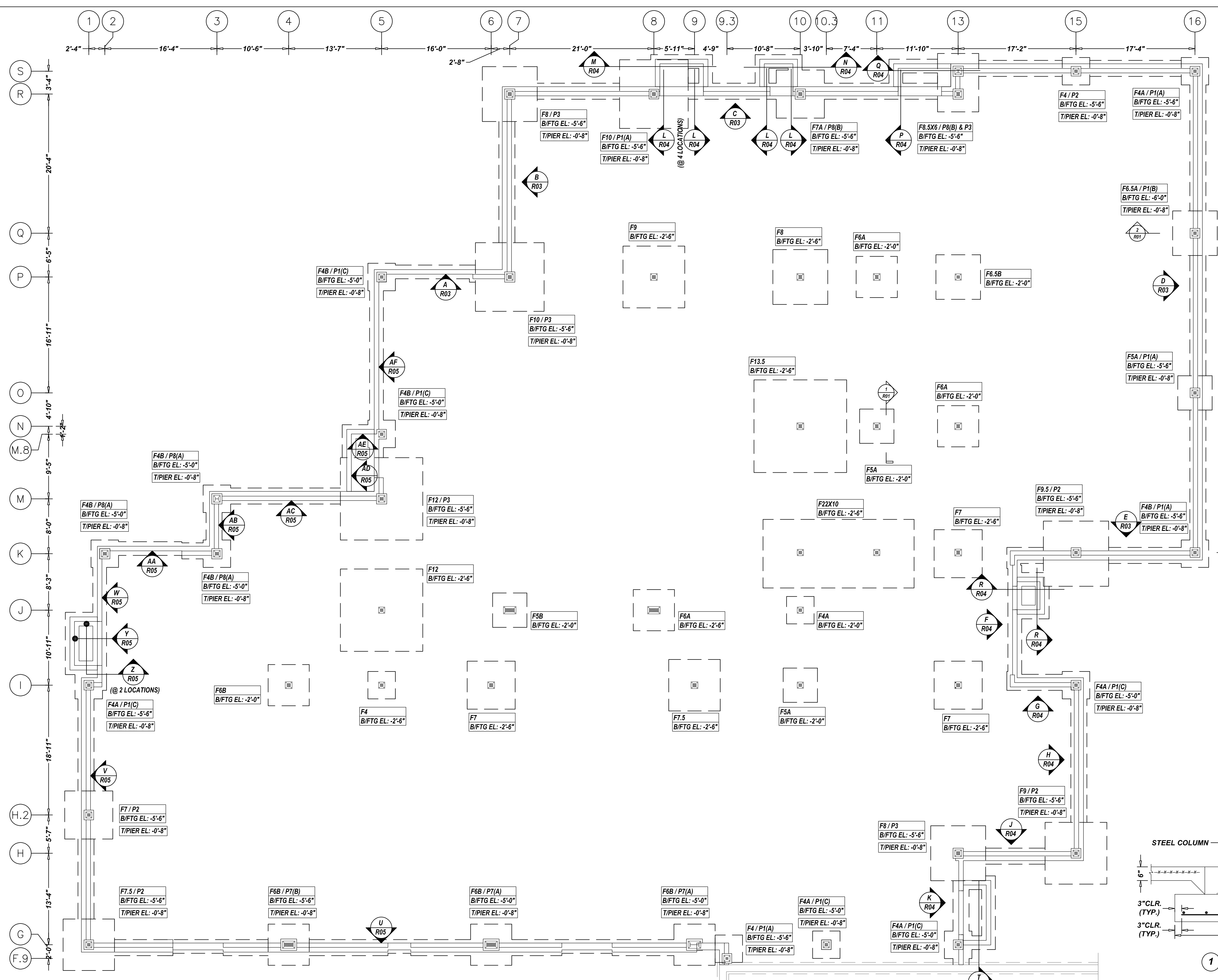


NOTICE
 SHORTAGES, IMPROPER FABRICATION OR CLAIMS FOR ANY OTHER REASON MUST BE REPORTED TO THIS COMPANY WITHIN 10 DAYS FROM ORIGINAL DELIVERY. THIS COMPANY ALSO RESERVES THE RIGHT TO FIELD INSPECT MATERIALS PRIOR TO REPLACEMENT OR RECONDITIONING OF MATERIALS AND WILL NOT BE LIABLE FOR CHARGES FROM WORK 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.

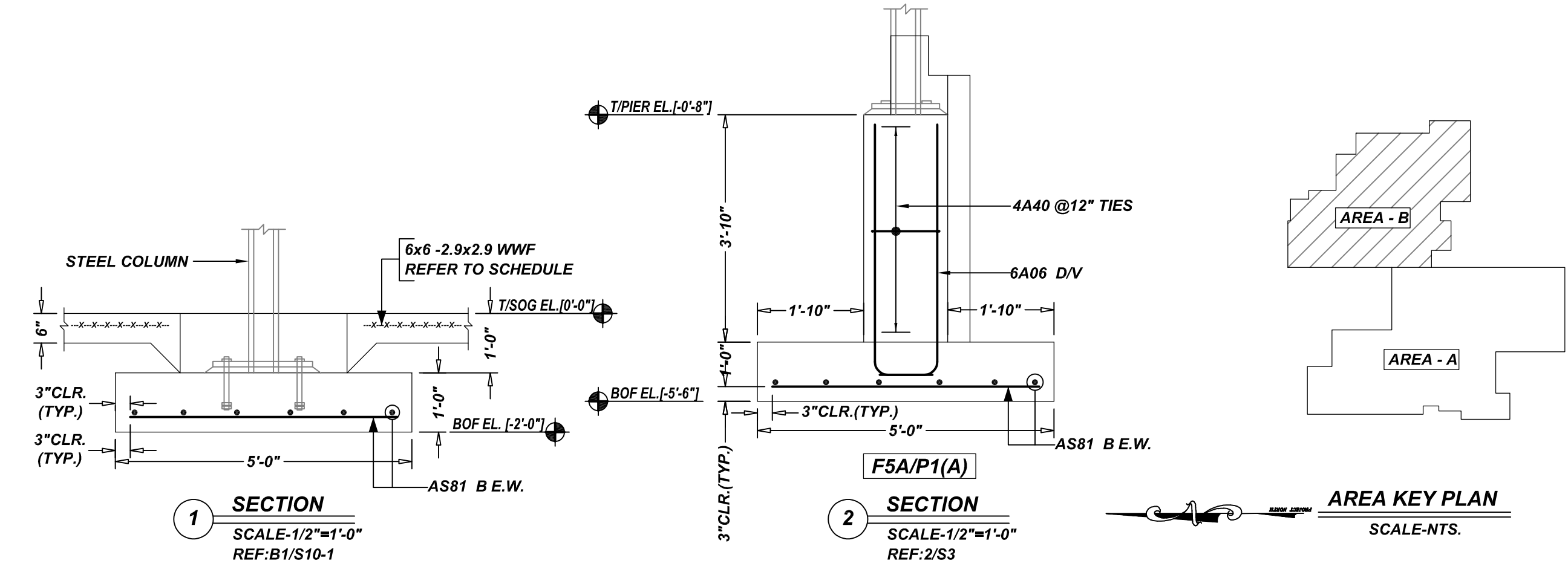


FOOTING SCHEDULE AREA B

MARK	SIZE	DEPTH	QTY	GRID LOCATION	REINFORCING	REMARK
F4	4'-0"x4'-0"	1'-6"	3	S-15, I-5, G-9.3	3x2x9 #5 X 3'-6" T.E.W. 3x2x9 #5 X 3'-6" B.E.W.	REFER SECTION - 1
F4A	4'-0"x4'-0"	1'-0"	6	S-16, J-10, I-1, I-15, G-10.3, G-13	6x2x6 #5 X 3'-6" B.E.W.	REFER SECTION - 1
F4B	4'-0"x4'-0"	1'-0"	6	P-5, M-8.5, M-3, K-2, K-3, L-16	6x2x7 #5 X 3'-6" B.E.W.	REFER SECTION - 1
F5A	5'-0"x5'-0"	1'-0"	3	O-16, N-11, I-10	3x2x6 #5 X 4'-6" B.E.W.	REFER SECTION - 1
F5B	5'-0"x5'-0"	1'-0"	1	J-7	2x6 #5 X 4'-6" B.E.W. 2x6 #5 X 4'-6" T.E.W.	REFER SECTION - 1
F6	6'-0"x6'-0"	1'-6"	1	G-4	2x8 #5 5A06 B.E.W. 2x8 #5 5A06 T.E.W.	REFER SECTION - 1
F6.5A	6'-6"x6'-6"	1'-6"	1	Q-16	2x9 #5 X 6'-0" B.E.W. 2x9 #5 X 6'-0" T.E.W.	REFER SECTION - 1
F6.5B	6'-6"x6'-6"	1'-0"	1	P-13	2x8 #5 X 6'-0" B.E.W. 2x8 #5 X 6'-0" T.E.W.	REFER SECTION - 1
F6A	6'-0"x6'-0"	1'-0"	3	P-11, O-13, J-8	3x2x8 #5 X 5'-6" B.E.W. 3x2x8 #5 X 5'-6" T.E.W.	REFER SECTION - 1
F6B	6'-0"x6'-0"	1'-0"	3	I-4, G-6, G-9	3x2x6 #5 X 3'-6" B.E.W.	REFER SECTION - 1
F7	7'-0"x7'-0"	1'-6"	4	L-13, I-13, I-6, H.2-1	4x2x9 #5 X 6'-6" B.E.W. 4x2x9 #5 X 6'-6" T.E.W.	REFER SECTION - 1
F7.5	7'-6"x7'-6"	1'-0"	2	I-9, G-1	2x2x7 #6 X 7'-0" B.E.W. 2x2x7 #6 X 7'-0" T.E.W.	REFER SECTION - 1
F7A	7'-0"x7'-0"	1'-0"	1	R-10	2x6 #5 X 6'-6" B.E.W.	REFER SECTION - 1
F8	8'-0"x8'-0"	1'-6"	3	R-7, P-10, H-13	3x2x9 #6 X 7'-6" B.E.W. 3x2x9 #6 X 7'-0" T.E.W.	REFER SECTION - 1
F8.5X6	6'-0"x8'-6"	1'-6"	1	R-13	2x2x8 #5 5A05 T&B L.W. 2x2x12 #5 X 5'-6" T&B S.W.	REFER SECTION - 1
F9	9'-0"x9'-0"	1'-6"	2	P-8, H-15	2x2x8 #6 X 8'-0" B.E.W.	REFER SECTION - 1
F9.5	9'-6"x9'-6"	1'-6"	1	L-15	2x9 #6 X 9'-0" B.E.W. 2x9 #6 X 9'-0" T.E.W.	REFER SECTION - 1
F10	10'-0"x10'-0"	1'-6"	2	P-7, R-8	2x2x9 #6 X 9'-6" B.E.W. 2x2x9 #6 X 9'-0" T.E.W.	REFER SECTION - 1
F12	12'-0"x12'-0"	1'-6"	2	M-5, J-5	2x2x11 #6 X 11'-6" B.E.W. 2x2x11 #6 X 11'-0" T.E.W.	REFER SECTION - 1
F13.5	13'-6"x13'-6"	1'-6"	1	N-10	2x12 #6 X 13'-0" B.E.W. 2x12 #6 X 13'-0" T.E.W.	REFER SECTION - 1
F22X10	10'-0"x22'-0"	1'-6"	1	L-10	2x2x9 #6 6A09 T&B L.W. 2x2x32 #6 X 9'-6" T&B S.W.	REFER SECTION - 1

PIER SCHEDULE AREA B

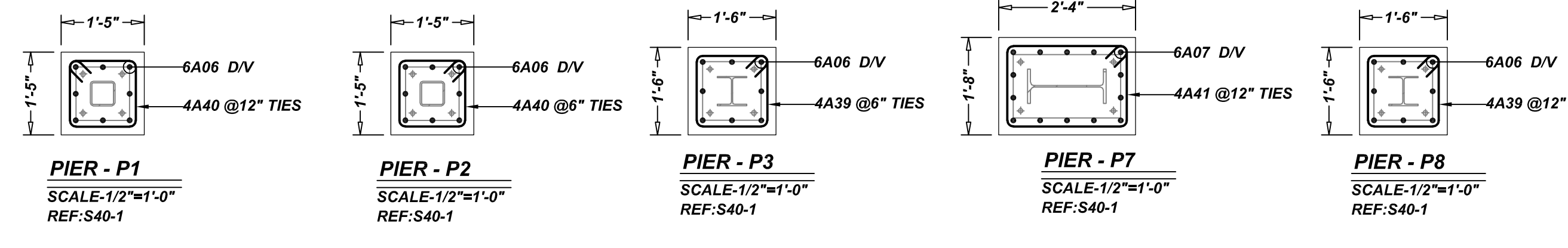
MARK	QTY	SIZE	GRID LOCATION	B/FTG	T/PIER	VERTS	TIES	REMARK
P1(A)	5	1'-5"x1'-5"	R-8, S-16, O-16, L-16, F.9-9.3	EL: -5'-6"	EL: -0'-8"	5x8 #6 6A06 D/V	5x5 #4 4A40 @12" TIES	REFER SECTION - 2
P1(B)	1	1'-5"x1'-5"	Q-16	EL: -6'-0"	EL: -0'-8"	8 #6 6A03 D/V	5 #4 4A40 @12" TIES	REFER SECTION - 2
P1(C)	6	1'-5"x1'-5"	I-15, G-10.3, G-13, I-1, M.8-5, P-5	EL: -5'-0"	EL: -0'-8"	6x8 #6 6A07 D/V	6x4 #4 4A40 @12" TIES	REFER SECTION - 2
P2	5	1'-5"x1'-5"	S-15, L-15, H-15, G-1, H.2-1	EL: -5'-6"	EL: -0'-8"	5x8 #6 6A06 D/V	5x8 #4 4A40 @6" TIES	REFER SECTION - 2
P3	5	1'-6"x1'-6"	H-13, S-13, R-7, P-7, M-5	EL: -5'-6"	EL: -0'-8"	5x8 #6 6A06 D/V	5x8 #4 4A39 @6" TIES	REFER SECTION - 2
P7(A)	2	1'-8"x2'-4"	G-6, G-9	EL: -5'-0"	EL: -0'-8"	2x14 #6 6A07 D/V	2x5 #4 4A41 @12" TIES	REFER SECTION - 2
P7(B)	2	1'-8"x2'-4"	G-4	EL: -5'-6"	EL: -0'-8"	14 #6 6A07 D/V	4 #4 4A41 @12" TIES	REFER SECTION - 2
P8(A)	4	1'-6"x1'-6"	R-10, M-3, K-3, K-2	EL: -5'-0"	EL: -0'-8"	4x8 #6 6A07 D/V	4x4 #4 4A39 @12" TIES	REFER SECTION - 2
P8(B)	4	1'-6"x1'-6"	R-10, M-3, K-3, K-2	EL: -5'-6"	EL: -0'-8"	8 #6 6A06 D/V	5 #4 4A39 @12" TIES	REFER SECTION - 2



GC PLEASE VERIFY COVER WE FOLLOWED (TYP.)

TYPICAL BAR CLEARANCE TABLE

FOOTING:
 BOTTOM: 3"
 SIDE: 3"
 PIER:
 TIES: 1 1/2"



Release Number: R01

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	BENDING DETAILS
439	64	#4	5'-9"	11	0'-4.4"	1'-3"	1'-3"	0'-4.4"
440	94	#4	5'-5"	11	0'-4.4"	1'-2"	1'-2"	0'-4.4"
441	14	#4	7'-9"	11	0'-4.4"	1'-5"	2'-1"	0'-4.4"
5A05	32	#5	9'-8"	2	0'-10"	8'-0"	1'-5"	0'-10"
5A06	32	#5	7'-2"	2	0'-10"	5'-8"	1'-5"	0'-10"
6A03	8	#6	5'-9"	2	1'-0"	4'-9"	1'-0"	0'-10"
6A06	128	#6	5'-3"	2	1'-0"	4'-3"	1'-0"	0'-10"
6A07	128	#6	4'-9"	2	1'-0"	3'-9"	1'-0"	0'-10"
6A09	36	#6	23'-8"	2	1'-0"	21'-6"	1'-0"	0'-10"

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 3,000 psi UNO

TOP BARS	OTHER BARS	ABBREVIATIONS	BAR MARK SIZE EQUIVALENT
#3 28"	#3 22"	ADD. = Additional	#3 #10
#4 37"	#4 29"	B.O.W. = Bottom of wall	#4 #13
#5 47"	#5 36"	C.B. = Corner Bars	#5 #16
#6 56"	#6 43"	DIAG. = Diagonal	#6 #19
#7 81"	#7 63"	D.O. = Door Opening	#7 #22
#8 93"	#8 72"	D.W.L.S. = Dowels	#8 #25
#9 105"	#9 81"	E.F. = Each Face	#9 #29
#10 118"	#10 91"	E.S. = Each Side	#10 #32
#11 131"	#11 101"	E.W. = Each Way	#11 #36
#14	#14	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.O.W. = Top of Wall	
		T&B = Top & Bottom	
		Trans. = Transverse	
		VERT. = Vertical	

PRESUMPCOT ELEMENTARY SCHOOL
 FOUNDATION REINFORCEMENT DETAILS AREA-B
PORTLAND, MAINE

CUSTOMER: GREAT FALLS CONSTRUCTION
 DESIGNER: HARRIMAN STRUCTURAL ENGINEER

DRAWN BY	DATE	JOB NO	SHEET NO.
KBS/MET	08.09.21	M921P844	R01

REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	08.09.21					

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.

FOOTING SCHEDULE AREA A

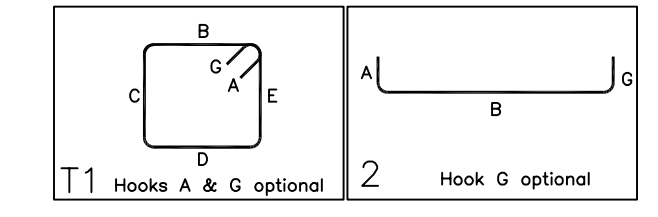
MARK	SIZE	DEPTH	QTY	GRID LOCATION	REINFORCING	REMARK
F4	4'-0"x4'-0"	1'-6"	3	F.3-11.7, F.3, 15.5, F-11.7, F-15.5	4x2x9 #5 X 3'-6" T.E.W. 4x2x9 #5 X 3'-6" B.E.W.	REFER SECTION - 1
F5	5'-0"x5'-0"	1'-6"	3	E-14	2x9 #5 X 4'-6" T.E.W. 2x9 #5 X 4'-6" B.E.W.	REFER SECTION - 1
F6	6'-0"x6'-0"	1'-6"	1	E-12	2x8 #5 5A06 B.E.W. 2x8 #5 5A06 T.E.W.	REFER SECTION - 1
F7.5	7'-6"x7'-6"	1'-6"	2	A-18, E-18	2x2x7 #6 X 7'-0" B.E.W. 2x2x7 #6 X 7'-0" T.E.W.	REFER SECTION - 1
F7.5A	7'-6"x7'-6"	1'-0"	1	D-14	2x7 #5 X 7'-0" B.E.W.	REFER SECTION - 1
F8	8'-0"x8'-0"	1'-6"	1	E-17	2x9 #6 X 7'-6" B.E.W. 2x9 #6 X 7'-6" T.E.W.	REFER SECTION - 1
F8.5	8'-6"x8'-6"	1'-6"	1	D-12	2x8 #6 6A08 B.E.W. 2x8 #6 6A08 T.E.W.	REFER SECTION - 1
F9	9'-0"x9'-0"	1'-6"	1	A-19	2x8 #6 X 8'-6" B.E.W.	REFER SECTION - 1
F9A	9'-0"x9'-0"	1'-6"	1	E-19	2x8 #6 X 8'-6" B.E.W.	REFER SECTION - 1
F11.5X6	6'-0"x11'-6"	1'-6"	1	A-17	2x8 #5 5A05 T&B L.W. 2x18 #5 X 11'-0" T&B S.W.	REFER SECTION - 1

PIER SCHEDULE AREA B

MARK	QTY	SIZE	GRID LOCATION	B/FTG	T/PIER	VERTS	TIES	REMARK
P1(A)	4	1'-5"x1'-5"	F.3-11.7, F.3-15.5, F-11.7, F-15.5	EL: -6'-6"	EL: -0'-8"	4x8 #6 6A04 D/V	4x5 #4 4A40 @12" TIES	REFER SECTION - 2
P1(B)	1	1'-5"x1'-5"	A-17	EL: -7'-0"	EL: -0'-8"	8 #6 6A01 D/V	6 #4 4A40 @12" TIES	REFER SECTION - 2
P2(A)	1	1'-5"x1'-5"	E-18	EL: -7'-0"	EL: -0'-8"	8 #6 6A01 D/V	10 #4 4A40 @6" TIES	REFER SECTION - 2
P2(B)	1	1'-5"x1'-5"	A-18	EL: -8'-0"	EL: -0'-8"	5 #6 6A02 D/V 3 #6 6A05 D/V	10 #4 4A40 @6" TIES	REFER SECTION - 2
P3	2	1'-6"x1'-6"	A-19, E-19	EL: -8'-0"	EL: -0'-8"	2x3 #6 6A02 D/V 2x5 #6 6A03 D/V	2x9 #4 4A39 @6" TIES	REFER SECTION - 2
P5(A)	2	2'-2"x2'-2"	E-12, D-12	EL: -5'-6"	EL: -0'-8"	2x12 #7 7A01 D/V	2x4 #4 4A38 @12" TIES	REFER SECTION - 2
P5(B)	1	2'-2"x2'-2"	D-14	EL: -5'-0"	EL: -0'-8"	12 #7 7A02 D/V	4 #4 4A38 @12" TIES	REFER SECTION - 2
P6	1	1'-8"x2'-2"	D-14	EL: -7'-0"	EL: -0'-8"	14 #6 6A01 D/V	10 #4 4A37 @6" TIES	REFER SECTION - 2

Release Number: R02

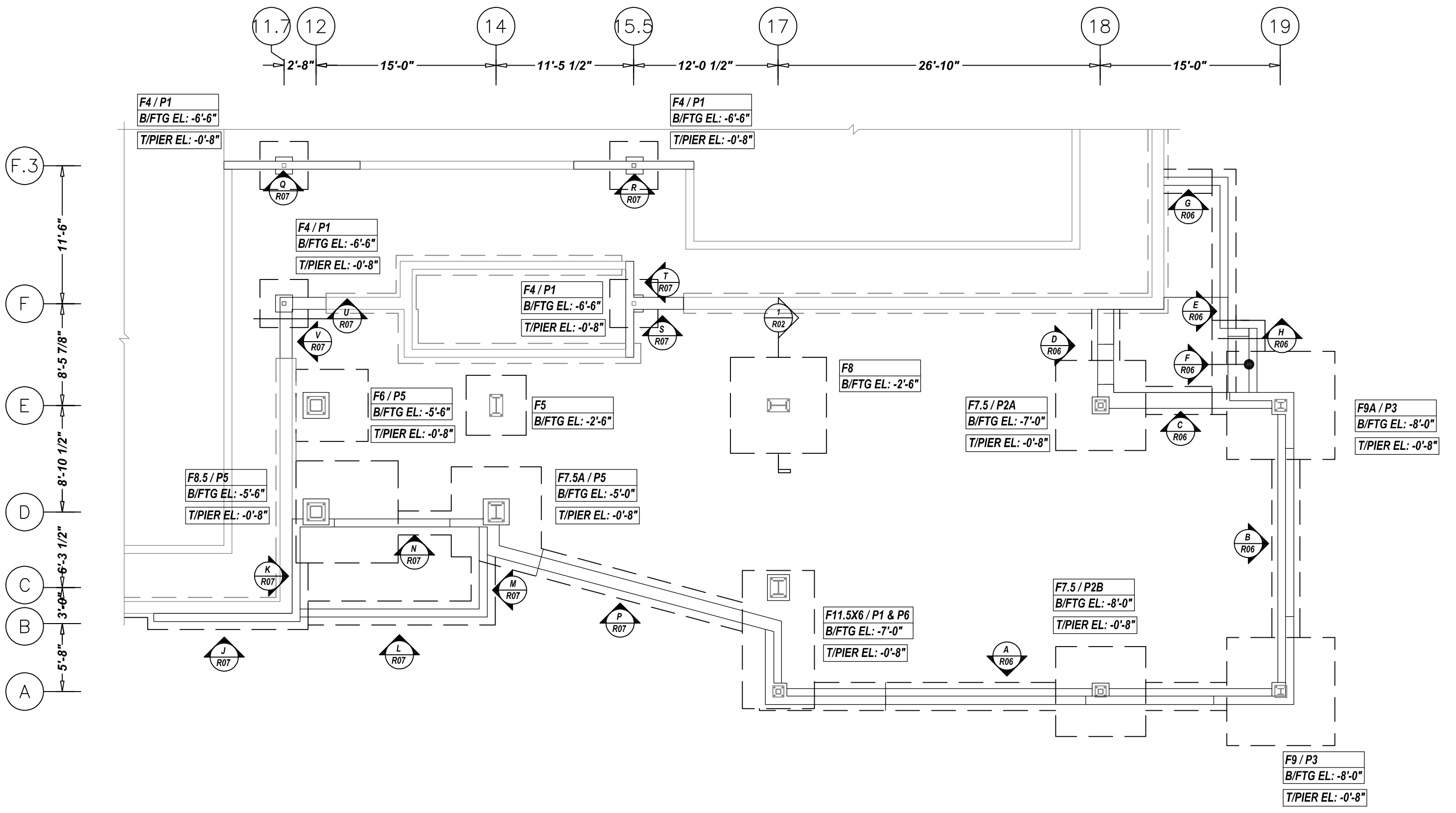
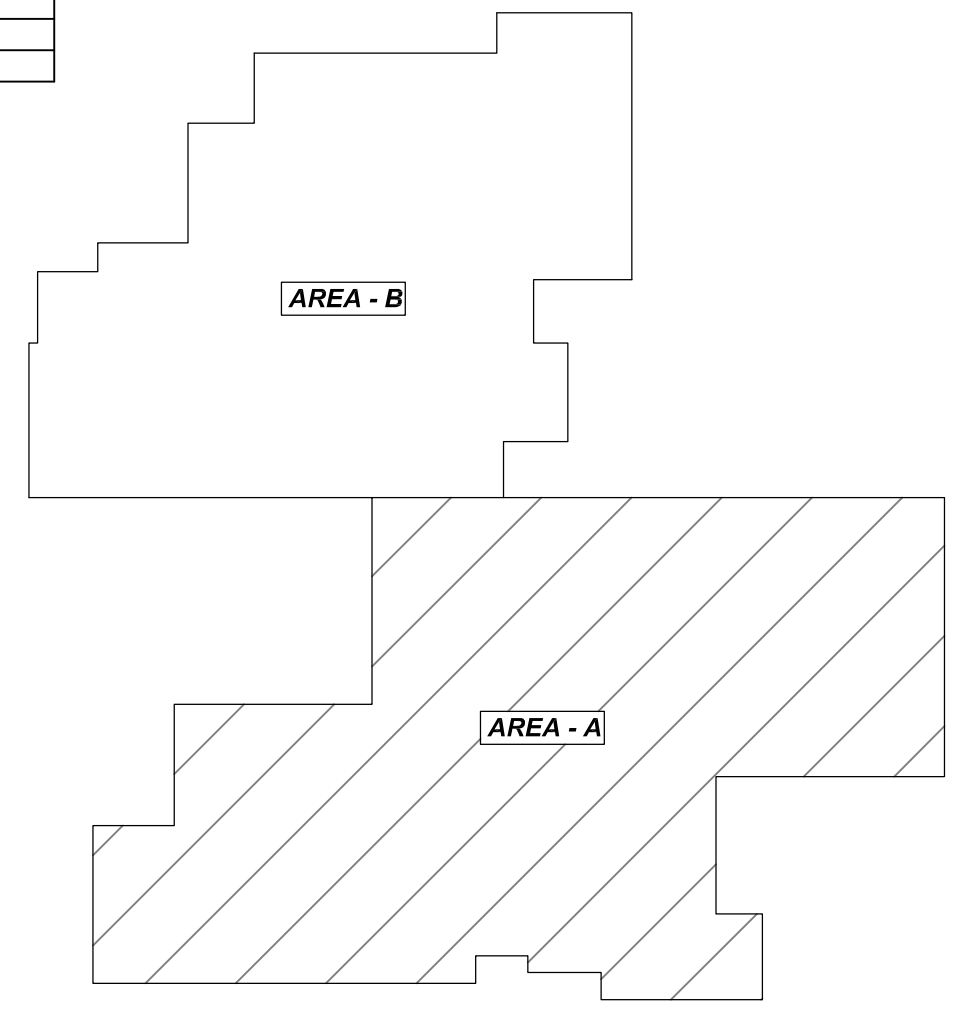
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
4437	18	#4	7'-0"	11	0'-4 1/2"	1'-2"	1'-11"	1'-7"	1'-11"																					
4438	12	#4	8'-0"	11	0'-4 1/2"	1'-11"	1'-11"	1'-11"	1'-11"																					
4439	18	#4	5'-0"	11	0'-4 1/2"	1'-3"	1'-3"	1'-3"	1'-3"																					
4440	46	#4	5'-0"	11	0'-4 1/2"	1'-2"	1'-2"	1'-2"	1'-2"																					
5A05	16	#5	9'-8"	2	0'-10"	8'-0"																								
5A06	32	#5	7'-2"	2	0'-10"	5'-6"																								
6A01	30	#6	6'-8"	2	1'-0"	5'-9"																								
6A02	14	#6	7'-9"	2	1'-0"	6'-9"																								
6A03	10	#6	5'-9"	2	1'-0"	4'-9"																								
6A04	32	#6	6'-3"	2	1'-0"	5'-3"																								
6A05	3	#6	6'-5"	2	1'-0"	5'-5"																								
6A08	32	#6	10'-0"	2	1'-0"	8'-0"																								
7A01	24	#7	5'-5"	2	1'-2"	4'-3"																								
7A02	12	#7	4'-11"	2	1'-2"	3'-9"																								



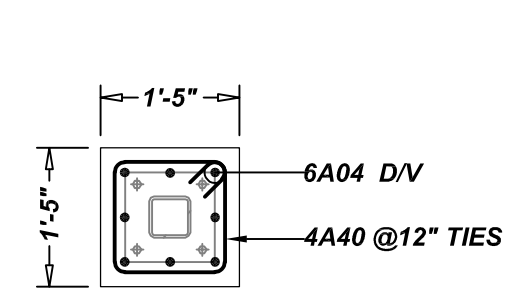
GC PLEASE VERIFY COVER WE FOLLOWED (TYP.)

TYPICAL BAR CLEARANCE TABLE

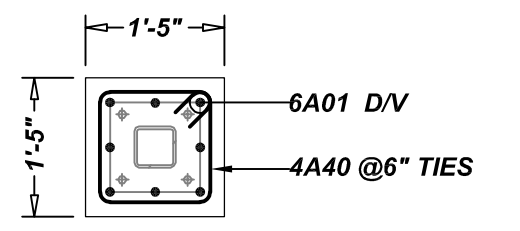
FOOTING:-
 BOTTOM : 3"
 SIDE : 3"
PIER:-
 TIES : 1 1/2"



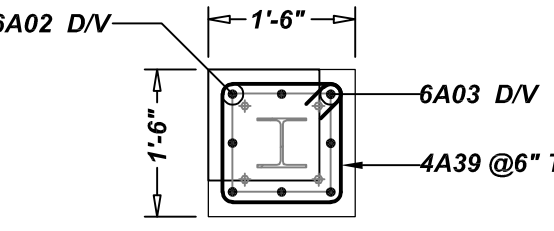
FOUNDATION REINFORCEMENT DETAILS AREA - A
 SCALE: 1/8"=1'-0"
 REF: S10-1 & S40-1



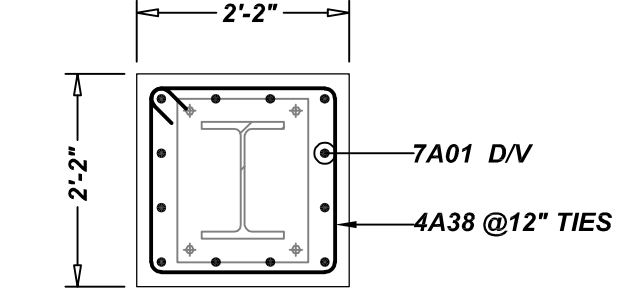
PIER - P1
 SCALE: 1/2"=1'-0"
 REF: S40-1



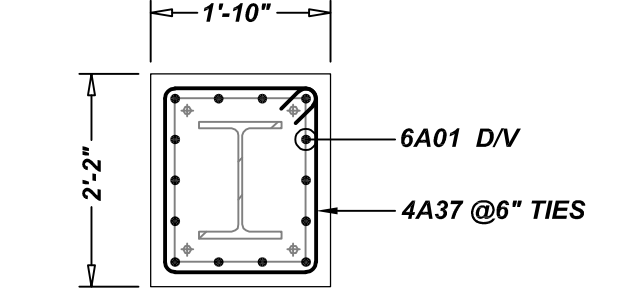
PIER - P2
 SCALE: 1/2"=1'-0"
 REF: S40-1



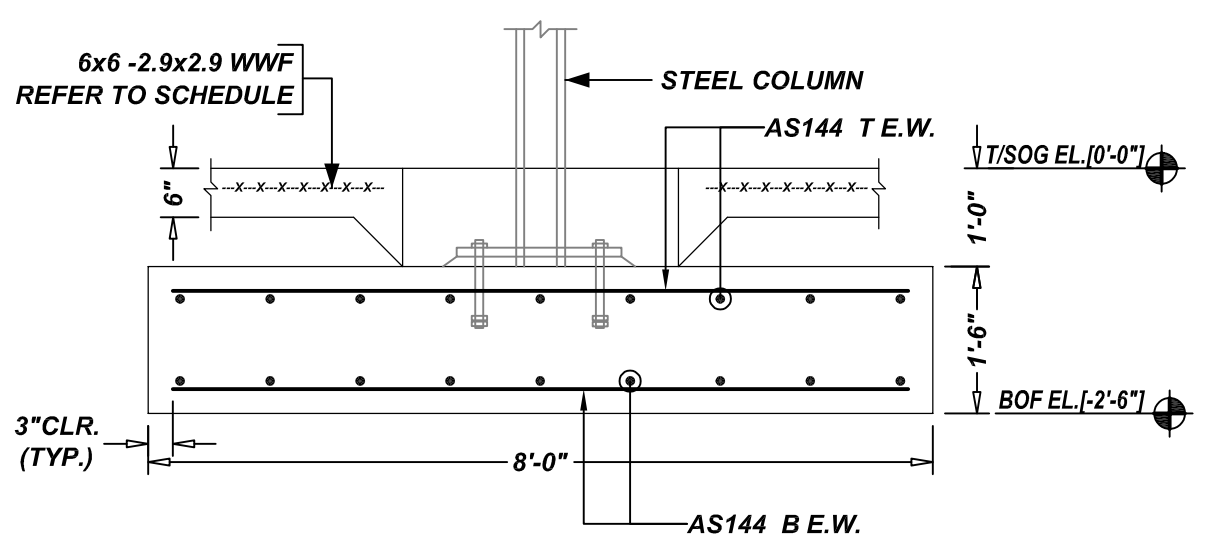
PIER - P3
 SCALE: 1/2"=1'-0"
 REF: S40-1



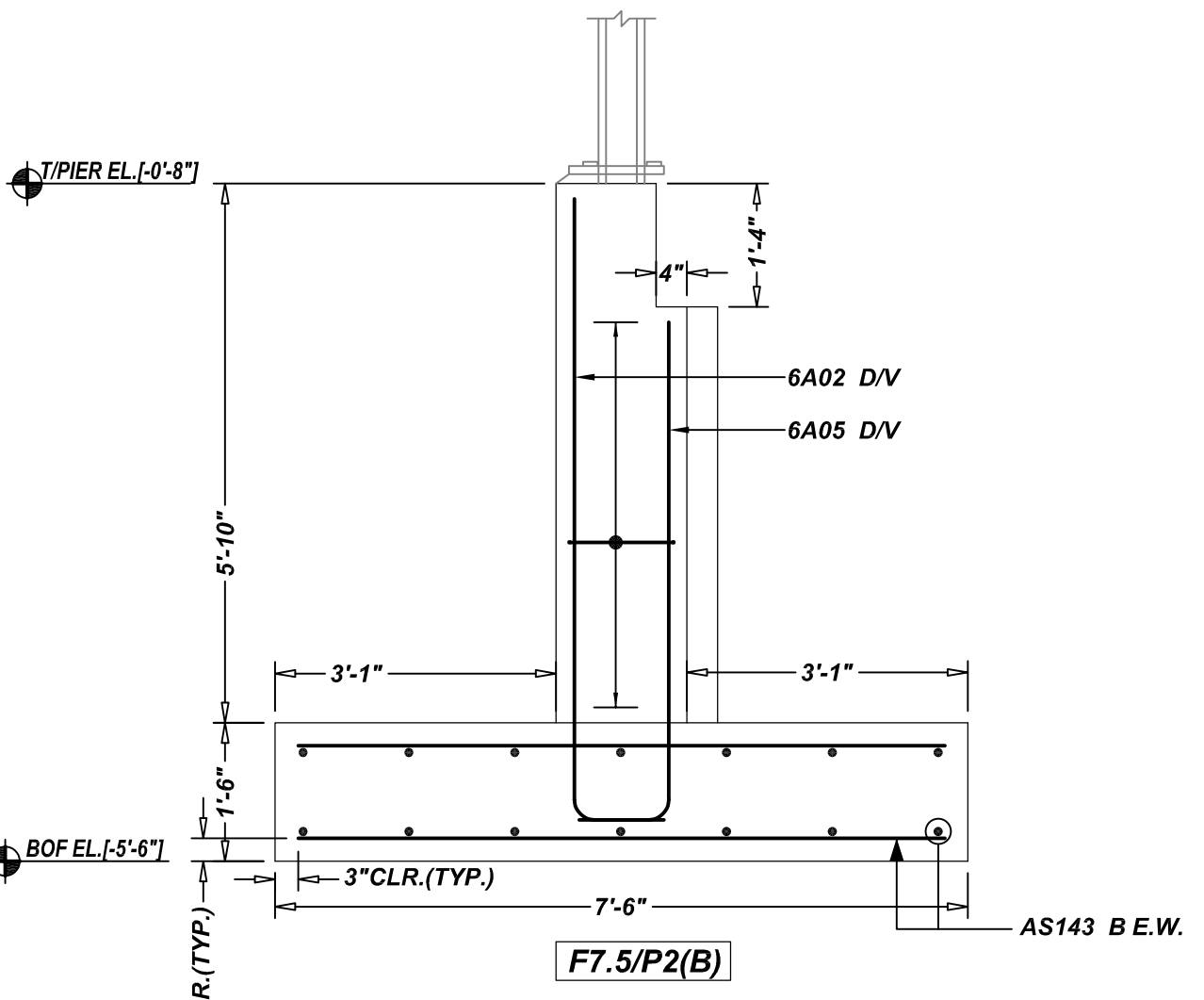
PIER - P5
 SCALE: 1/2"=1'-0"
 REF: S40-1



PIER - P6
 SCALE: 1/2"=1'-0"
 REF: S40-1



SECTION 1
 SCALE: 1/2"=1'-0"
 REF: A3/S10-1



SECTION 2
 SCALE: 1/2"=1'-0"
 REF: 2/S3

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 3,000 psi UNO

TOP BARS	OTHER BARS
#3 28"	#3 22"
#4 37"	#4 29"
#5 47"	#5 36"
#6 56"	#6 43"
#7 81"	#7 63"
#8 93"	#8 72"
#9 105"	#9 81"
#10 118"	#10 91"
#11 131"	#11 101"
#14	#14

ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
ADD.	= Additional	Imperial	Soft Metric
B.O.W.	= Bottom of wall	#3	#10
C.B.	= Corner Bars	#4	#13
DIAG.	= Diagonal	#5	#16
D.O.	= Door Opening	#6	#19
D.W.L.S.	= Dowels	#7	#22
E.F.	= Each Face	#8	#25
E.S.	= Each Side	#9	#29
E.W.	= Each Way	#10	#32
FTG.	= Footing	#11	#36
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		

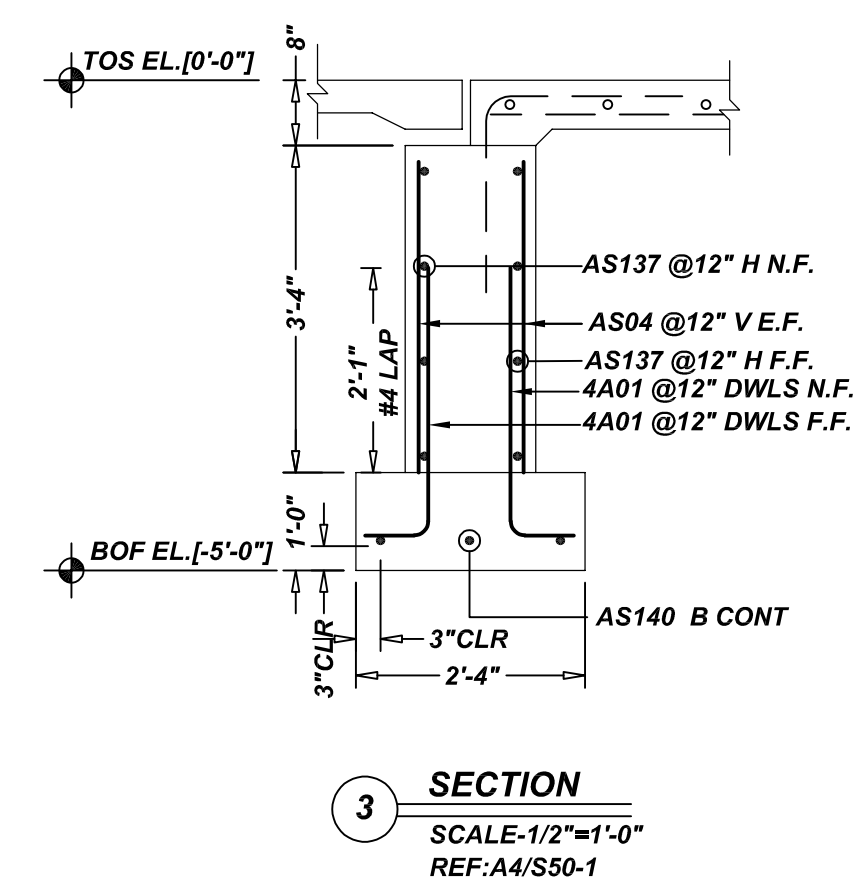
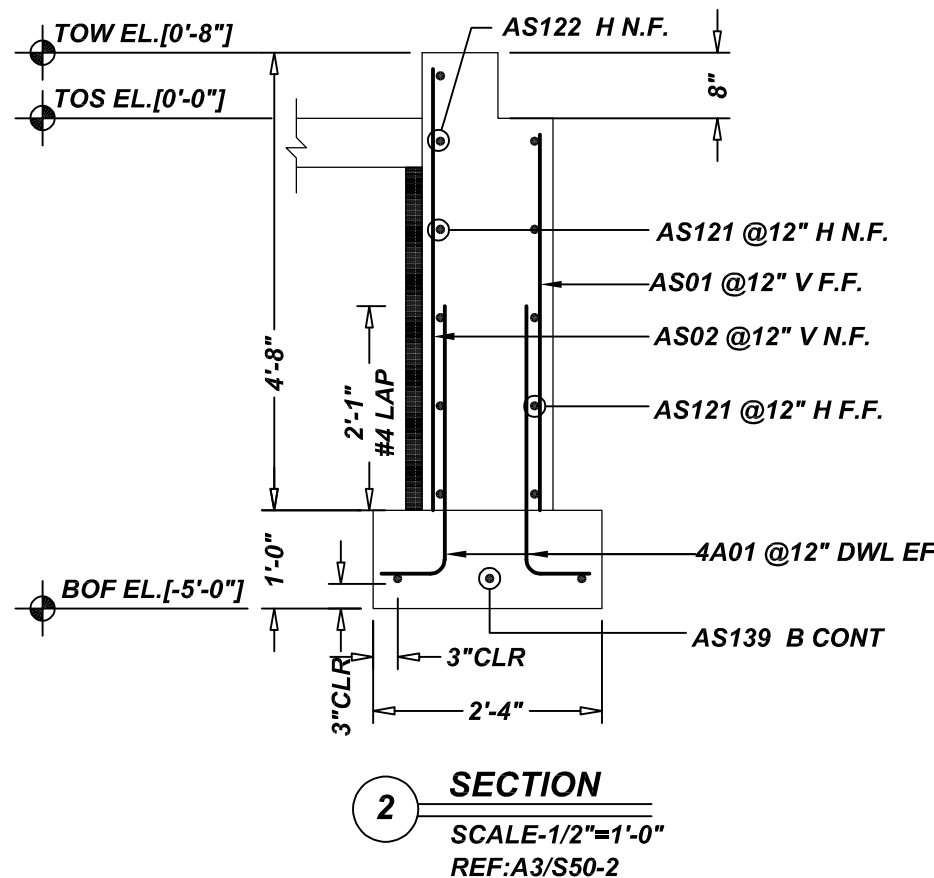
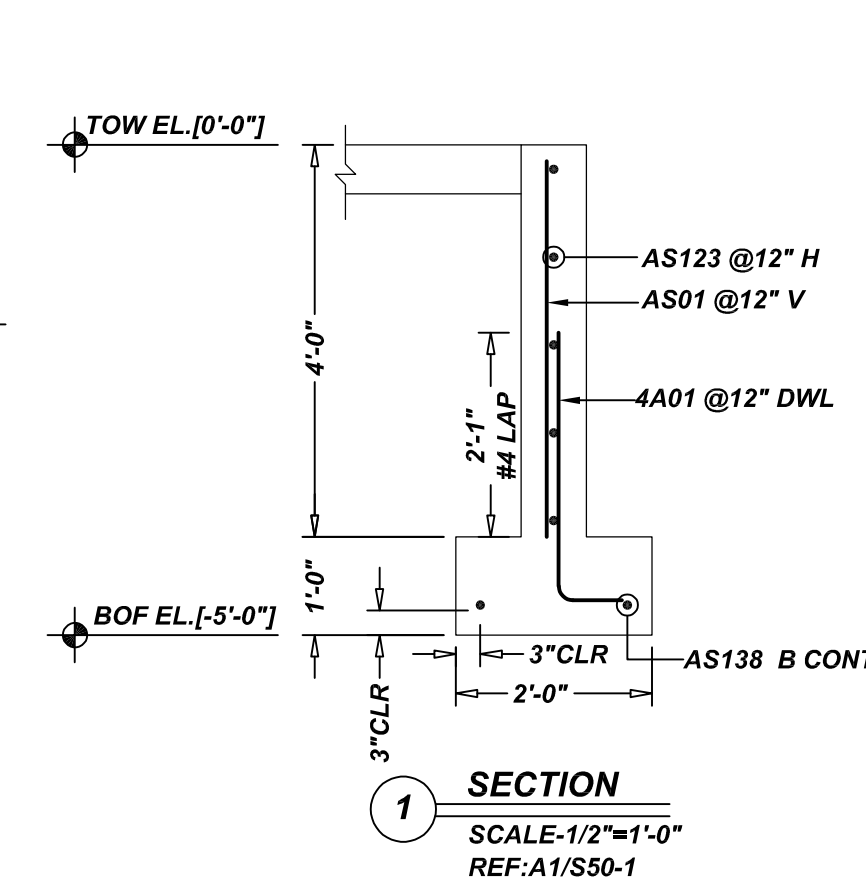
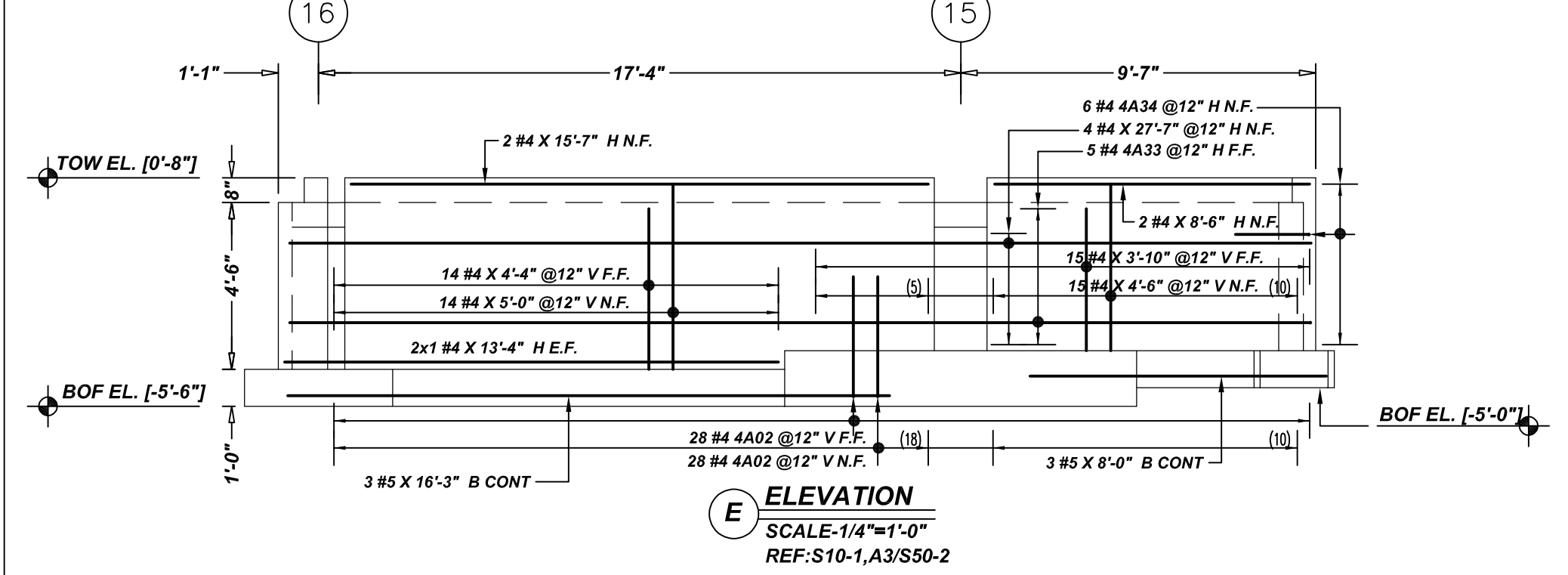
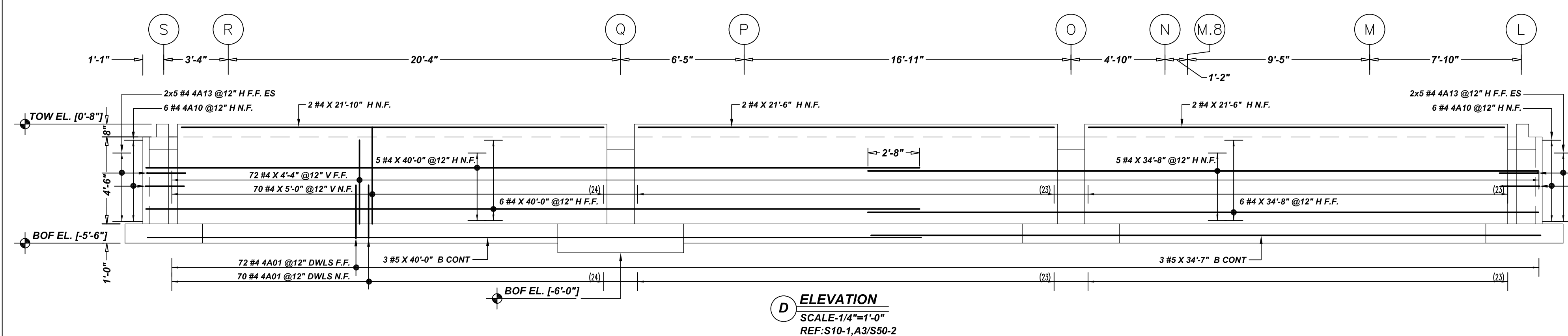
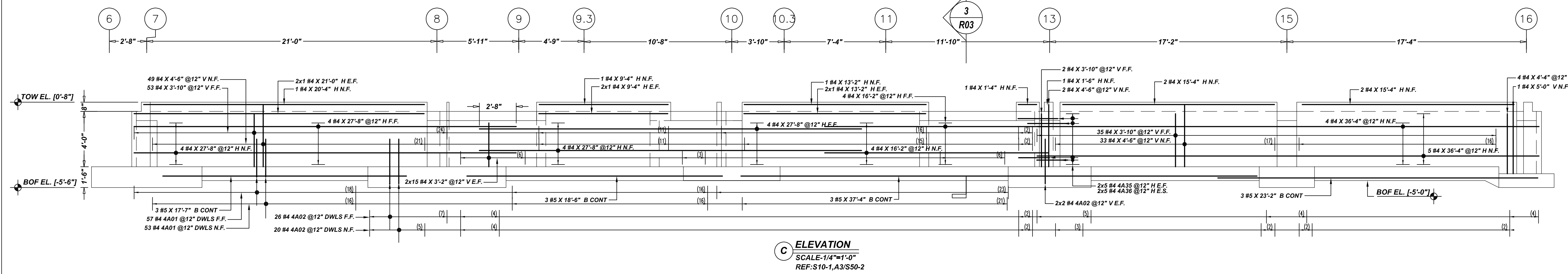
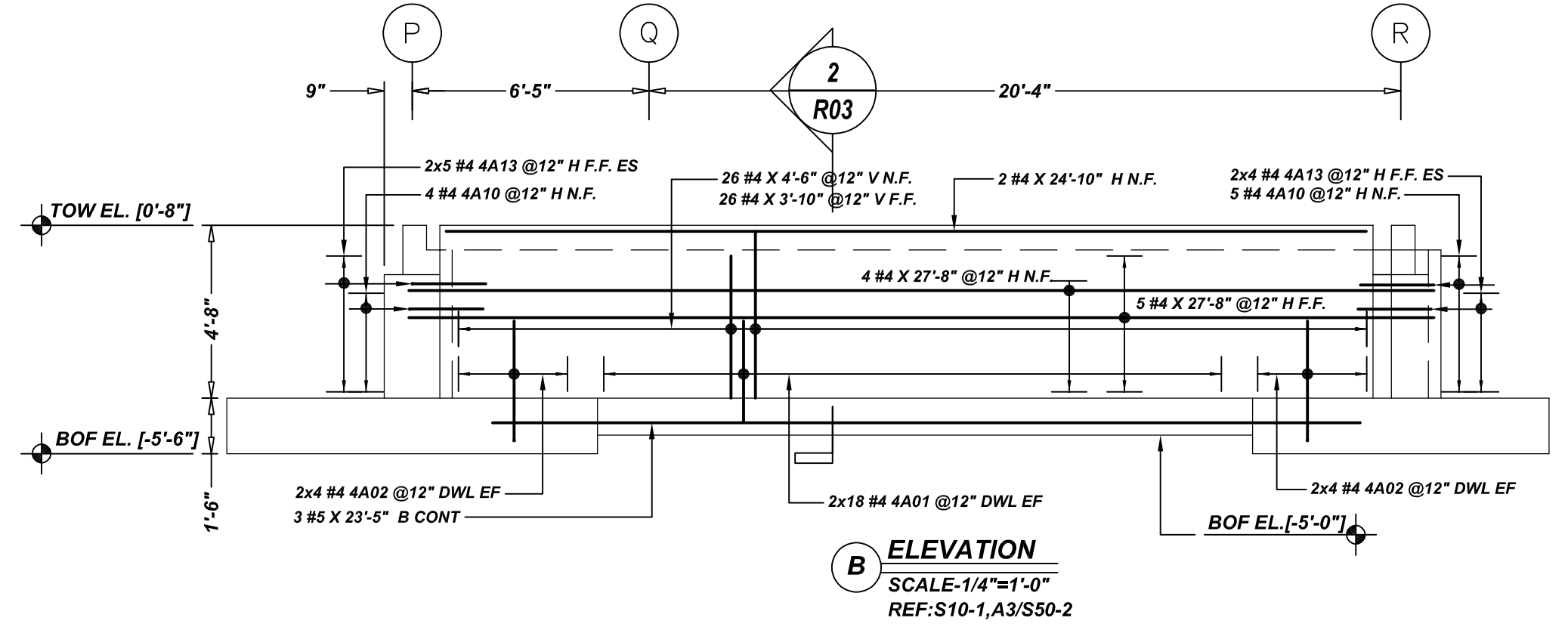
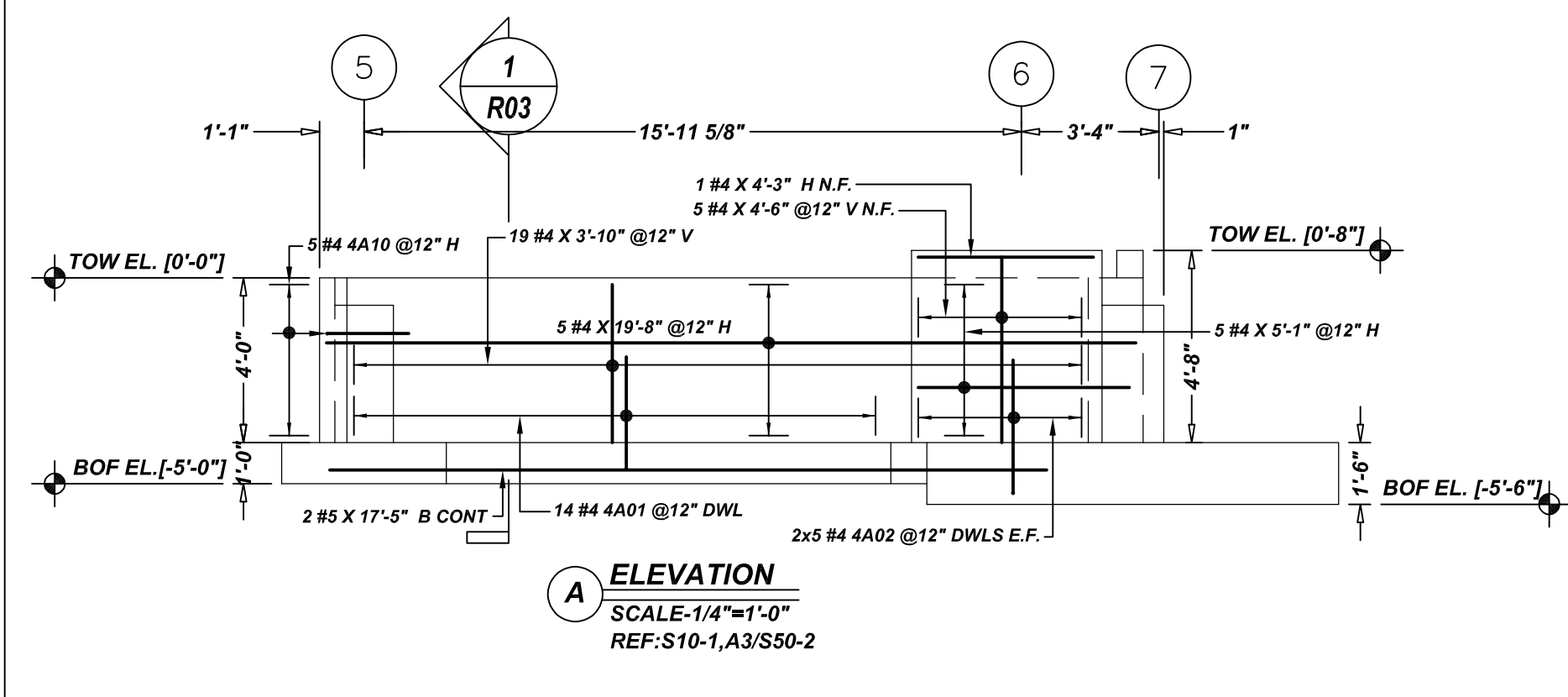
PRESUMPCOT ELEMENTARY SCHOOL
 FOUNDATION REINFORCEMENT DETAILS AREA-A
PORTLAND, MAINE

CUSTOMER: GREAT FALLS CONSTRUCTION
 DESIGNER: HARRIMAN STRUCTURAL ENGINEER

DRAWN BY	DATE	JOB NO	SHEET NO.
KBS/MET	08.09.21	M921P844	R02

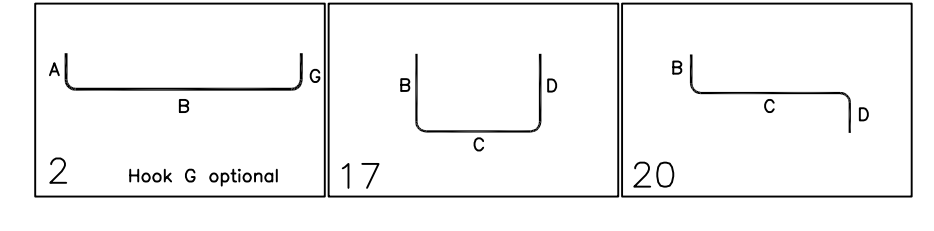
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	08.09.21				

NOTICE
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Release Number: R03

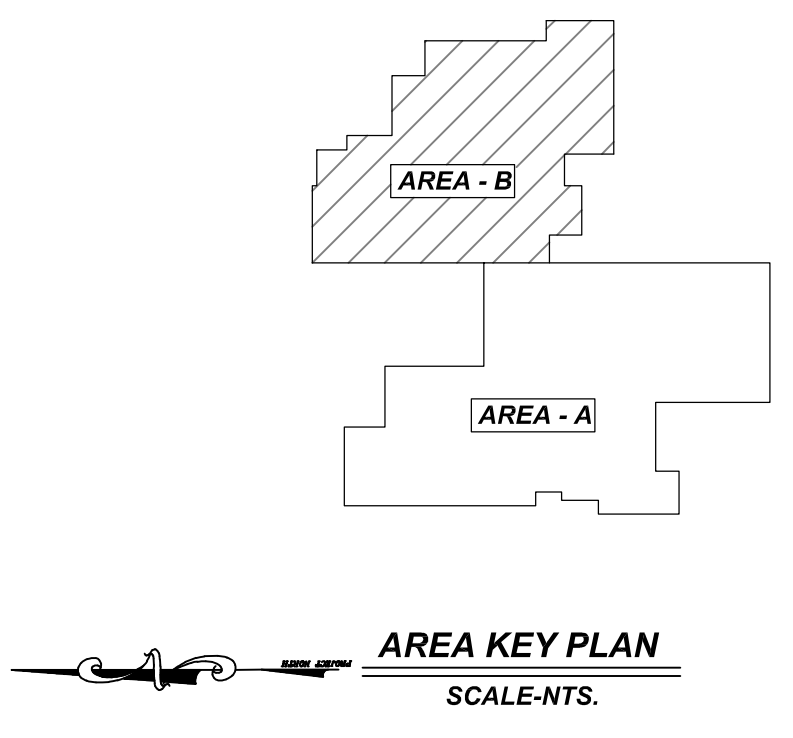
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4A02	132	#4	3'-11"	2	0'-8"	3'-3"							
4A10	26	#4	4'-0"	17	0'-8"	2'-0"							
4A13	38	#4	2'-9"	2	0'-8"	2'-0"							
4A33	5	#4	26'-3"	2	0'-8"	27'-7"							
4A34	6	#4	3'-9"	17	0'-8"	2'-0"							
4A35	10	#4	6'-11"	20	0'-8"	4'-0"	2'-3"						
4A36	10	#4	2'-11"	2	0'-8"	2'-3"							



TYPICAL BAR CLEARANCE TABLE

FOOTING:-
 BOTTOM : 3"
 SIDE : 3"
 PIER:-
 TIES : 1 1/2"

GC PLEASE VERIFY COVER WE FOLLOWED (TYP.)



REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 3,000 psi UNO

TOP BARS	OTHER BARS
#3 28"	#3 22"
#4 37"	#4 29"
#5 47"	#5 36"
#6 56"	#6 43"
#7 81"	#7 63"
#8 93"	#8 72"
#9 105"	#9 81"
#10 118"	#10 91"
#11 131"	#11 101"
#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.S.	= 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		

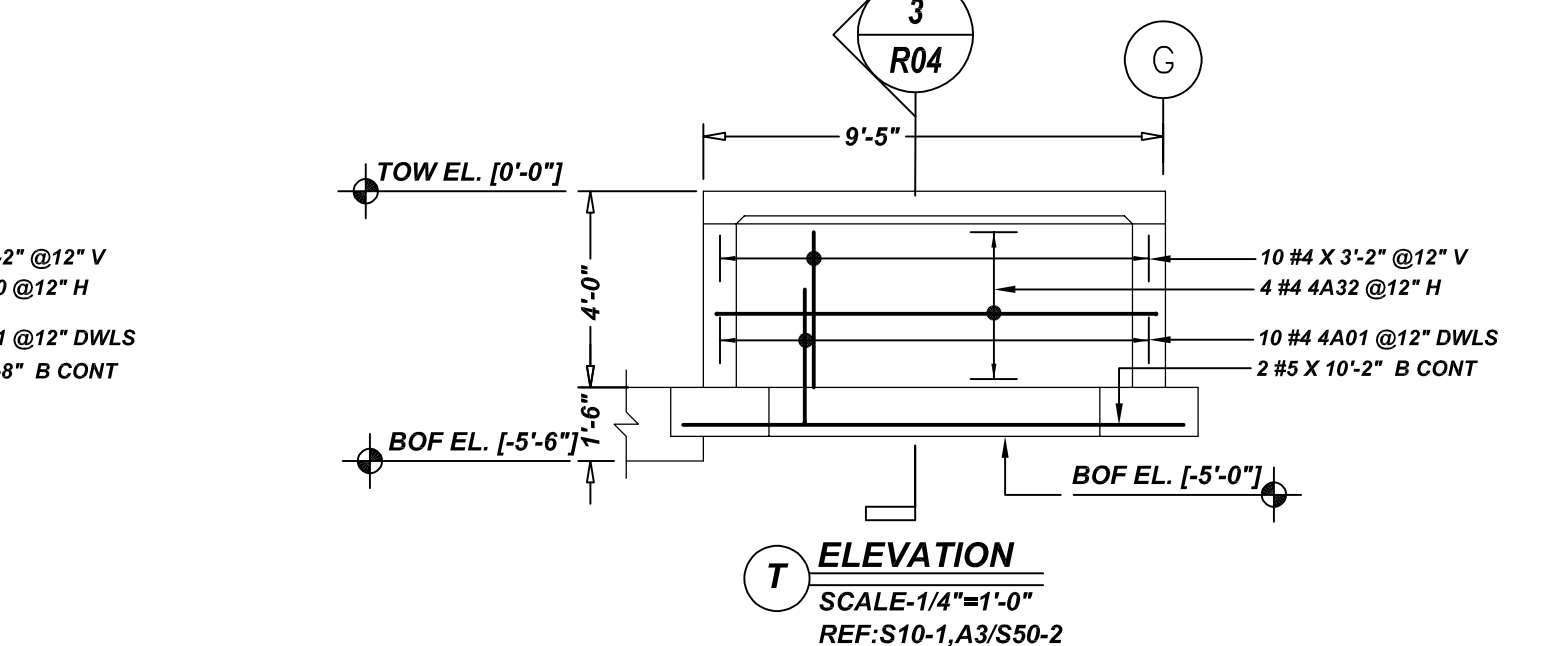
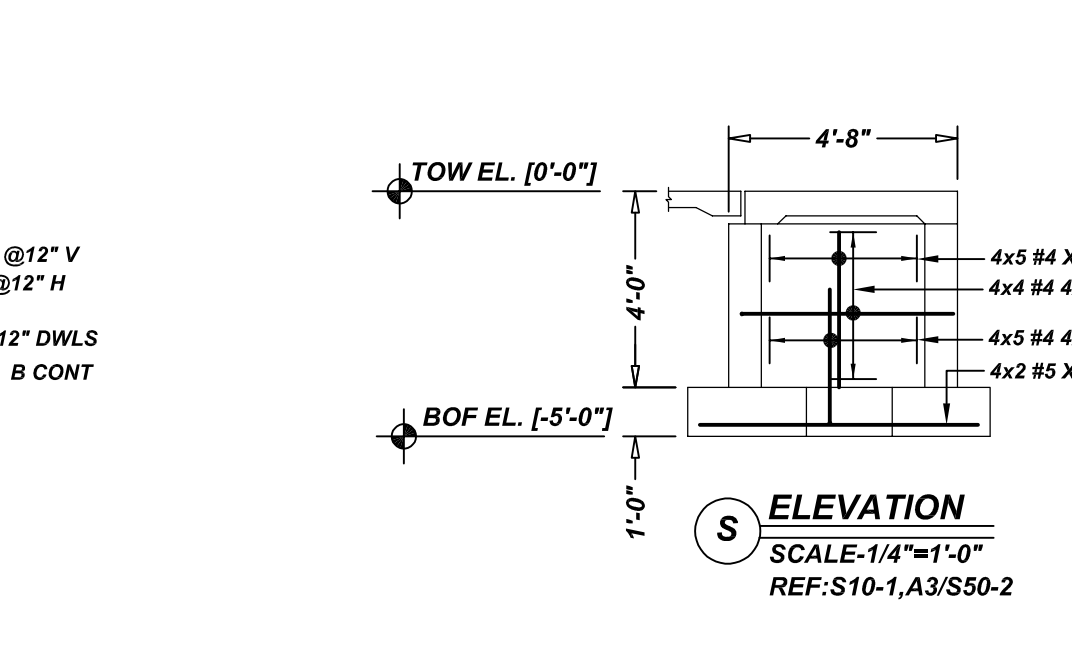
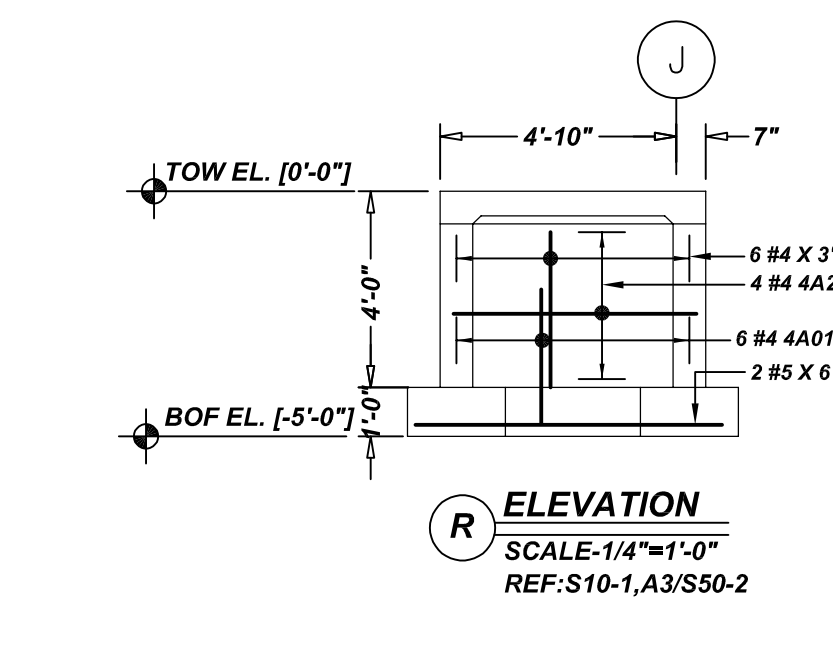
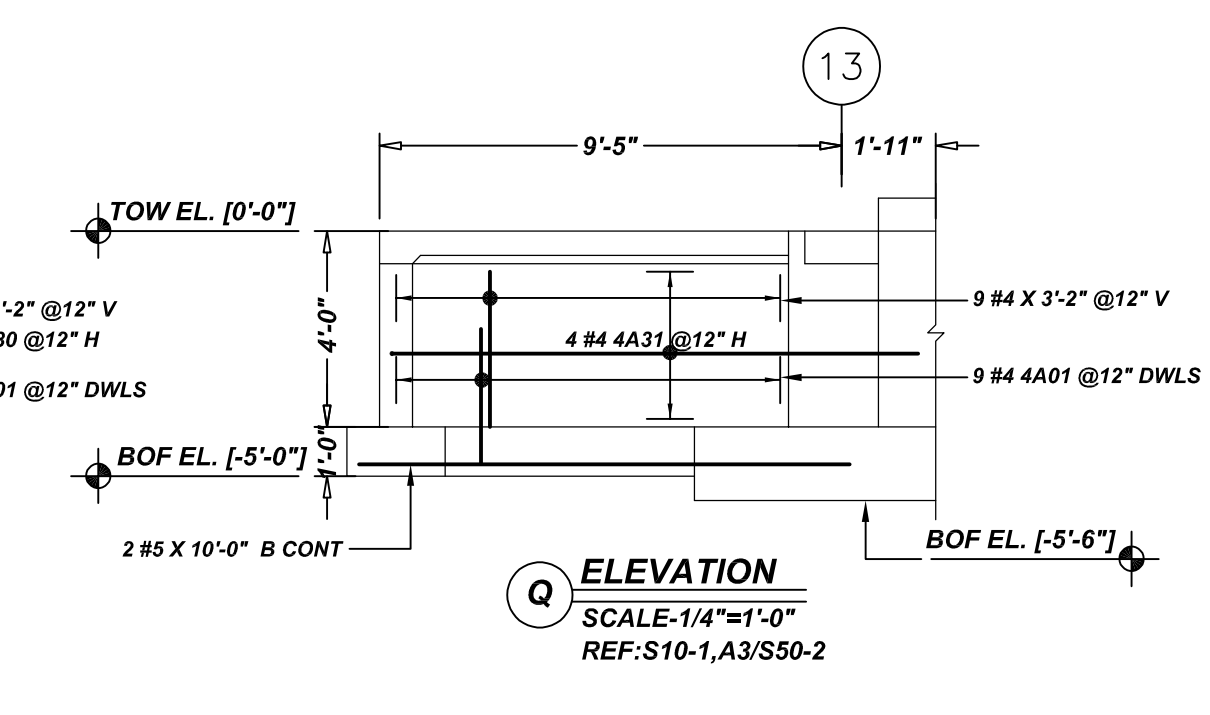
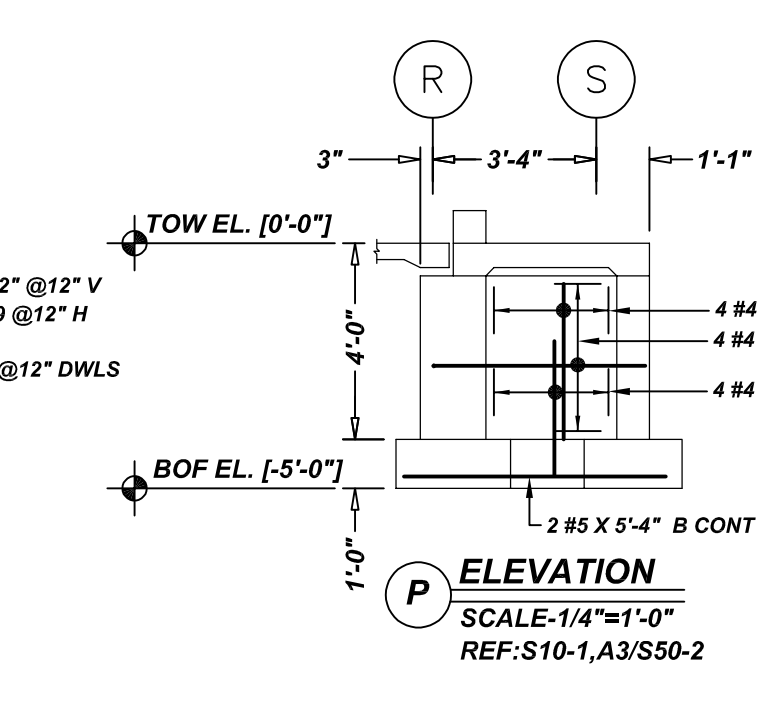
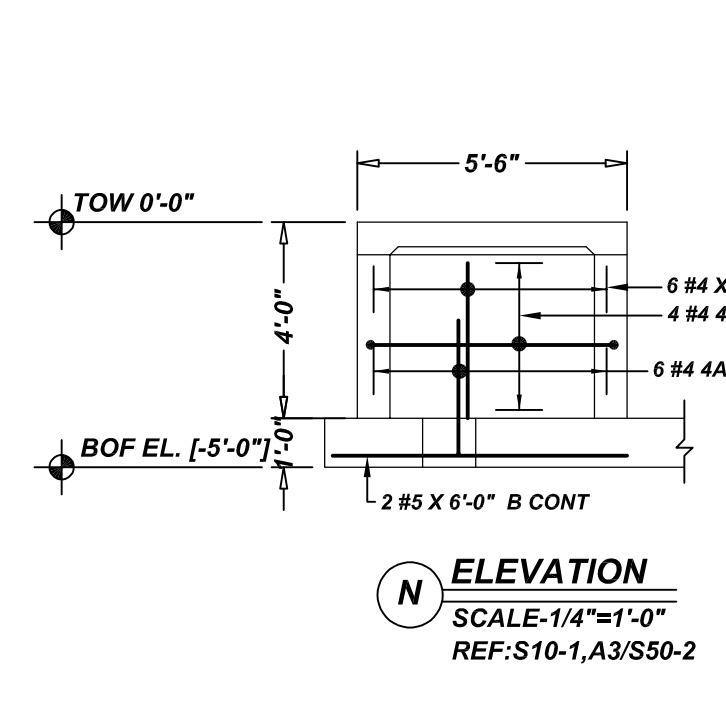
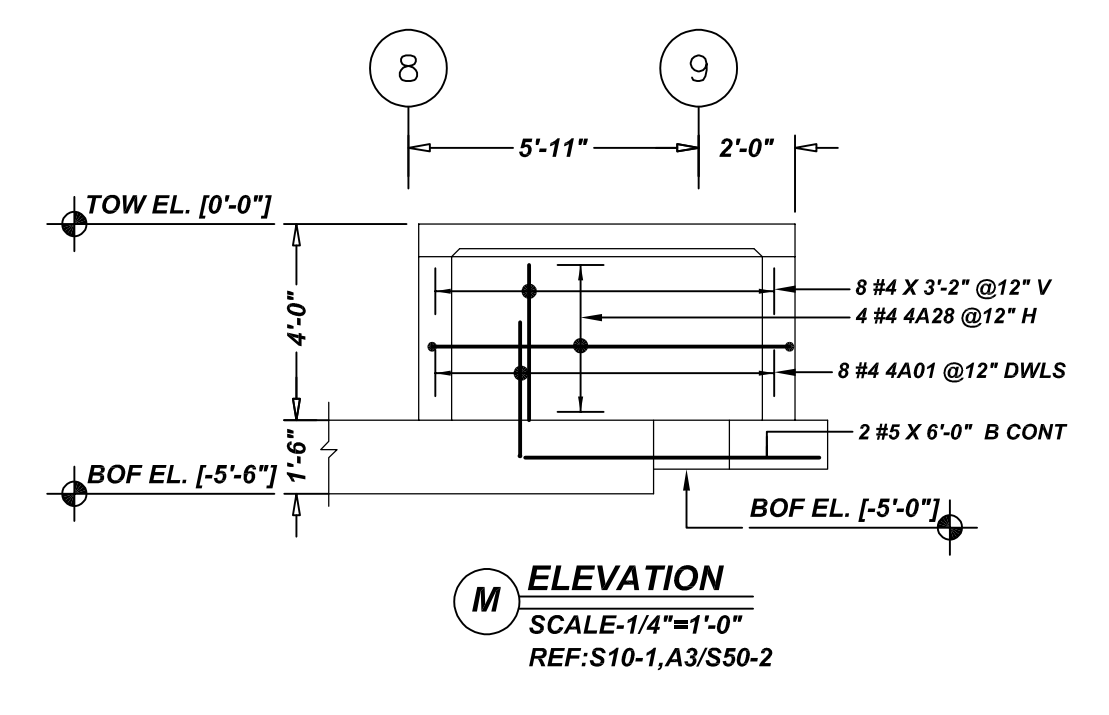
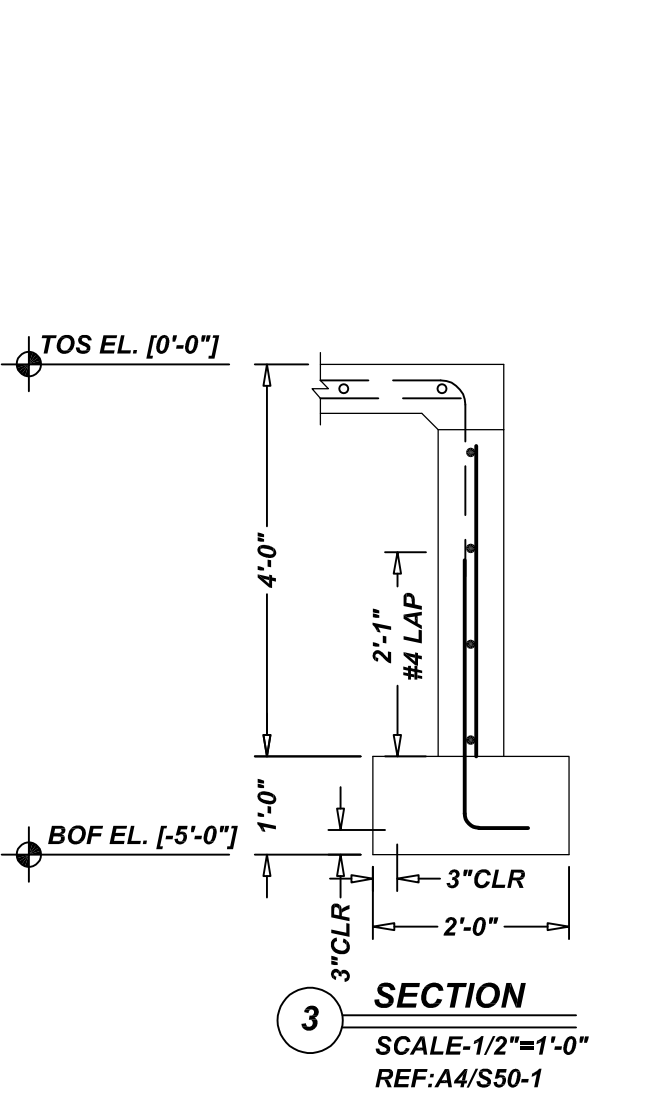
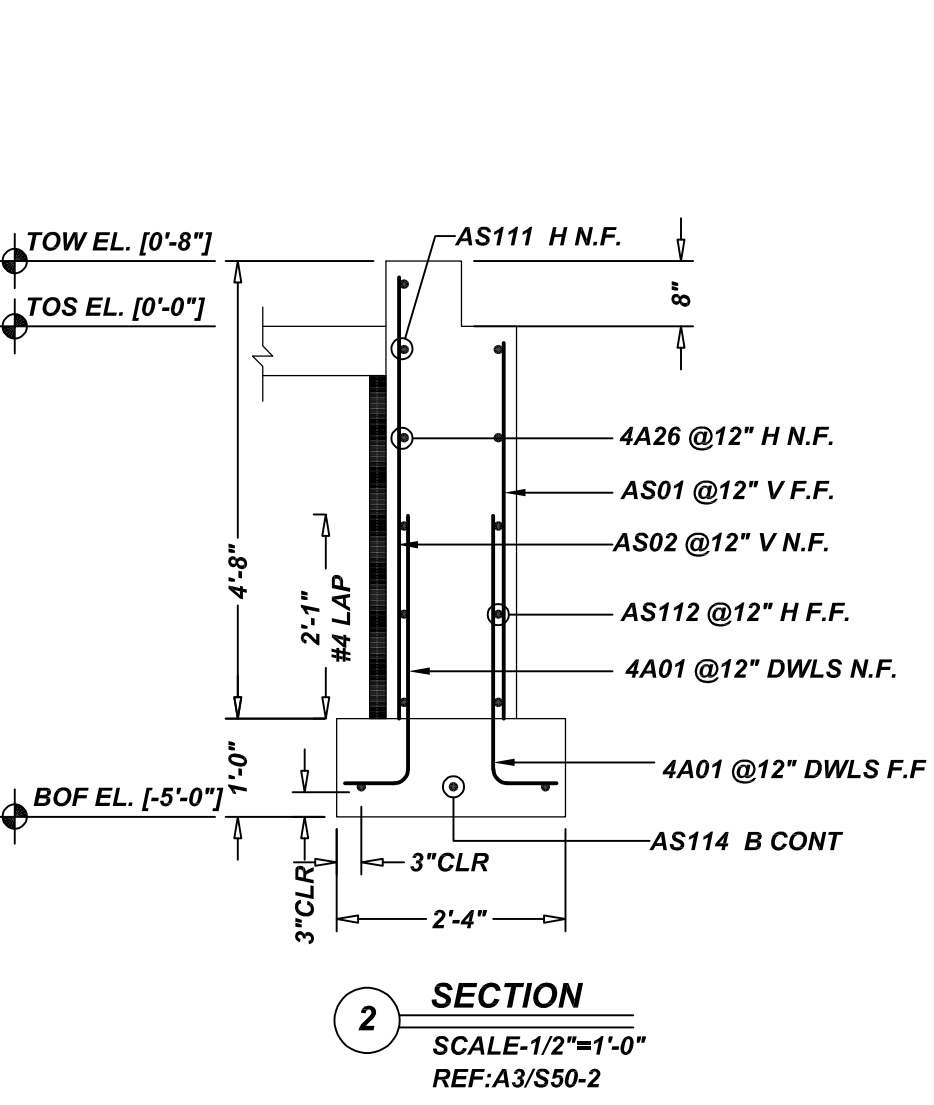
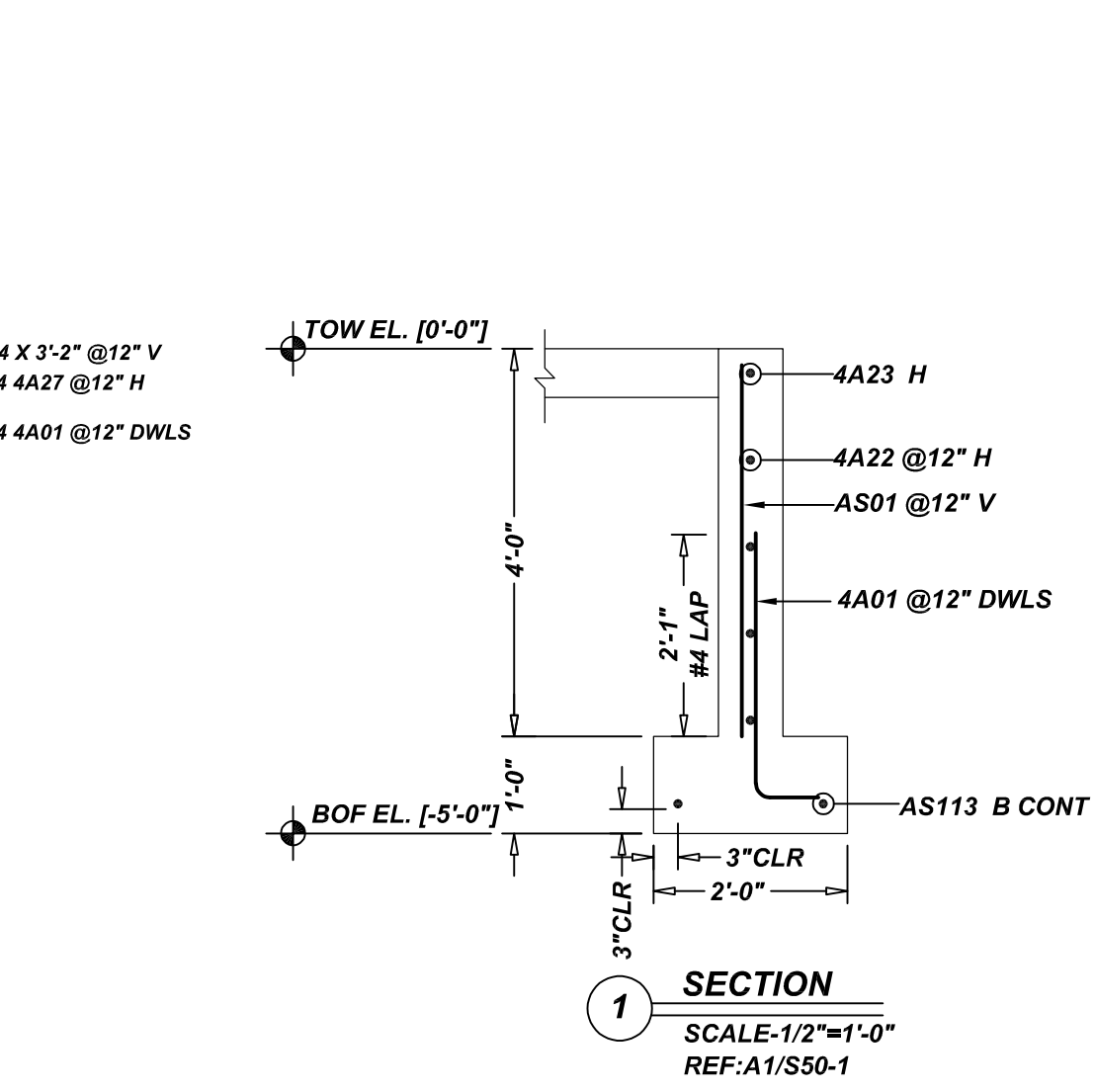
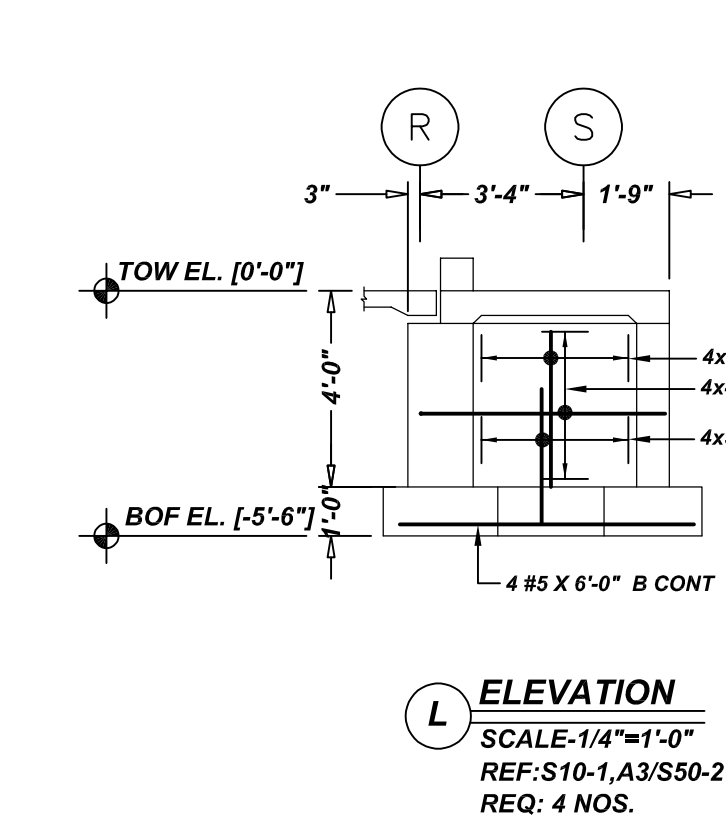
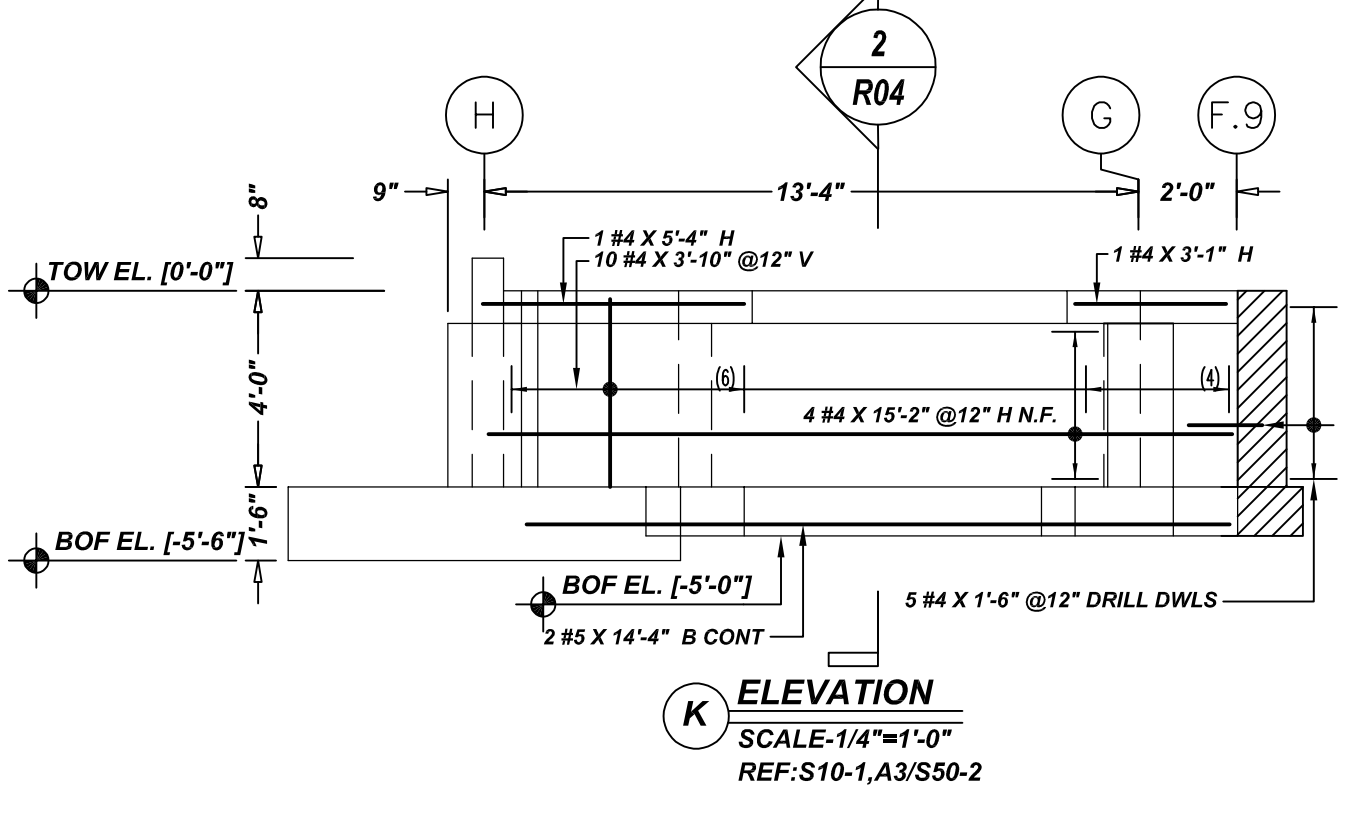
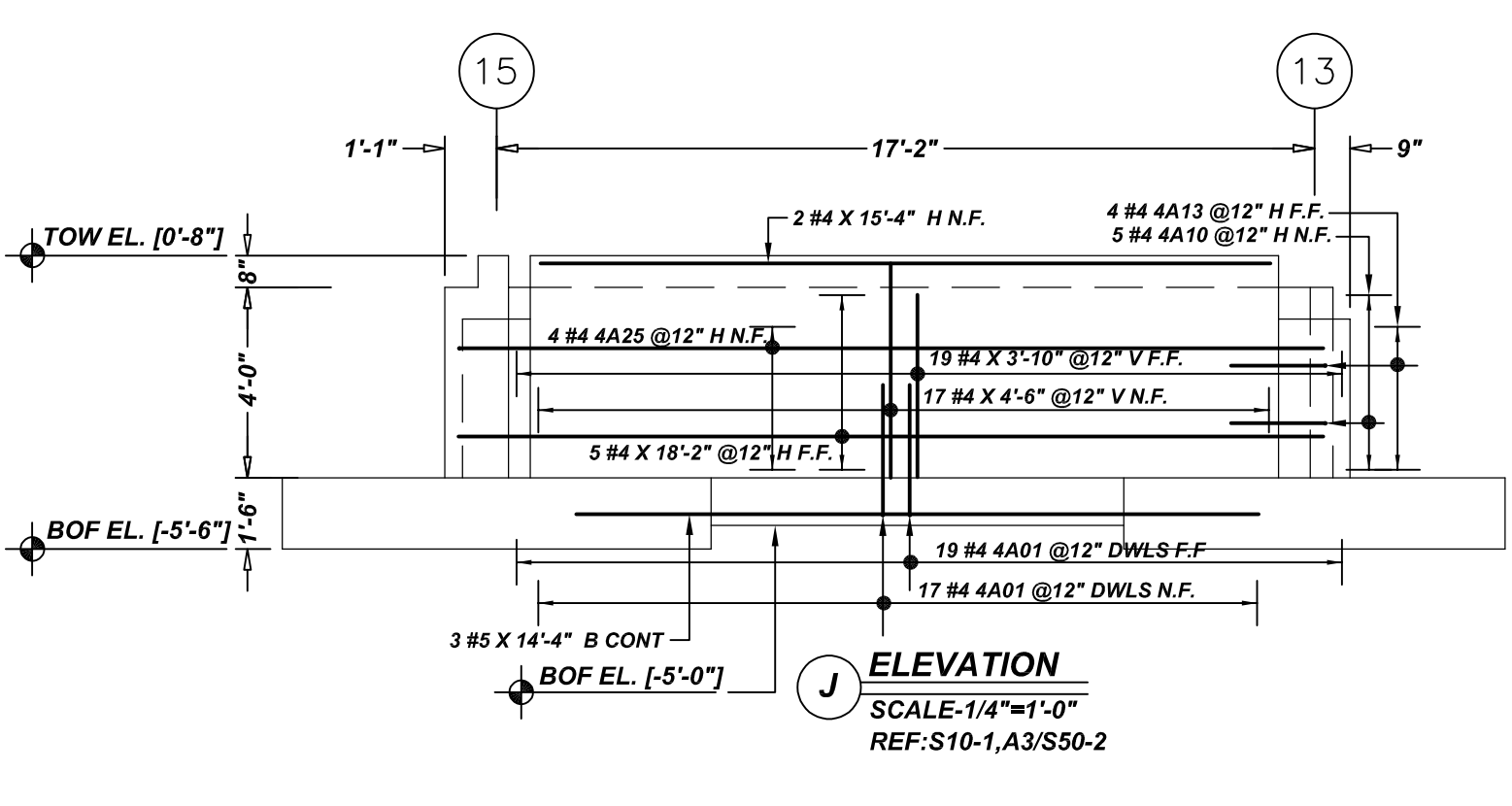
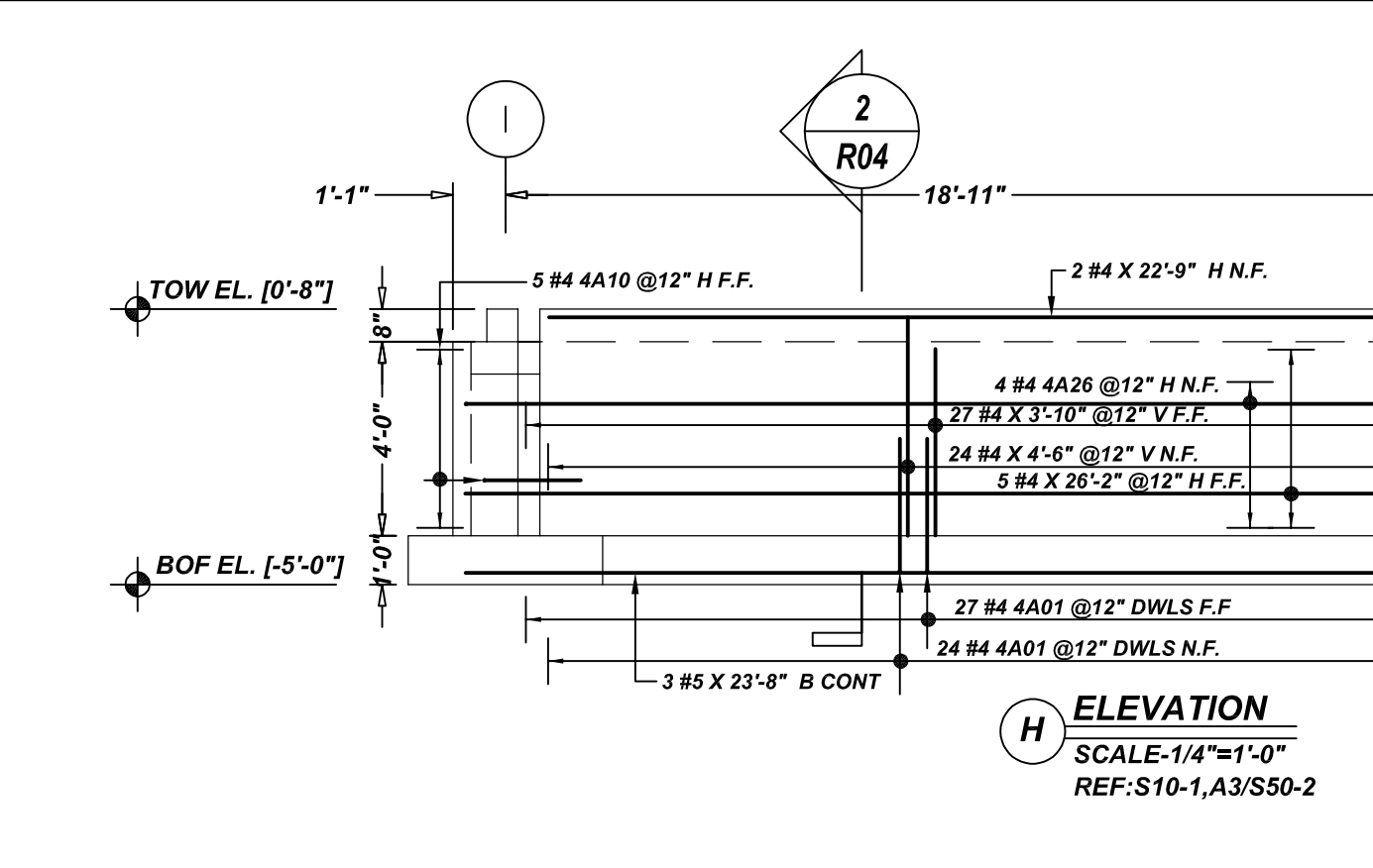
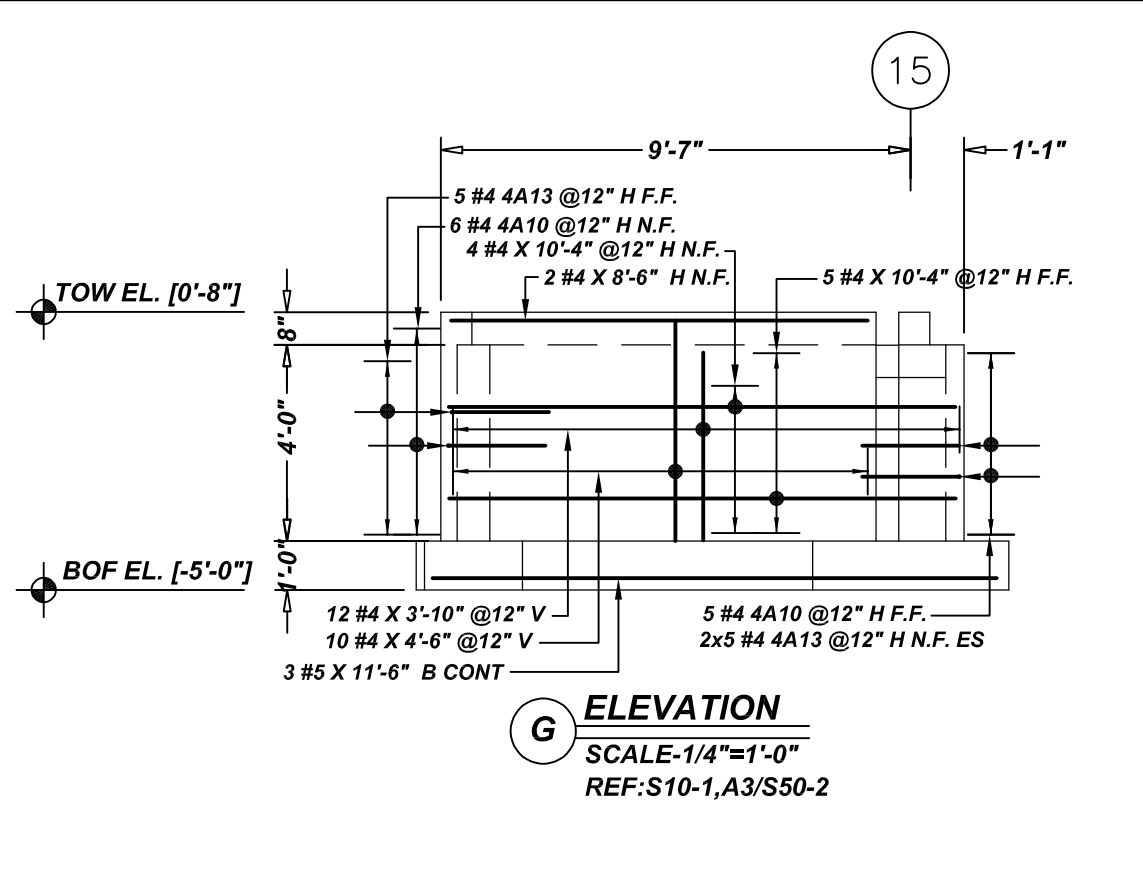
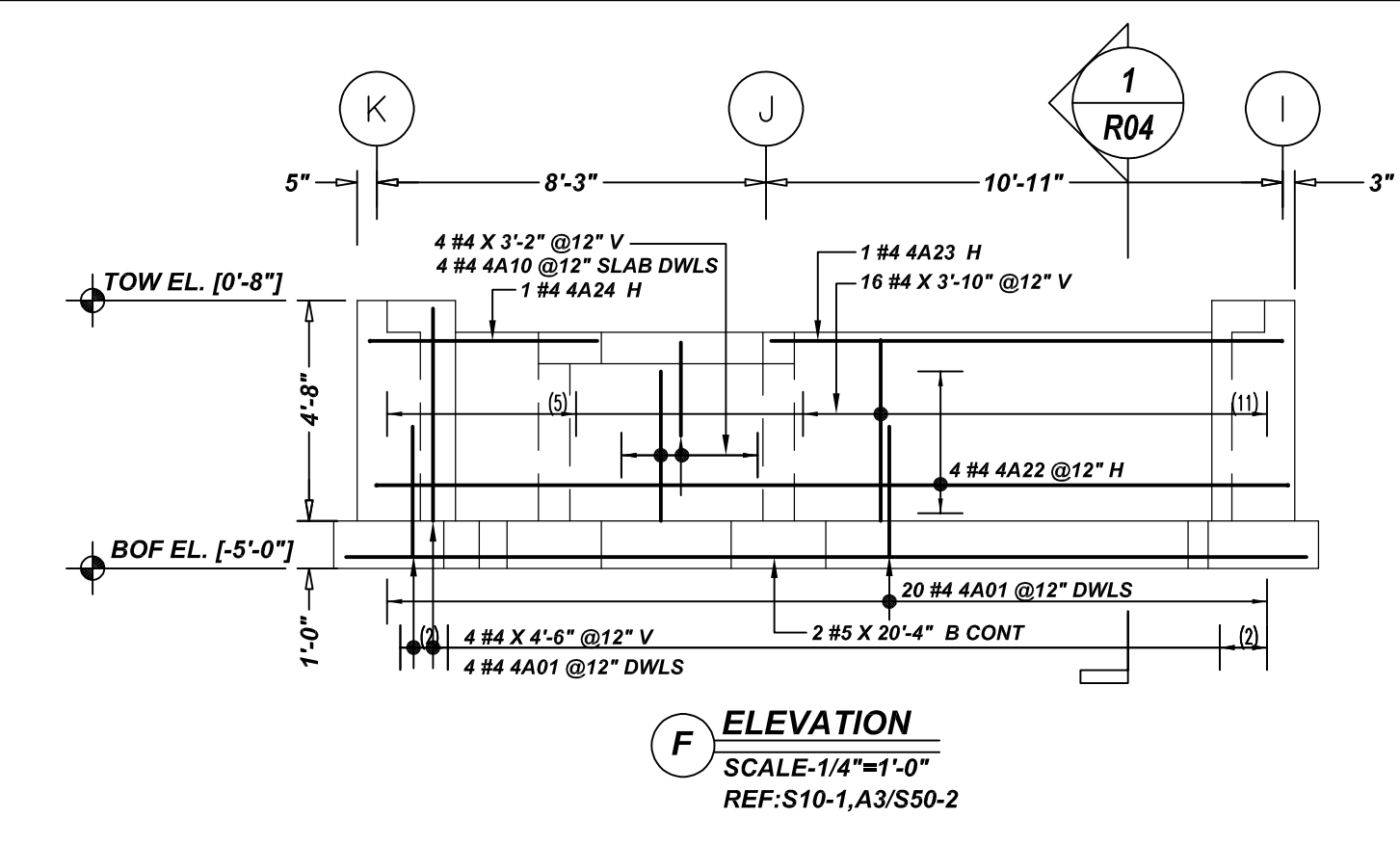
PRESUMPCOT ELEMENTARY SCHOOL
 FOUNDATION WALL REINFORCEMENT DETAILS AREA-B
PORTLAND, MAINE

CUSTOMER: GREAT FALLS CONSTRUCTION
 DESIGNER: HARRIMAN STRUCTURAL ENGINEER

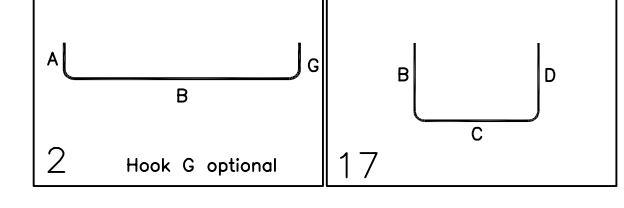
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	08.09.21				

DRAWN BY	DATE	JOB NO	SHEET NO.
KBS/MET	08.09.21	M921P844	R03

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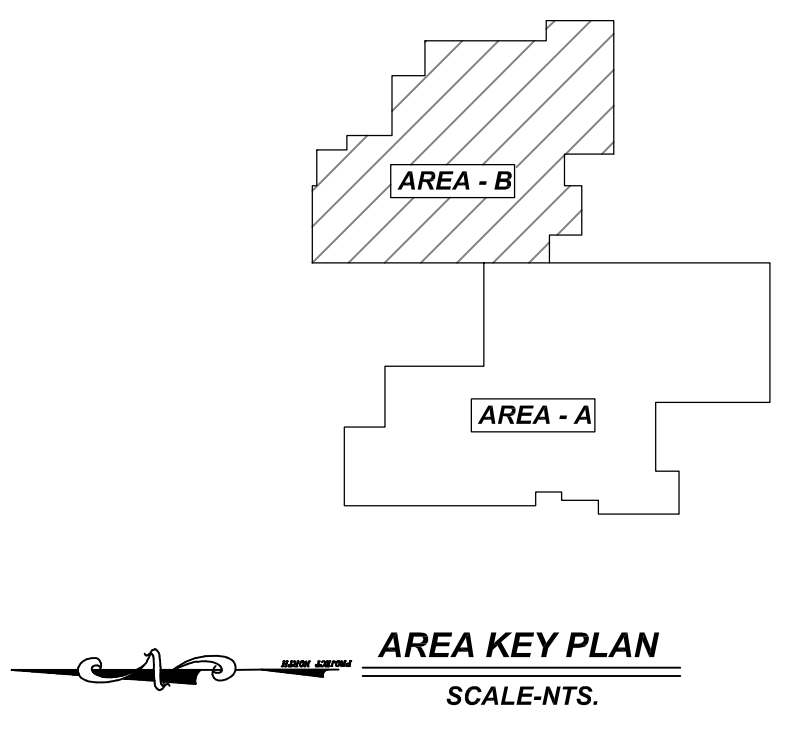
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
4A01	194	#4	3'-5"	2	0'-8"	2'-0"																								
4A10	30	#4	4'-0"	17	2'-0"	2'-0"																								
4A13	19	#4	2'-8"	2	0'-8"	2'-0"																								
4A22	4	#4	20'-8"	2	0'-8"	19'-4"																								
4A23	1	#4	11'-5"	2	0'-8"	10'-10"																								
4A24	4	#4	5'-5"	2	0'-8"	4'-10"																								
4A25	4	#4	18'-10"	2	0'-8"	18'-2"																								
4A26	4	#4	27'-5"	2	0'-8"	26'-2"																								
4A27	16	#4	5'-5"	2	0'-8"	5'-0"																								
4A28	4	#4	12'-8"	17	2'-8"	7'-4"	2'-8"																							
4A29	8	#4	10'-4"	17	2'-8"	5'-0"	2'-8"																							
4A30	20	#4	5'-0"	2	0'-8"	4'-4"																								
4A31	4	#4	12'-9"	17	2'-0"	10'-9"																								
4A32	4	#4	14'-4"	17	2'-8"	9'-0"	2'-8"																							



TYPICAL BAR CLEARANCE TABLE

FOOTING:-
 BOTTOM : 3"
 SIDE : 3"
PIER:-
 TIES : 1 1/2"

GC PLEASE VERIFY COVER WE FOLLOWED (TYP.)



REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 3,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	= Additional	#3	#10
#3 28"	#3 22"	B.O.W.	= Bottom of wall	#4	#13
#4 37"	#4 29"	C.B.	= Corner Bars	#5	#16
#5 47"	#5 36"	DIAG.	= Diagonal	#6	#19
#6 56"	#6 43"	D.O.	= Door Opening	#7	#22
#7 81"	#7 63"	DWLS.	= Dowels	#8	#25
#8 93"	#8 72"	E.F.	= Each Face	#9	#29
#9 105"	#9 81"	E.S.	= Each Side	#10	#32
#10 118"	#10 91"	E.W.	= Each Way	#11	#36
#11 131"	#11 101"	FTG.	= Footing		
#14		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		

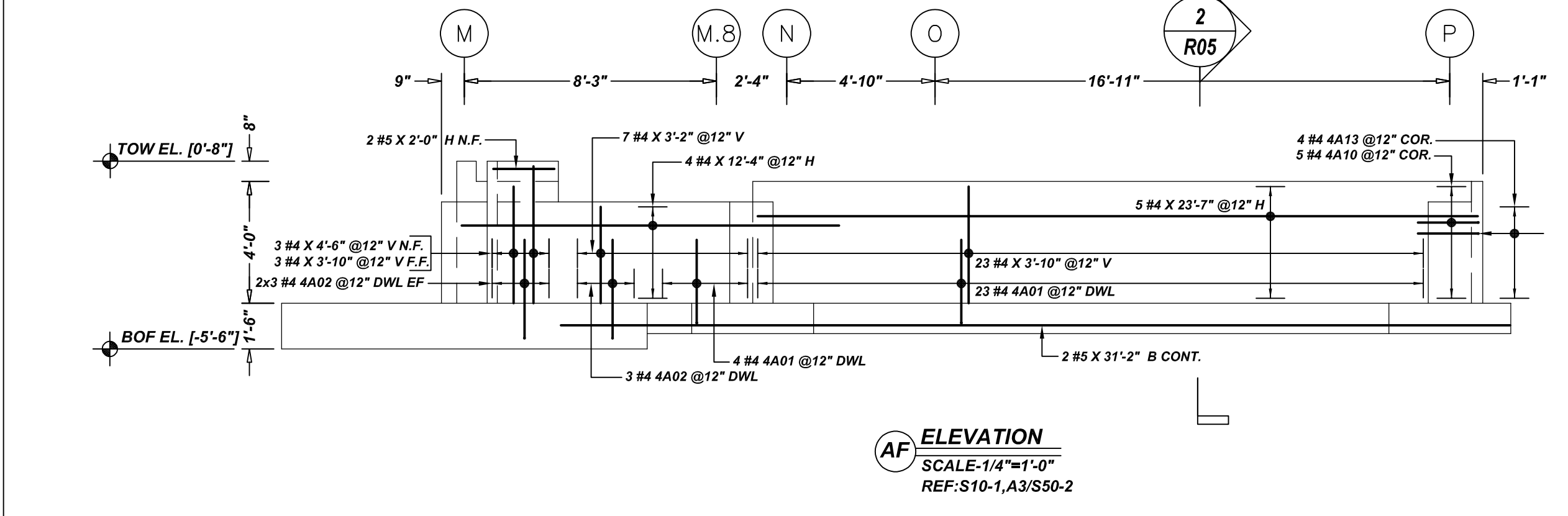
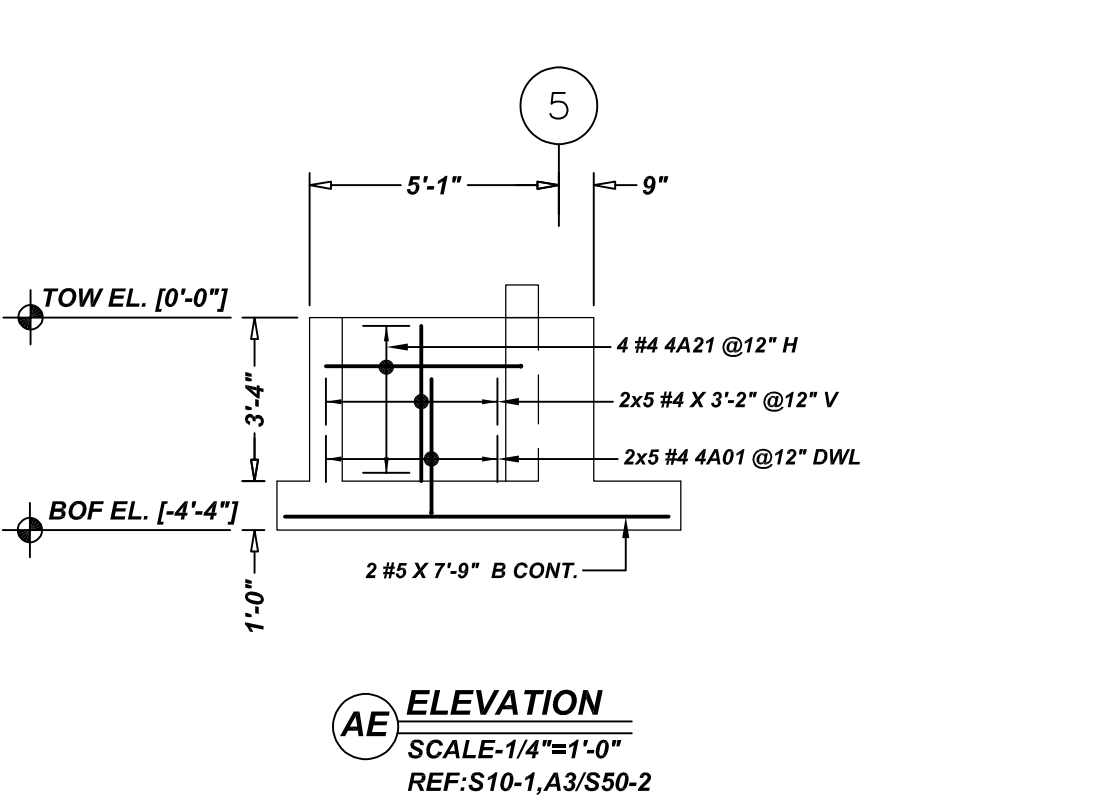
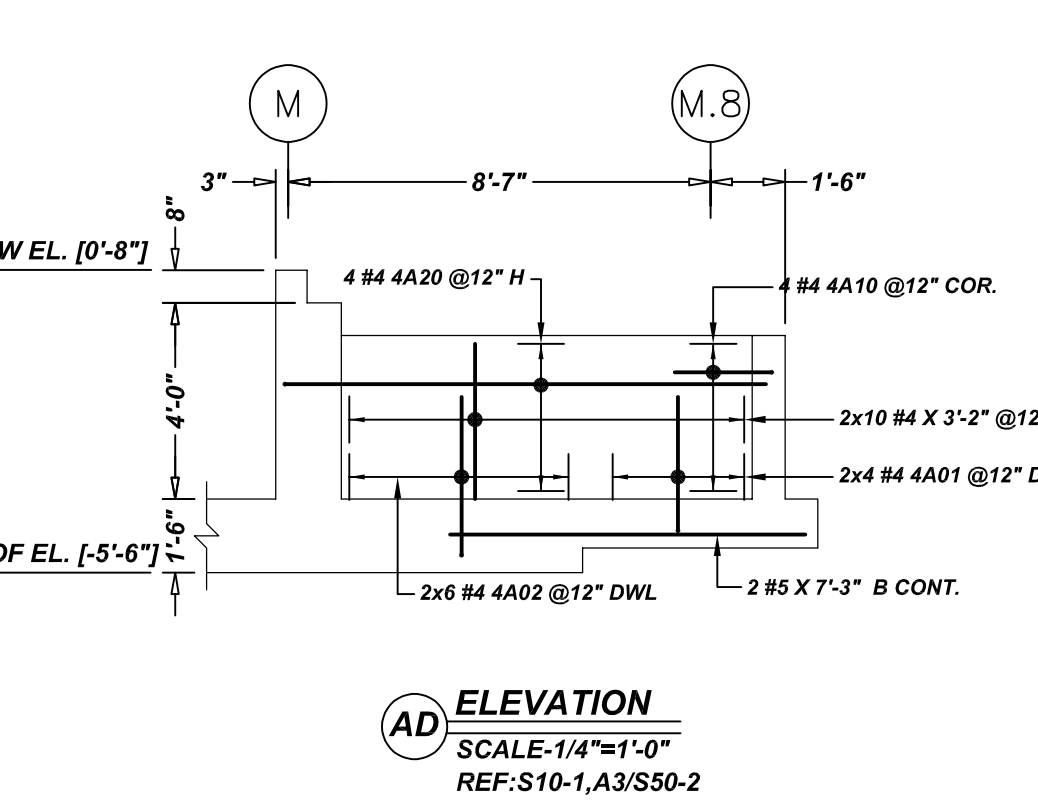
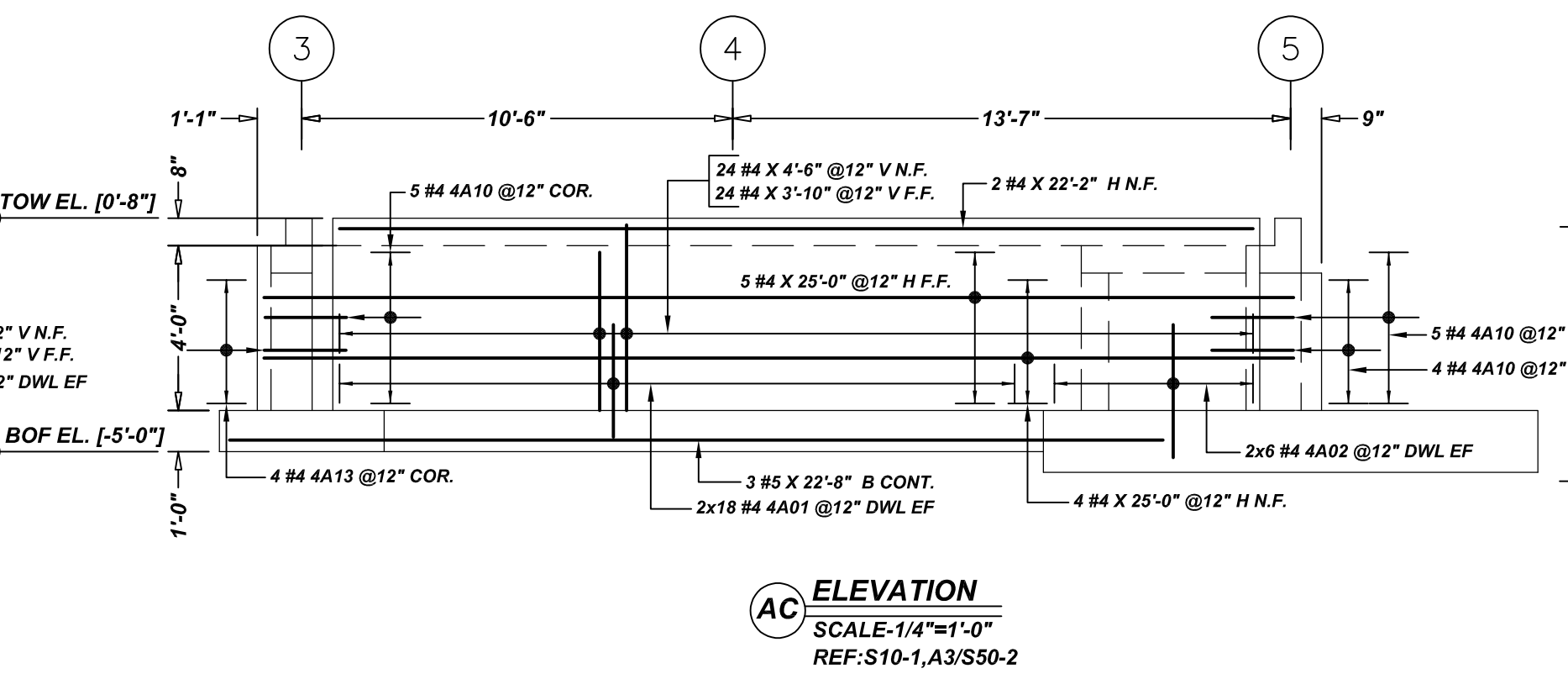
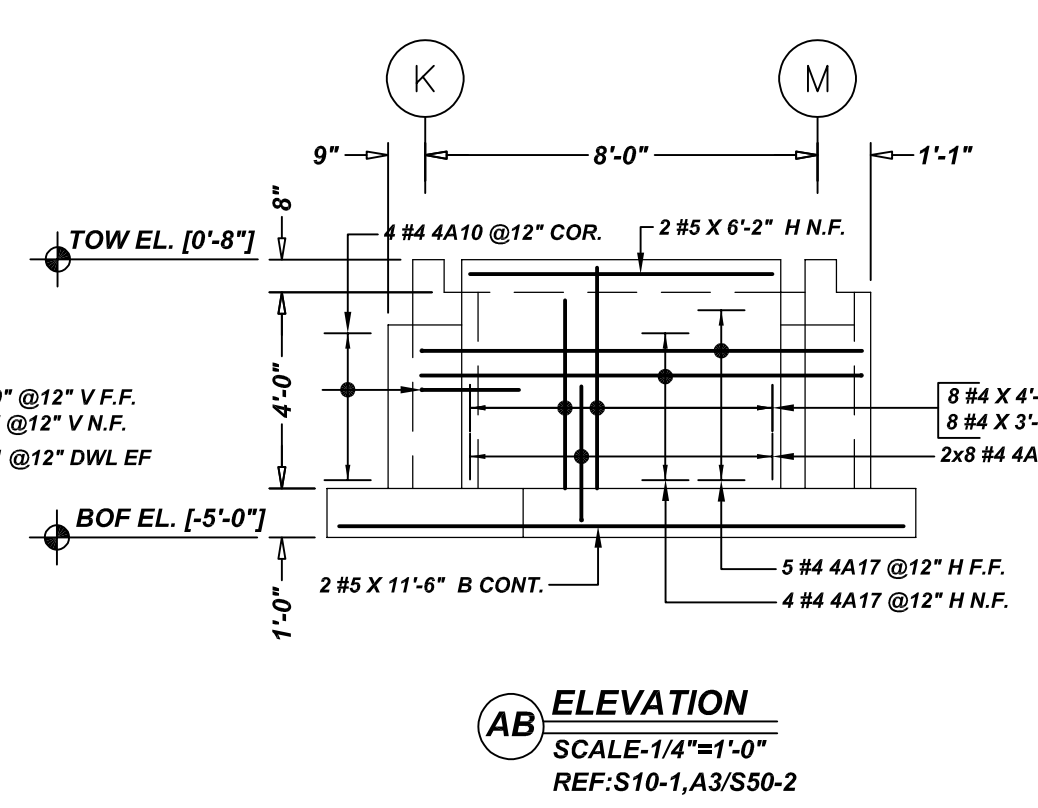
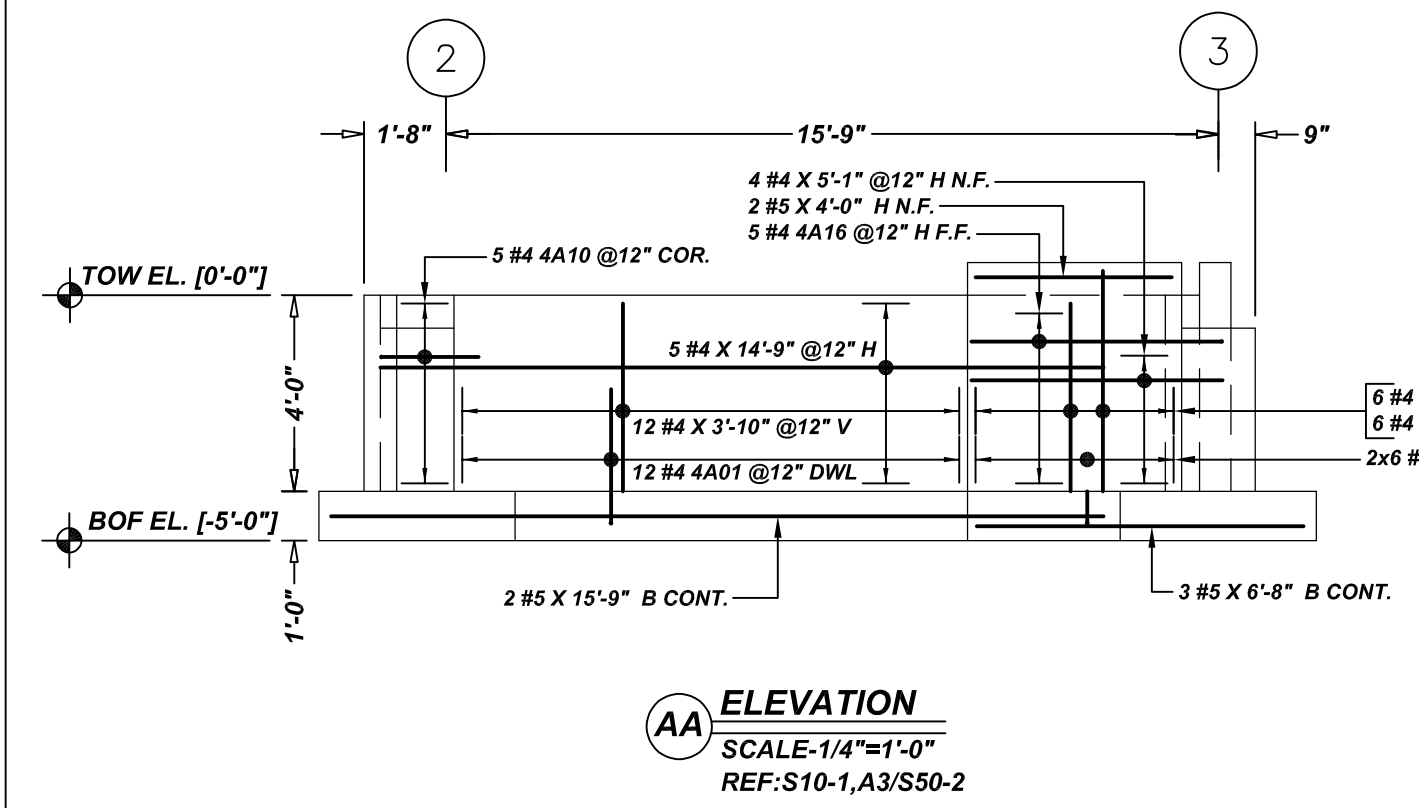
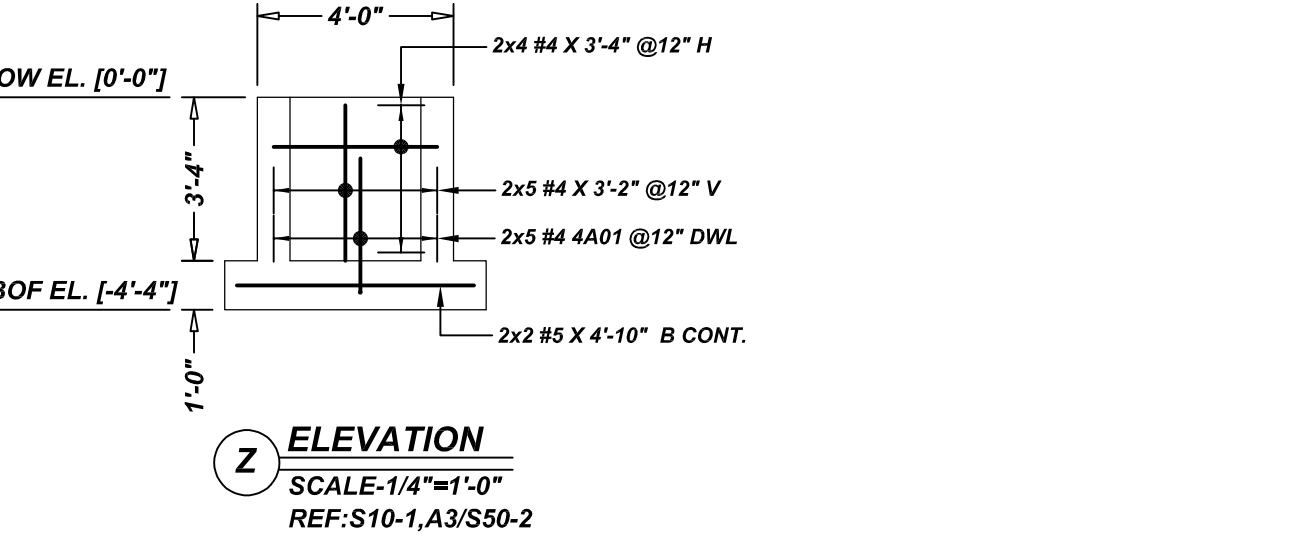
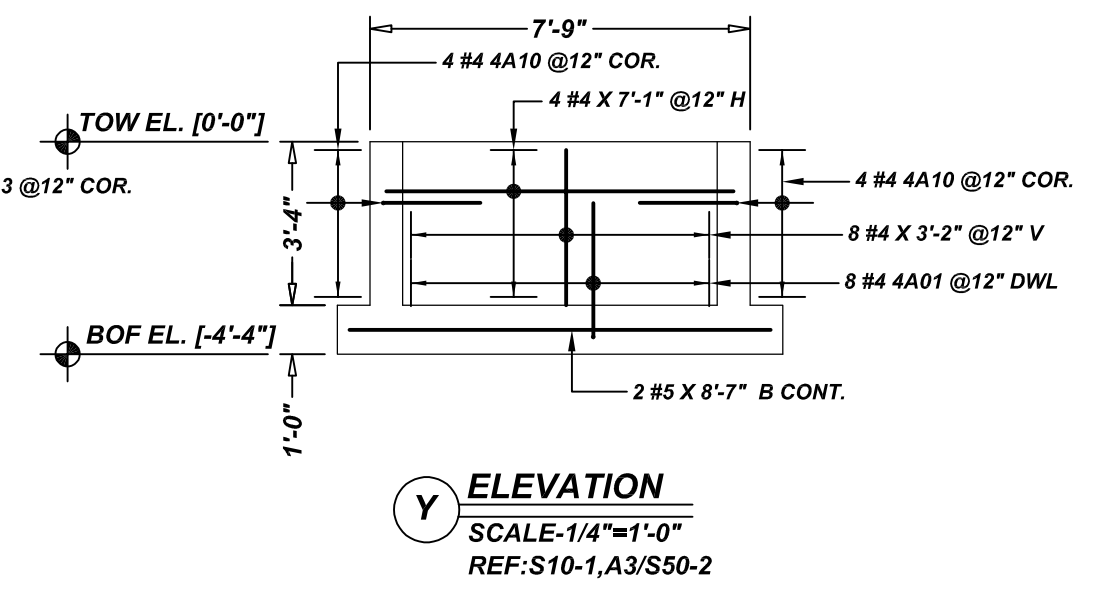
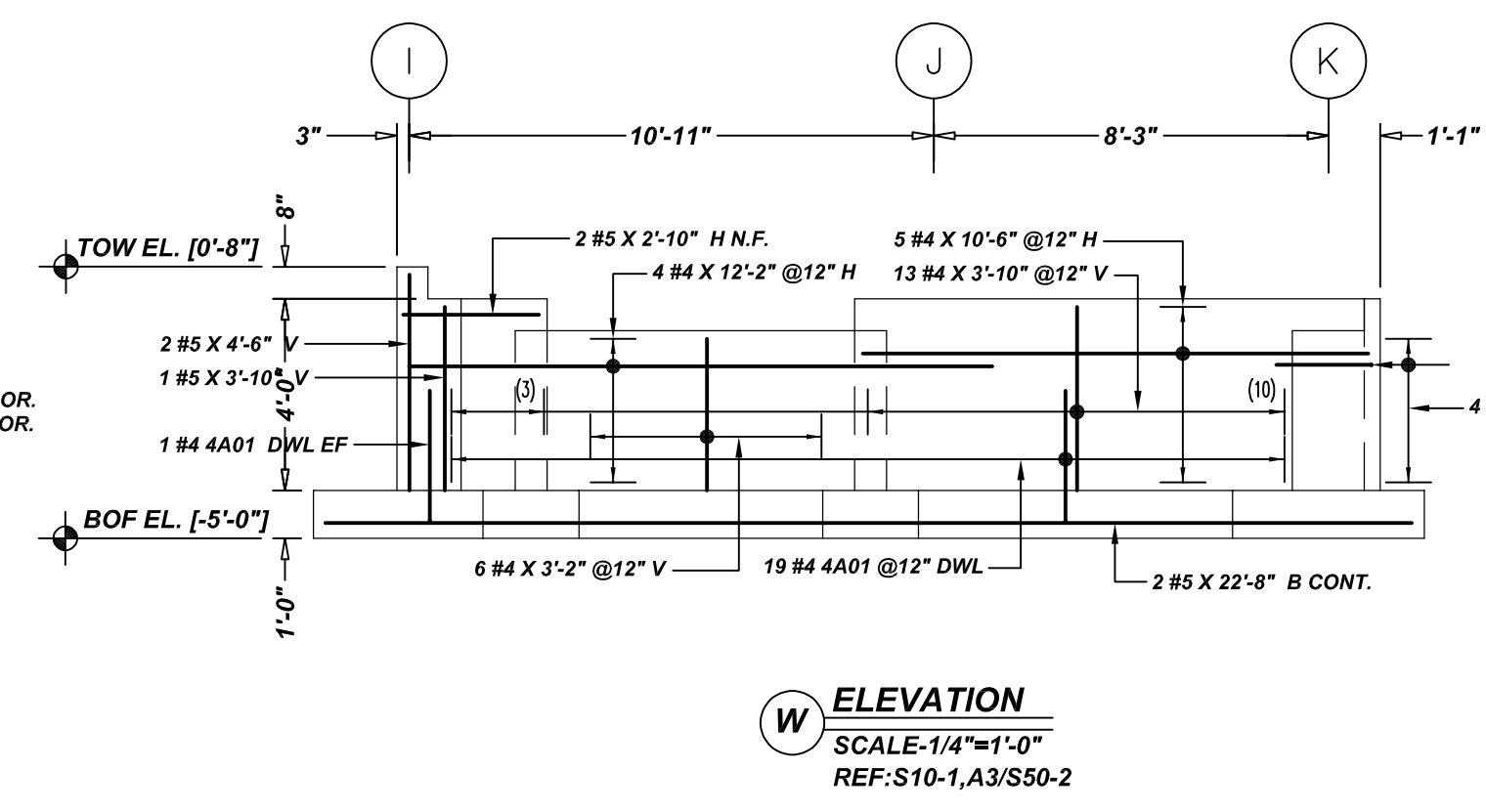
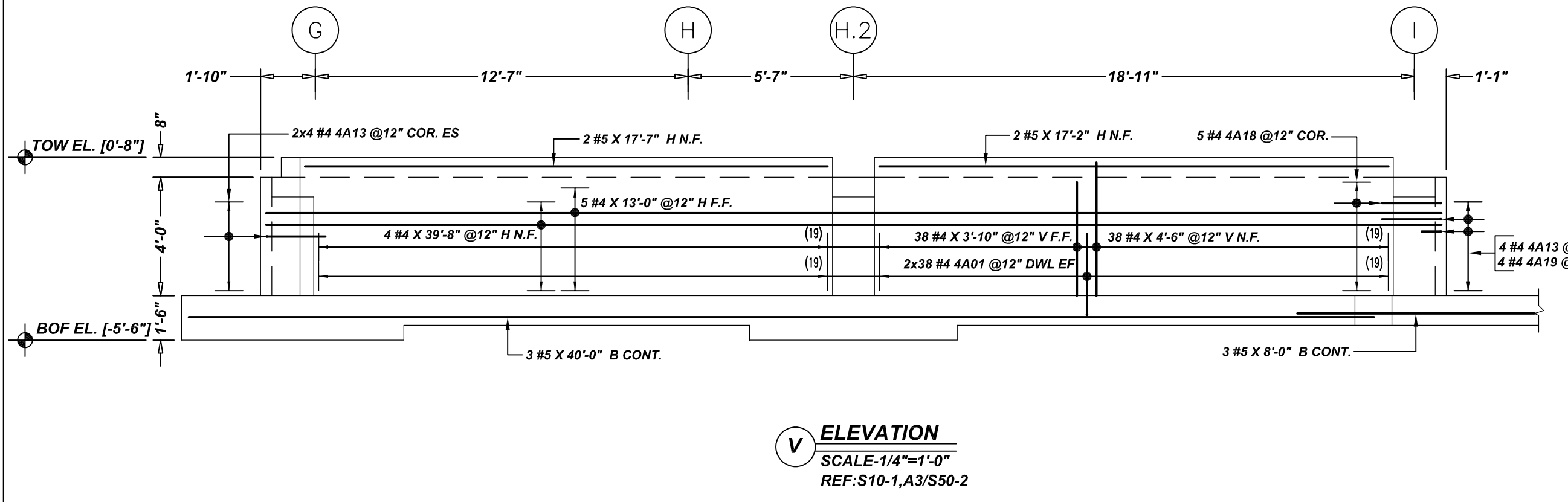
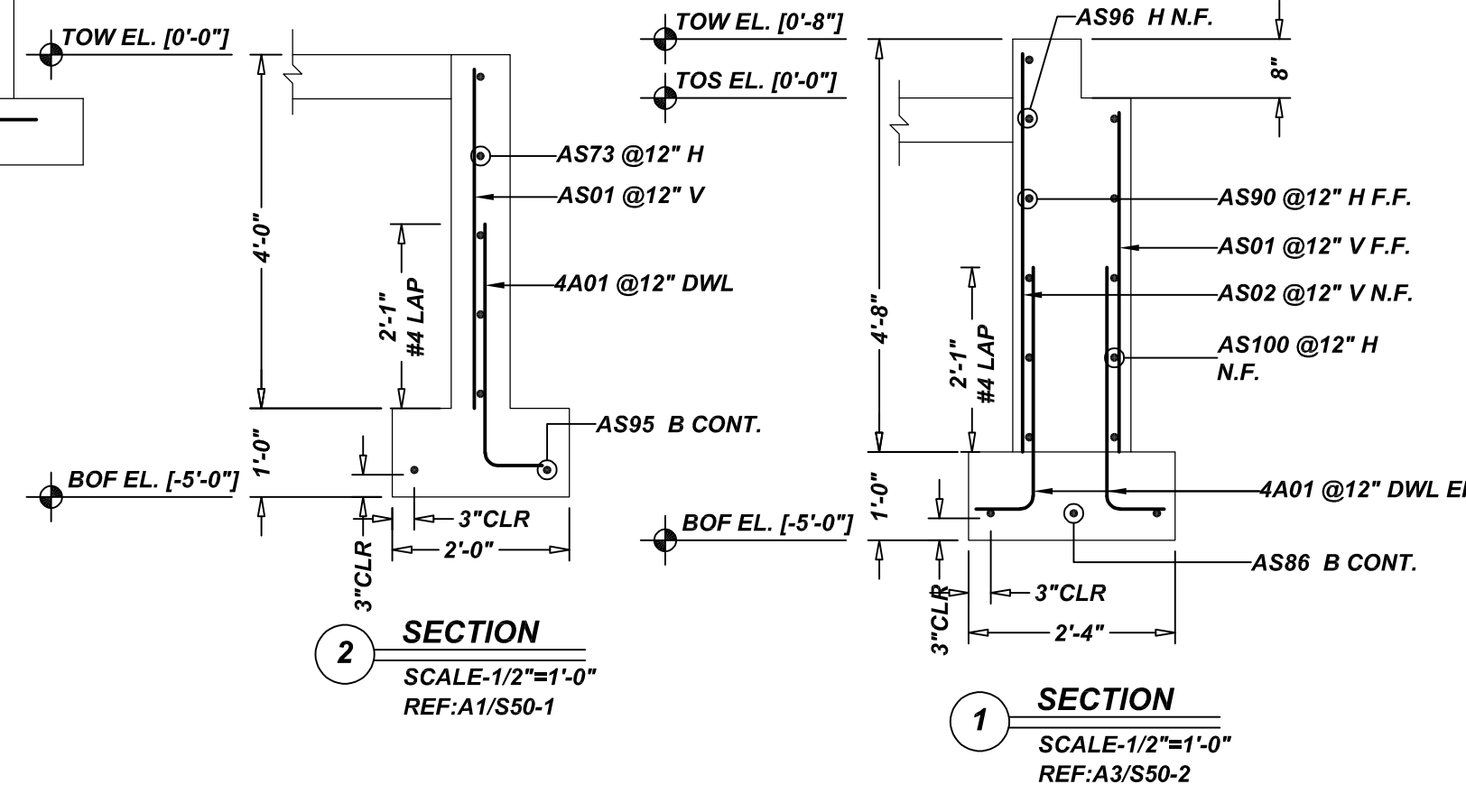
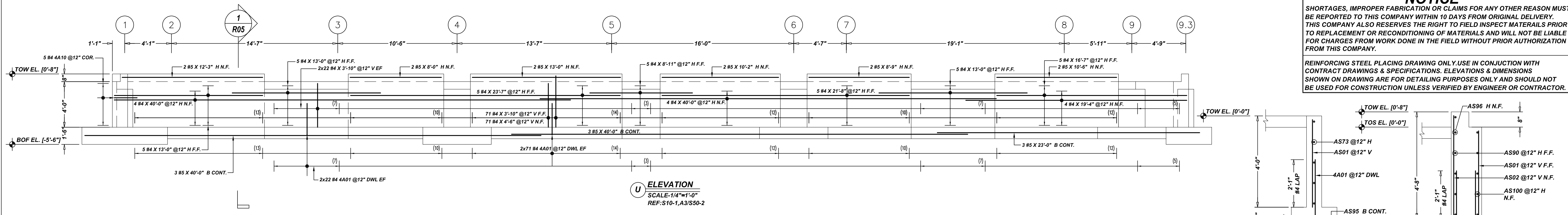
PRESUMPCOT ELEMENTARY SCHOOL
 FOUNDATION WALL REINFORCEMENT DETAILS AREA-B
PORTLAND, MAINE

CUSTOMER: GREAT FALLS CONSTRUCTION
 DESIGNER: HARRIMAN STRUCTURAL ENGINEER

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	08.09.21				

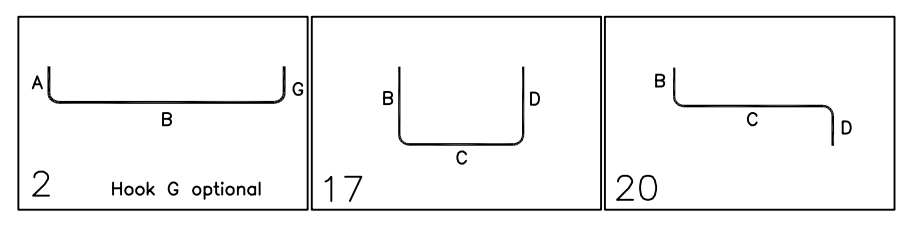
DRAWN BY	DATE	JOB NO	SHEET NO.
KBS/MET	08.09.21	M921P844	R04

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Release Number: R05

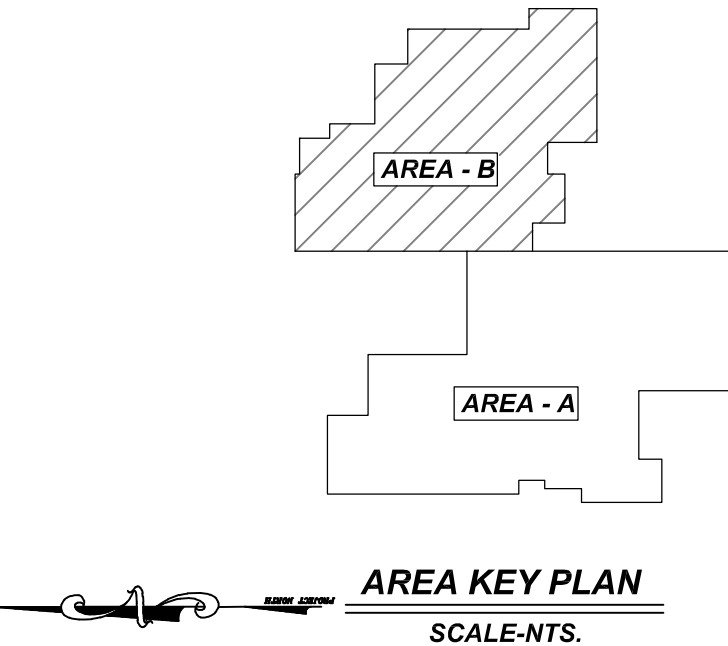
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A	
4A01	42	#4	3'-5"	2	0'-8"	2'-8"																									
4A02	33	#4	3'-11"	2	0'-8"	3'-3"																									
4A10	45	#4	4'-0"	17	0'-8"	2'-0"	2'-0"																								
4A13	24	#4	2'-8"	2	0'-8"	2'-0"																									
4A16	5	#4	5'-9 1/2"	2	0'-8"	5'-1 1/2"																									
4A17	9	#4	9'-8"	2	0'-8"	9'-0"																									
4A18	5	#4	6'-4"	20	1'-10"	2'-6"	2'-0"																								
4A19	4	#4	3'-2"	2	0'-8"	2'-5"																									
4A20	4	#4	10'-6"	2	0'-8"	9'-10"																									
4A21	4	#4	4'-8"	2	0'-8"	4'-0"																									



TYPICAL BAR CLEARANCE TABLE

FOOTING:-
 BOTTOM : 3"
 SIDE : 3"
 PIER:-
 TIES : 1 1/2"

GC PLEASE VERIFY COVER WE FOLLOWED (TYP.)



REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 3,000 psi UNO

TOP BARS	OTHER BARS
#3 28"	#3 22"
#4 37"	#4 29"
#5 47"	#5 36"
#6 56"	#6 43"
#7 81"	#7 63"
#8 93"	#8 72"
#9 105"	#9 81"
#10 118"	#10 91"
#11 131"	#11 101"
#14	

ABBREVIATIONS

- ADD. = Additional
- B.O.W. = Bottom of wall
- C.B. = Corrosion Bars
- DIAG. = Diagonal
- D.O. = Door Opening
- D.W.L.S. = 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

PRESUMPCOT ELEMENTARY SCHOOL
 FOUNDATION WALL REINFORCEMENT DETAILS AREA-B
PORTLAND, MAINE

CUSTOMER: GREAT FALLS CONSTRUCTION
 DESIGNER: HARRIMAN STRUCTURAL ENGINEER

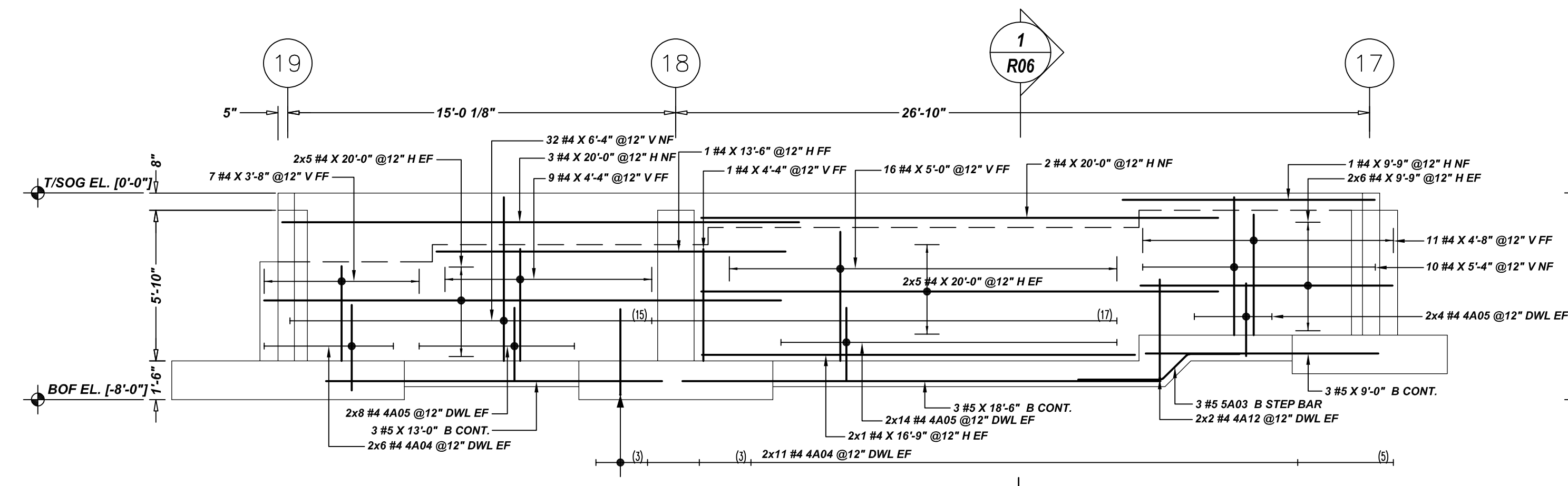
REV NO	DATE	APPROVAL	SENT FOR	REV NO	DATE	SENT FOR
0	08.09.21					

DRAWN BY	DATE	JOB NO	SHEET NO.
KBS/MET	08.09.21	M921P844	R05

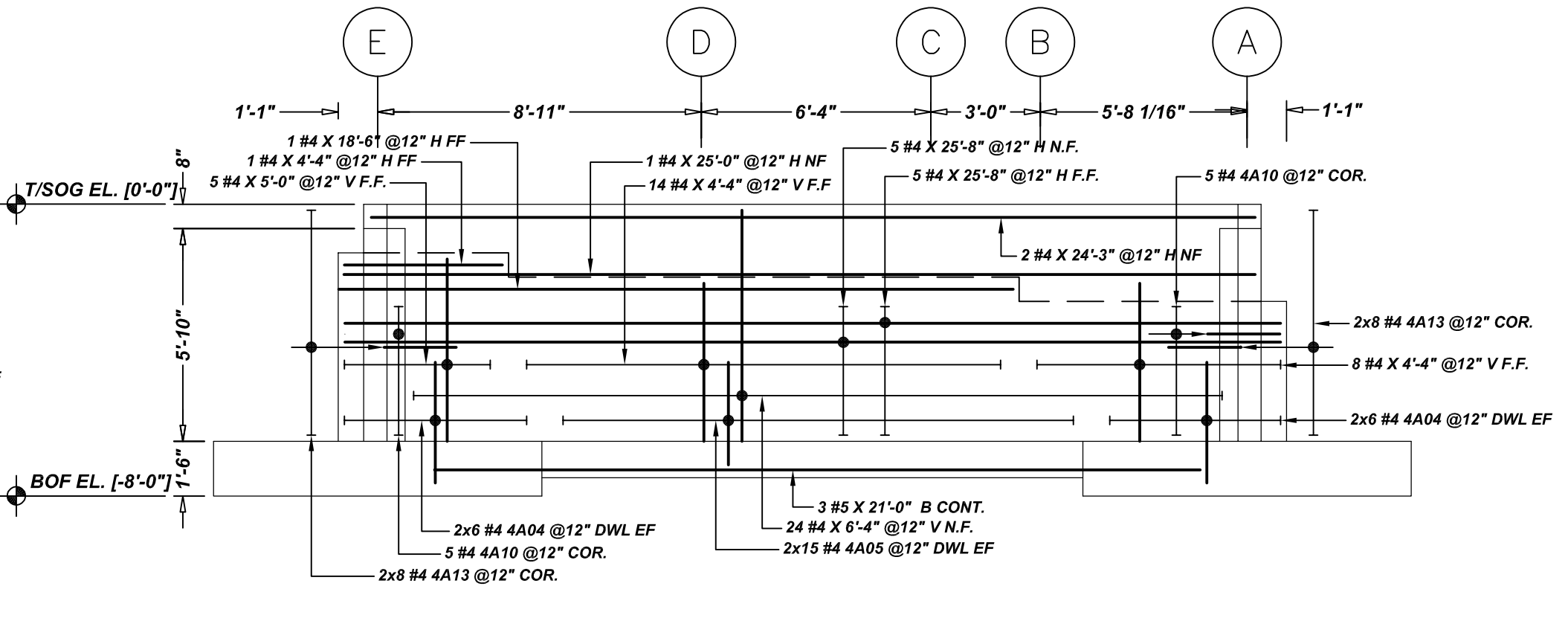
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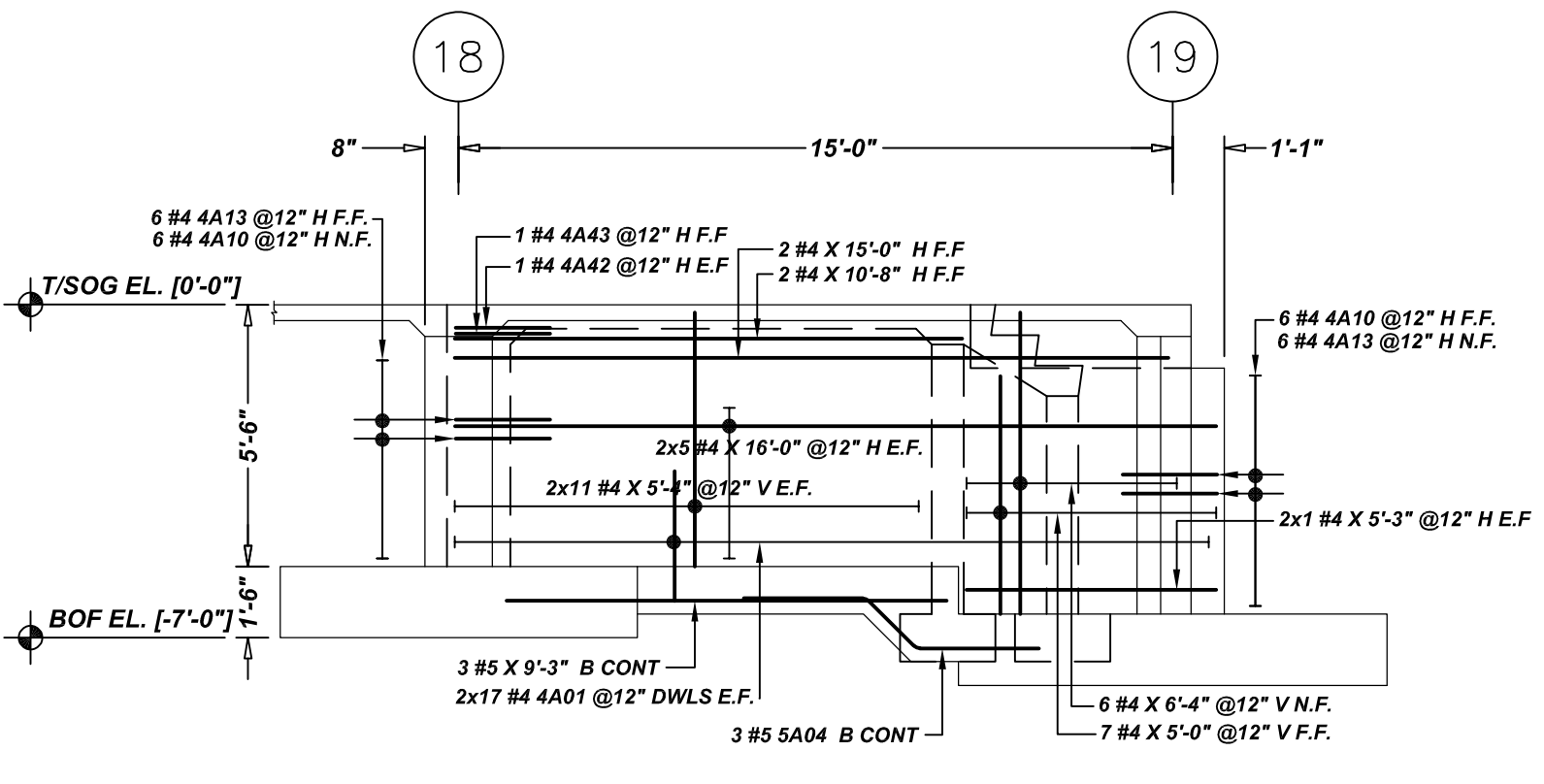
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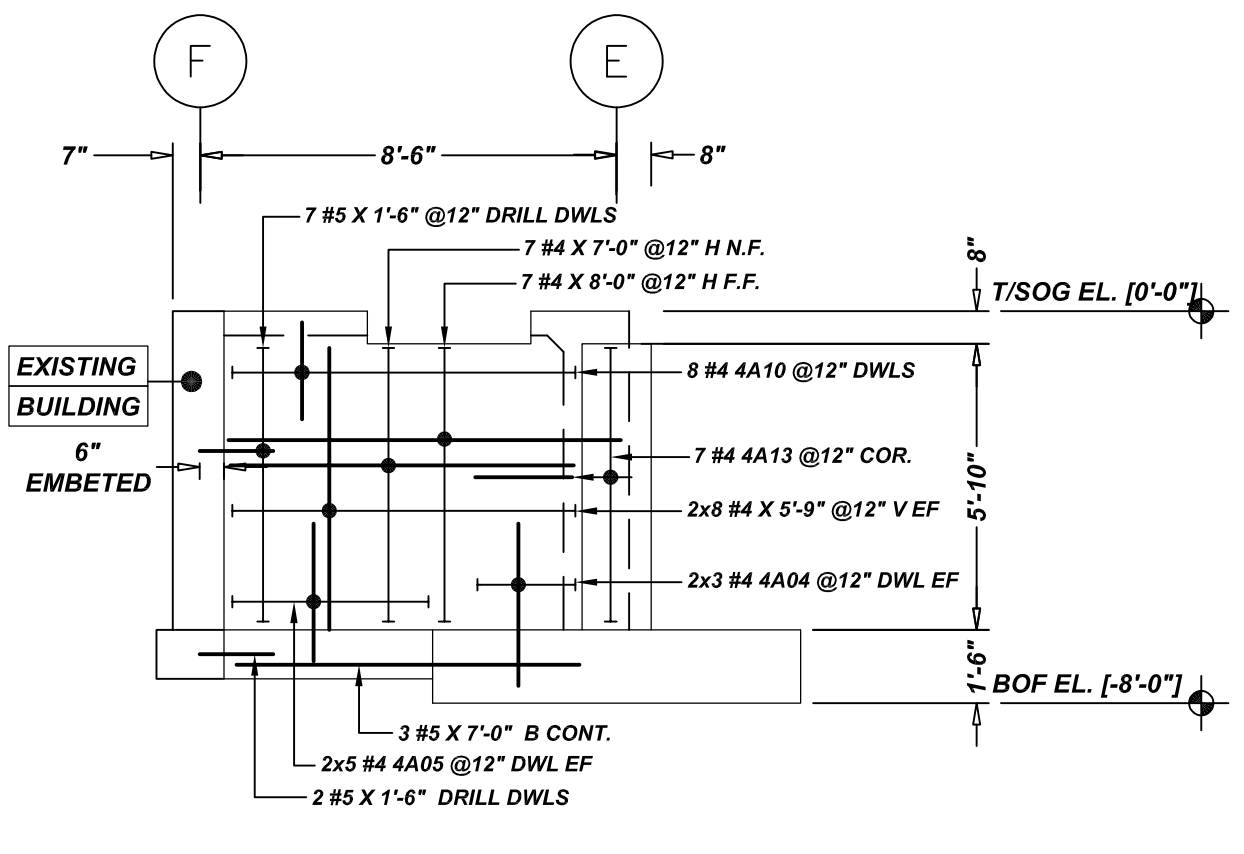
16" CONC. WALL
A ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2



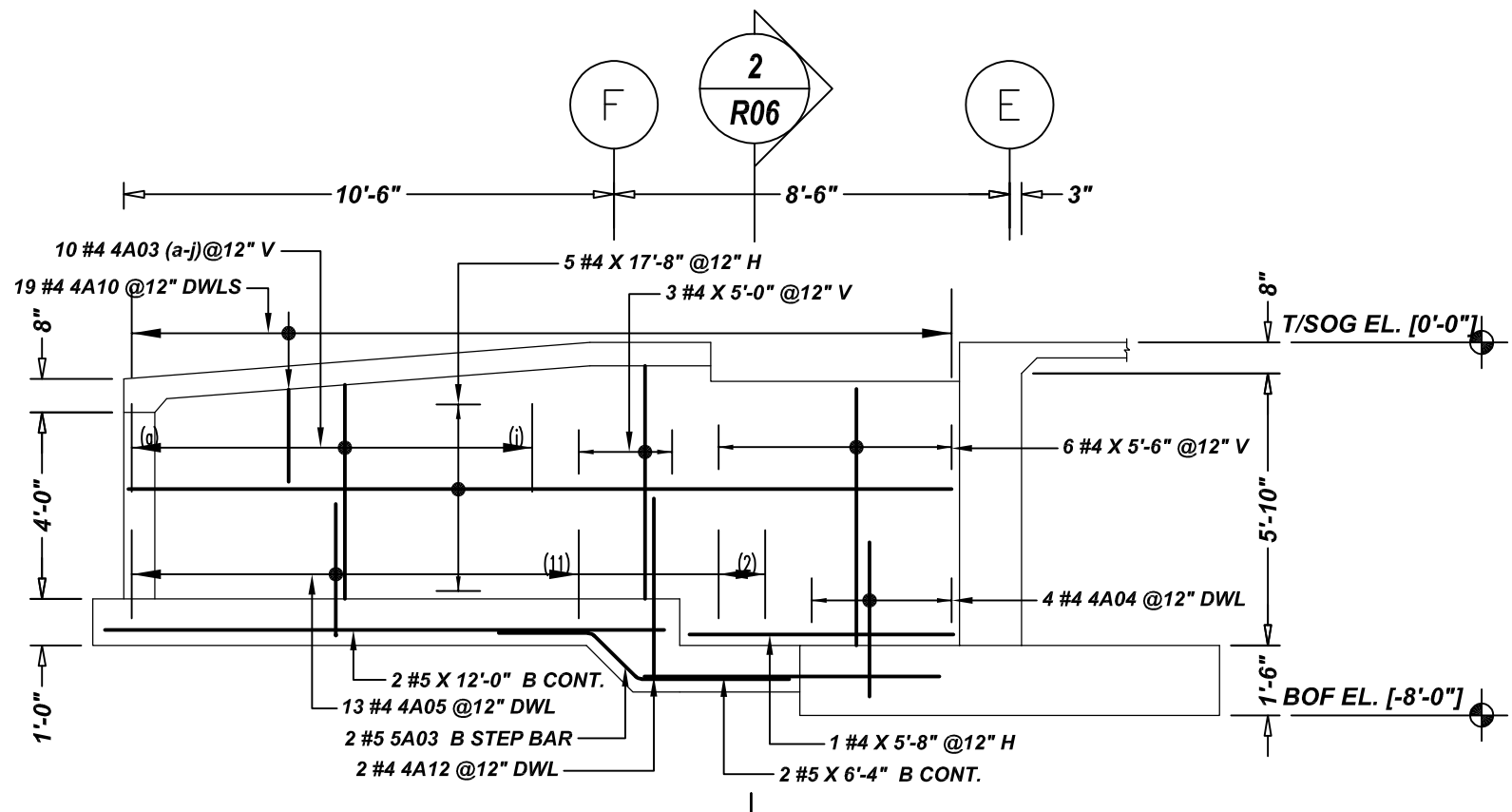
16" CONC. WALL
B ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2



16" CONC. WALL
C ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2

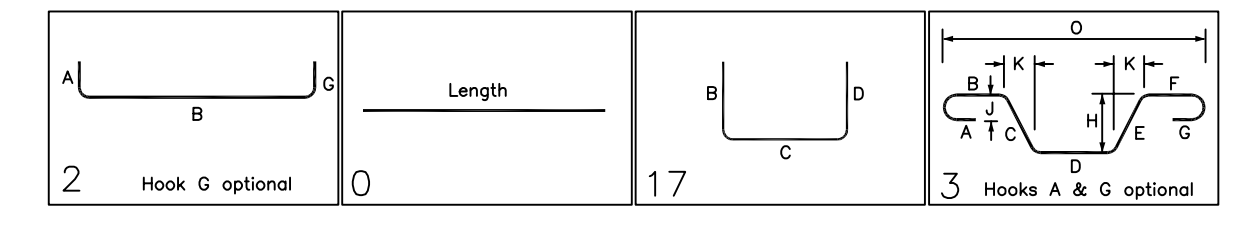


8" CONC. WALL
D ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2



8" CONC. WALL
E ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2

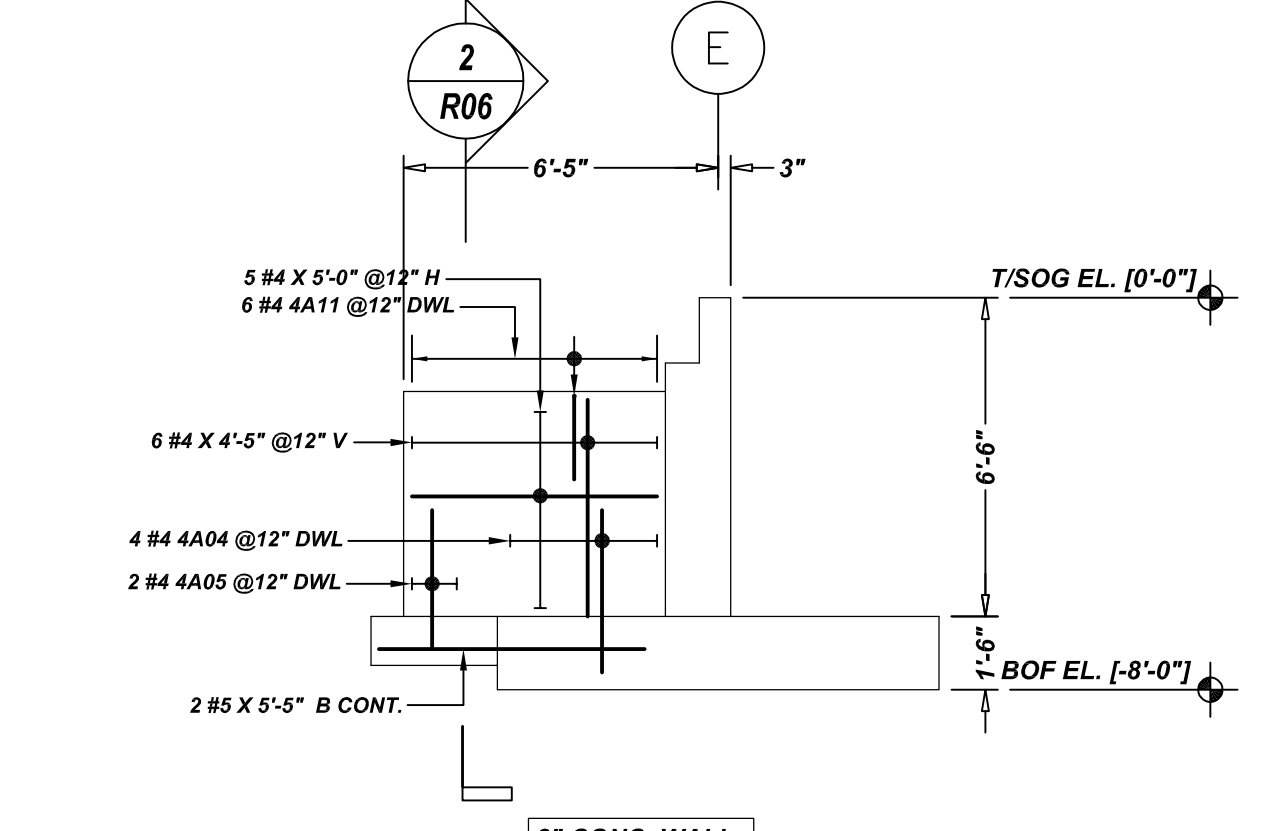
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	BENDING DETAILS												
4A01	40	#4	3'-5"	2	0'-8"	2'-8"														
4A03a	1	#4	4'-2"			4'-2"														
Notes:																				
4A03b	1	#4	4'-10"			4'-10"														
4A04	72	#4	4'-0"	2	0'-8"	3'-4"														
4A05	107	#4	3'-6"	2	0'-8"	2'-10"														
4A10	54	#4	4'-0"	17	2'-0"	2'-0"														
4A11	6	#4	3'-11 1/2"	3	2'-0"	1'-11 1/2"														
4A12	6	#4	4'-6"	2	0'-8"	3'-10"														
4A13	51	#4	2'-8"	2	0'-8"	2'-0"														
4A14	12	#4	4'-8"	17	2'-0"	2'-0"														
4A15	1	#4	2'-7"	17	0'-7"	2'-0"														
4A2	1	#4	3'-8"	17	1'-8"	2'-0"														
4A3	1	#4	2'-6"	2	0'-6"	2'-0"														
5A03	5	#5	6'-8"	3	2'-0"	1'-5"	3'-3"													
5A4	3	#5	6'-8"	3	2'-7"	1'-6"	2'-7"													



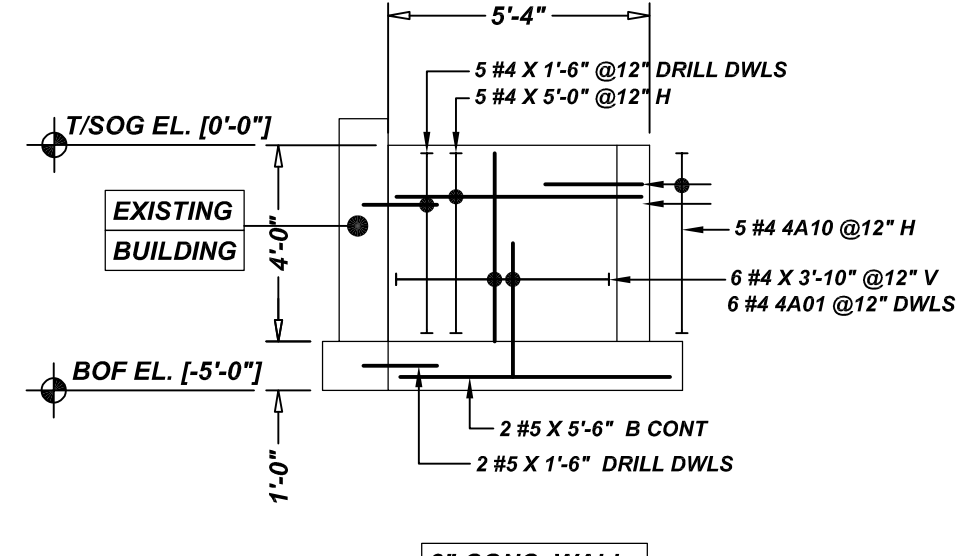
TYPICAL BAR CLEARANCE TABLE

FOOTING:
 BOTTOM : 3"
 SIDE : 3"
 PIER:
 TIES : 1 1/2"

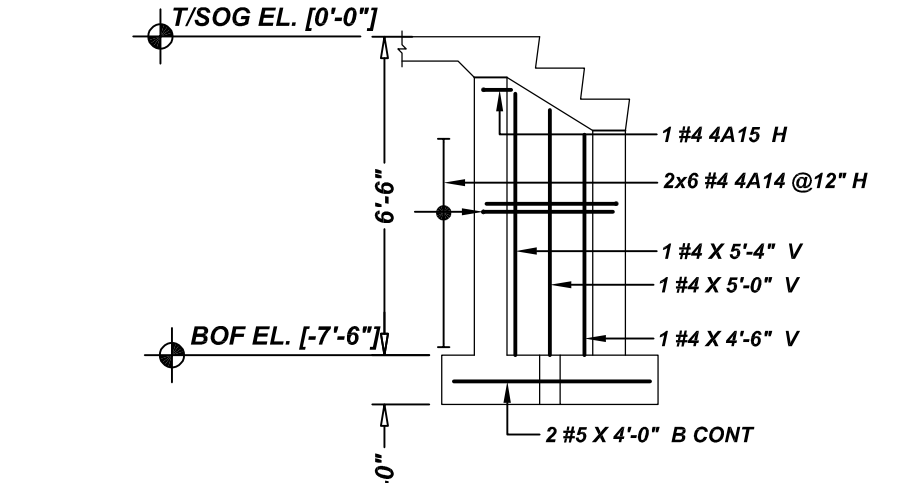
GC PLEASE VERIFY COVER WE FOLLOWED (TYP.)



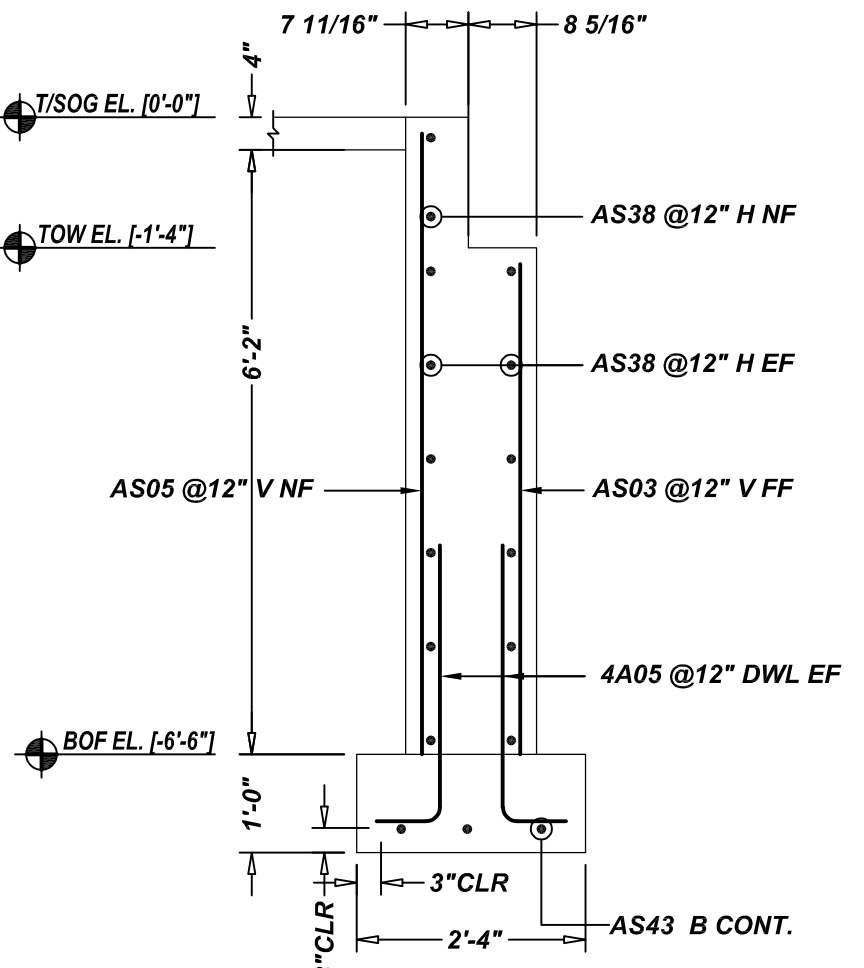
8" CONC. WALL
F ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2



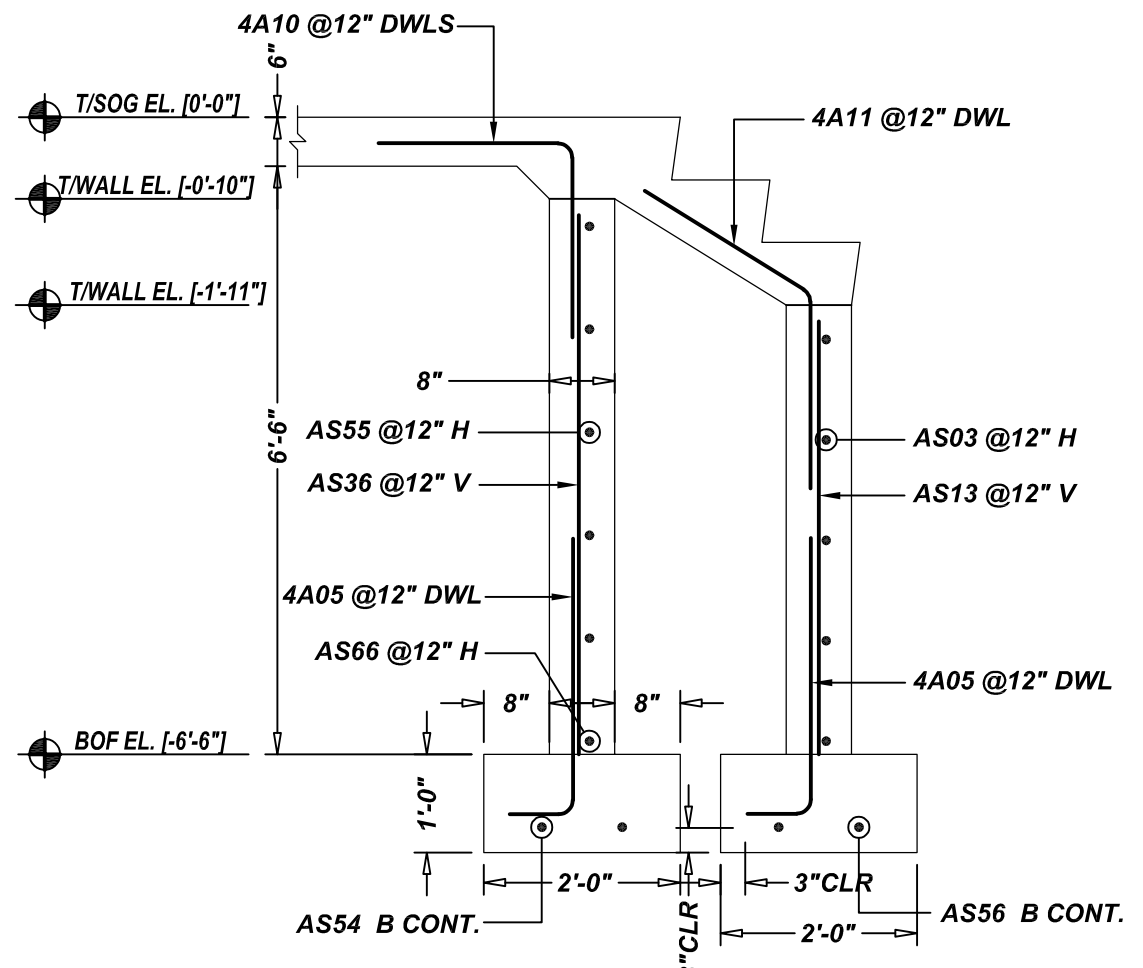
8" CONC. WALL
G ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2



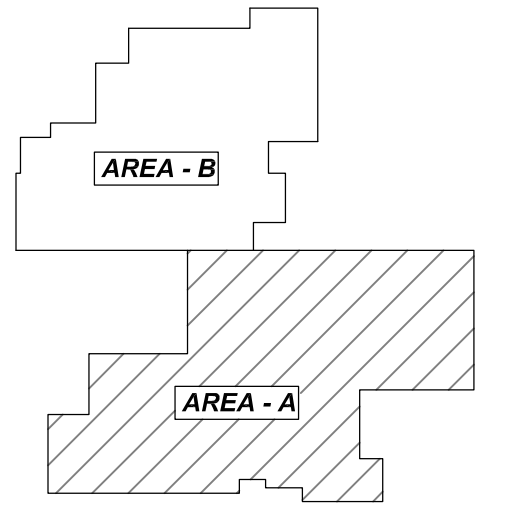
8" CONC. WALL
H ELEVATION
 SCALE: 1/4"=1'-0"
 REF: A2/S50-1, A3/S50-2



SECTION 1
 SCALE: 1/2"=1'-0"
 REF: A2/S50-1



SECTION 2
 SCALE: 1/2"=1'-0"
 REF: A1/S50-2



AREA KEY PLAN
 SCALE: NTS.

REBAR GRADE 60 ASTM A-615		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
SPLICES USED		ADD. = Additional		Imperial	
CLASS B 3,000 psi UNO		B.O.W. = Bottom of wall		Soft Metric	
TOP BARS		C.B. = Corrug Bars		#3	#10
#3 28"	#3 22"	D.I.A.G. = Diagonal		#4	#13
#4 37"	#4 29"	D.O. = Door Opening		#5	#16
#5 47"	#5 36"	D.W.L.S. = Dowels		#6	#19
#6 56"	#6 43"	E.F. = Each Face		#7	#22
#7 81"	#7 63"	E.S. = Each Side		#8	#25
#8 93"	#8 72"	E.W. = Each Way		#9	#29
#9 105"	#9 81"	F.F. = Footing		#10	#32
#10 118"	#10 91"	F.F. = Far Face		#11	#36
#11 131"	#11 101"	HORIZ. = Horizontal			
#14	#14	I.F. = Inside Face			
		INTERSECT. = 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			

PRESUMPCOT ELEMENTARY SCHOOL
 FOUNDATION WALL REINFORCEMENT DETAILS AREA-A
PORTLAND, MAINE

CUSTOMER: GREAT FALLS CONSTRUCTION
 DESIGNER: HARRIMAN STRUCTURAL ENGINEER

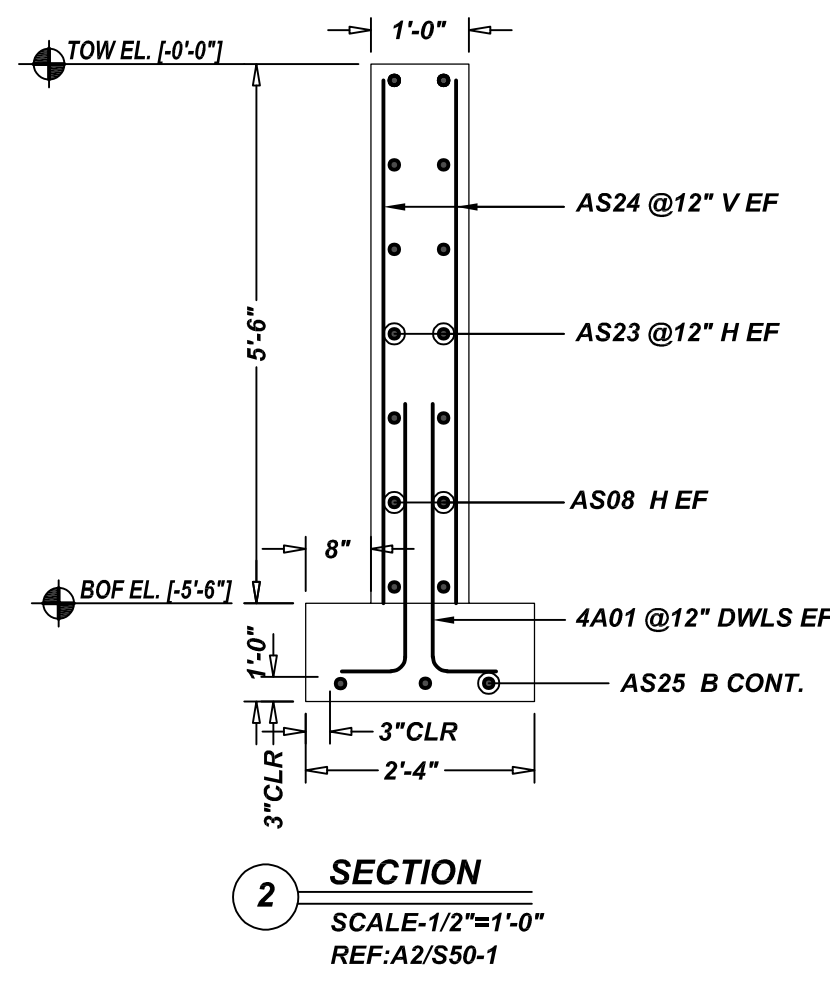
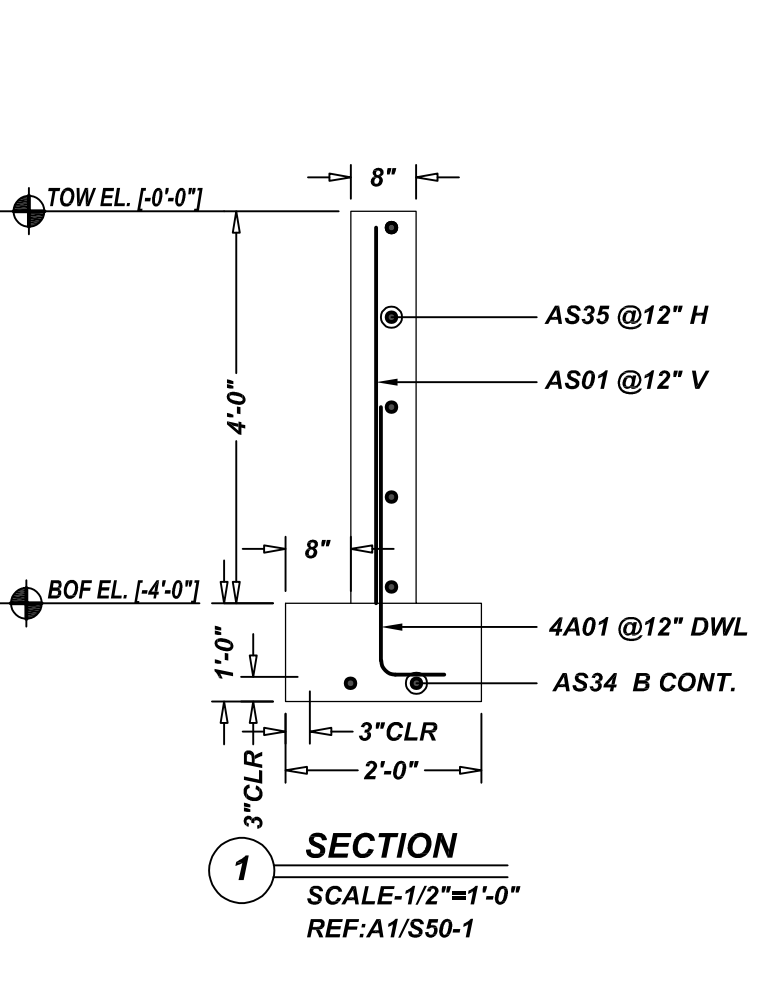
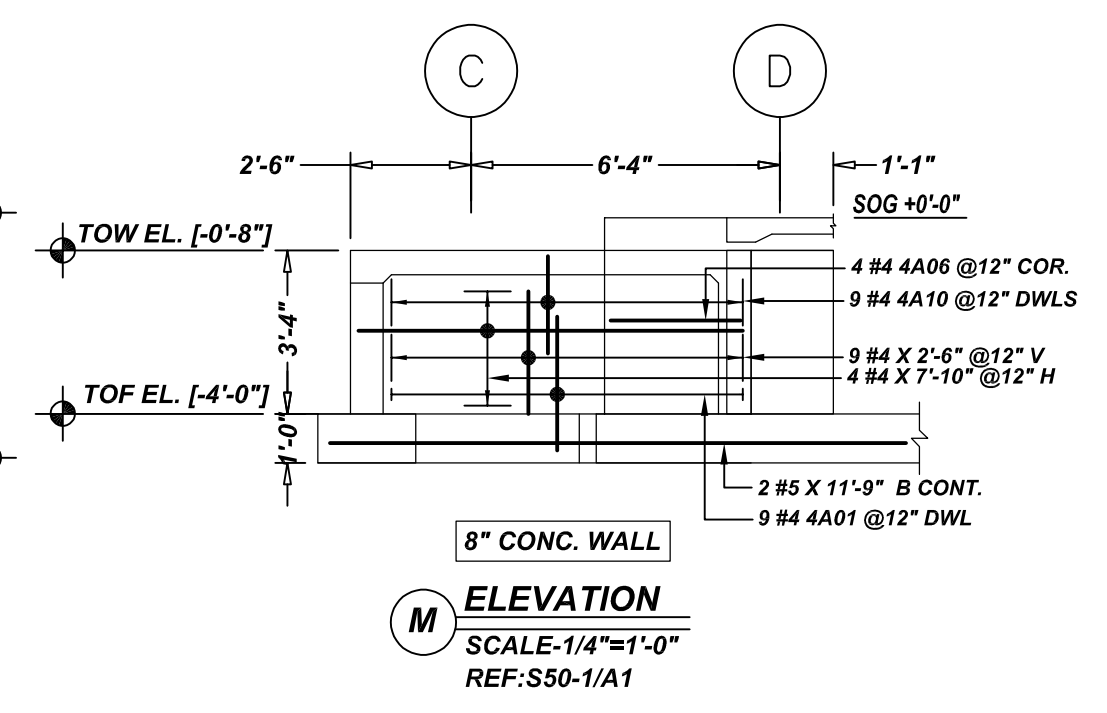
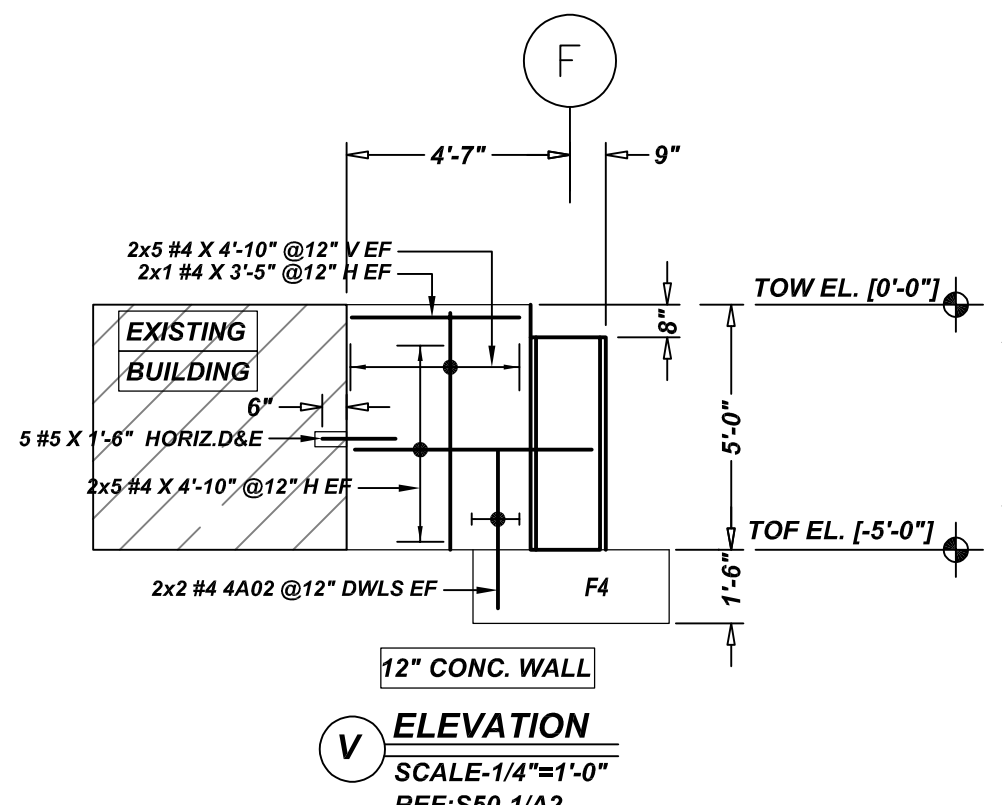
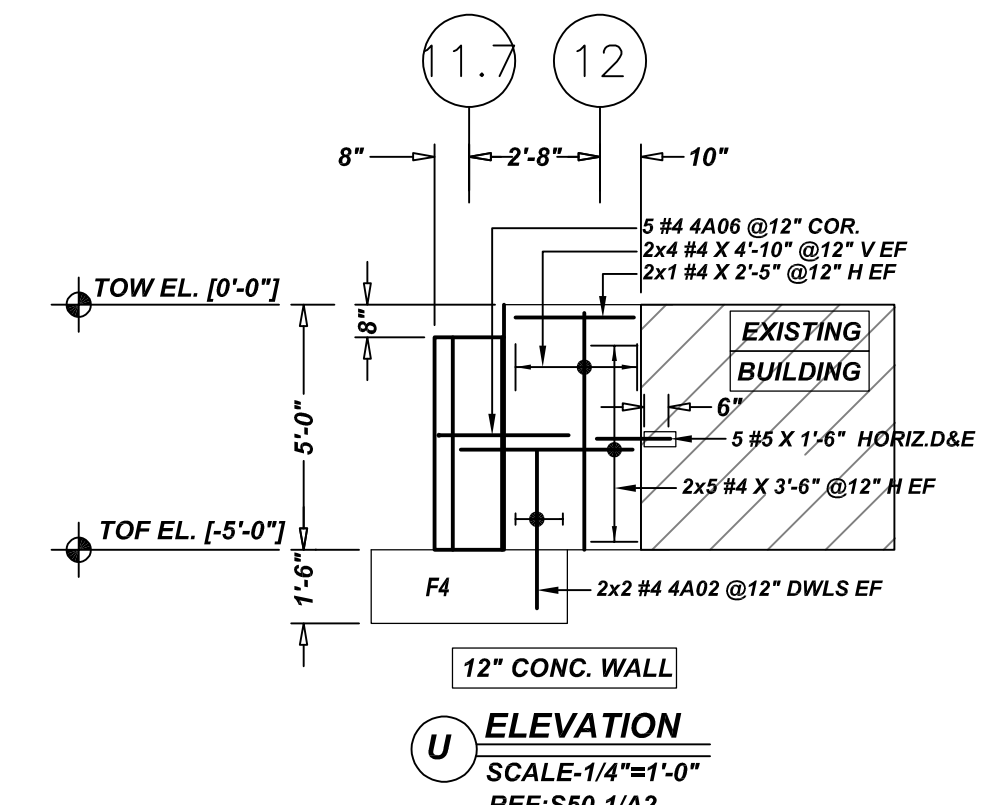
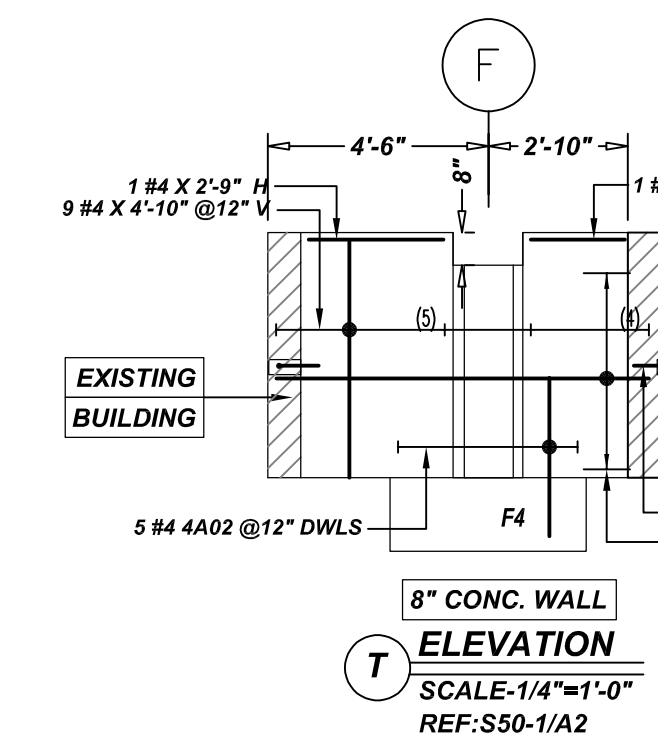
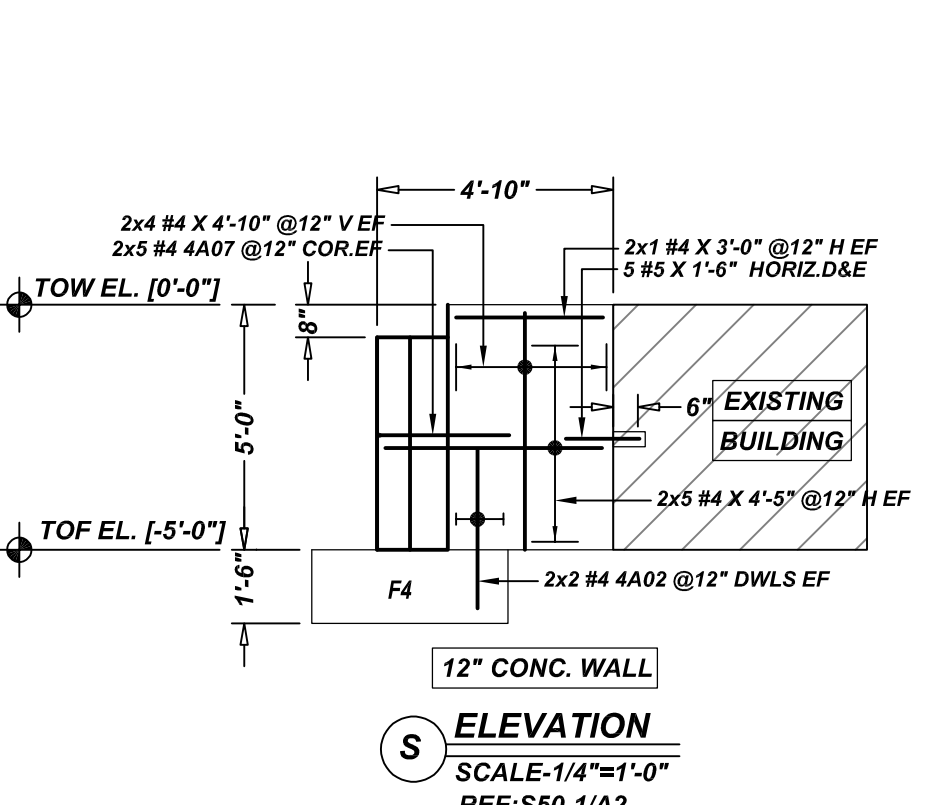
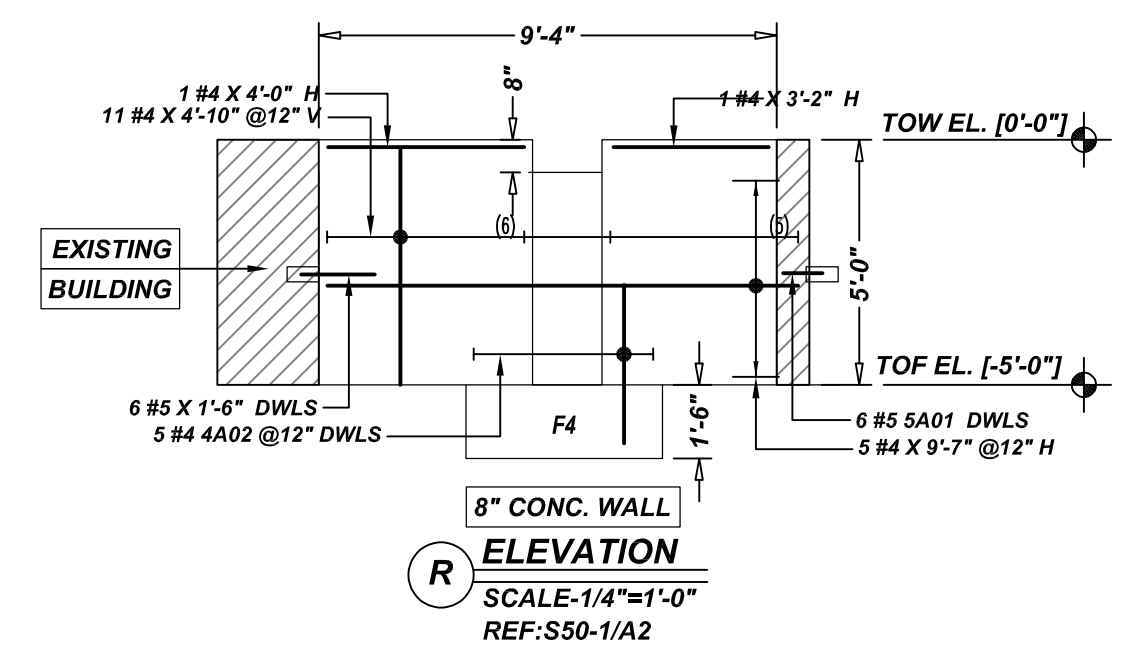
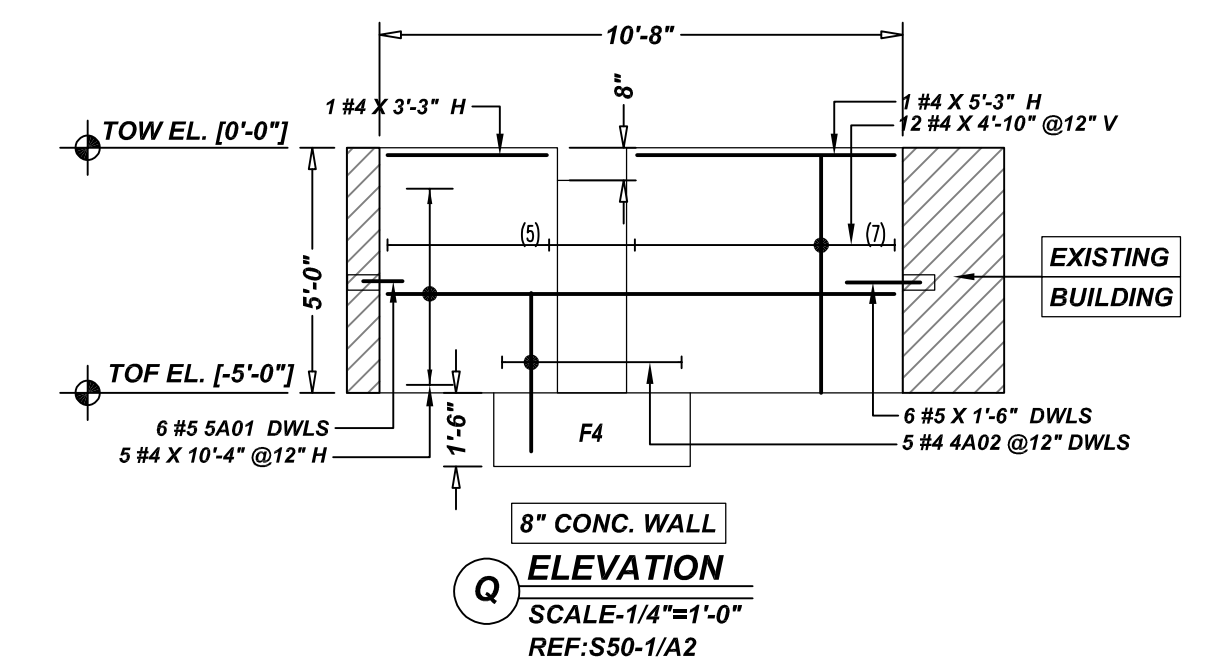
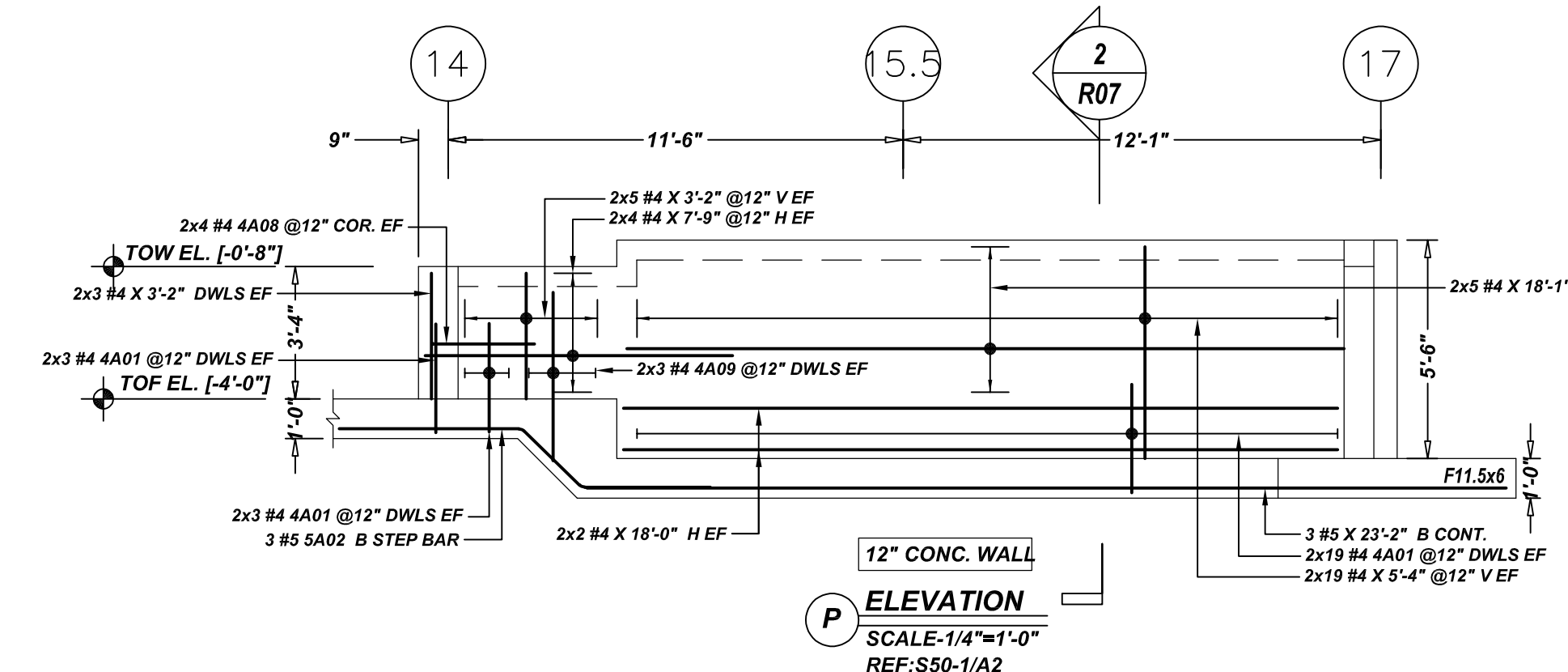
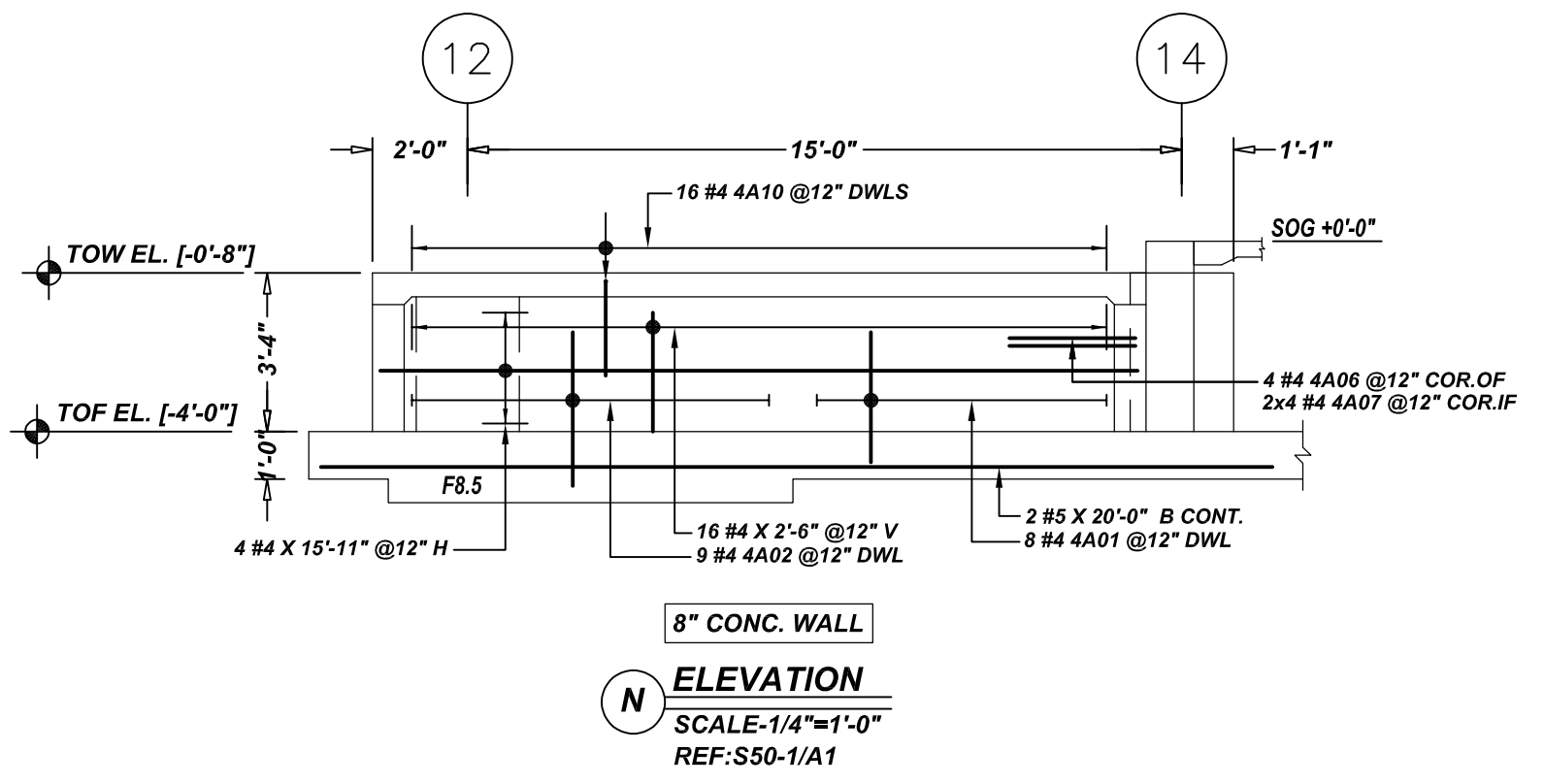
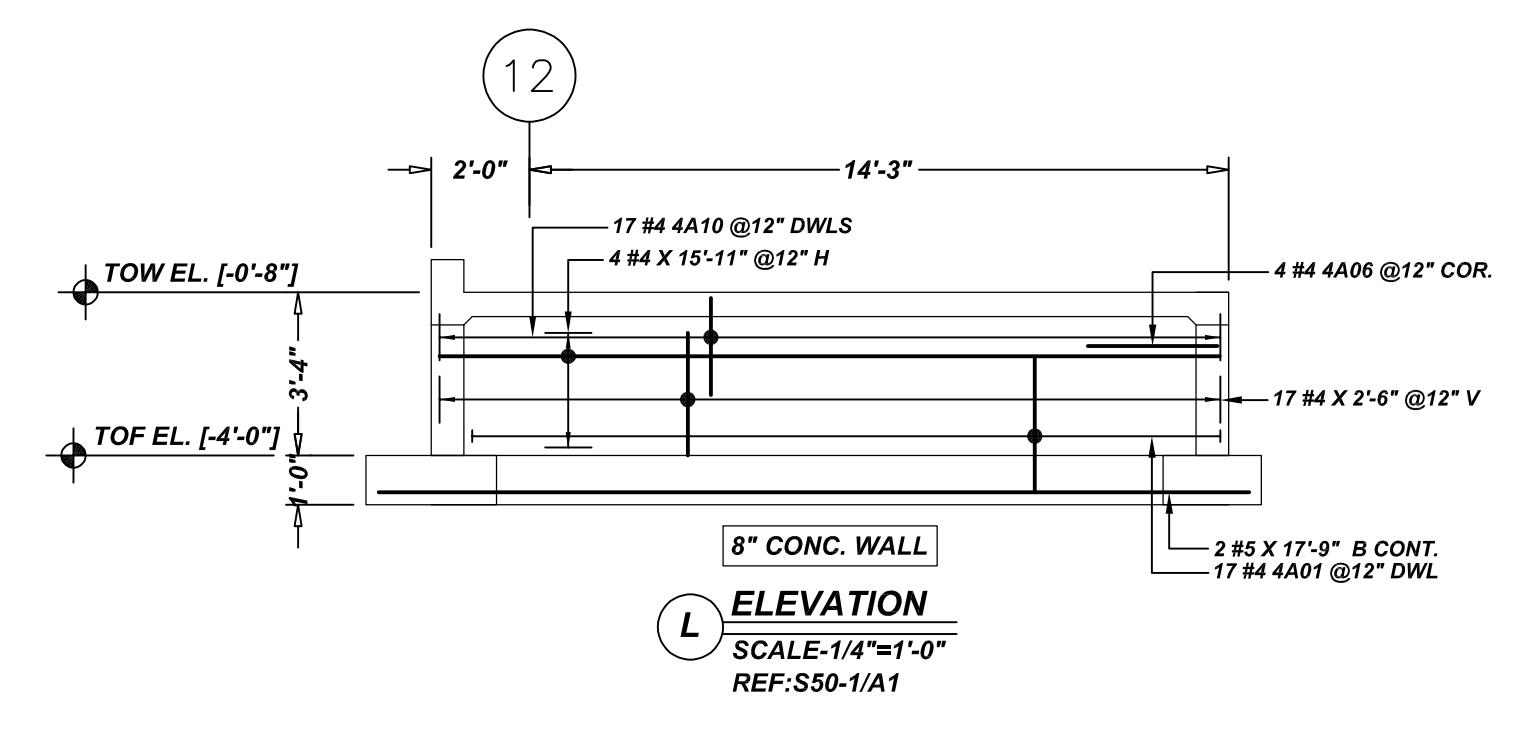
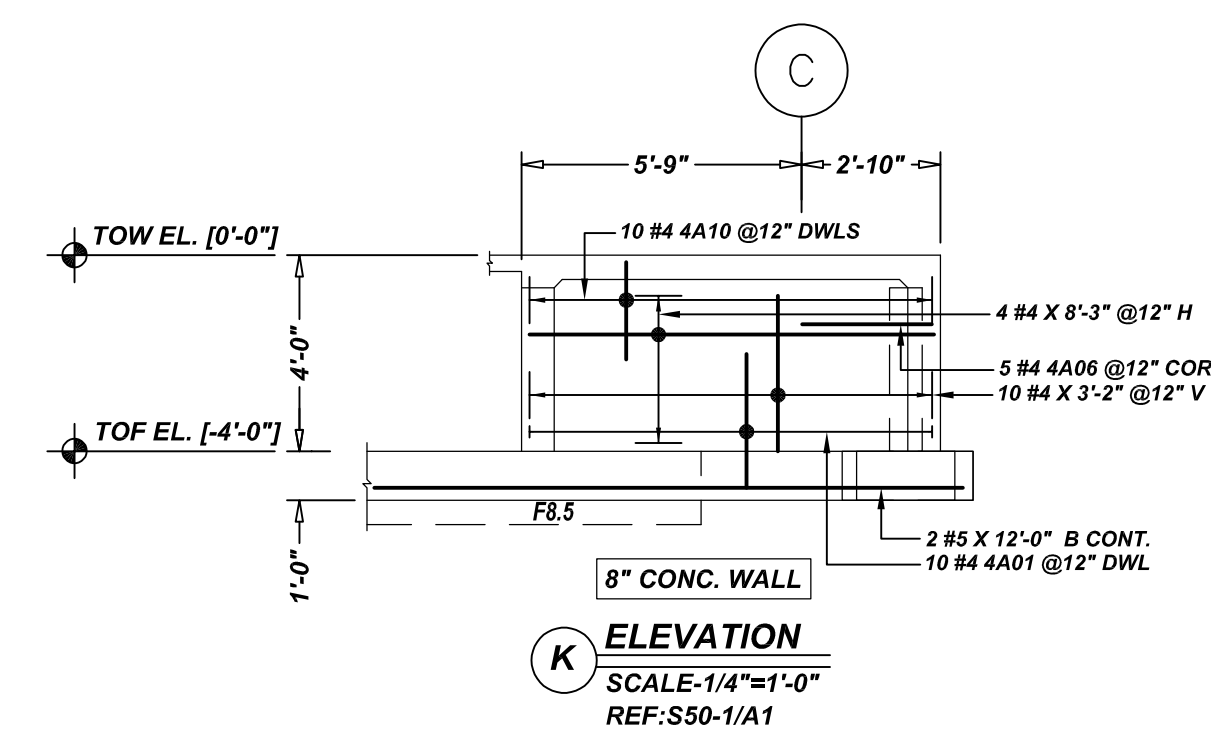
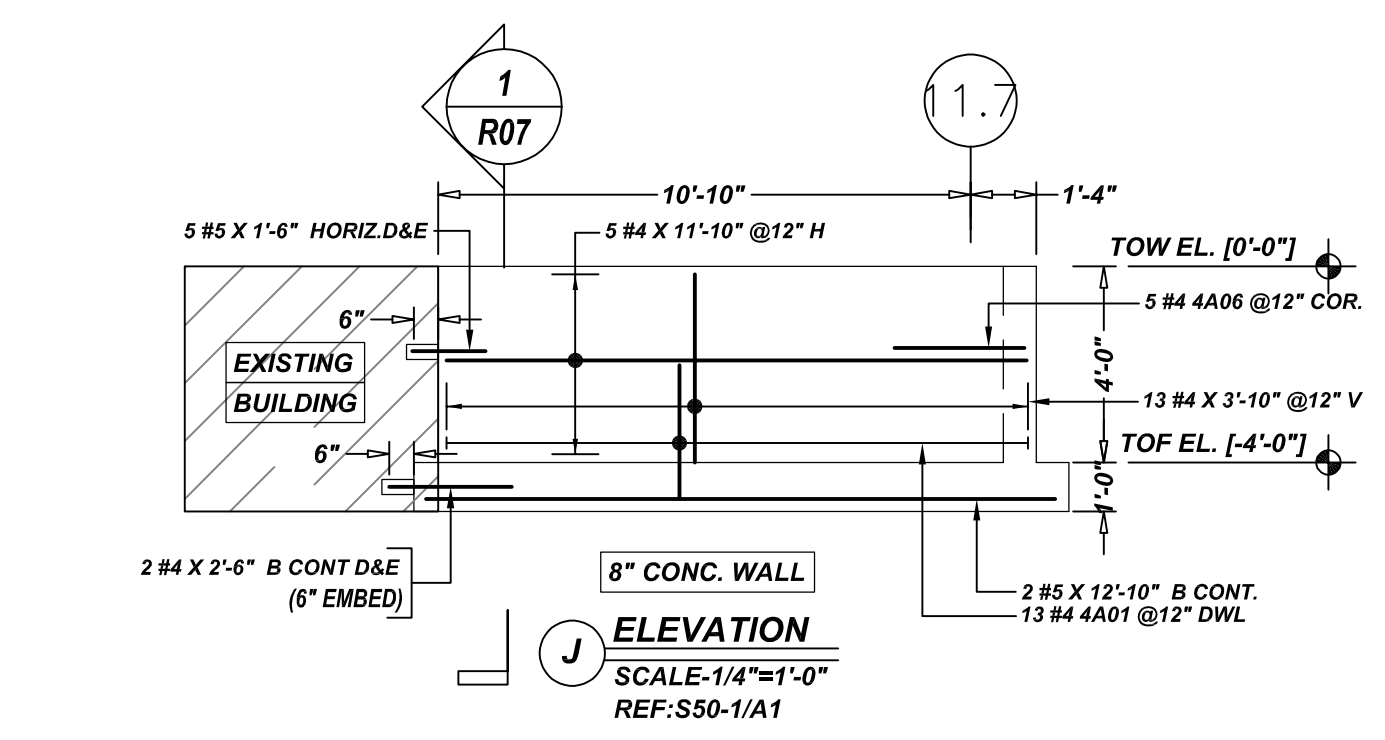
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0	08.09.21				

DRAWN BY	DATE	JOB NO	SHEET NO.
KBS/MET	08.09.21	M921P844	R06

NOTICE

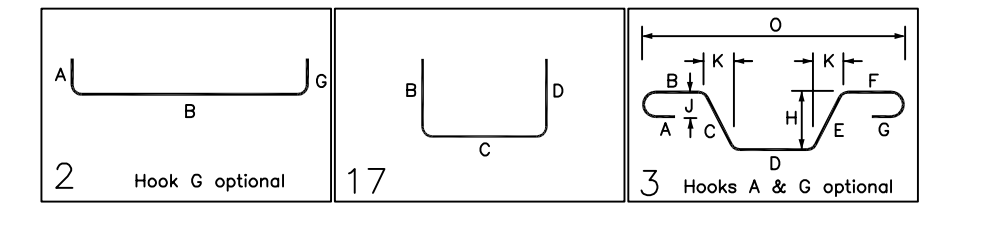
SHORTAGES, IMPROPER FABRICATION OR CLAIMS FOR ANY OTHER REASON MUST BE REPORTED TO THIS COMPANY WITHIN 10 DAYS FROM ORIGINAL DELIVERY. THIS COMPANY ALSO RESERVES THE RIGHT TO FIELD INSPECT MATERIALS PRIOR TO REPLACEMENT OR RECONDITIONING OF MATERIALS AND WILL NOT BE LIABLE FOR CHARGES FROM WORK DONE 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.



Release Number: R07

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X''	Y''	Z''	X'''	Y'''	Z'''
4A01	107	#4	3'-5"	2	0'-8"	2'-9"							
4A02	36	#4	3'-11"	2	0'-8"	3'-3"							
4A06	27	#4	5'-4"	17		2'-8"	2'-8"						
4A07	16	#4	3'-4"	2	0'-8"	2'-8"							
4A08	8	#4	4'-3"	3		2'-2"	2'-2"			2'-2"		0'-3"	2'-9"
4A09	8	#4	4'-11"	2	0'-8"	4'-3"				2'-2"			
4A10	50	#4	4'-0"	17		2'-0"	2'-0"						
5A01	24	#5	1'-10"	17		0'-10"	1'-0"						
5A02	3	#5	9'-11"	3		4'-7"	2'-1"	3'-3"			1'-6"	1'-5"	9'-4"

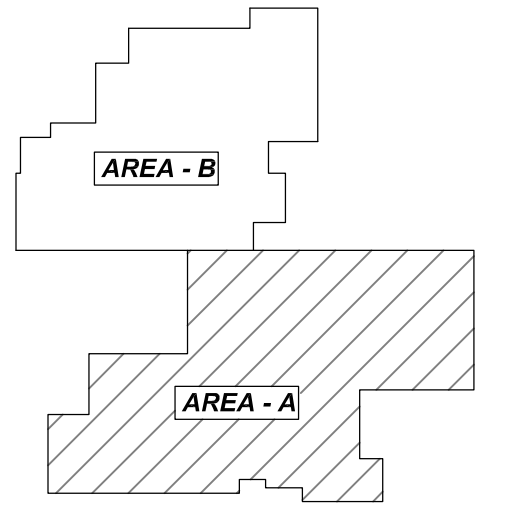


TYPICAL BAR CLEARANCE TABLE

FOOTING:-
BOTTOM: 3"
SIDE: 3"

PIER:-
TIES: 1 1/2"

GC PLEASE VERIFY COVER WE FOLLOWED (TYP.)



REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 3,000 psi UNO

TOP BARS	OTHER BARS
#3 28"	#3 22"
#4 37"	#4 29"
#5 47"	#5 36"
#6 56"	#6 43"
#7 81"	#7 63"
#8 93"	#8 72"
#9 105"	#9 81"
#10 118"	#10 91"
#11 131"	#11 101"
#14	

ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
		Imperial	Soft Metric
ADD.	= Additional	#3	#10
B.O.W.	= Bottom of wall	#4	#13
C.B.	= Cornix Bars	#5	#16
DIAG.	= Diagonal	#6	#19
D.O.	= Door Opening	#7	#22
DWLS.	= 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		
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PRESUMPCOT ELEMENTARY SCHOOL
FOUNDATION WALL REINFORCEMENT DETAILS AREA-A
PORTLAND, MAINE

CUSTOMER: GREAT FALLS CONSTRUCTION
DESIGNER: HARRIMAN STRUCTURAL ENGINEER

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	08.09.21				

DRAWN BY	DATE	JOB NO	SHEET NO.
KBS/MET	08.09.21	M921P844	R07