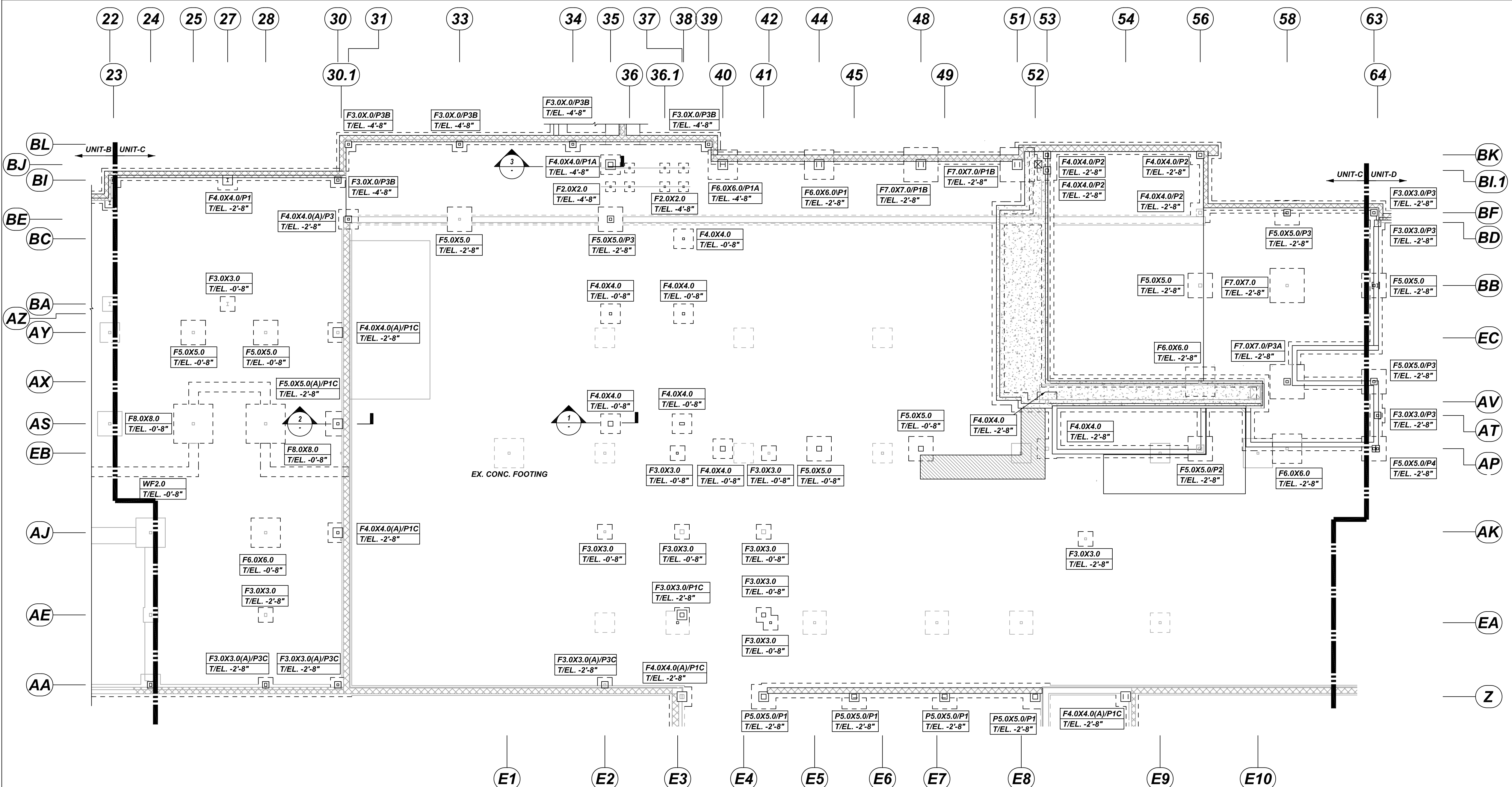


NOTICE
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REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER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



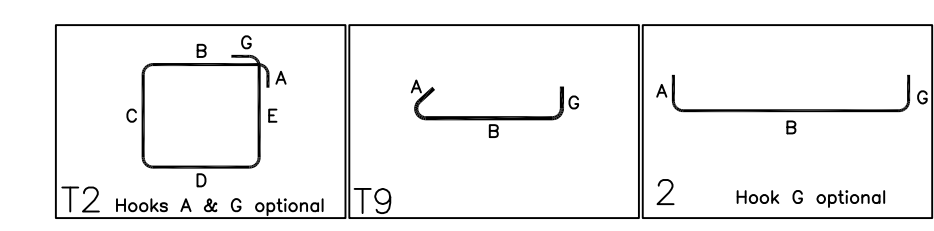
MARK	QTY	SIZE	GRID LOCATION	REINFORCING	REMARK
F2.0X2.0	7	2'-0" X 2'-0" X 1'-0"	BJ/35, BJ/36, BJ/36.1, BJ/38 BJ/36, BJ/36.1, BJ/38	7x2x3 #5 X 1'-6" B EW	SECTION 1
F3.0X3.0	19	3'-0" X 3'-0" X 1'-0"	BL/31, BJ/30, BA/27, AE/28, AJ/E2, AJ/38, AJ/42, AE/38, AE/42, EA/42, AK/E8-EP, BL/38, BL/34, BL/39, BF/63, BD/64, AT/64, EB/E3, EB/42	19x2x3 #5 X 2'-6" B EW	SECTION 1
F3.0X3.0(A)	3	3'-0" X 3'-0" X 1'-0"	AA/28, AA/30 & AA/E2	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
F4.0X4.0	14	4'-0" X 4'-0" X 1'-0"	B1/27, BJ/35, BC/38, AZ/35, AZ/38, AS/35, AS/37, AP/40, AV/53, BK/53, BI/53, BK/56, BF/56, AP/53	14x2x6 #5 X 3'-6" B EW	SECTION 1
F4.0X4.0(A)	5	4'-0" X 4'-0" X 1'-0"	BE/31, AY/30, AJ/30, Z/31 & Z/54	5x6 #5 X 3'-6" B LW 5x6 #5 X 2'-6" B SW 5x3 #5 X 2'-0" D&E DWLS HILTI HIT HY 200	SECTION 1
F5.0X5.0	16	5'-0" X 5'-0" X 1'-0"	AY/25, AY/28, BE/33, BE/35, AP/44, AP/48, Z/41, Z/45, Z/49, Z/52, AP/56, AP/64, AX/64, BB/64, BF/58 & BB/56	16x2x5 #6 X 4'-6" B EW	SECTION 1
F5.0X5.0(A)	1	5'-0" X 5'-0" X 1'-0"	AS/30	5 #6 X 4'-6" B LW 5 #6 X 3'-0" B SW 3 #5 X 2'-0" D&E DWLS HILTI HIT HY 200	SECTION 1
F6.0X6.0	5	6'-0" X 6'-0" X 1'-1"	BJ/40, BJ/44, AX/56 & AP/58 & AJ/28	5x2x7 #6 X 5'-6" B EW	SECTION 1
F7.0X7.0	4	7'-0" X 7'-0" X 1'-3"	BJ/84, BJ/51, BB/58 & AX/58	4x2x9 #7 X 6'-6" B EW	SECTION 1
F8.0X8.0	2	8'-0" X 8'-0" X 1'-6"	AS/25 & AS/28	2x2x9 #7 X 7'-6" B EW	SECTION 1

MARK	QTY	SIZE	GRID LOCATION	VERTS	TIES & ADD'L TIES	REMARK
P1	6	2'-0"x2'-0"	Z/52, Z/49, Z/45, Z/41, BI/27 & BJ/44	6x8 #8 8C02 VERT.	6x5 #3 3C05 TIES 6x2x5 #3 3C04 LINKS	SECTION 3
P1A	2	2'-0"x2'-0"	BJ/35 & BJ/40	2x8 #8 8C03 VERT.	2x5 #3 3C05 TIES 2x2x5 #3 3C04 LINKS	SECTION 3
P1B	2	2'-0"x2'-0"	BJ/48 & BJ/51	2x8 #8 8C01 VERT.	2x5 #3 3C05 TIES 2x2x5 #3 3C04 LINKS	SECTION 3
P1C	6	2'-0"x2'-0"	Z/54, Z/37, AE/37, AJ/30, AS/30 & AY/30	6x5 #8 8C02 VERT. 6x3 #8 X 1'-8" VERT.	6x5 #3 3C05 TIES 6x2x5 #3 3C04 LINKS	SECTION 2
P2	5	1'-6"x1'-6"	BK/53, BK/56, BI/53 BF/56 & AP/56	5x4 #8 8C02 VERT.	5x5 #3 3C03 TIES	SECTION 3
P3	7	1'-4"x1'-4"	BE/31, BE/35, BF/58, BF/63, BD/64, AX/63 & AT/64	7x4 #8 8C02 VERT.	7x5 #3 3C02 TIES	SECTION 2
P3A	1	1'-4"x1'-4"	AX/58	4 #8 8C01 VERT.	5 #3 3C02 TIES	SECTION 3
P3B	5	1'-4"x1'-4"	BI/30, BL/31, BL/31 BL/34 & BL/39	5x4 #8 8C03 VERT.	5x5 #3 3C02 TIES	SECTION 3
P3C	3	1'-4"x1'-4"	AA/28, AA/30 & AA/E2	3x2 #8 8C02 VERT. 3x2 #8 X 1'-8" VERT.	3x5 #3 3C02 TIES	SECTION 2
P4	1	1'-4"x0'-9"	AP/64	4 #8 8C01 VERT.	5 #3 3C01 TIES	SECTION 3

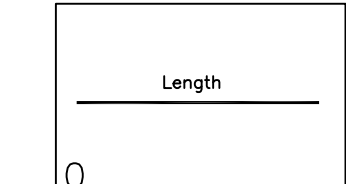
UNIT - C SPREAD FOOTING AND PIER LAYOUT

REF: S1.3 (DT.04/18/22)
 SCALE: 1/12" = 1'-0"

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	U	V	W	X	Y	Z	U	V	W	Y
3201	5	#3	3'-5"	T2	0'-4"	0'-5"	1'-0"	0'-5"	1'-0"	0'-4"							
3202	80	#3	4'-8"	T2	0'-4"	1'-0"	1'-0"	1'-0"	1'-0"	0'-4"							
3203	25	#3	5'-4"	T2	0'-4"	1'-2"	1'-2"	1'-2"	1'-2"	0'-4"							
3204	160	#3	2'-4"	T9	0'-4"	1'-8"				0'-4"							
3205	80	#3	7'-4"	T2	0'-4"	1'-8"	1'-8"	1'-8"	1'-8"	0'-4"							
8001	24	#6	4'-10"	2	1'-4"	3'-6"											
8002	132	#6	4'-7"	2	1'-4"	3'-3"											
8003	36	#6	6'-7"	2	1'-4"	5'-3"											



Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	U	V	W	X	Y	Z	U	V	W	Y
271	#5	#5	2'-0"	2	2'-0"												

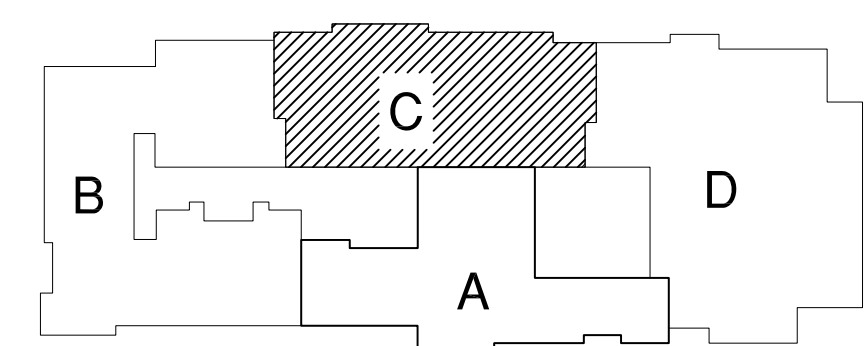


LAP SCHEDULE

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

BAR#	TOP	OTHERS
#3	2'-4"	1'-10"
#4	3'-1"	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"

ALL TOP BARS ARE DEFINED AS HORIZ BARS WITH MORE THAN 12" OF CONCRETE BELOW BARS.

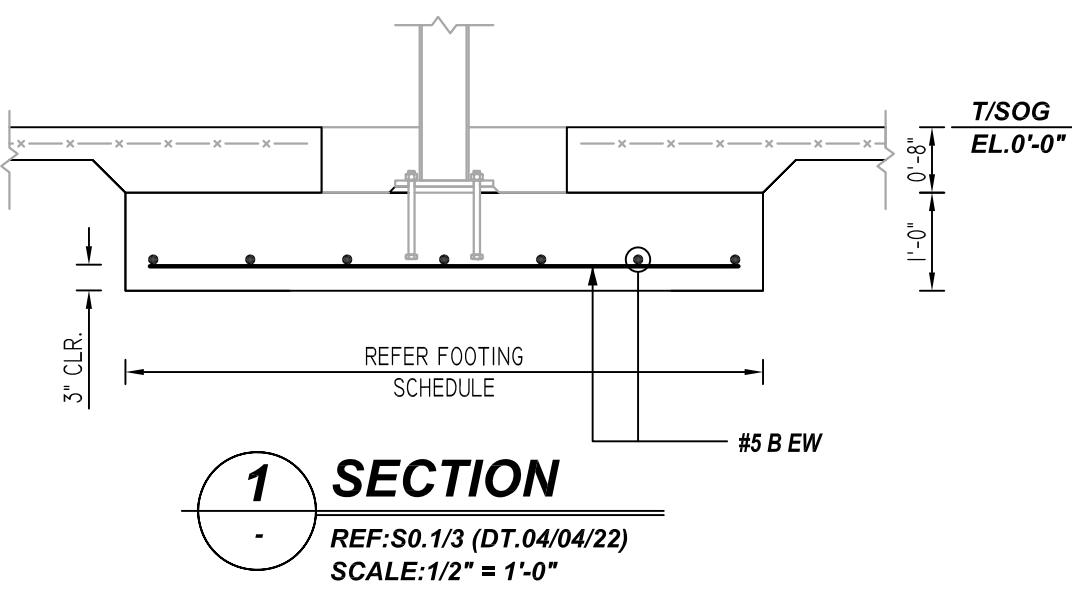


KEY PLAN

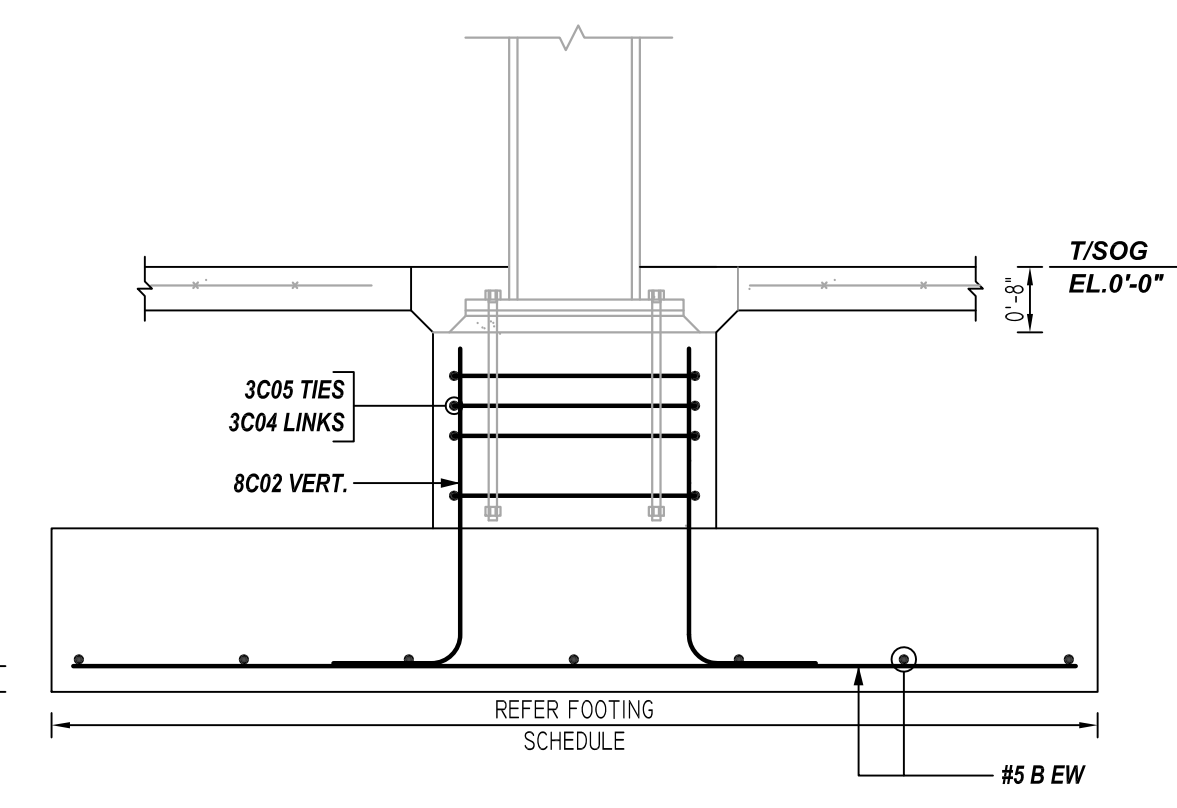
REF: S1.1 (DT.04/18/22)
 SCALE: 1/12" = 1'-0"

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

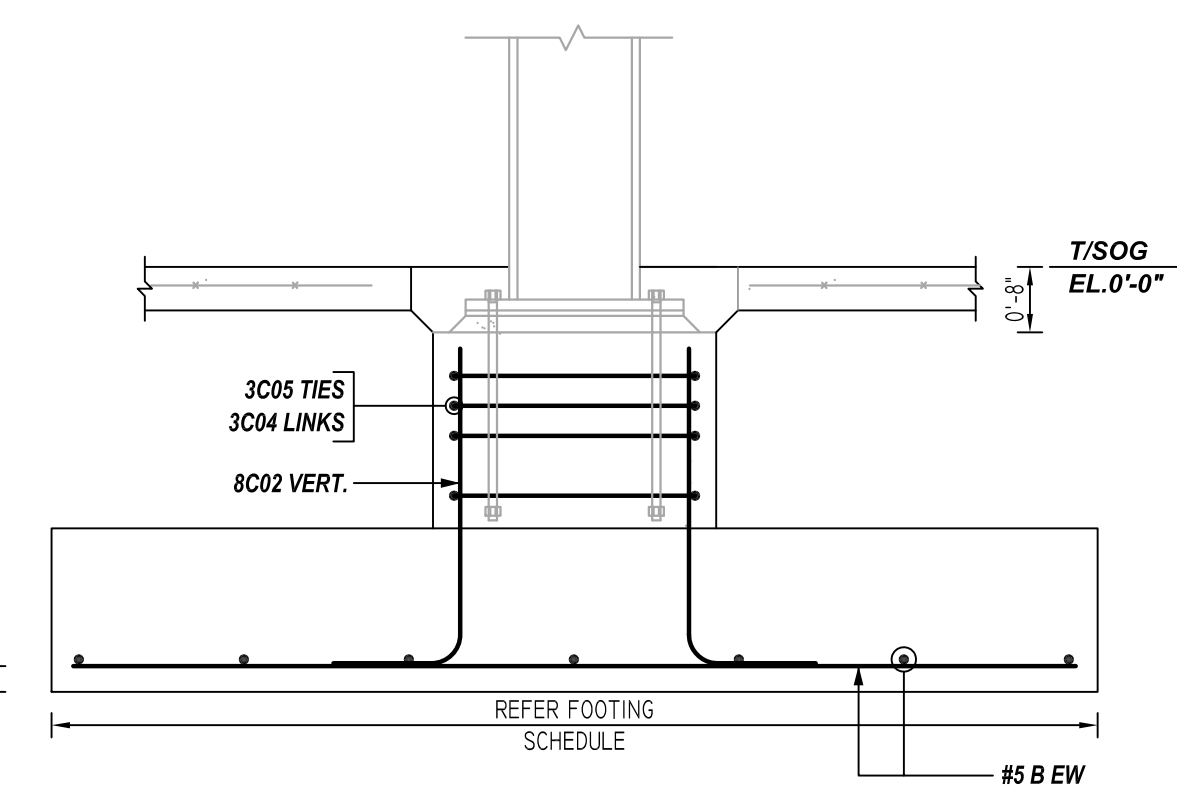
LOCATION	MIN. COVER
FOOTING	3" CLR
PIER	2" CLR



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



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



SECTION 3
 REF: S0.2/4 (DT.04/04/22)
 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"	D.W.L.S.	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-C SPREAD FOOTING AND PIER REINFORCEMENT DETAILS
 MARDELA SPRINGS, MD 21837

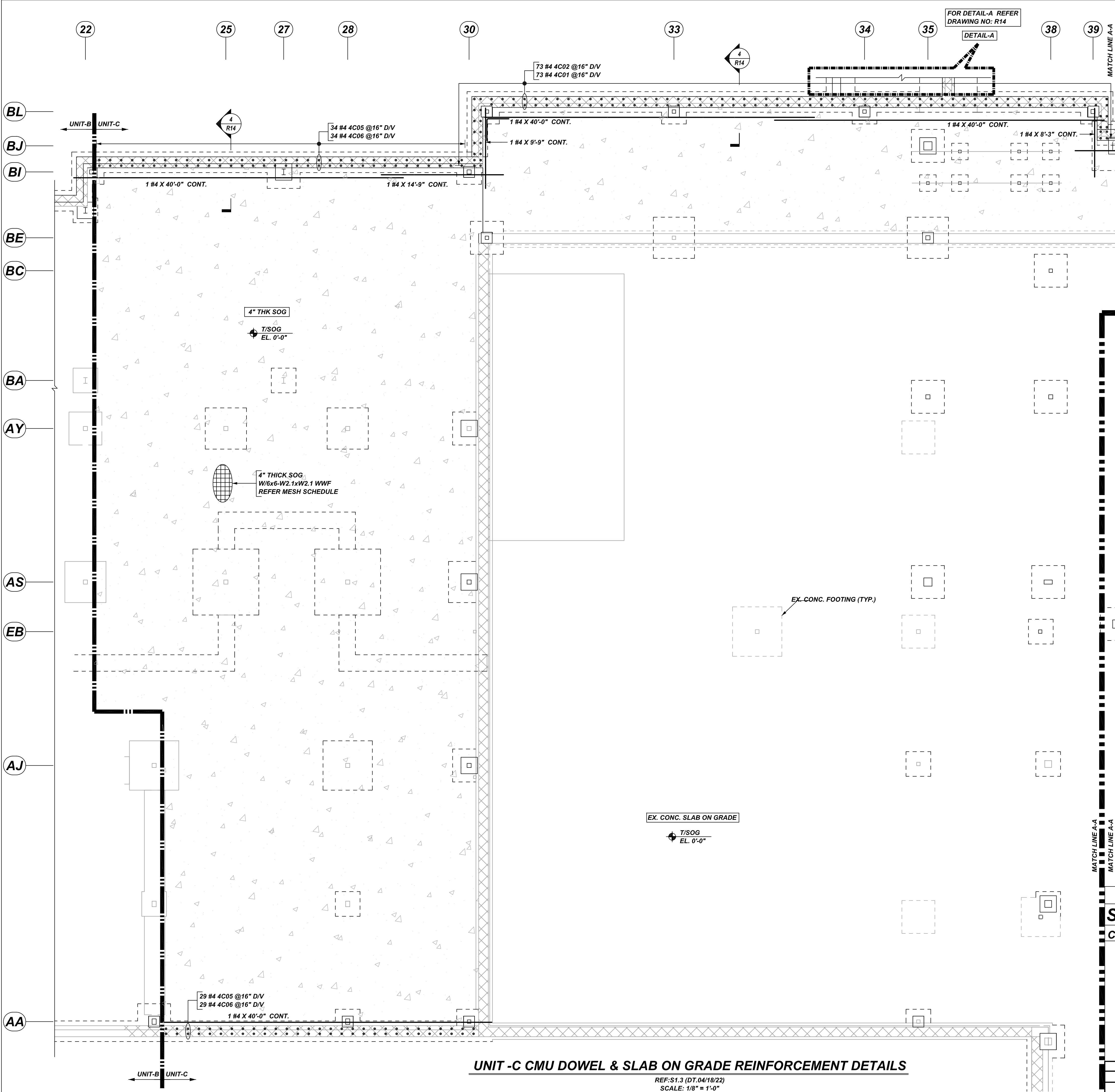
CUSTOMER: -
 DESIGNER: -

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

DRAWN BY	DATE	JOB NO	SHEET NO.
RS/MET	06.08.22	-	R09

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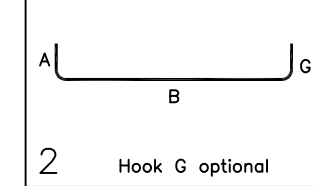
MESH DETAILS

S. NO	ELEMENT	MESH SIZE	SHEETS	AREA	REMARK
1	4" THK SLAB ON GRADE	6x6 - W2.1XW2.1 WWF	57	6121 SQ.FT	8'-0" X 15'-0" SHEET SIZE (15% LAP ADDED)

Release Number: R12

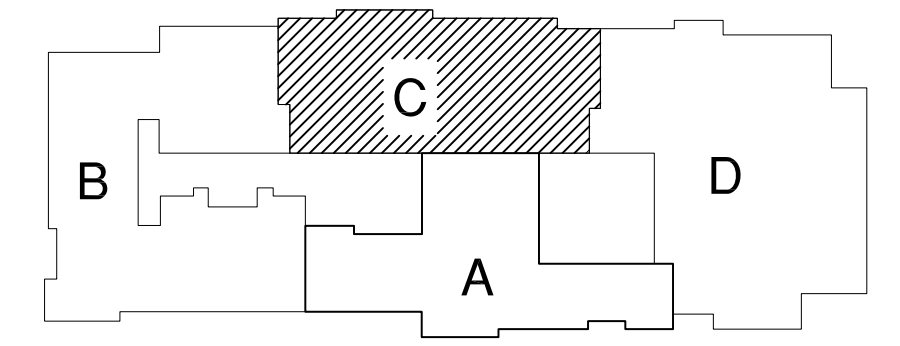
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
4001	73	#4	5'-2"	2	0'-8"	4'-6"																								
4002	73	#4	8'-2"	2	0'-8"	7'-6"																								
4005	63	#4	6'-2"	2	0'-8"	5'-6"																								
4006	63	#4	3'-2"	2	0'-8"	2'-6"																								

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



TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
FOOTING	3" CLR
SLAB ON GRADE	2" CLR



KEY PLAN
 REF: S1.1 (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
- 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

UNIT -C CMU DOWEL & SLAB ON GRADE REINFORCEMENT DETAILS

REF: S1.3 (DT.04/18/22)
 SCALE: 1/8" = 1'-0"

MARDELA MIDDLE & HIGH SCHOOL
 UNIT -C CMU DOWEL & SLAB ON GRADE 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	-	R12

