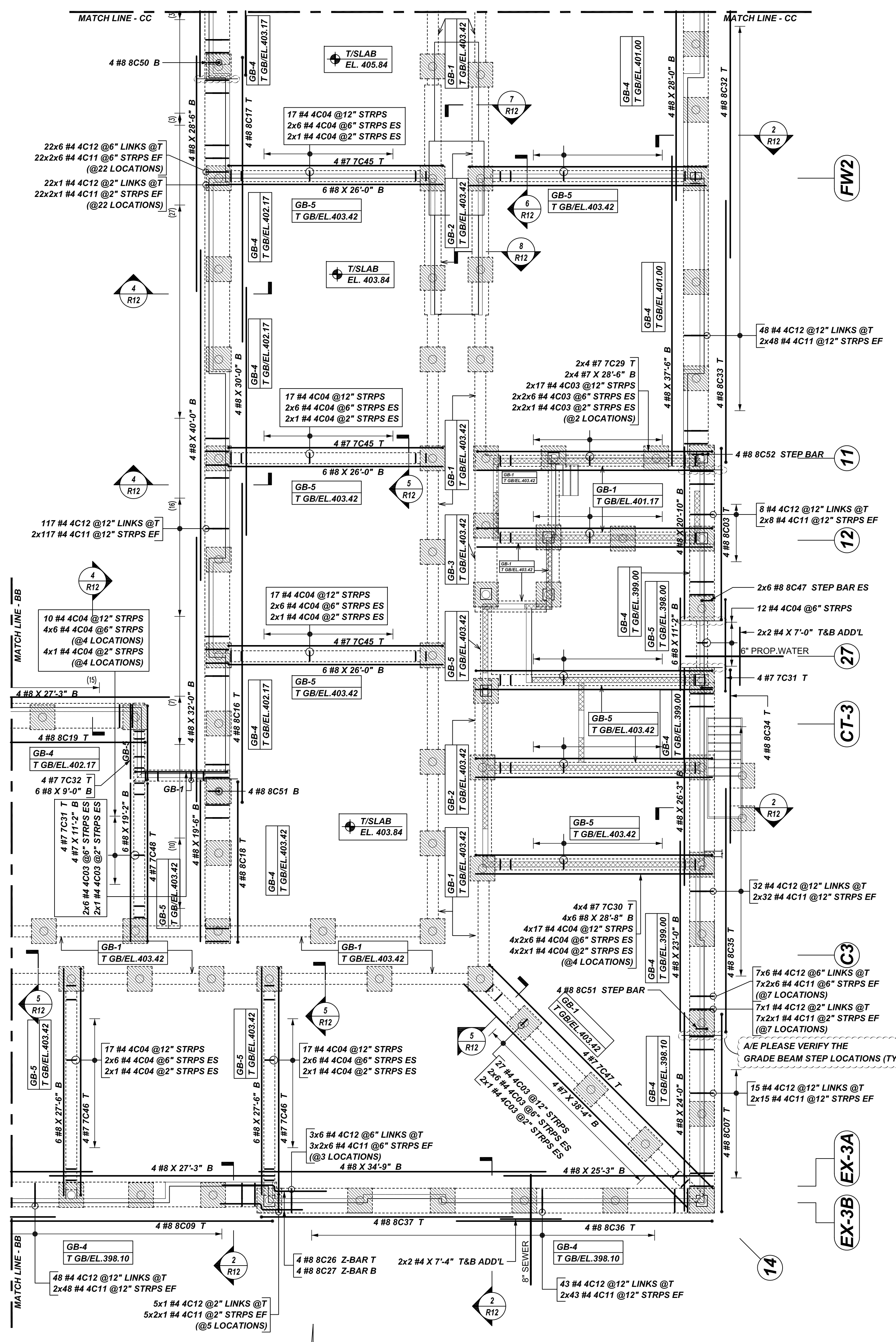


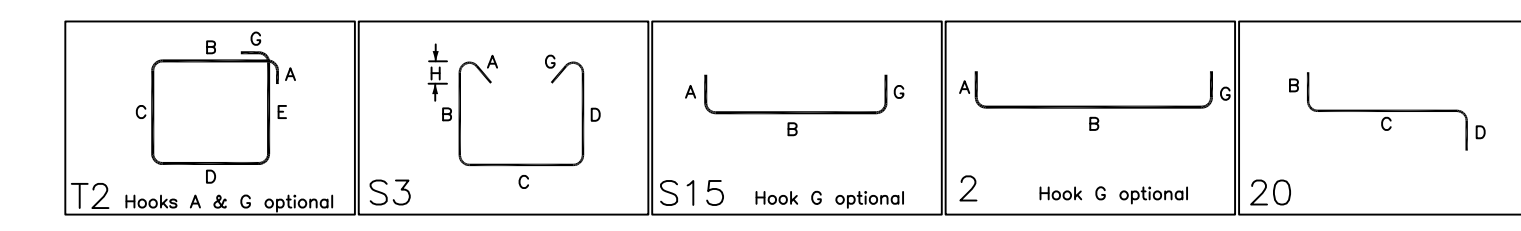
NOTICE

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Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	BENDING DETAILS
4003	117	#4	5'-2"	T2	0'-4"	1'-1"	1'-1"	0'-4"
4004	329	#4	6'-2"	T2	0'-4"	1'-1"	1'-1"	0'-4"
4C11	1074	#4	4'-10 3/4"	S3	0'-4"	1'-1"	1'-1"	0'-4"
4C12	537	#4	3'-6 3/16"	S3	0'-4"	2'-9"	1'-10"	0'-4"
7C29	8	#7	30'-10"	T	1'-2"	28'-6"		1'-2"
7C30	16	#7	31'-0"	T	1'-2"	28'-6"		1'-2"
7C31	8	#7	15'-5"	T	1'-2"	11'-2"		1'-2"
7C32	4	#7	11'-4"	T	1'-2"	9'-0"		1'-2"
7C45	12	#7	28'-4"	T	1'-2"	26'-0"		1'-2"
7C46	8	#7	29'-10"	T	1'-2"	27'-6"		1'-2"
7C47	4	#7	39'-6"	T	1'-2"	38'-4"		1'-2"
7C48	4	#7	21'-6"	T	1'-2"	19'-2"		1'-2"
8C03	4	#8	23'-6"	T	1'-4"	20'-10"		1'-4"
8C07	4	#8	26'-5"	T	1'-4"	24'-0"		1'-4"
8C09	4	#8	34'-4"	T	1'-4"	33'-0"		1'-4"
8C16	4	#8	40'-0"	T	1'-4"	38'-6"		1'-4"
8C17	4	#8	35'-10"	T	1'-4"	34'-6"		1'-4"
8C18	4	#8	22'-2"	T	1'-4"	19'-6"		1'-4"
8C19	4	#8	27'-10"	T	1'-4"	26'-6"		1'-4"
8C26	4	#8	15'-5 3/4"	T	6'-4"	0'-9 3/4"	6'-4"	
8C27	4	#8	10'-9 3/4"	T	5'-0"	0'-9 3/4"	5'-0"	
8C32	4	#8	36'-4"	T	1'-4"	35'-0"		1'-4"
8C33	4	#8	33'-1"	T	1'-4"	31'-7"		1'-4"
8C34	4	#8	22'-4"	T	1'-4"	21'-0"		1'-4"
8C35	4	#8	30'-10"	T	1'-4"	29'-6"		1'-4"
8C36	4	#8	32'-4"	T	1'-4"	31'-0"		1'-4"
8C37	4	#8	31'-10"	T	1'-4"	30'-6"		1'-4"
8C47	12	#8	3'-11"	T	1'-4"	2'-7"		1'-4"
8C50	4	#8	3'-5"	T	1'-4"	2'-7"		1'-4"
8C51	8	#8	3'-5"	T	1'-4"	2'-4"		1'-4"
8C52	4	#8	4'-5"	T	1'-4"	3'-1"		1'-4"



LAP SCHEDULE

4500 PSI (CLASS-B) CASE - 1
Per ACI 318 (12.2.2)

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

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

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
GRADE BEAM BOTTOM	3" CLR
GRADE BEAM TOP & SIDE	1 1/2" CLR
PIER TOP & SIDE	2" CLR

A/E PLEASE VERIFY COVER VALUE WE FOLLOWED

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

REBAR GRADE 60 ASTM A-615

SPICES USED		ABBREVIATIONS	BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO			Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD. = Additional	#3	#10
#3	#3	B.O.W. = Bottom of wall	#4	#13
#4	#4	C.B. = Corner Bars	#5	#16
#5	#5	DIAG. = Diagonal	#6	#19
#6	#6	D.O. = Door Opening	#7	#22
#7	#7	DWLS. = Dowels	#8	#25
#8	#8	E.F. = Each Face	#9	#29
#9	#9	E.S. = Each Side	#10	#32
#10	#10	E.W. = Each Way	#11	#36
#11	#11	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		

COLD SPRING LANE
GRADE BEAM & WALL DOWEL REINFORCEMENT DETAILS
BALTIMORE, MD 21215

CUSTOMER: CAMM CONCRETE

DESIGNER: -	DRAWN BY: DATE	JOB NO	SHEET NO.
	RTP/SS 10.17.22	M9227-795P	R06

GRADE BEAM REINFORCEMENT DETAILS

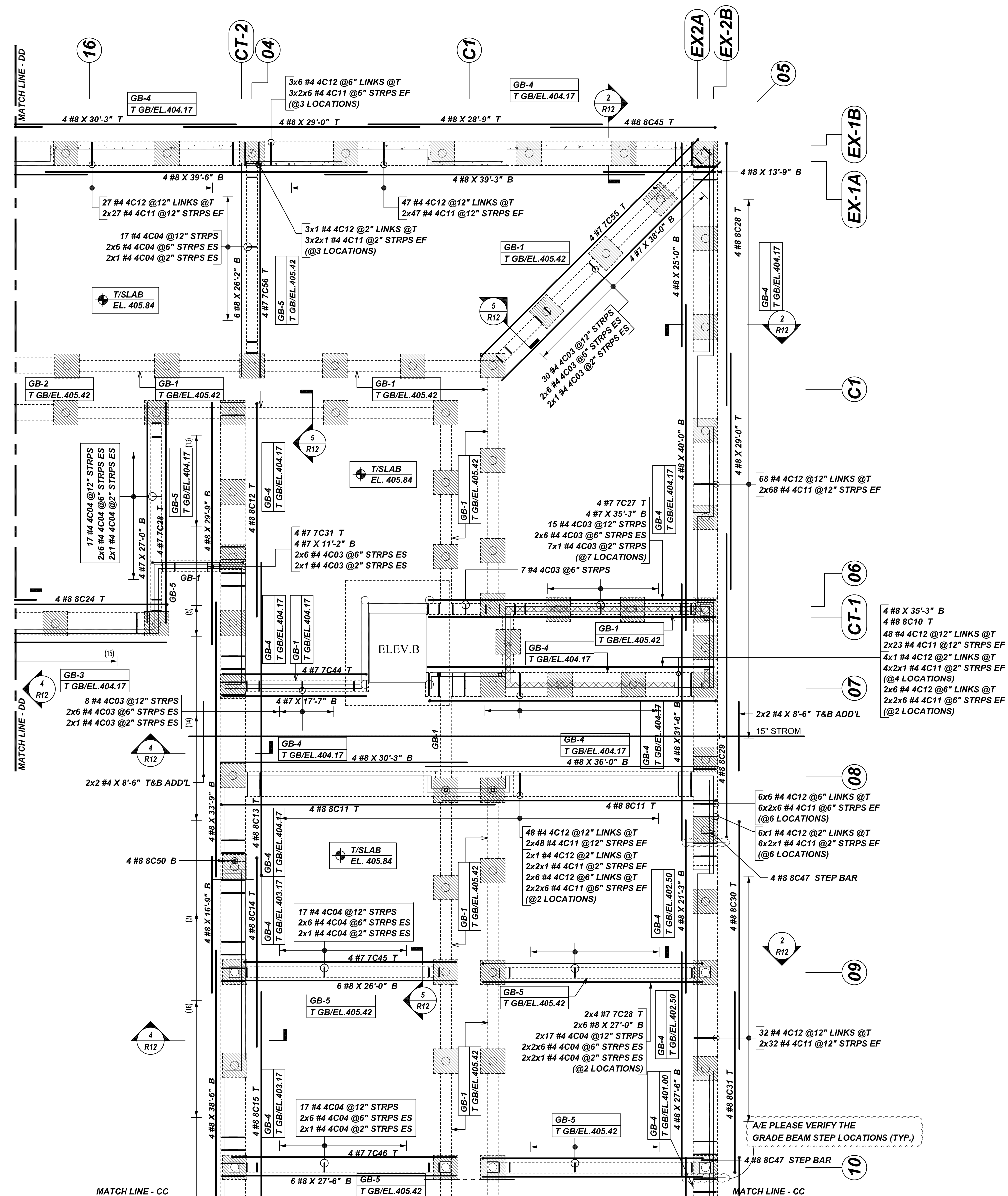
REF: S100A & S100B (DT.08/06/21)
SCALE: 1/8" = 1'-0"

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	10.17.22				

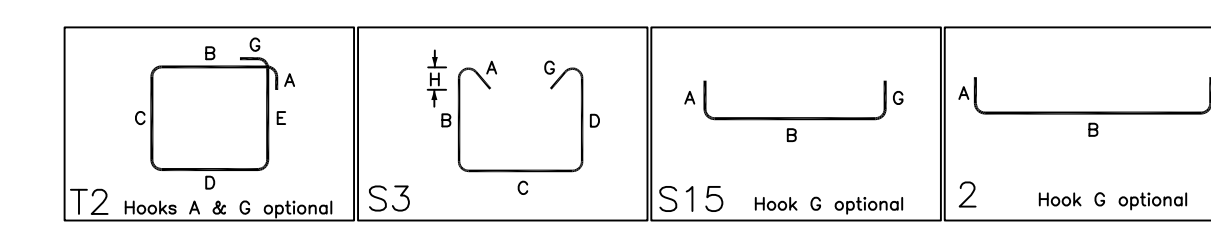
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Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
4C03	12	#4	5'-2"	T2	0'-4 1/2"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1 1/2"																				
4C04	186	#4	6'-2"	T2	0'-4 1/2"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1 1/2"																				
4C11	676	#4	4'-10 1/4"	S3	0'-4 1/2"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1 1/2"																				
4C12	363	#4	3'-5 1/2"	S3	0'-4 1/2"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1 1/2"																				
7C27	4	#7	37'-7"	T	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"																				
7C28	12	#7	29'-4"	T	1'-2"	27'-0"																								
7C31	4	#7	13'-6"	T	1'-2"	11'-2"																								
7C44	4	#7	19'-11"	T	1'-2"	17'-7"																								
7C45	4	#7	28'-4"	T	1'-2"	26'-0"																								
7C46	4	#7	29'-10"	T	1'-2"	27'-6"																								
7C55	4	#7	40'-0"	T	1'-2"	37'-8"																								
7C56	4	#7	28'-5"	T	1'-2"	26'-1"																								
8C10	4	#8	37'-11"	T	1'-4"	35'-5"																								
8C11	8	#8	35'-0"	T	1'-4"	33'-8"																								
8C12	4	#8	27'-7"	T	1'-4"	26'-3"																								
8C13	4	#8	39'-10"	T	1'-4"	38'-6"																								
8C14	4	#8	24'-7"	T	1'-4"	23'-3"																								
8C15	4	#8	34'-7"	T	1'-4"	33'-3"																								
8C24	4	#8	23'-10"	T	1'-4"	22'-6"																								
8C28	4	#8	33'-7"	T	1'-4"	32'-3"																								
8C29	4	#8	38'-1"	T	1'-4"	37'-3"																								
8C30	4	#8	29'-4"	T	1'-4"	28'-0"																								
8C31	4	#8	23'-7"	T	1'-4"	22'-3"																								
8C45	4	#8	21'-7"	T	1'-4"	20'-3"																								
8C47	8	#8	3'-11"	T	1'-4"	2'-7"																								
8C50	4	#8	3'-5"	T	1'-4"	2'-1"																								



LAP SCHEDULE

4500 PSI (CLASS-B) CASE - 1
Per ACI 318 (12.2.2)

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

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

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
GRADE BEAM BOTTOM	3" CLR
GRADE BEAM TOP & SIDE	1 1/2" CLR
PIER TOP & SIDE	2" CLR

A/E PLEASE VERIFY COVER VALUE WE FOLLOWED

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

GRADE BEAM REINFORCEMENT DETAILS

REF: S100A & S100B (DT.08/06/21)
SCALE: 1/8" = 1'-0"

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO					
TOP BARS	OTHER BARS			Imperial	Soft Metric
#3	#3	ADD.	= Additional	#3	#10
#4	#4	B.O.W.	= Bottom of wall	#4	#13
#5	#5	C.B.	= Corner Bars	#5	#16
#6	#6	DIAG.	= Diagonal	#6	#19
#7	#7	D.O.	= Door Opening	#7	#22
#8	#8	DWLS.	= Dowels	#8	#25
#9	#9	E.F.	= Each Face	#9	#29
#10	#10	E.S.	= Each Side	#10	#32
#11	#11	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		

COLD SPRING LANE
GRADE BEAM & WALL DWEL REINFORCEMENT DETAILS
BALTIMORE, MD 21215

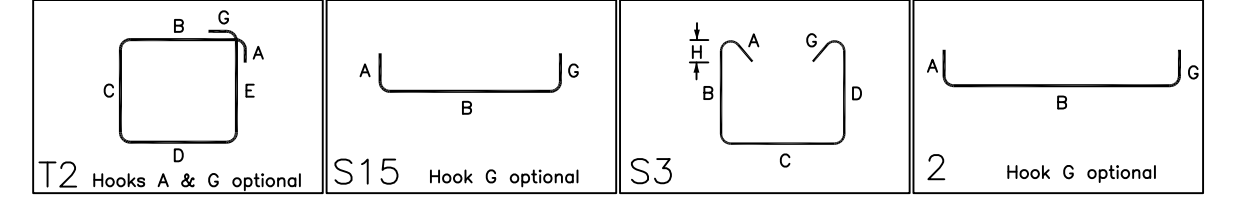
CUSTOMER: CAMM CONCRETE
DESIGNER: -

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR	DRAWN BY	DATE	JOB NO	SHEET NO.
0	10.17.22	APPROVAL				RTP/SS	10.17.22	M9227-795P	R07

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Rebar Number	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
3001	50	#3	4'-8"	T2	0'-4"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
4003	442	#4	5'-2"	T2	0'-4"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"
4005	124	#4	2'-5"	S15	0'-4"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"
4006	192	#4	4'-2"	S3	0'-4"	1'-1"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"
4009	16	#4	1'-10"	S15	0'-4"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"	1'-1"
4010	16	#4	5'-1"	S3	0'-4"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"	1'-7"
5001	254	#5	2'-11"	T2	0'-10"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"	2'-1"
5005	488	#5	3'-5"	T2	0'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"	2'-10"
6007	32	#6	4'-10"	T2	1'-0"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"	3'-10"
6008	16	#6	6'-4"	T2	1'-0"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"	5'-4"
6015	24	#6	7'-1"	T2	1'-0"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"	6'-1"
6016	16	#6	3'-2"	T2	1'-0"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"	2'-2"
7007	4	#7	29'-5"	T2	1'-2"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"	28'-3"
7008	4	#7	19'-2"	T2	1'-2"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"	18'-10"
7009	4	#7	39'-0"	T2	1'-2"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"	38'-5"
7010	4	#7	14'-5"	T2	1'-2"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"	13'-3"
7011	4	#7	31'-2"	T2	1'-2"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"	30'-0"
7023	4	#7	33'-8"	T2	1'-2"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"	32'-6"
7024	4	#7	24'-2"	T2	1'-2"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"	23'-0"
7025	4	#7	22'-8"	T2	1'-2"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"	21'-6"
8003	4	#8	23'-6"	T2	1'-4"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"	20'-10"
8004	4	#8	28'-5"	T2	1'-4"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"	25'-10"
8009	4	#8	34'-4"	T2	1'-4"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"	33'-0"



LAP SCHEDULE
 4500 PSI (CLASS-B) CASE - 1
 Per ACI 318 (12.2.2)

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

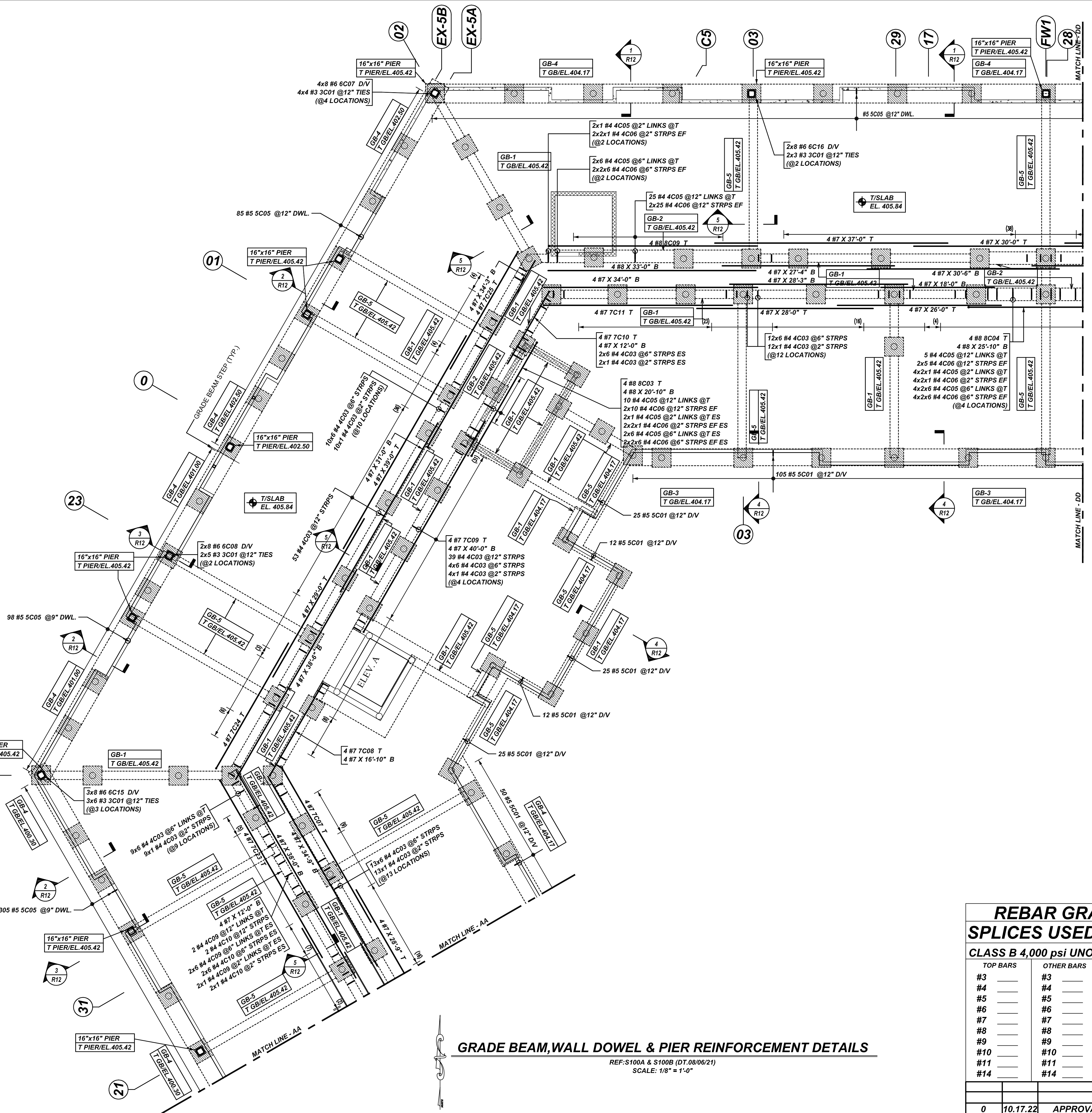
**ALL BARS IN THIS DRAWING
 ASTM A615 GRADE 60
 BLACK UNCOATED**

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
GRADE BEAM BOTTOM	3" CLR
GRADE BEAM TOP & SIDE	1 1/2" CLR
PIER TOP & SIDE	2" CLR

A/E PLEASE VERIFY COVER VALUE WE FOLLOWED

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



REBAR GRADE 60 ASTM A-615

SPLICES USED
 CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#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

COLD SPRING LANE
 GRADE BEAM & WALL DOWEL REINFORCEMENT DETAILS
BALTIMORE, MD 21215

CUSTOMER: CAMM CONCRETE
 DESIGNER: -

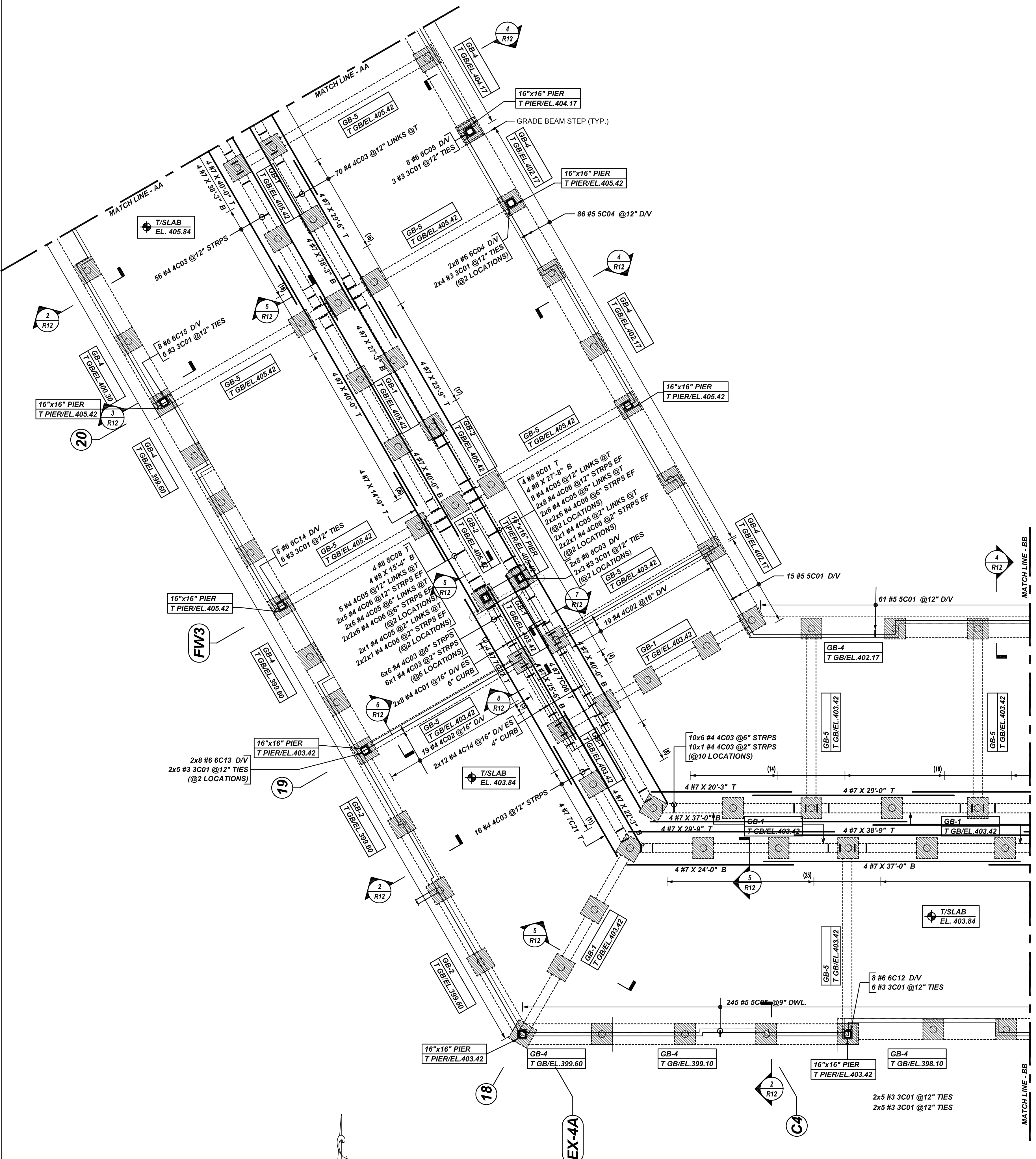
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DRAWN BY	DATE	JOB NO	SHEET NO.
RTP/SS	10.17.22	M9227-795P	R08

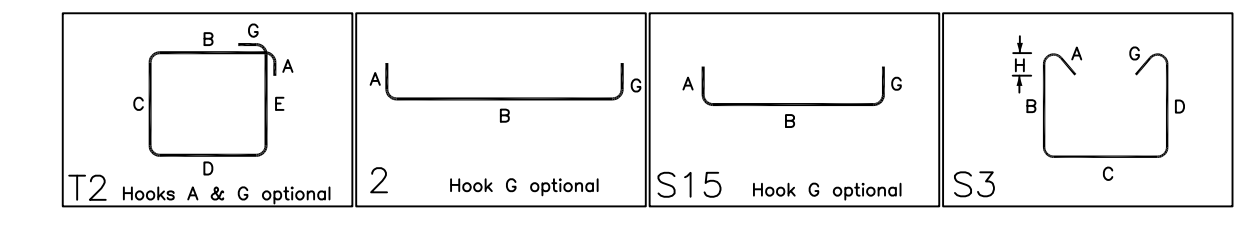
NOTICE

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Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	BENDING DETAILS															
3C01	65	#3	4'-8"	T2	0'-4"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	
4C01	16	#4	3'-2 1/2"	T	0'-8"	0'-8"	0'-8"																
4C02	36	#4	4'-0 1/2"	T	0'-8"	0'-8"	0'-8"																
4C03	254	#4	5'-7 1/2"	T2	0'-4 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"
4C05	48	#4	2'-4 1/2"	S15	0'-4 1/2"	1'-9"	1'-9"																
4C06	82	#4	4'-2 1/2"	S3	0'-4 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"
4C14	24	#4	3'-7 1/2"	T	0'-8"	2'-11 1/2"	2'-11 1/2"																
5C01	76	#5	2'-11 1/2"	T	0'-10"	2'-1 1/2"	2'-1 1/2"																
5C04	86	#5	5'-5 1/2"	T	0'-10"	4'-7 1/2"	4'-7 1/2"																
5C05	245	#5	3'-8"	T	0'-10"	2'-10"	2'-10"																
6C03	16	#6	4'-0 1/2"	T	1'-0"	3'-9 1/2"	3'-9 1/2"																
6C04	16	#6	5'-2 1/2"	T	1'-0"	4'-2 1/2"	4'-2 1/2"																
6C05	8	#6	3'-11 1/2"	T	1'-0"	2'-11 1/2"	2'-11 1/2"																
6C12	8	#6	7'-3 1/2"	T	1'-0"	6'-3 1/2"	6'-3 1/2"																
6C13	16	#6	5'-9 1/2"	T	1'-0"	4'-9 1/2"	4'-9 1/2"																
6C14	8	#6	7'-9 1/2"	T	1'-0"	6'-9 1/2"	6'-9 1/2"																
6C15	8	#6	7'-1 1/2"	T	1'-0"	6'-1 1/2"	6'-1 1/2"																
7C06	4	#7	4'-0"	T	1'-2"	3'-8"	3'-8"																
7C21	4	#7	1'-5 1/2"	T	1'-2"	1'-5 1/2"	1'-5 1/2"																
7C22	4	#7	3'-11 1/2"	T	1'-2"	3'-11 1/2"	3'-11 1/2"																
8C01	4	#8	3'-4"	T	1'-4"	2'-5"	2'-5"																
8C08	4	#8	1'-5 1/2"	T	1'-4"	1'-4"	1'-4"																



LAP SCHEDULE

4500 PSI (CLASS-B) CASE - 1
Per ACI 318 (12.2.2)

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

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

TYPICAL REINFORCING BAR CLEARANCE TABLE	
LOCATION	MIN. COVER
GRADE BEAM BOTTOM	3" CLR
GRADE BEAM TOP & SIDE	1 1/2" CLR
PIER TOP & SIDE	2" CLR

A/E PLEASE VERIFY COVER VALUE WE FOLLOWED

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

GRADE BEAM, WALL DOWEL & PIER REINFORCEMENT DETAILS

REF: S100A & S100B (DT.08/06/21)
SCALE: 1/8" = 1'-0"

REBAR GRADE 60 ASTM A-615

SPLICES USED

CLASS B 4,000 psi UNO	
TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#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
DWLS.	= 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		

**COLD SPRING LANE
GRADE BEAM & WALL DOWEL REINFORCEMENT DETAILS
BALTIMORE, MD 21215**

CUSTOMER: CAMM CONCRETE

DESIGNER: -	DRAWN BY: RTP/SS	DATE: 10.17.22	JOB NO: M9227-795P	SHEET NO: R09
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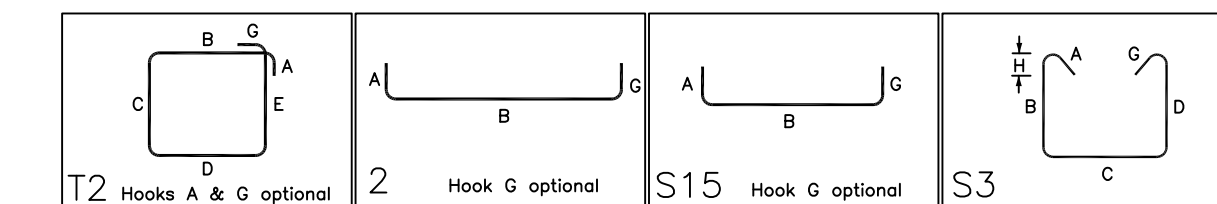
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REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR

NOTICE

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Bar Number	R10	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
3001	57	13	#3	4'-8"	T2	0'-4"	1'-0"	1'-0"	1'-0"																						
4001	28	#4	3'-2"	2	0'-8"	2'-4"																									
4002	38	#4	4'-0"	2	0'-8"	3'-4"																									
4003	338	#4	5'-2"	12	0'-4"	1'-1"	1'-1"	1'-1"	1'-1"																						
4004	15	#4	6'-2"	12	0'-4"	1'-1"	1'-1"	1'-1"	1'-1"																						
4005	118	#4	2'-8"	S15	0'-4"	1'-9"																									
4006	236	#4	4'-2"	S3	0'-4"	1'-1"	1'-1"	1'-1"	1'-1"																						
4007	56	#4	4'-8"	S3	0'-4"	1'-1"	1'-1"	1'-1"	1'-1"																						
4008	28	#4	3'-2"	S15	0'-4"	2'-5"																									
4014	28	#4	3'-2"	2	0'-8"	2'-11"																									
5001	110	#5	2'-11"	2	0'-10"	2'-11"																									
5003	13	#5	4'-11"	2	0'-10"	4'-11"																									
6002	40	#5	4'-2"	2	1'-0"	3'-2"																									
6008	8	#5	4'-4"	2	1'-0"	3'-4"																									
6010	16	#5	4'-11"	2	1'-0"	3'-11"																									
6011	8	#5	5'-11"	2	1'-0"	4'-11"																									
6012	24	#5	7'-3"	2	1'-0"	6'-3"																									
7003	8	#7	21'-2"	2	1'-2"	20'-0"																									
7004	4	#7	32'-2"	2	1'-2"	31'-0"																									
7005	4	#7	36'-2"	2	1'-2"	35'-0"																									
7017	4	#7	30'-7"	2	1'-2"	29'-3"																									
7018	4	#7	16'-4"	2	1'-2"	14'-2"																									
7019	4	#7	22'-7"	2	1'-2"	20'-3"																									
7020	4	#7	34'-5"	2	1'-2"	33'-3"																									
8002	4	#8	30'-0"	2	1'-4"	27'-4"																									
8005	4	#8	32'-10"	2	1'-4"	30'-2"																									
8006	4	#8	22'-3"	2	1'-4"	19'-7"																									
8007	4	#8	26'-8"	2	1'-4"	24'-0"																									



LAP SCHEDULE

4500 PSI (CLASS-B) CASE - 1
Per ACI 318 (12.2.2)

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

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

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
GRADE BEAM BOTTOM	3" CLR
GRADE BEAM TOP & SIDE	1 1/2" CLR
PIER TOP & SIDE	2" CLR

A/E PLEASE VERIFY COVER VALUE WE FOLLOWED

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

REBAR GRADE 60 ASTM A-615

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO				Imperial	Soft Metric
#3	---	ADD.	= Additional	#3	#10
#4	---	B.O.W.	= Bottom of wall	#4	#13
#5	---	C.B.	= Corner Bars	#5	#16
#6	---	DIAG.	= Diagonal	#6	#19
#7	---	D.O.	= Door Opening	#7	#22
#8	---	DWLS.	= Dowels	#8	#25
#9	---	E.F.	= Each Face	#9	#29
#10	---	E.S.	= Each Side	#10	#32
#11	---	E.W.	= Each Way	#11	#36
#12	---	FTG.	= Footing		
#13	---	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		

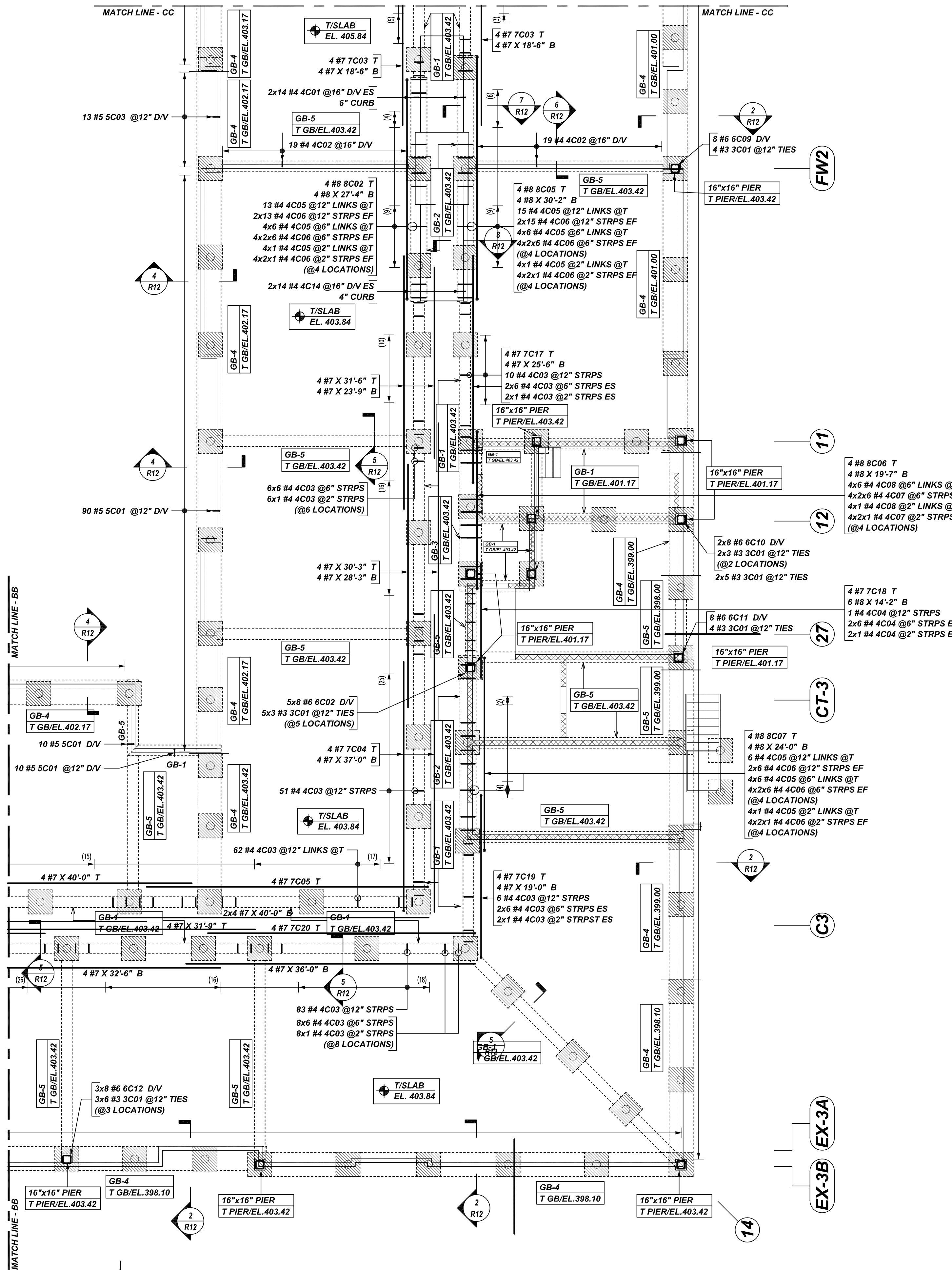
**COLD SPRING LANE
GRADE BEAM & WALL DOWEL REINFORCEMENT DETAILS
BALTIMORE, MD 21215**

CUSTOMER: CAMM CONCRETE

DESIGNER: -

DRAWN BY	DATE	JOB NO	SHEET NO.
RTP/SS	10.17.22	M9227-795P	R10

REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	10.17.22				



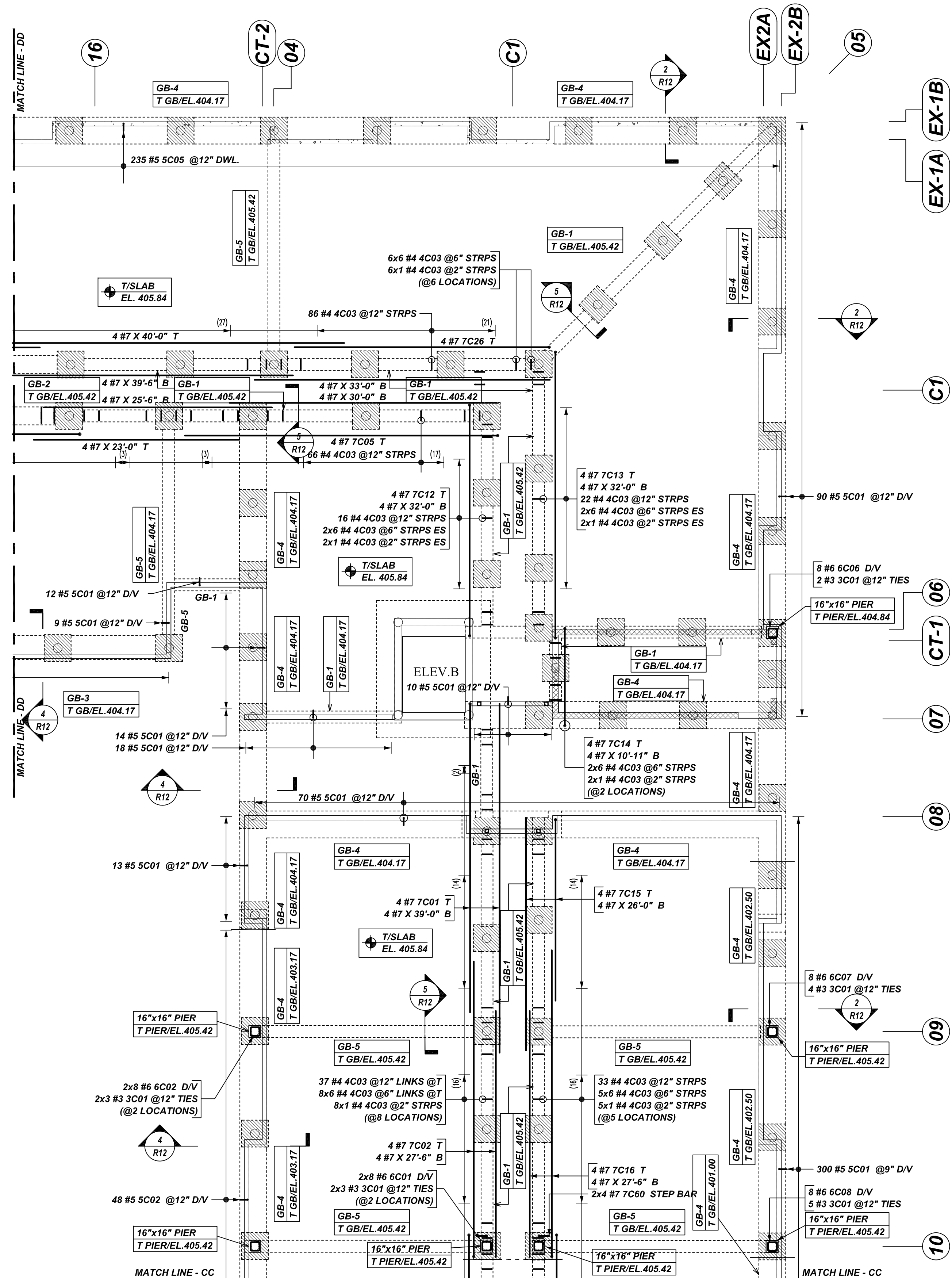
GRADE BEAM, WALL DOWEL & PIER REINFORCEMENT DETAILS

REF: S100A & S100B (DT.08/06/21)
SCALE: 1/8" = 1'-0"

NOTICE

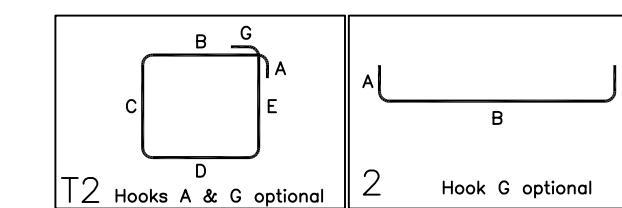
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Release Number: R11

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
3C01	23	#3	4'-8"	12	0'-4"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
4C03	435	#4	5'-2"	12	0'-4 1/2"	1'-1"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	1'-1 1/2"	
5C01	536	#5	7'-11 1/2"	2	0'-10"	2'-1 1/2"																								
6C02	48	#6	3'-11 1/2"	2	0'-10"	3'-1 1/2"																								
7C05	235	#5	3'-8"	2	0'-10"	2'-10"																								
8C01	18	#6	4'-11 1/2"	2	1'-4"	3'-11 1/2"																								
9C02	16	#6	4'-2 1/2"	2	1'-0"	3'-2 1/2"																								
10C06	8	#6	2'-7 1/2"	2	1'-0"	1'-7 1/2"																								
11C07	8	#6	4'-10 1/2"	2	1'-0"	3'-10 1/2"																								
12C08	8	#6	6'-4 1/2"	2	1'-0"	5'-4 1/2"																								
13C01	4	#7	35'-8"	2	1'-2"	34'-6"																								
14C02	4	#7	34'-2"	2	1'-2"	33'-0"																								
15C05	4	#7	36'-2"	2	1'-2"	35'-0"																								
16C12	4	#7	26'-2"	2	1'-2"	25'-10"																								
17C13	4	#7	34'-4"	2	1'-2"	32'-0"																								
18C14	4	#7	13'-3"	2	1'-2"	10'-11"																								
19C15	4	#7	21'-5"	2	1'-2"	20'-3"																								
20C16	4	#7	35'-5"	2	1'-2"	34'-3"																								
21C26	4	#7	29'-5"	2	1'-2"	28'-5"																								
22C00	8	#7	4'-3"	2	1'-2"	3'-1"																								



LAP SCHEDULE

4500 PSI (CLASS-B) CASE - 1
Per ACI 318 (12.2.2)

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

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

TYPICAL REINFORCING BAR CLEARANCE TABLE

LOCATION	MIN. COVER
GRADE BEAM BOTTOM	3" CLR
GRADE BEAM TOP & SIDE	1 1/2" CLR
PIER TOP & SIDE	2" CLR

A/E PLEASE VERIFY COVER VALUE WE FOLLOWED

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

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	#3	B.O.W. = Bottom of wall	#4	#13
#4	#4	C.B. = Corner Bars	#5	#16
#5	#5	DIAG. = Diagonal	#6	#19
#6	#6	D.O. = Door Opening	#7	#22
#7	#7	DWLS. = Dowels	#8	#25
#8	#8	E.F. = Each Face	#9	#29
#9	#9	E.S. = Each Side	#10	#32
#10	#10	E.W. = Each Way	#11	#36
#11	#11	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		

GRADE BEAM, WALL DOWEL & PIER REINFORCEMENT DETAILS

REF: S100A & S100B (DT.08/06/21)
SCALE: 1/8" = 1'-0"

Tel. 800-294-4702
COLD SPRING LANE
GRADE BEAM & WALL DOWEL REINFORCEMENT DETAILS
BALTIMORE, MD 21215

CUSTOMER: CAMM CONCRETE
DESIGNER: -

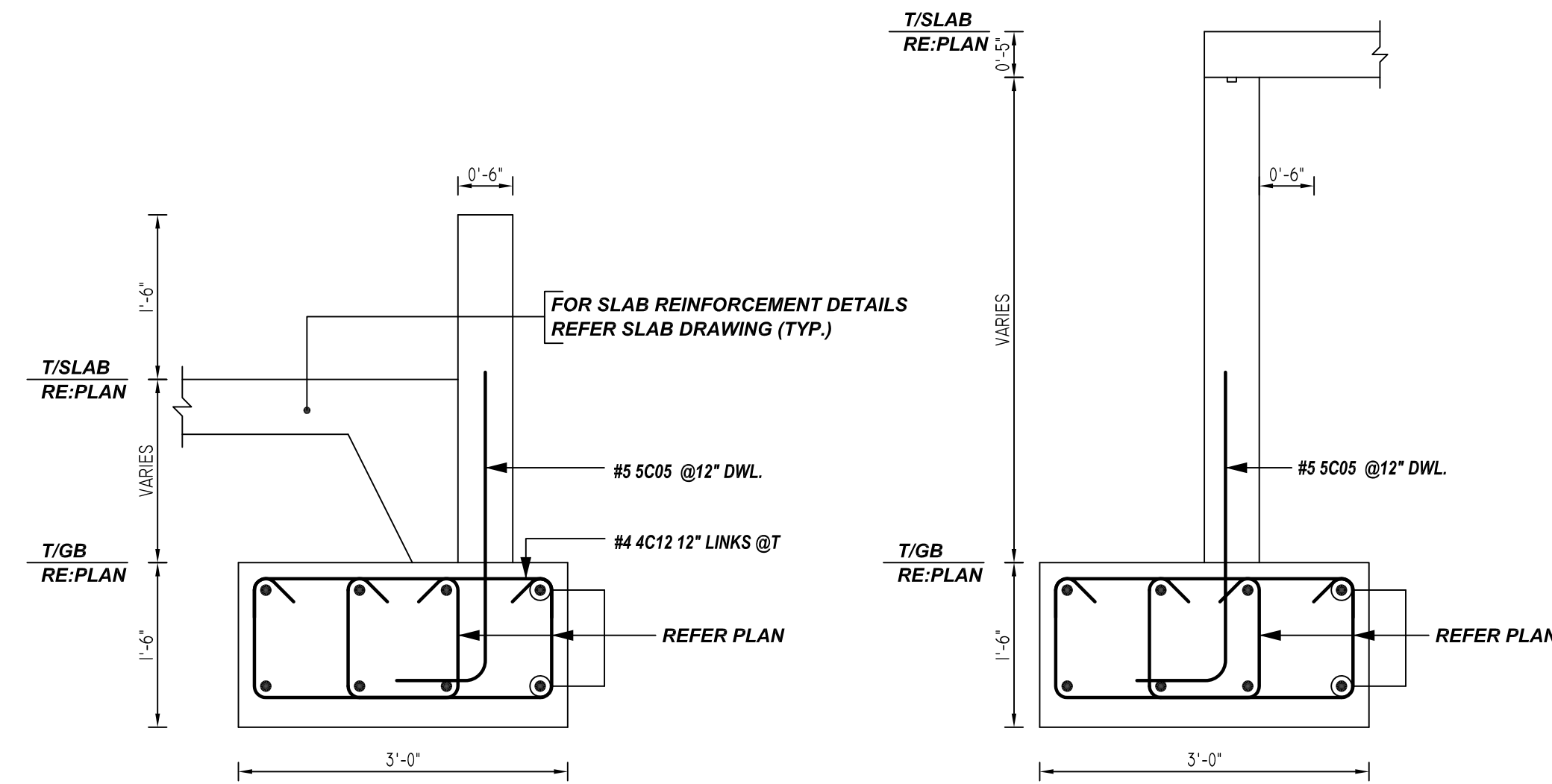
REV NO	DATE	APPROVAL	REV NO	DATE	SENT FOR
0	10.17.22	APPROVAL			

DRAWN BY	DATE	JOB NO	SHEET NO.
RTP/SS	10.17.22	M9227-795P	R11

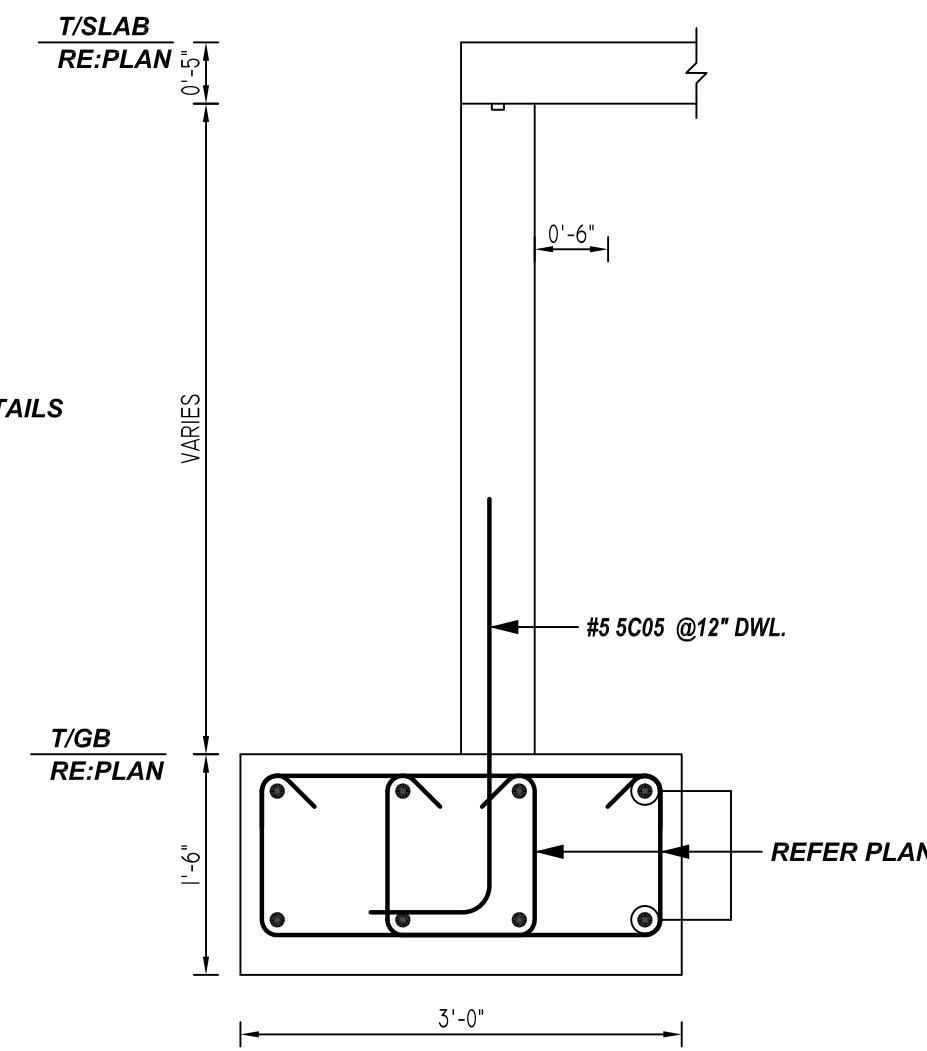
NOTICE

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.

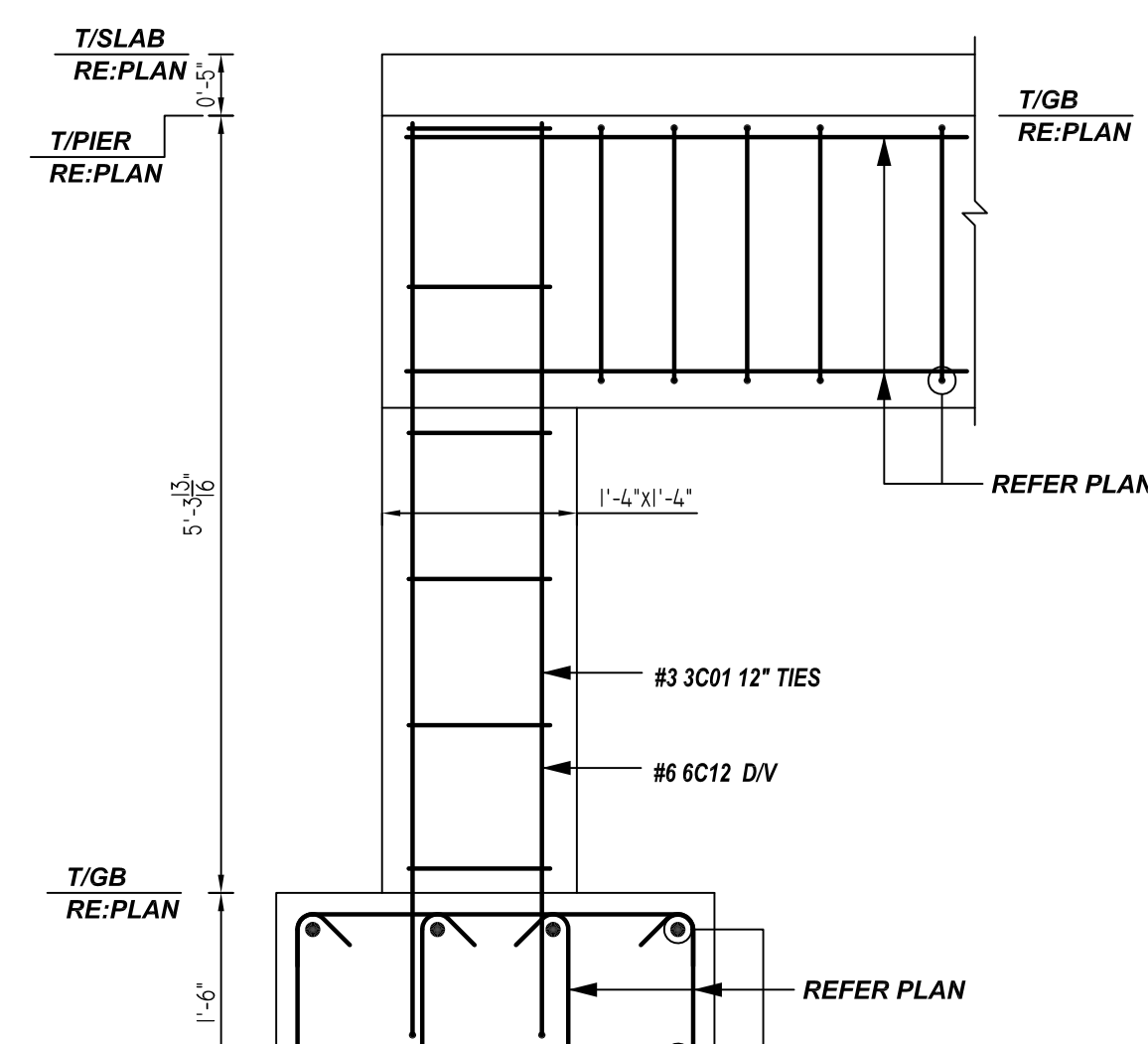
REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.



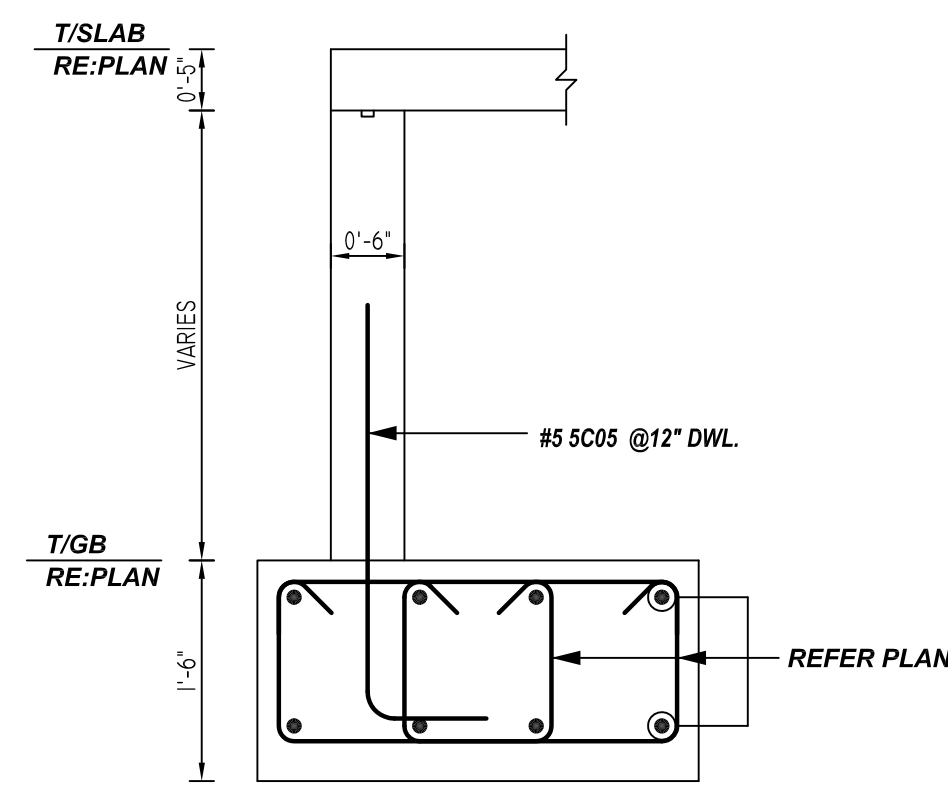
1 SECTION
REF:11/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



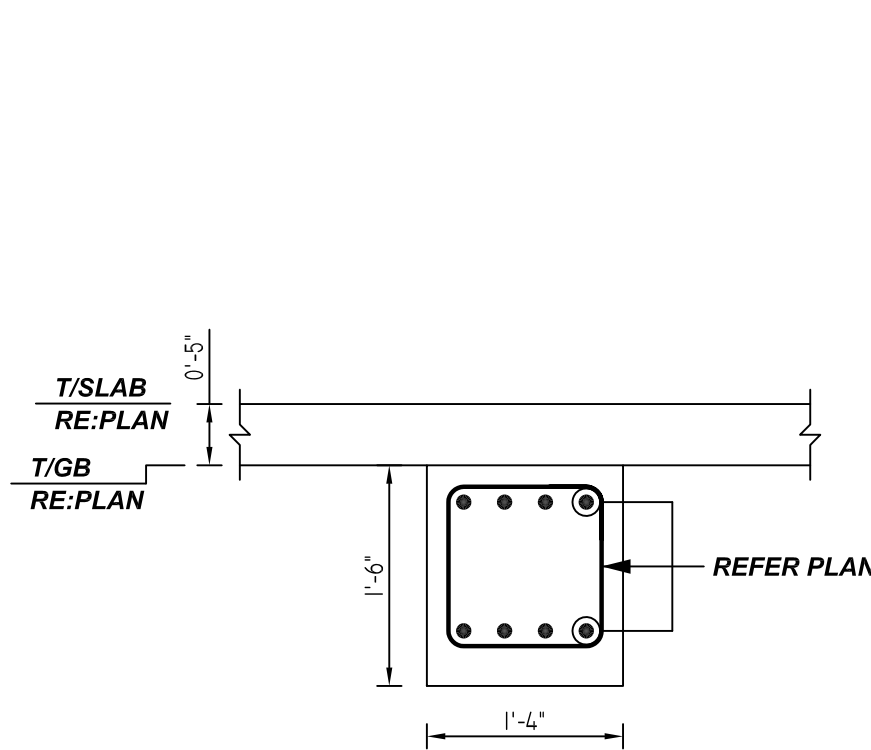
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REF:1/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



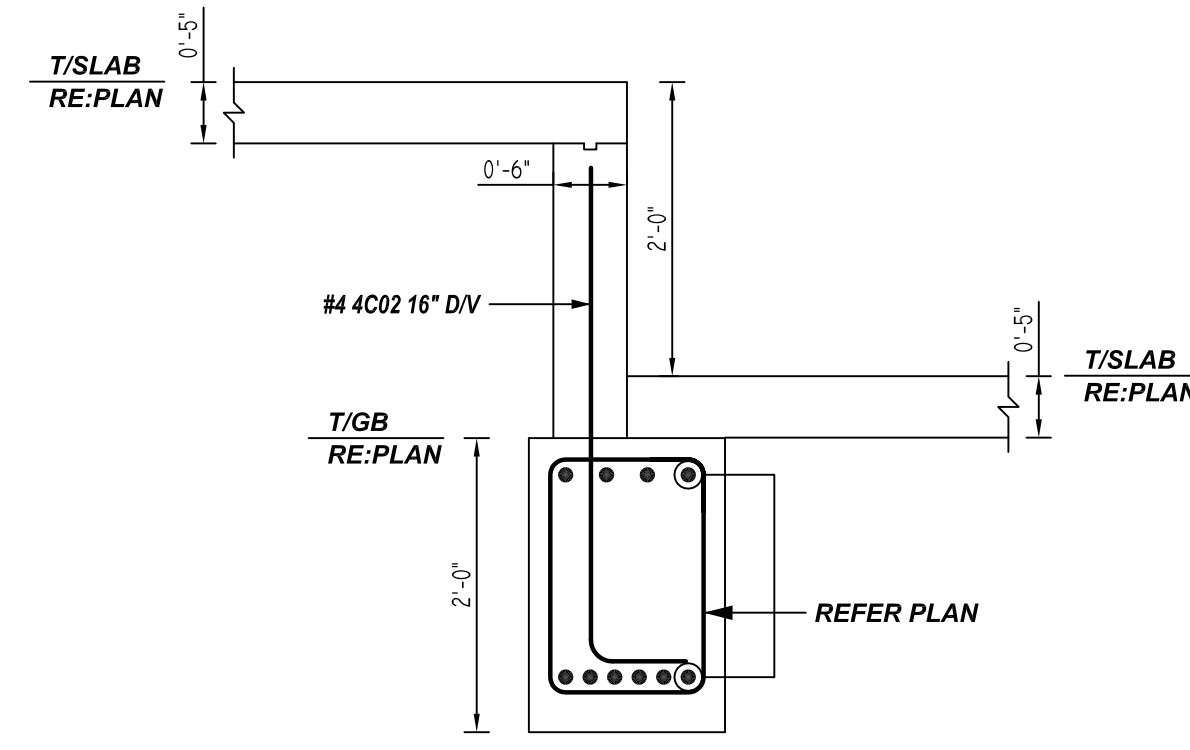
3 SECTION
REF:2/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



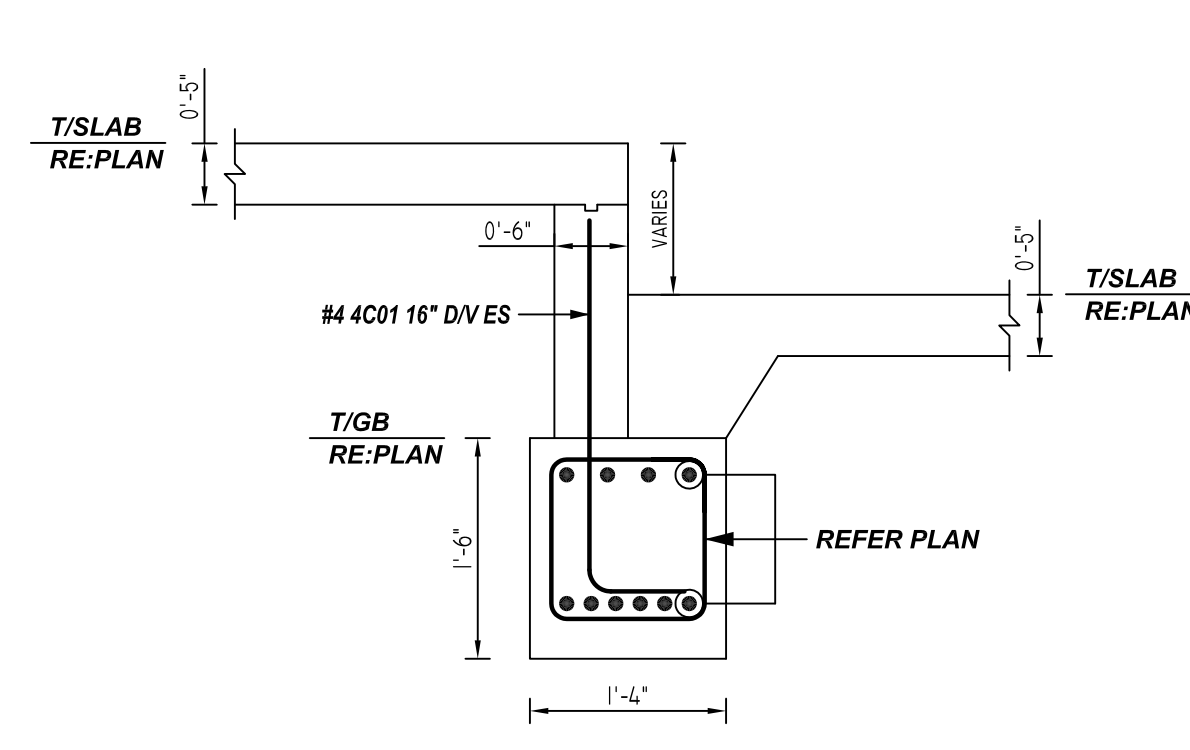
4 SECTION
REF:3/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



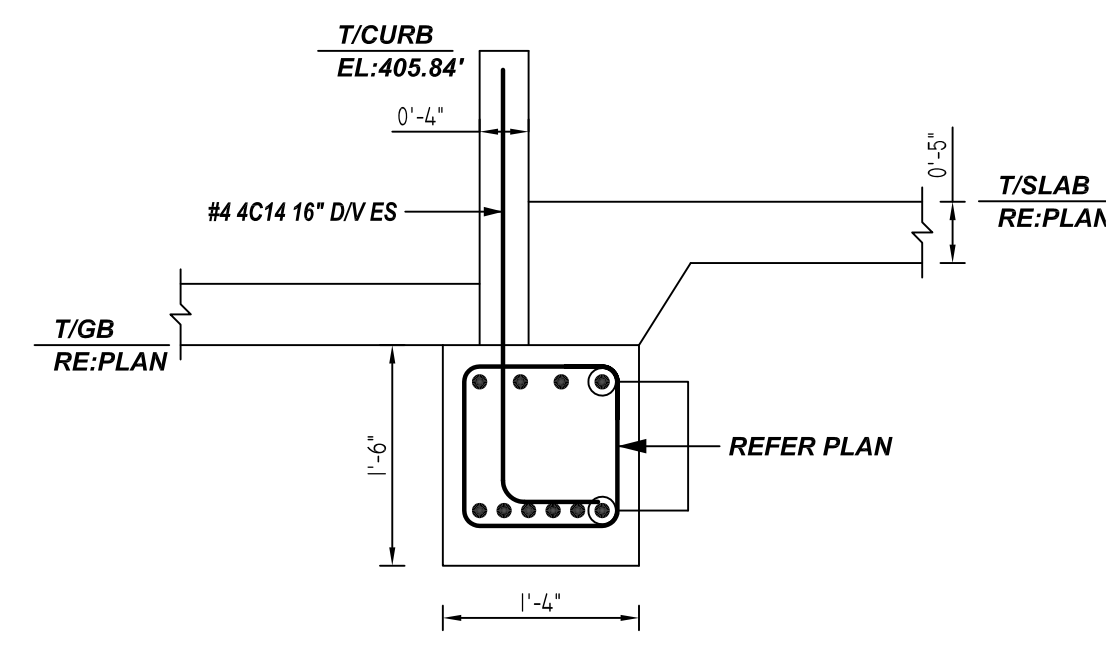
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REF:5/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



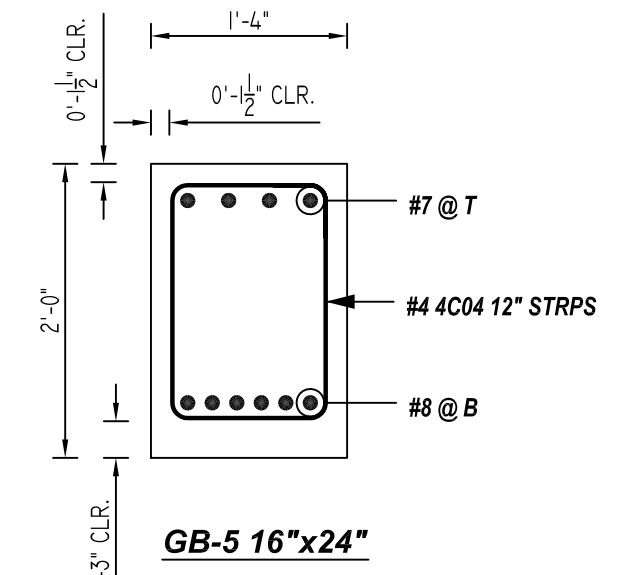
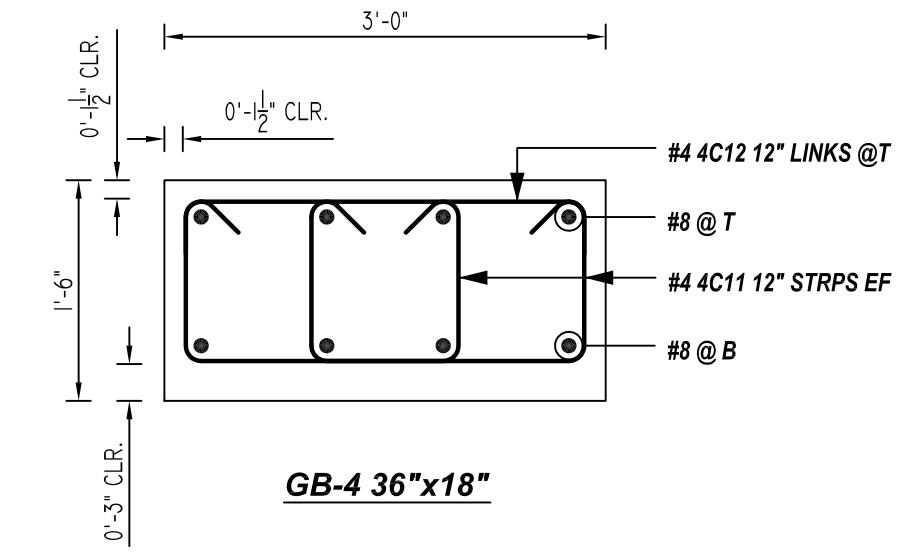
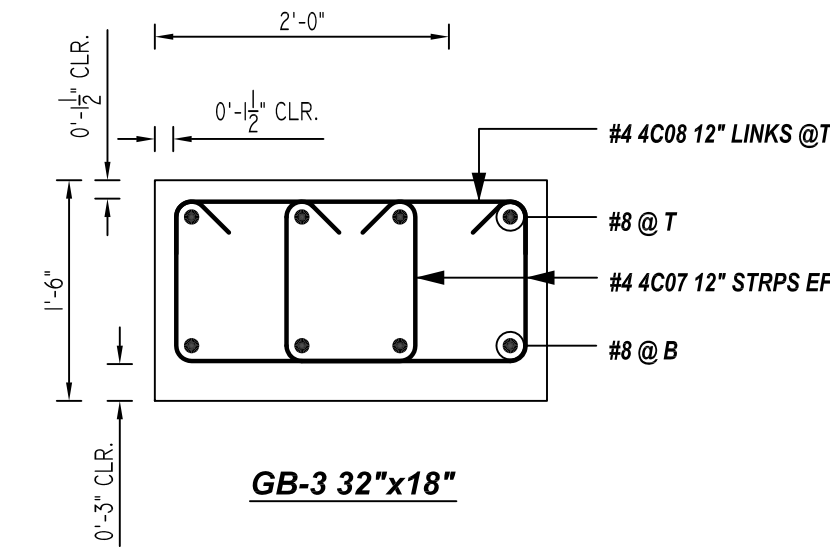
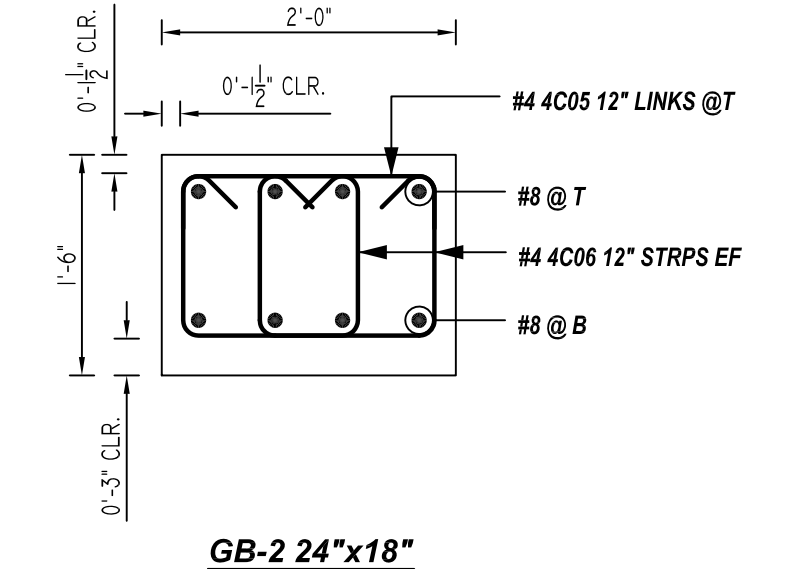
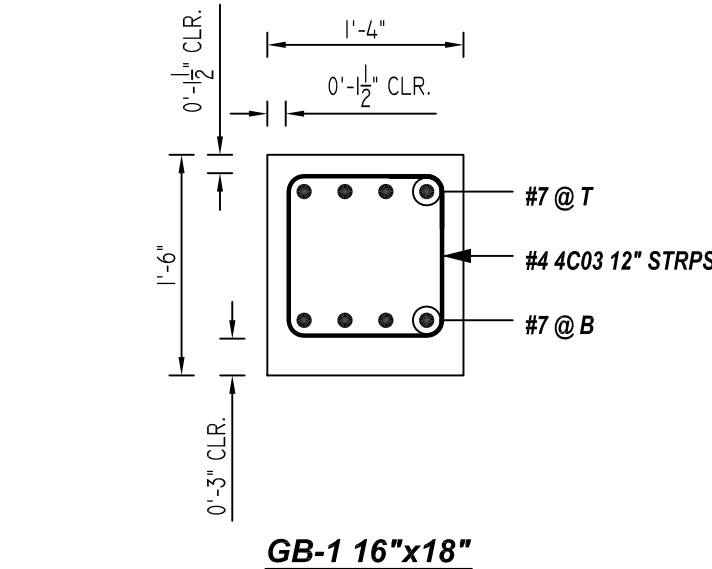
6 SECTION
REF:6&7/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



7 SECTION
REF:9/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"

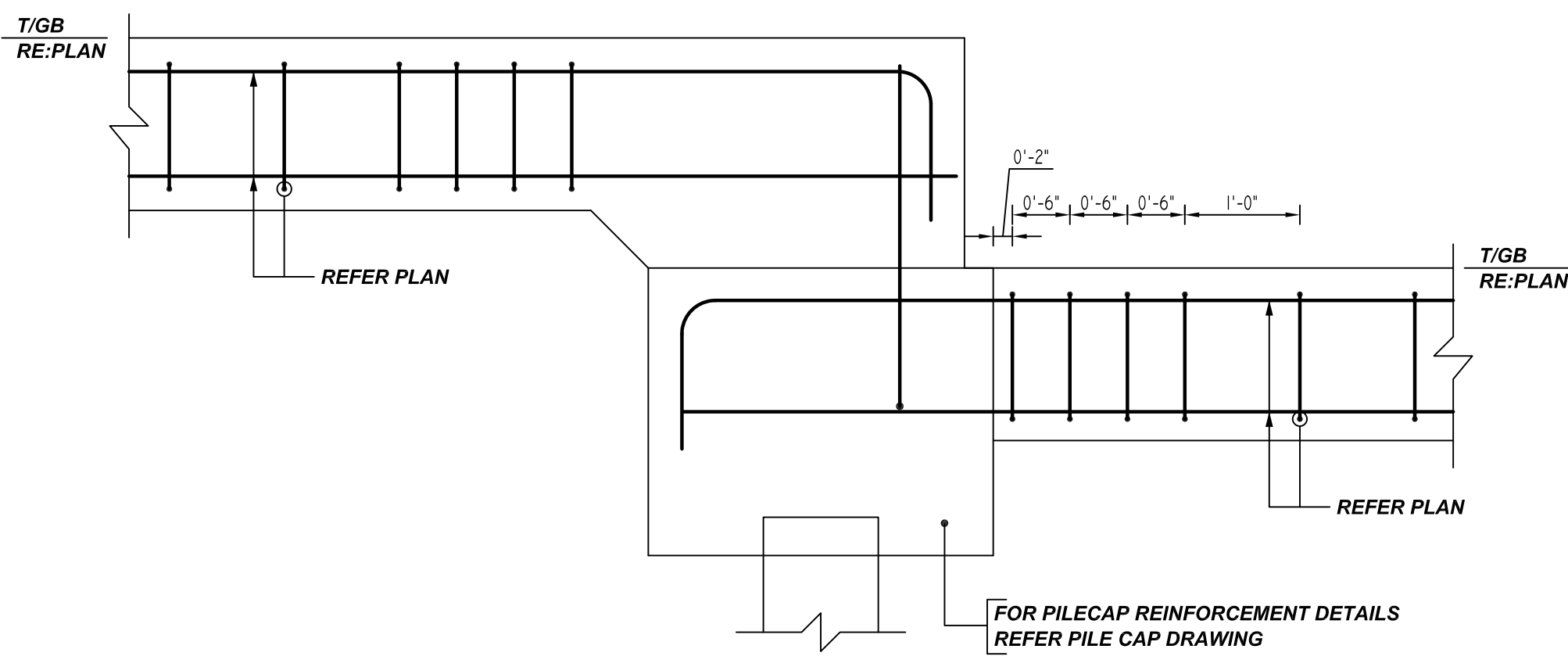


8 SECTION
REF:9/S202 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



TYPICAL GRADE BEAM CROSS SECTIONS

REF:S100&13/S201 (DT.08/06/21)
SCALE: 1/2" = 1'-0"



TYPICAL GRADE BEAM DETAILS

REF:17/S201 (DT.08/06/21)
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	#3	B.O.W.	= Bottom of wall	#4	#13
#4	#4	C.B.	= Corner Bars	#5	#16
#5	#5	DIAG.	= Diagonal	#6	#19
#6	#6	D.O.	= Door Opening	#7	#22
#7	#7	DWLS.	= Dowels	#8	#25
#8	#8	E.F.	= Each Face	#9	#29
#9	#9	E.S.	= Each Side	#10	#32
#10	#10	E.W.	= Each Way	#11	#36
#11	#11	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		

COLD SPRING LANE
GRADE BEAM & WALL DOWEL REINFORCEMENT DETAILS
BALTIMORE, MD 21215

CUSTOMER: CAMM CONCRETE

DESIGNER: -
DRAWN BY: DATE: JOB NO: SHEET NO:
RTP/SS 10.17.22 M9227-795P R12

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	10.17.22	APPROVAL			