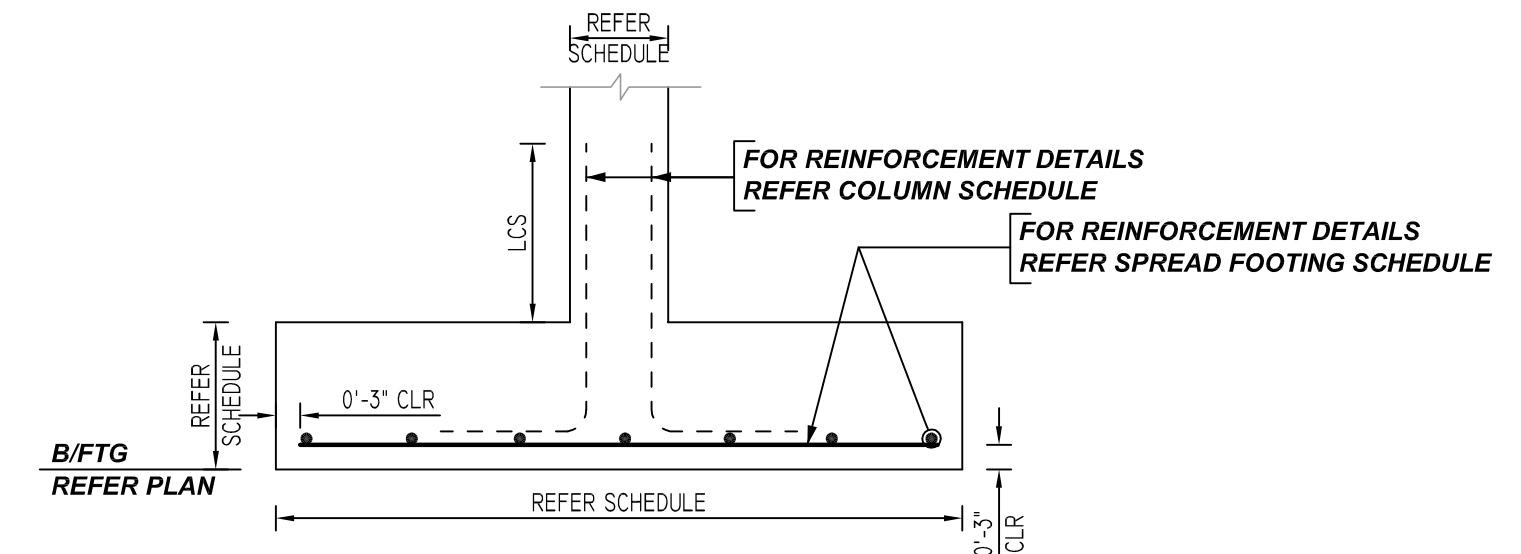


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SPREAD FOOTING SCHEDULE					
MARK	QTY	SIZE	GRID LOCATION	REINFORCING	REMARK
SF1	2	7'-0"x7'-0"x1'-6"	A/5 & D/12	2x2x7 #6 X 6'-6" BOT.EW	SECTION-1
SF2	5	8'-0"x8'-0"x1'-6"	A/13, D/13, E/12, K/4 & M/4	5x2x8 #6 X 7'-6" BOT.EW	SECTION-1
SF3	6	9'-0"x9'-0"x1'-6"	A/11, A/12, B/5, E/13, H/10 & K/7	6x2x8 #6 X 8'-6" BOT.EW	SECTION-1
SF4	4	10'-0"x10'-0"x1'-6"	D/11, J/5, K/9 & N/5	4x2x10 #6 X 9'-6" BOT.EW	SECTION-1
SF5	5	11'-0"x11'-0"x1'-6"	H/12, K/5, K/6, L/4 & N/3	5x2x11 #6 X 10'-6" BOT.EW	SECTION-1
SF6	10	12'-0"x12'-0"x1'-6"	A/1, E/10, F/13, G/9, H/11, J/6, J/9, L/5, M/5 & N/1	10x2x12 #6 X 11'-6" BOT.EW	SECTION-1
SF7	5	13'-0"x13'-0"x1'-9"	E/6, E/9, G/1, G/6 & L/1	5x2x13 #6 X 12'-6" BOT.EW	SECTION-1
SF8	4	14'-0"x14'-0"x1'-9"	E/5, G/5, K/1 & M/3	4x2x14 #6 X 13'-6" BOT.EW	SECTION-1
SF9	3	15'-0"x15'-0"x2'-0"	E/2, K/3 & M/2	3x2x15 #6 X 14'-6" BOT.EW	SECTION-1
SF10	3	16'-0"x16'-0"x2'-0"	E/3, J/2 & J/3	3x2x16 #6 X 15'-6" BOT.EW	SECTION-1
SF11	1	17'-0"x17'-0"x2'-3"	L/3	2x2x17 #6 X 16'-6" BOT.EW	SECTION-1
SF12	1	18'-0"x18'-0"x2'-3"	G/3	2x3x18 #6 X 17'-6" BOT.EW	SECTION-1



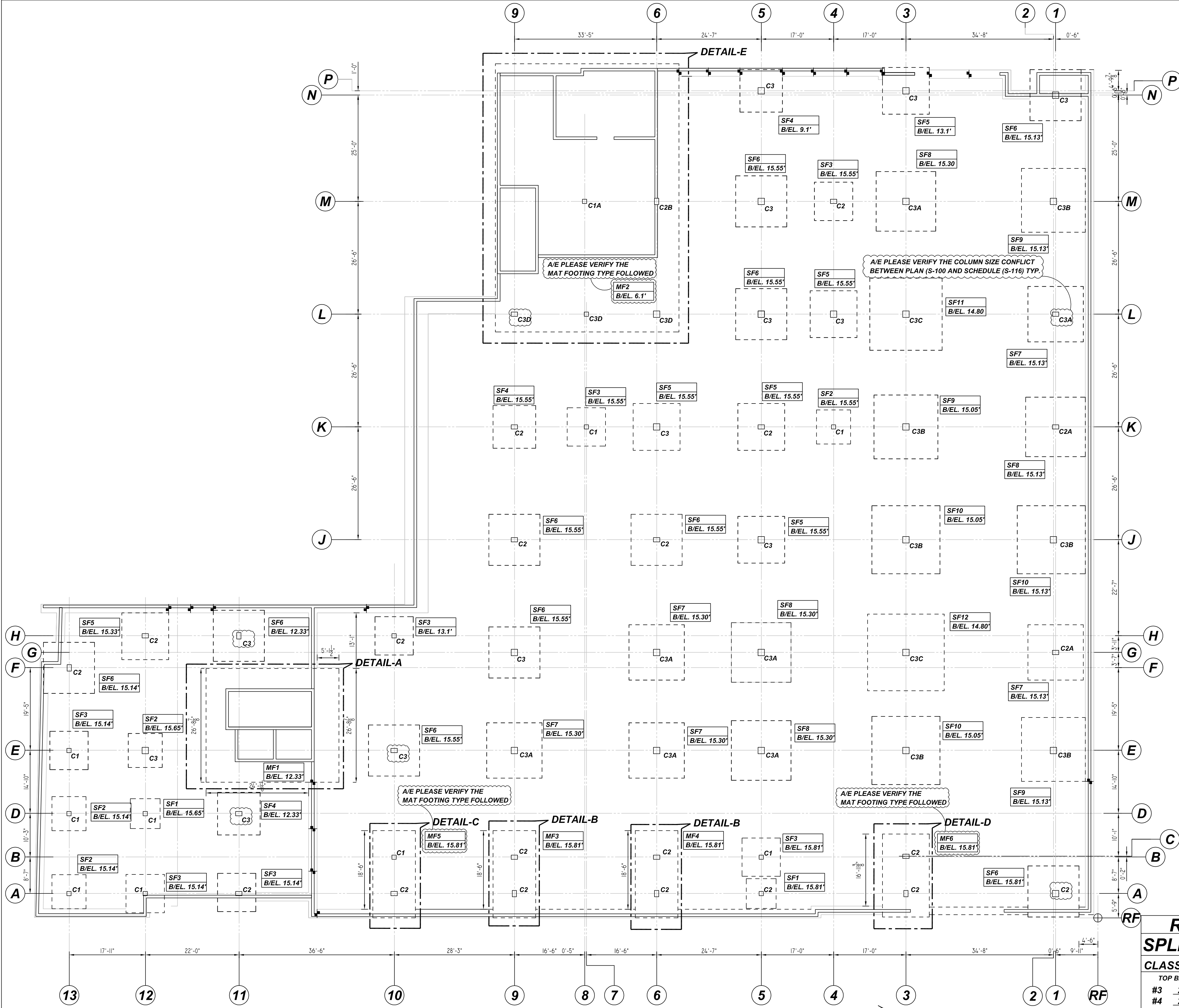
SECTION 1
 REF: S-100, 101, 200 (DT.09/15/22)
 SCALE: 1/2" = 1'-0"

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
FOOTING TOP & BOTTOM	3" CLR
FOOTING SIDES	3" CLR
COLUMN ALL SIDES	2" CLR
WALL ALL SIDES	1" CLR

LAP SCHEDULE
 5000 PSI (CLASS-B) CASE - 1
 Per ACI :318 (12.2.2)

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

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



SPREAD FOOTING, MAT FOOTING AND COLUMN DOWELS REINFORCEMENT DETAILS
 REF: S-100, 101, 116 (DT.09/15/22)
 SCALE: 1/12" = 1'-0"

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 5,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	Additional	#3	#10
#3 22"	#3 17"	B.O.W.	Bottom of wall	#4	#13
#4 29"	#4 22"	C.B.	Corner Bars	#5	#16
#5 36"	#5 28"	DIAG.	Diagonal	#6	#19
#6 43"	#6 35"	D.O.	Door Opening	#7	#22
#7 63"	#7 49"	DWLS.	Dowels	#8	#25
#8 72"	#8 55"	E.F.	Each Face	#9	#29
#9 81"	#9 63"	E.S.	Each Side	#10	#32
#10 91"	#10 70"	E.W.	Each Way	#11	#36
#11 99"	#11 76"	FTG.	Footing		
#14	#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		

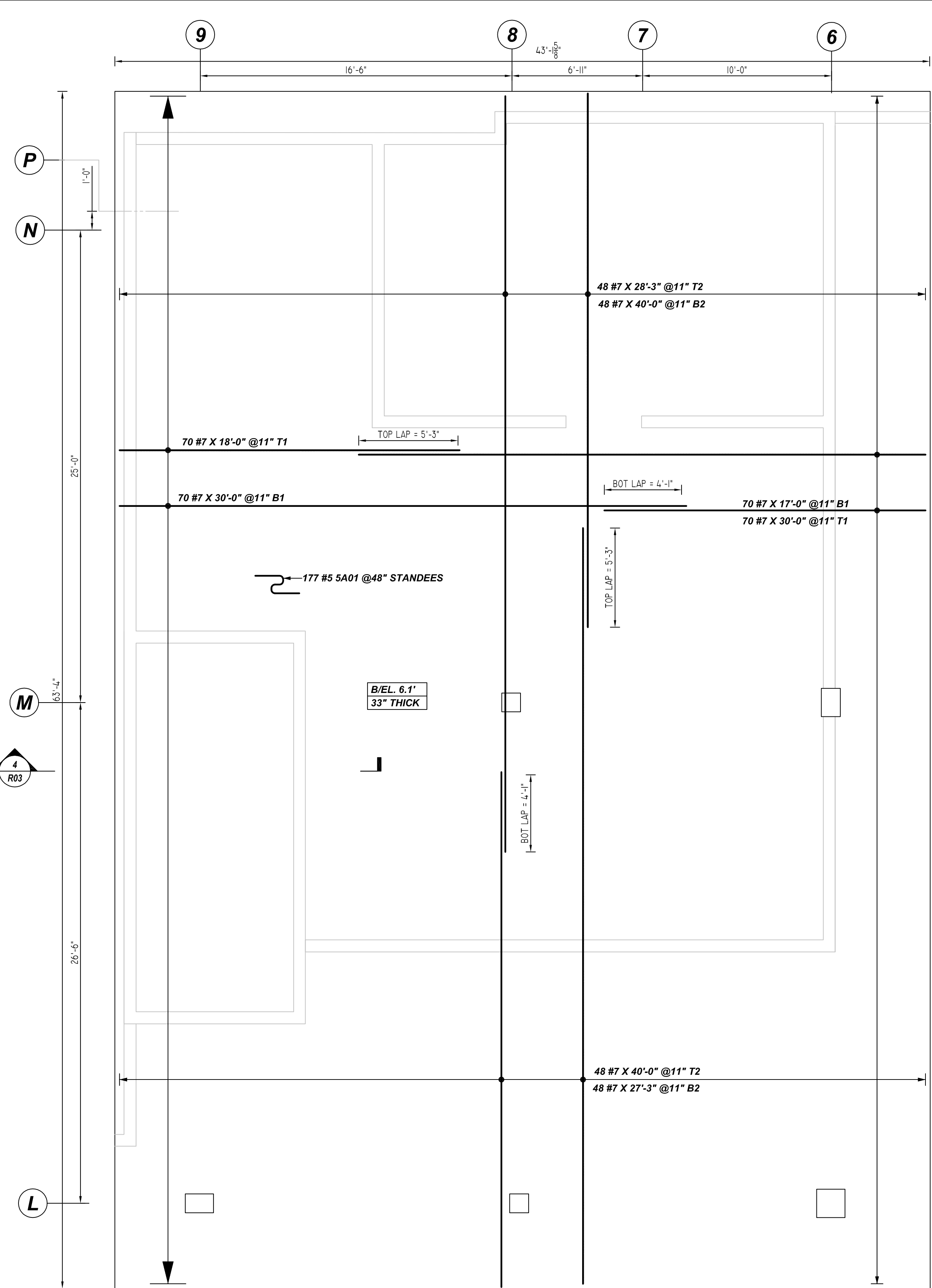
RAYMOND + MOTT
 SPREAD, MAT FOOTING AND COLUMN DOWELS REINFORCEMENT DETAILS
NEWARK, ESSEX COUNTY, NJ
 CUSTOMER: MEISTER CONCRETE
 DESIGNER: -

DRAWN BY	DATE	JOB NO	SHEET NO.
JSN/SS	11.28.22	M922701046P	R01

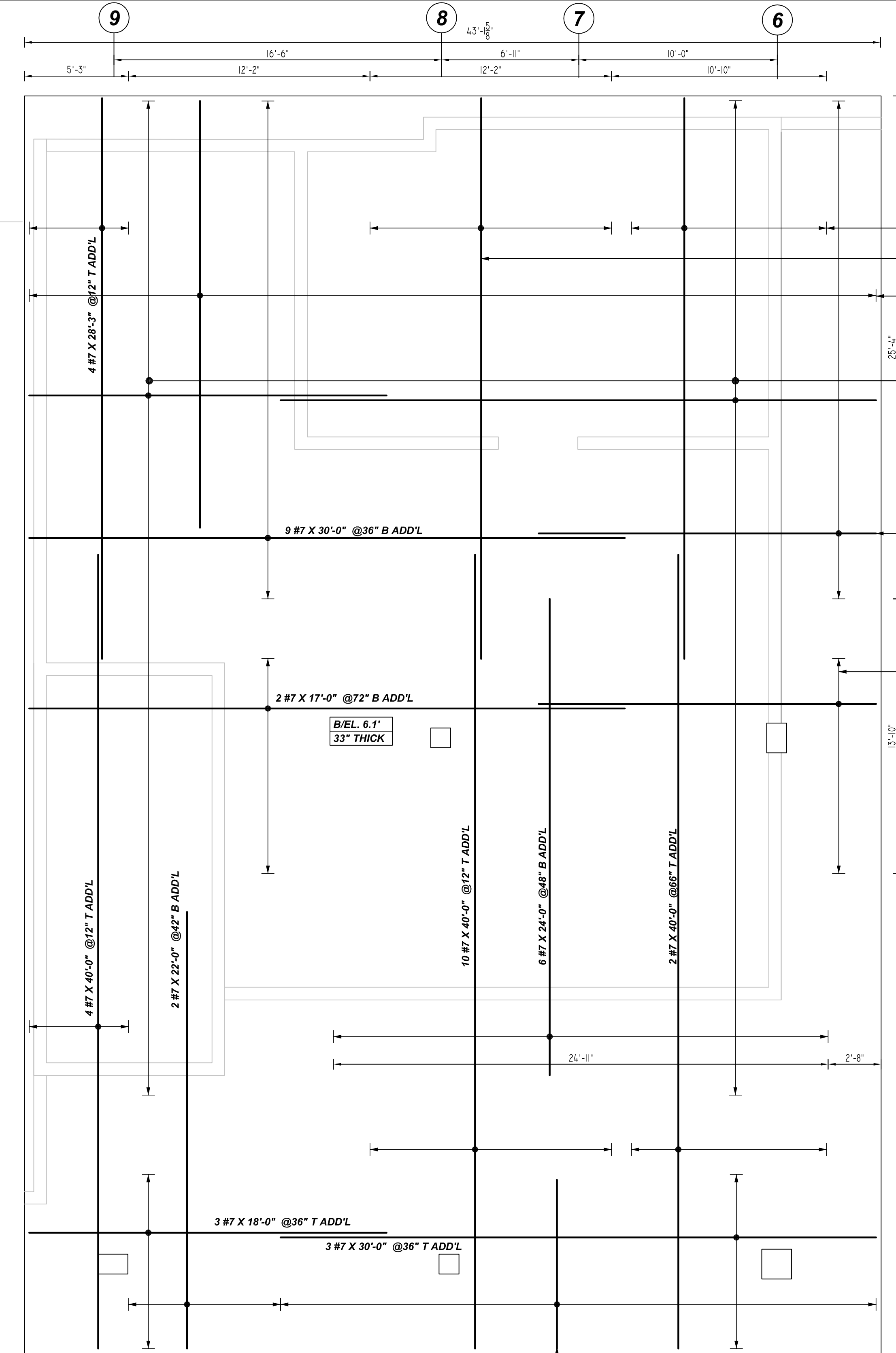
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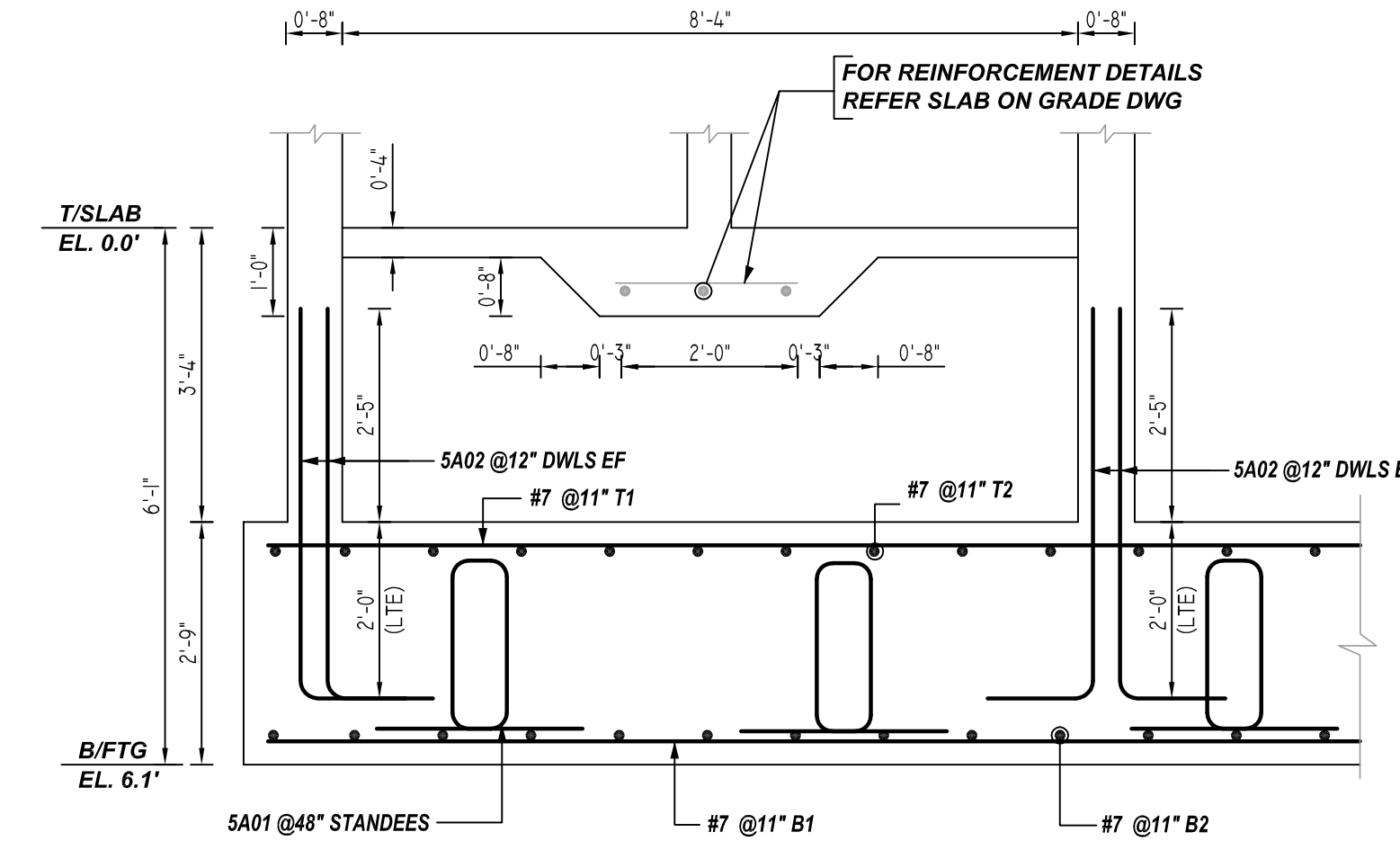


E DETAIL-E (MF-2)
 REF: S-100, S-101 (DT.09/15/22)
 SCALE: 1/4" = 1'-0"



E1 MF-2 (ADD'L REINF. DETAILS)
 REF: S-100, S-101 (DT.09/15/22)
 SCALE: 1/4" = 1'-0"

- 2 #7 X 28'-3" @66" T ADD'L
- 10 #7 X 28'-3" @12" T ADD'L
- 11 #7 X 21'-6" @48" B ADD'L
- 14 #7 X 30'-0" @48" T ADD'L
- 14 #7 X 18'-0" @48" T ADD'L
- 9 #7 X 17'-0" @36" B ADD'L
- 9 #7 X 17'-0" @36" B ADD'L
- 2 #7 X 30'-0" @72" B ADD'L
- 2 #7 X 17'-0" @72" B ADD'L
- 2 #7 X 30'-0" @72" B ADD'L
- 2 #7 X 17'-0" @72" B ADD'L
- 3 #7 X 18'-0" @36" T ADD'L
- 3 #7 X 30'-0" @36" T ADD'L
- 2 #7 X 8'-6" @72" B ADD'L



4 SECTION
 REF: S-100, 101, 210, A/401 (DT.09/15/22)
 SCALE: 1/2" = 1'-0"

LAP SCHEDULE
 5000 PSI (CLASS-B) CASE - 1
 Per ACI:318 (12.2.2)

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

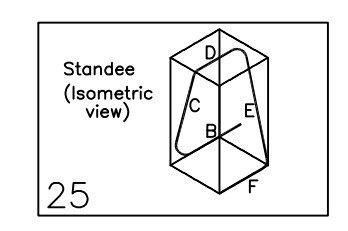
TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
FOOTING TOP & BOTTOM	3" CLR
FOOTING SIDES	3" CLR
COLUMN ALL SIDES	2" CLR
WALL ALL SIDES	1" CLR

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

Release Number: R03

Bar Mark	Qty	Size	Splice Length	Type	X	Y	Z	X	Y	Z	X	Y	Z
5A01	177	#5	1357'-0"	25				1'-6"	2'-0"	0'-5"	2'-0"	1'-6"	1'-11 1/2"



REBAR GRADE 60 ASTM A-615

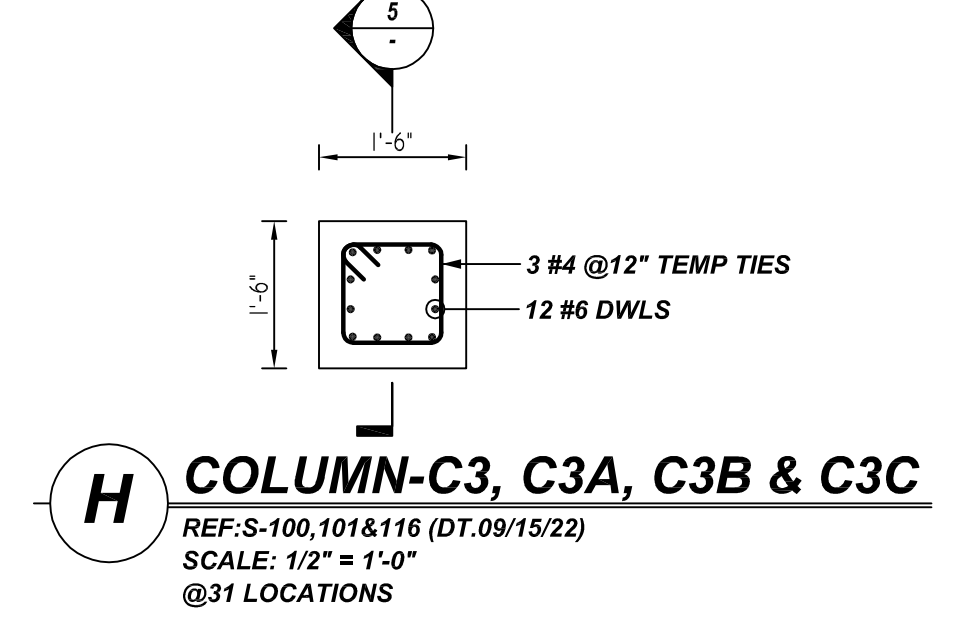
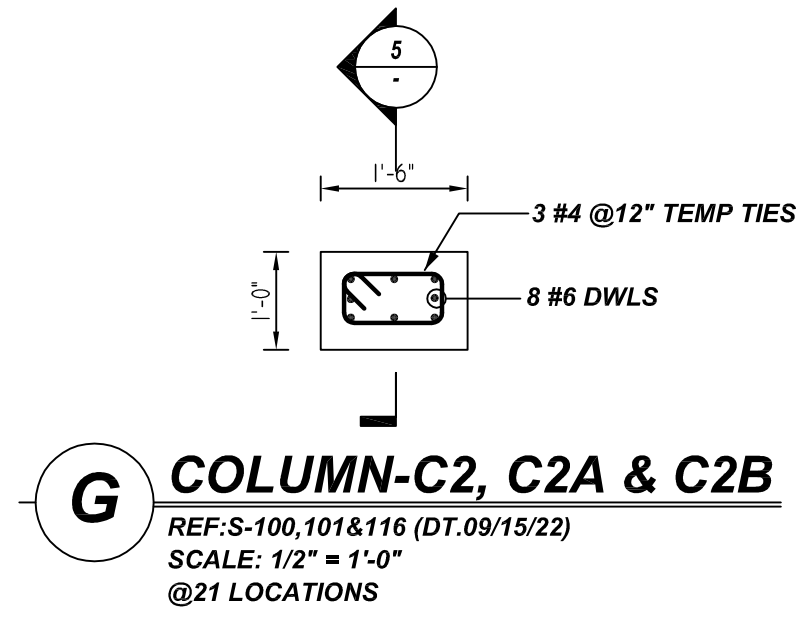
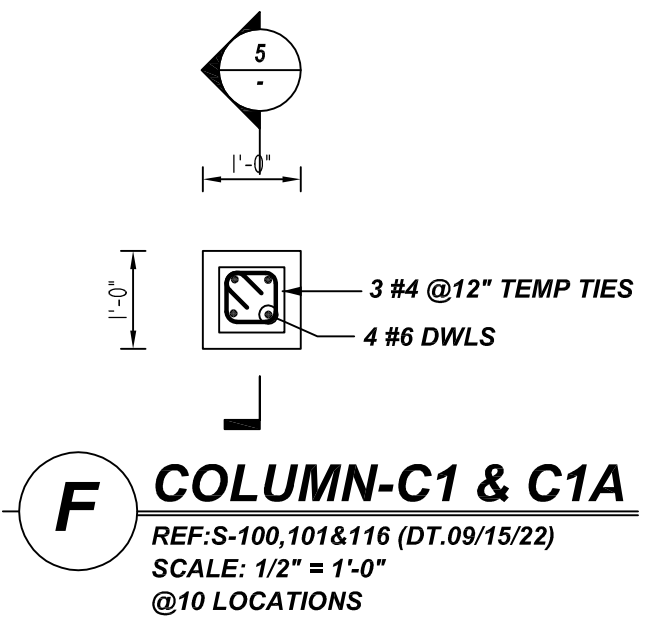
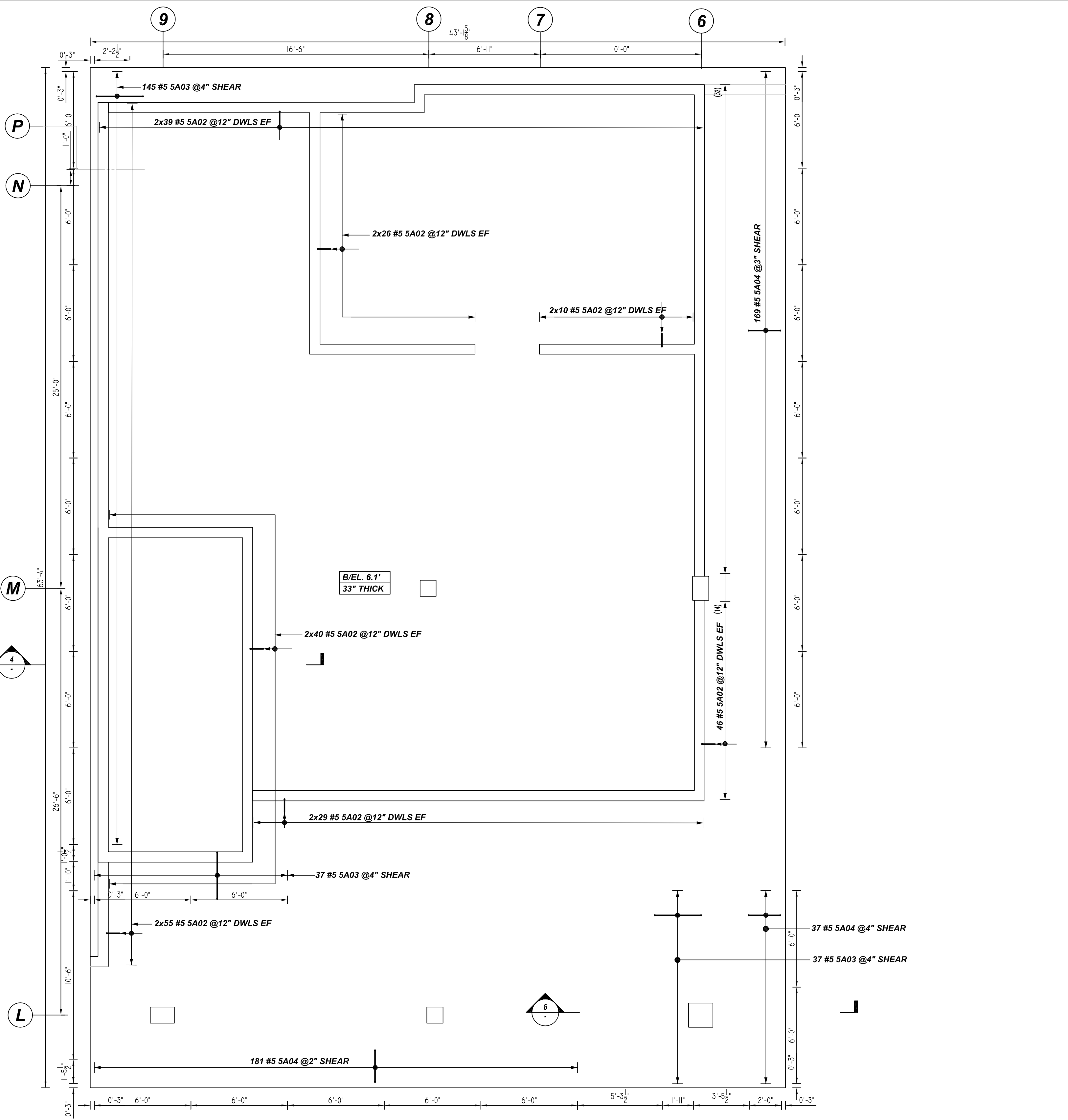
SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 5,000 psi UNO		ADD.	= Additional	Imperial	Soft Metric
TOP BARS	OTHER BARS	B.O.W.	= Bottom of wall	#3	#10
#3 22"	#3 17"	C.B.	= Corner Bars	#4	#13
#4 29"	#4 22"	DIAG.	= Diagonal	#5	#16
#5 36"	#5 28"	D.O.	= Door Opening	#6	#19
#6 43"	#6 35"	DWLS.	= Dowels	#7	#22
#7 63"	#7 49"	E.F.	= Each Face	#8	#25
#8 72"	#8 55"	E.S.	= Each Side	#9	#29
#9 81"	#9 63"	E.W.	= Each Way	#10	#32
#10 91"	#10 70"	FTG.	= Footing	#11	#36
#11 99"	#11 76"	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		

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	11.28.22	APPROVAL			

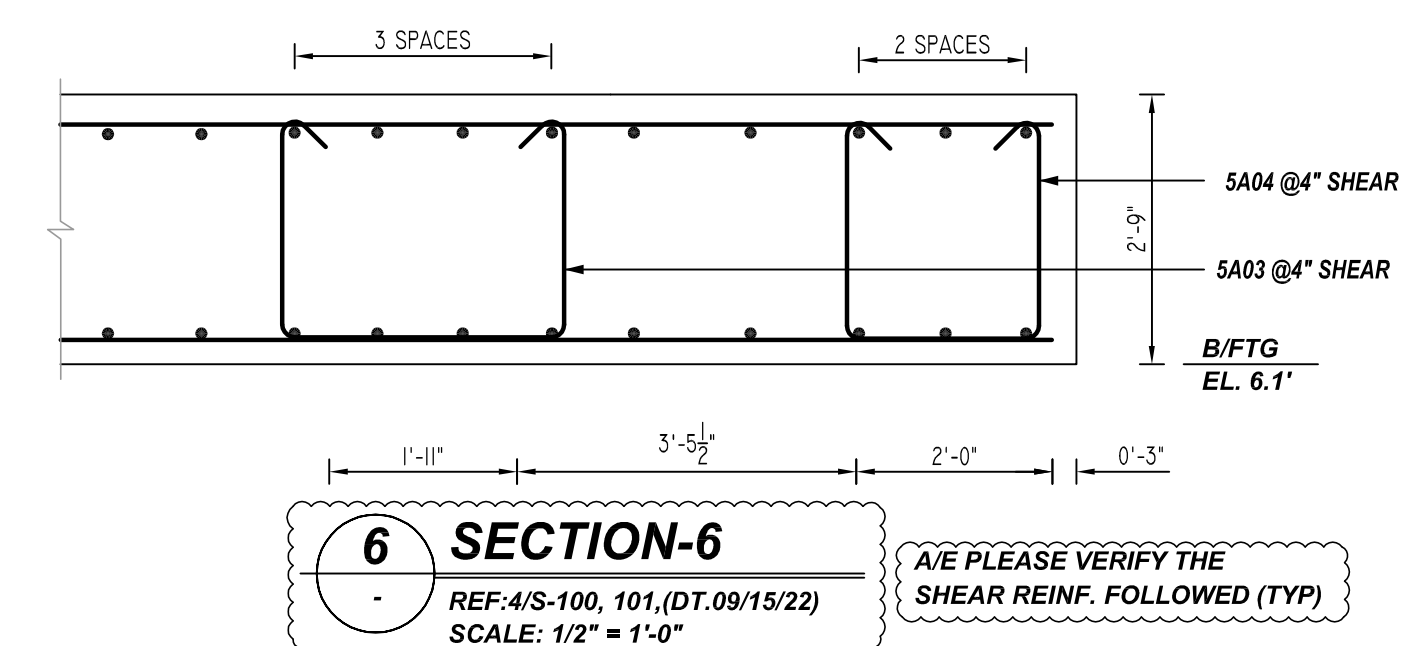
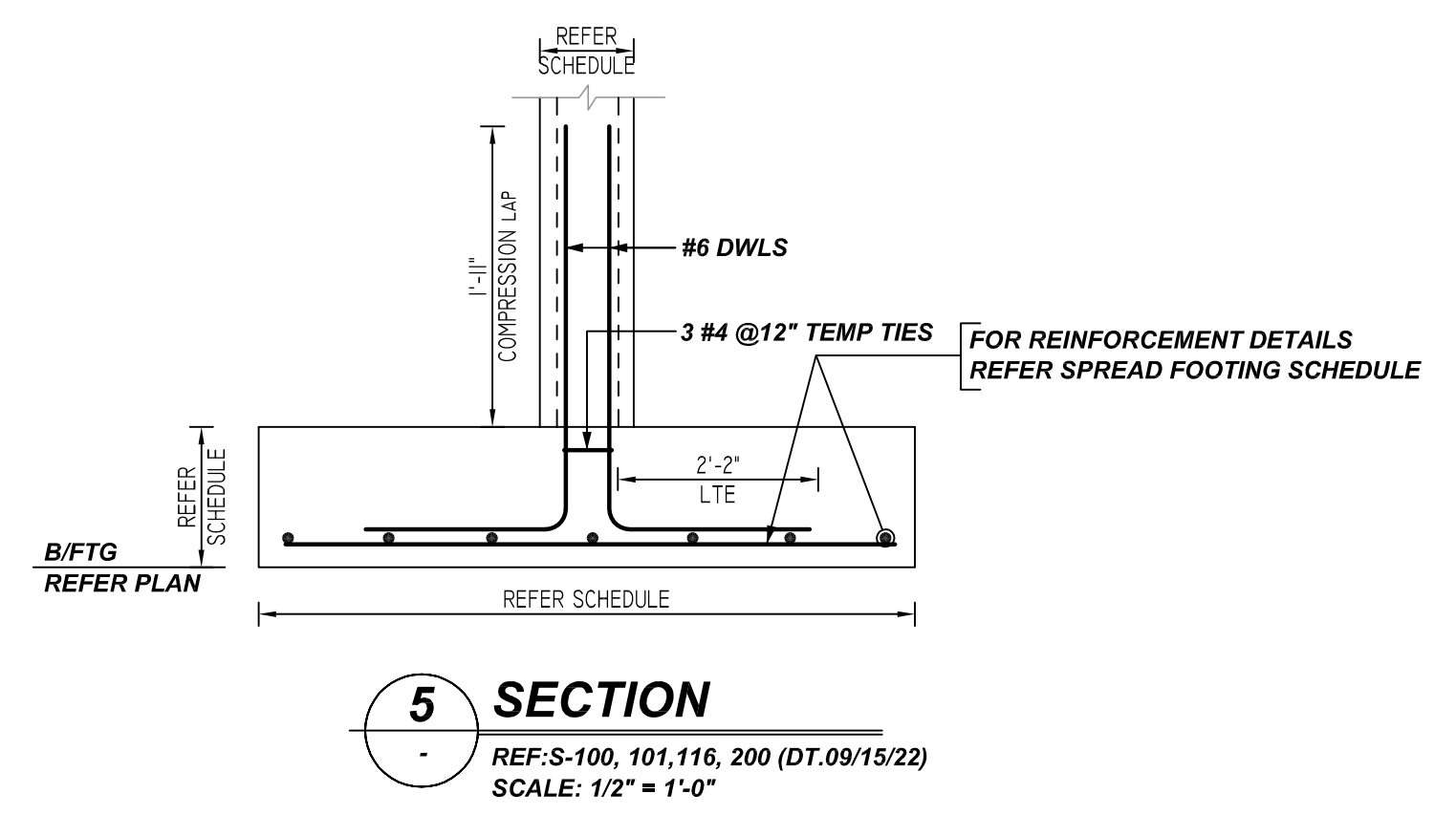
RAYMOND + MOTT
 SPREAD, MAT FOOTING AND COLUMN DOWELS REINFORCEMENT DETAILS
NEWARK, ESSEX COUNTY, NJ
 CUSTOMER: MEISTER CONCRETE
 DESIGNER: -
 DRAWN BY: JSN/SS DATE: 11.28.22 JOB NO: M922701046P SHEET NO: R03

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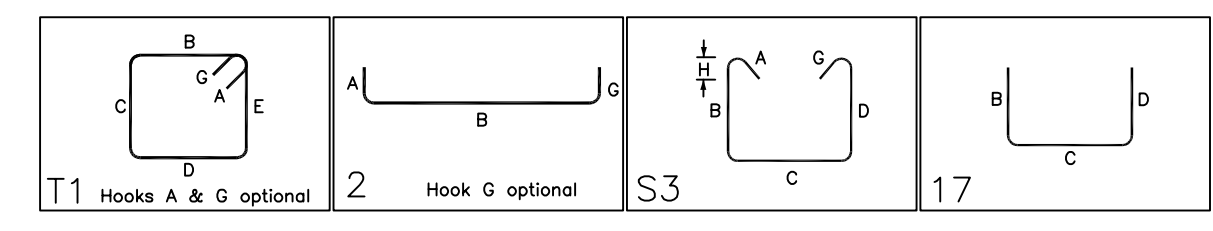


COLUMN SCHEDULE					
MARK	QTY	SIZE	GRID LOCATION	REINFORCING	REMARK
C1	9	12" X 12"	A,D,E/13, B/5,10, A,D/12 & K/4,7	9x4 #4 4A01 TEMP TIES 9x4 #6 6A05 DWLS.	DET-F & SEC-5
C1A	1	12" X 12"	M/8	4 #4 4A01 TEMP TIES 4 #6 6A01 DWLS.	DET-F & SEC-5
C2	18	12" X 18"	A/1,3,5,6,9,10,11, B/6,9, C/3, F/13, H/10,12, J/6,9, K/5,9 & M/4	18x4 #4 4A03 TEMP TIES 18x8 #6 6A05 DWLS.	DET-G & SEC-5
C2A	2	12" X 18"	G/1 & K/1	2x4 #4 4A03 TEMP TIES 2x8 #6 6A04 DWLS.	DET-G & SEC-5
C2B	1	12" X 18"	M/6	4 #4 4A03 TEMP TIES 8 #6 6A01 DWLS.	DET-G & SEC-5
C3	13	18" X 18"	D/11, E/10,12, G/9, H/11, J/5, K/6, L/4,5, M/5, N/1 & P/3,5	13x4 #4 4A02 TEMP TIES 13x12 #6 6A05 DWLS.	DET-H & SEC-5
C3A	7	18" X 18"	E/5,6,9, G/5,6, L/1 & M/3	7x4 #4 4A02 TEMP TIES 7x12 #6 6A04 DWLS.	DET-H & SEC-5
C3B	6	18" X 18"	E/2,3, J/2,3, K/3 & M/2	6x4 #4 4A02 TEMP TIES 6x12 #6 6A03 DWLS.	DET-H & SEC-5
C3C	2	18" X 18"	G/3 & L/3	2x4 #4 4A02 TEMP TIES 2x12 #6 6A02 DWLS.	DET-H & SEC-5
C3D	3	18" X 18"	L/6,7 & 9	3x4 #4 4A02 TEMP TIES 3x12 #6 6A01 DWLS.	DET-H & SEC-5



E2 MF-2 (SHEAR REINF. & WALL DWLS)
 REF: S-100, S-101 (DT.09/15/22)
 SCALE: 1/4" = 1'-0"

Release Number: R04		BENDING DETAILS												
Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q
4A01	40	#4	116'-8"	11	0'-4 1/2"	0'-6 1/2"	0'-6 1/2"	0'-6 1/2"	0'-6 1/2"	0'-6 1/2"	0'-4 1/2"			
4A02	124	#4	669'-8"	11	0'-4 1/2"	1'-0 1/2"	1'-0 1/2"	1'-0 1/2"	1'-0 1/2"	1'-0 1/2"	0'-4 1/2"			
4A03	34	#4	329'-0"	11	0'-4 1/2"	1'-0 1/2"	0'-6 1/2"	1'-0 1/2"	0'-6 1/2"	0'-4 1/2"				
5A02	444	#5	2388'-0"	2	0'-10"	4'-5"								
5A03	218	#5	1825'-0"	S3	0'-5 1/2"	2'-3"	2'-11"	2'-3"		0'-5 1/2"	0'-3 1/2"			
5A04	387	#5	2870'-3"	S3	0'-5 1/2"	2'-3"	2'-0"	2'-3"		0'-5 1/2"	0'-3 1/2"			
6A01	48	#6	312'-0"	17		4'-4"	2'-2"							
6A02	24	#6	144'-0"	17		3'-10"	2'-2"							
6A03	72	#6	414'-0"	17		3'-7"	2'-2"							
6A04	100	#6	550'-0"	17		3'-4"	2'-2"							
6A05	336	#6	1764'-0"	17		3'-1"	2'-2"							



REBAR GRADE 60 ASTM A-615		
SPLICES USED		
CLASS B 5,000 psi UNO		
TOP BARS	OTHER BARS	
#3 22"	#3 17"	
#4 29"	#4 22"	
#5 36"	#5 28"	
#6 43"	#6 35"	
#7 63"	#7 49"	
#8 72"	#8 55"	
#9 81"	#9 63"	
#10 91"	#10 70"	
#11 99"	#11 76"	
#14	#14	

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
FOOTING TOP & BOTTOM	3" CLR
FOOTING SIDES	3" CLR
COLUMN ALL SIDES	2" CLR
WALL ALL SIDES	1" CLR

LAP SCHEDULE		
5000 PSI (CLASS-B) CASE - 1		
Per ACI :318 (12.2.2)		
BAR#	LENGTHS	
	TOP	OTHERS
#3	1'-10"	1'-5"
#4	2'-5"	1'-10"
#5	3'-0"	2'-4"
#6	3'-7"	2'-9"
#7	5'-3"	4'-1"
#8	6'-0"	4'-7"
#9	6'-9"	5'-3"
#10	7'-7"	5'-10"
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ALL TOP BARS ARE DEFINED AS HORIZ BARS WITH MORE THAN 12" OF CONCRETE BELOW BARS.

RAYMOND + MOTT
 SPREAD, MAT FOOTING AND COLUMN DOWELS REINFORCEMENT DETAILS
NEWARK, ESSEX COUNTY, NJ
 CUSTOMER: MEISTER CONCRETE
 DESIGNER: -

DRAWN BY	DATE	JOB NO	SHEET NO.
JSN/SS	11.28.22	M922701046P	R04

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	11.28.22				