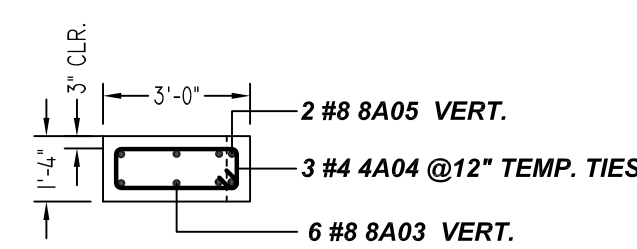
SECTION 26
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



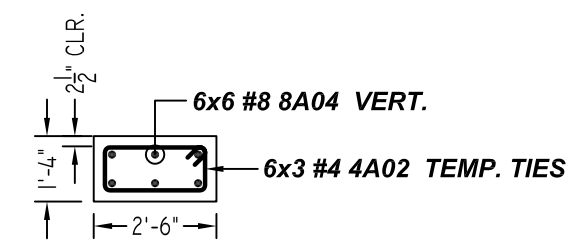
SECTION 28
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



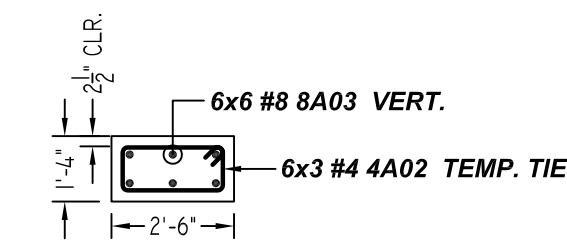
SECTION 36
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



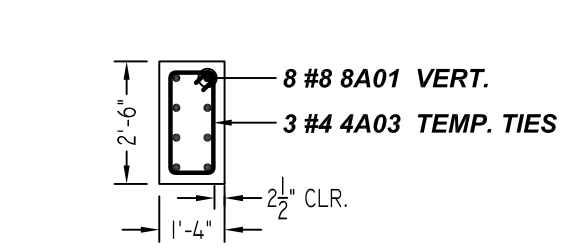
SECTION 23
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



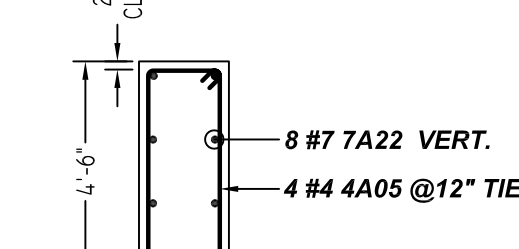
SECTION 25
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



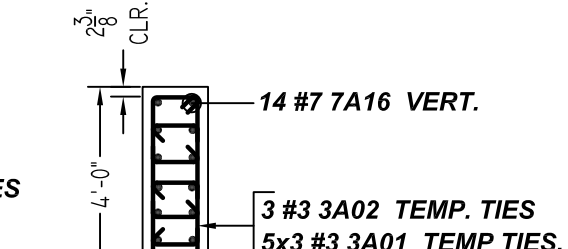
SECTION 27
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



SECTION 29
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



SECTION 37
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



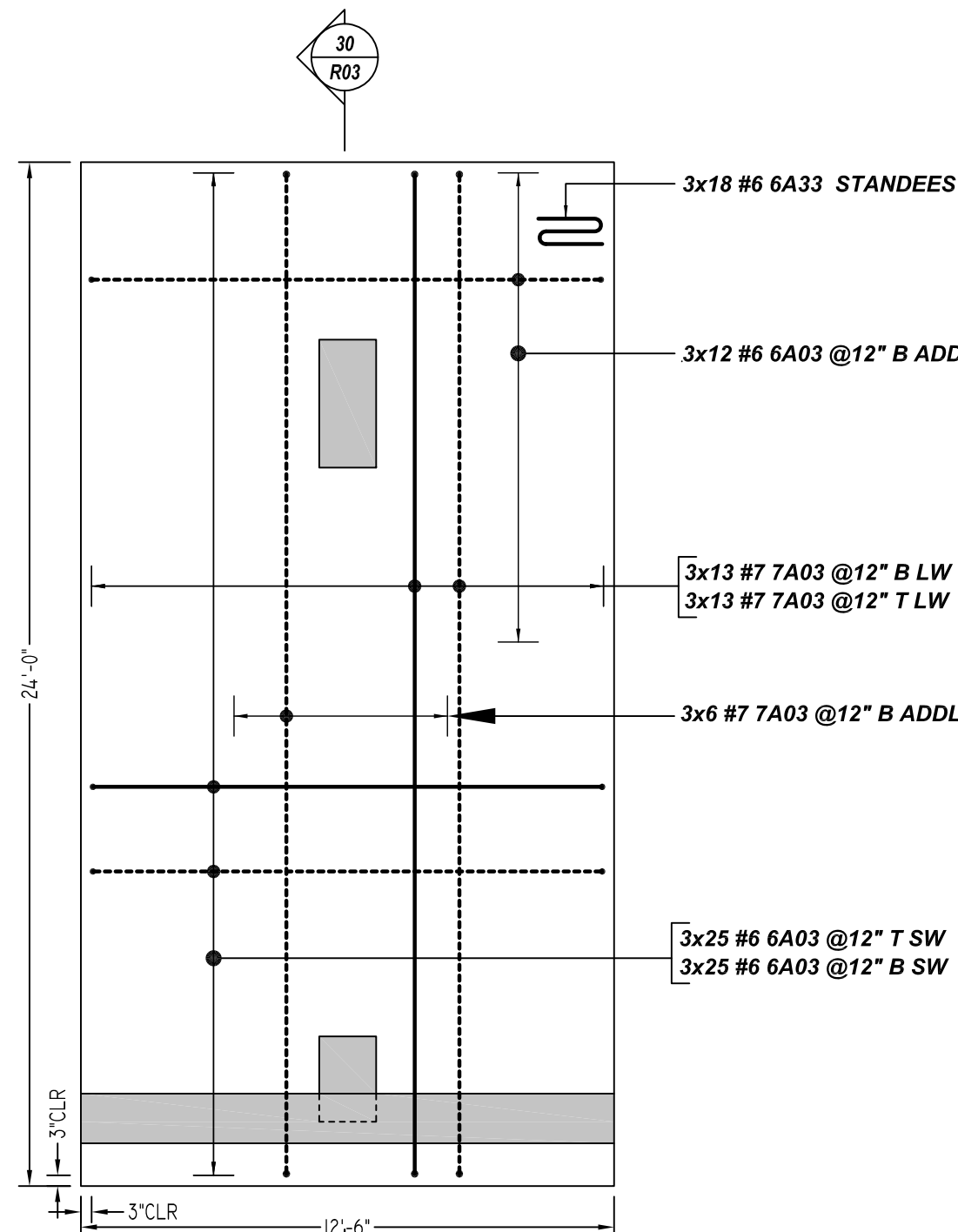
SECTION 38
SCALE - 1/2"=1'-0"
REF: S-1 & S-4

FOR COLUMN

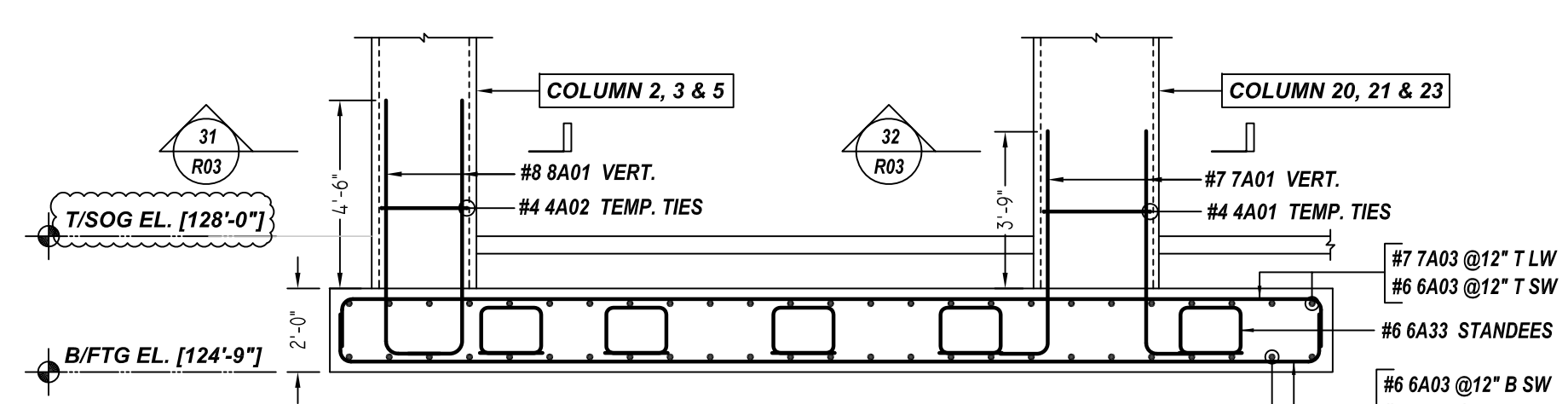
SIZE	5000 PSI	
	TOP	OTHERS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	63"	49"
#8	72"	55"
#9	81"	63"
#10	91"	70"
#11	101"	78"

LOCATION	MIN. COVER
FOOTING BOT. & SIDE	3" CLR
FOOTING TOP	2" CLR
WALL BELOW GL	2" CLR
WALL ABOVE GL	1 1/2" CLR

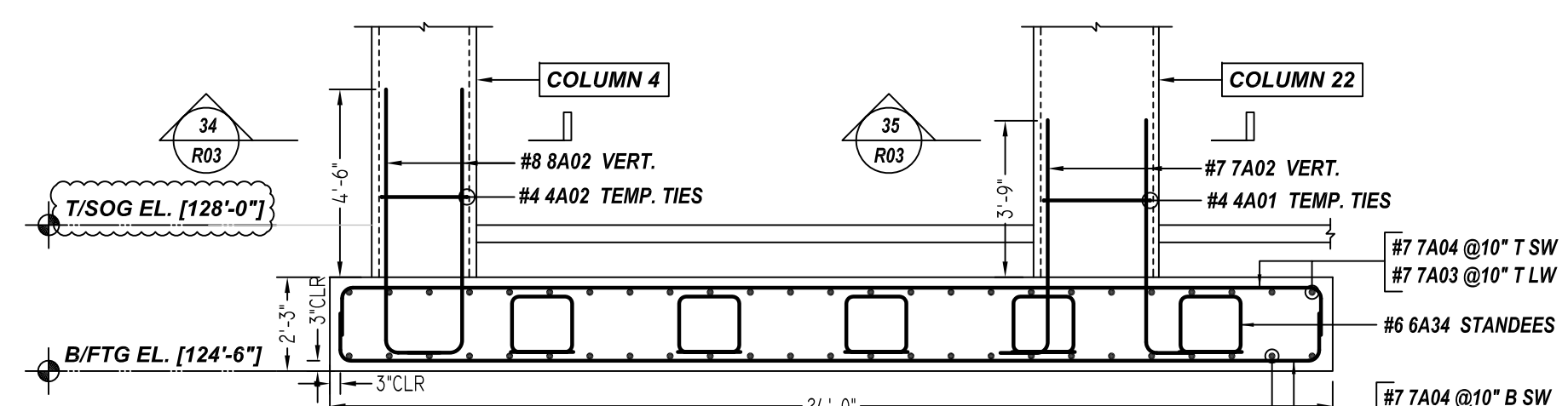
ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED



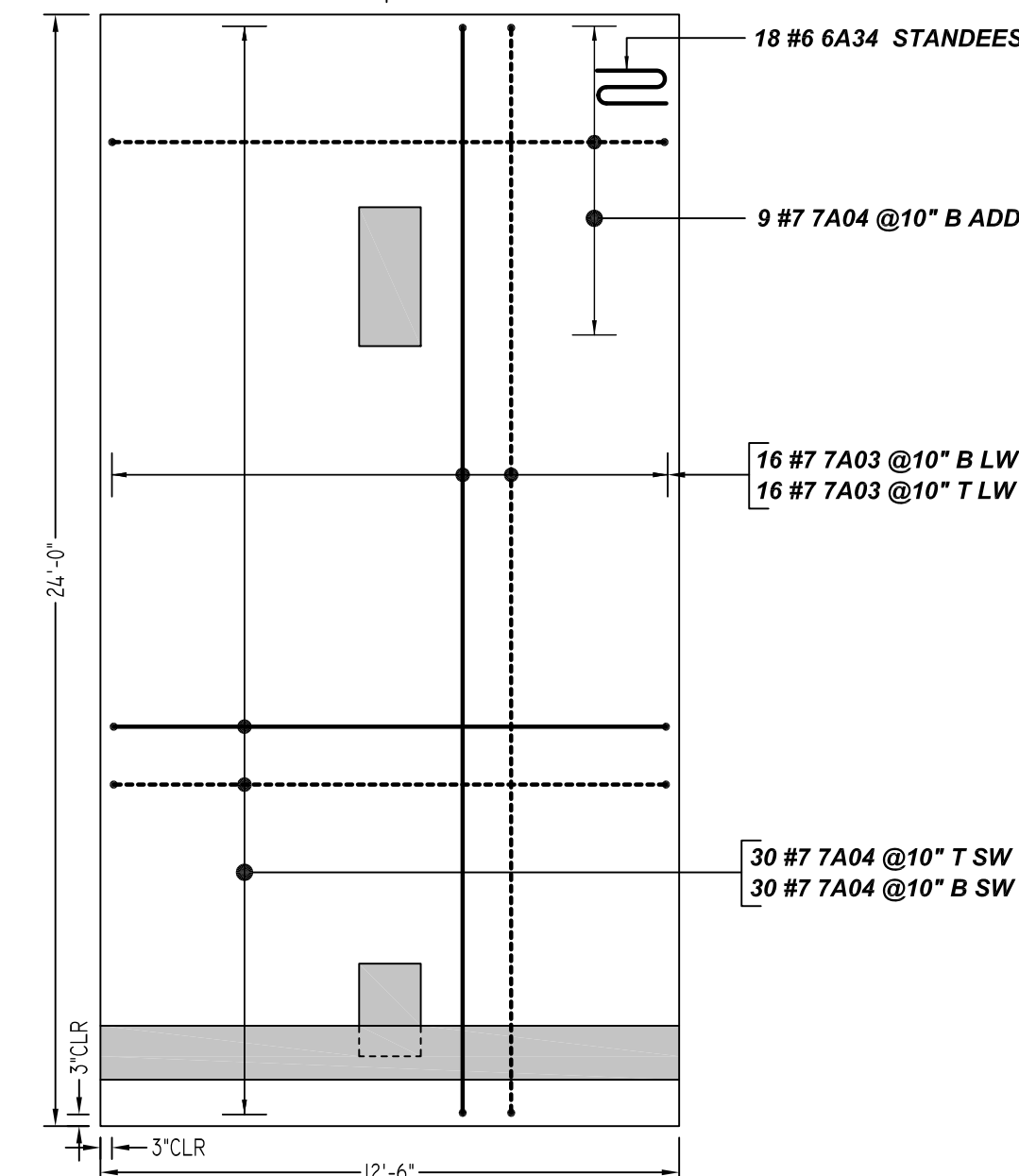
F 12.5x24
(3-LOCATIONS)
DETAIL-L
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



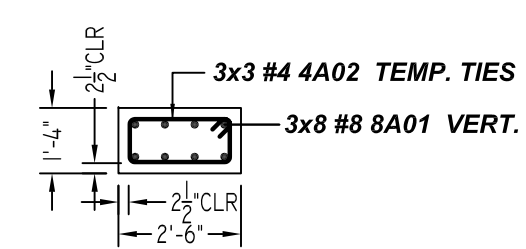
SECTION 30
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



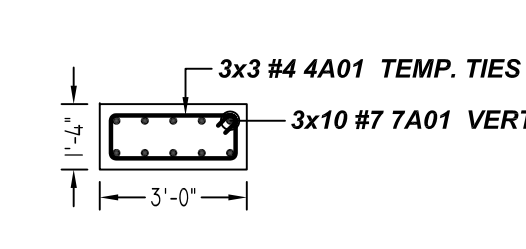
SECTION 33
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



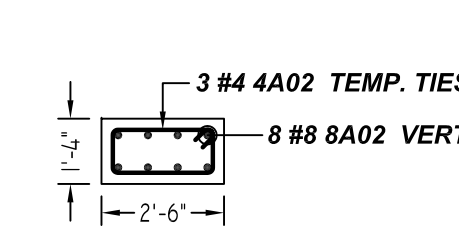
F 12.5x24A
DETAIL-M
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



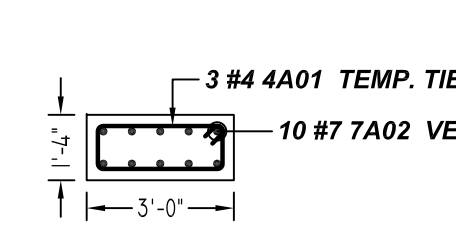
SECTION 31
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



SECTION 32
SCALE - 1/2"=1'-0"
REF: S-1 & S-4

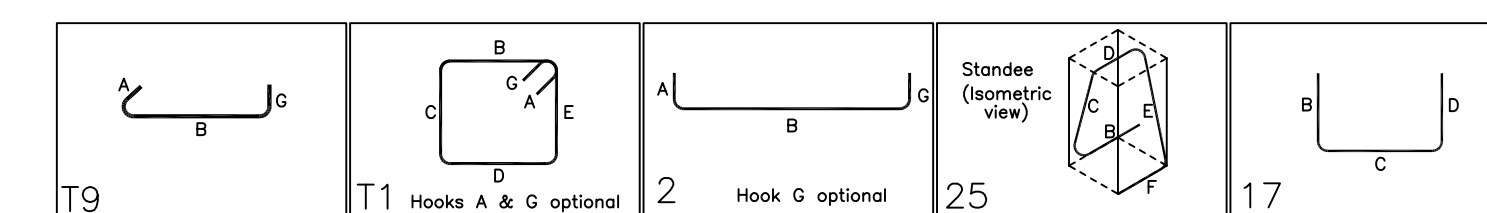


SECTION 34
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



SECTION 35
SCALE - 1/2"=1'-0"
REF: S-1 & S-4

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	W'	V'	U'	T'	S'	R'	Q'	P'	O'	N'	M'	L'	K'	J'	I'	H'	G'	F'	E'	D'	C'	B'	A'		
3A01	15	#3	1'-7 1/2"	T9	0'-4 1/2"	0'-11 1/2"																										
3A02	3	#3	0'-9 3/4"	T1	0'-4 1/2"	0'-11 1/2"																										
4A01	12	#4	2'-7"	T1	0'-4 1/2"	2'-7"																										
4A02	48	#4	6'-9"	T1	0'-4 1/2"	2'-11"																										
4A03	3	#4	6'-9"	T1	0'-4 1/2"	0'-11"																										
4A04	3	#4	7'-5"	T1	0'-4 1/2"	0'-10"																										
4A05	4	#4	12'-1"	T1	0'-4 1/2"	1'-6"																										
6A03	186	#6	14'-0"	T2	1'-6"	12'-0"																										
6A33	34	#6	7'-2"	T5	1'-6"	1'-4"																										
6A34	18	#6	7'-5"	T5	1'-4"	1'-6"																										
7A01	30	#7	5'-6 1/2"	T7	1'-2"	5'-4 1/2"																										
7A02	10	#7	5'-9 1/2"	T7	1'-2"	5'-7 1/2"																										
7A03	128	#7	25'-10"	T2	1'-3"	25'-6"																										
7A04	68	#7	14'-4"	T2	1'-2"	12'-0"																										
7A16	14	#7	9'-6 1/2"	T7	1'-2"	8'-4 1/2"																										
7A22	8	#7	5'-7"	T7	1'-2"	4'-5"																										
8A01	30	#8	7'-5"	T7	1'-4"	6'-1"																										
8A02	8	#8	7'-5"	T7	1'-4"	6'-4"																										
8A03	42	#8	7'-2"	T7	1'-4"	5'-10"																										
8A04	36	#8	6'-11"	T7	1'-4"	5'-7"																										
8A05	2	#8	5'-3"	T7	1'-4"	3'-11"																										



REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO		ADD. = Additional		Imperial	
TOP BARS	OTHER BARS	B.O.W. = Bottom of wall	C.B. = Corner Bars	Soft Metric	
#3 24"	#3 19"	DIAG. = Diagonal	D.O. = Door Opening	#3	#10
#4 32"	#4 25"	DWLS. = Dowels	E.F. = Each Face	#4	#13
#5 40"	#5 31"	E.S. = Each Side	E.W. = Each Way	#5	#16
#6 48"	#6 37"	FTG. = Footing	F.F. = Far Face	#6	#19
#7 70"	#7 54"	HORIZ. = Horizontal	I.F. = Inside Face	#7	#22
#8 80"	#8 62"	INTERS. = Intersection	L.W. = long Way	#8	#25
#9 91"	#9 70"	N.F. = Near Face	O.F. = Outside Face	#9	#29
#10 102"	#10 79"	S.W. = Short Way	T&B = Top & Bottom	#10	#32
#11 113"	#11 87"	T.O.W. = Top of Wall	Trans. = Transverse	#11	#36
#14	#14	VERT. = Vertical			

44-IRVINE TURRNER BLVD
FOUNDATION REINFORCEMENT DETAILS
NEWARD, NEW JERSEY

CUSTOMER: JOE MAGGIO
DESIGNER: DHNS ENGINEERING

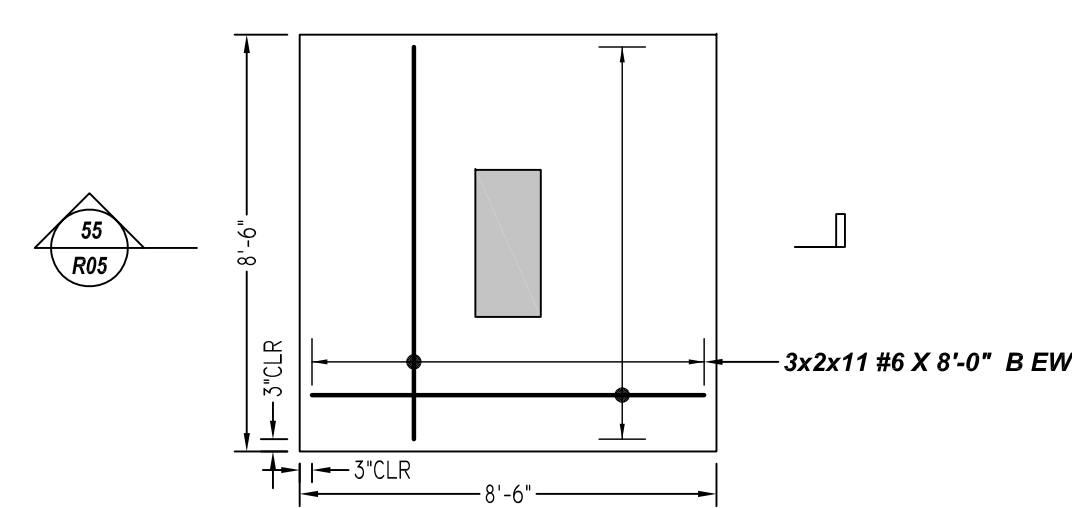
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	09.11.21				

RS/MET	DATE	JOB NO	SHEET NO.
	09.13.21	M921P997	R03

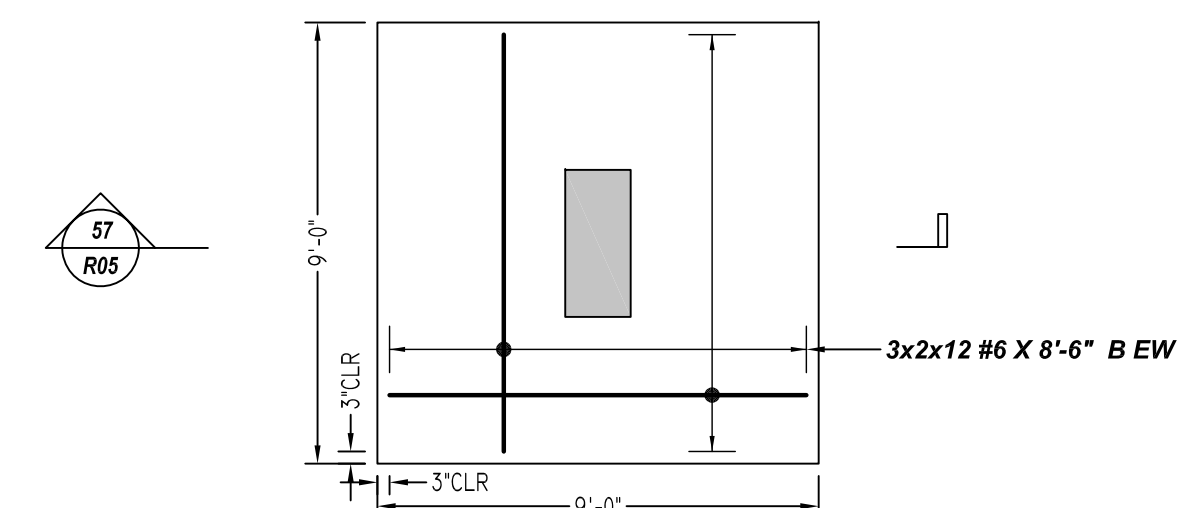
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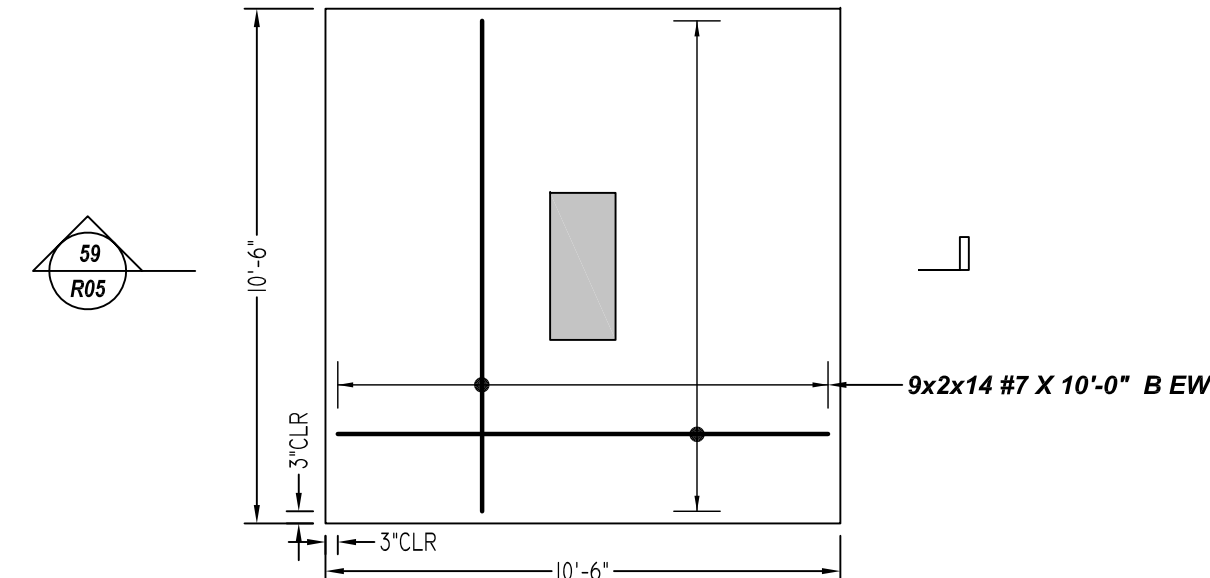
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F 8.5
DETAIL-Y
SCALE - 1/4"=1'-0"
REF: S-1 & S-4
(@ 3 LOCATIONS)

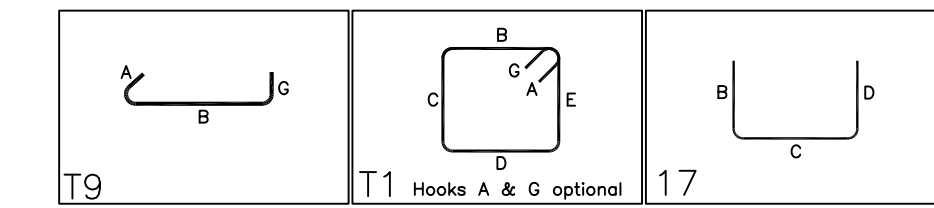


F 9.0
DETAIL-Z
SCALE - 1/4"=1'-0"
REF: S-1 & S-4
(@ 3 LOCATIONS)



F 10.5
DETAIL-AA
SCALE - 1/4"=1'-0"
REF: S-1 & S-4
(@ 9 LOCATIONS)

Bar Work	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
3A01	17	#3	1'-7 1/2"	T9	0'-4 1/2"	0'-11 1/2"																								
3A03	57	#3	7'-9 3/4"	T1	0'-4 1/2"	0'-11 1/2"	2'-7 1/2"	0'-11 1/2"	2'-7 1/2"																					
4A16	6	#4	10'-1 1/2"	T1	0'-4 1/2"	0'-11 1/2"	1'-6"	3'-1 1/2"	3'-2"																					
6A10	20	#6	4'-11 1/2"	T7	1'-0"	3'-1 1/2"																								
7A15	70	#7	7'-9 3/4"	T7	1'-0"	6'-3 1/2"																								
7A16	20	#7	9'-6 3/4"	T7	1'-0"	8'-4 1/2"																								
7A17	10	#7	7'-6 3/4"	T7	1'-0"	6'-4 1/2"																								
7A18	90	#7	8'-0 3/4"	T7	1'-0"	6'-10 3/4"																								

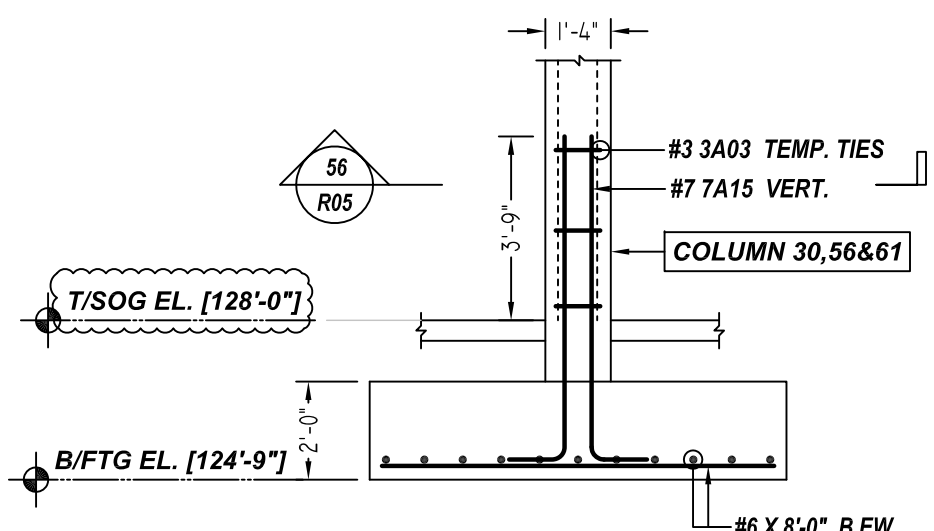


@ COLUMN

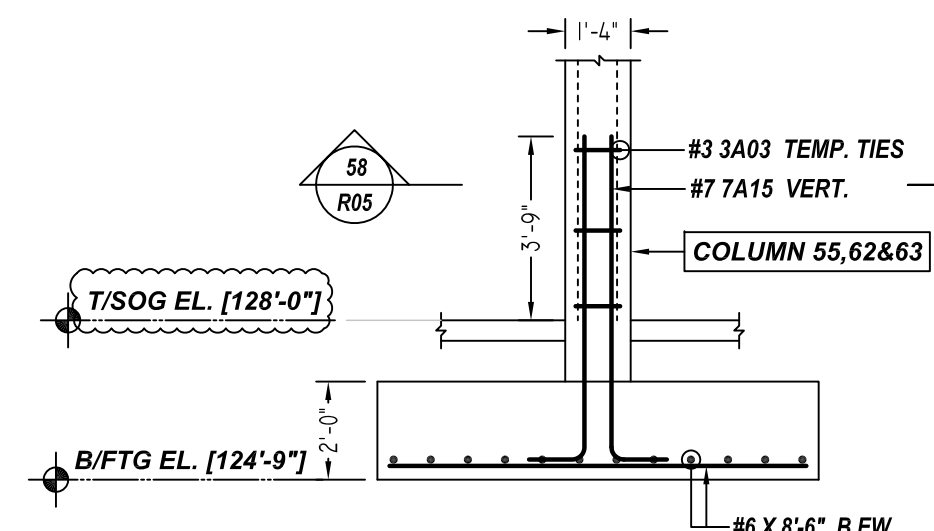
SIZE	5000 PSI	
	TOP	OTHERS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	63"	49"
#8	72"	55"
#9	81"	63"
#10	91"	70"
#11	101"	78"

LOCATION	MIN. COVER
FOOTING BOT. & SIDE	3" CLR
FOOTING TOP	2" CLR
WALL BELOW GL	2" CLR
WALL ABOVE GL	1 1/2" CLR

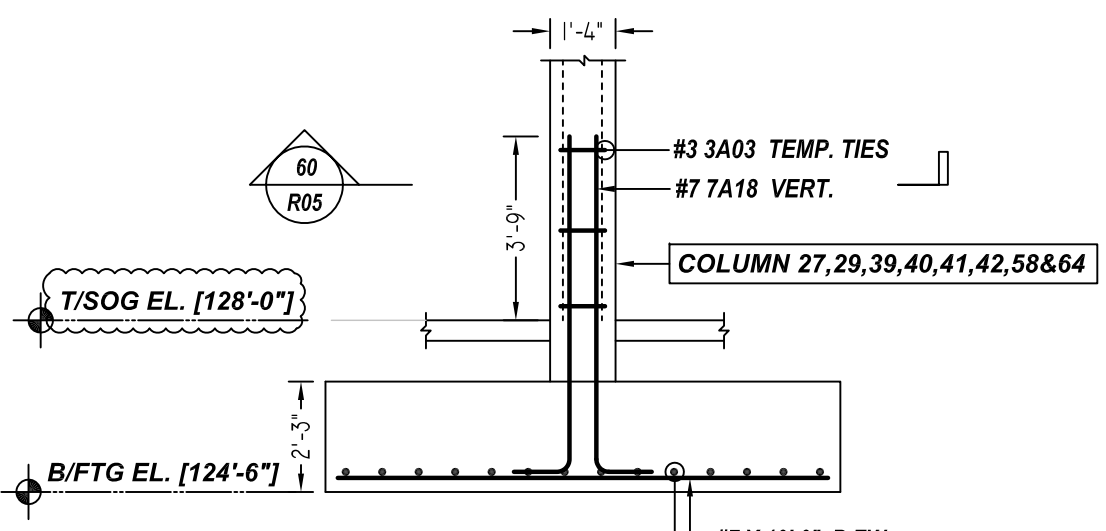
**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**



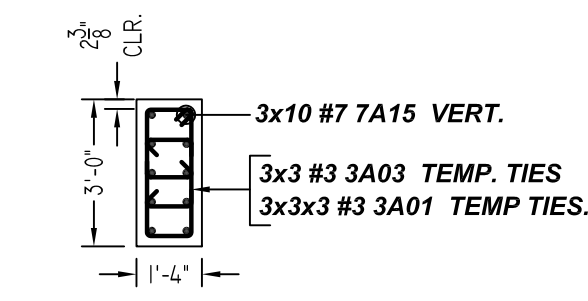
55 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



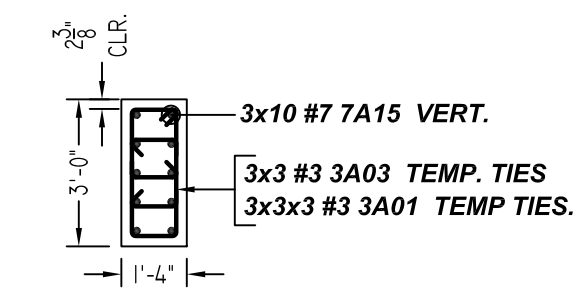
57 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



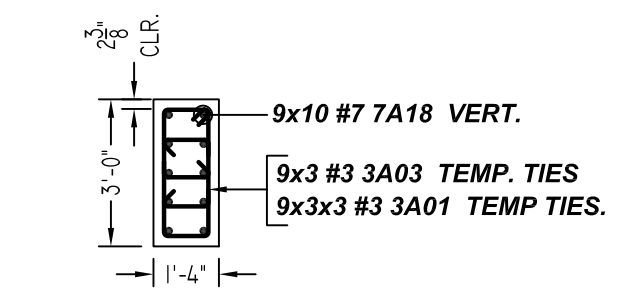
59 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



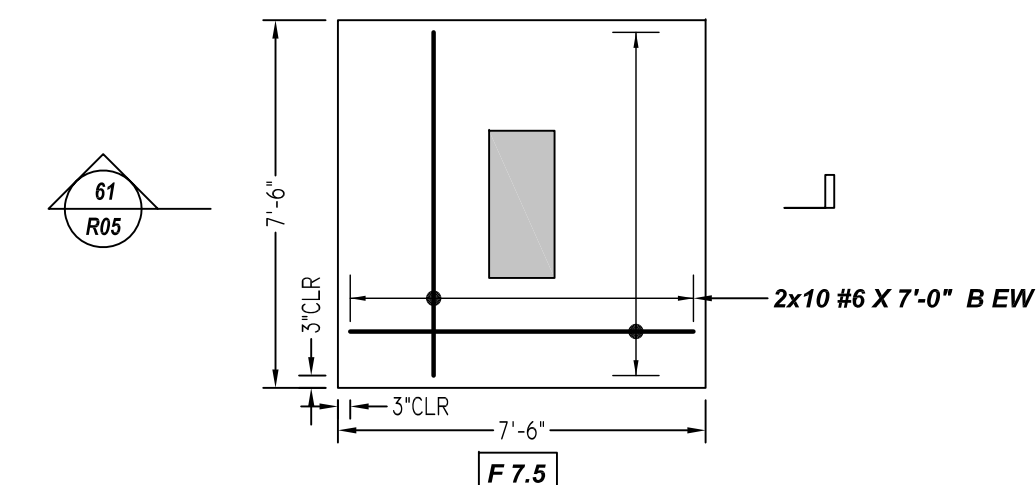
56 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



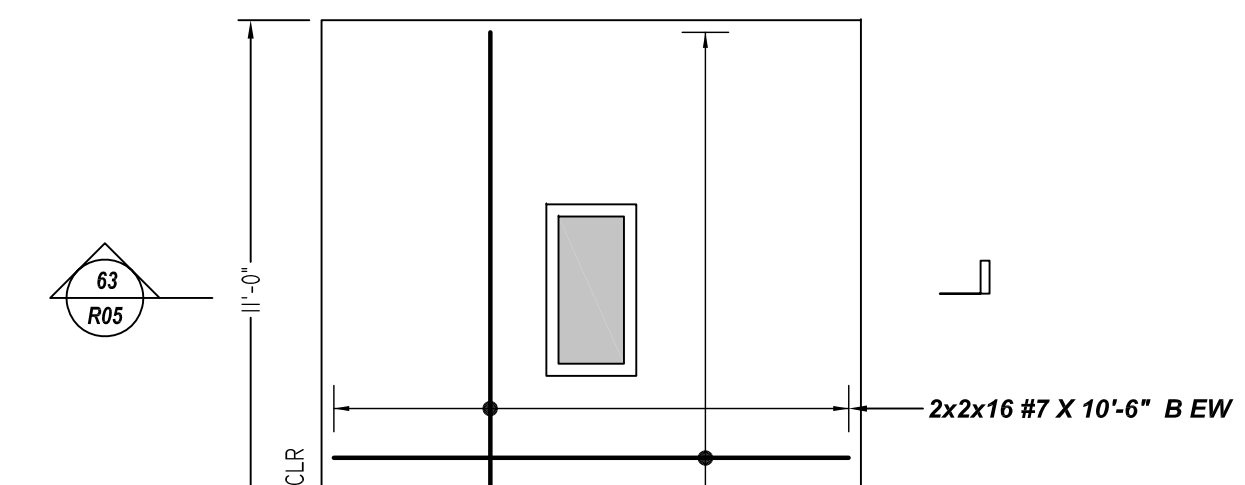
58 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



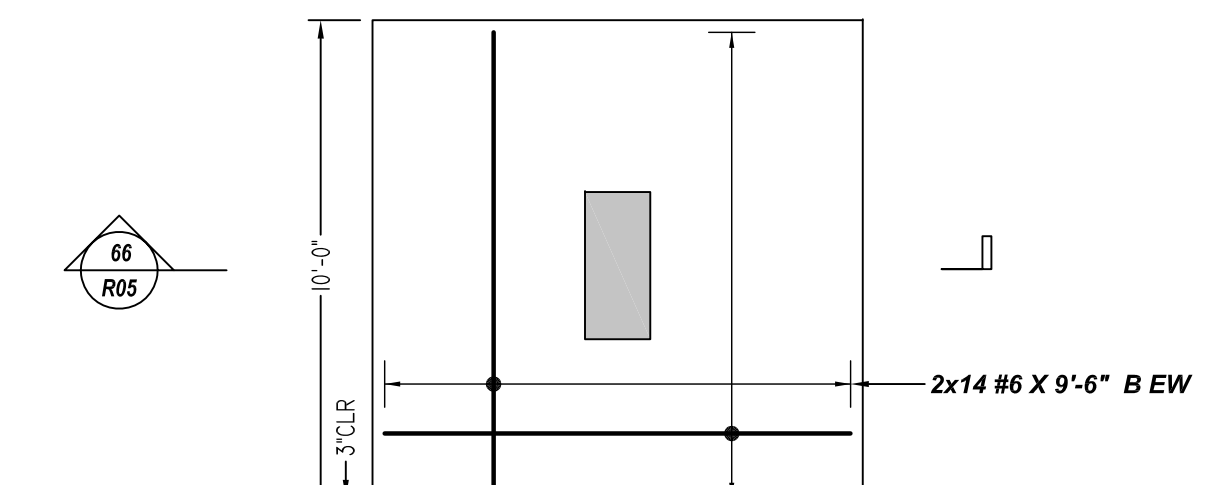
60 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



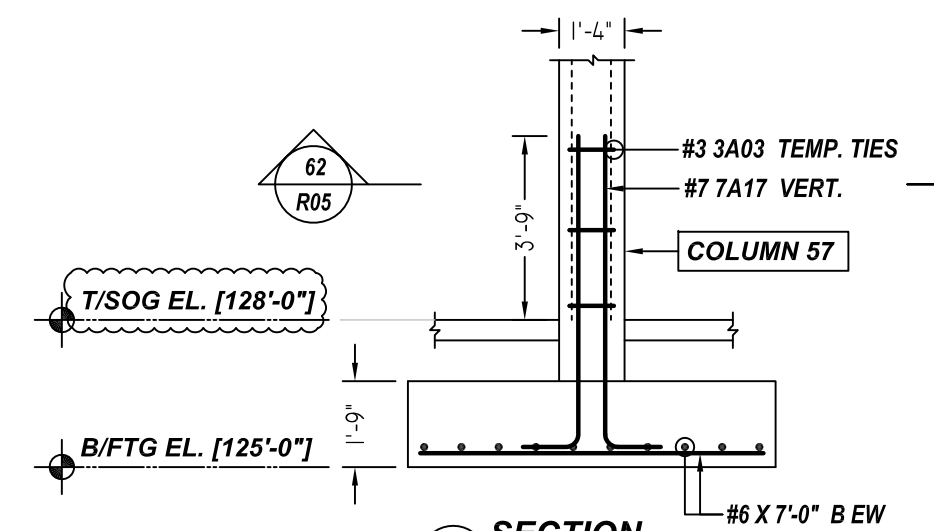
F 7.5
DETAIL-AB
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



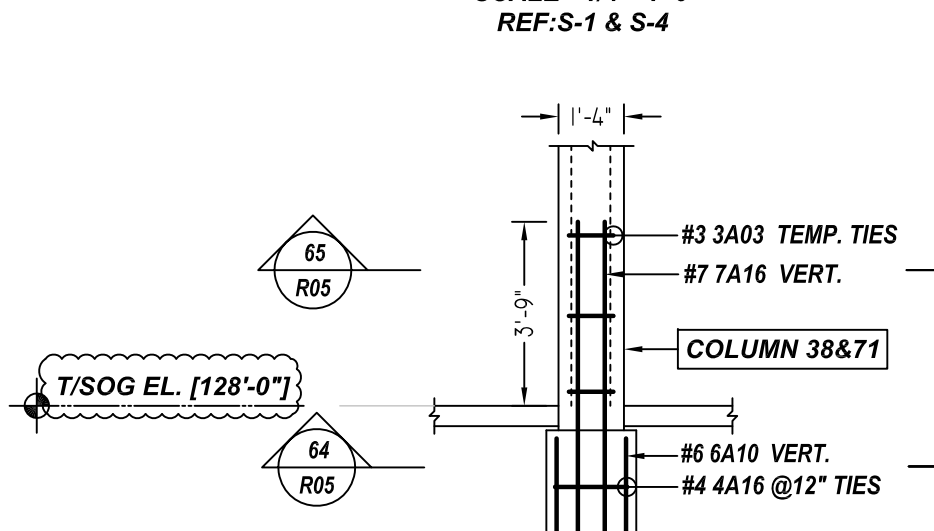
F 11.0
DETAIL-AC
(2-LOCATIONS)
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



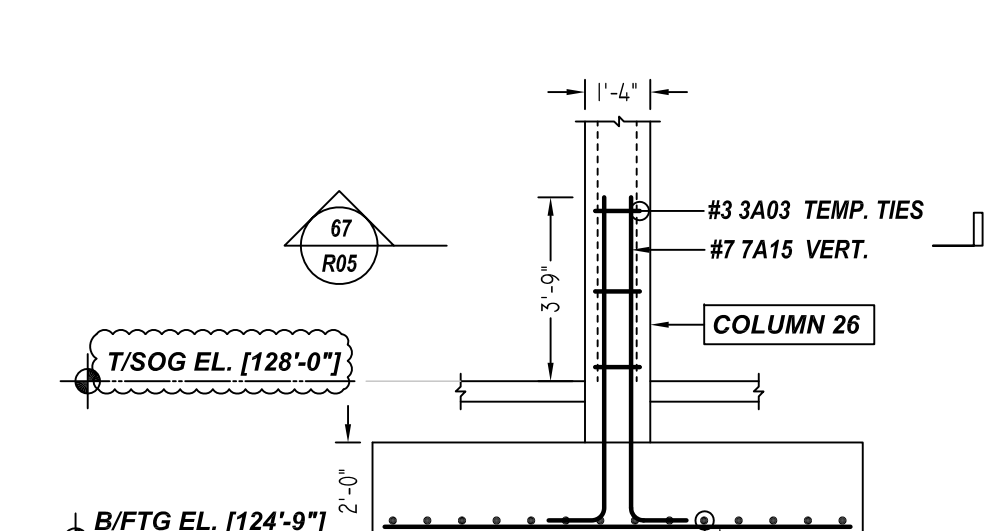
F 10.0
DETAIL-AD
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



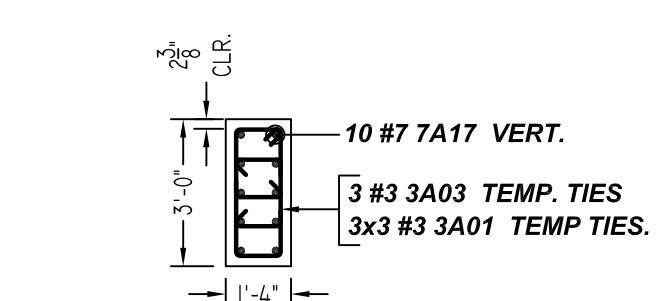
61 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



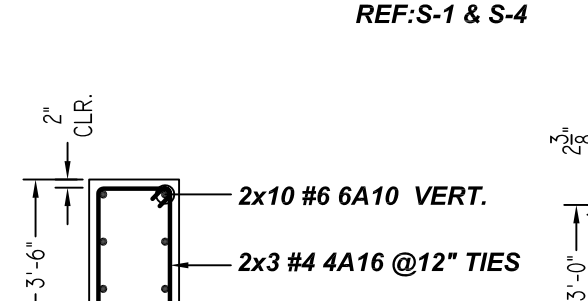
63 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



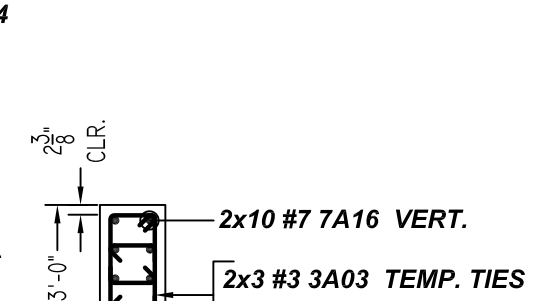
66 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



62 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



64 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



65 SECTION
SCALE - 1/2"=1'-0"
REF: S-1 & S-4

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 4,000 psi UNO	
TOP BARS	OTHER BARS
#3 24"	#3 19"
#4 32"	#4 25"
#5 40"	#5 31"
#6 48"	#6 37"
#7 70"	#7 54"
#8 80"	#8 62"
#9 91"	#9 70"
#10 102"	#10 79"
#11 113"	#11 87"
#14	#14

ABBREVIATIONS

- ADD. = Additional
- B.O.W. = Bottom of wall
- C.B. = Corner Bars
- DIAG. = Diagonal
- D.O. = Door Opening
- DWLS. = Dowels
- E.F. = Each Face
- E.S. = Each Side
- E.W. = Each Way
- FTG. = Footing
- F.F. = Far Face
- HORIZ. = Horizontal
- I.F. = Inside Face
- INTERS. = Intersection
- L.W. = long Way
- N.F. = Near Face
- O.F. = Outside Face
- S.W. = Short Way
- T&B = Top & Bottom
- T.O.W. = Top of Wall
- Trans. = Transverse
- VERT. = Vertical

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

44-IRVINE TURRNER BLVD
FOUNDATION REINFORCEMENT DETAILS
NEWARD, NEW JERSEY

CUSTOMER: JOE MAGGIO
DESIGNER: DHNS ENGINEERING

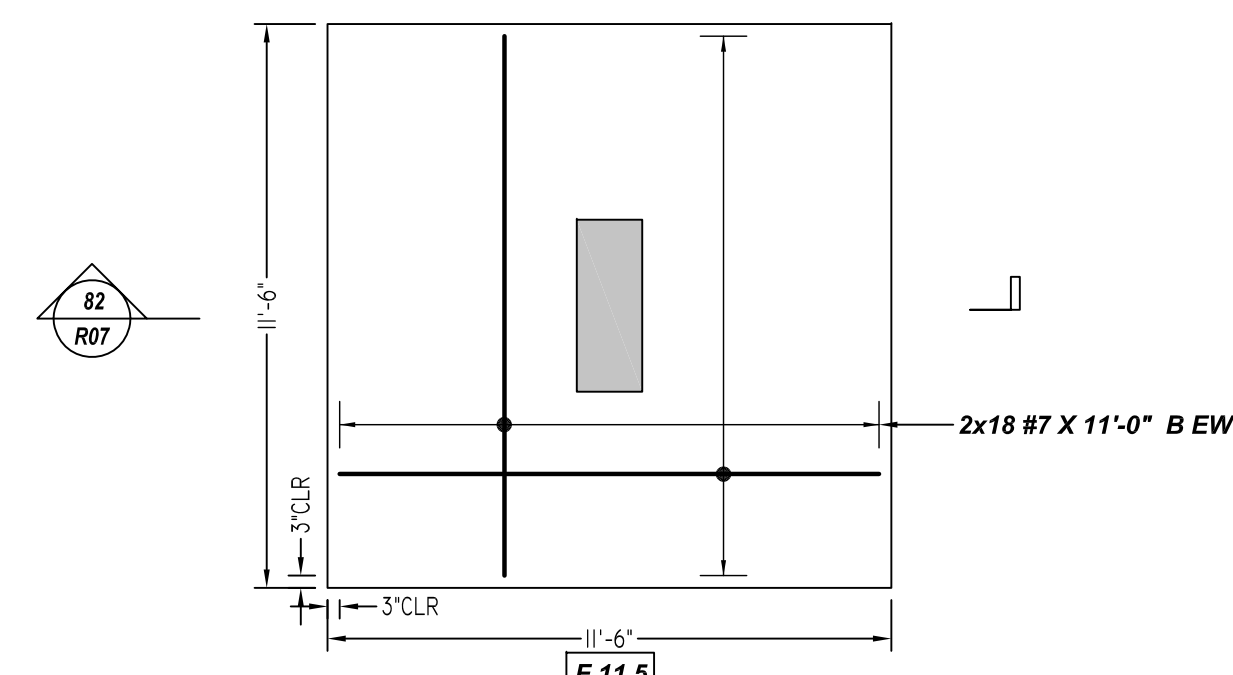
REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	09.13.21					

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	09.13.21	M921P997	R05

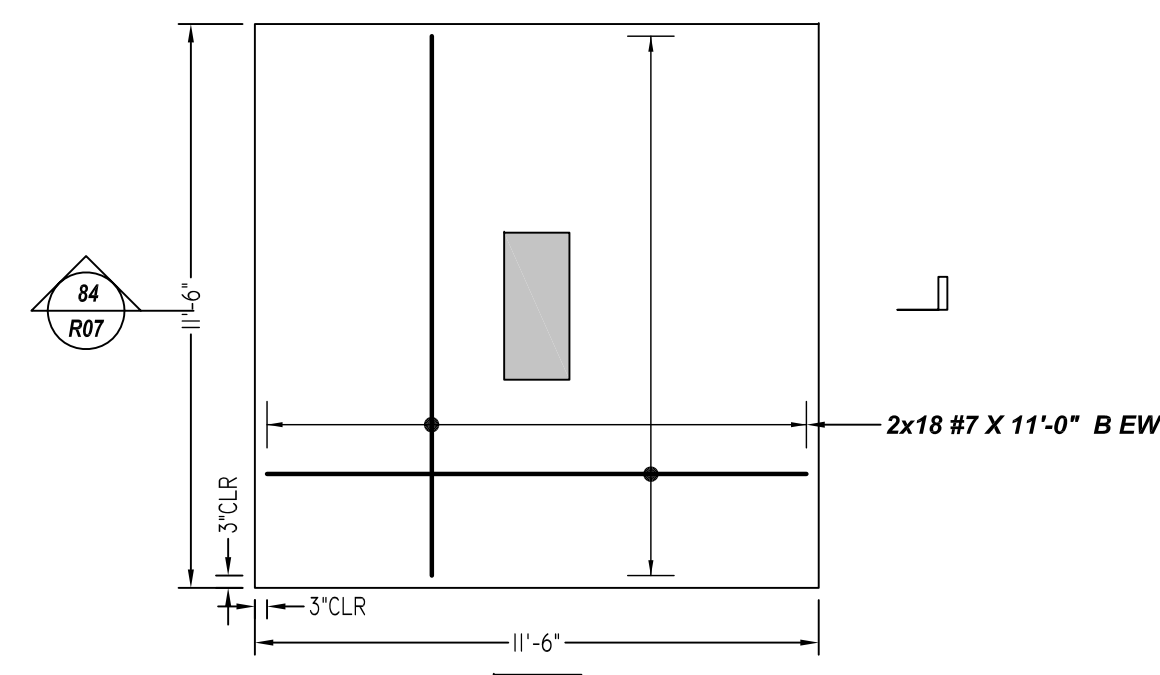
NOTICE

SHORTAGES, IMPROPER FABRICATION OR CLAIMS FOR ANY OTHER REASON MUST BE REPORTED TO THIS COMPANY WITHIN 10 DAYS FROM ORIGINAL DELIVERY. THIS COMPANY ALSO RESERVES THE RIGHT TO FIELD INSPECT MATERIALS PRIOR TO REPLACEMENT OR RECONDITIONING OF MATERIALS AND WILL NOT BE LIABLE FOR CHARGES FROM WORK DONE IN THE FIELD WITHOUT PRIOR AUTHORIZATION FROM THIS COMPANY.

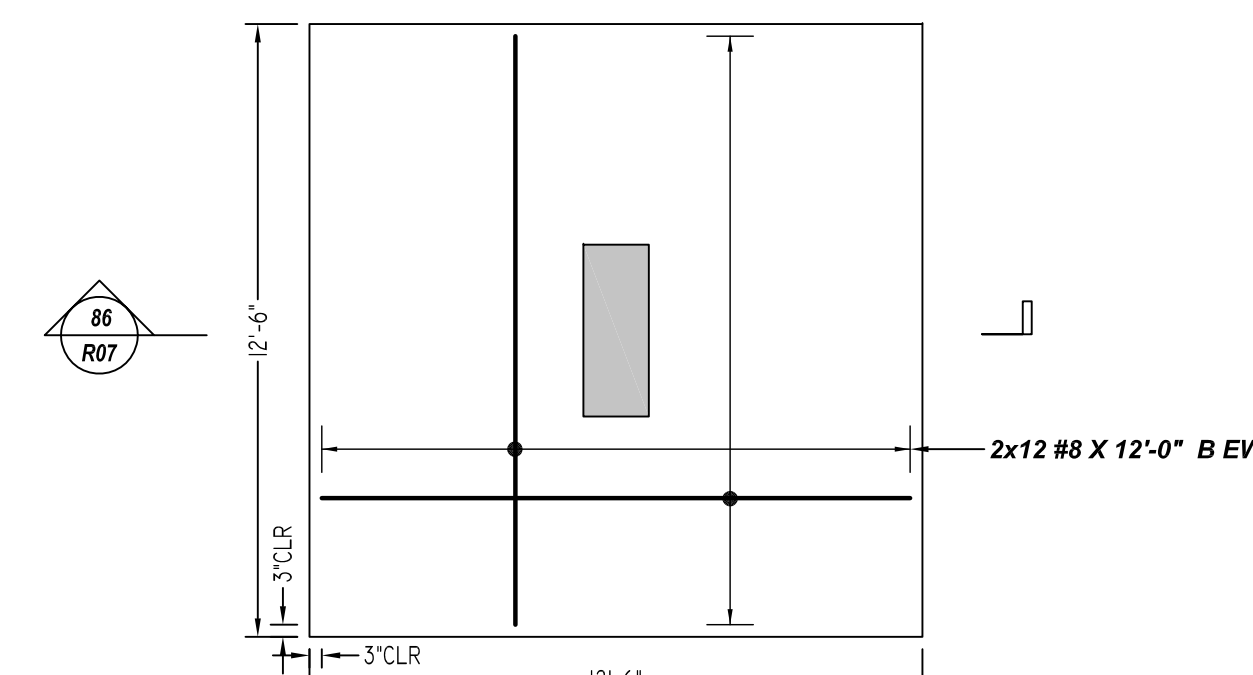
REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.



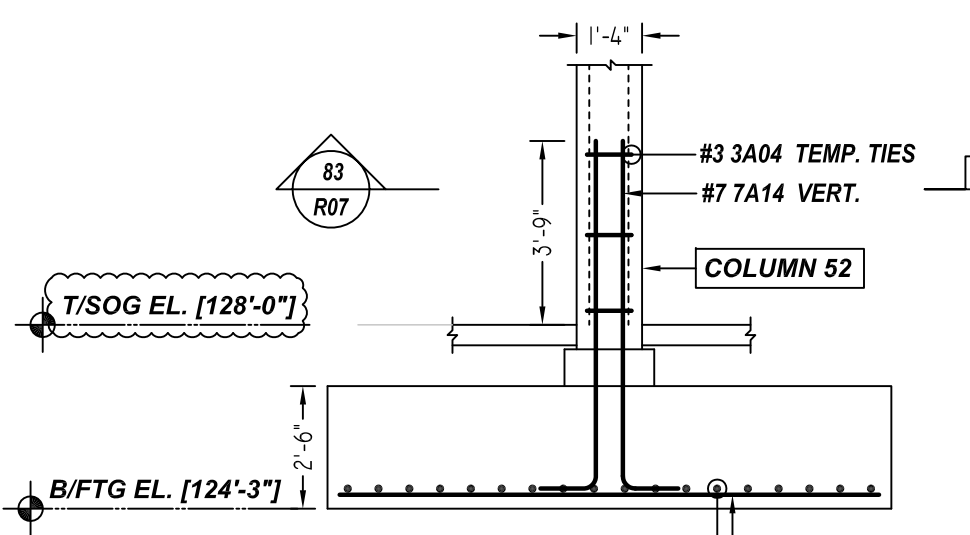
DETAIL-AL
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



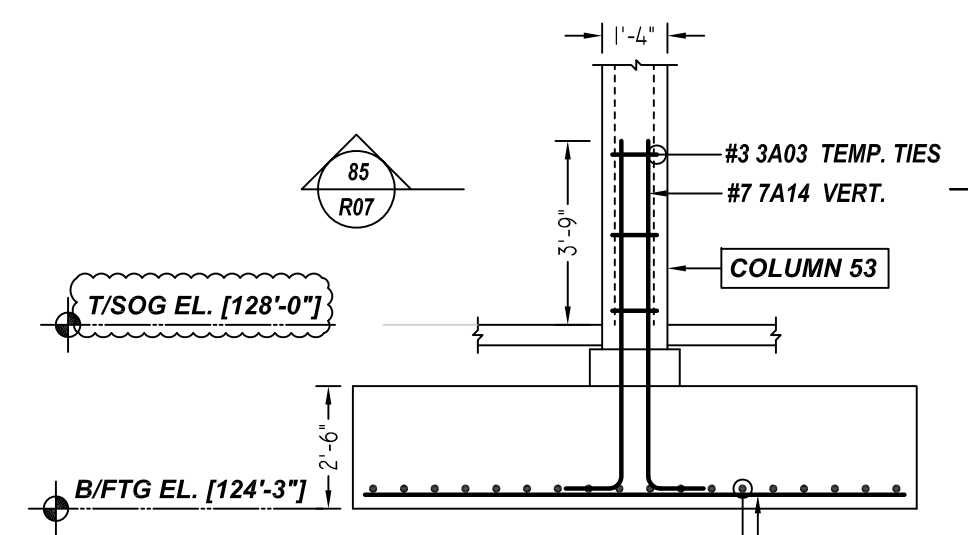
DETAIL-AM
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



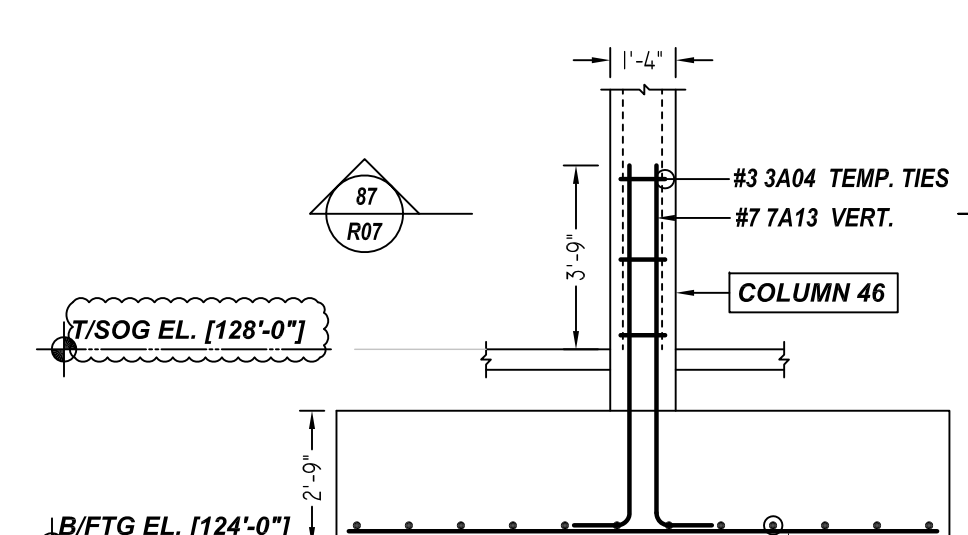
DETAIL-AN
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



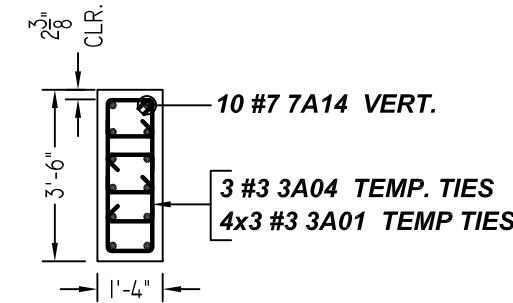
SECTION 82
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



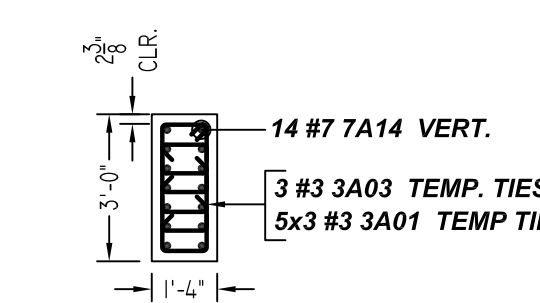
SECTION 84
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



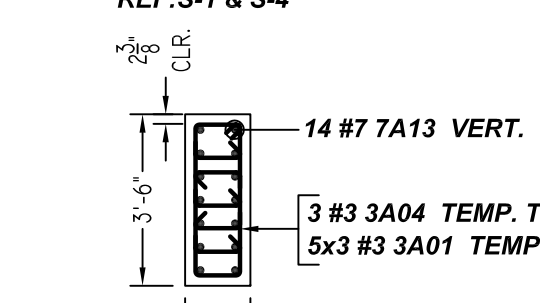
SECTION 86
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



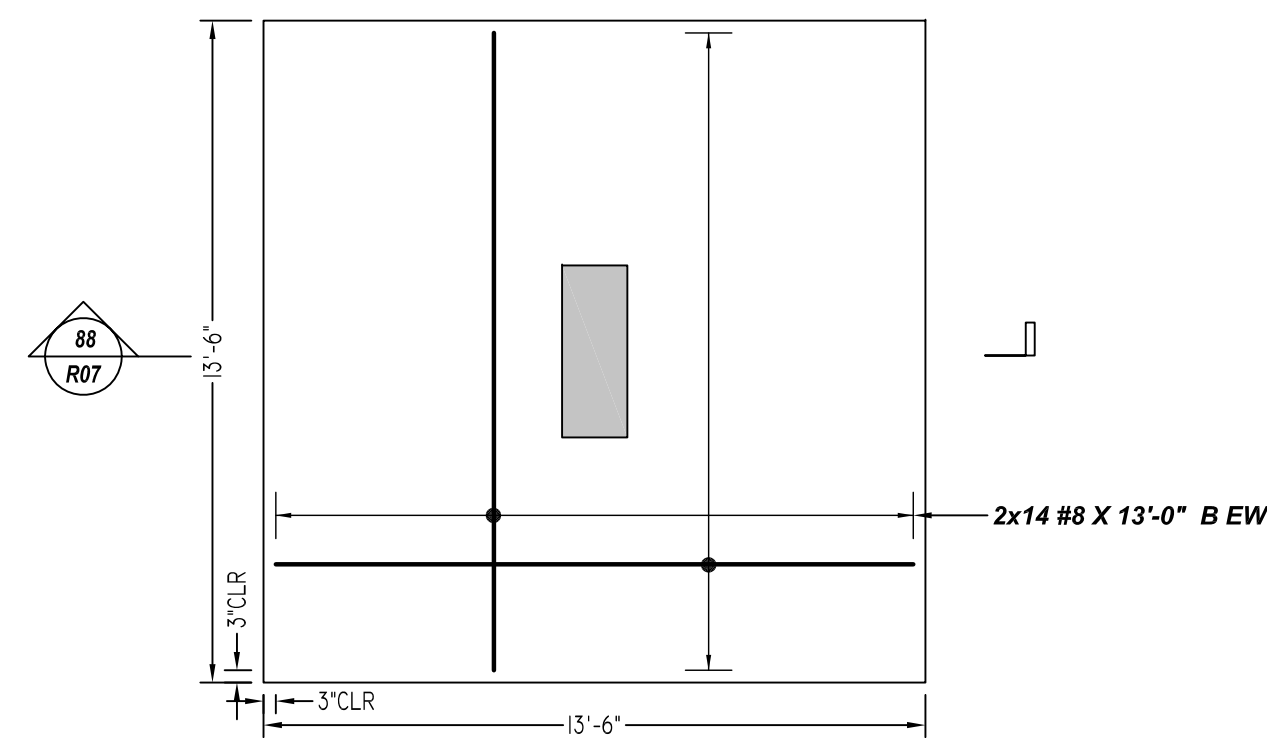
SECTION 83
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



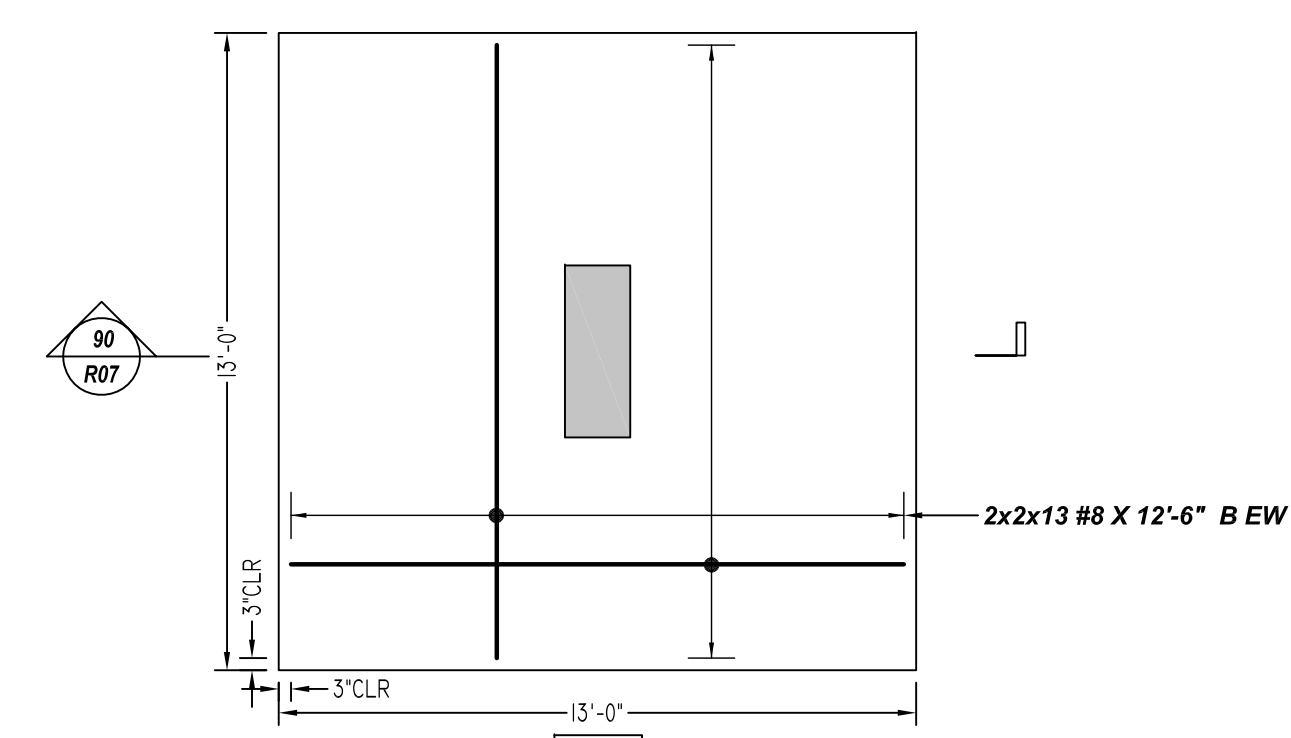
SECTION 85
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



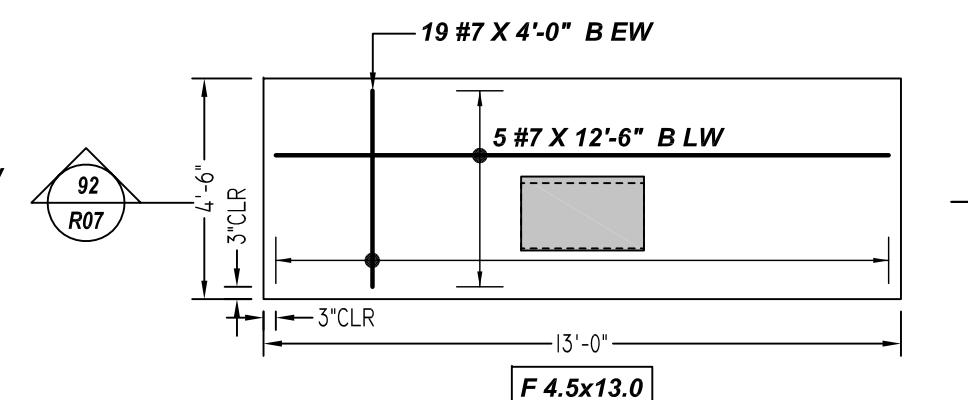
SECTION 87
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



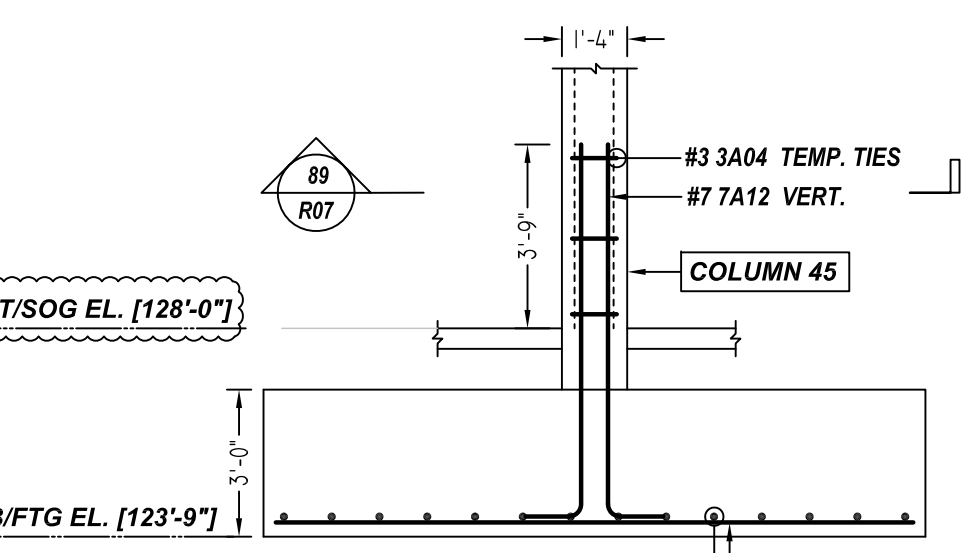
DETAIL-AP
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



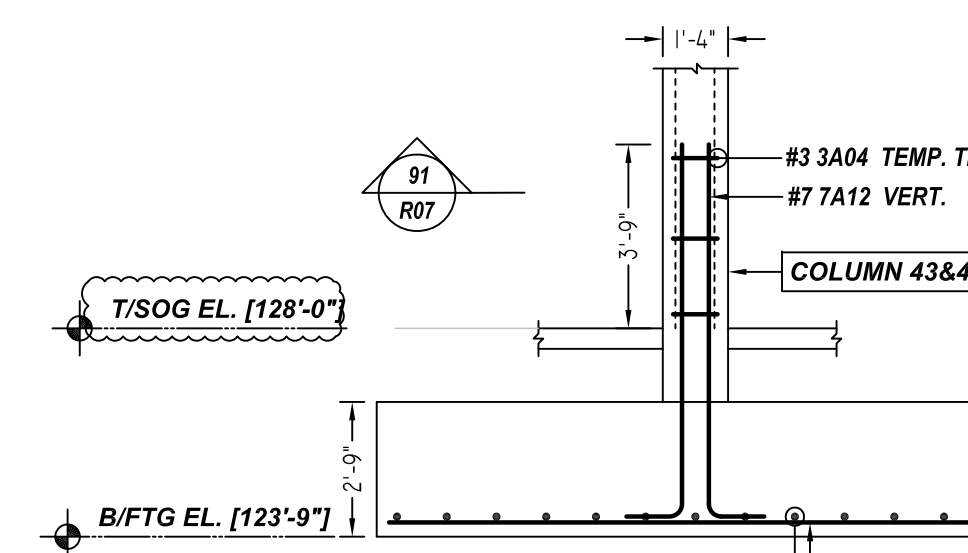
DETAIL-AR (2-LOCATIONS)
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



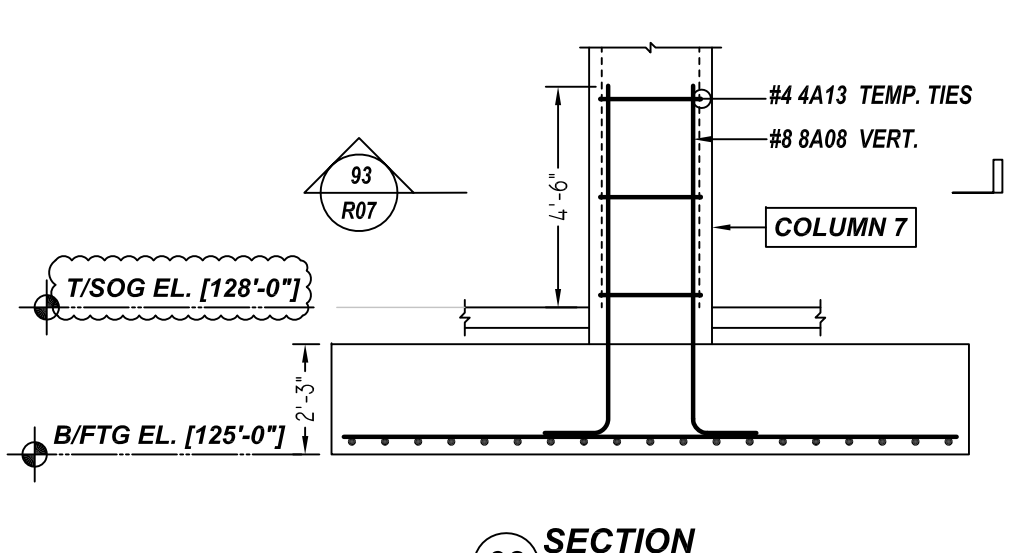
DETAIL-AS
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



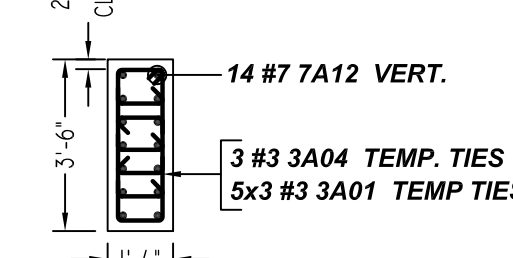
SECTION 88
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



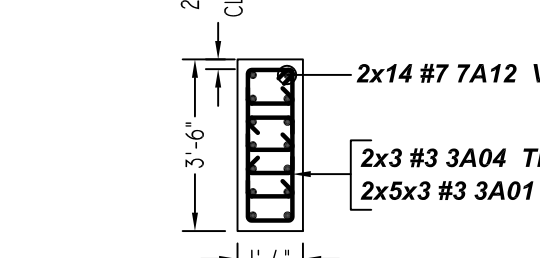
SECTION 90
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



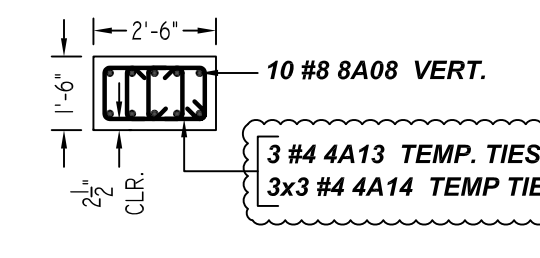
SECTION 92
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



SECTION 89
SCALE - 1/2"=1'-0"
REF: S-1 & S-4

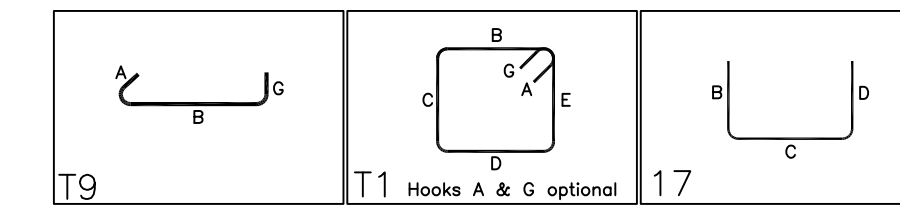


SECTION 91
SCALE - 1/2"=1'-0"
REF: S-1 & S-4



SECTION 93
SCALE - 1/2"=1'-0"
REF: S-1 & S-4

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
3A01	87	#3	1'-7 1/2"	T9	0'-4 1/2"	0'-11 1/2"																								
3A03	3	#3	7'-9 3/4"	T1	0'-4 1/2"	0'-11 1/2"	2'-7 1/2"	0'-11 1/2"	2'-7 1/2"																					
3A04	15	#3	8'-9 3/4"	T1	0'-4 1/2"	0'-11 1/2"	3'-1 1/2"	0'-11 1/2"	3'-1 1/2"																					
4A13	3	#4	7'-1 1/2"	T1	0'-4 1/2"	0'-11 1/2"	2'-1 1/2"	0'-11 1/2"	2'-1 1/2"																					
4A14	3	#4	1'-10 1/2"	T9	0'-4 1/2"	0'-11 1/2"	1'-1 1/2"	0'-11 1/2"	1'-1 1/2"																					
7A12	42	#7	8'-3 3/4"	T7	0'-4 1/2"	0'-11 1/2"	1'-1 1/2"	0'-11 1/2"	1'-1 1/2"																					
7A13	14	#7	8'-4 1/2"	T7	0'-4 1/2"	0'-11 1/2"	1'-1 1/2"	0'-11 1/2"	1'-1 1/2"																					
7A14	24	#7	8'-3 3/4"	T7	0'-4 1/2"	0'-11 1/2"	1'-1 1/2"	0'-11 1/2"	1'-1 1/2"																					
8A08	10	#8	8'-5 1/2"	T7	0'-4 1/2"	0'-11 1/2"	1'-1 1/2"	0'-11 1/2"	1'-1 1/2"																					



FOR COLUMN

SIZE	5000 PSI	
	TOP	OTHERS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	63"	49"
#8	72"	55"
#9	81"	63"
#10	91"	70"
#11	101"	78"

LOCATION	MIN. COVER
FOOTING TOP	2" CLR
WALL BELOW GL	2" CLR
WALL ABOVE GL	1 1/2" CLR

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO		ADD. = Additional		Imperial	
TOP BARS	OTHER BARS	B.O.W. = Bottom of wall	D.W.L.S. = Dowels	Soft Metric	
#3 24"	#3 19"	C.B. = Corner Bars	D.O. = Door Opening	#3	#10
#4 32"	#4 25"	DIAG. = Diagonal	E.F. = Each Face	#4	#13
#5 40"	#5 31"	E.S. = Each Side	E.W. = Each Way	#5	#16
#6 48"	#6 37"	FTG. = Footing	F.F. = Far Face	#6	#19
#7 70"	#7 54"	HORIZ. = Horizontal	I.F. = Inside Face	#7	#22
#8 80"	#8 62"	INTERS. = Intersection	L.W. = long Way	#8	#25
#9 91"	#9 70"	L.F. = Near Face	N.F. = Near Face	#9	#29
#10 102"	#10 79"	O.F. = Outside Face	S.W. = Short Way	#10	#32
#11 113"	#11 87"	T&B = Top & Bottom	T.O.W. = Top of Wall	#11	#36
#14	#14	Trans. = Transverse	VERT. = Vertical		

44-IRVINE TURRNER BLVD
FOUNDATION REINFORCEMENT DETAILS
NEWARD, NEW JERSEY

CUSTOMER: JOE MAGGIO
DESIGNER: DHNS ENGINEERING

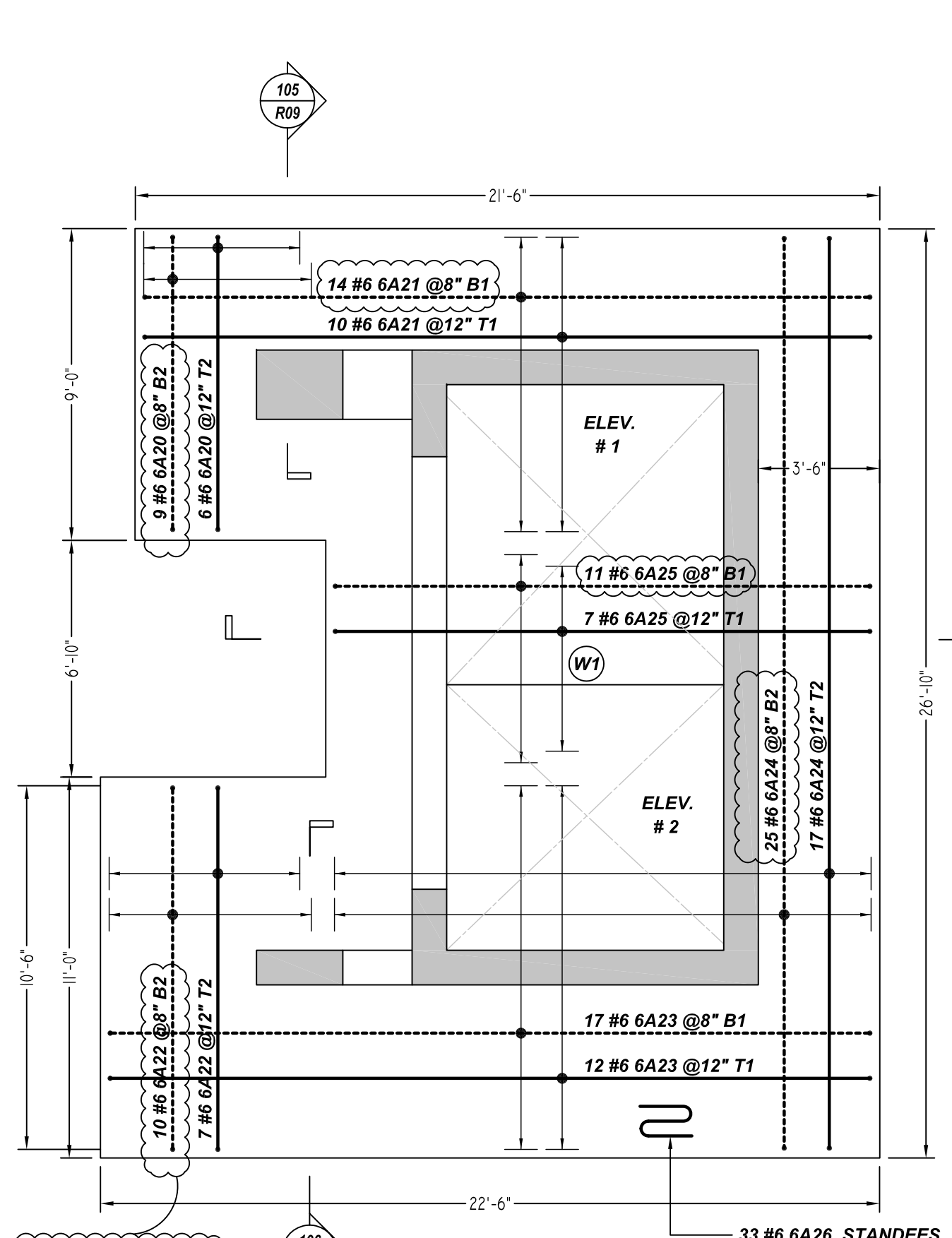
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	09.13.21				

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	09.13.21	M921P997	R07

NOTICE

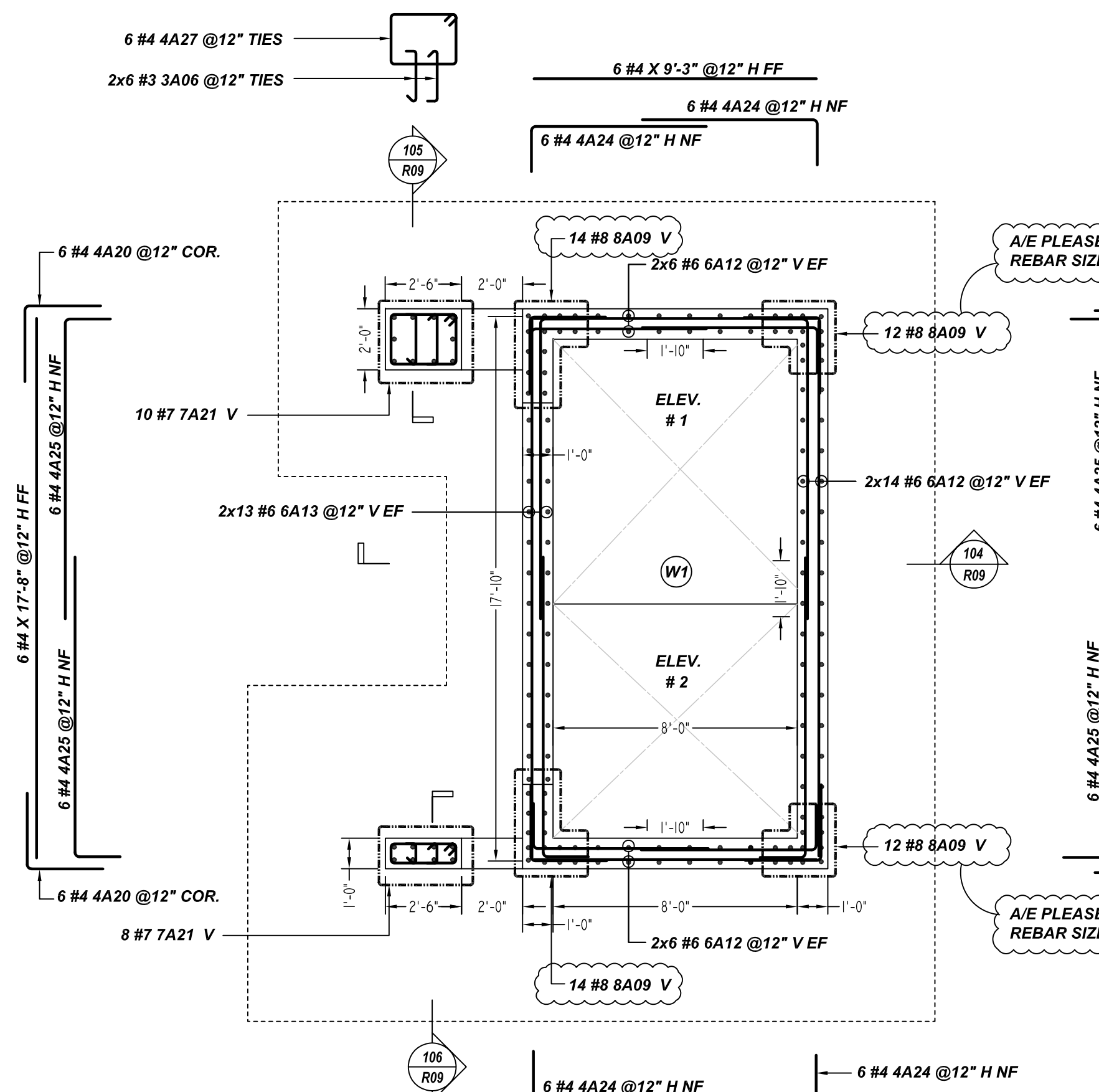
SHORTAGES, IMPROPER FABRICATION OR CLAIMS FOR ANY OTHER REASON MUST BE REPORTED TO THIS COMPANY WITHIN 10 DAYS FROM ORIGINAL DELIVERY. THIS COMPANY ALSO RESERVES THE RIGHT TO FIELD INSPECT MATERIALS PRIOR TO REPLACEMENT OR RECONDITIONING OF MATERIALS AND WILL NOT BE LIABLE FOR CHARGES FROM WORK DONE IN THE FIELD WITHOUT PRIOR AUTHORIZATION FROM THIS COMPANY.

REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.



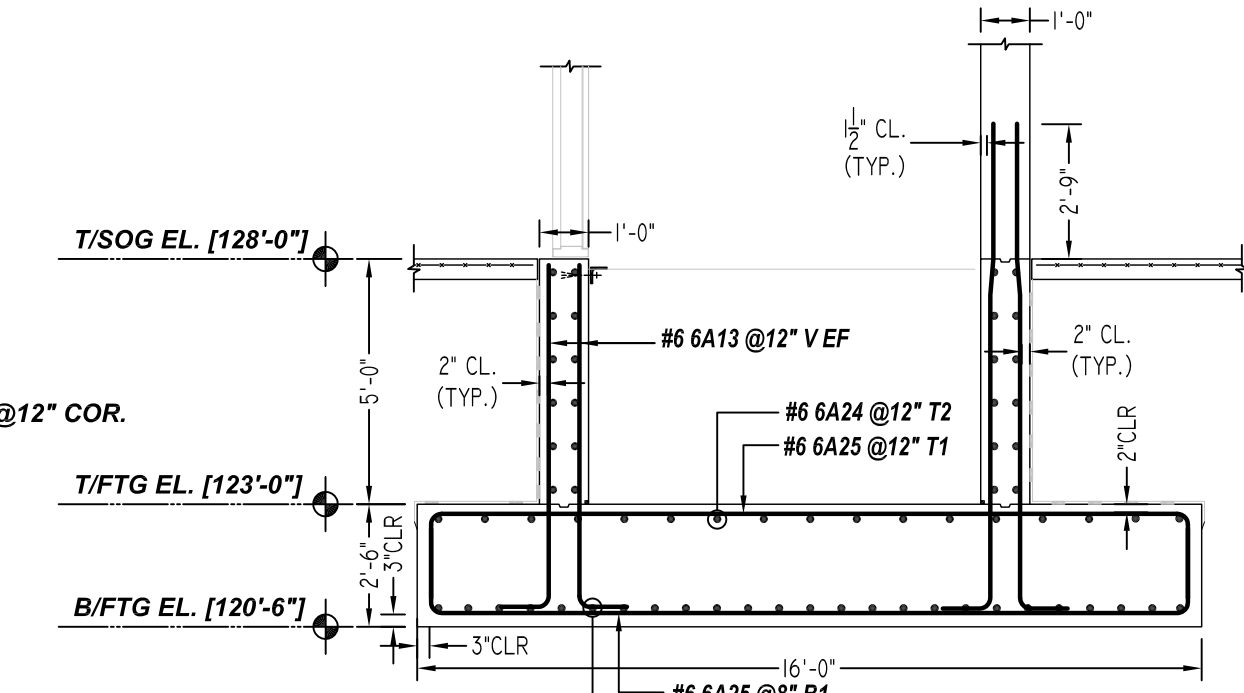
DETAIL
SCALE - 1/4"=1'-0"
REF: S-1 & S-4

A/E PLEASE VERIFY REBAR SPACING (TYP.)

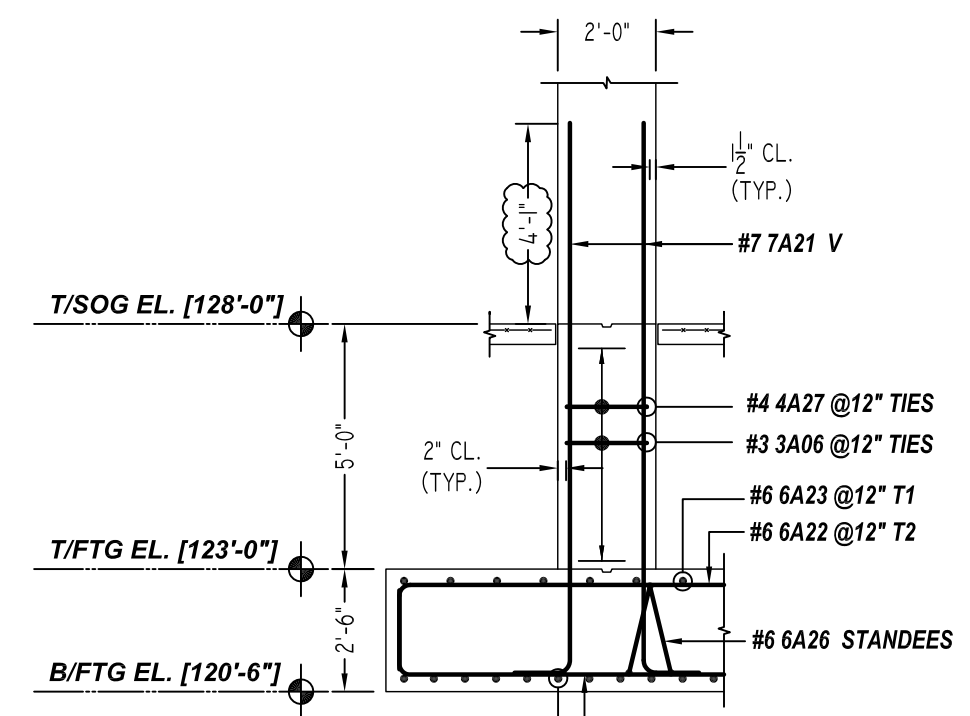


DETAIL
SCALE - 1/4"=1'-0"
REF: S-1 & S-4
SHEAR WALL W1 FROM PARKING LEVEL

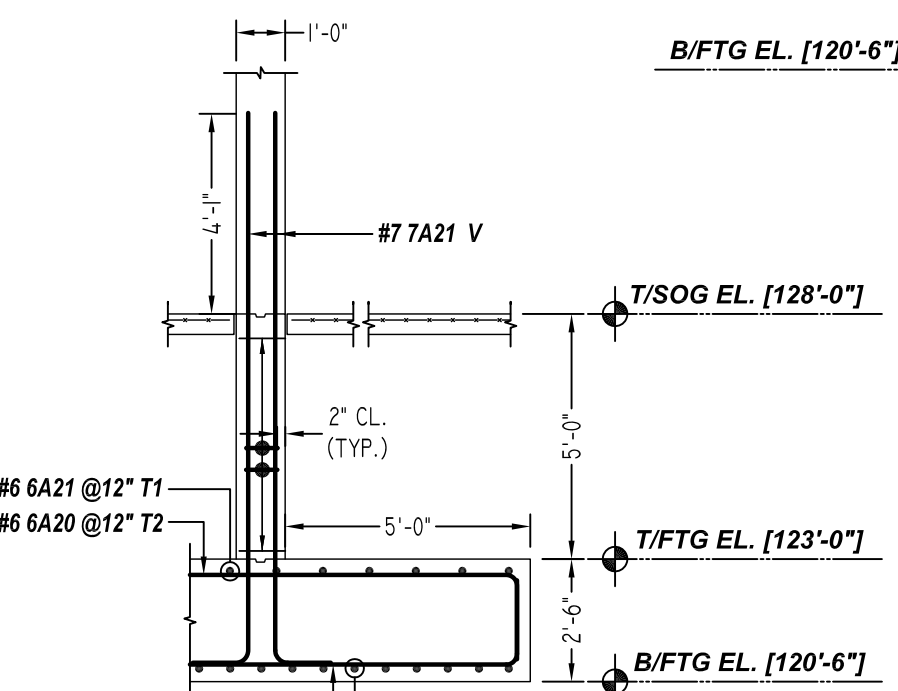
A/E PLEASE VERIFY REBAR SIZE (TYP.)



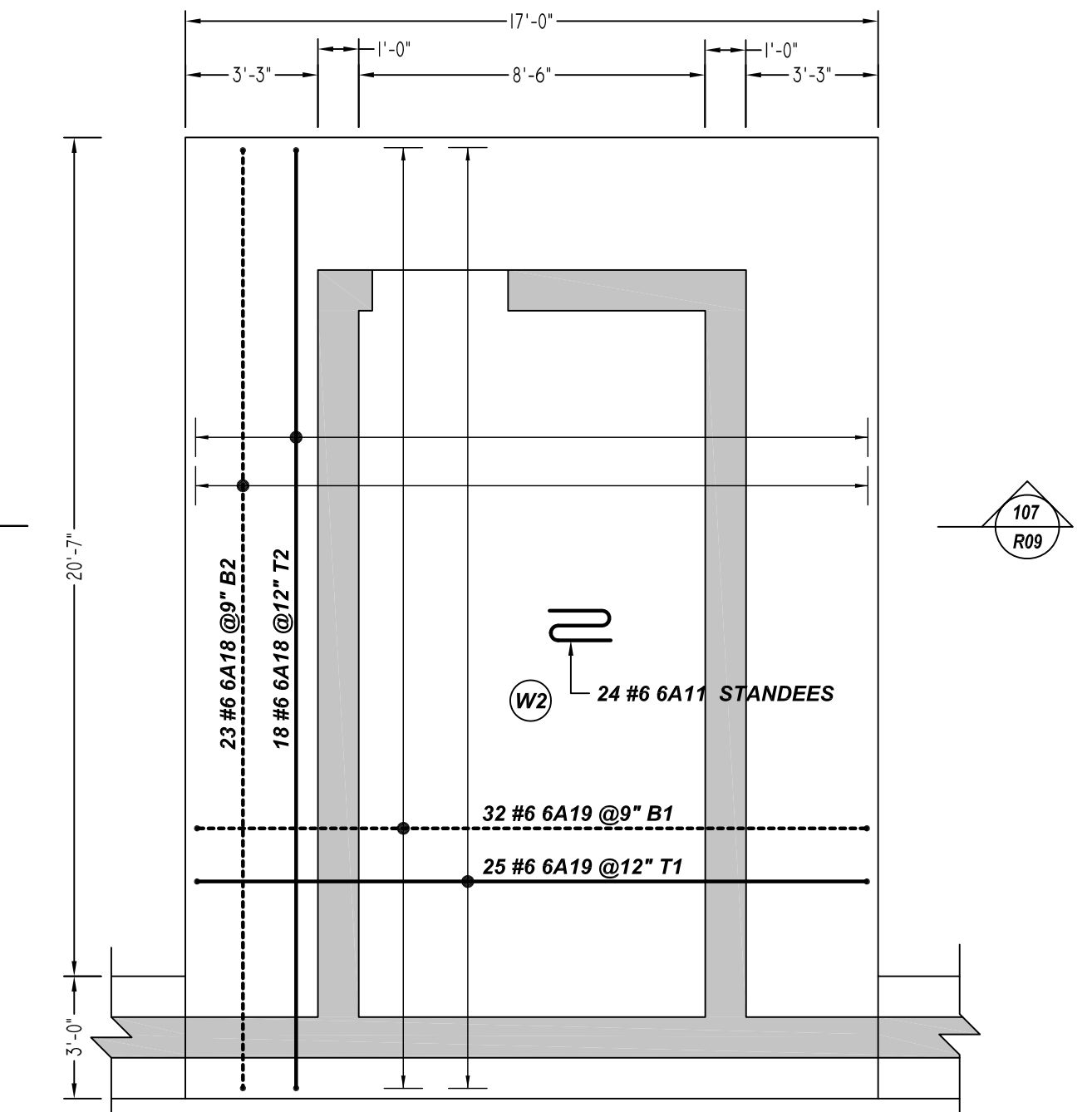
SECTION 104
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



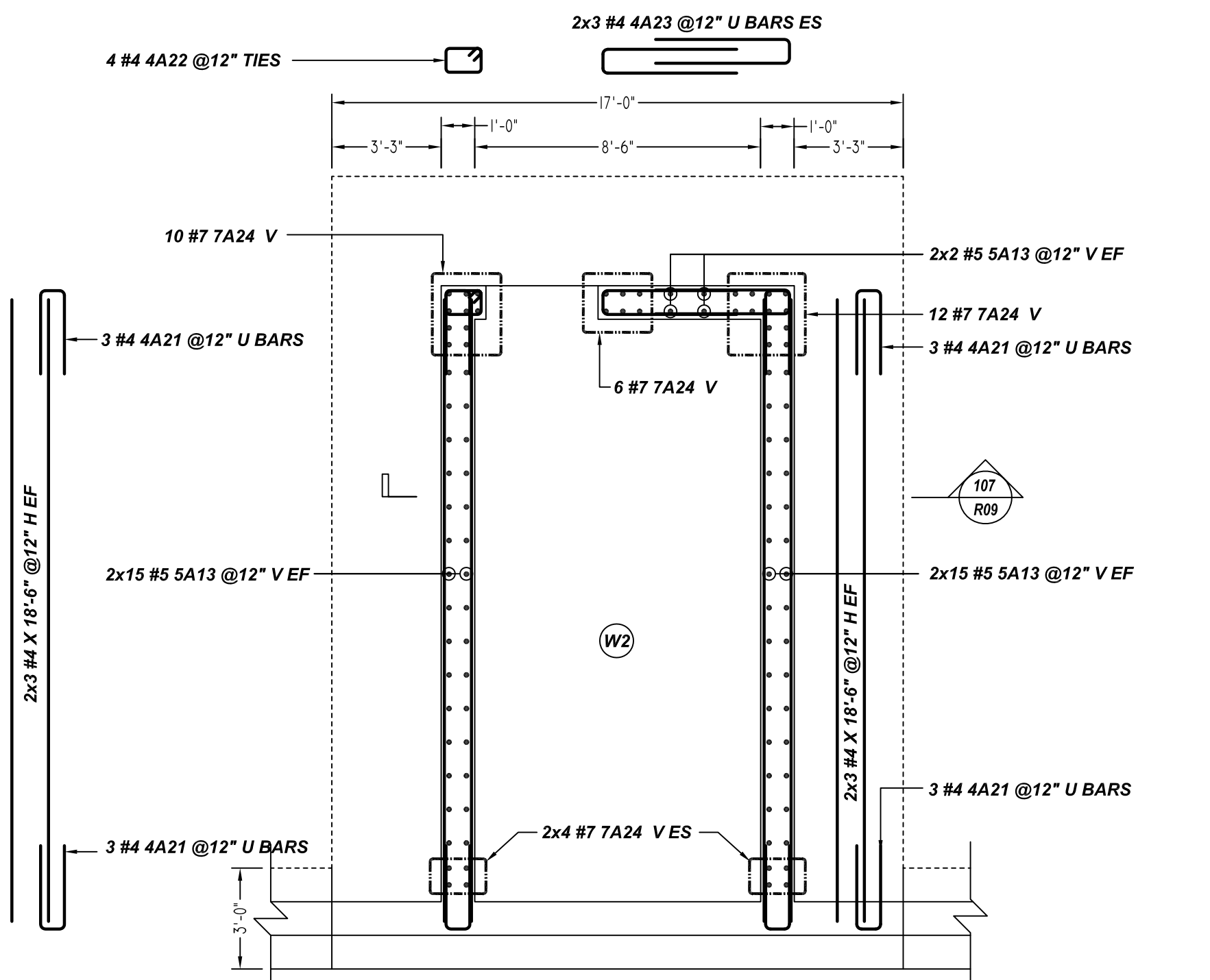
SECTION 105
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



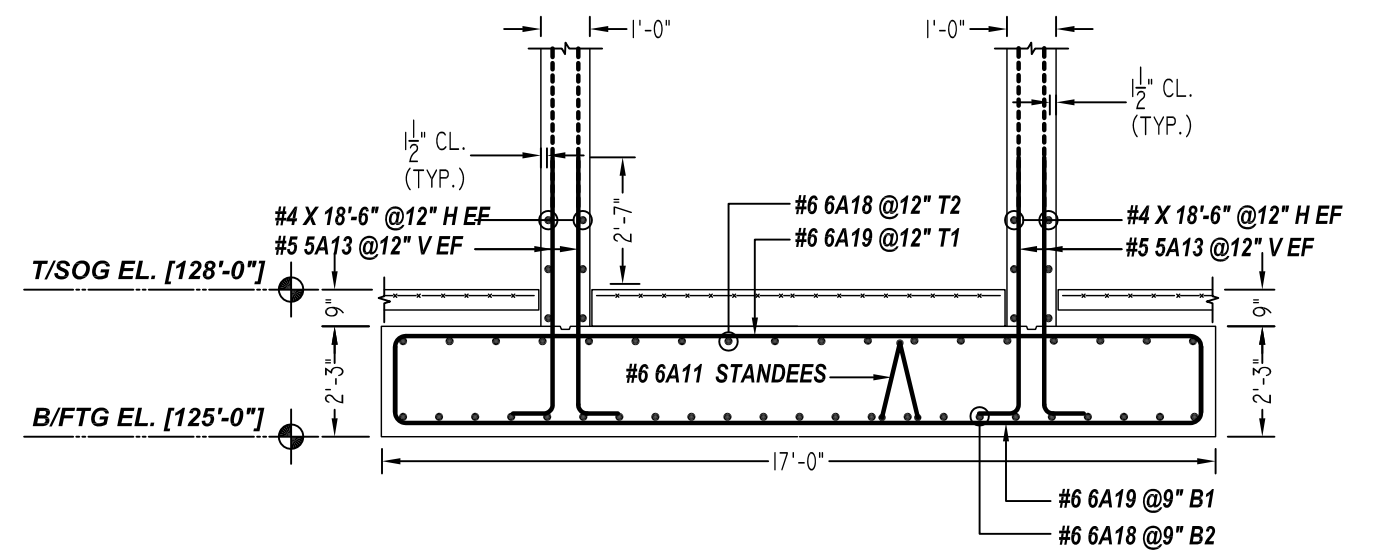
SECTION 106
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



DETAIL
SCALE - 1/4"=1'-0"
REF: S-1 & S-4

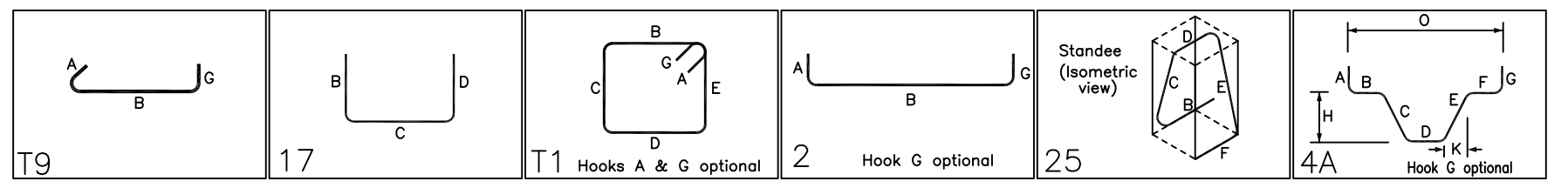


DETAIL
SCALE - 1/4"=1'-0"
REF: S-1 & S-4



SECTION 107
SCALE - 1/4"=1'-0"
REF: S-1 & S-4

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
3065	12	J3	1'-4 1/2"	19	0'-4 1/2"	0'-8"																								
3068	12	J3	2'-4 1/2"	19	0'-4 1/2"	1'-8"																								
4020	24	A	5'-0"	17	2'-0"	2'-0"																								
4021	12	A	5'-0"	17	2'-0"	2'-0"																								
4022	4	A	4'-5"	11	0'-4 1/2"	1'-11"	0'-9"	1'-11"	0'-9"																					
4023	6	A	8'-9"	17	4'-0"	0'-9"	4'-0"	0'-9"	4'-0"																					
4024	24	A	7'-3"	17	1'-6"	5'-9"																								
4025	24	A	11'-4"	17	1'-6"	9'-10"																								
4026	6	A	6'-4 1/2"	11	0'-4 1/2"	2'-1 1/2"	0'-8"	2'-1 1/2"	0'-8"																					
4027	4	A	8'-5"	11	0'-4 1/2"	2'-2"	1'-8"	2'-2"	1'-8"																					
5A13	64	B	8'-1"	2	0'-10"	5'-3"																								
6A11	24	B	7'-9"	25	1'-6"	1'-7 1/2"	1'-6"	1'-7 1/2"	1'-6"	1'-7 1/2"	1'-6"																			
6A12	52	B	10'-11"	4A	1'-0"	6'-5"	0'-9"	2'-9"																						
6A13	26	B	8'-0"	2	1'-0"	7'-0"																								
6A18	48	B	26'-3"	17	1'-7"	23'-1"	1'-7"																							
6A19	52	B	19'-8"	17	1'-7"	16'-6"	1'-7"																							
6A20	18	B	12'-0"	17	1'-9"	8'-8"	1'-9"																							
6A21	24	B	21'-8"	17	1'-9"	21'-0"	1'-9"																							
6A22	17	B	14'-0"	17	1'-9"	10'-6"	1'-9"																							
6A23	28	B	25'-8"	17	1'-9"	22'-0"	1'-9"																							
6A24	42	B	29'-10"	17	1'-9"	26'-4"	1'-9"																							
6A25	18	B	19'-0"	17	1'-9"	15'-6"	1'-9"																							
6A26	33	B	8'-3"	25	1'-6"	1'-10 1/2"	1'-6"	1'-10 1/2"	1'-6"	1'-10 1/2"	1'-6"																			
7A1	18	B	12'-5"	2	1'-2"	11'-3"																								
7A2	36	B	7'-11"	2	1'-2"	6'-9"																								
8A05	52	B	12'-7"	4A	1'-4"	6'-2"	1'-0"	4'-1"																						



FOR COLUMN

SIZE	LAP SCHEDULE	
	5000 PSI	OTHERS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	63"	49"
#8	72"	55"
#9	81"	63"
#10	91"	70"
#11	101"	78"

LOCATION	MIN. COVER
FOOTING BOT. & SIDE	3" CLR
FOOTING TOP	2" CLR
WALL BELOW GL	2" CLR
WALL ABOVE GL	1 1/2" CLR

ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO		ADD.	= Additional	#3	#10
TOP BARS	OTHER BARS	B.O.W.	= Bottom of wall	#4	#13
#3 24"	#3 19"	C.B.	= Corner Bars	#5	#16
#4 32"	#4 25"	DIAG.	= Diagonal	#6	#19
#5 40"	#5 31"	D.O.	= Door Opening	#7	#22
#6 48"	#6 37"	DWLS.	= Dowels	#8	#25
#7 70"	#7 54"	E.F.	= Each Face	#9	#29
#8 80"	#8 62"	E.S.	= Each Side	#10	#32
#9 91"	#9 70"	E.W.	= Each Way	#11	#36
#10 102"	#10 79"	FTG.	= Footing		
#11 113"	#11 87"	F.F.	= Far Face		
#14		HORIZ.	= Horizontal		
		I.F.	= Inside Face		
		INTERS.	= Intersection		
		L.W.	= long Way		
		N.F.	= Near Face		
		O.F.	= Outside Face		
		S.W.	= Short Way		
		T&B	= Top & Bottom		
		T.O.W.	= Top of Wall		
		Trans.	= Transverse		
		VERT.	= Vertical		

44-IRVINE TURRNER BLVD
FOUNDATION REINFORCEMENT DETAILS
NEWARD, NEW JERSEY

CUSTOMER: JOE MAGGIO
DESIGNER: DHNS ENGINEERING

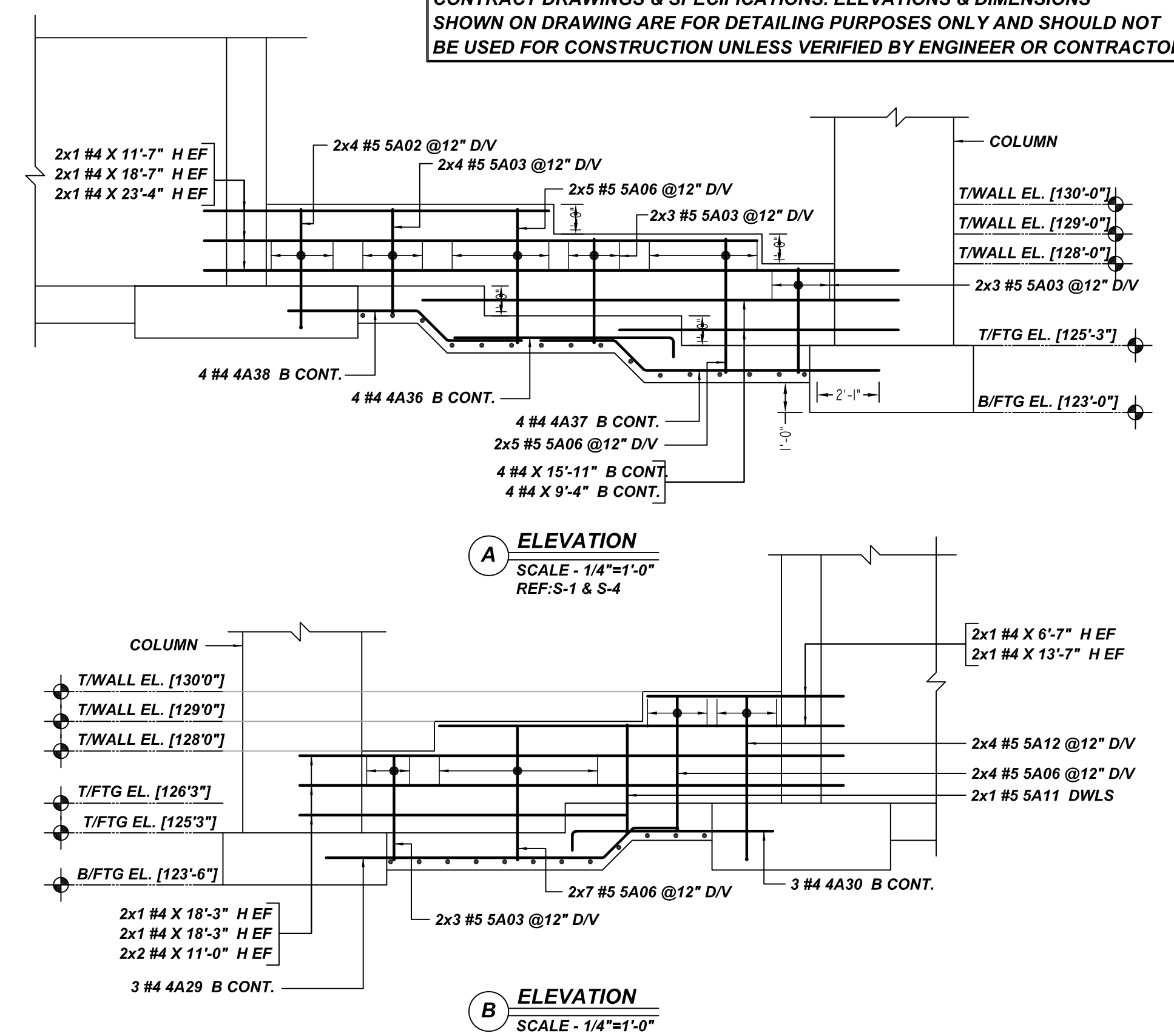
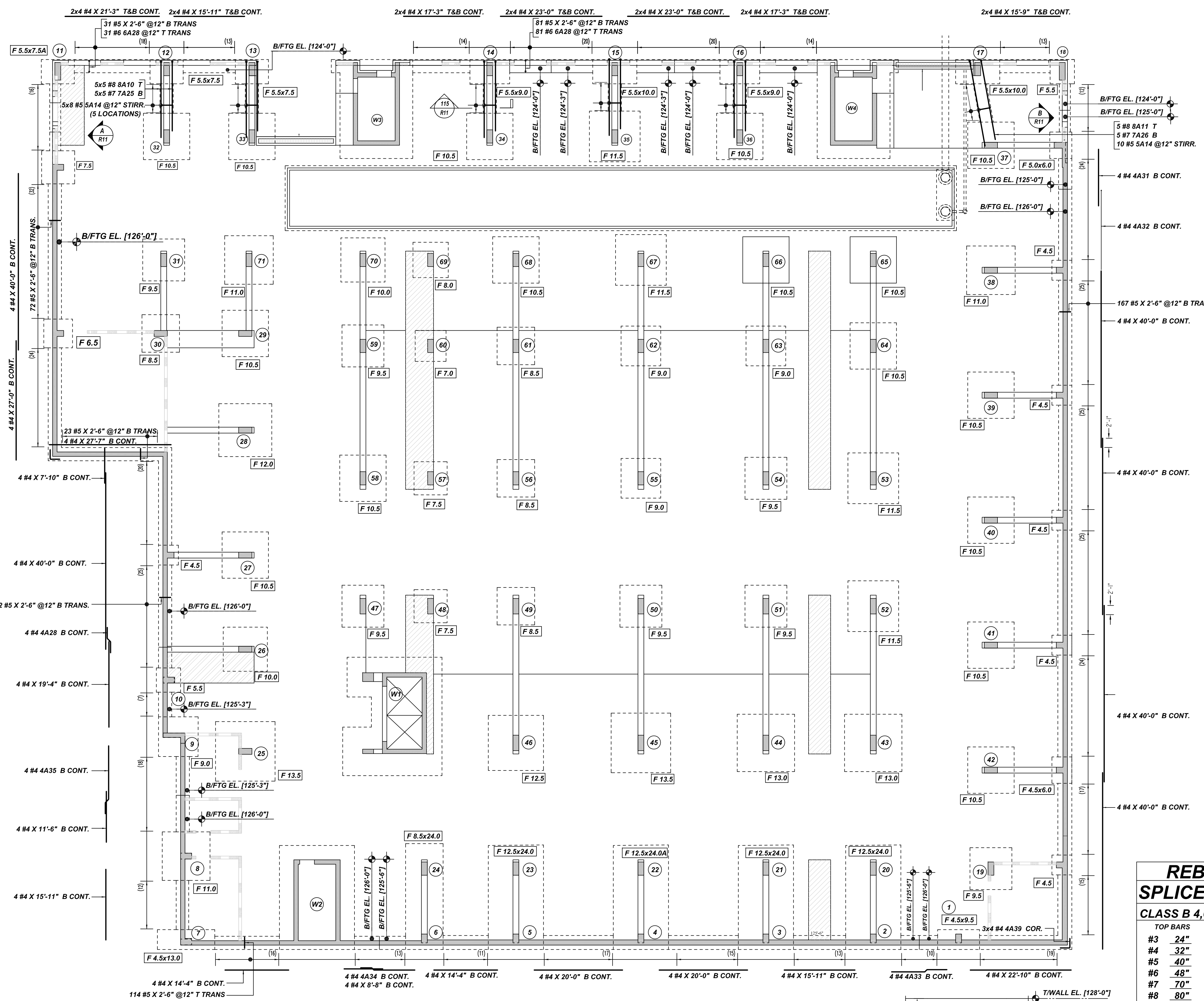
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	09.13.21				

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	09.13.21	M921P997	R09

NOTICE

SHORTAGES, IMPROPER FABRICATION OR CLAIMS FOR ANY OTHER REASON MUST BE REPORTED TO THIS COMPANY WITHIN 10 DAYS FROM ORIGINAL DELIVERY. THIS COMPANY ALSO RESERVES THE RIGHT TO FIELD INSPECT MATERIALS PRIOR TO REPLACEMENT OR RECONDITIONING OF MATERIALS AND WILL NOT BE LIABLE FOR CHARGES FROM WORK DONE IN THE FIELD WITHOUT PRIOR AUTHORIZATION FROM THIS COMPANY.

REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.



BAR LIST

Bar Mark	Qty	Size	Total Length	Type	X	Y	U	V	W	X	Y	U	V	W	X	Y	
4A28	4	#4	6'-0"	3		2'-6"	1'-0"	2'-6"									
4A29	3	#4	12'-3"	3		1'-6"	1'-5"	9'-4"									
4A30	3	#4	7'-5"	2		0'-8"	6'-8"										
4A31	4	#4	15'-3"	3		1'-5"	1'-5"	10'-4"									
4A32	4	#4	18'-5"	2		0'-8"	18'-5"										
4A33	4	#4	12'-8"	3		4'-5"	0'-8"	7'-6"									
4A34	4	#4	12'-5"	3		2'-8"	0'-8"	9'-3"									
4A35	4	#4	15'-8"	3		2'-8"	1'-0"	12'-1"									
4A36	4	#4	8'-0"	2		0'-8"	7'-4"										
4A37	4	#4	11'-9"	3		2'-6"	1'-5"	7'-10"									
4A38	4	#4	8'-3"	3		2'-6"	1'-5"	4'-4"									
4A39	12	#4	4'-4"	12		2'-2"	2'-2"										
5A02	8	#5	4'-10"	2		0'-10"	4'-0"										
5A03	26	#5	4'-4"	2		0'-10"	3'-6"										
5A06	42	#5	5'-4"	2		0'-10"	4'-6"										
5A11	2	#5	4'-6"	2		0'-10"	3'-8"										
5A12	8	#5	6'-4"	2		0'-10"	5'-6"										
5A14	50	#5	9'-5"	11		0'-5"	1'-7"	2'-8"									
6A28	112	#6	4'-2"	17		0'-10"	2'-6"	0'-10"									
7A25	25	#7	15'-11"	2		1'-7"	15'-9"										
7A28	5	#7	19'-4"	2		1'-7"	18'-7"										
8A10	25	#8	18'-7"	2		1'-4"	17'-3"										
8A11	5	#8	21'-0"	2		1'-4"	19'-8"										

LAP SCHEDULE

SIZE	5000 PSI	OTHERS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	63"	49"
#8	72"	55"
#9	81"	63"
#10	91"	70"
#11	101"	78"

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
FOOTING	3" CLR
WALL	2" CLR

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3 24"	#3 19"
#4 32"	#4 25"
#5 40"	#5 31"
#6 48"	#6 37"
#7 70"	#7 54"
#8 80"	#8 62"
#9 91"	#9 70"
#10 102"	#10 79"
#11 113"	#11 87"
#14	#14

ABBREVIATIONS

- ADD. = Additional
- B.O.W. = Bottom of wall
- C.B. = Corner Bars
- DIAG. = Diagonal
- D.O. = Door Opening
- D.W.L.S. = Dowels
- E.F. = Each Face
- E.S. = Each Side
- E.W. = Each Way
- F.T.G. = Footing
- F.F. = Far Face
- HORIZ. = Horizontal
- I.F. = Inside Face
- INTERS. = Intersection
- L.W. = long Way
- N.F. = Near Face
- O.F. = Outside Face
- S.W. = Short Way
- T&B = Top & Bottom
- T.O.W. = Top of Wall
- Trans. = Transverse
- VERT. = Vertical

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

FOUNDATION PLAN REINFORCEMENT DETAILS (PARKING LEVEL)
SCALE - 1/12"=1'-0" (SHOWING WALL FOOTING REINF.)
REF: S-1

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

44-IRVINE TURRNER BLVD
FOUNDATION REINFORCEMENT DETAILS
NEWARD, NEW JERSEY

CUSTOMER: JOE MAGGIO
DESIGNER: DHNS ENGINEERING

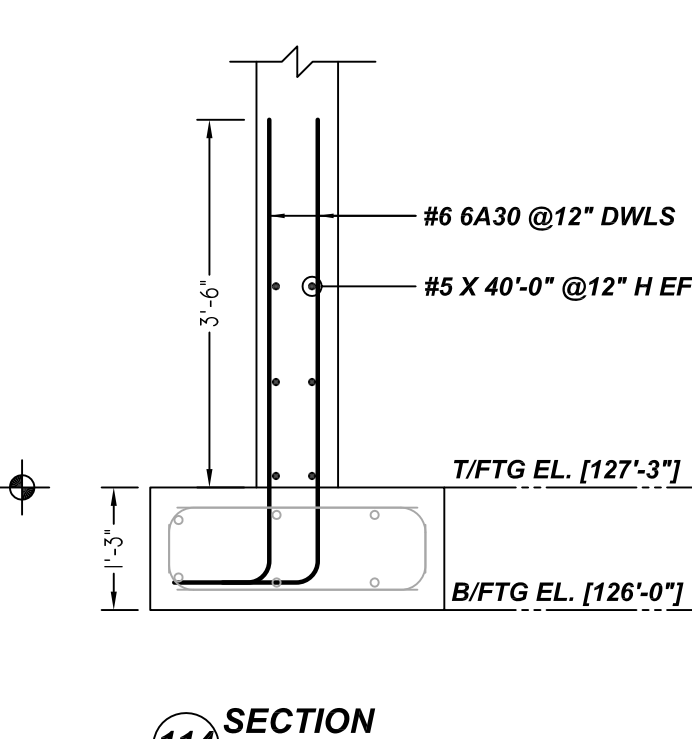
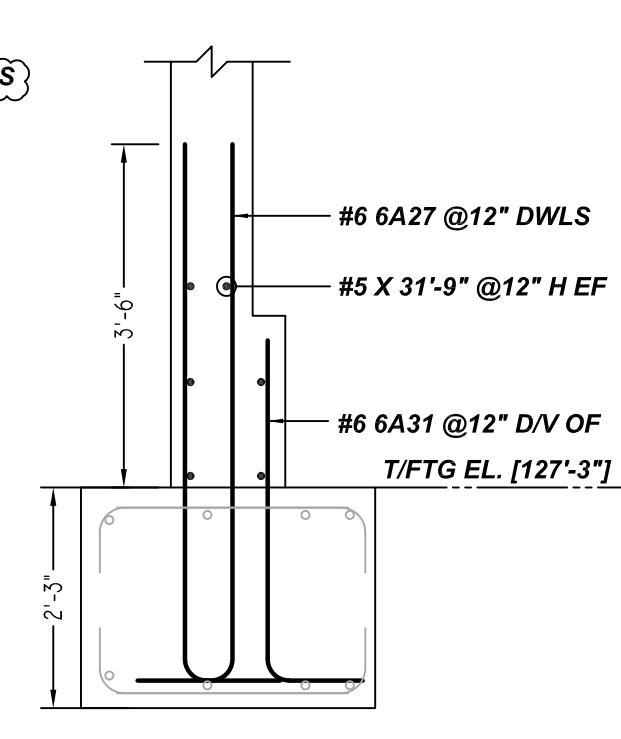
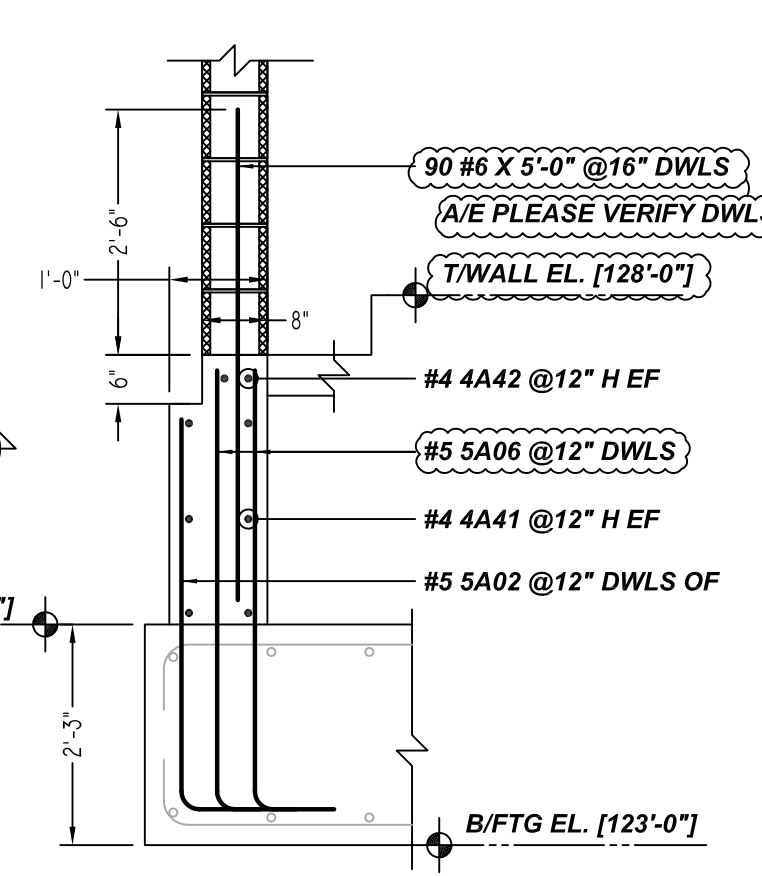
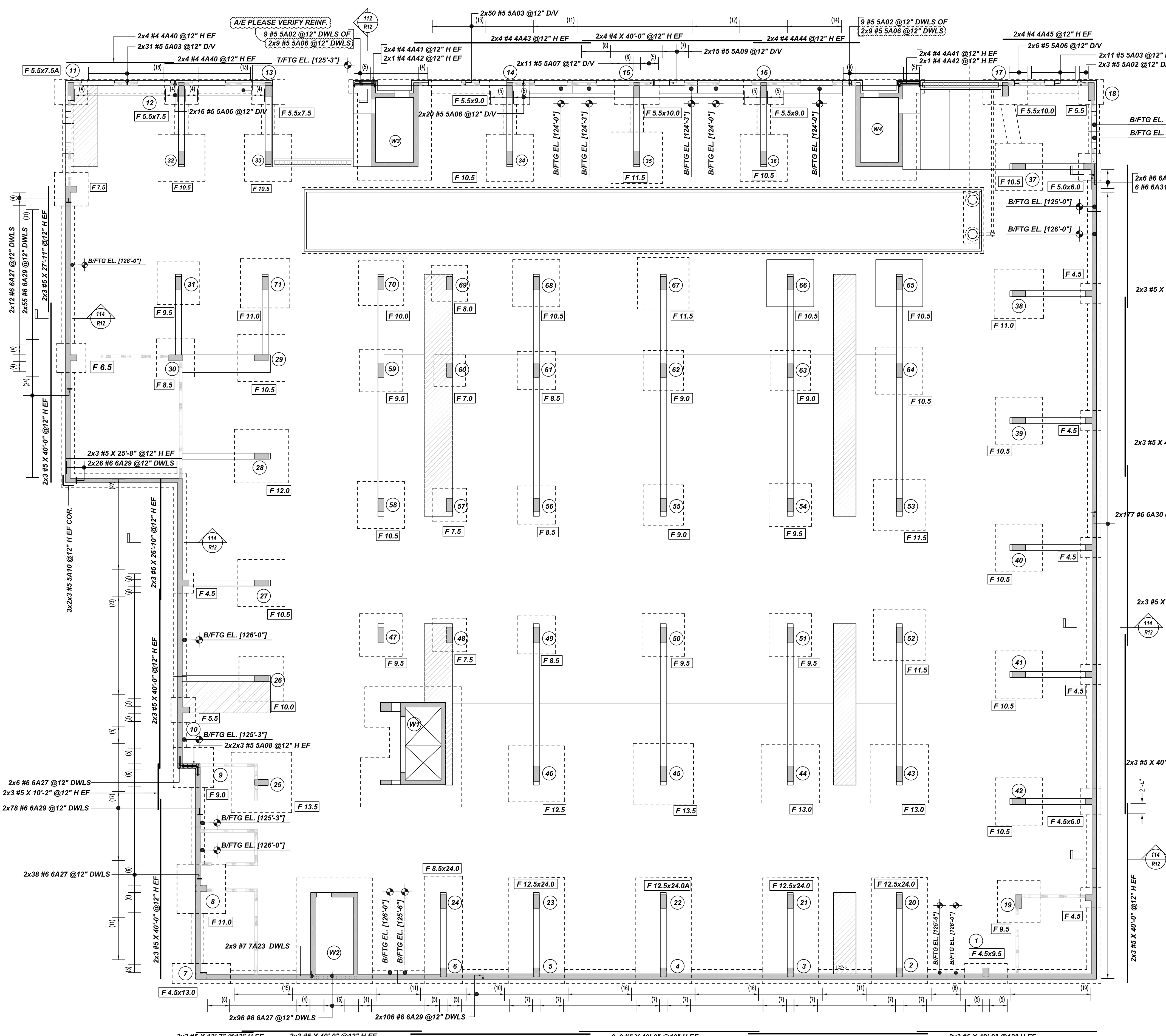
REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	09.13.21					

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	09.13.21	M921P997	R11

NOTICE

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Rebar List

Rebar No.	Qty	Size	Total Length	Type	X	Y	W	U	V	W	U	V	W	U	V
AA2	16	#4	24'-5"	2	0'-0"	25'-0"									
AA1	16	#4	6'-4"	2	0'-8"	5'-0"									
AA2	4	#4	5'-10"	2	0'-8"	4'-6"									
AA3	8	#4	40'-0"	2	0'-8"	39'-4"									
AA4	8	#4	24'-4"	2	0'-8"	23'-8"									
AA5	8	#4	21'-4"	2	0'-8"	20'-0"									
SA02	24	#5	4'-10"	2	0'-10"	4'-0"									
SA03	168	#5	4'-4"	2	0'-10"	3'-5"									
SA06	120	#5	5'-4"	2	0'-10"	4'-8"									
SA07	22	#5	5'-1"	2	0'-10"	4'-3"									
SA08	12	#5	5'-7"	17	2'-1"	3'-5"									
SA09	30	#5	4'-1"	2	0'-10"	3'-3"									
SA10	18	#5	4'-8"	17	2'-4"	2'-4"									
SA07	316	#6	6'-6"	2	1'-0"	5'-6"									
SA09	530	#6	5'-6"	2	1'-0"	4'-6"									
SA08	394	#6	5'-9"	2	1'-0"	4'-9"									
SA11	4	#6	4'-8"	2	1'-0"	3'-8"									
SA13	18	#7	7'-8"	2	1'-2"	6'-8"									

LAP SCHEDULE

SIZE	5000 PSI	
	TOP	OTHERS
#3	22"	17"
#4	29"	22"
#5	36"	28"
#6	43"	33"
#7	63"	49"
#8	72"	55"
#9	81"	63"
#10	91"	70"
#11	101"	78"

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
FOOTING	3" CLR
WALL	2" CLR

**ALL BARS IN THIS DRAWING
ASTM A615 GRADE 60
BLACK UNCOATED**

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3 24"	#3 19"
#4 32"	#4 25"
#5 40"	#5 31"
#6 48"	#6 37"
#7 70"	#7 54"
#8 80"	#8 62"
#9 91"	#9 70"
#10 102"	#10 79"
#11 113"	#11 87"
#14	#14

ABBREVIATIONS

- ADD. = Additional
- B.O.W. = Bottom of wall
- C.B. = Corner Bars
- DIAG. = Diagonal
- D.O. = Door Opening
- DWLS. = Dowels
- E.F. = Each Face
- E.S. = Each Side
- E.W. = Each Way
- FTG. = Footing
- F.F. = Far Face
- HORIZ. = Horizontal
- I.F. = Inside Face
- INTERS. = Intersection
- L.W. = Long Way
- N.F. = Near Face
- O.F. = Outside Face
- S.W. = Short Way
- T&B = Top & Bottom
- T.O.W. = Top of Wall
- Trans. = Transverse
- VERT. = Vertical

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

FOUNDATION PLAN REINFORCEMENT DETAILS (PARKING LEVEL)
SCALE - 1/12"=1'-0" (SHOWING WALL DOWELS)
REF-S-1

44-IRVINE TURRNER BLVD
FOUNDATION REINFORCEMENT DETAILS
NEWARD, NEW JERSEY

CUSTOMER: JOE MAGGIO
DESIGNER: DHNS ENGINEERING

REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	09.13.21					

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	09.13.21	M921P997	R12