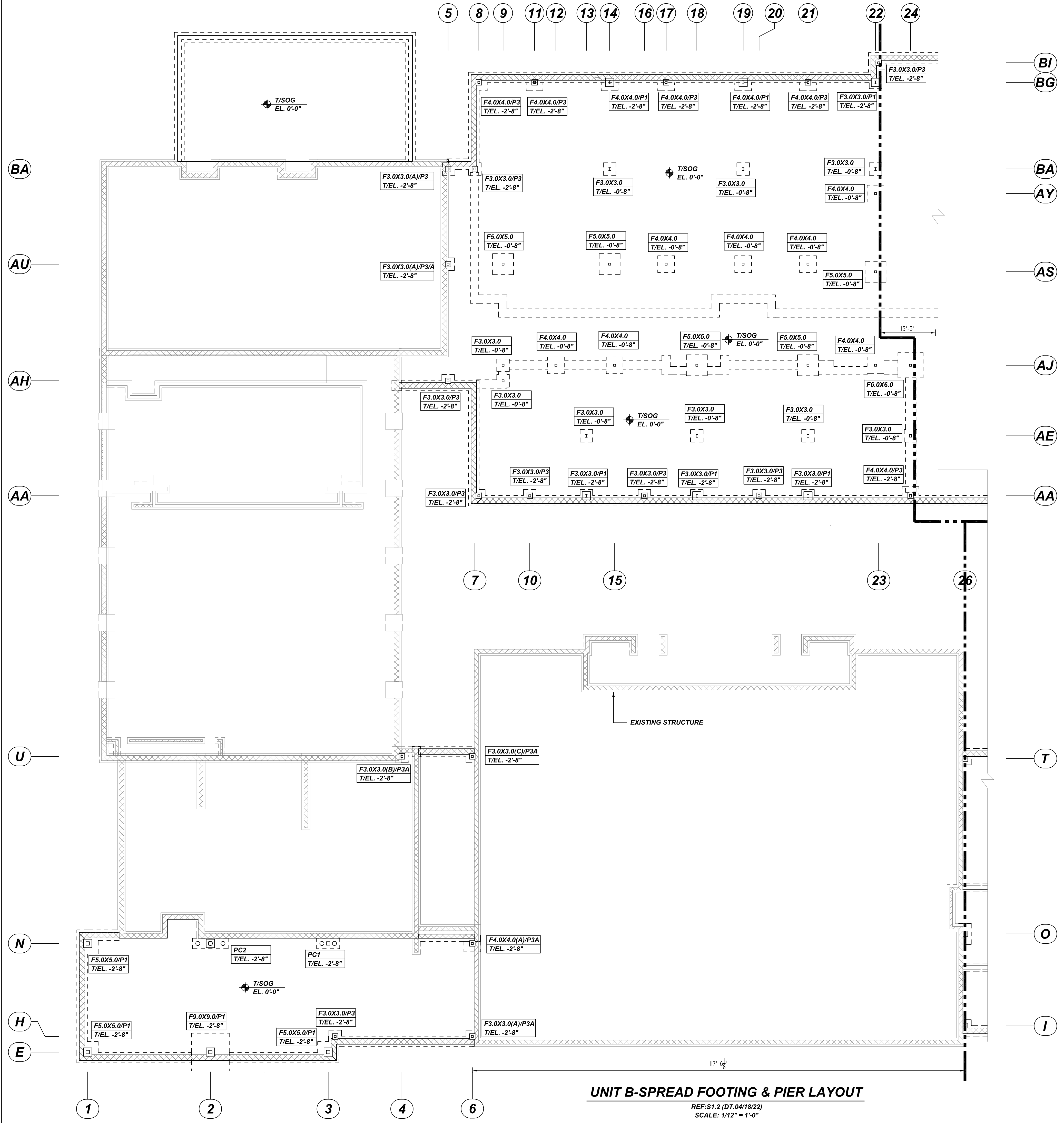
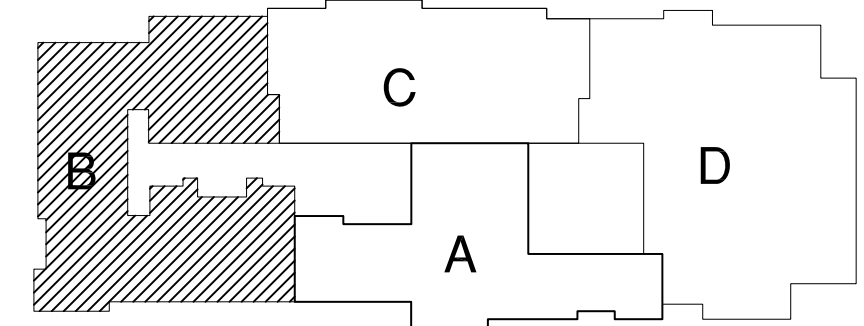


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SPREAD FOOTING SCHEDULE					
MARK	QTY	SIZE	GRID LOCATION	REINFORCING	REMARK
F3.0X3.0	21	3'-0" X 3'-0" X 1'-0"	14, 19 & 22/BA 9/AJ, 9/AH, 13, 18, 21 & 22/AE, 22/BI, 8/BA 5/AH, 7, 10, 16 & 20/AA, 13/AA 3-4/H, 18, 21/AA, 22/BG	21x2x3 #5 X 2'-6" B EW	SECTION 1/R08
F3.0X3.0(A)	3	3'-0" X 3'-0" X 1'-0"	5/BA, 5/AU & 6/I	3x3 #5 X 2'-6" B LW 3x3 #5 X 1'-5" B SW 3x3 #5 X 2'-0" D&E DWLS HILTI HIT HY 200	SECTION 1/R08
F3.0X3.0(B)	1	3'-0" X 3'-0" X 1'-0"	4/U	3 #5 X 1'-10" B LW 3 #5 X 1'-2" B SW 3 #5 X 2'-0" D&E DWLS HILTI HIT HY 200	SECTION 1/R08
F3.0X3.0(C)	1	3'-0" X 3'-0" X 1'-0"	6/U	3 #5 X 1'-6" B LW 3 #5 X 1'-5" B SW 3 #5 X 2'-0" D&E DWLS HILTI HIT HY 200	SECTION 1/R08
F4.0X4.0	14	4'-0" X 4'-0" X 1'-0"	8/BG, 11/BG, 14/BG, 17/BG 19/BG, 21/BG & 22/AY 17/AU, 19/AU, 21/AU, 12/AJ 14/AJ, 22/AJ & 24/AA	14x2x6 #5 X 3'-6" B EW	SECTION 1/R08
F4.0X4.0(A)	1	4'-0" X 4'-0" X 1'-0"	N/6	6 #5 X 3'-6" B LW 6 #5 X 2'-0" B SW 3 #5 X 2'-0" D&E DWLS HILTI HIT HY 200	SECTION 1/R08
F5.0X5.0	8	5'-0" X 5'-0" X 1'-0"	9/AU, 14/AU, 22/AS, 18/AJ 21/AJ, N/1, E/1 & E/3	8x2x5 #6 X 4'-6" B EW	SECTION 1/R08
F6.0X6.0	1	6'-0" X 6'-0" X 1'-1"	24/AJ	2x7 #6 X 5'-6" B EW	SECTION 1/R08
F9.0X9.0	1	9'-0" X 9'-0" X 1'-7"	2/E	2x8 #8 X 8'-6" B EW	SECTION 1/R08
PC1	1	5'-6"x2'-6"x2'-8"	3/N	2x3 #6 X 5'-0" T&B 6 #4 4B07 @24" TIES	SECTION 7/R08
PC2	1	8'-6"x2'-6"x2'-8"	2/N	2x3 #6 X 8'-0" T&B 9 #4 4B07 @24" TIES	SECTION 7/R08



KEY PLAN
 REF: S1.1 (DT.04/18/22)
 SCALE: 1/12" = 1'-0"

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

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

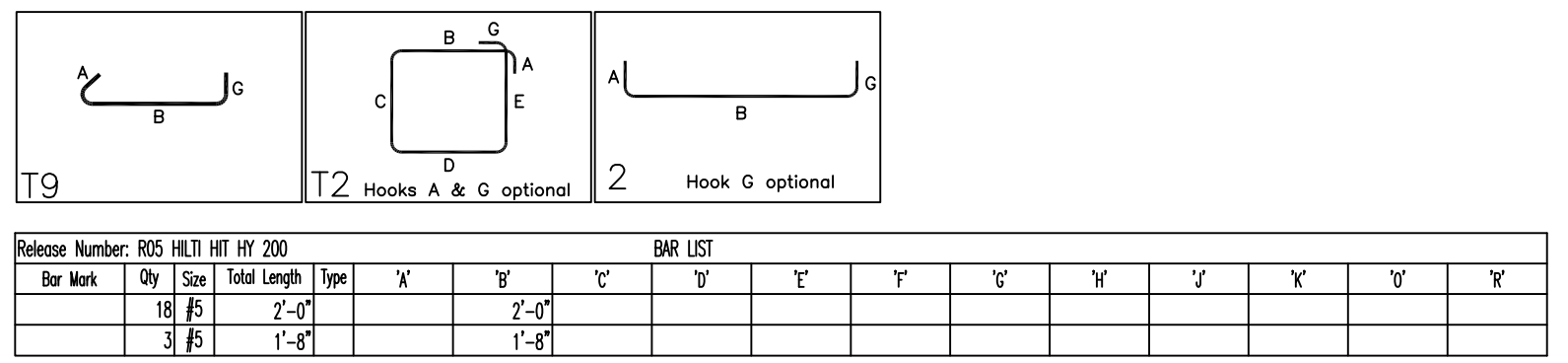
PIER SCHEDULE						
MARK	QTY	SIZE	GRID LOCATION	VERTS	TIES & ADD'L TIES	REMARK
P1	10	2'-0"x2'-0"	1/E, 1/N, 2/E, 3/E, 13/AA 18/AA, 21/AA, 14/BG 19/BG & 22/BG	10x8 #8 8B01 VERT.	10x5 #3 3B02 TIES 10x2x5 #3 3B01 LINKS	SECTION 3/R08
P3	14	1'-4"x1'-4"	23/BI, 8/BG, 11/BG, 5/AH 17/BG, 21/BG, 22/AA, 8/AA, 9/AA, 18/AA, 20/AA 3-4/H, 5, 8/BA & 24/AA	14x4 #8 8B01 VERT.	14x5 #3 3B03 TIES	SECTION 3/R08
P3A	5	1'-4"x1'-4"	5/AU, 4/U, 6/U, 6/N & 6/H	5x2 #8 8B01 VERT.	5x5 #3 3B03 TIES	SECTION 2/R08

LAP SCHEDULE

3000 PSI (CLASS-B) CASE - 1
 Per ACI :318 (12.2.2)

BAR#	TOP	OTHERS
#3	2'-4"	1'-10"
#4	3'-11"	2'-5"
#5	3'-11"	3'-0"
#6	4'-8"	3'-7"
#7	6'-9"	5'-3"
#8	7'-9"	6'-0"
#9	8'-9"	6'-9"
#10	9'-10"	7'-7"
#11	10'-11"	8'-5"

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
3801	100	#3	2'-4"	T9	0'-4"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"
3802	50	#3	2'-4"	T9	0'-4"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"
3803	95	#3	4'-8"	T2	0'-4"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"	1'-8"
4807	15	#4	6'-9"	T2	0'-4"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
8801	148	#8	4'-7"	Z	1'-4"	3'-3"																								



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
18	15	#5	2'-0"	T9																										
3	15	#5	1'-8"	T9																										

REBAR GRADE 60 ASTM A-615

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

MARDELA MIDDLE & HIGH SCHOOL
 UNIT B-SPREAD FOOTING & PIER REINFORCEMENT DETAILS
 MARDELA SPRINGS, MD 21837

CUSTOMER: -	DESIGNER: -	DRAWN BY: -	DATE: 06.08.22	JOB NO: -	SHEET NO. R05
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UNIT B-SPREAD FOOTING & PIER LAYOUT
 REF: S1.2 (DT.04/18/22)
 SCALE: 1/12" = 1'-0"

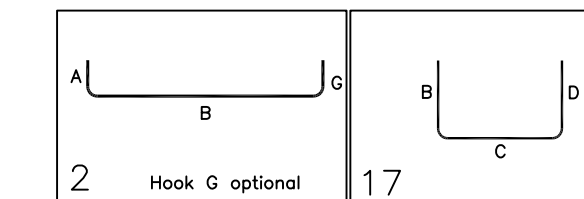
REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	06.08.22	APPROVAL			

NOTICE

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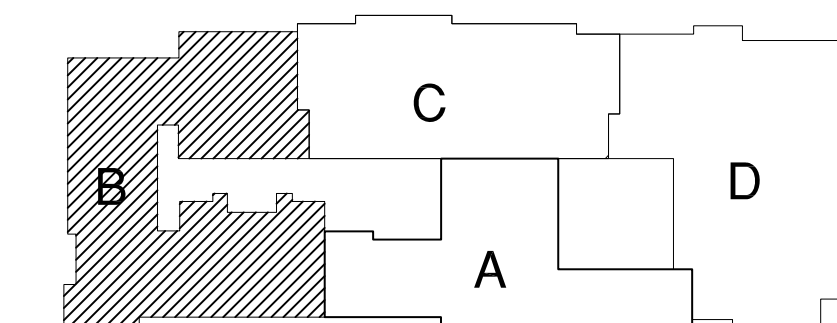
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Bar Mark	Qty	Size	Total Length	Type	X'	Y'	V'	W'	X'	Y'	V'	W'	X'	Y'	V'	W'
SB01	1	#5	16'-11"	2	0'-10"	16'-1"										
SB02	24	#5	6'-0"	17	3'-0"	3'-0"										
SB06	3	#5	12'-7"	17	3'-0"	9'-7"										
SB09	3	#5	30'-4"	2	0'-10"	29'-4"										
SB10	4	#5	9'-7"	2	0'-10"	8'-0"										
SB12	9	#5	7'-10"	17	3'-0"	4'-10"										
SB13	3	#5	11'-3"	17	3'-0"	8'-3"										
SB14	3	#5	8'-0"	2	0'-10"	7'-2"										
SB15	3	#5	5'-1"	2	0'-10"	4'-3"										
SB16	4	#5	7'-1"	17	3'-0"	4'-1"										
SB17	4	#5	4'-4"	17	3'-0"	5'-6"										
SB18	3	#5	23'-10"	2	0'-10"	23'-0"										



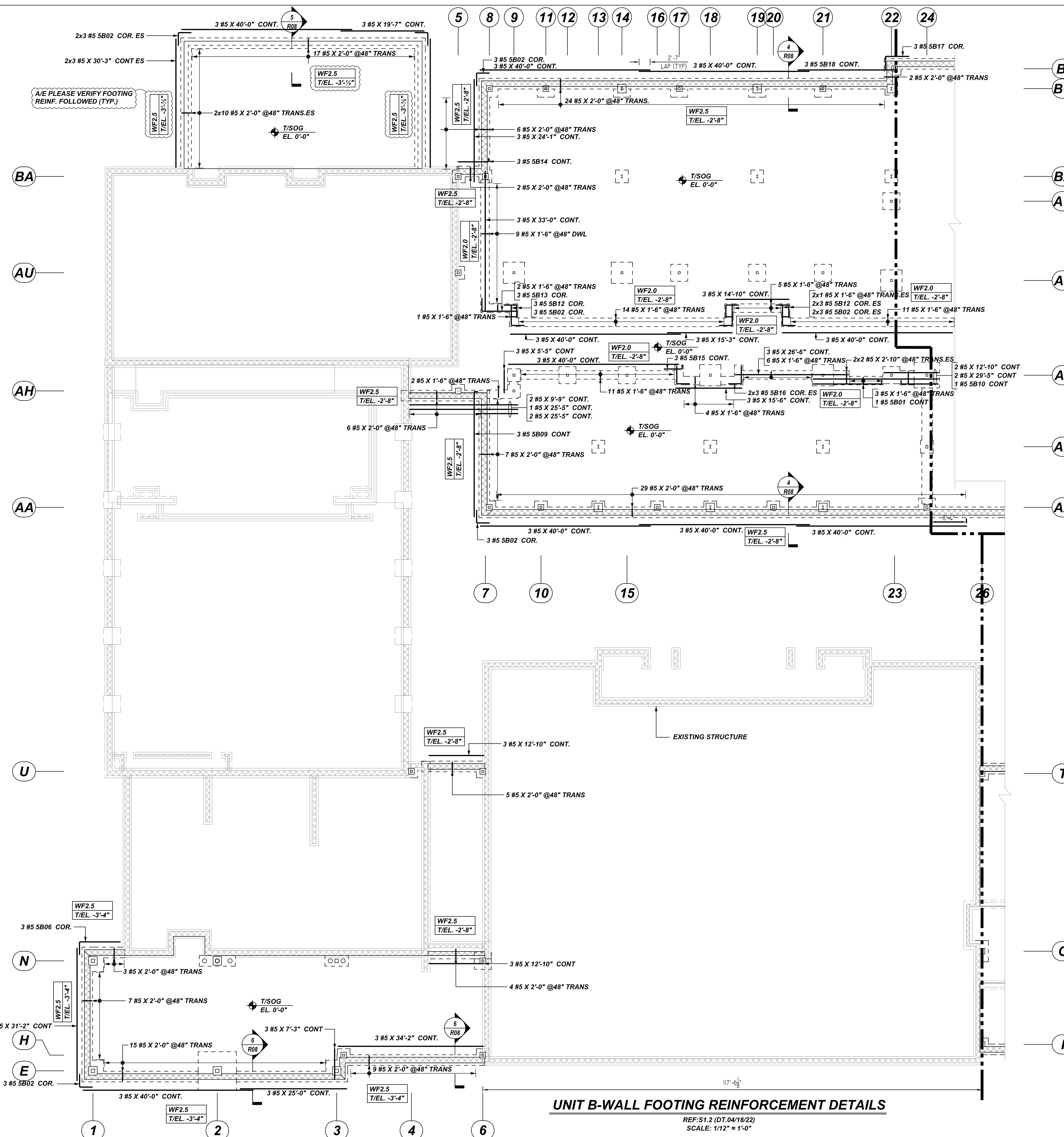
TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
FOOTING	3" CLR
PIER	2" CLR

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



KEY PLAN

REF: S1.1 (DT.04/18/22)
SCALE: 1/12" = 1'-0"



UNIT B-WALL FOOTING REINFORCEMENT DETAILS

REF: S1.2 (DT.04/18/22)
SCALE: 1/12" = 1'-0"

REBAR GRADE 60 ASTM A-615

SPLICES USED

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

MARDELA MIDDLE & HIGH SCHOOL
UNIT B-WALL FOOTING REINFORCEMENT DETAILS
MARDELA SPRINGS, MD 21837

CUSTOMER: -
DESIGNER: -

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	06.08.22	APPROVAL			

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06.08.22	-	R06

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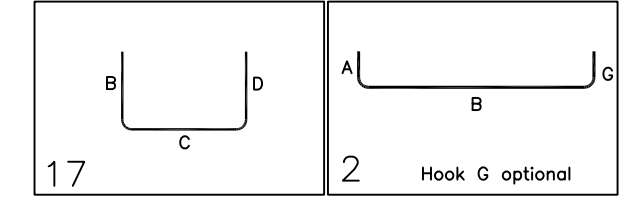
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MESH DETAILS

SL. NO	ELEMENT	MESH SIZE	SHEETS	AREA	REMARK
1	4" RHICK SOG	W/6x6-W2.1xW2.1 WWF 10 MIL VAPOR RETARDER	155	16090 SQ. FEET	8'-0" x 15'-0" SHEET SIZE (15% LAP ADDED)

Release Number: R07

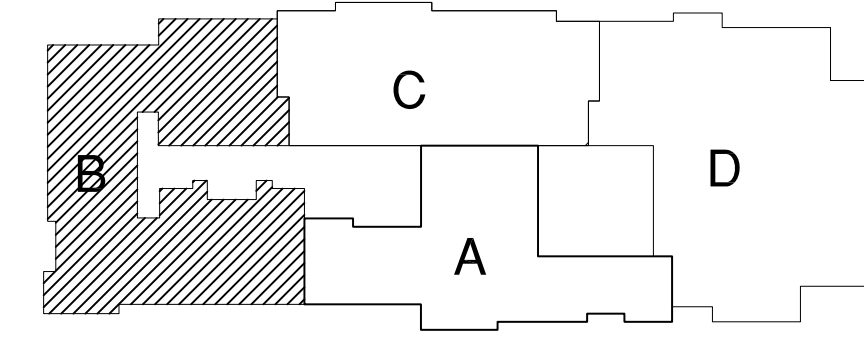
Bar Mark	Qty	Size	Total Length	Type	X	Y	U	V	W	X	Y	U	V	W	X	Y	
4801	5	#4	6'-0"	17			3'-0"										
4802	1	#4	12'-2"	17			3'-0"										
4803	1	#4	28'-3 1/2"	2	0'-10"	28'-5 1/2"											
4804	1	#4	7'-7"	2	0'-10"	6'-9"											
4805	1	#4	4'-4"	17			3'-0"										
4806	1	#4	23'-10"	2	0'-10"	23'-0"											
5803	74	#5	4'-10"	2	0'-11"	3'-11"											
5804	233	#5	4'-2"	2	0'-11"	3'-3"											
5805	3	#5	4'-1"	2	0'-10"	3'-3"											
5807	147	#5	3'-6"	2	0'-11"	2'-7"											
5808	15	#5	3'-5"	2	0'-10"	2'-7"											
5811	58	#5	4'-3"	2	0'-10"	3'-5"											



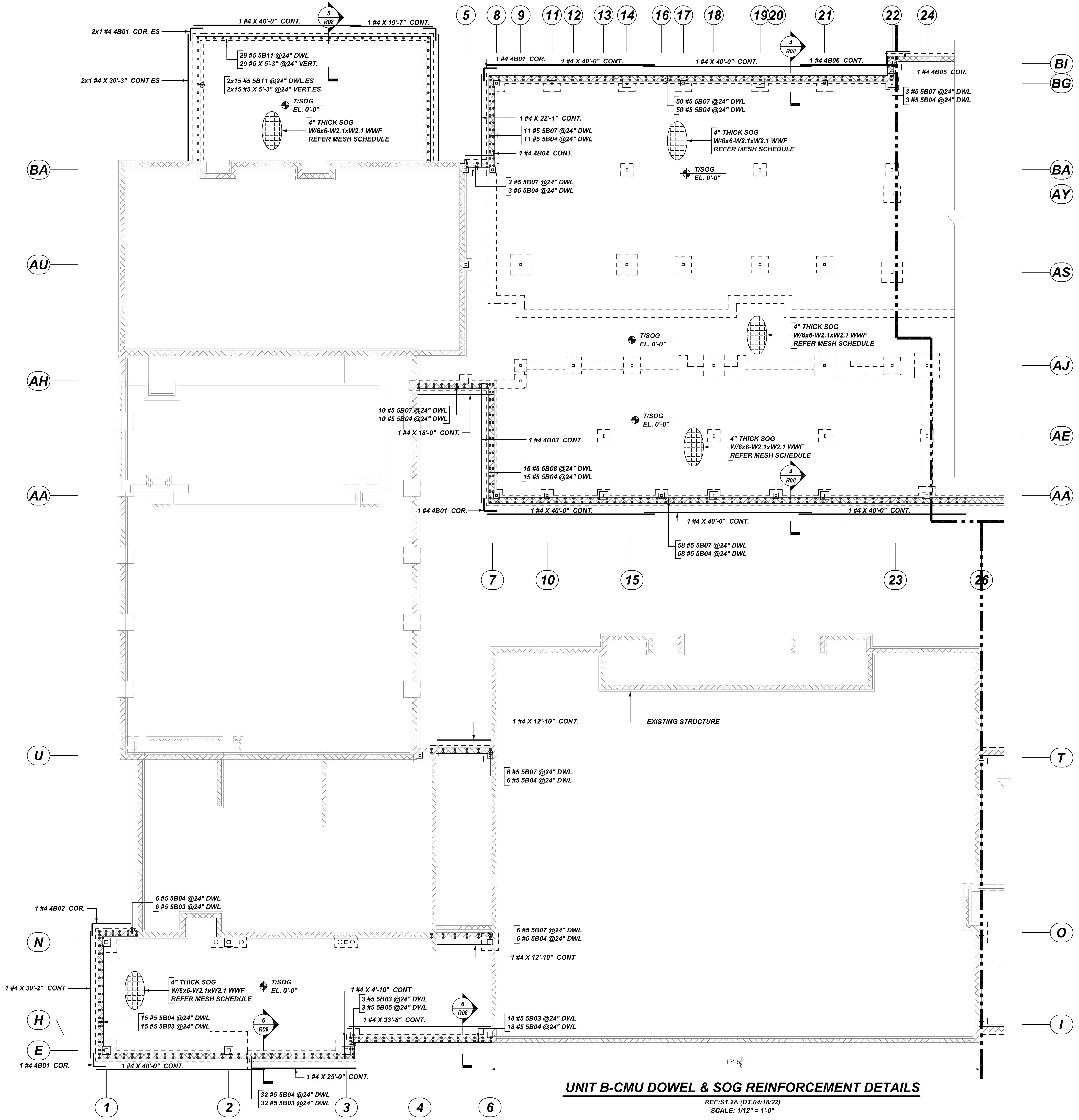
TYPICAL REINFORCING BAR CLEARANCE TABLE

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

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



KEY PLAN
 REF: S1.1 (DT.04/18/22)
 SCALE: 1/12" = 1'-0"



UNIT B-CMU DOWEL & SOG REINFORCEMENT DETAILS
 REF: S1.2A (DT.04/18/22)
 SCALE: 1/12" = 1'-0"

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
- 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

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	06.08.22	APPROVAL			

MARDELA MIDDLE & HIGH SCHOOL
 UNIT B-CMU DOWEL & SOG REINFORCEMENT DETAILS
MARDELA SPRINGS, MD 21837

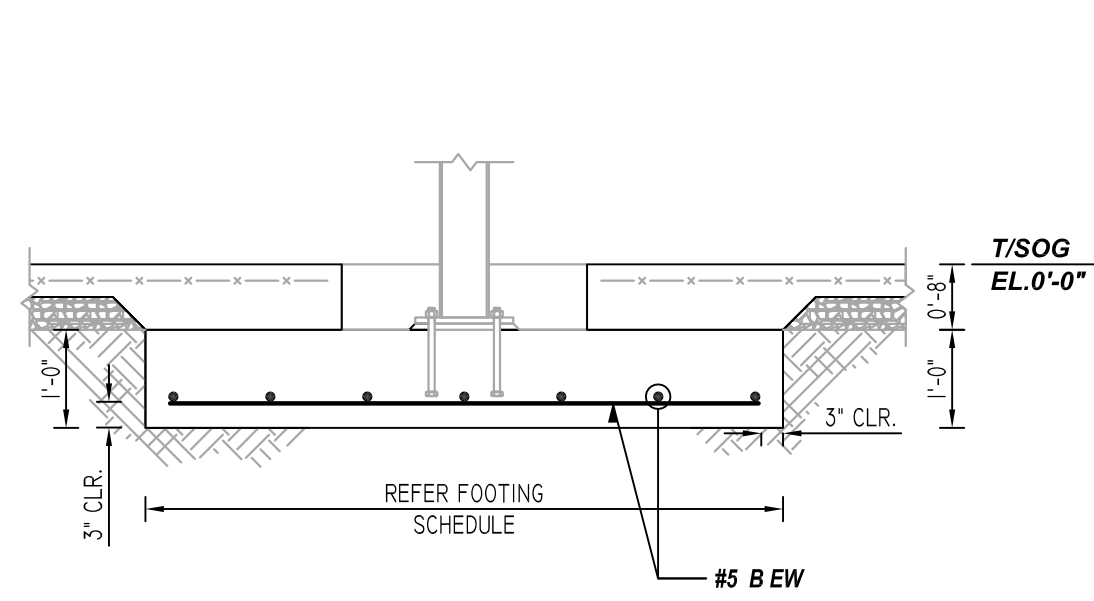
CUSTOMER: -
 DESIGNER: -

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06.08.22	-	R07

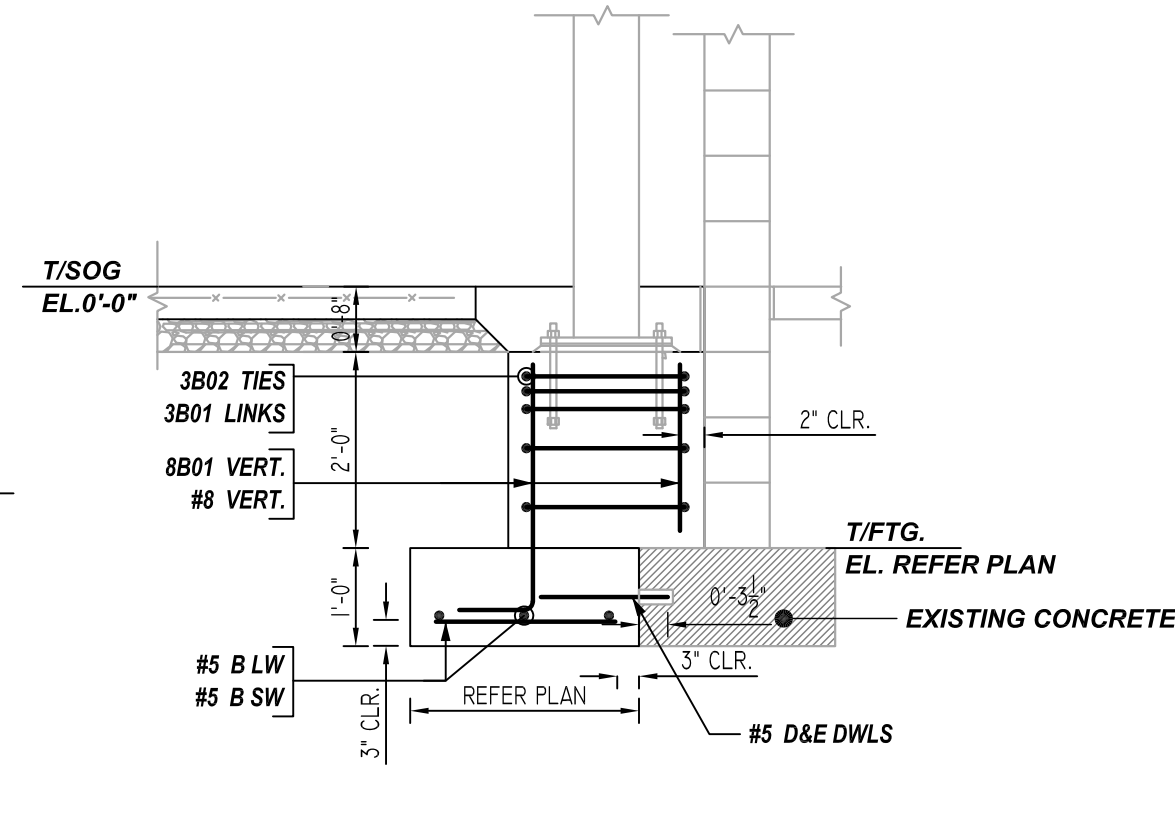
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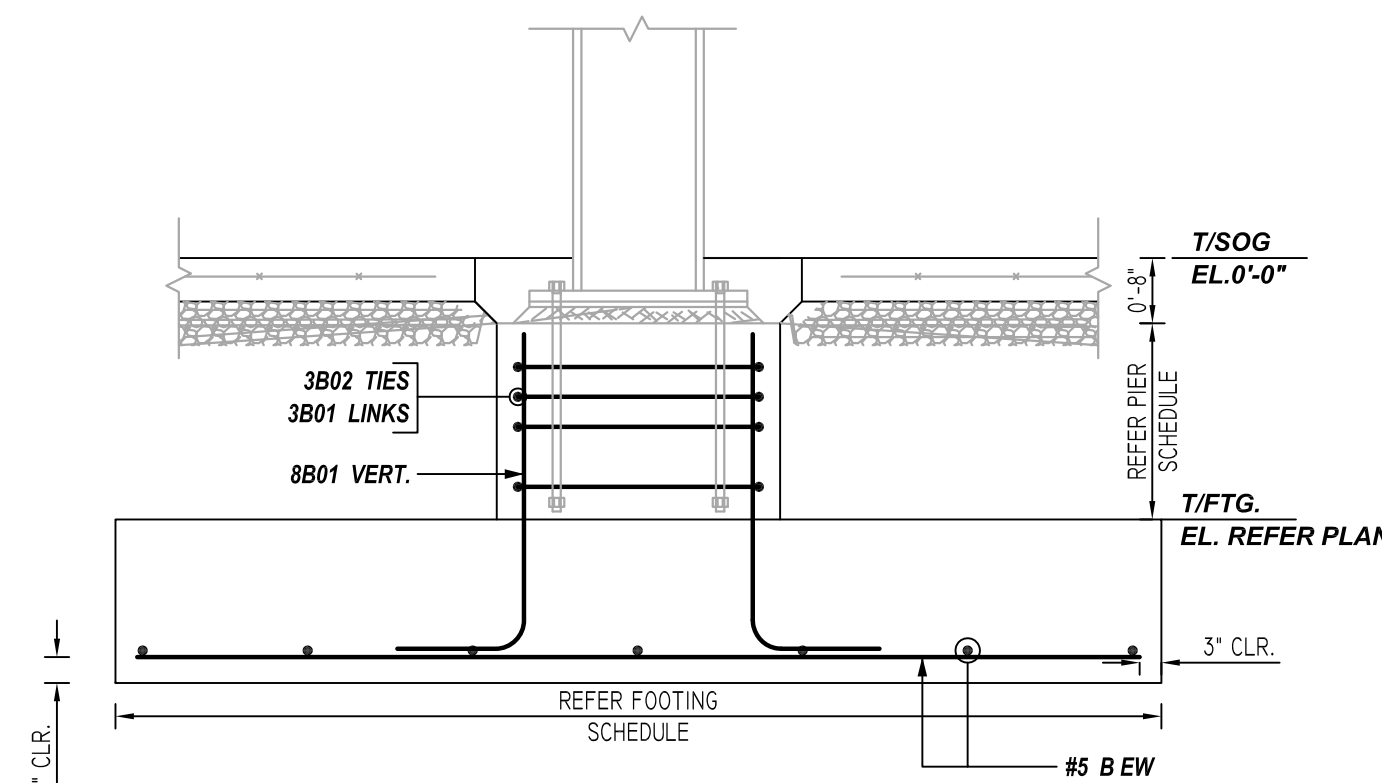
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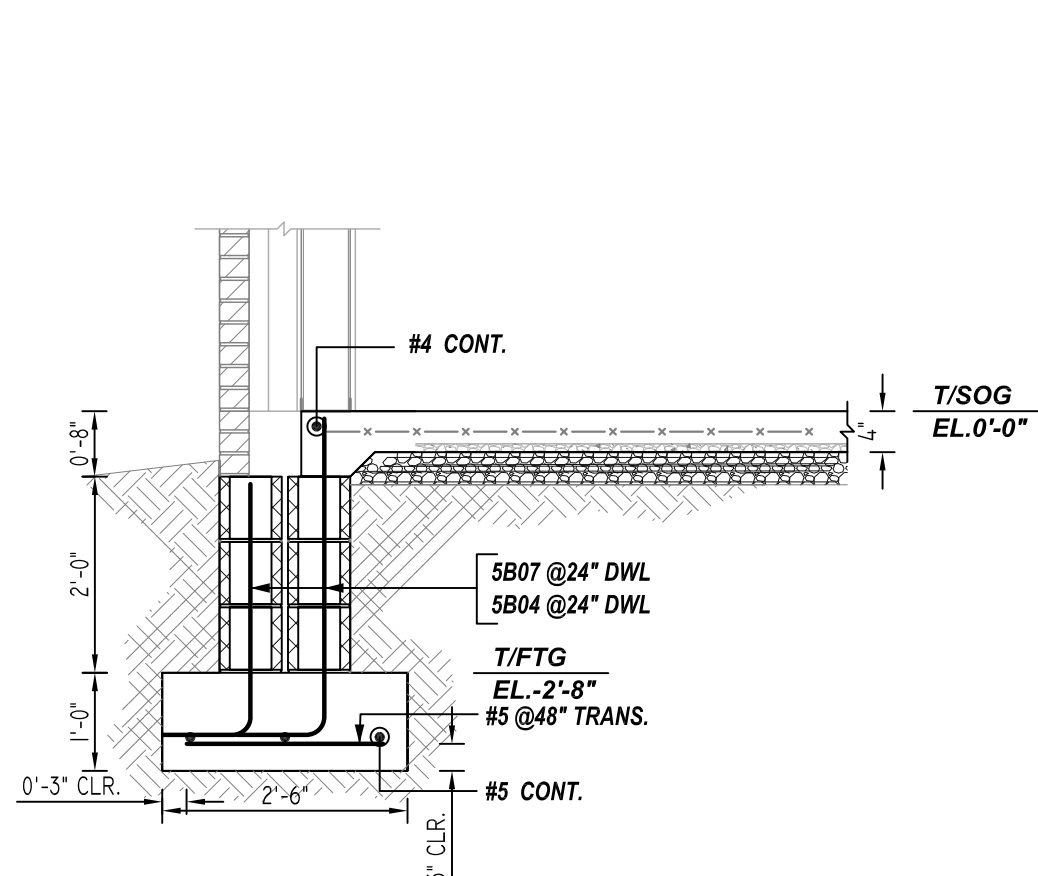
1 SECTION
REF: S0.1/3 (DT.04/18/22)
SCALE: 1/2" = 1'-0"



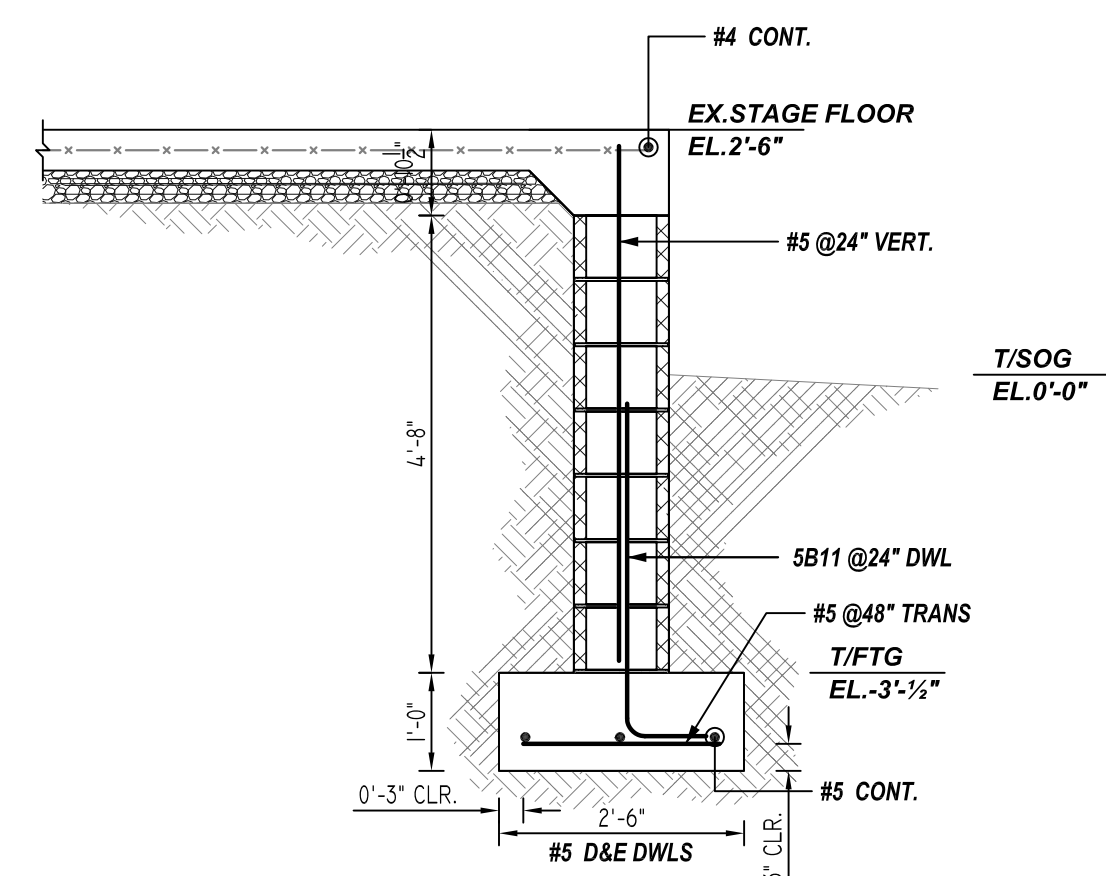
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SCALE: 1/2" = 1'-0"



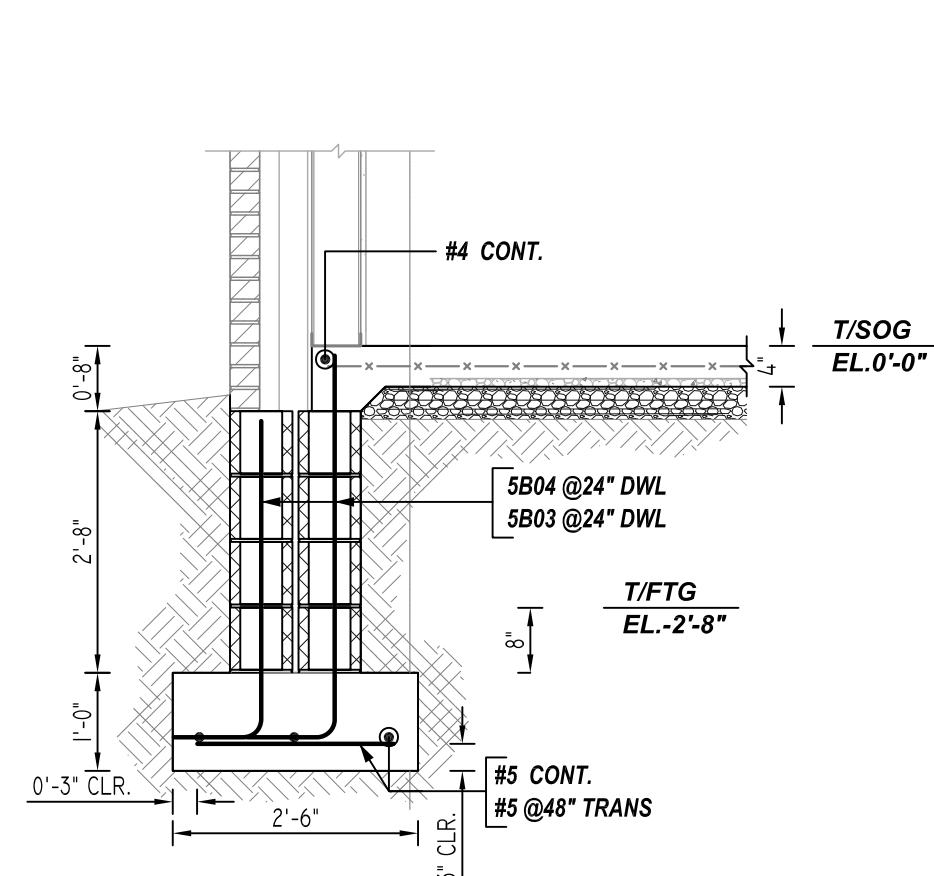
3 SECTION
REF: S0.2/4 (DT.04/18/22)
SCALE: 1/2" = 1'-0"



4 SECTION
REF: S3.3/3 (DT.04/18/22)
SCALE: 1/2" = 1'-0"



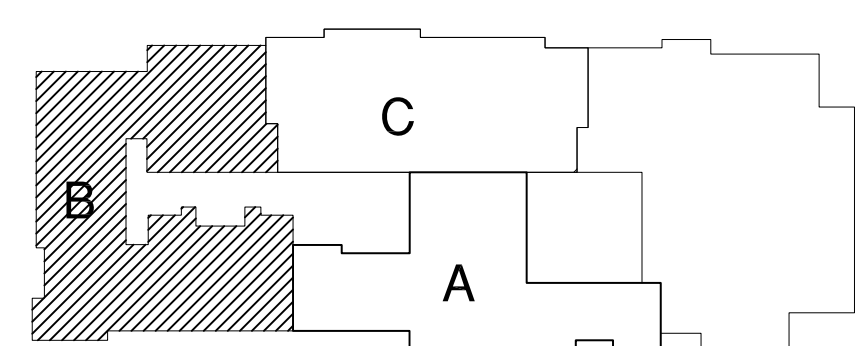
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REF: S3.4/2 (DT.04/18/22)
SCALE: 1/2" = 1'-0"



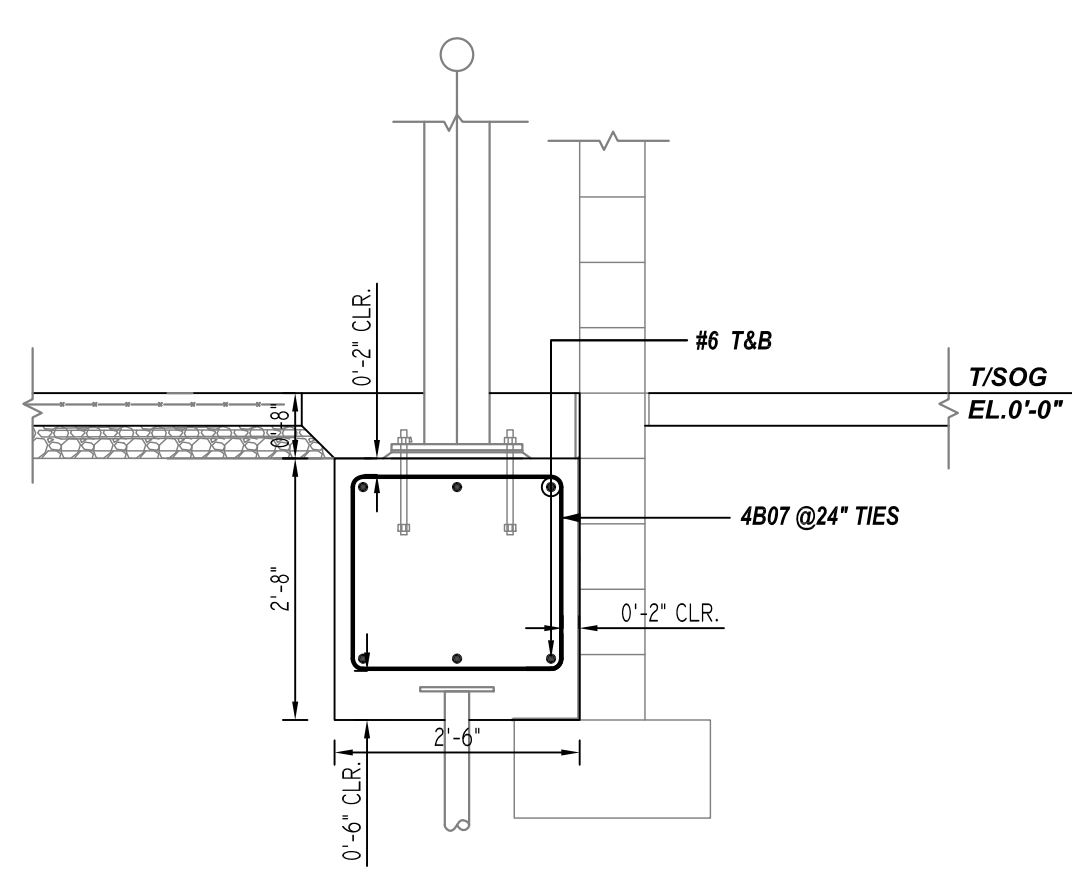
6 SECTION
REF: S3.3/2 (DT.04/18/22)
SCALE: 1/2" = 1'-0"

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
FOOTING	3" CLR
PIER	2" CLR

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



KEY PLAN
REF: S1.1 (DT.04/18/22)
SCALE: 1/12" = 1'-0"



7 SECTION
REF: S0.2/1 (DT.04/18/22)
SCALE: 1/2" = 1'-0"

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	Additional	#3	#10
#3 24"	#3 19"	B.O.W.	Bottom of wall	#4	#13
#4 32"	#4 25"	C.B.	Corner Bars	#5	#16
#5 40"	#5 31"	DIAG.	Diagonal	#6	#19
#6 48"	#6 37"	D.O.	Door Opening	#7	#22
#7 70"	#7 54"	DWLS.	Dowels	#8	#25
#8 80"	#8 62"	E.F.	Each Face	#9	#29
#9 91"	#9 70"	E.S.	Each Side	#10	#32
#10 102"	#10 79"	E.W.	Each Way	#11	#36
#11 113"	#11 87"	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		

MARDELA MIDDLE & HIGH SCHOOL
UNIT B-SECTION DETAILS
MARDELA SPRINGS, MD 21837

CUSTOMER: -
DESIGNER: -

0	06.08.22	APPROVAL				DRAWN BY	DATE	JOB NO	SHEET NO.
REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR	RS/MET	06.08.22	-	R08