



1. T/SLAB IS 58'-0" UNO
2. COVER DETAILS
FOR BEAMS & SLAB = 1 1/2"
3. STOCK LENGTH USED IS
#3 & #4 - 40'-0"
#5 & ABOVE - 60'-0"

LAP VALUES AS PER SHEET NO. S4.00

CLASS A LAP (Ld) 5000 PSI FOR BEAMS		
SIZE	TOP	BOT
#3	12"	12"
#4	16"	12"
#5	23"	18"
#6	31"	24"

CLASS B LAP(Lsb) 5000 PSI FOR BEAMS		
SIZE	TOP	BOT
#3	16"	16"
#4	21"	16"
#5	30"	24"
#6	41"	32"

CLASS A LAP (Ld) 5000 PSI FOR BEAMS		
SIZE	TOP	BOT
#7	58"	44"
#8	75"	58"
#9	81"	62"
#10	90"	70"
#11	107"	82"

CLASS B LAP(Lsb) 5000 PSI FOR BEAMS		
SIZE	TOP	BOT
#7	76"	58"
#8	98"	76"
#9	106"	81"
#10	117"	91"
#11	140"	107"

8" THK CMU	
SIZE	VALUE
#3	16"
#4	21"
#5	27"
#6	51"
#7	63"
#8	72"

CLASS A LAP (Ls) 5000 PSI FOR SLAB		
SIZE	TOP	BOT
#3	12"	12"
#4	17"	13"
#5	25"	19"
#6	34"	26"

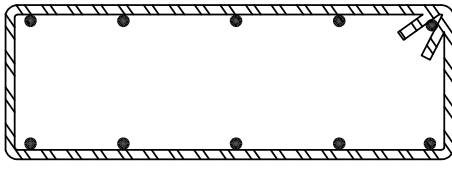
CB	- BOTTOM
CB	- CORNER BAR
CJ	- CONSTRUCTION JOINT
COL	- COLUMN
CONT	- CONTINUOUS
DWL	- DOWEL
ES	- EACH SIDE
EW	- EACH WAY
HOR	- HORIZONTAL
IF	- INSIDE FACE
LONG	- LONGITUDINAL
MDWL	- MASONRY DOWEL
OF	- OUTSIDE FACE
OPNG	- OPENING
REINF	- REINFORCEMENT
STIR	- STIRRUP
T&B	- TOP & BOTTOM
T/BM	- TOP OF BEAM
T/SLAB	- T/SLAB
TRANS	- TRANSVERSE
UNO	- UNLESS NOTED OTHERWISE

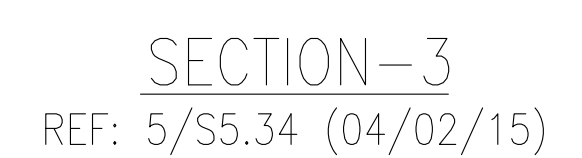
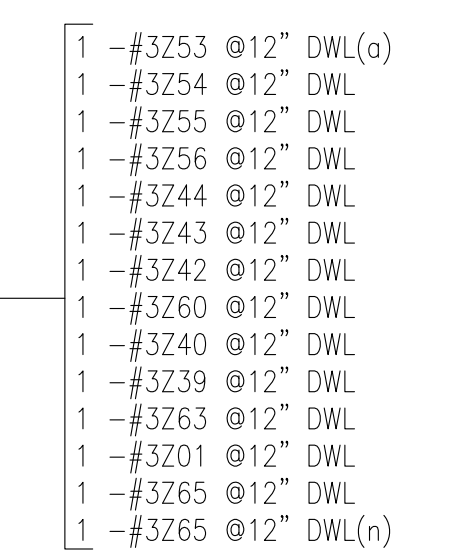
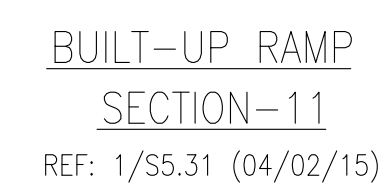
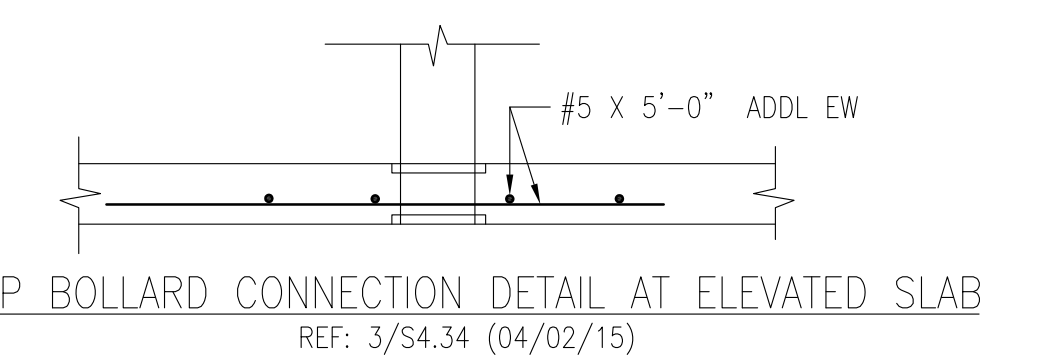
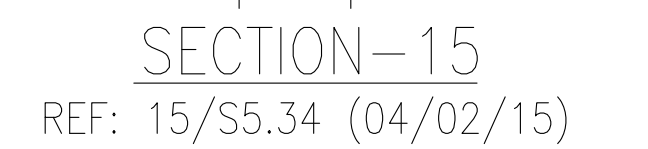
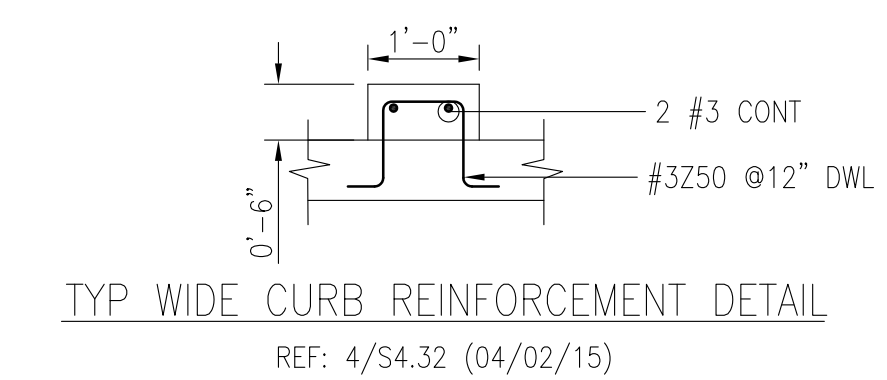
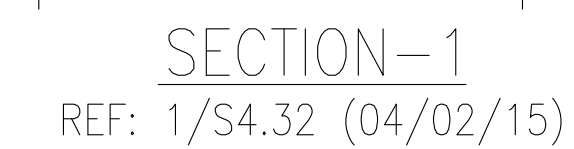
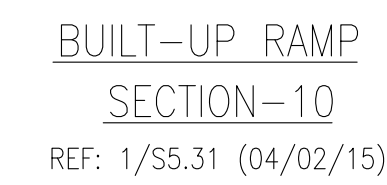
ELEVATION REFERENCE TABLE	
ELEVATIONS	DWG NO.
ELEVATIONS – 1 TO 7	R143
ELEVATIONS – 8 TO 13	R144
ELEVATIONS – 14 TO 18	R145
ELEVATIONS – 19 TO 24	R146
ELEVATIONS – 25 TO 27	R147
ELE. – 28 TO 30 & 32, 33	R148
ELE. – 31, 34, 35	R149
ELEVATIONS – 36 TO 43	R150
ELEVATIONS – 44 TO 48	R151

REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O

IF Inside Face	H Horizontal
OF Outside Face	EW Each Way
NF Near Face	B/Bot Bottom
FF Far Face	T Top
EF Each Face	SB Support Bars

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

03/10/15	0	APPROVAL	03/10/15	APPROVAL	
DATE	REV. NO.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
PROJECT	AMEGY BANK				
LOCATION	HOUSTON, TEXAS				
ARCHITECT					
ENGINEER					
CUSTOMER					
Drawn By: ROH		Date: 03/10/15	Reviewed By: ROH		Job No.
Drawing Covers:		NORTH AREA LVL 1 SLAB & BEAMS			Drawing no. R141



REFERENCE DWG.

REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O

Legend:

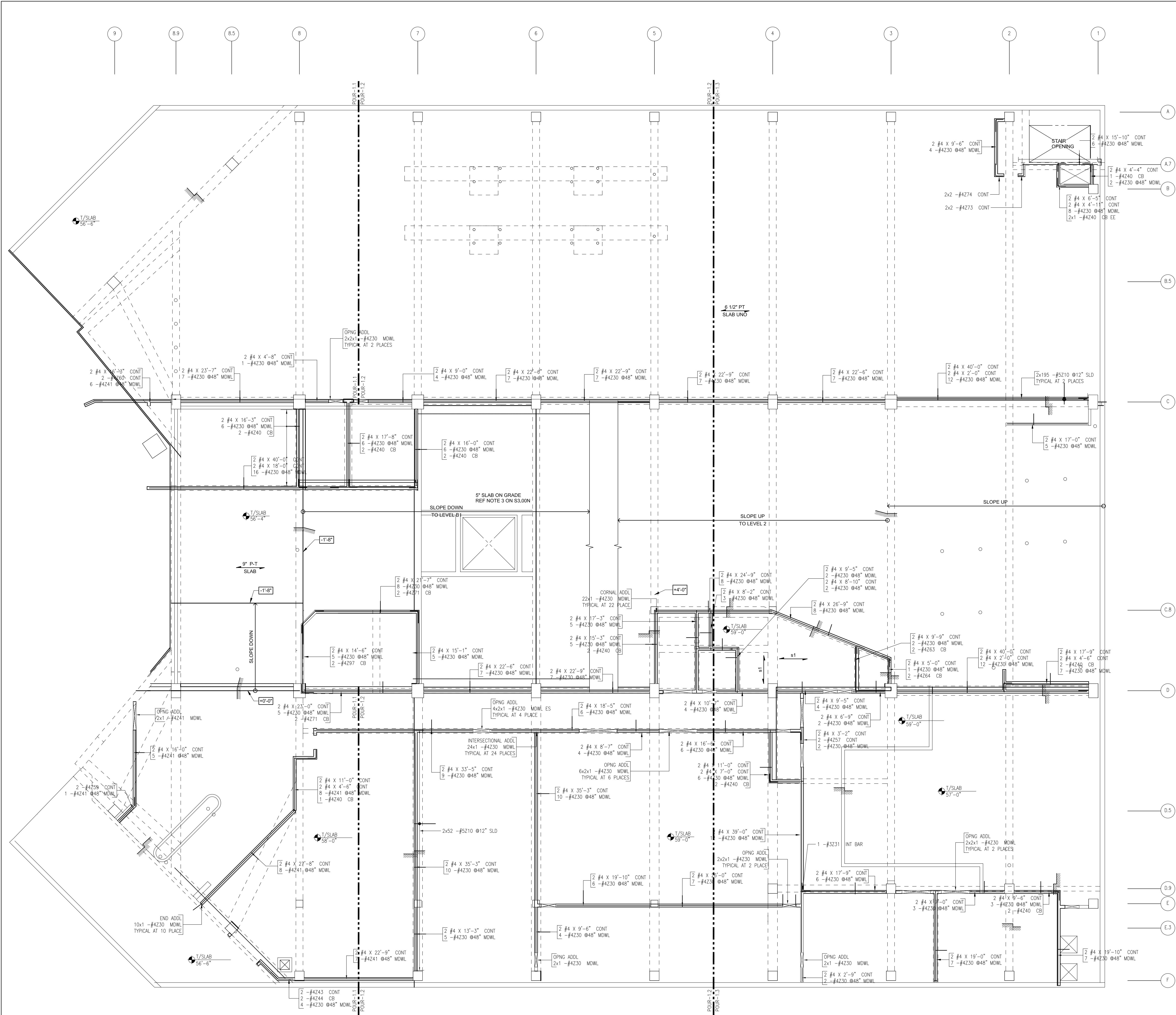
Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face

V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

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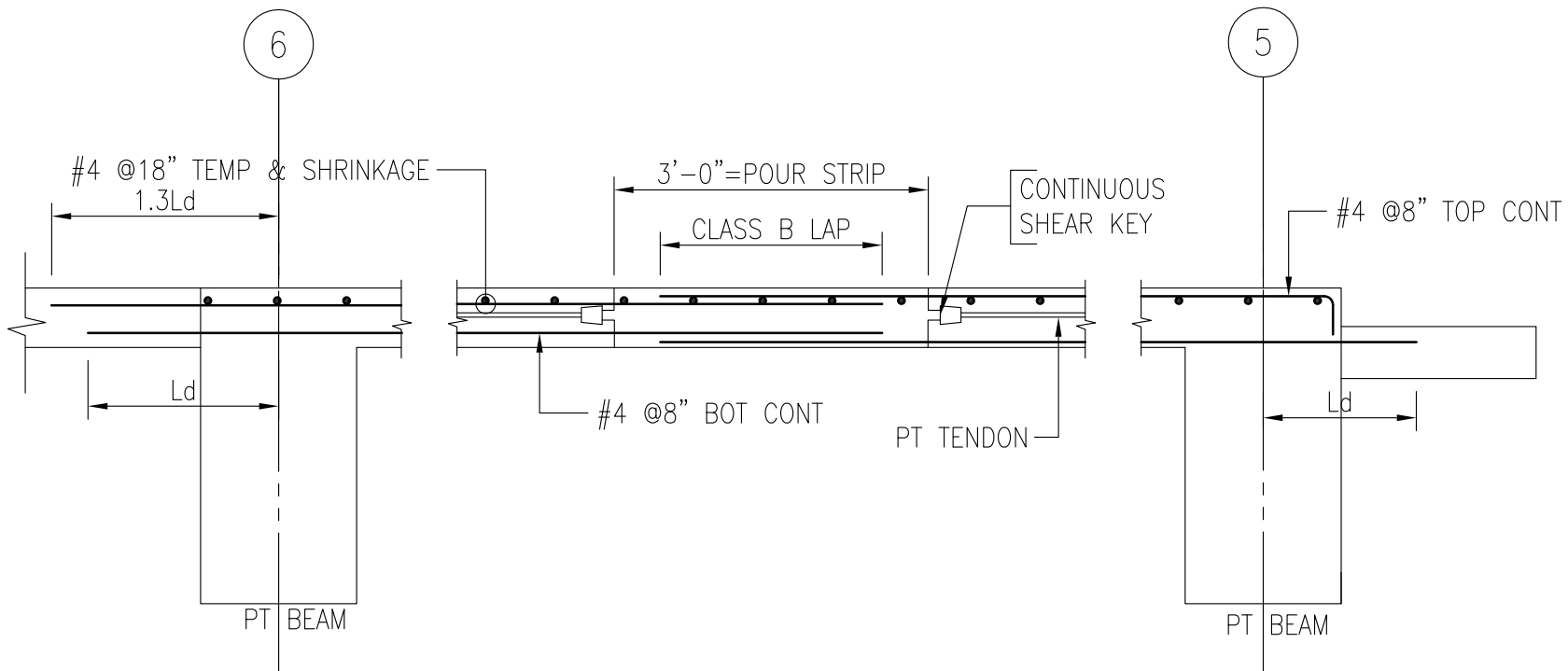
IN	CUSTOMER			
FI	Drawn By:	Date:	Reviewed By:	Job No.

ROH	03/10/15	ROH	
Drawing Covers:	NORTH AREA LVL 1 SLAB & BEAMS		Drawing no. R142



GARAGE LEVEL-1 MDWL REINF. DETAIL
REF: S3.01N (04/02/15)

Release Code: R142A				BENDING DETAILS.															
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'	N'	O'
3231	1	#3	36'	17			19'	19'											
4230	42	#4	37'	2	0'8"	25'													
4240	18	#4	36'	17			19'	19'											
4241	37	#4	29' 3/2"	2	0'8"	21' 1/2"													
4243	2	#4	6'0"	17			0'9"	5'3"											
4244	2	#4	5'0"	3			3'3"	1'9"					1'3"			1'2' 1/2"	4'6"		
4257	2	#4	3'11"	17			2'2"	1'9"											
4259	2	#4	6'4"	3			4'7"	1'9"					1'3"			1'2' 1/2"	5'10"		
4260	2	#4	3'9"	3			1'9"	2'0"					0'10"			1'9' 1/2"	3'7"		
4263	2	#4	3'4"	30			1'8"	1'8"					1'7' 1/2"			0'7"			
4264	2	#4	3'6"	3			1'9"	1'9"					1'7' 1/2"			0'7' 1/2"	2'5"		
4271	4	#4	4'4"	17			2'7"	1'9"											
4273	4	#4	3'8"	17			1'1"	2'7"											
4274	4	#4	4'7"	17			1'7"	2'7"											
4297	2	#4	7'7' 3/2"	3			1'9"	4'1' 3/2"	1'9"				1'3"			1'2' 1/2"	6'7' 1/2"		
5270	104	#5	5'4"	2	0'0"	4'6"													



SECTION-B
TYPICAL POUR DELAY AT STRIP AT LVL-1 TO 2 RAMP WITH STEP
REF: PER RFI # 168 (30/04/15)

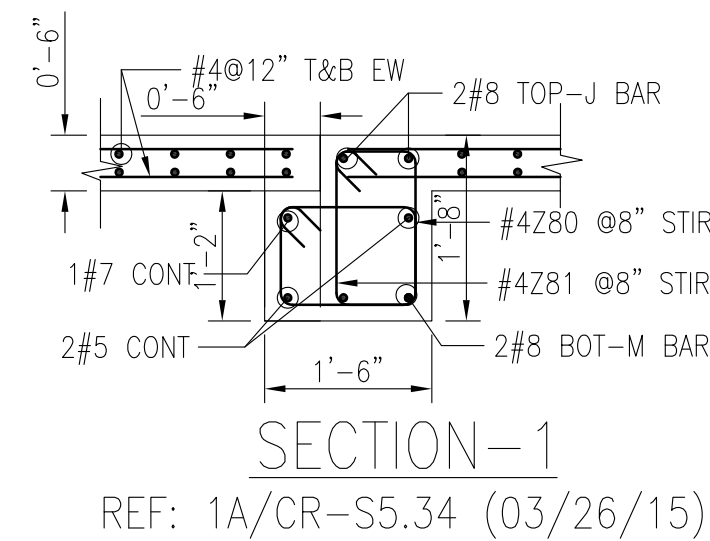
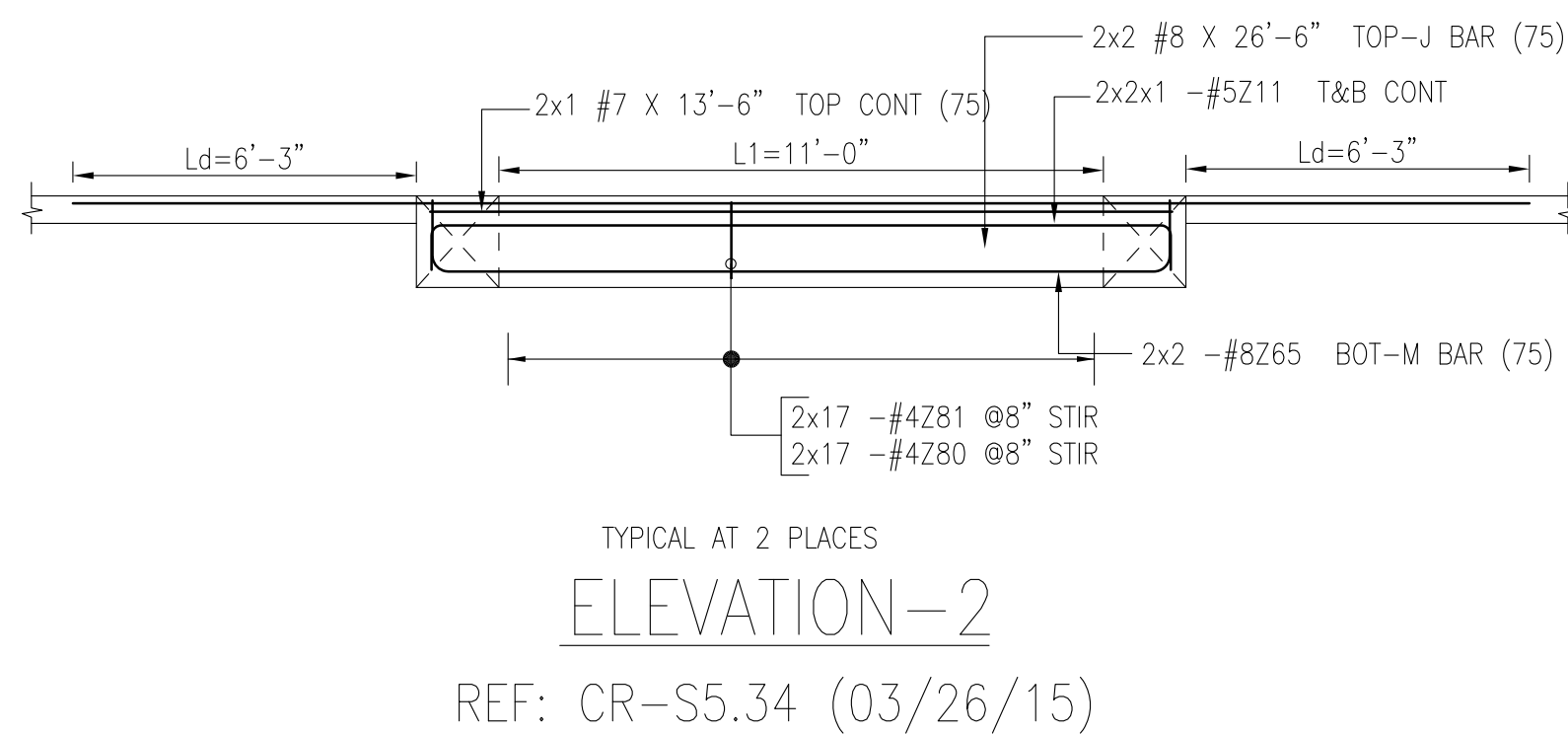
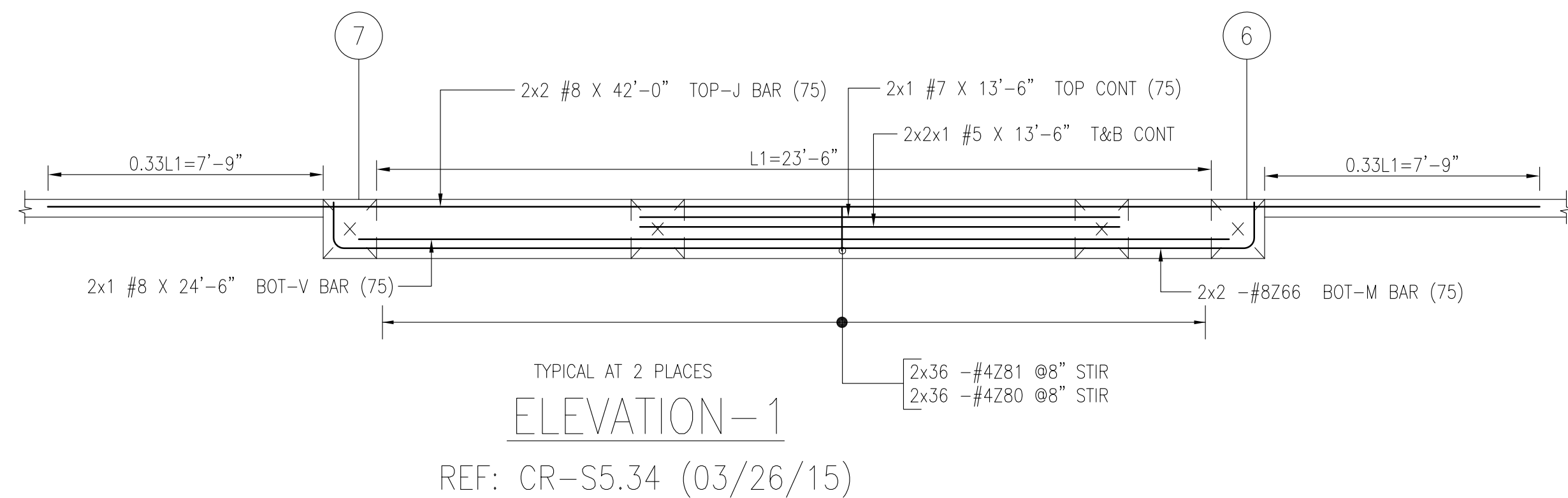
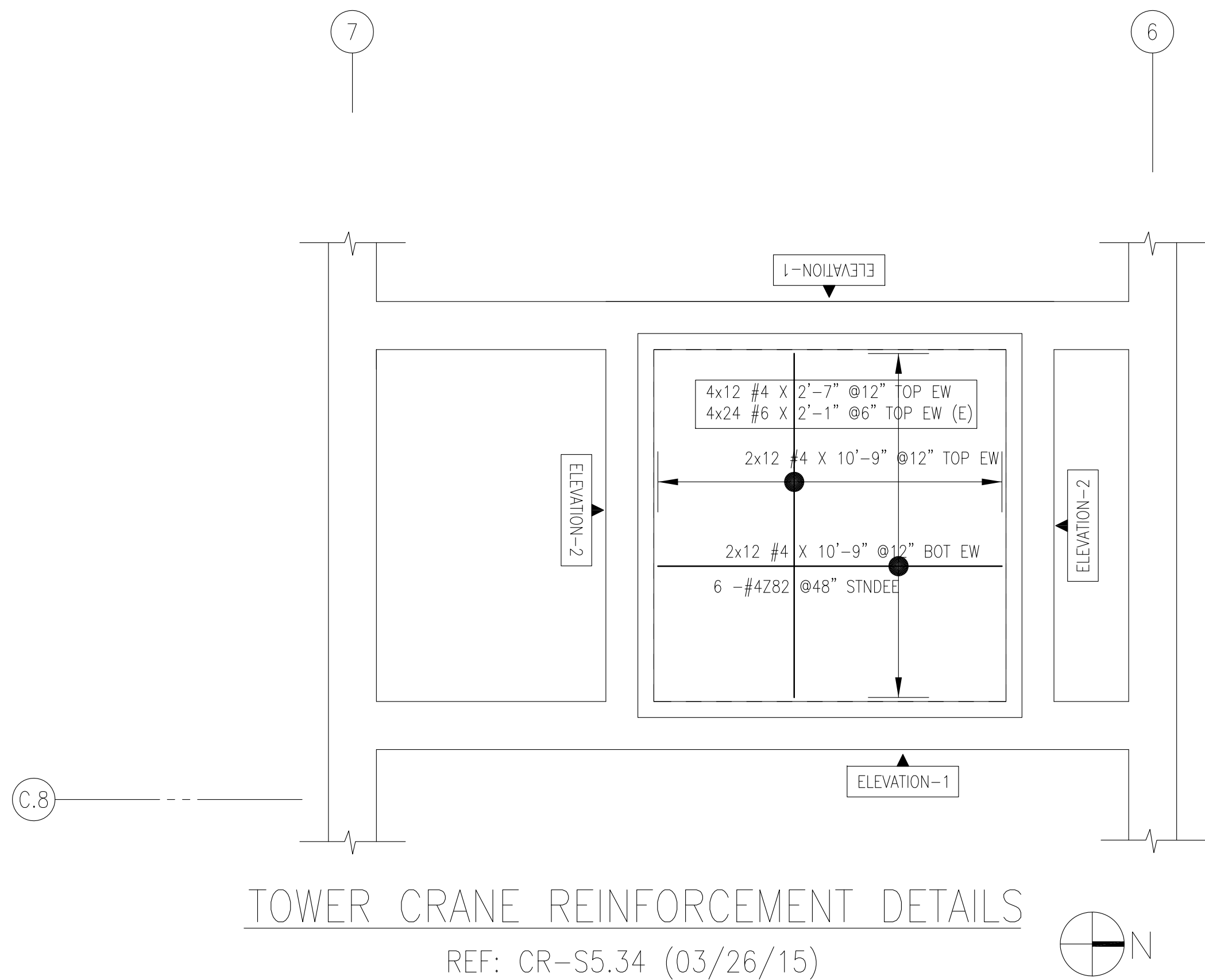
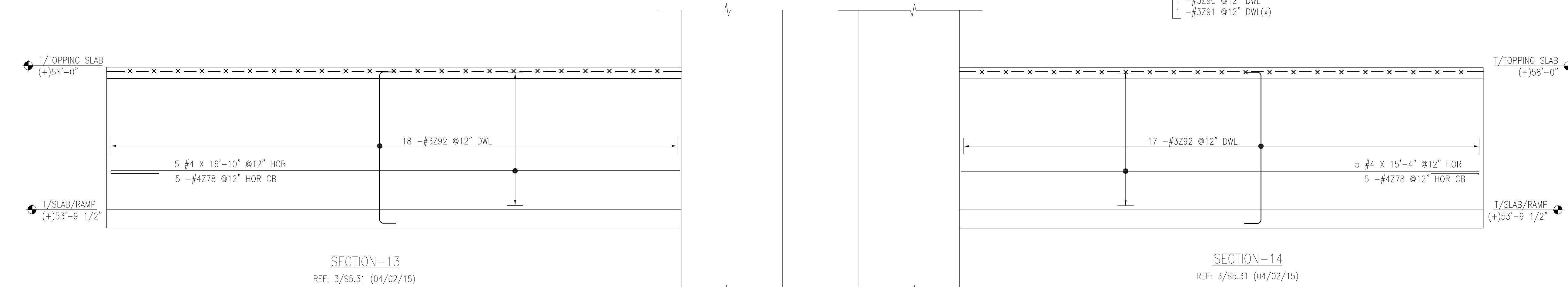
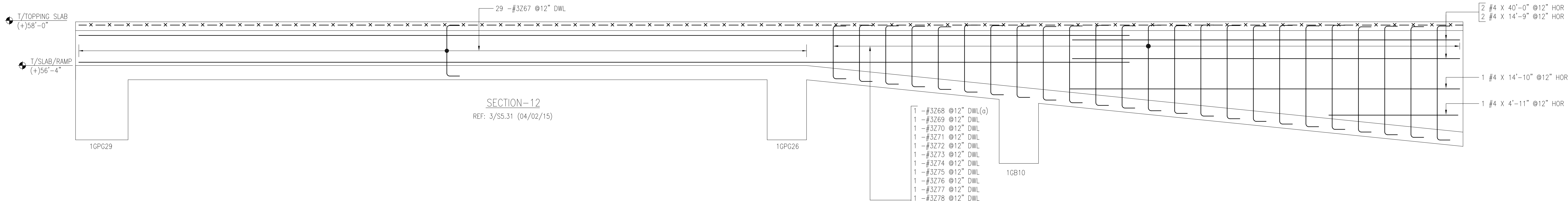
REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O

Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face

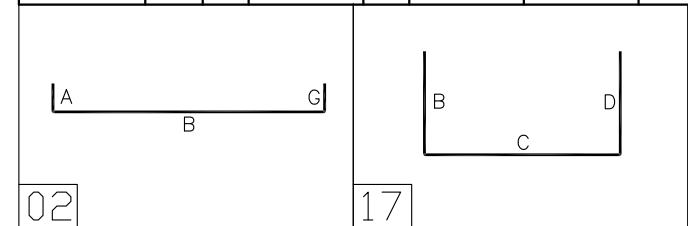
V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

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03/10/15	0	APPROVAL	03/10/15	APPROVAL	
DATE	REV	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
PROJECT AMEGY BANK					
LOCATION HOUSTON, TEXAS					
ARCHITECT					
ENGINEER					
CUSTOMER					
Drawn By: ROH	Date: 03/10/15	Reviewed By: ROH	Job No.		
Drawing Covers: NORTH AREA LVL 1 SLAB & BEAMS	Drawing no. R142A				



Release Code: R142B					BENDING DETAILS.															
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'			
3267	29	#3	211 5/2	2	06'	111 5/2						06'								
3268	1	#3	30 5/2	2	06'	28 5/2						06'								
3269	1	#3	32'	2	06'	22'						06'								
3270	1	#3	33'	2	06'	23'						06'								
3271	1	#3	34'	2	06'	24'						06'								
3272	1	#3	35'	2	06'	25'						06'								
3273	1	#3	37'	2	06'	27'						06'								
3274	1	#3	38'	2	06'	28'						06'								
3275	1	#3	39'	2	06'	29'						06'								
3276	1	#3	3'0"	2	06'	2'10"						06'								
3277	1	#3	3'11 5/2	2	06'	2'11 5/2						06'								
3278	1	#3	4'1"	2	06'	3'1"						06'								
3279	1	#3	4'2"	2	06'	3'2"						06'								
3280	1	#3	4'3 5/2	2	06'	3'3 5/2						06'								
3281	1	#3	4'4 5/2	2	06'	3'4 5/2						06'								
3282	1	#3	4'6"	2	06'	3'6"						06'								
3283	1	#3	4'7"	2	06'	3'7"						06'								
3284	1	#3	4'8"	2	06'	3'8"						06'								
3285	1	#3	4'9 5/2	2	06'	3'9 5/2						06'								
3286	1	#3	4'10 5/2	2	06'	3'10 5/2						06'								
3287	1	#3	5'0"	2	06'	4'0"						06'								
3288	1	#3	5'0 5/2	2	06'	4'0 5/2						06'								
3289	1	#3	5'2"	2	06'	4'2"						06'								
3290	1	#3	5'3"	2	06'	4'3"						06'								
3291	1	#3	5'4 5/2	2	06'	4'4 5/2						06'								
3292	35	#3	5'6"	2	06'	4'6"						06'								
4278	10	#4	2'0"	17		15'	15'													
4280	106	#4	5'1"	11	0'4 1/2	13'	0'11"	13'	0'11"						0'4 1/2					
4281	106	#4	5'1"	11	0'4 1/2	0'9"	15'	0'9"	15'						0'4 1/2					
4282	6	#4	4'0"	265		16'	0'7"	0'8"	0'7"	16'										
5211	4	#5	15'2"		0'10"	13'6"						0'10"								
8265	4	#8	16'2"		14'	13'6"						14'								
8266	4	#8	28'8"		14'	26'0"						14'								



REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O

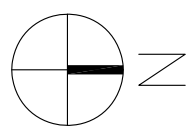
Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face
V Vertical
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B/Bot Bottom
T Top
SB Support Bars

REINFORCING STEEL PLACING DRAWINGS MUST ONLY BE USED IN
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CATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS
DRAWING ARE FOR DETAILING PURPOSES ONLY AND
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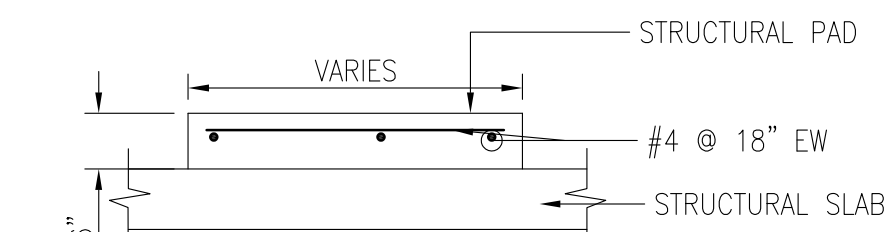
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DATE	REV.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
PROJECT AMEGY BANK					
LOCATION HOUSTON, TEXAS					
ARCHITECT					
ENGINEER					
CUSTOMER					
Drawn By: ROH	Date: 03/10/15	Reviewed By: ROH	Job No.		
Drawing Covers: NORTH AREA LVL 1 SLAB & BEAMS	Drawing no. R142B				

GARAGE LEVEL-1 CURB&PAD REINF. DETAIL

REF: S3.01N (04/02/15)



- 1 #4 X 1'-10" @18" TOP LW (A)
1 #4 X 2'-2" @18" TOP LW
1 #4 X 2'-7" @18" TOP LW
1 #4 X 3'-1" @18" TOP LW
1 #4 X 3'-9" @18" TOP LW
1 #4 X 4'-7" @18" TOP LW
1 #4 X 5'-7" @18" TOP LW
1 #4 X 6'-9" @18" TOP LW
1 #4 X 8'-2" @18" TOP LW
1 #4 X 9'-9" @18" TOP LW
1 #4 X 11'-4" @18" TOP LW
1 #4 X 12'-11" @18" TOP LW
1 #4 X 14'-6" @18" TOP LW
1 #4 X 16'-1" @18" TOP LW
1 #4 X 17'-1" @18" TOP LW
1 #4 X 17'-8" @18" TOP LW
1 #4 X 18'-1" @18" TOP LW
1 #4 X 18'-5" @18" TOP LW (R)

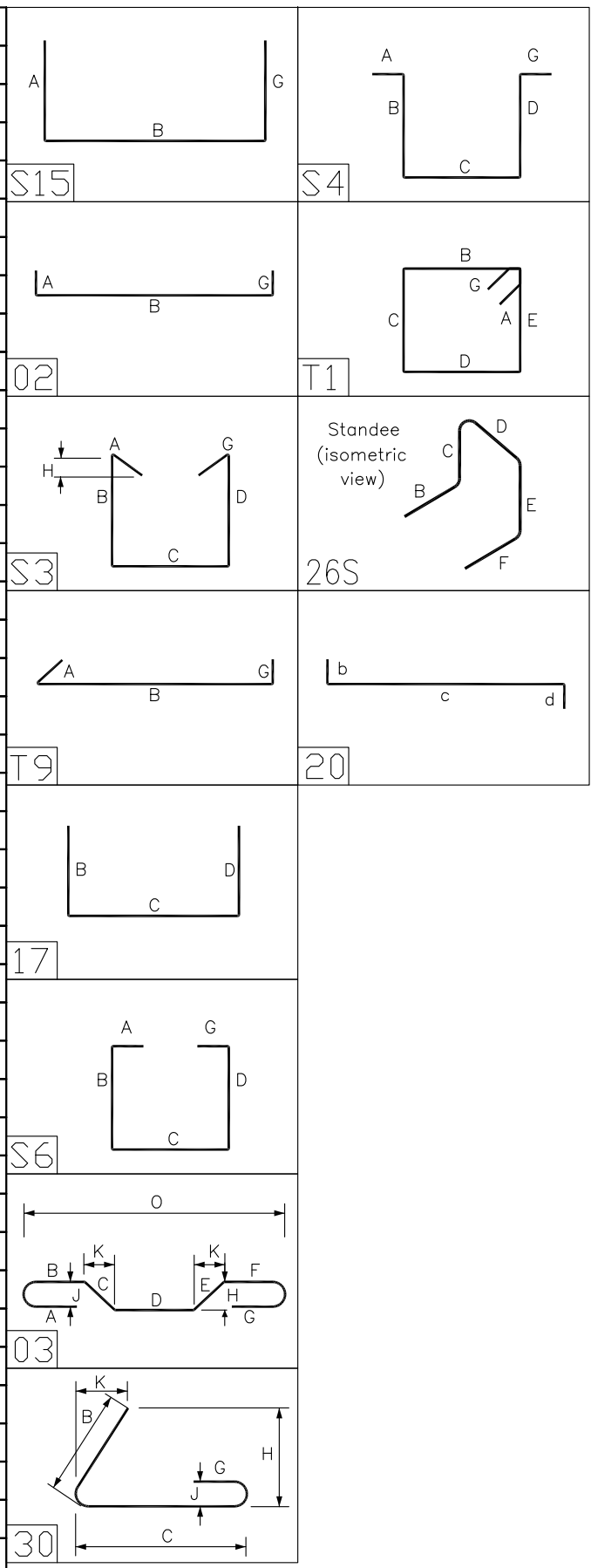


TYP 6" TALL PAD REINFORCEMENT DETAIL
SECTION-5

REF: 4/S4.32 (04/02/15)

Release Code: R142C BENDING DETAILS.													
Bar Mark	Qty	Size	total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'
3250	20#3	30'	54	04'	09 1/2"	09"	09 1/2"				04'		
4281	2#4	27'10"	13		25'10"	27'					09 1/2"		

Release Code: R143 BENDING DETAILS.													
Bar Mark	Qty	Size	total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'
3204	177#3	25'	55	04'	19"						04'		
3205	3#3	20'	55	04'	14'						04'		
3209	6#3	82'	53	04'	31"	14'					04'	02 1/2"	
3211	119#3	82'	17		29 1/2"	27"	29 1/2"						
3212	55#3	77'	56	04'	27"	19"	27"				04'	02 1/2"	
3216	59#3	77'	53	04'	27"	19"	27"				04'	02 1/2"	
3217	129#3	55'	53	04'	19"	13"	19"				04'	02 1/2"	
3218	129#3	111'	19	04'	13"						04'		
3220	76#3	87'	53	04'	31"	19"	31"				04'	02 1/2"	
3226	62#3	87'	56	04'	31"	19"	31"				04'		
4281	49#4	26'	55	04 1/2"	19"						04 1/2"	03"	
4286	98#4	67 1/2'	53	04 1/2"	27"	08 1/2"	27"				04 1/2"	03"	
4213	98#4	78'	53	04 1/2"	27"	19"	27"				04 1/2"	03"	
5214	9#5	429'	2	0'10"	418"								
5215	9#5	16'10"	2	0'10"	16'0"								
5216	6#5	14'7"	2	0'10"	13'9"								
5217	4#5	274'	2	0'10"	26'6"								
5218	4#5	384'	2	0'10"	37'6"								
5219	13#5	447'	2	0'10"	43'9"								
5220	13#5	201'	2	0'10"	19'3"								
5222	8#5	131'	2	0'10"	12'3"								
6204	4#6	113'	2	1'0"	10'3"								
6205	2#6	115'	2	1'0"	10'5"								
6206	2#6	179'	2	1'0"	16'0"								
6207	2#6	189'	2	1'0"	17'0"								
6208	2#6	125'	2	1'0"	11'5"								
6209	6#6	233'	2	1'0"	22'3"								
6210	6#6	119'	2	1'0"	10'9"								
6211	4#6	111'	2	1'0"	10'11"								
6213	4#6	117'	2	1'0"	10'7"								
32109	72#3	25'	19	04'	19"						04'		
32110	3#3	20'	19	04'	14'						04'		
32112	26#3	6'10"	17		31"	110 1/2"					04 1/2"		
42102	49#4	24'	19	04 1/2"	19"						04 1/2"		
7203	2#7	229'	2	1'2"	27'7"								
7204	2#7	124'	2	1'2"	11'2"								
7205	1#7	189'	2	1'2"	16'10"								
7206	4#7	192'	2	1'2"	18'0"								
7207	4#7	242'	2	1'2"	23'0"								
7208	2#7	210'	2	1'2"	19'10"								
7209	2#7	128'	2	1'2"	11'6"								
7210	1#7	183'	2	1'2"	17'1"								
7211	2#7	191'	2	1'2"	18'9"								
7215	2#7	205'	2	1'2"	19'4"								
7216	2#7	282'	2	1'2"	27'0"								
7217	2#7	10'10"	2	1'2"	9'8"								
7219	2#7	205'	2	1'2"	19'3"								
7220	2#7	278'	2	1'2"	26'6"								
7221	4#7	211'	2	1'2"	20'9"								
7227	4#7	245'	2	1'2"	23'3"								
7228	1#7	168'	2	1'2"	15'6"								
7229	1#7	165'	2	1'2"	15'3"								
7232	2#7	195'	2	1'2"	18'4"								
7233	2#7	10'11"	2	1'2"	9'9"								
7234	6#7	79'	2	1'2"	5'10"								
7235	4#7	121'	2	1'2"	11'9"								
8229	5#8	29'10"	2	1'4"	28'6"								
8231	5#8	29'6"	2	1'4"	28'2"								

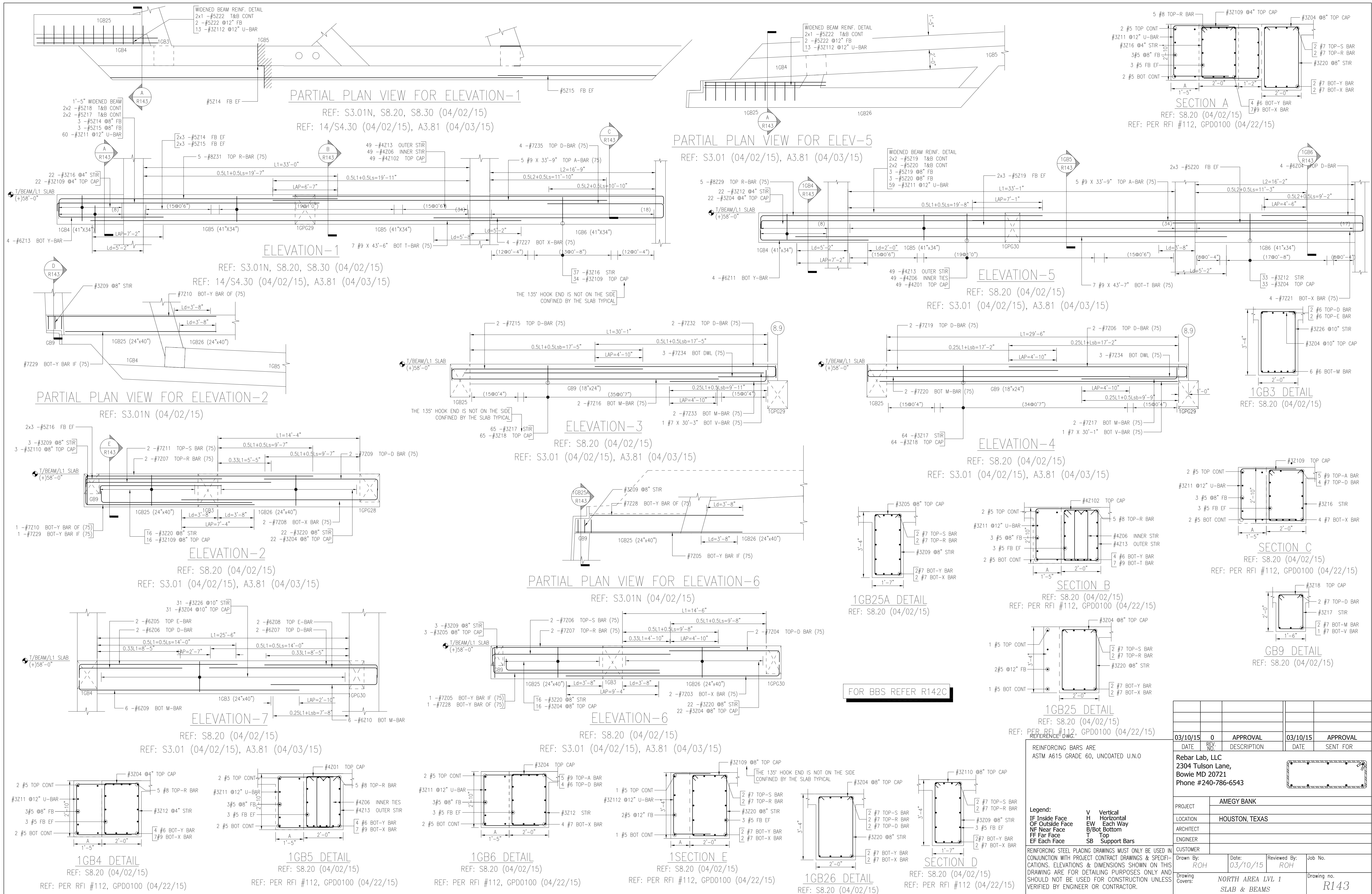


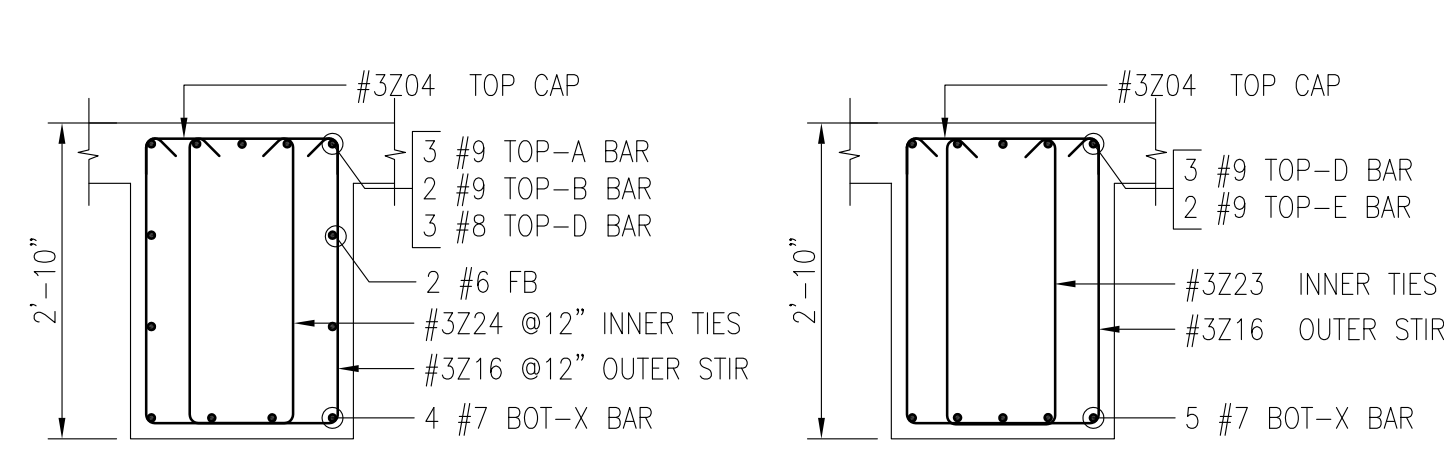
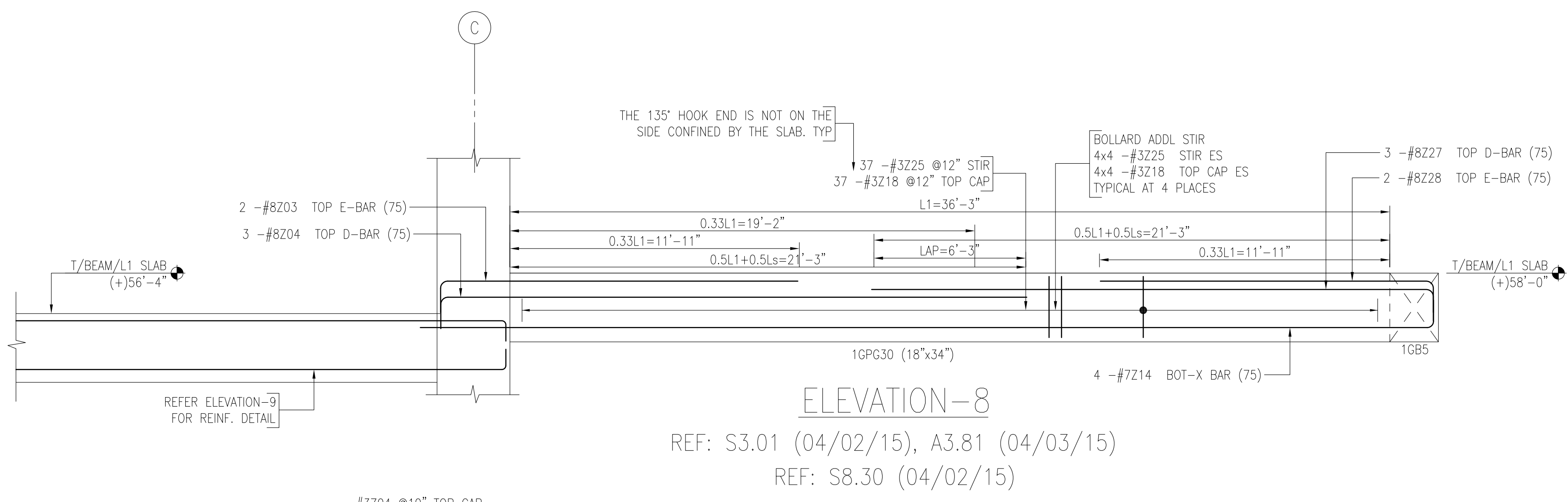
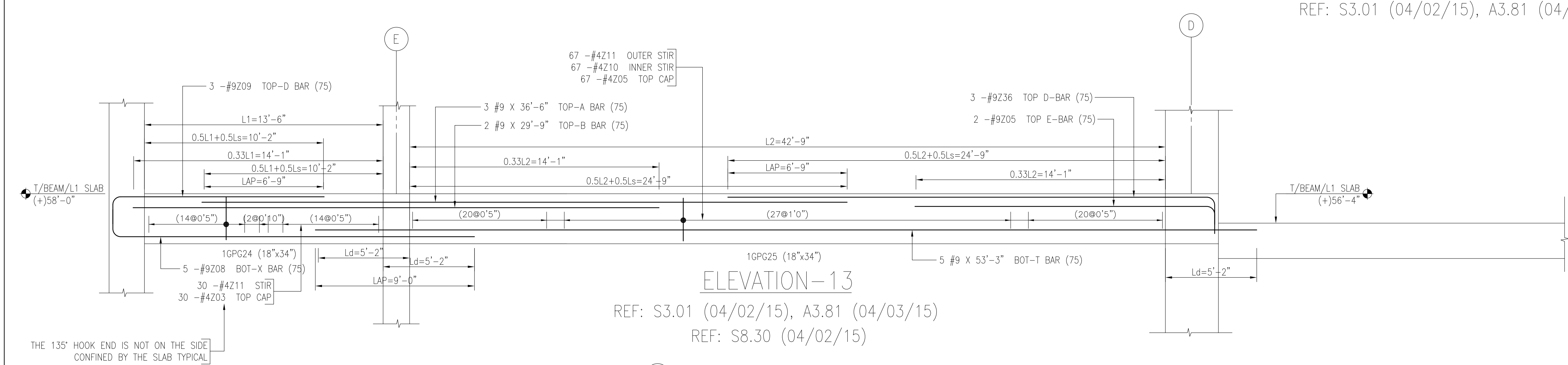
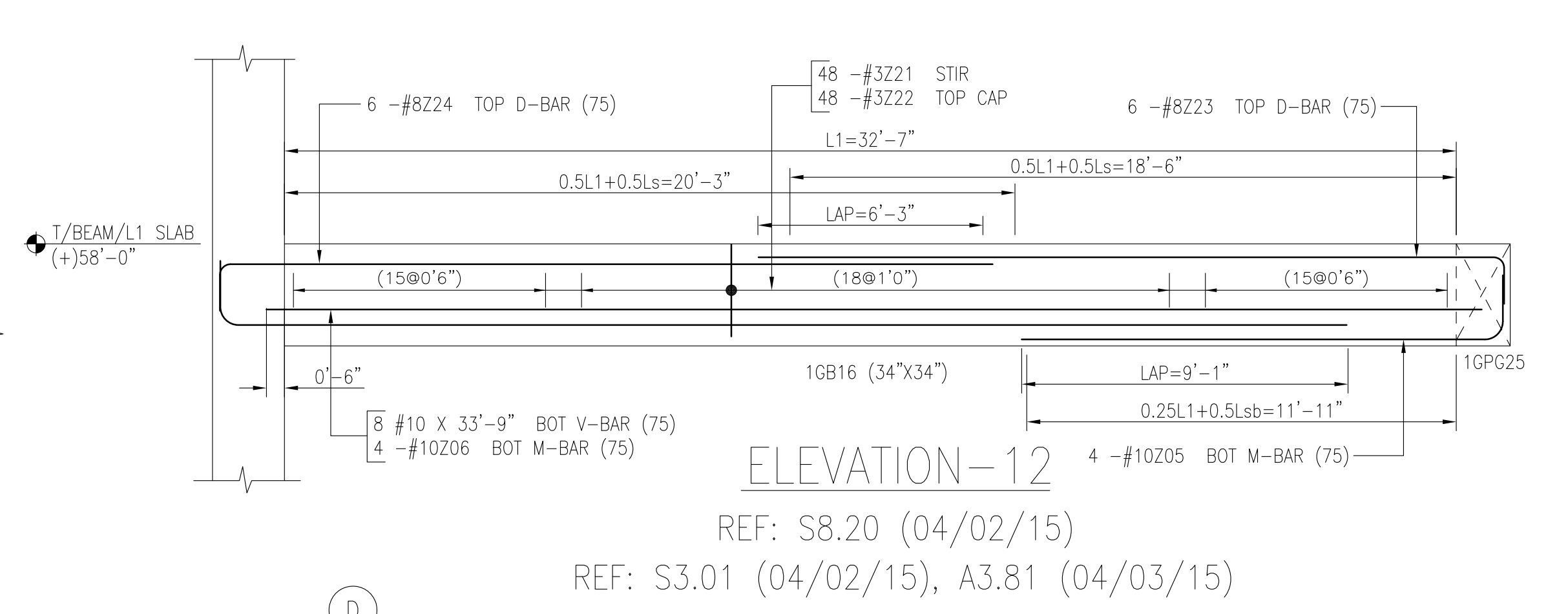
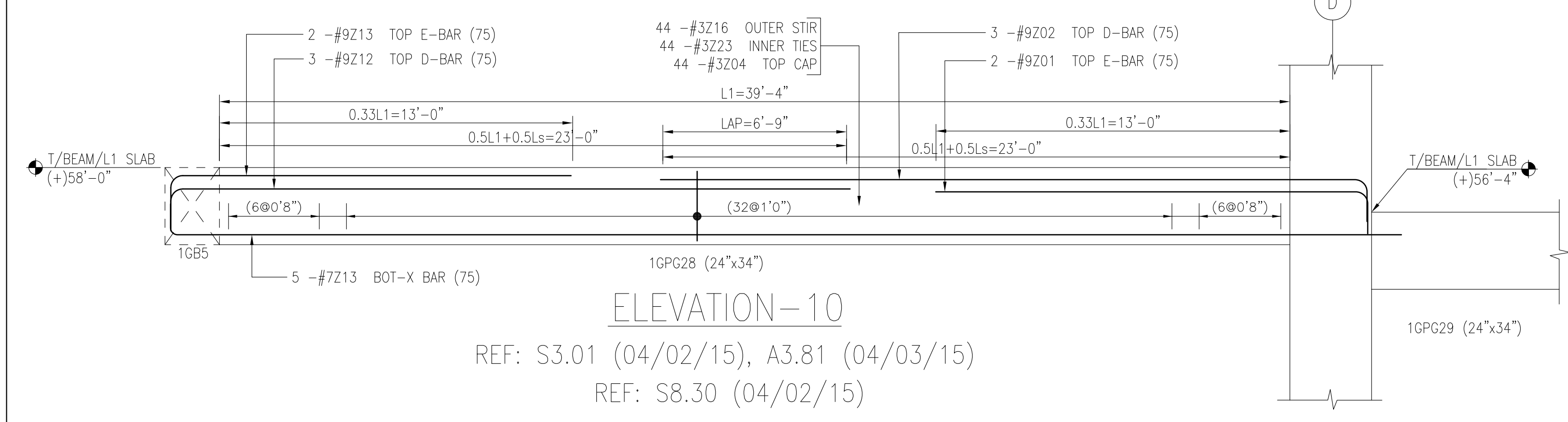
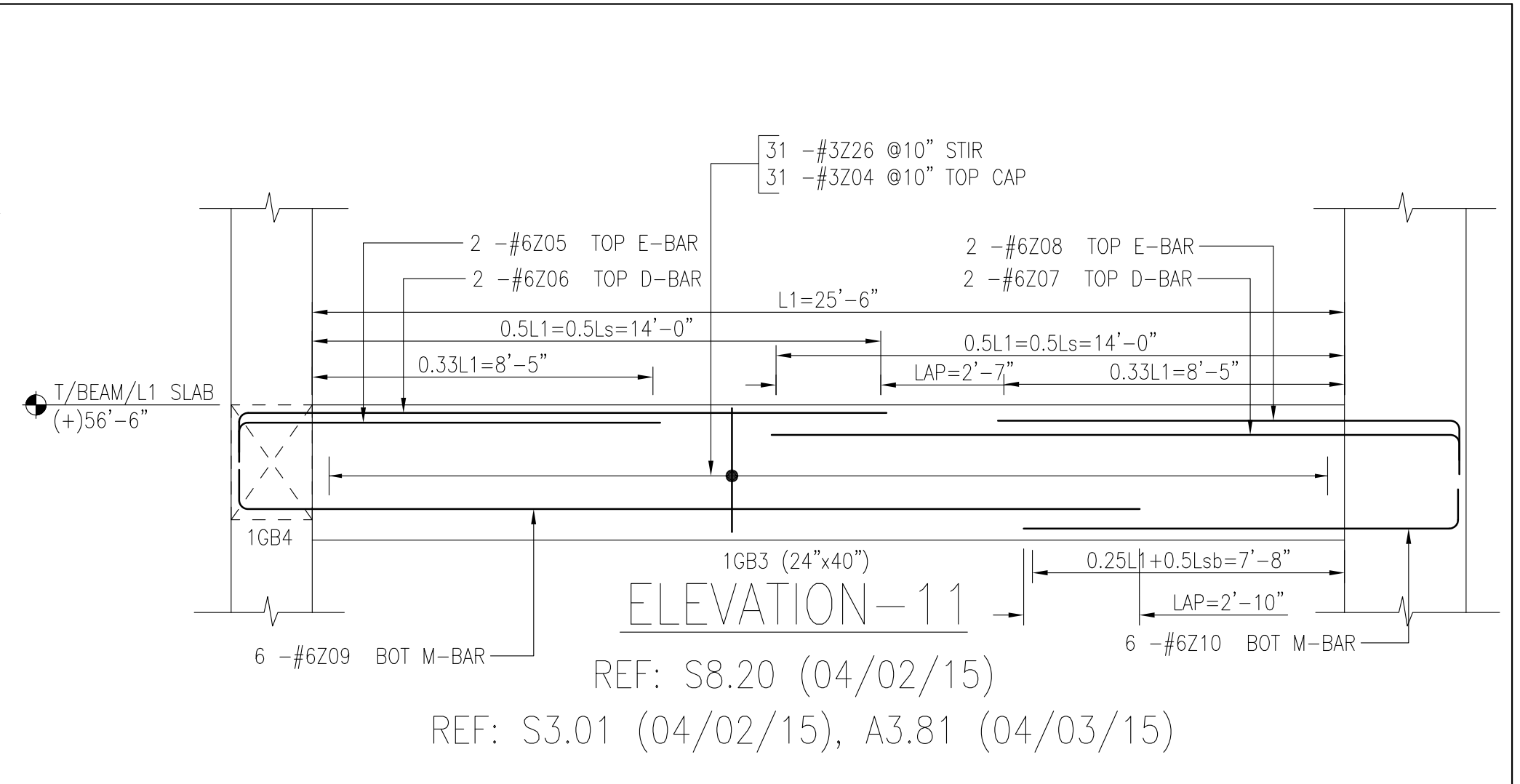
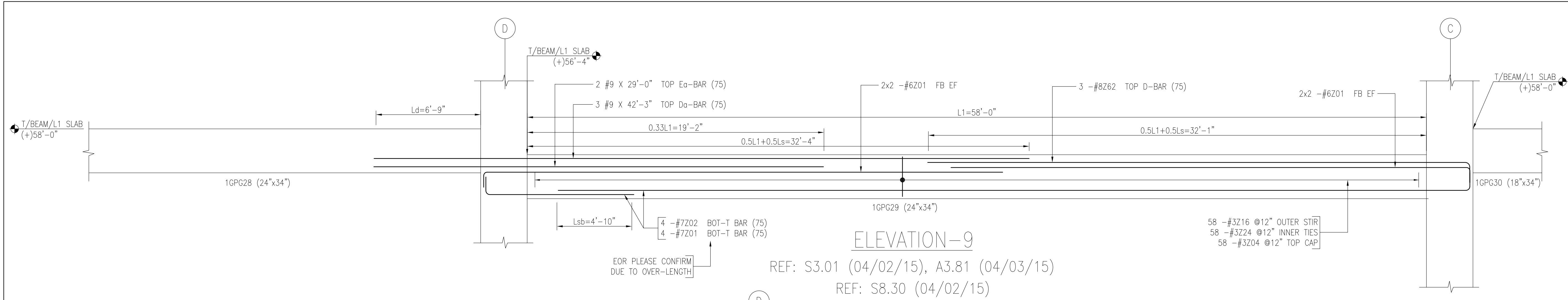
REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O

Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face
V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

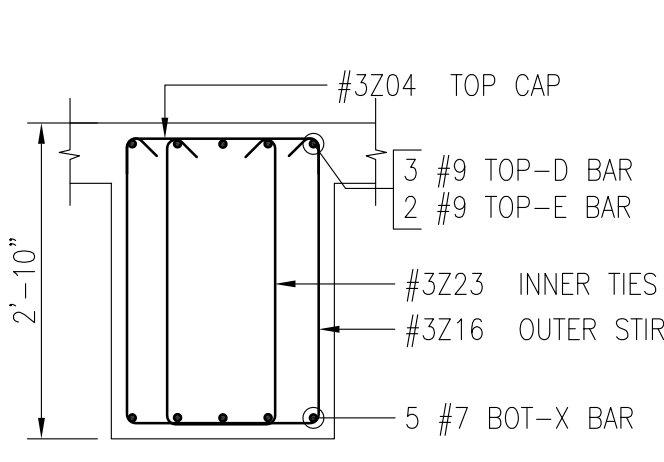
REINFORCING STEEL PLACING DRAWINGS MUST ONLY BE USED IN CONJUNCTION WITH PROJECT CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.

03/10/15	0	APPROVAL	03/10/15	APPROVAL
DATE	REV	DESCRIPTION	DATE	SENT FOR
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543				
PROJECT AMEGY BANK				
LOCATION HOUSTON, TEXAS				
ARCHITECT				
ENGINEER				
CUSTOMER				
Drawn By: ROH	Date: 03/10/15	Reviewed By: ROH	Job No.	
Drawing Covers: NORTH AREA LVL 1 SLAB & BEAMS			Drawing no. R142C	

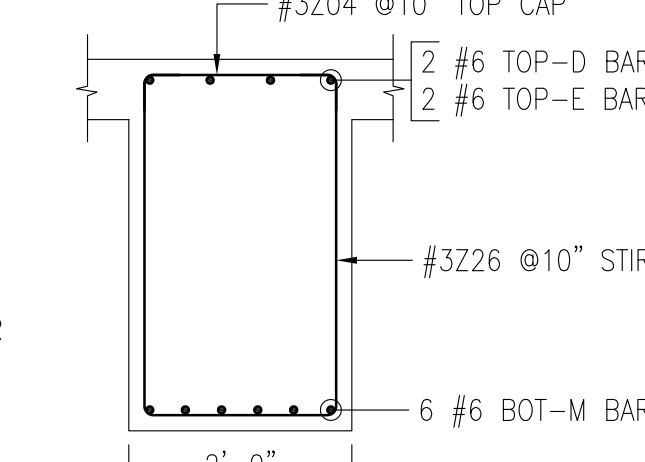




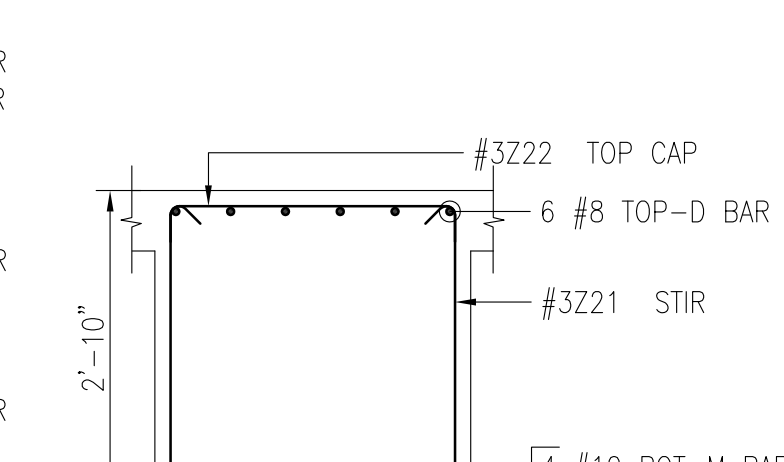
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REF: S8.30 (04/02/15)



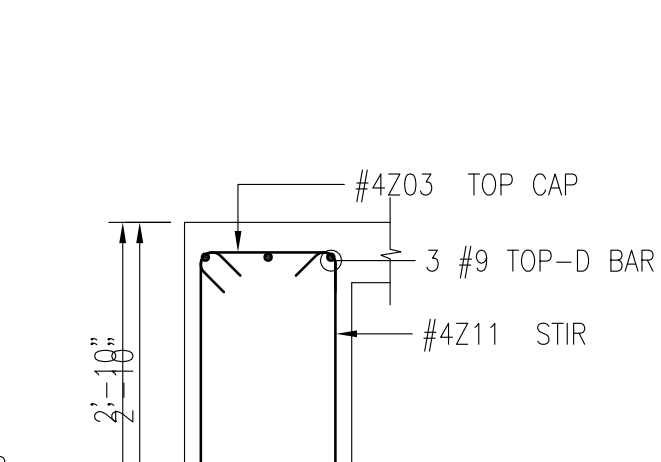
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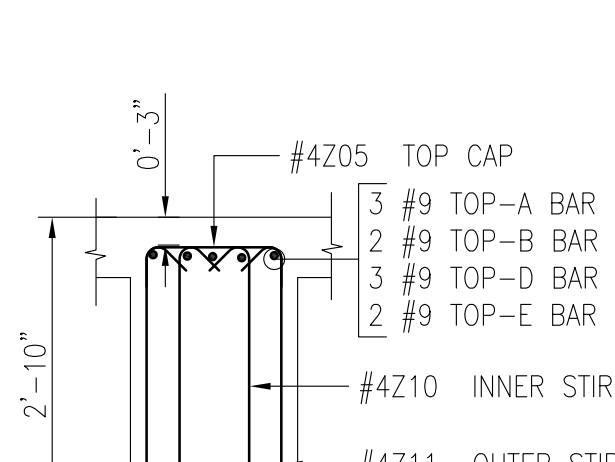
1GB3 DETAIL
REF: S8.20 (04/02/15)



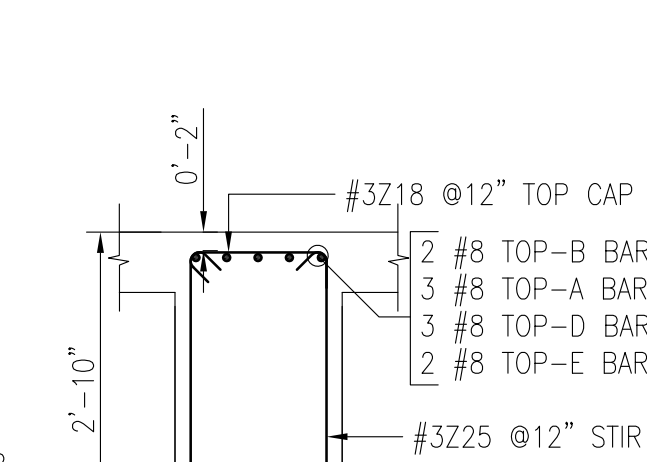
1GB16 DETAIL
REF: S8.20 (04/02/15)



1GPG24 DETAIL
REF: S8.30 (04/02/15)



1GPG25 DETAIL
REF: S8.30 (04/02/15)



1GPG30 DETAIL
REF: S8.30 (04/02/15)

Release Code: R144										BENDING DETAILS.														
Bar Mark	Qty	Size	total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'	N'	O'	P'				
3204	133	#3	25'55		04"	19"					04"													
3216	102	#3	77'53		04"	27"	19"	27"			04"													
3218	53	#3	111'19		04"	13"					04"													
3221	48	#3	85'53		04"	27"	27"	27"			04"													
3222	48	#3	33'55		04"	27"					04"													
3223	44	#3	6'10'53		04"	27"	10"	27"			04"													
3224	58	#3	69'5'53		04"	27"	0'11'5"	27"			04"													
3225	53	#3	70'53		04"	26'5"	13"	26'5"			04"													
3226	31	#3	87'56		04"	31"	19"	31"			04"													
4203	30	#4	20'19		04'5"	13"					04'5"													
4205	67	#4	20'55		04'5"	13"					04'5"													
4210	67	#4	64'53		04'5"	25'5"	08"	25'5"			04'5"		03"											
4211	97	#4	61'53		04'5"	25'5"	13"	25'5"			04'5"		03"											
6201	8	#6	34'6'2		10"	33'6"																		
6205	2	#6	115'2		10"	10'5"																		
6206	2	#6	170'2		10"	16'0"																		
6207	2	#6	180'2		10"	17'0"																		
6208	2	#6	125'2		10"	11'5"																		
6209	6	#6	233'2		10"	22'3"																		
6210	6	#6	119'2		10"	10'9"																		
7201	4	#7	10'9'2		12"	9'7"																		
7202	4	#7	60'0'2		12"	58'10"																		
7213	5	#7	46'5'2		12"	45'3"																		
7214	4	#7	42'11'2		12"	41'9"																		
8203	2	#8	16'1'2		14"	14'9"																		
8204	3	#8	25'6'2		14"	24'2"																		
8223	6	#8	22'1'2		14"	20'9"																		
8224	6	#8	22'10'2		14"	21'6"																		
8227	3	#8	24'6'2		14"	23'2"																		
8228	2	#8	15'1'2		14"	13'9"																		
8262	3	#8	36'4'2		14"	35'0"																		
9201	2	#9	17'6'2		17"	15'11"																		
9202	3	#9	27'7'2		17"	26'9"																		
9205	2	#9	18'7'2		17"	17'0"																		
9208	5	#9	22'1'2		17"	20'6"																		
9209	3	#9	13'7'2		17"	12'0"																		
9212	3	#9	26'7'2		17"	25'0"																		
9213	2	#9	16'4'2		17"	14'9"																		
9236	3	#9	29'2'2		17"	27'7"																		
10205	4	#10	15'3'2		18"	13'5"																		
10206	4	#10	33'2'2		18"	31'4"																		
S15					S6					T9					02					S3				

All Bars #6 & smaller are Grade 60, ASTM 615 Uncoated U.N.O.

All Bars #7 & larger are Grade 75, ASTM 615 Uncoated U.N.O.

REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O.

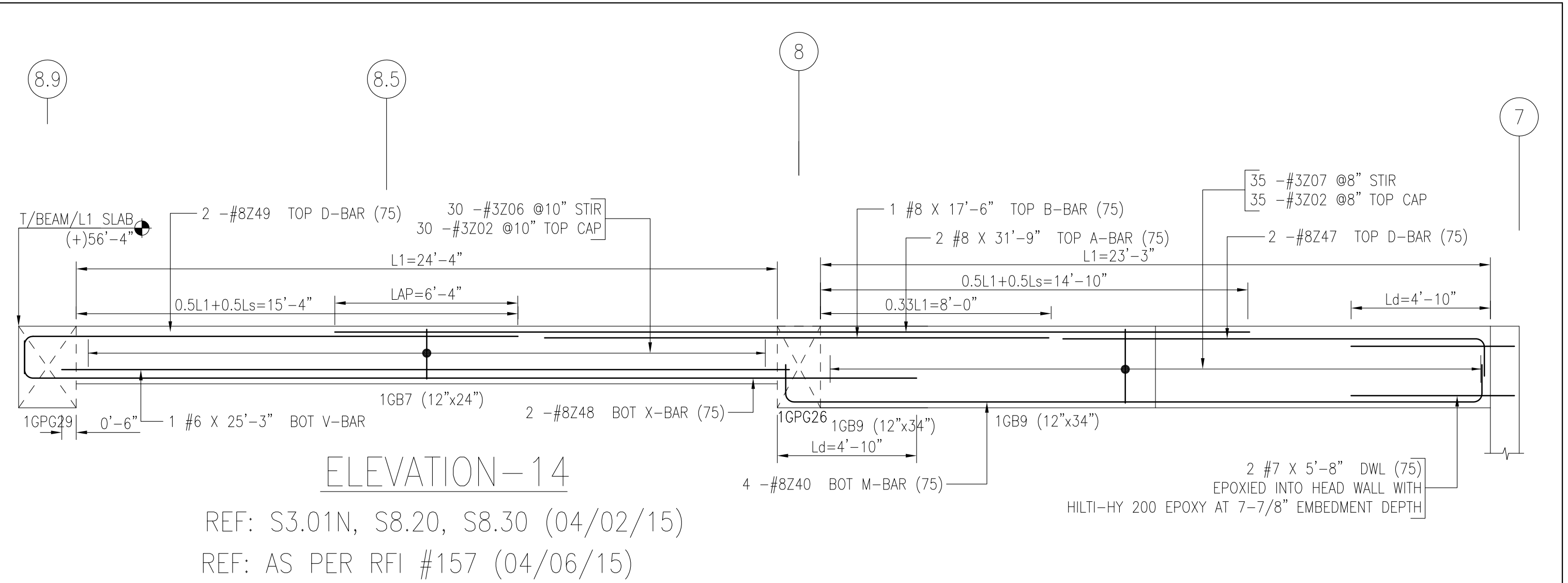
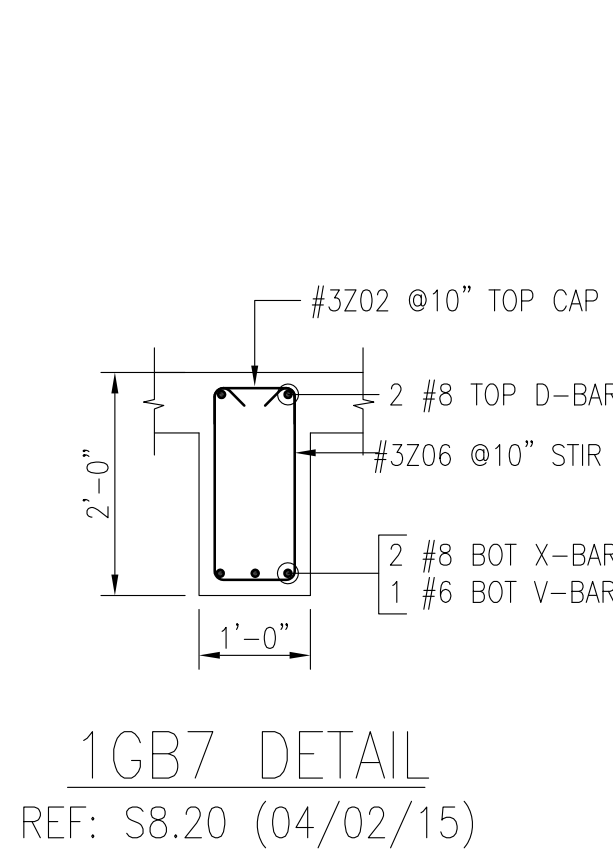
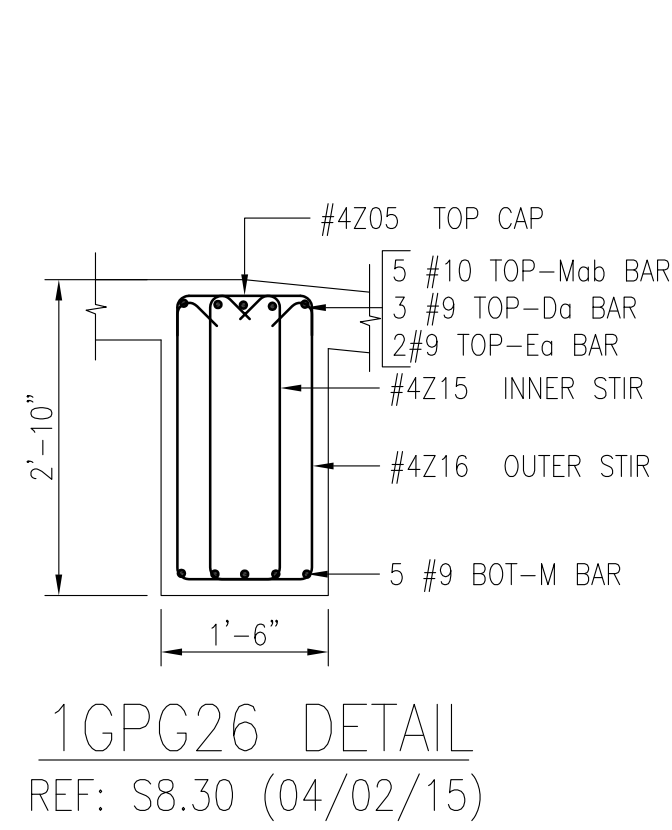
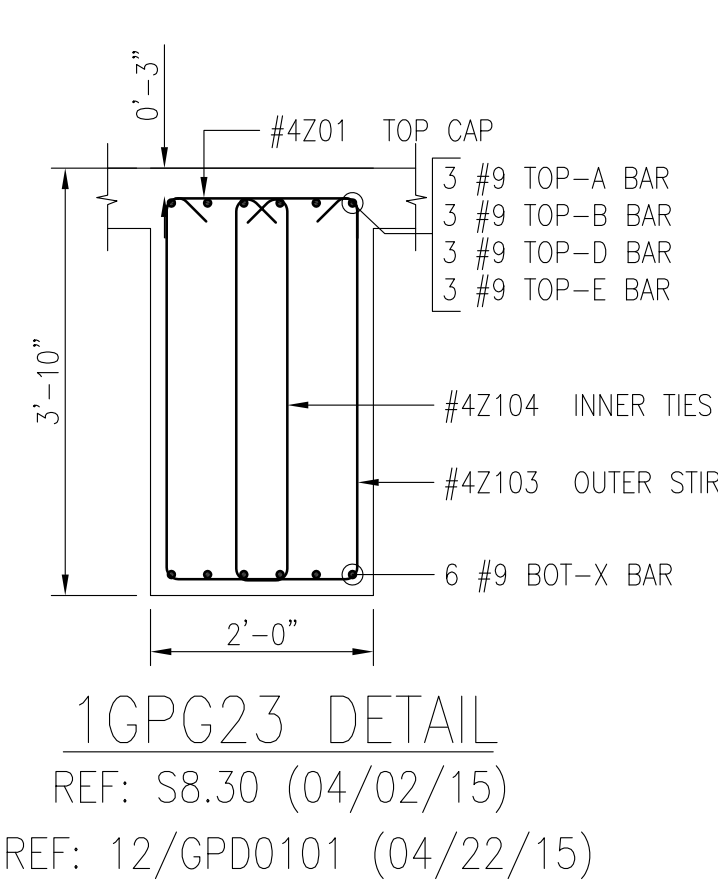
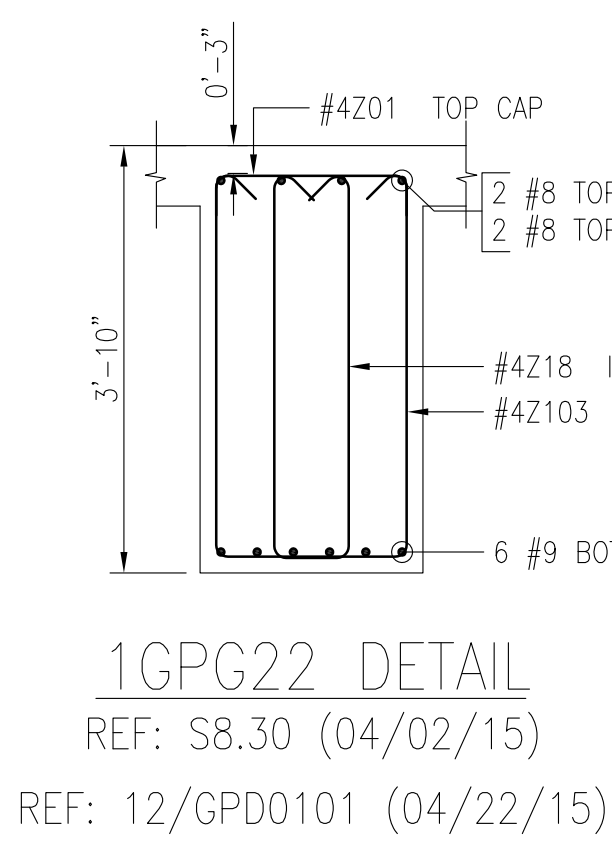
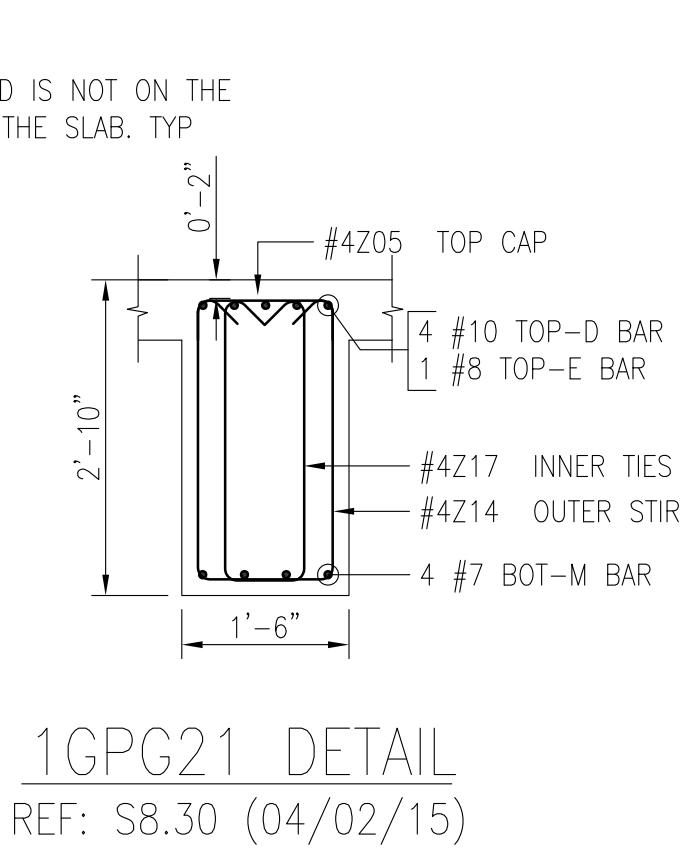
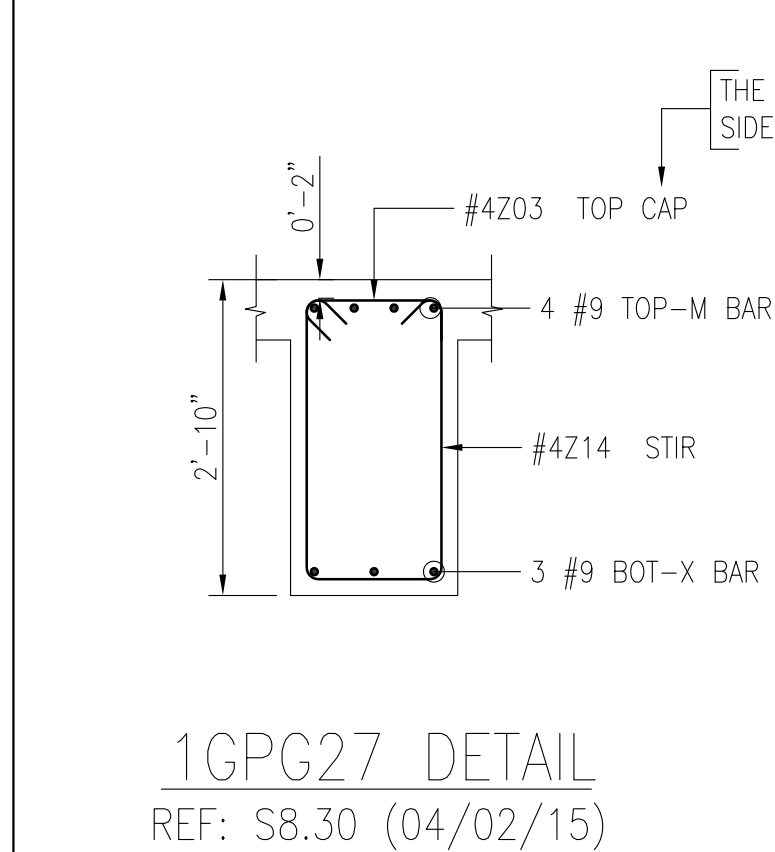
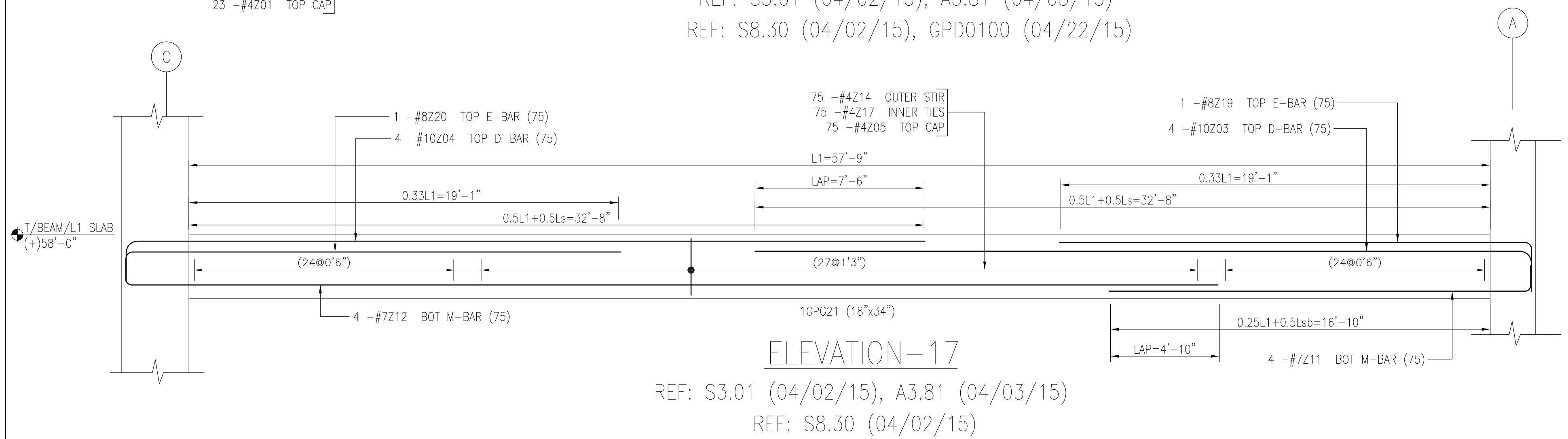
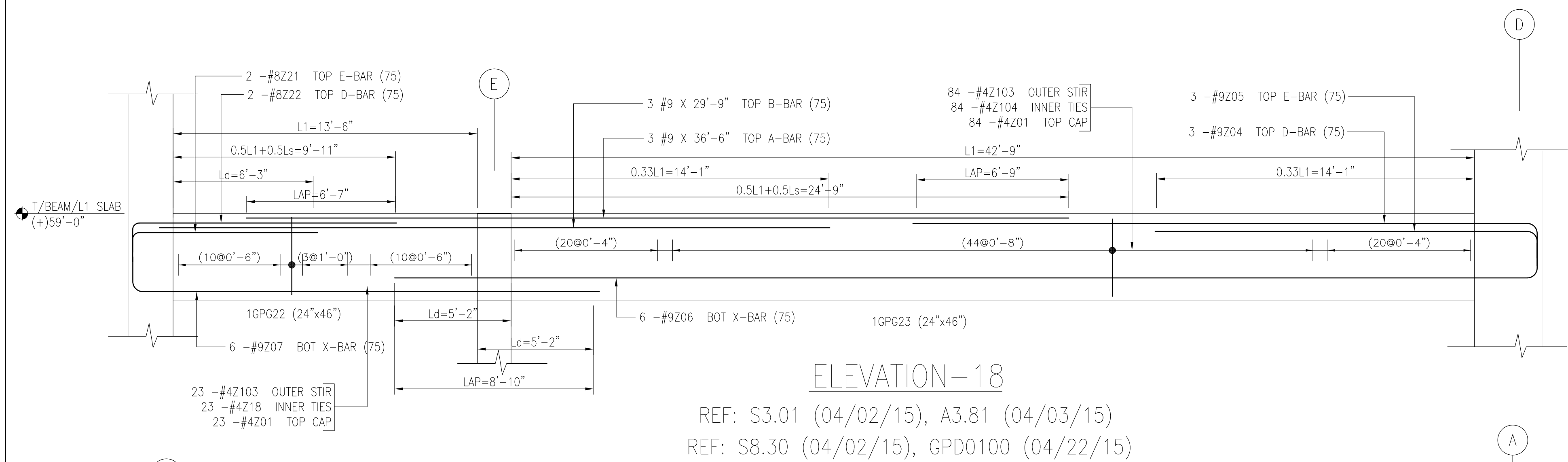
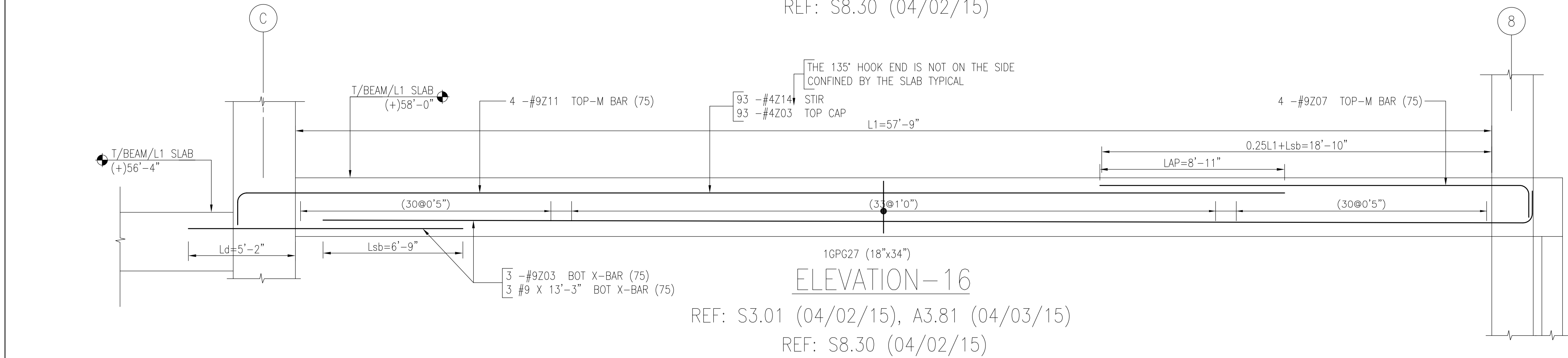
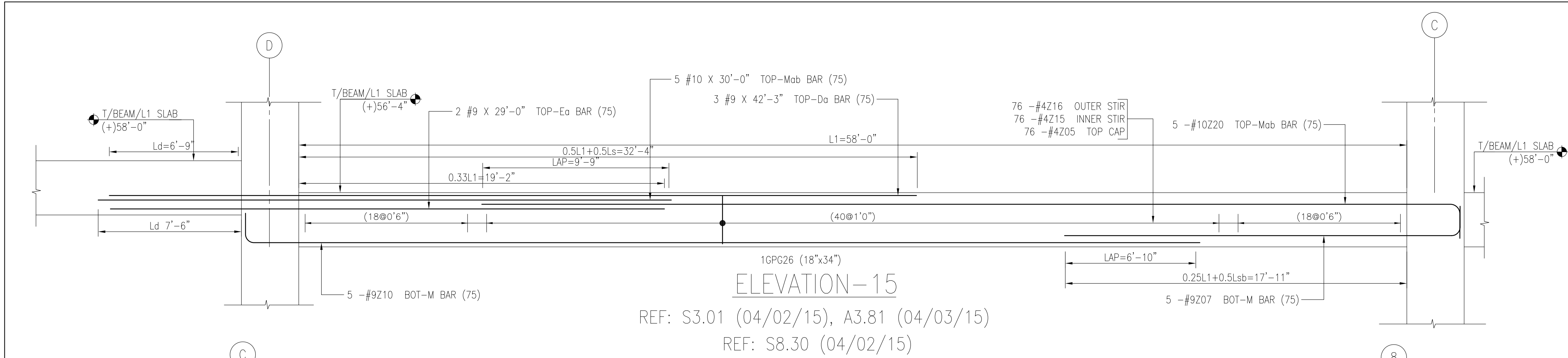
Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face
V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

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

03/10/15	0	APPROVAL	03/10/15	APPROVAL
DATE	REV.	DESCRIPTION	DATE	SENT FOR

Rebar Lab, LLC
2304 Tulson Lane,
Bowie MD 20721
Phone #240-786-6543

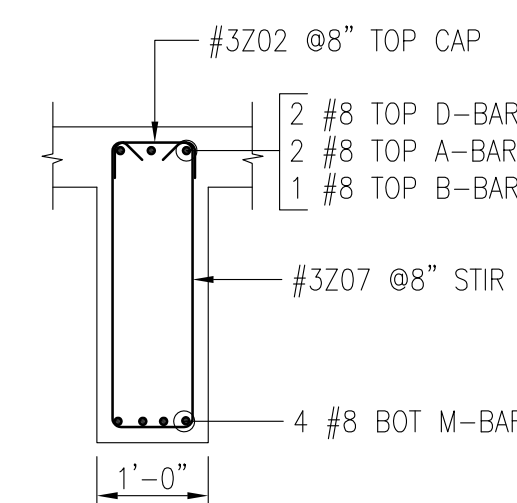
PROJECT	AMEGY BANK		
LOCATION	HOUSTON, TEXAS		
ARCHITECT			
ENGINEER			
CUSTOMER			
Drawn By: ROH	Date: 03/10/15	Reviewed By: ROH	Job No.
Drawing Covers:	NORTH AREA LVL 1 SLAB & BEAMS	Drawing no.	R144



Release Code: R145				BENDING DETAILS.																			
Bar Mark	Qty	Size	Total Length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'	N'	O'	P'	Q'	R'	
3202	65	#3	15'	S5	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
3206	30	#3	4'	S3	0"	1"	0"	0"	1"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
3207	35	#3	6'	S3	0"	2"	0"	0"	2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4201	107	#4	26'	S5	0 1/2"	1"	0"	0"	1"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4203	93	#4	20'	S5	0 1/2"	1"	0"	0"	1"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4205	151	#4	20'	S5	0 1/2"	1"	0"	0"	1"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4214	168	#4	7'	S3	0 1/2"	2 1/2"	13"	26 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4215	76	#4	6'	S3	0 1/2"	2 1/2"	0"	27"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4216	76	#4	70 1/2"	S3	0 1/2"	2 1/2"	13"	26 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4217	75	#4	6'	S3	0 1/2"	2 1/2"	0"	26 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4218	23	#4	84 1/2"	S3	0 1/2"	35 1/2"	08 1/2"	35 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4219	107	#4	95'	S3	0 1/2"	35 1/2"	1"	35 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
4219	84	#4	82'	S3	0 1/2"	35 1/2"	0 6"	35 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
7211	4	#7	19'	S2	12"	18 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
7212	4	#7	49'	S2	12"	48 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8219	1	#8	22'	S2	14"	21 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8220	1	#8	23'	S2	14"	22 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8221	2	#8	97'	S2	14"	83"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8222	2	#8	13'	S2	14"	119"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8240	4	#8	26'	S2	14"	24 3/4"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8247	2	#8	16'	S2	14"	14 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8248	2	#8	32'	S2	14"	31 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
8249	2	#8	18'	S2	14"	17 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
9203	3	#9	60'	S2	17"	58 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
9204	3	#9	29'	S2	17"	27 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
9205	3	#9	18'	S2	17"	17 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
9206	6	#9	52'	S2	17"	50 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
9207	15	#9	22'	S2	17"	20 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
9210	5	#9	51'	S2	17"	50 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
9211	4	#9	52'	S2	17"	50 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
10203	4	#10	36'	S2	19"	34 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
10204	4	#10	37'	S2	19"	35 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
10220	5	#10	53'	S2	19"	51 1/2"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	0"	
				A		B		C		D		E		F		G		H		I		J	
				S15		S6		T9		O2		S3											

All Bars #6 & smaller are Grade 60, ASTM 615 Uncoated U.N.O.

All Bars #7 & larger are Grade 75, ASTM 615 Uncoated U.N.O.



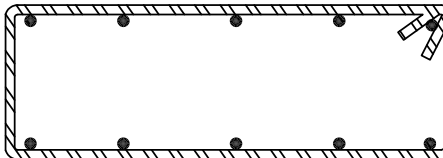
1GB9 DETAIL
REF: S8.20 (04/02/15)

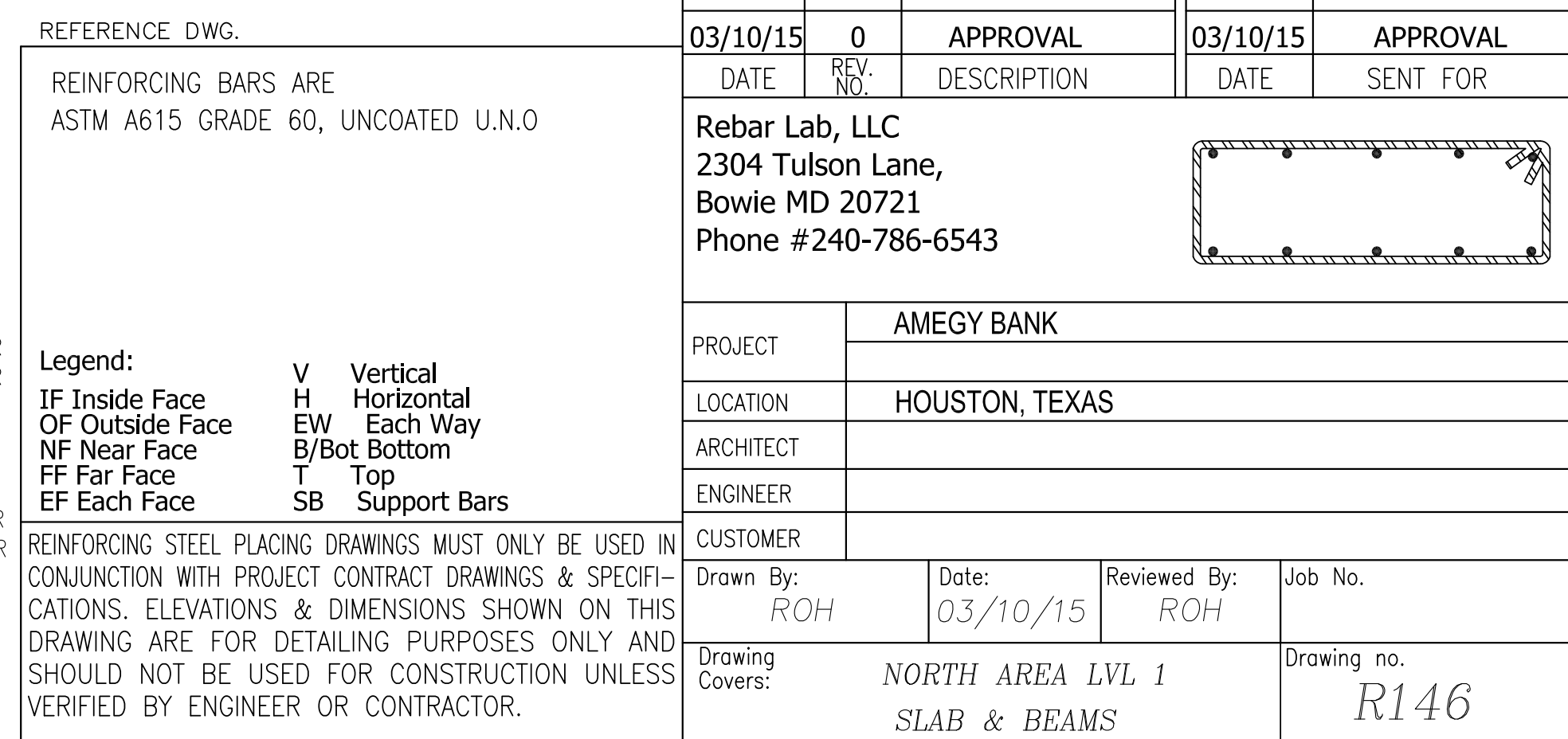
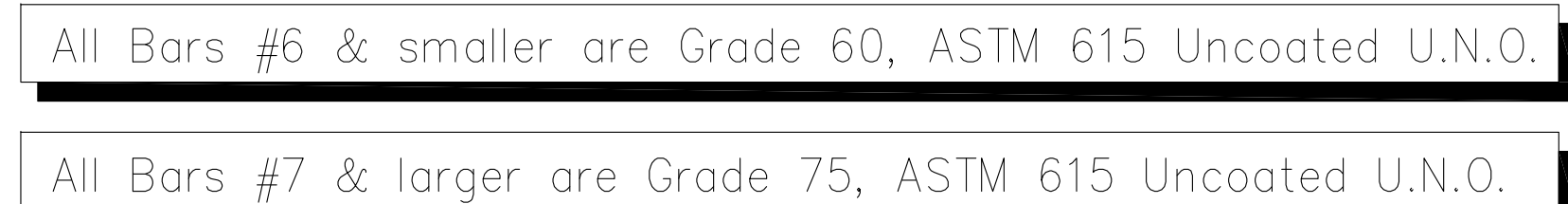
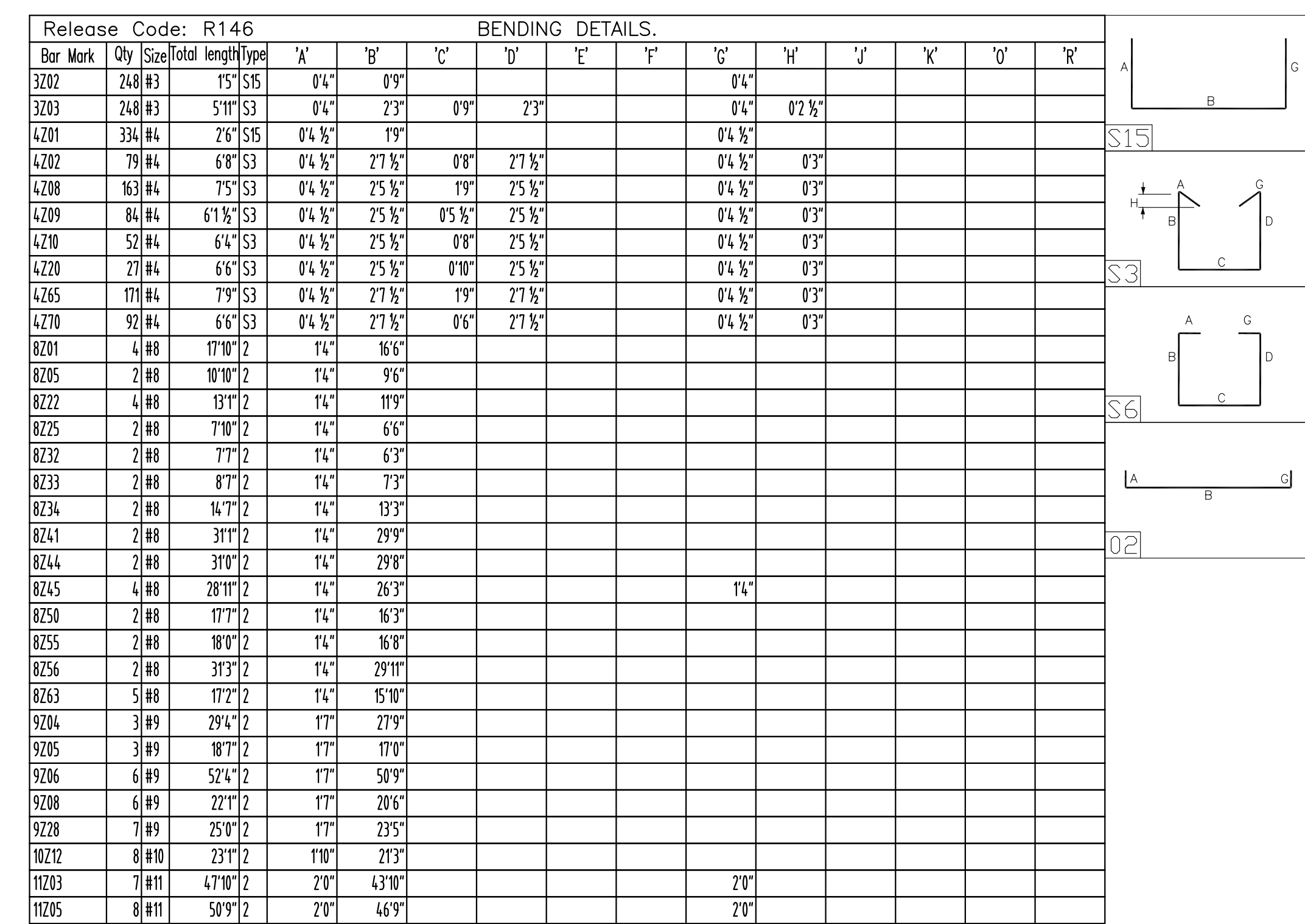
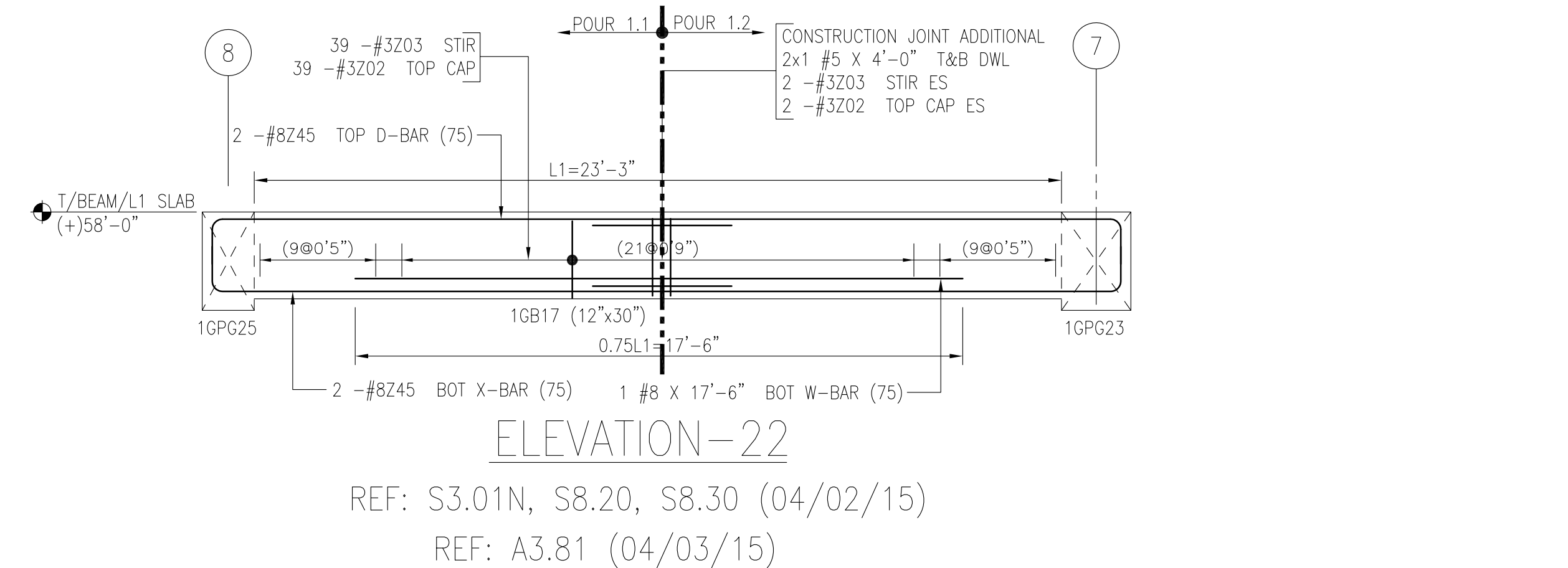
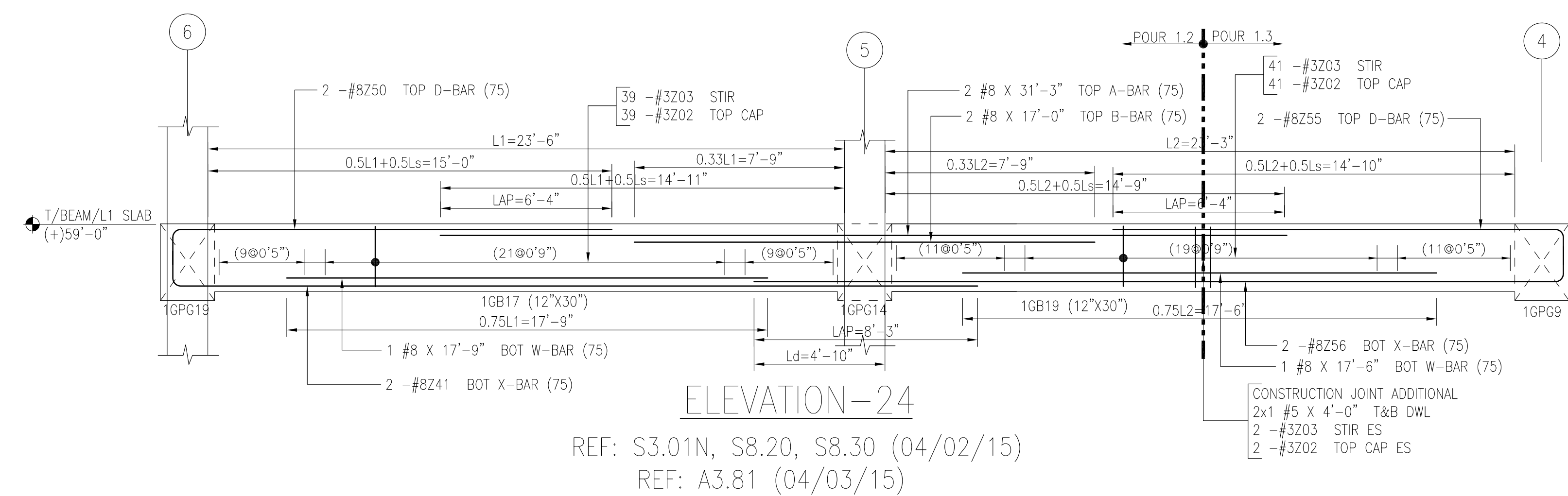
REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O.

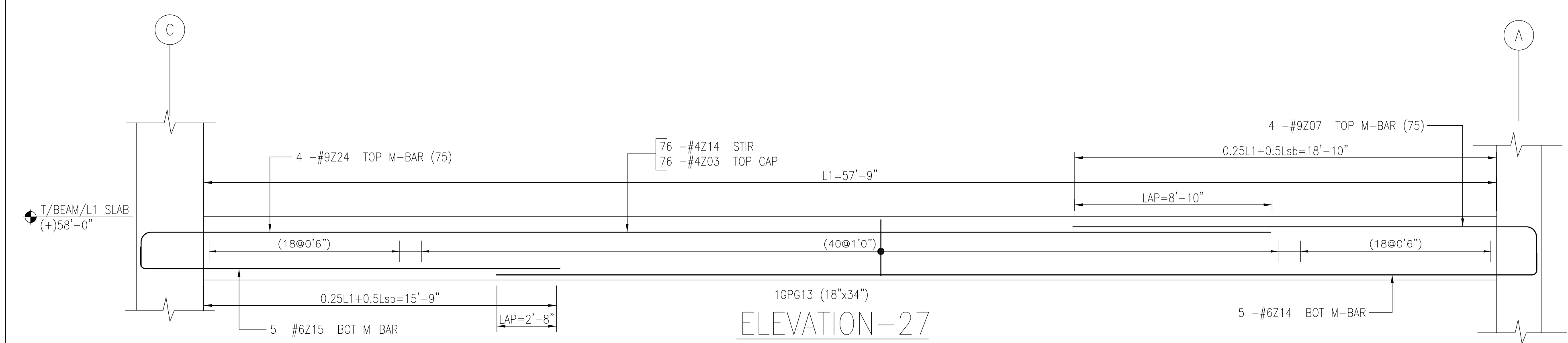
Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face

V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

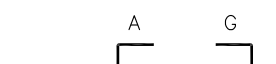
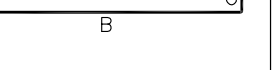
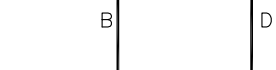
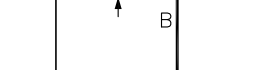
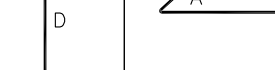
REINFORCING STEEL PLACING DRAWINGS MUST ONLY BE USED IN
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FICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS
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03/10/15	0	APPROVAL	03/10/15	APPROVAL	
DATE	REV NO.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
					
PROJECT		AMEGY BANK			
LOCATION		HOUSTON, TEXAS			
ARCHITECT					
ENGINEER					
CUSTOMER					
N S D S	Drawn By: <i>ROH</i>		Date: <i>03/10/15</i>	Reviewed By: <i>ROH</i>	Job No.
Drawing Covers:		NORTH AREA LVL 1 SLAB & BEAMS			Drawing no. <i>R145</i>

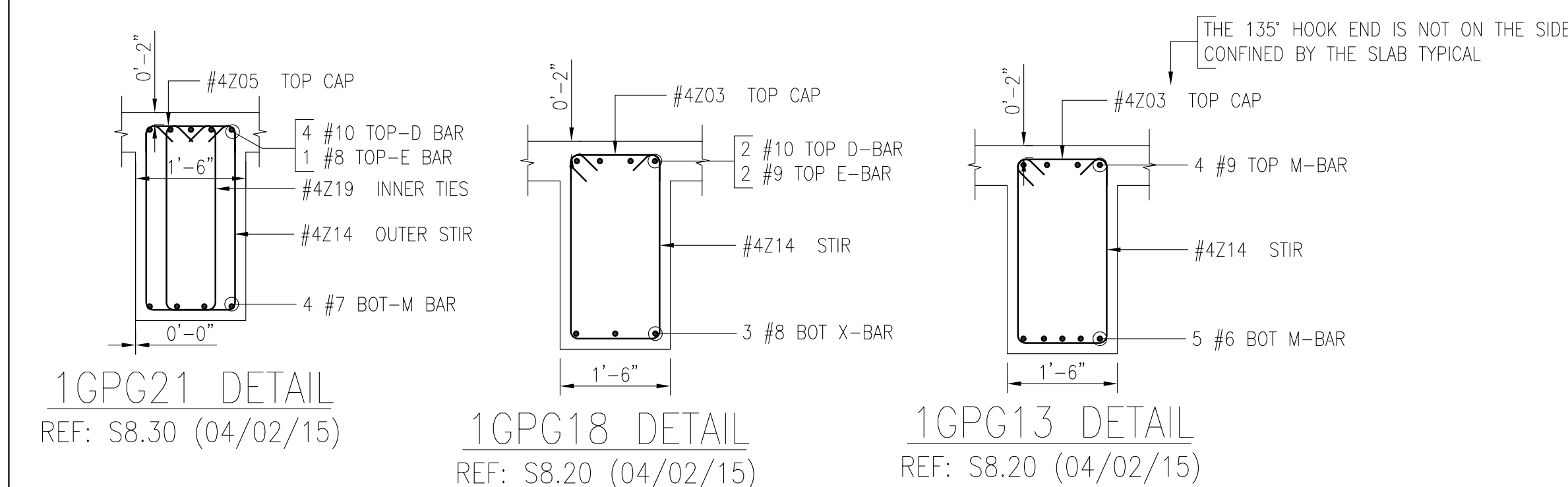




Release Code: R149			BENDING DETAILS.													
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	J'	K'	O'	W'
3201	36	#3	71'0"	S5	0'4"	13'					0'4"					
3202	109	#3	15'5"	S5	0'4"	0'9"					0'4"					
3206	58	#3	4'11"	S3	0'4"	1'9"	0'9"	1'9"			0'4"	0'2 1/2"				
3207	61	#3	6'7"	S3	0'4"	2'7"	0'9"	2'7"			0'4"	0'2 1/2"				
3208	36	#3	7'1"	S3	0'4"	2'7"	1'3"	2'7"			0'4"	0'2 1/2"				
4201	76	#4	26'5"	S5	0'4 1/2"	1'9"					0'4 1/2"					
4203	189	#4	20'10"	S5	0'4 1/2"	1'3"					0'4 1/2"					
4222	75	#4	71'8 1/2"	S3	0'4 1/2"	2'7"	1'3"	26'8"			0'4 1/2"	0'3"				
4223	76	#4	72'5"	S3	0'4 1/2"	2'7"	1'3"	27'			0'4 1/2"	0'3"				
4224	43	#4	73'5"	S3	0'4 1/2"	27'8"	1'3"	27'8"			0'4 1/2"	0'3"				
4225	76	#4	71'0"	S3	0'4 1/2"	3'3"	0'8"	3'3"			0'4 1/2"	0'3"				
4226	76	#4	9'0"	S3	0'4 1/2"	3'3"	1'9"	3'3"			0'4 1/2"	0'3"				
4276	2	#4	14'8"	2	0'8"	14'0"										
4277	2	#4	23'11"	2	0'8"	23'3"										
5201	92	W5	22'8 1/2"	19	0'5 1/2"	1'3"					0'6"					
5208	92	W5	7'1"	S3	0'5 1/2"	2'5 1/2"	1'3"	2'5 1/2"			0'5 1/2"	0'4"				
7202	3	#7	60'0"	2	1'2"	58'0"										
8201	4	#8	17'0"	2	1'4"	16'6"										
8205	3	#8	10'0"	2	1'4"	9'6"										
8214	4	#8	12'1"	2	1'4"	10'9"										
8219	2	#8	22'4"	2	1'4"	21'0"										
8234	2	#8	14'7"	2	1'4"	13'3"										
8237	3	#8	42'2"	2	1'4"	40'0"										
8238	2	#8	23'8"	2	1'4"	21'4"										
8220	2	#8	38'1"	2	1'4"	36'9"										
8251	4	#8	23'7"	2	1'4"	22'3"										
8254	2	#8	23'8"	2	1'4"	21'0"					1'4"					
8264	2	#8	8'7"	2	1'4"	14'3"										
9220	4	#9	27'1"	2	1'7"	25'6"										
9230	3	#9	23'0"	2	1'7"	19'0"					1'7"					
9234	4	#9	16'0"	2	1'7"	15'3"										
9235	4	#9	39'7"	2	1'7"	38'0"										
9274	5	#10	37'4"	2	1'10"	35'6"										
9278	5	#10	17'4"	2	1'10"	15'6"										
10204	5	#11	27'1"	2	2'0"	25'1"										

 S15	 02	 S6	 S3	 T9
 03	 S4	 08	 30	 17

All Bars #7 & larger are Grade 75, ASTM 615 Uncoated U.N.O.

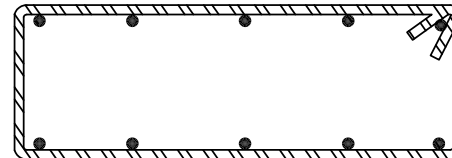


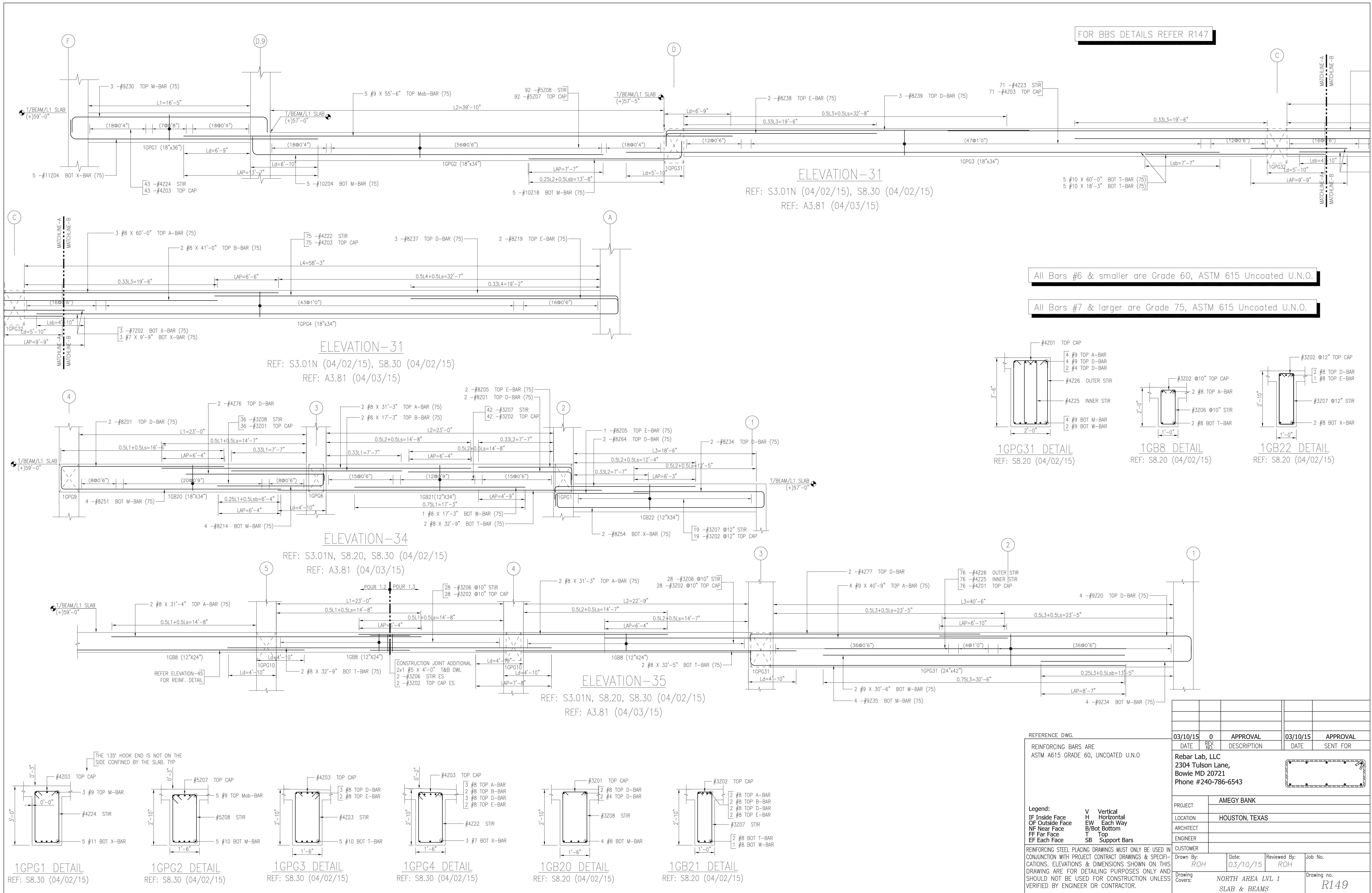
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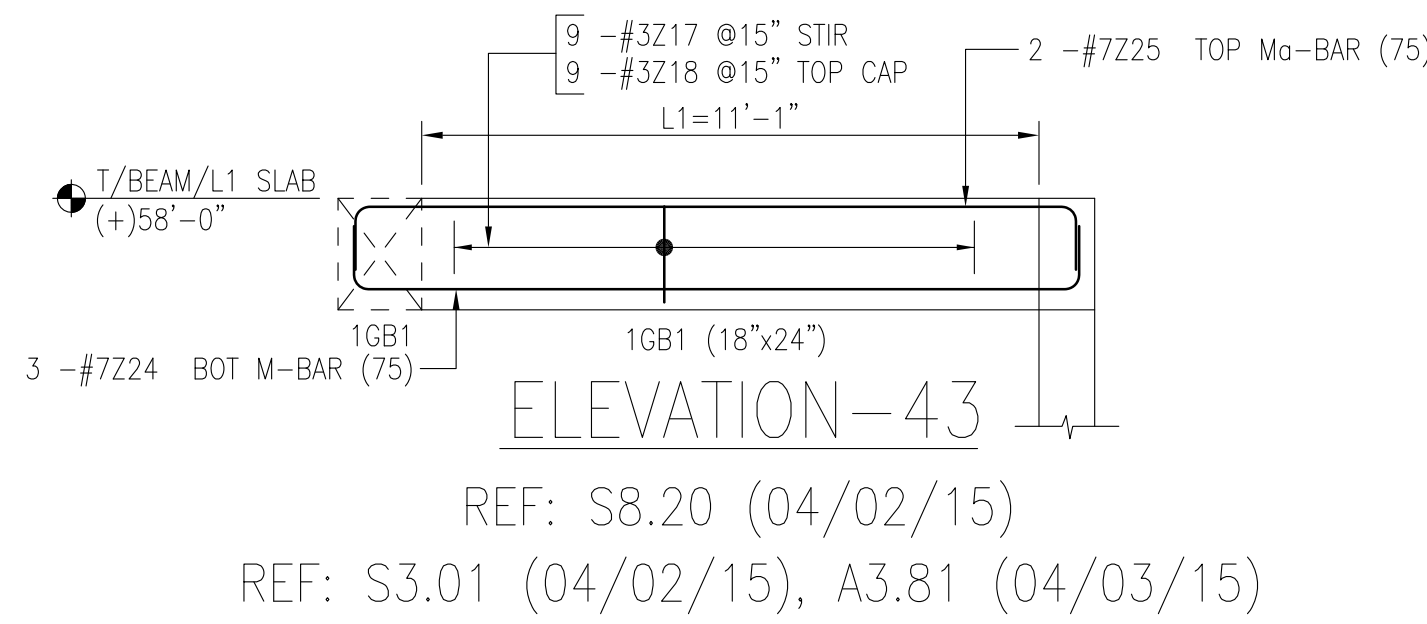
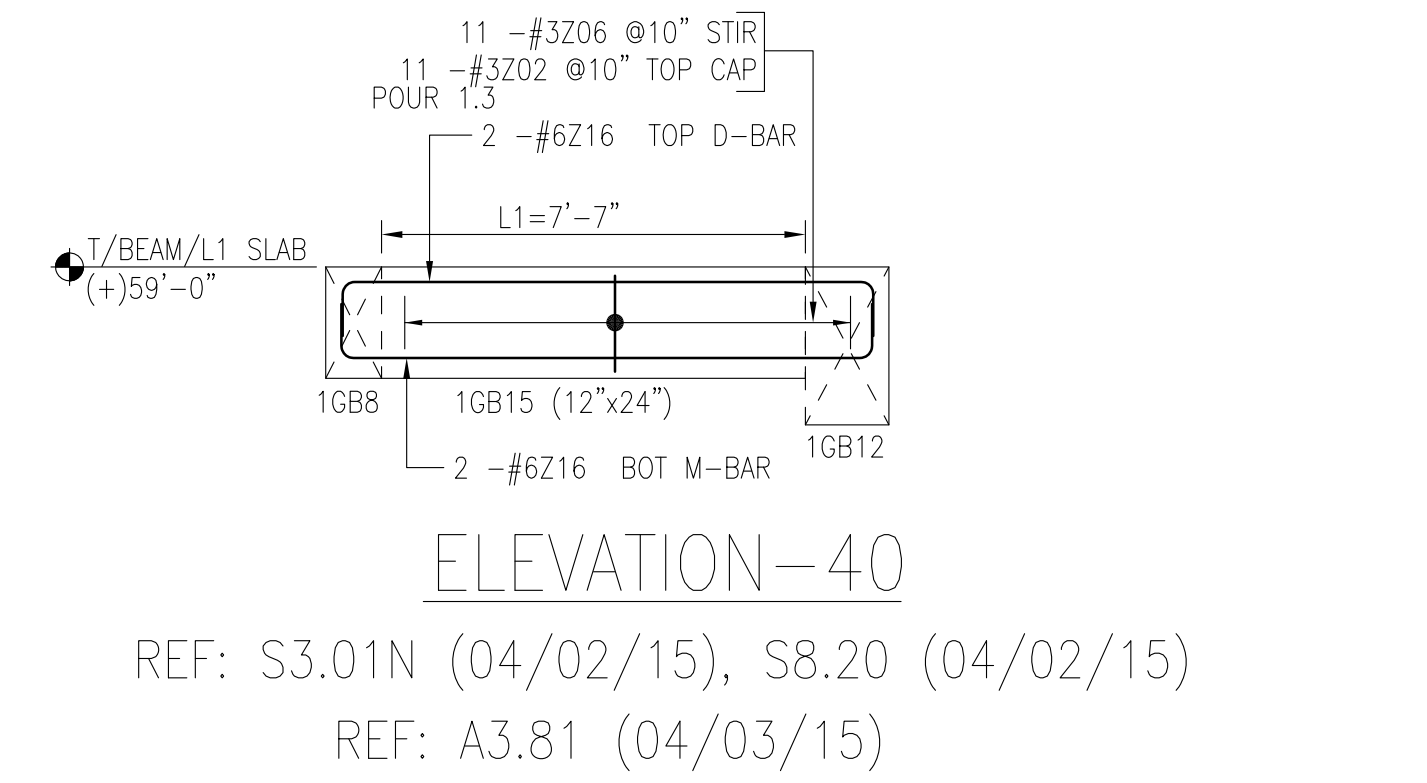
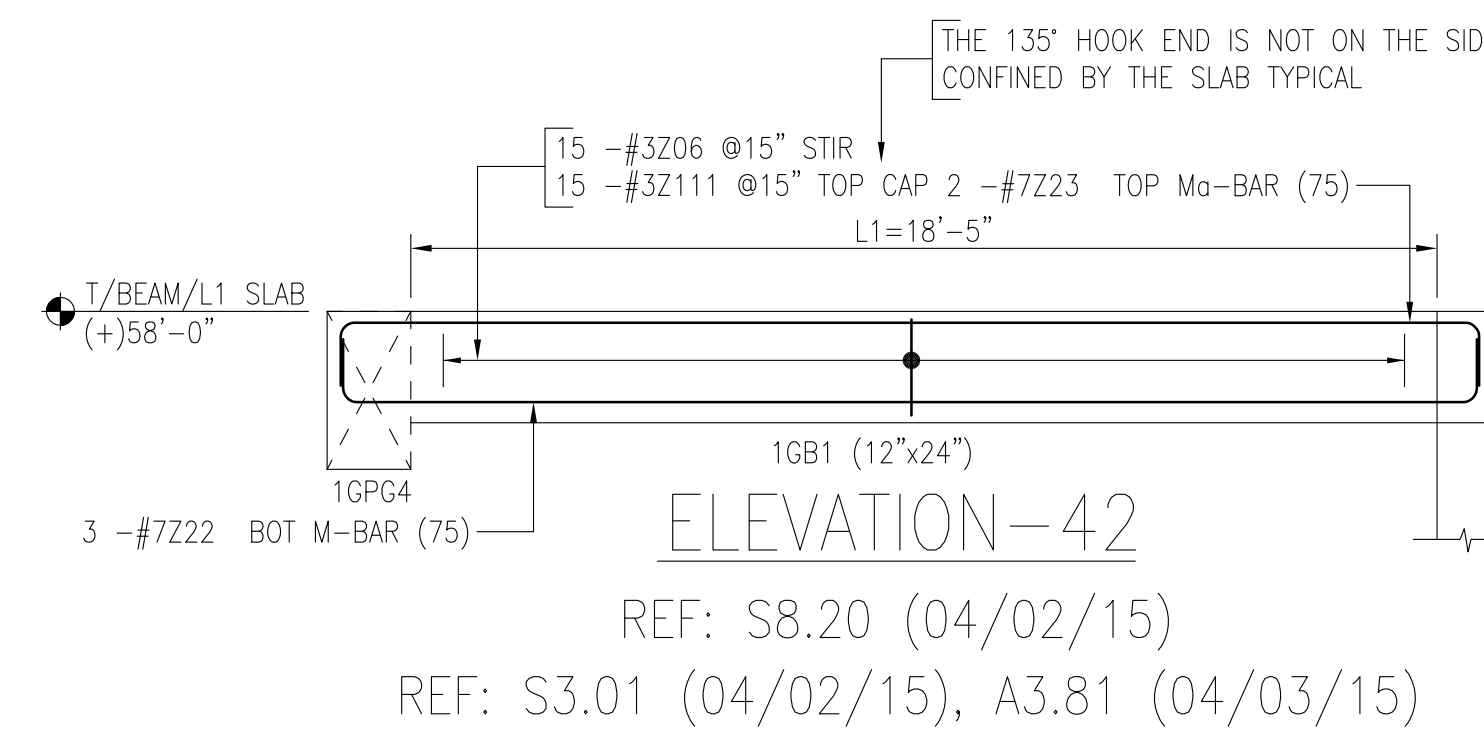
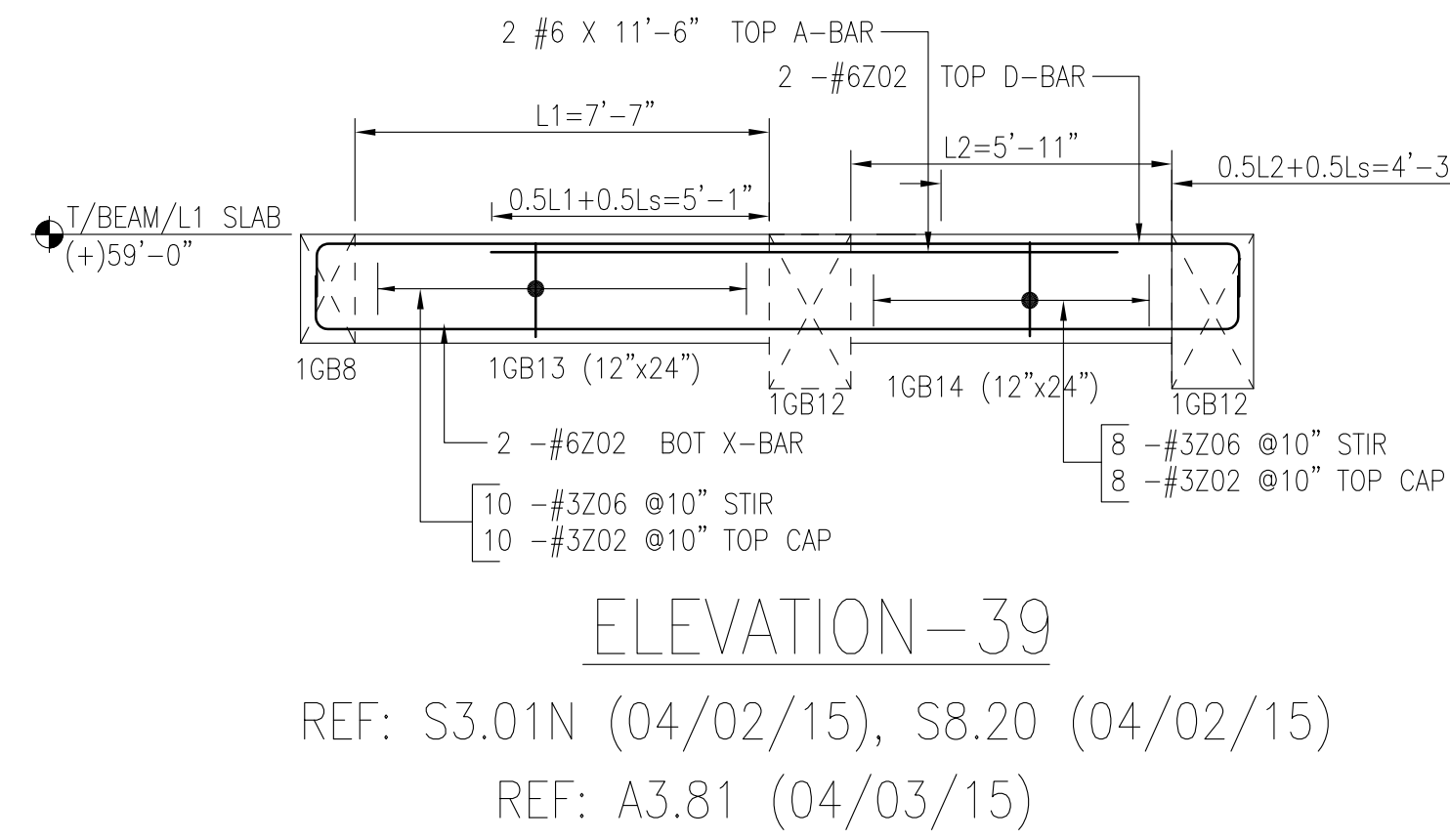
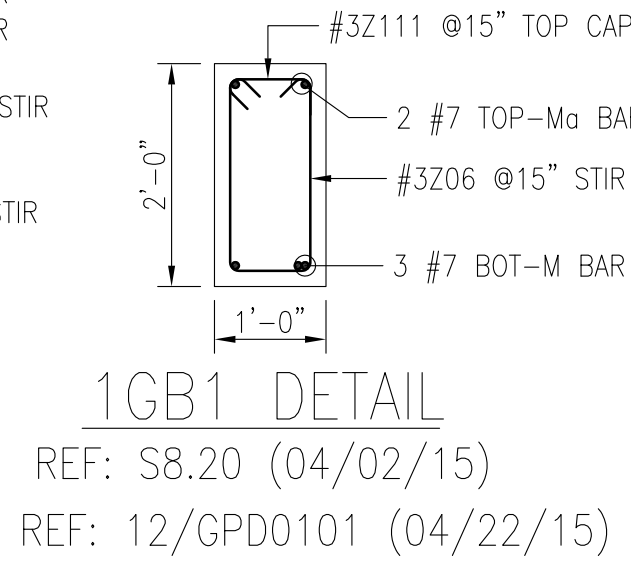
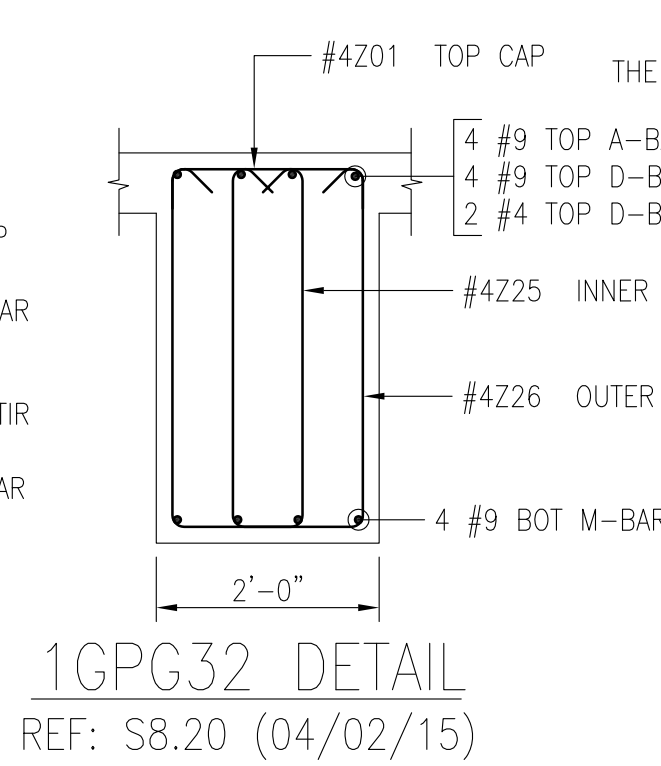
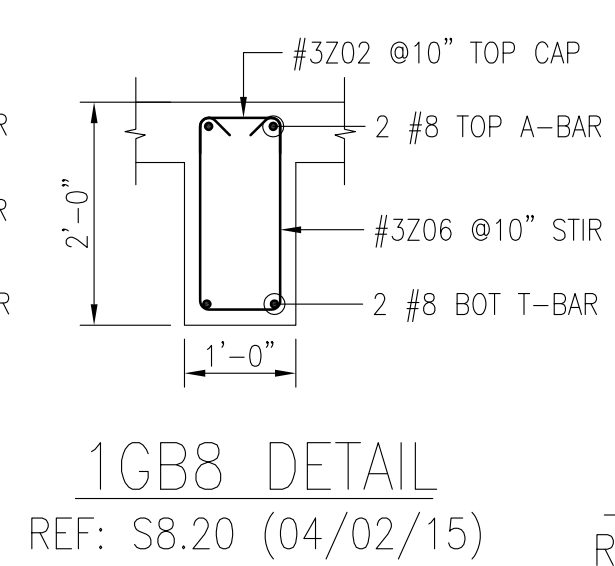
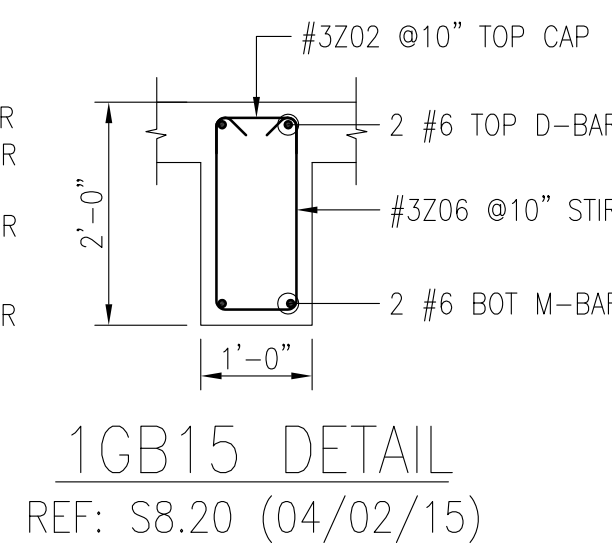
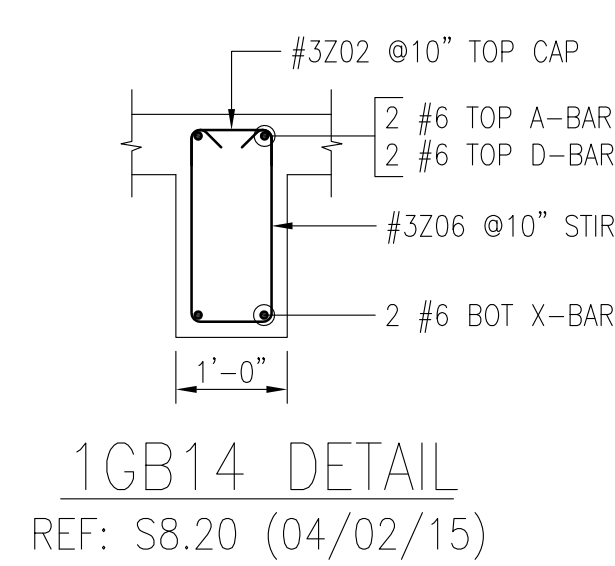
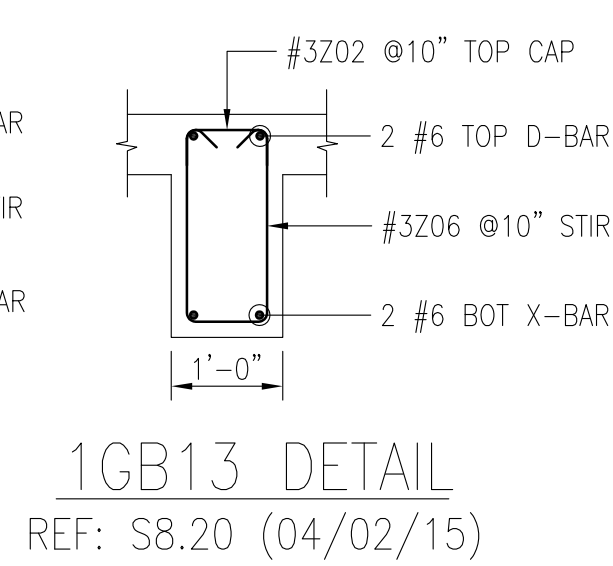
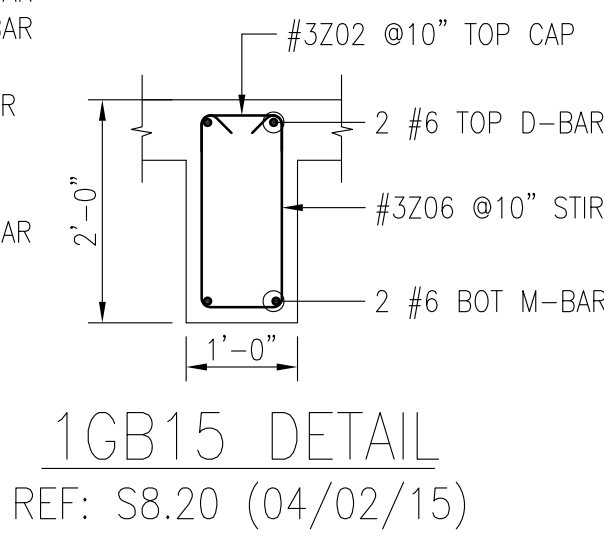
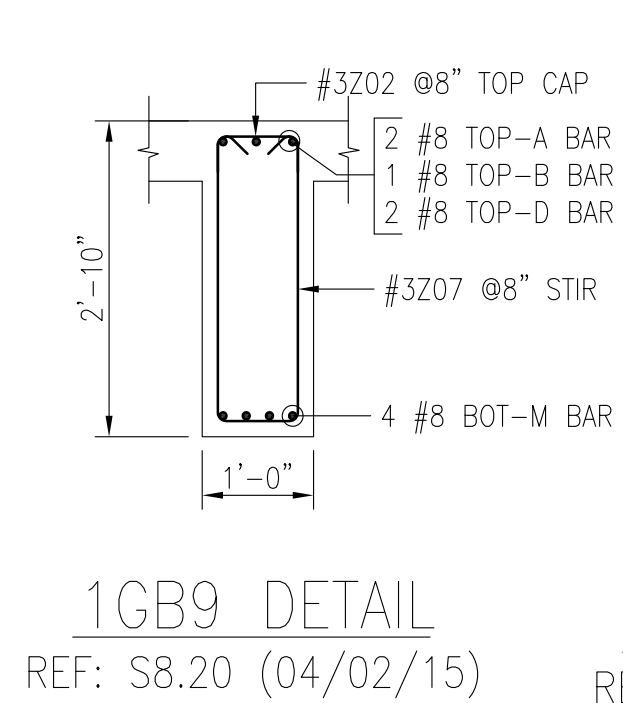
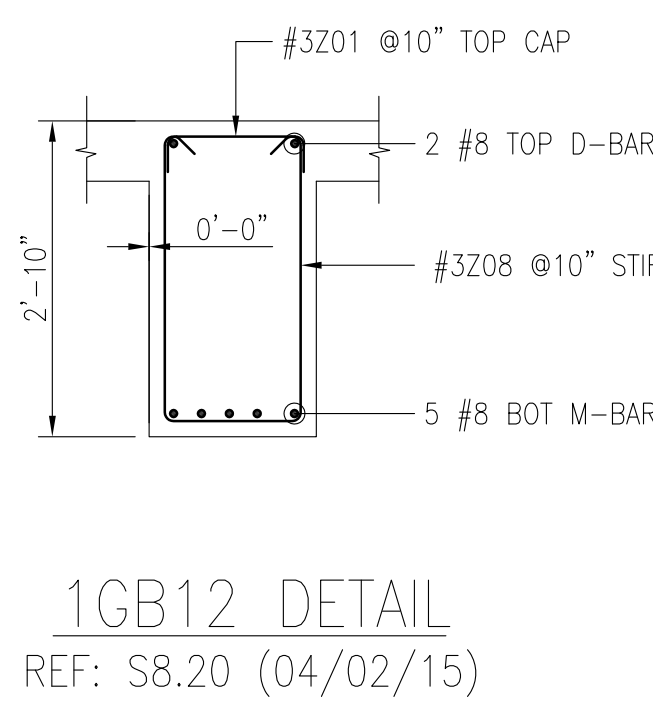
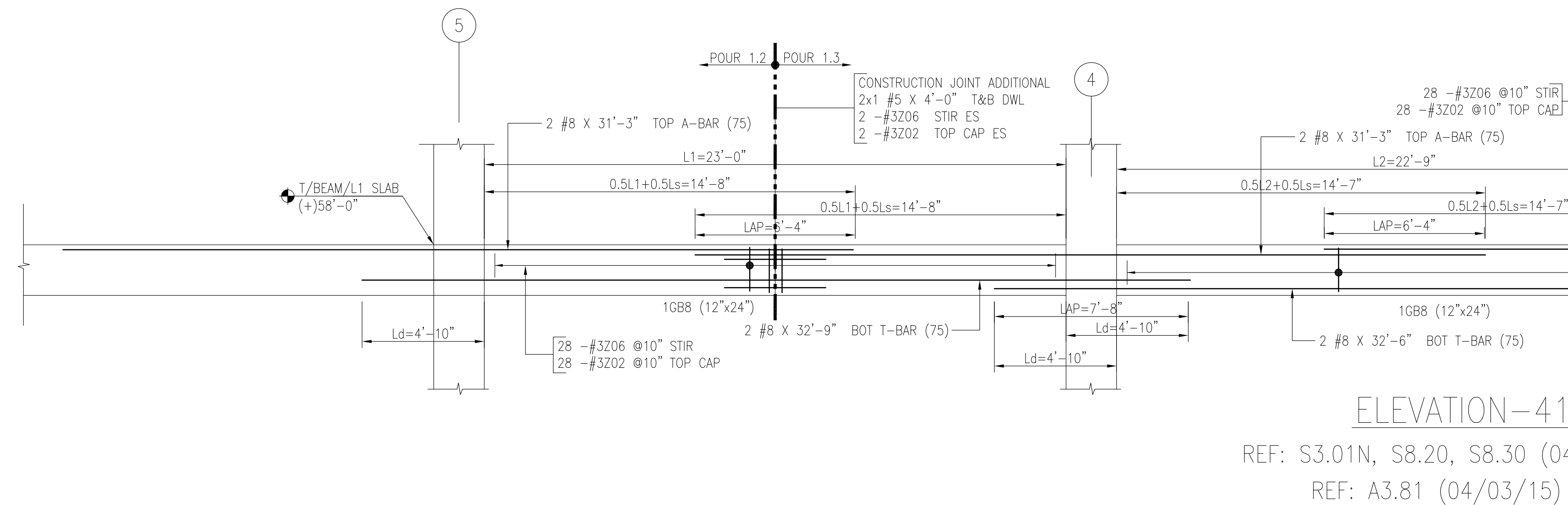
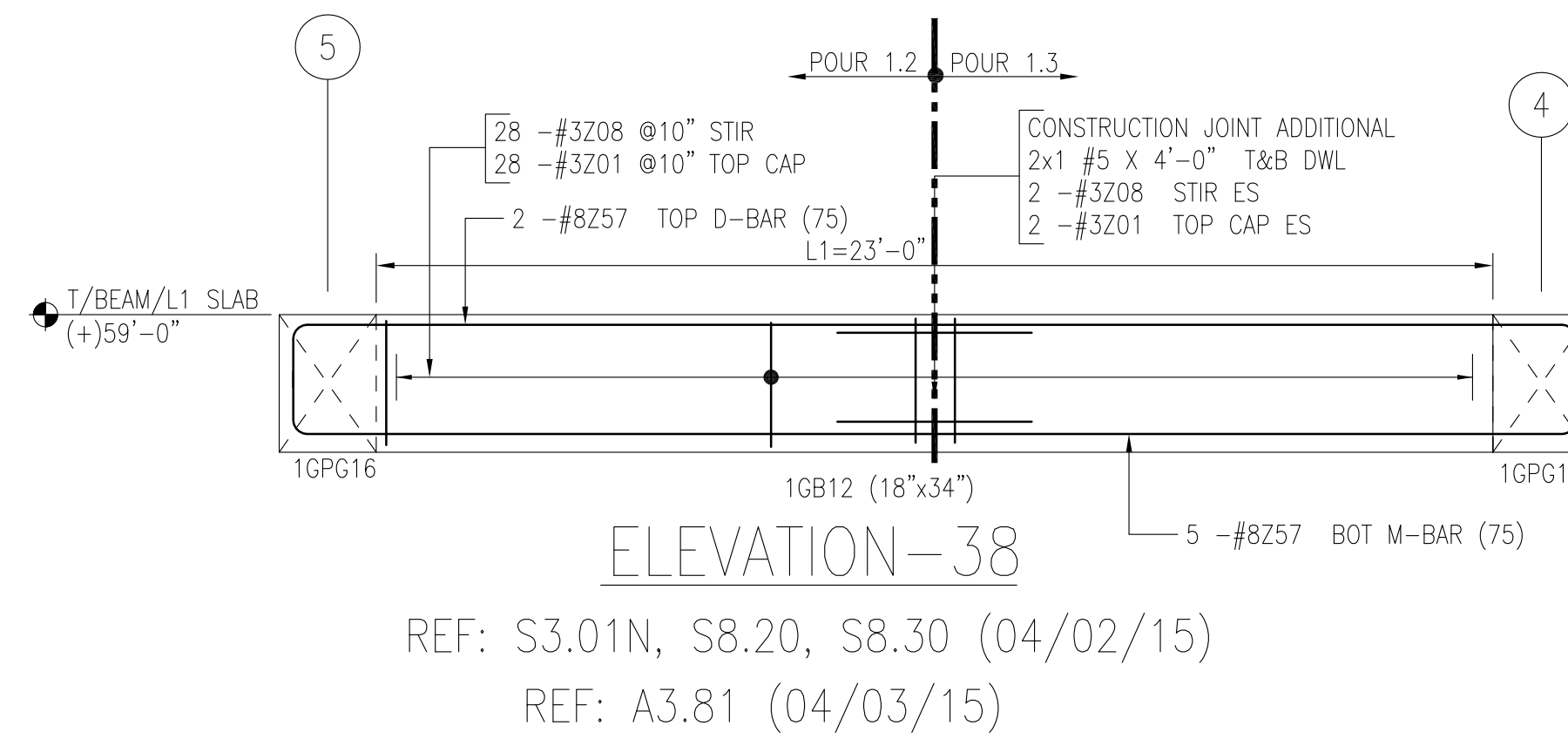
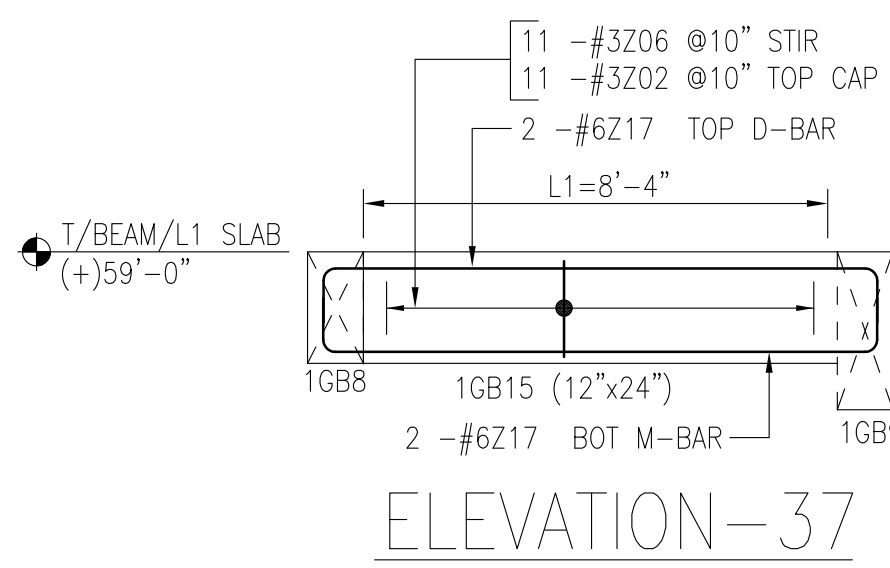
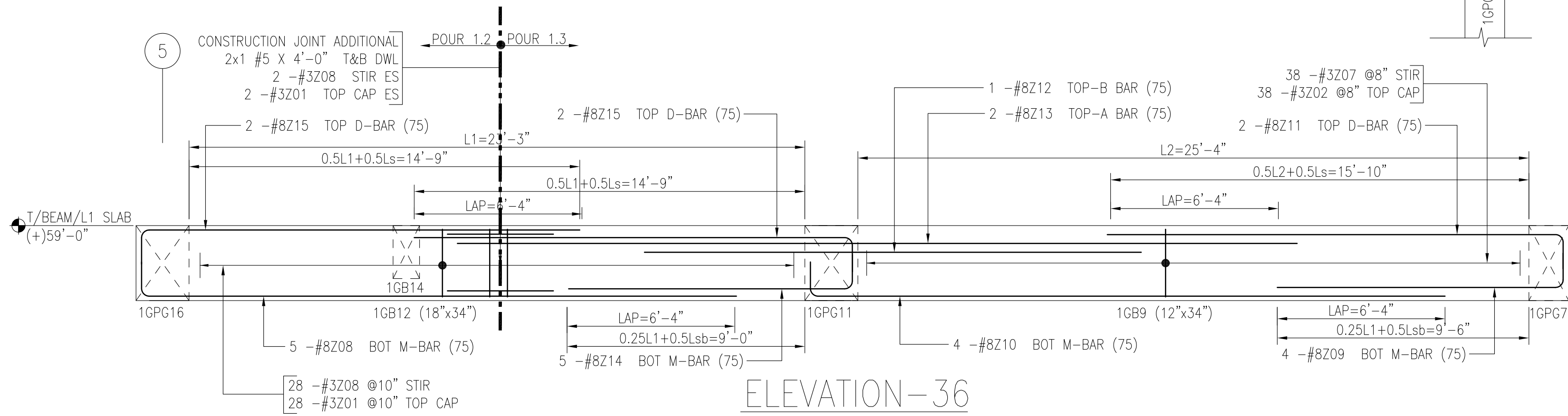
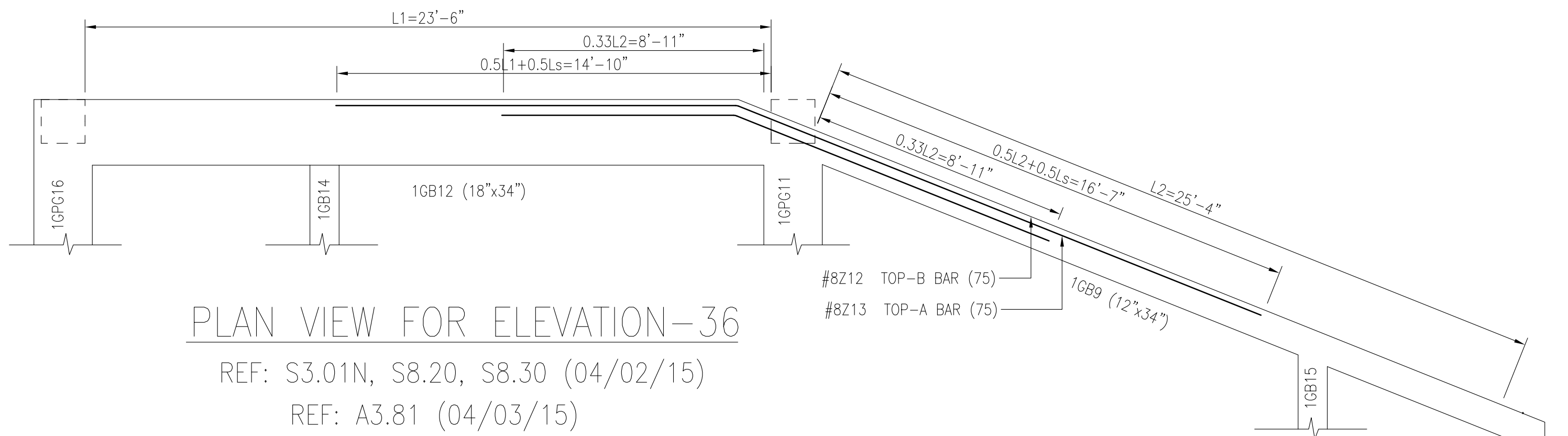
REINFORCING BARS ARE ASTM A615 GRADE 60, UNCOATED U.N.O
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Legend:	V	Vertical
IF Inside Face	H	Horizontal
OF Outside Face	EW	Each Way
NF Near Face	B/Bot	Bottom
FF Far Face	T	Top
EF Each Face	SB	Support Bars

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

03/10/15	0	APPROVAL		03/10/15	APPROVAL		
DATE	REV. NO.	DESCRIPTION		DATE	SENT FOR		
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543							
PROJECT		AMEGY BANK					
LOCATION		HOUSTON, TEXAS					
ARCHITECT							
ENGINEER							
CUSTOMER							
Drawn By:		Date:		Reviewed By:		Job No.	
ROH		03/10/15		ROH			
Drawing Covers: NORTH AREA LVL 1 SLAB & BEAMS				Drawing no. R147			

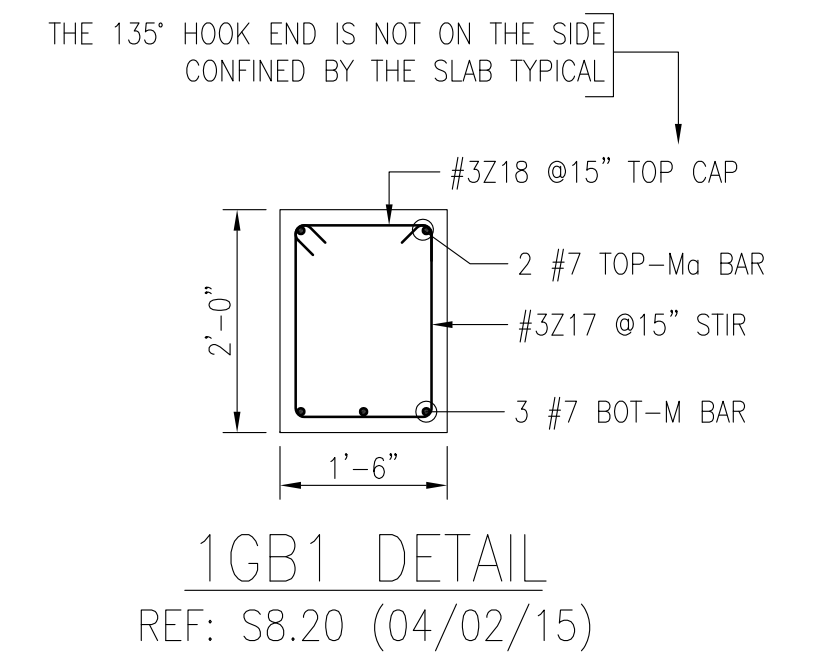




FOR BBS DETAILS REFER R153

All Bars #6 & smaller are Grade 60, ASTM 615 Uncoated U.N.O.

All Bars #7 & larger are Grade 75, ASTM 615 Uncoated U.N.O.

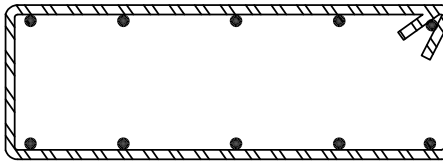


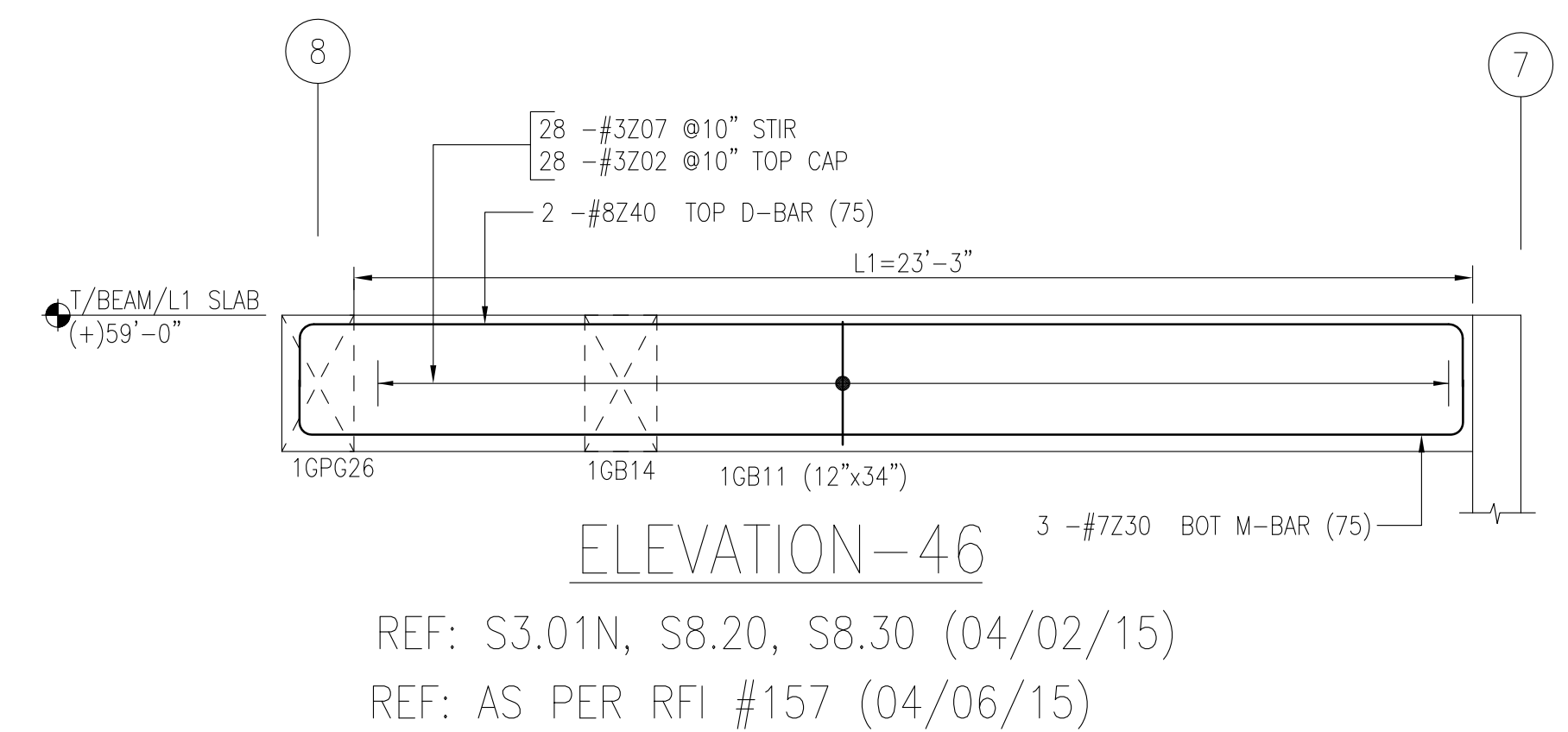
REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O.

Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face

V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

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

03/10/15	0	APPROVAL	03/10/15	APPROVAL	
DATE	REV.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
					
PROJECT		AMEGY BANK			
LOCATION		HOUSTON, TEXAS			
ARCHITECT					
ENGINEER					
CUSTOMER					
N S D S	Drawn By: ROH		Date: 03/10/15	Reviewed By: ROH	Job No.
	Drawing Covers: NORTH AREA LVL 1 SLAB & BEAMS		Drawing no. R150		



Release Code: R151				BENDING DETAILS.												
Bar Mark.	Qty	Size	total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'P'
3201	37 #3	1"10	55'	04"	13"						04"					
3202	285 #3	15'	55'	04"	09"						04"					
3206	110 #3	4'11"	53'	04"	19"	09"	19"				04"	02 3/4"				
3207	86 #3	6'7"	53'	04"	27"	09"	27"				04"	02 3/4"				
3208	37 #3	7'4"	53'	04"	27"	13"	27"				04"	02 3/4"				
3206	29 #3	5'9"	53'	04"	22"		09"	22"			04"	02 3/4"				
7230	3 #7	26'7"	2'	12"	24'3"						12"					
7231	6 #7	29'4"	2'	12"	27'0"						12"					
8226	2 #8	21'4"	2'	14"	18'8"						14"					
8240	2 #8	26'11"	2'	14"	24'3"						14"					
8241	2 #8	31'7"	2'	14"	29'9"											
8259	4 #8	29'8"	2'	14"	27'0"						14"					
8260	7 #8	19'8"	2'	14"	17'0"											
8261	2 #8	18'3"	2'	14"	16'11"											
8269	4 #8	16'7"	2'	14"	16'9"											
8271	2 #8	18'4"	2'	14"	17'0"											
8272	2 #8	29'11"	2'	14"	27'3"							14"				
8274	2 #8	30'6"	2'	14"	27'10"							14"				
10207	5 #10	22'4"	2'	18"	18'8"						18"					

A

B

C

A

B

C

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

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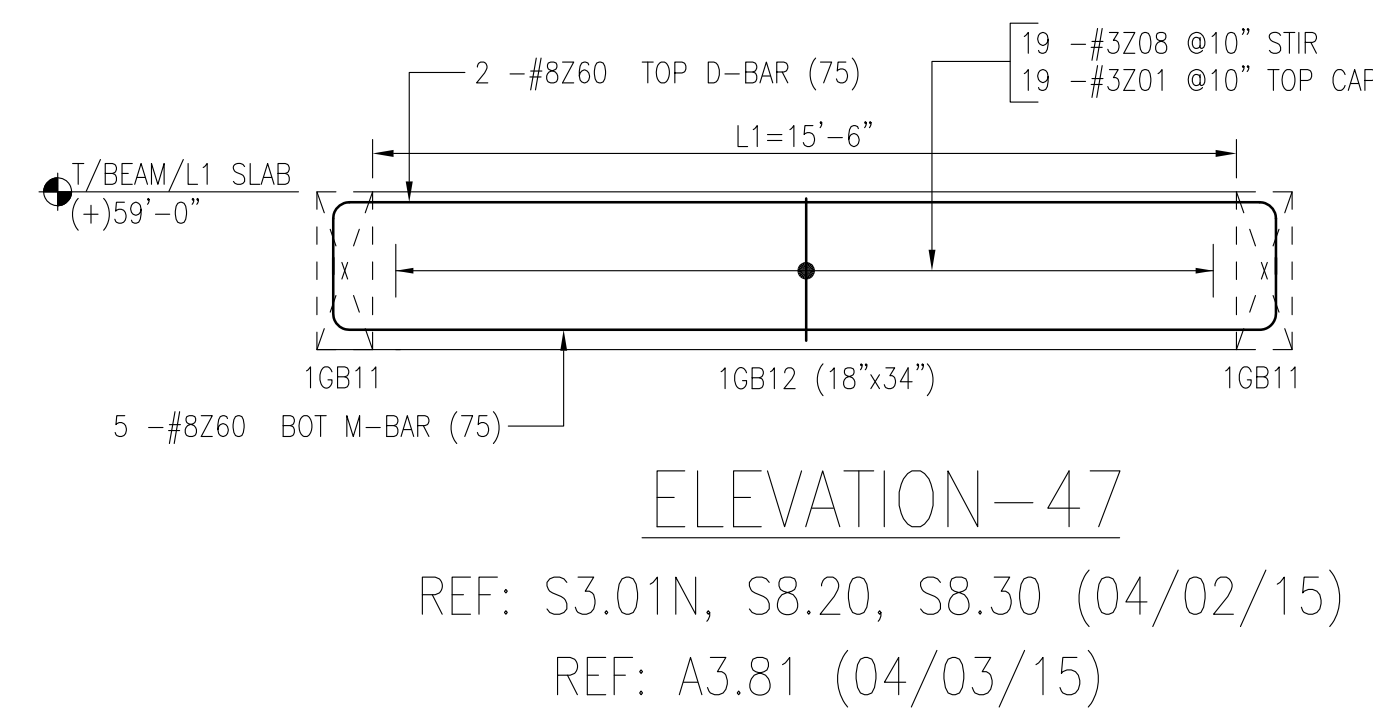
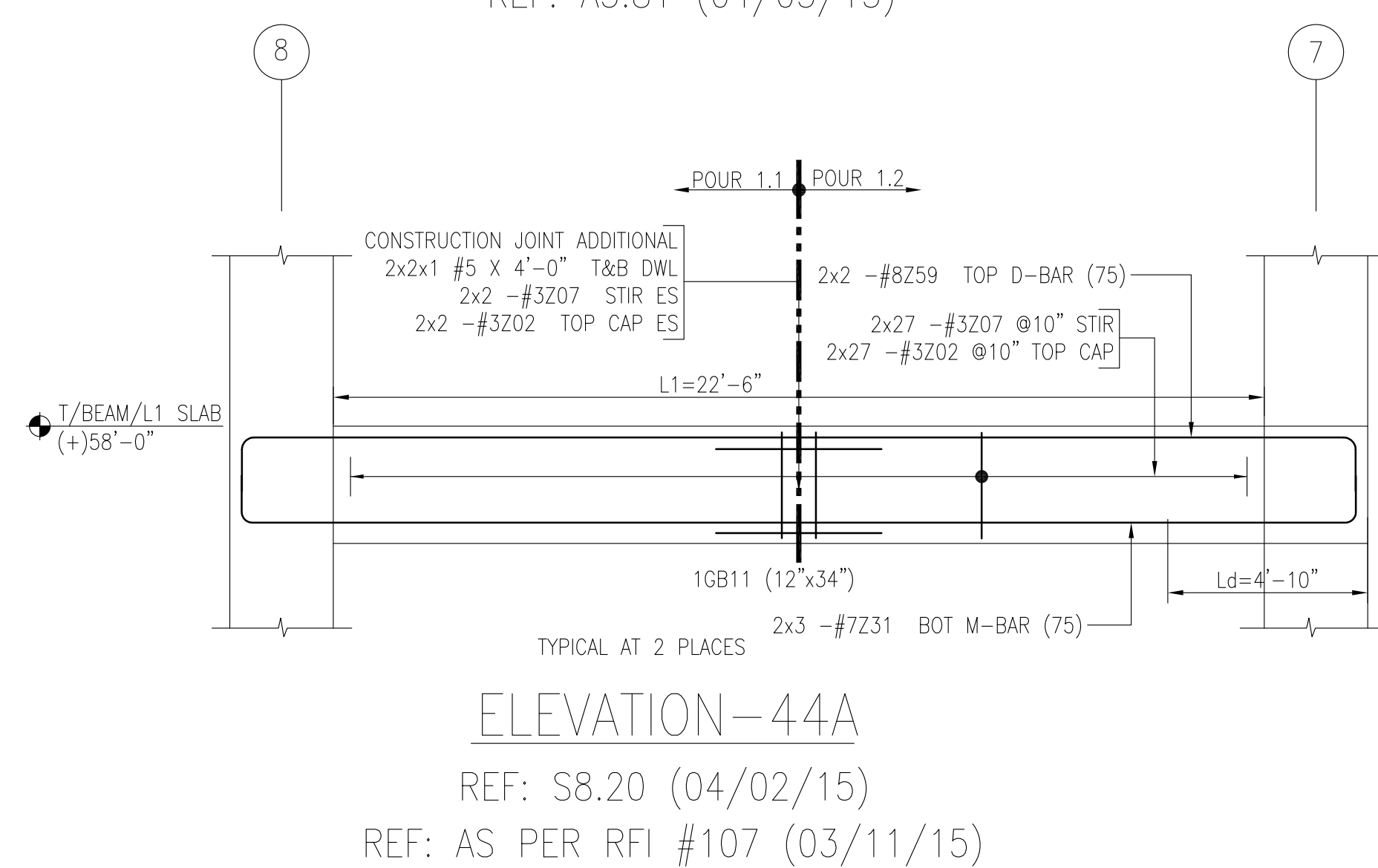
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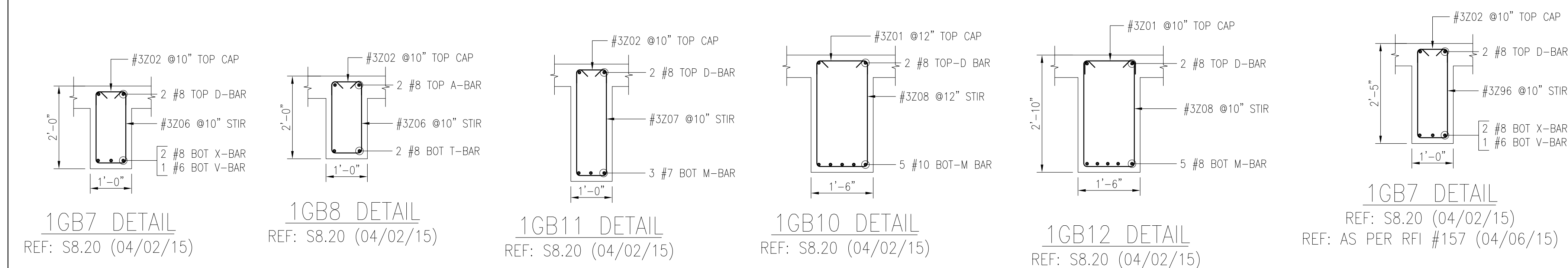
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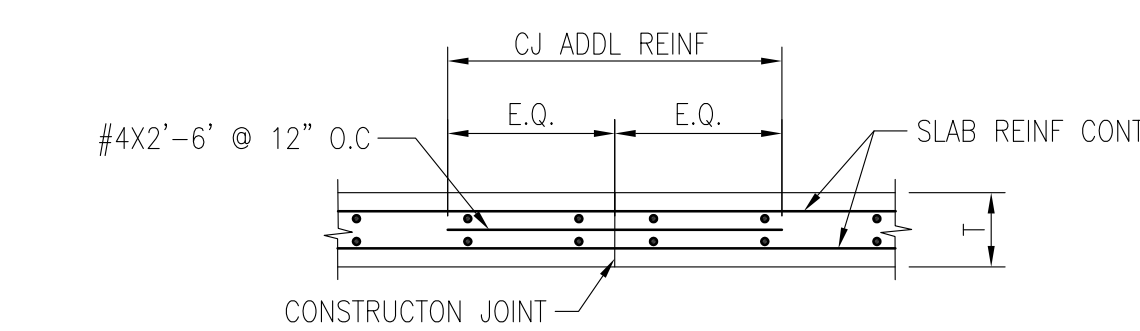
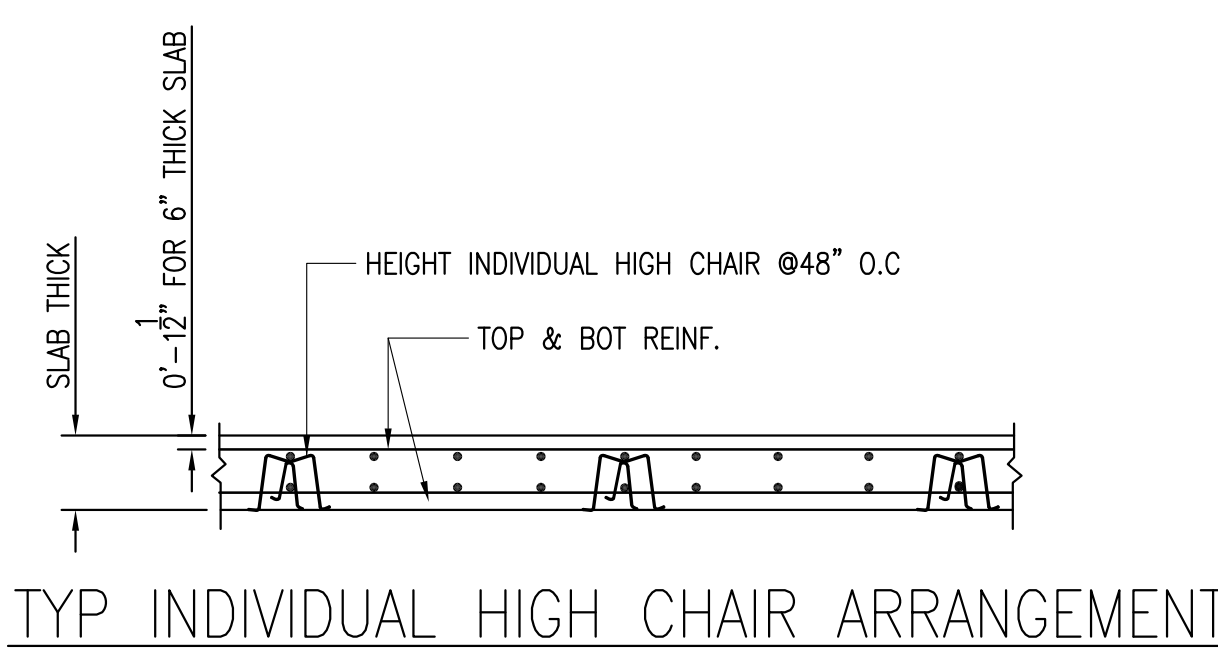
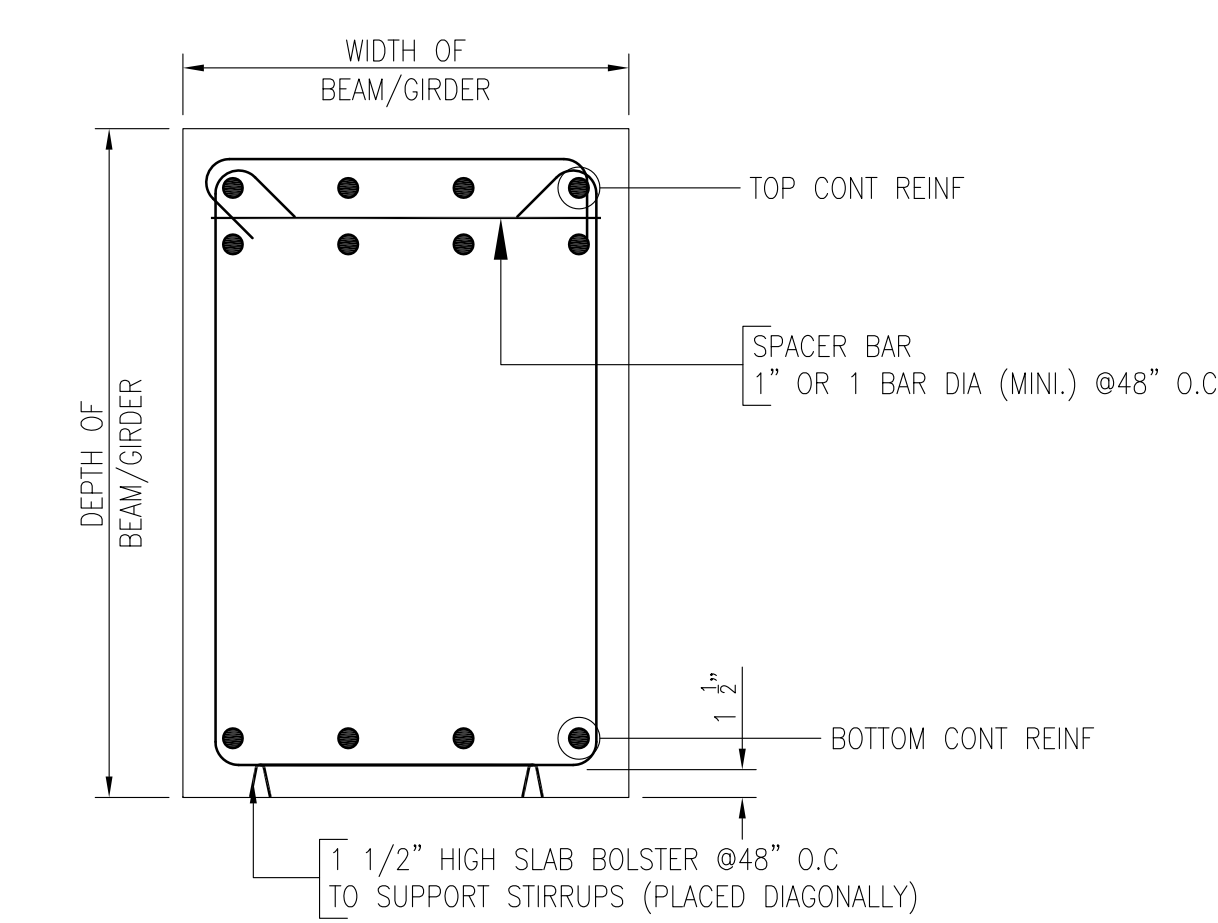
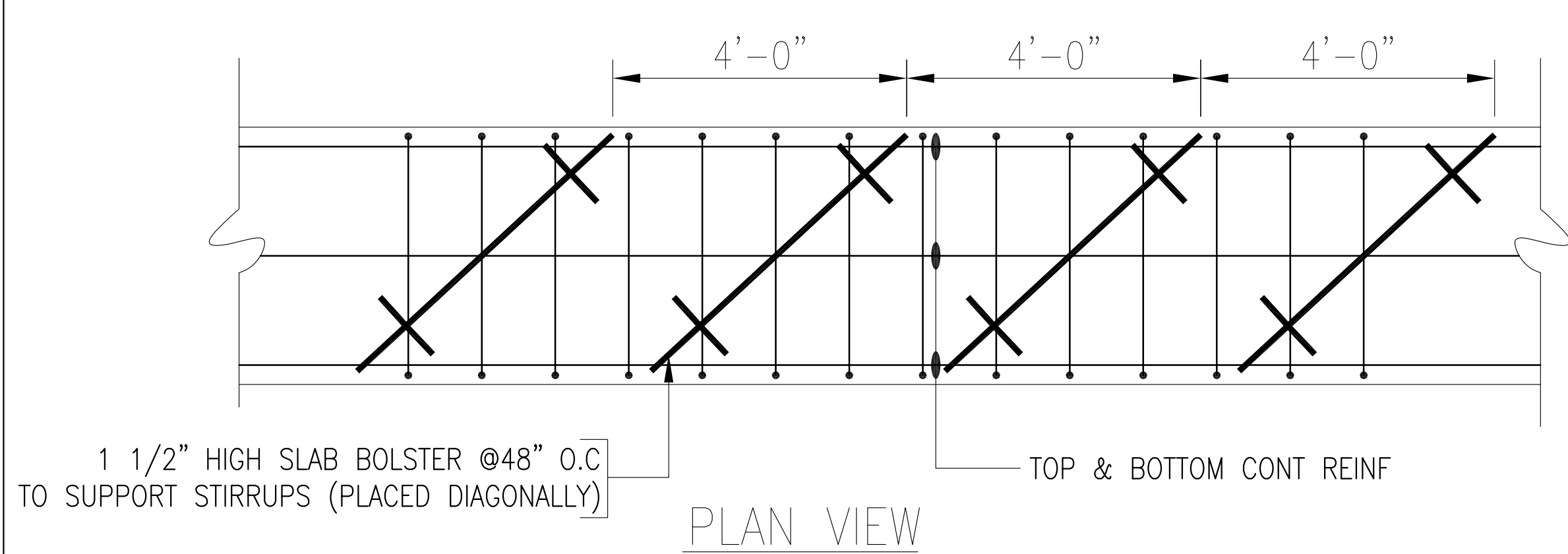
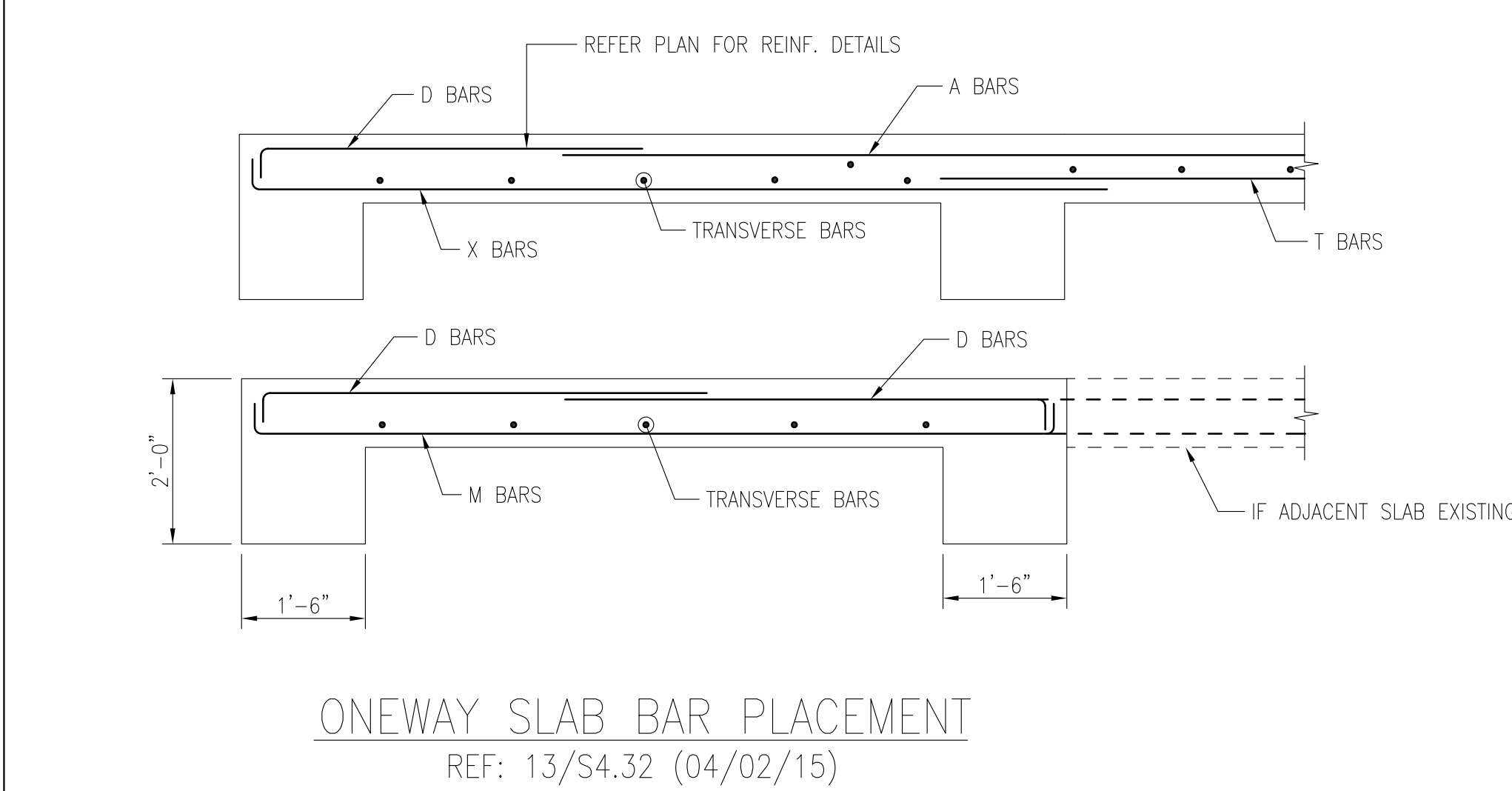
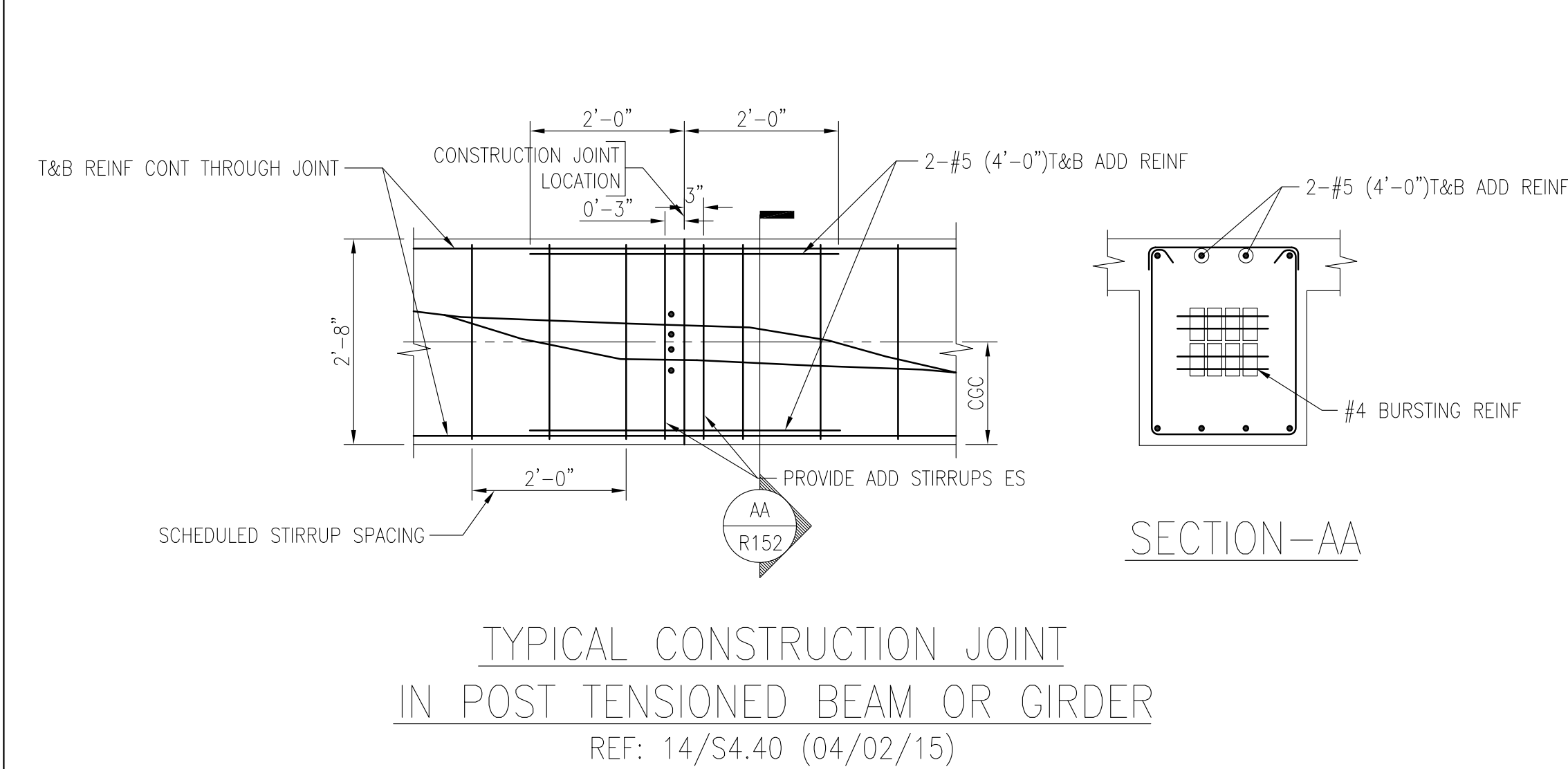
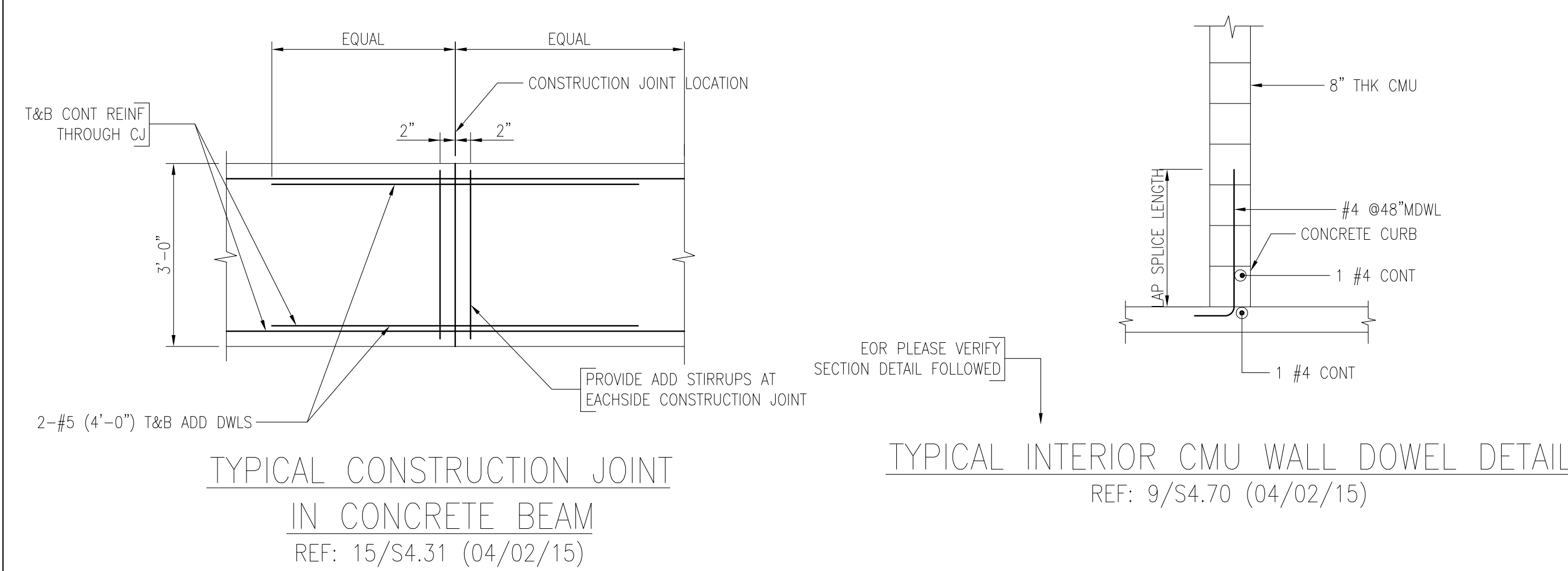
02

03

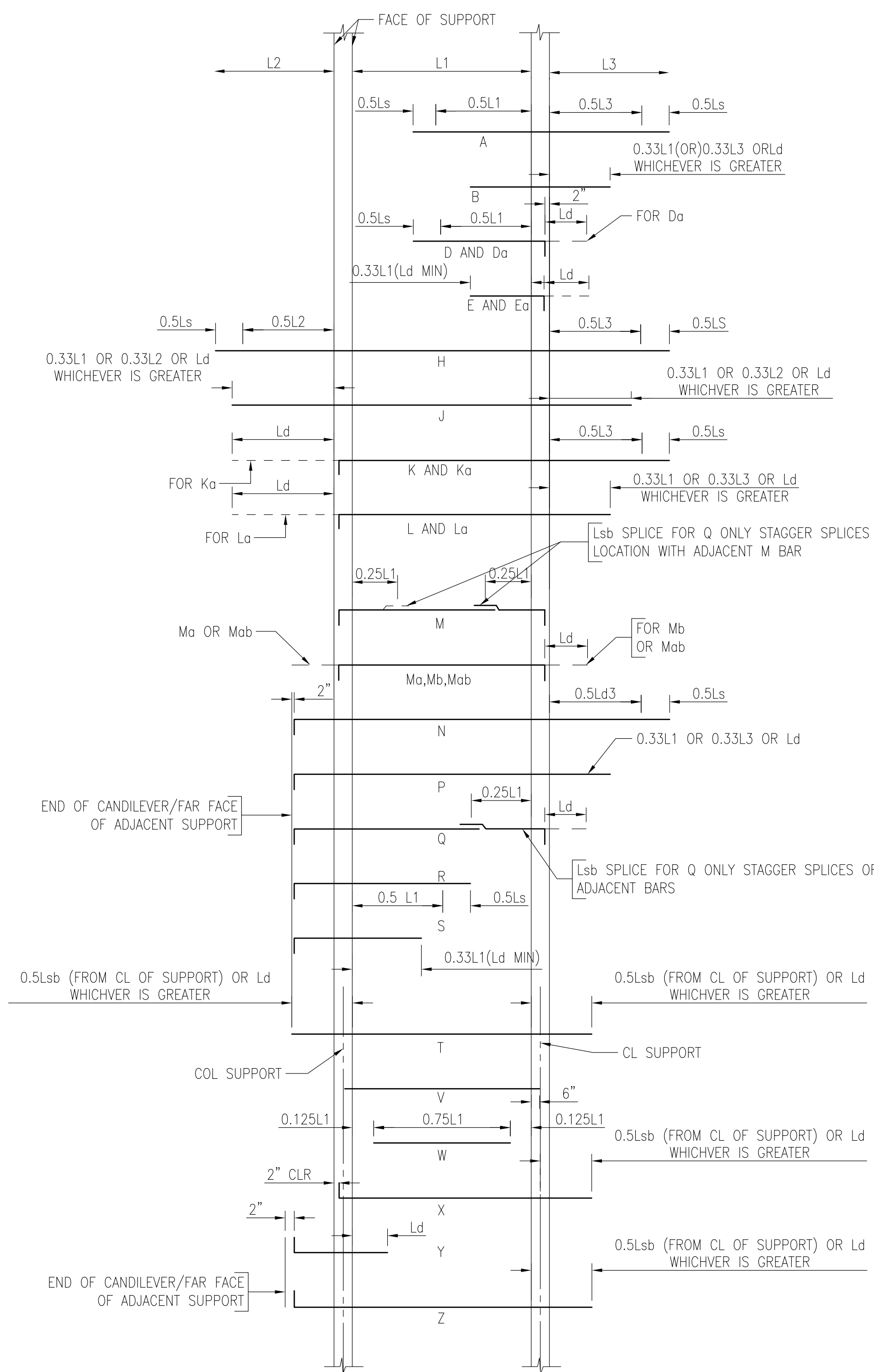
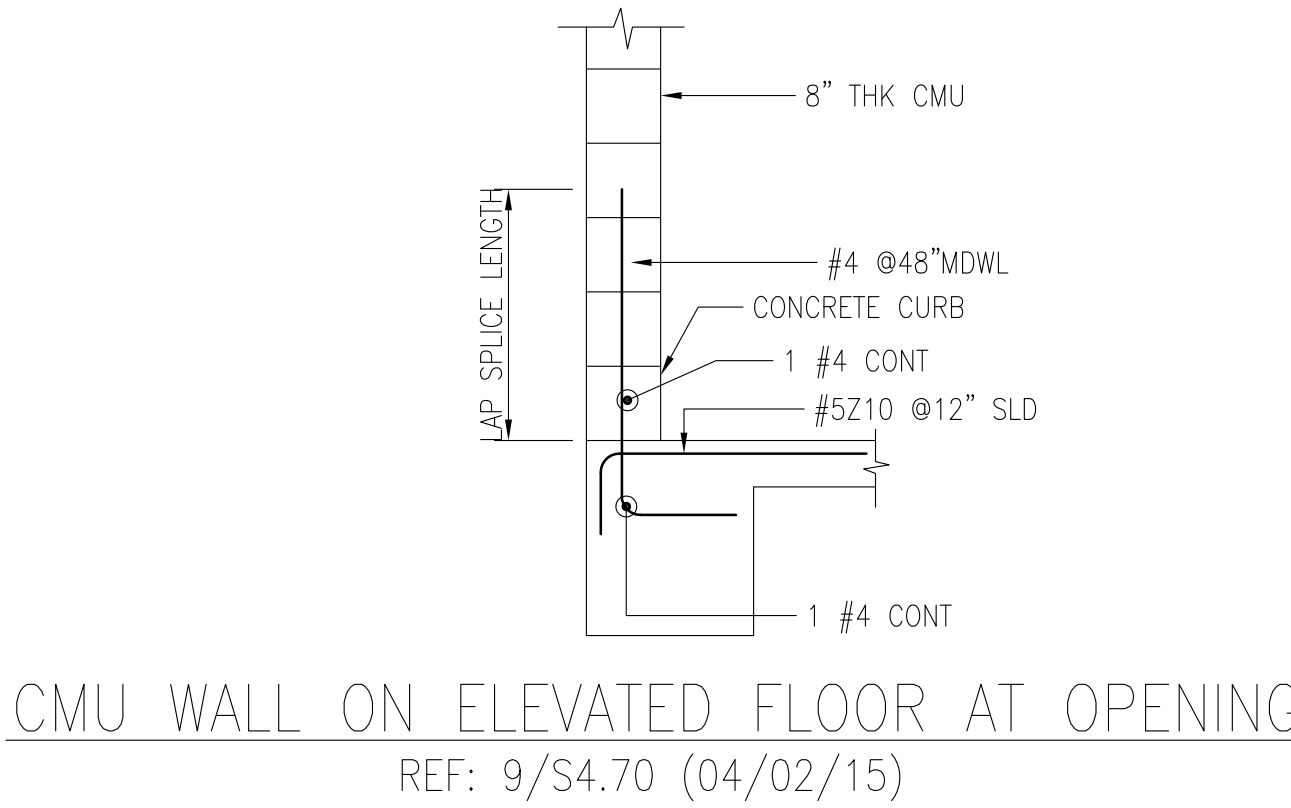


All Bars #7 & larger are Grade 75, ASTM 615 Uncoated U.N.O.





TYPICAL CONSTRUCTION JOINT REINF DETAILS IN CONCRETE STRUCTURAL SLAB
REF: 10/S4.31 (04/02/15)



NOTE:
(n) NOTED IN BEAM SCHEDULE AFTER BAR TYPE INDICATES MINIMUM NUMBER OF BARS ("n") WHICH ARE INTEGRITY BARS AND SHALL BE PLACED WITHIN VERTICAL COLUMN REINFORCING STEEL CAGE.
FOR EXAMPLE, 4-#6A(2) INDICATES A TOTAL OF (4) #6 "A" BARS, 2 OF WHICH ARE CLASSIFIED AS "INTEGRITY BARS" AND MUST BE PLACED WITHIN THE COLUMN CAGE. PROVIDE SUPPLEMENTAL BARS AS REQUIRED FOR STIRRUPS PER NOTE 10.

Release Code: R152				BENDING DETAILS.											
Bar Mark	Qty	#	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'
4230	10	#4	31"	12		0'8"	75"								
5210	390	#5	51"	12		0'10"	46"								

REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED U.N.O.

Legend:
IF Inside Face
OF Outside Face
NF Near Face
FF Far Face
EF Each Face

V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

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

- ACCESSORIES LIST**
- 77Q EACH
1-1/2" High Slab bolster -In 5'-0" Length @ 48" O.C
RUNS DIGONALLY UNDER STIRRUPS
 - 26 EACH
3" Individual. high chair @48" O.C

TO SUPPORT TOP BAR AT S1 SLAB - 5" THICK SLAB

- 14 EACH
1-1/2" High Slab Bolster - In 5'-0" Length @ 48" O.C
TO SUPPORT BOT BAR AT 5" THICK SLAB

60 EACH
8" Individual. high chair @48" O.C

TO SUPPORT TOP BAR AT PT SLAB - 10" THICK PT SLAB

- 12 EACH
1-1/2" High Slab Bolster - In 5'-0" Length @ 48" O.C
TO SUPPORT BOT BAR AT 10" THICK PT SLAB

513 EACH
7" Individual. high chair @48" O.C

TO SUPPORT TOP BAR AT PT SLAB - 9" THICK PT SLAB

- 400 EACH
1-1/2" High Slab Bolster - In 5'-0" Length @ 48" O.C
TO SUPPORT BOT BAR AT 9" THICK PT SLAB

765 EACH
10" Individual. high chair @48" O.C

TO SUPPORT TOP BAR AT PT SLAB - 12" THICK PT SLAB

- 172 EACH
1-1/2" High Slab Bolster - In 5'-0" Length @ 48" O.C
TO SUPPORT BOT BAR AT 12" THICK PT SLAB

64 EACH
4 1/2" Individual. high chair @48" O.C

TO SUPPORT TOP BAR AT PT SLAB - 6 1/2" THICK PT SLAB

- 28 EACH
1-1/2" High Slab Bolster - In 5'-0" Length @ 48" O.C
TO SUPPORT BOT BAR AT 6 1/2" THICK PT SLAB

630 EACH
4 1/2" Individual. high chair @48" O.C

TO SUPPORT TOP BAR AT PT SLAB - 6 1/2" THICK RAMP PT SLAB

- 150 EACH
1-1/2" High Slab Bolster - In 5'-0" Length @ 48" O.C
TO SUPPORT BOT BAR AT 6 1/2" THICK RAMP SLAB

All Bars #6 & smaller are Grade 60, ASTM 615 Uncoated U.N.O.

All Bars #7 & larger are Grade 75, ASTM 615 Uncoated U.N.O.

03/10/15	0	APPROVAL	03/10/15	APPROVAL	
DATE	REV	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
PROJECT	AMEGY BANK				
LOCATION	HOUSTON, TEXAS				
ARCHITECT					
ENGINEER					
CUSTOMER					
Drawn By:	ROH	Date:	03/10/15	Reviewed By:	ROH
Drawing Covers:	NORTH AREA LVL 1 SLAB & BEAMS				Drawing no. R152

Release Code: R142				BENDING DETAILS.											
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'
3201	1	#3	111	S6	0.4"	13"					0.4"				
3202	27	#3	15	S6	0.4"	0.9"					0.4"				
3229	23	#3	67	2	0.6"	5.8"									
3230	3	#3	99	2	0.6"	9.3"									
3232	27	#3	29	S6	0.4"	2.1"					0.4"				
3233	1	#3	28	S6	0.4"	2.0"					0.4"				
3234	1	#3	27	S6	0.4"	1.1"					0.4"				
3235	1	#3	25 ½	S6	0.4"	1.9 ½					0.4"				
3236	166	#3	23	S6	0.4"	1.1"					0.4"				
3237	1	#3	22	S6	0.4"	1.6"					0.4"				
3238	1	#3	21	S6	0.4"	1.5"					0.4"				
3239	2	#3	19	S6	0.4"	1.1"					0.4"				
3240	2	#3	18	S6	0.4"	1.0"					0.4"				
3241	1	#3	17	S6	0.4"	0.11"					0.4"				
3242	2	#3	15 ½	S6	0.4"	0.9 ½					0.4"				
3243	2	#3	14 ½	S6	0.4"	0.8 ½					0.4"				
3244	2	#3	13 ½	S6	0.4"	0.7 ½					0.4"				
3245	1	#3	12	S6	0.4"	0.6"					0.4"				
3246	59	#3	9 ½	11		4.4 ½	0.9"	4.4 ½							
3247	22	#3	10	2	0.6"	10.1"									
3250	28	#3	30	S4	0.1"	0.9 ½	0.9"	0.9 ½			0.4"				
3253	10	#3	0.11 ½	S6	0.4"	0.3 ½					0.4"				
3254	1	#3	10 ½	S6	0.4"	0.4 ½					0.4"				
3255	1	#3	11 ½	S6	0.4"	0.5 ½					0.4"				
3256	1	#3	12 ½	S6	0.4"	0.6 ½					0.4"				
3260	1	#3	16 ½	S6	0.4"	0.10 ½					0.4"				
3263	1	#3	1.01	S6	0.4"	1.2"					0.4"				
3265	12	#3	1.11 ½	S6	0.4"	1.3 ½					0.4"				
3297	102	#3	2.11 ½	S6	0.4"	2.3 ½					0.4"				
4227	7	#4	20.11	2	0.8"	20.3"									
4228	50	#4	17.8	3		8.10"	8.10"					8.9 ½"	17.7 ½"		
4229	66	#4	5.0	3		2.6"	2.6"				0.3 ½"		2.6"	5.0"	
4231	316	#4	10.2	2	0.8"	9.6"									
4232	36	#4	116	2	0.8"	10.10"									
4234	75	#4	9.11	2	0.8"	9.3"									
4235	112	#4	215	2	0.8"	20.9"									
4236	112	#4	7.8	2	0.8"	7.0"									
4237	36	#4	28.2	2	0.8"	27.6"					0.8"				
4238	12	#4	11.2	2	0.8"	9.10"					0.8"				
4239	13	#4	20.4	2	0.8"	19.10"					0.8"				
4240	22	#4	3.6	11		1.9"	1.9"								
4247	88	#4	225	2	0.8"	21.1"					0.8"				
4248	94	#4	22.6	2	0.8"	21.2"					0.8"				
4249	62	#4	26.6	2	0.8"	25.10"									
4250	75	#4	275	2	0.8"	26.9"									
4251	75	#4	10.8	2	0.8"	10.10"									
4252	50	#4	213	2	0.8"	20.7"									
4253	50	#4	7.11	2	0.8"	7.3"									
4254	27	#4	6.11	2	0.8"	6.3"									
4255	27	#4	26.8	2	0.8"	26.10"									
4256	127	#4	27.2	2	0.8"	26.6"									
4266a	1	#4	2.9"			2.9"									
TO															
4266ab	1	#4	25.3"			25.3"									
4267a	2	#4	3.4	2	0.8"	2.0"					0.8"				
TO															
4267f	2	#4	225	2	0.8"	21.1"					0.8"				
4268a	1	#4	4.6	2	0.8"	3.10"									
TO															
4268aa	1	#4	29.9"	2	0.8"	29.1"									
4269a	2	#4	3.11	2	0.8"	2.7"					0.8"				
TO															
4269p	2	#4	18.11	2	0.8"	17.7"					0.8"				
4279a	1	#4	3.3"			3.3"									
TO															
4279k	1	#4	24.6"			24.6"									
4285	13	#4	13.2	2	0.8"	12.6"									
4286	10	#4	30.4	2	0.8"	29.8"									
4287	22	#4	4.9	2	0.8"	2.8"					0.8"				
4290	54	#4	17.8	3		8.6"	8.6"					0.8 ½"	8.5 ½"	16.11 ½"	
4291	10	#4	9.8	2	0.8"	9.0"									
4292	10	#4	26.11	2	0.8"	26.3"									
4293	6	#4	11.8	2	0.8"	11.0"									
4294	14	#4	35.3	2	0.8"	34.7"									
4298	16	#4	2.6	20		1.0"	0.6"	1.0"							
4299	8	#4	6.3	S4	1.0"	1.0"	2.3"	1.0"			1.0"				
5209	42	#5	22.1	2	0.10"	20.5"					0.10"				
5212	22	#5	12.9	2	0.10"	11.1"					0.10"				
5213	22	#5	7.0	2	0.10"	5.4"					0.10"				
32106	1	#3	1.10 ½	S6	0.4"	1.2 ½					0.4"				
32108	1	#3	2.4 ½	S6	0.4"	1.8 ½					0.4"				
42100	8	#4	4.6	17		2.3"	2.3"								
42105	91	#4	14.6	2	0.8"	13.10"									

Release Code: R150				BENDING DETAILS.											
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'
3201	60	#3	111	S5	0.4"	13"					0.4"				
3202	136	#3	15	S5	0.4"	0.9"					0.4"				
3206	113	#3	4.11	S3	0.4"	1.9"	0.9"	1.9"			0.4"	0.2 1/2"			
3207	38	#3	67	S3	0.4"	2.7"	0.9"	2.7"			0.4"	0.2 1/2"			
3208	60	#3	71	S3	0.4"	2.7"	1.3"	2.7"			0.4"	0.2 1/2"			
3217	9	#3	55	S3	0.4"	1.9"	1.3"	1.9"			0.4"	0.2 1/2"			
3218	9	#3	1.11	1.9	0.4"	1.3"					0.4"				
4201	47	#4	2.6	S5	0.4 1/2"	1.9"					0.4 1/2"				
4225	47	#4	7.11	S3	0.4 1/2"	3.3"	0.8"	3.3"			0.4 1/2"	0.3"			
4226	47	#4	9.0	S3	0.4 1/2"	3.3"	1.9"	3.3"			0.4 1/2"	0.3"			
4275	2	#4	26.5	2	0.8"	25.9"									
6202	4	#6	19.0	2	1.0"	17.0"					1.0"				
6216	4	#6	11.7	2	1.0"	9.7"					1.0"				
6217	4	#6	12.0	2	1.0"	10.0"					1.0"				
32111	15	#3	15	1.9	0.4"	0.9"					0.4"				
7222	3	#7	22.9	2	1.2"	20.5"						1.2"			
7223	2	#7	22.10	2	1.2"	20.6"						1.2"			
7224	3	#7	65.5	2	1.2"	13.1"						1.2"			
7225	2	#7	15.4	2	1.2"	15.0"						1.2"			
8208	5	#8	23.10	2	1.4"	22.6"									
8209	4	#8	12.2	2	1.4"	10.10"									
8210	4	#8	25.4	2	1.4"	24.10"									
8211	2	#8	18.7	2	1.4"	17.3"									
8212	1	#8	19.7	3		8.0"	11.7"					4 1/2"	10 3/4"	18 3/4"	
8213	2	#8	33.1	3		15.9"	19.4"					7 3/4"	17 1/2"	31 3/4"	
8214	5	#8	12.1	2	1.4"	10.9"									
8215	4	#8	17.1	2	1.4"	16.7"									
8257	7	#8	29.2	2	1.4"	26.6"					1.4"				
9231	4	#9	17.1	2	1.7"	15.6"									
9232	4	#9	37.1	2	1.7"	36.0"									
9233	4	#9	26.10	2	1.7"	25.3"									
A B C S1 1 2 H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CV CW CX CY CA CB CB CC CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL CM CM CM CN CN CN CO CO CO CP CP CP CQ CQ CQ CR CR CR CS CS CS CT CT CT CU CU CU CV CV CV CW CW CW CX CX CX CY CY CY CA CA CA CB CB CB CC CC CC CD CD CD CE CE CE CF CF CF CG CG CG CH CH CH CI CI CI CJ CJ CJ CK CK CK CL CL CL															