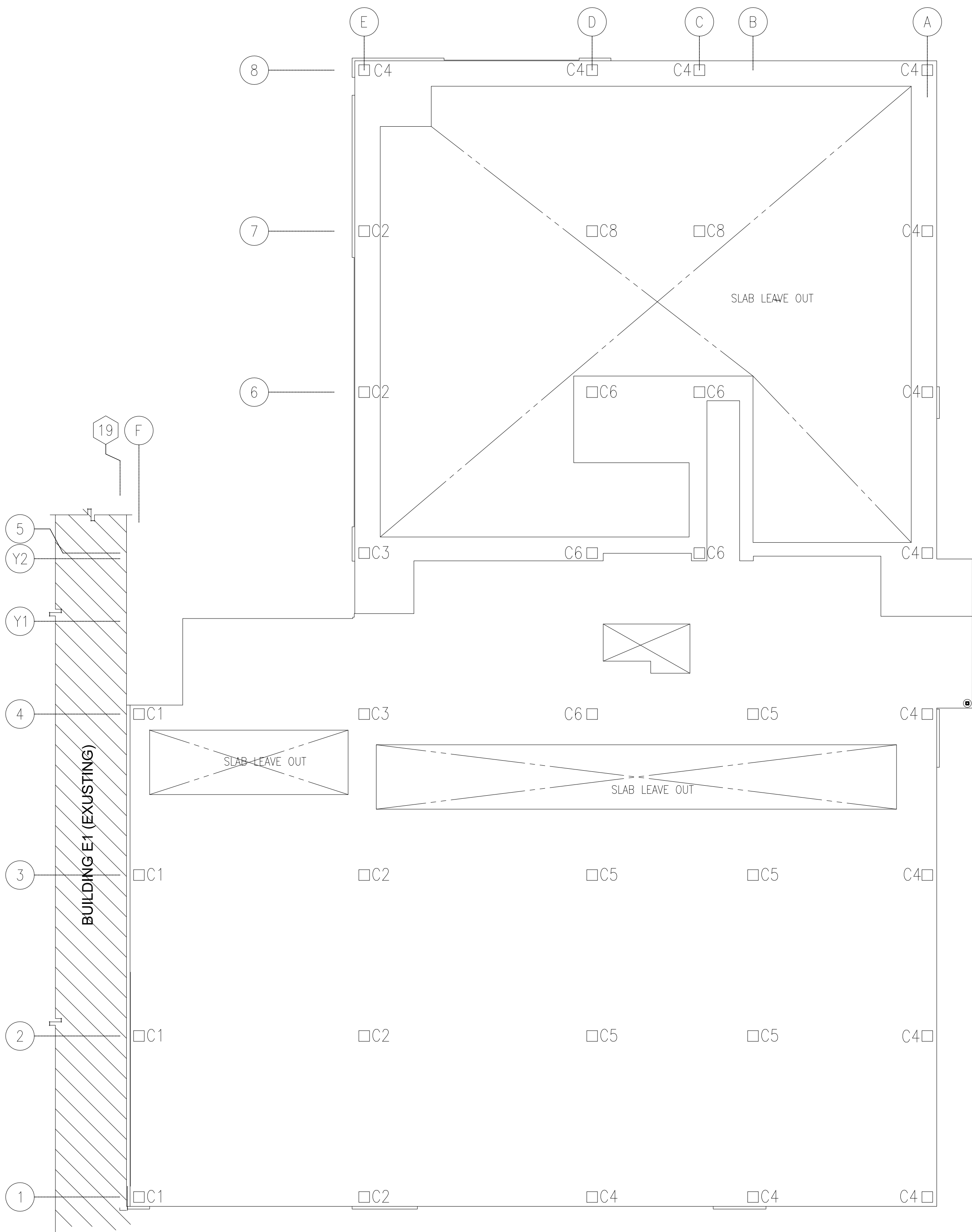




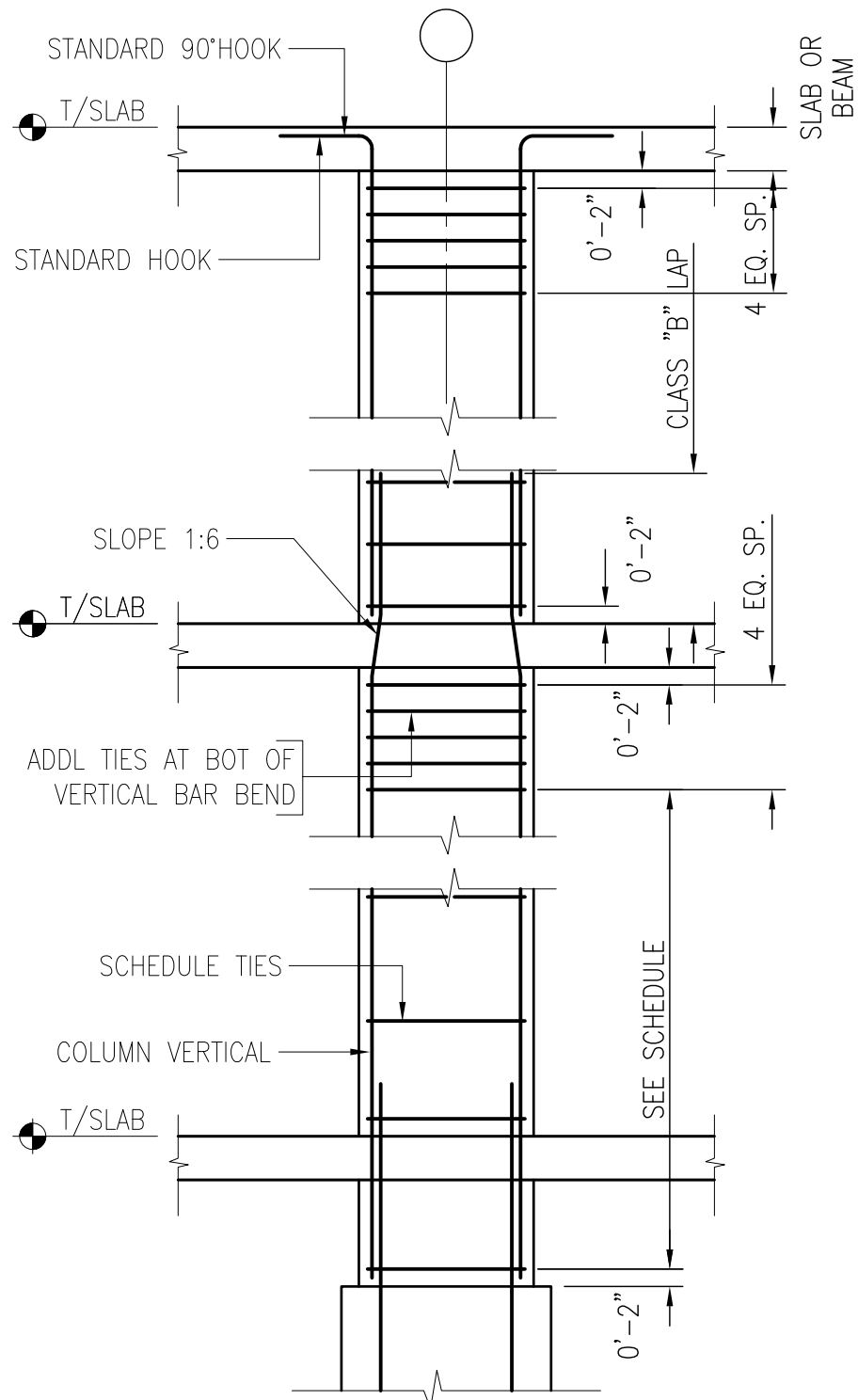
COLUMN KEY PLAN – A1 BUILDING
REF: S201 (01/20/16)

- NOTES:
1. FINISHED FLOOR ELEVATION LEVEL = REFER COLUMN ELEVATION
 2. CONCRETE COVER FOR COLUMNS FOR TIES = 1 1/2"
 3. STOCK LENGTH USED IS #3 & #4 40'-0" #5 & ABOVE 60'-0"
 4. LAP SPLICES ARE USED AS PER SHEET S301 FOR CONCRETE

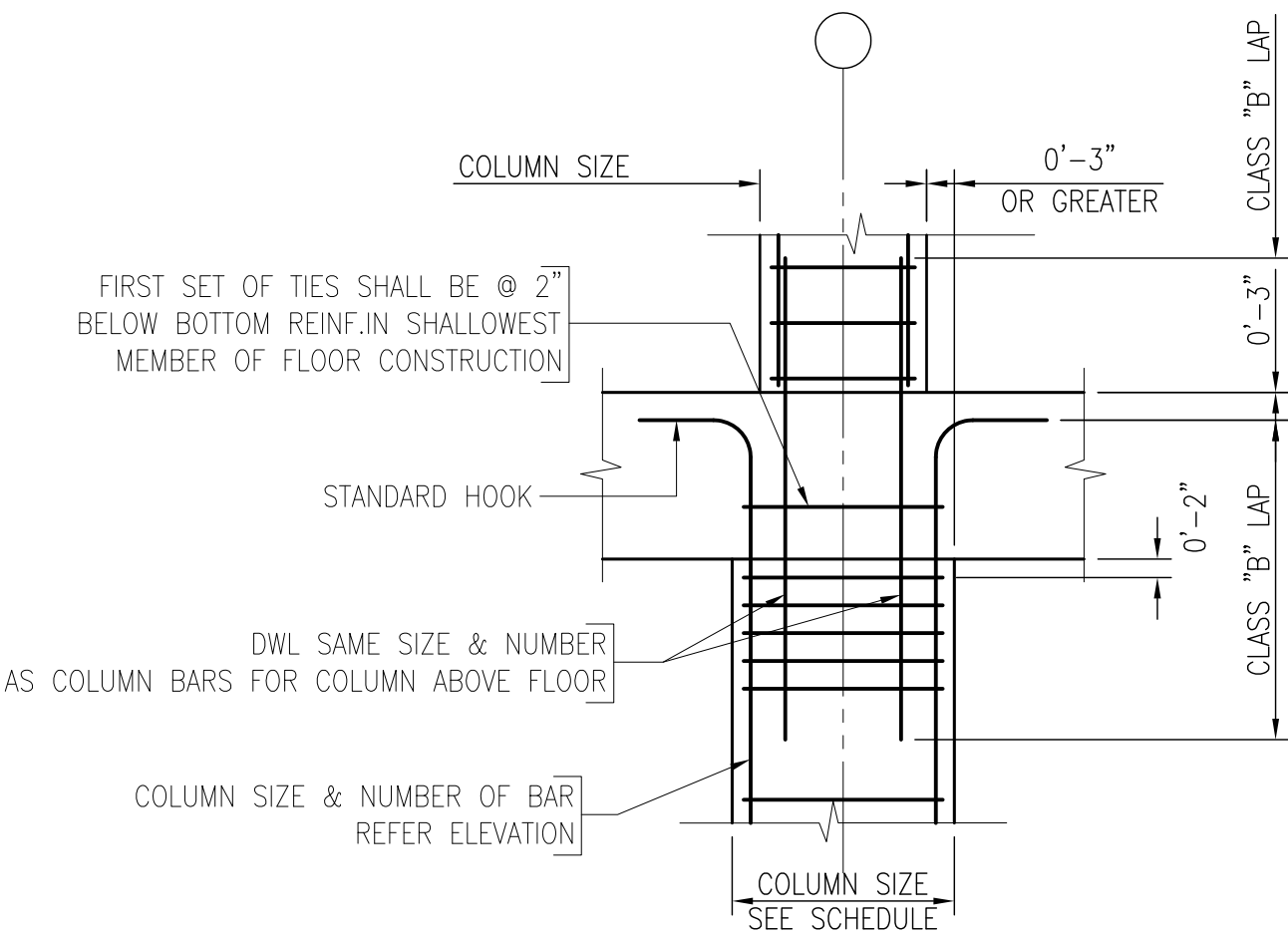
LAP NOTES:
LAP VALUE AS PER SHEET S301

CLASS B LAP 5000 PSI FOR FDN & WALLS		
SIZE	TOP	OTHERS
#3	16"	16"
#4	22"	17"
#5	27"	21"
#6	33"	25"
#7	38"	31"
#8	43"	33"
#9	58"	44"
#10	73"	56"
#11	90"	69"

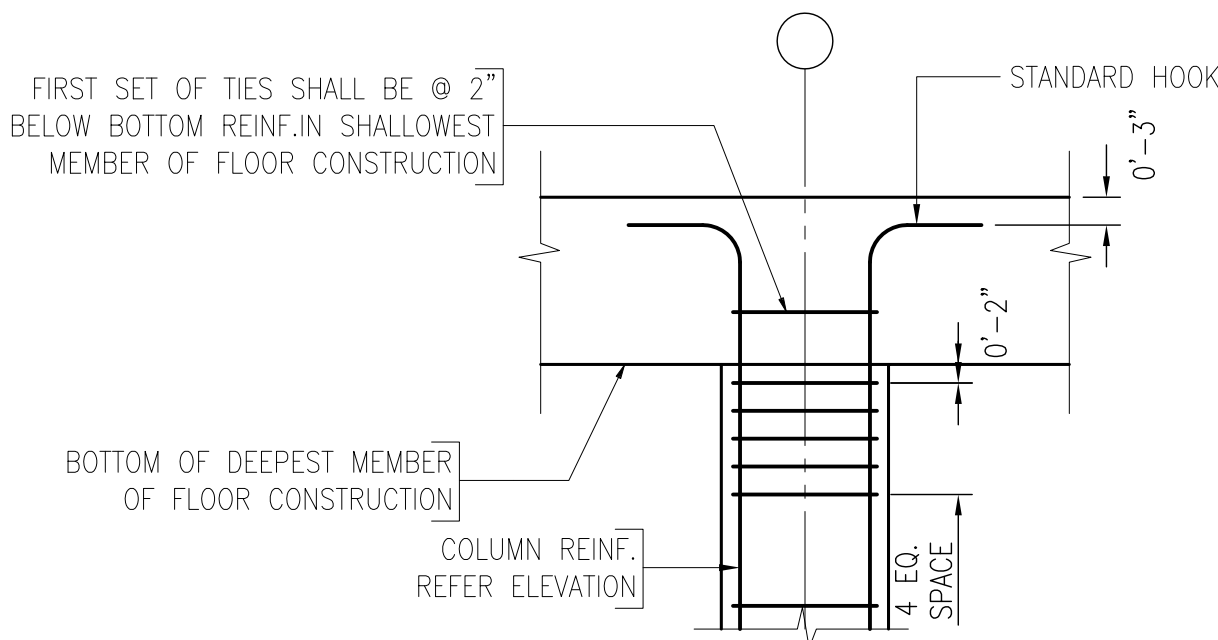
- LEGENDS:
- ADDL – ADDITIONALS
 - COL – COLUMN
 - DWL – DOWEL
 - ES – EACH SIDE
 - FTG – FOOTING
 - REINF – REINFORCEMENT
 - STIR – STIRRUP
 - T&B – TOP & BOTTOM
 - TEMP – TEMPERATURE
 - T/COL – TOP OF COLUMN
 - T/FTNG – TOP OF FOOTING
 - T/SLAB – TOP OF SLAB
 - VERT – VERTICAL



TYP. COLUMN ELEVATION DETAIL
REF: 8/S901 (12/18/15)



TYP. COLUMN REINF. LAP SPLICE DETAIL
REF: 7/S901 (12/18/15)



TYPICAL COLUMN AT ROOF DETAIL
REF: 1/S901 (12/18/15)

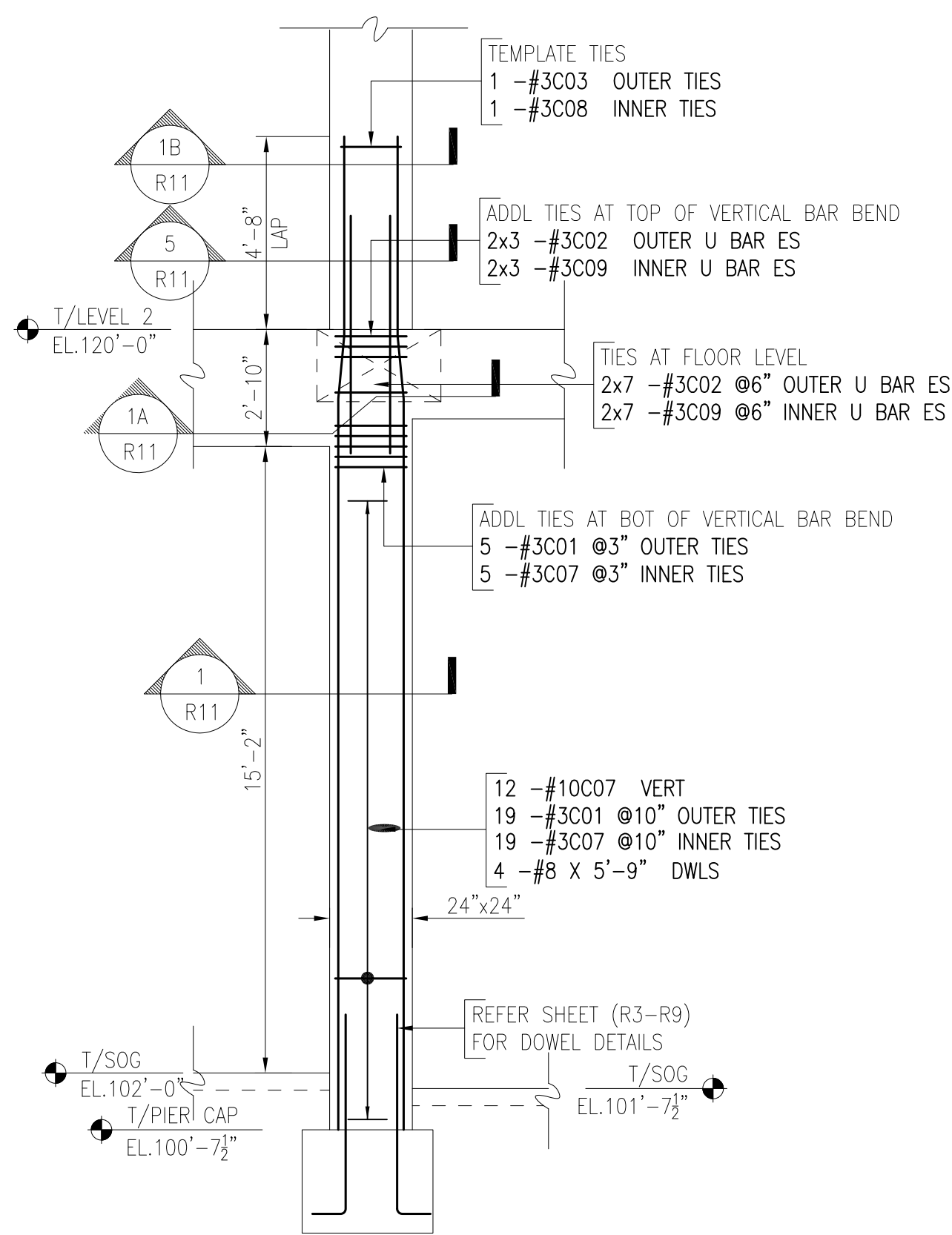
REFERENCE D.W.G.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED
UNLESS NOTED OTHERWISE 60, UNCOATED U.N.O

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

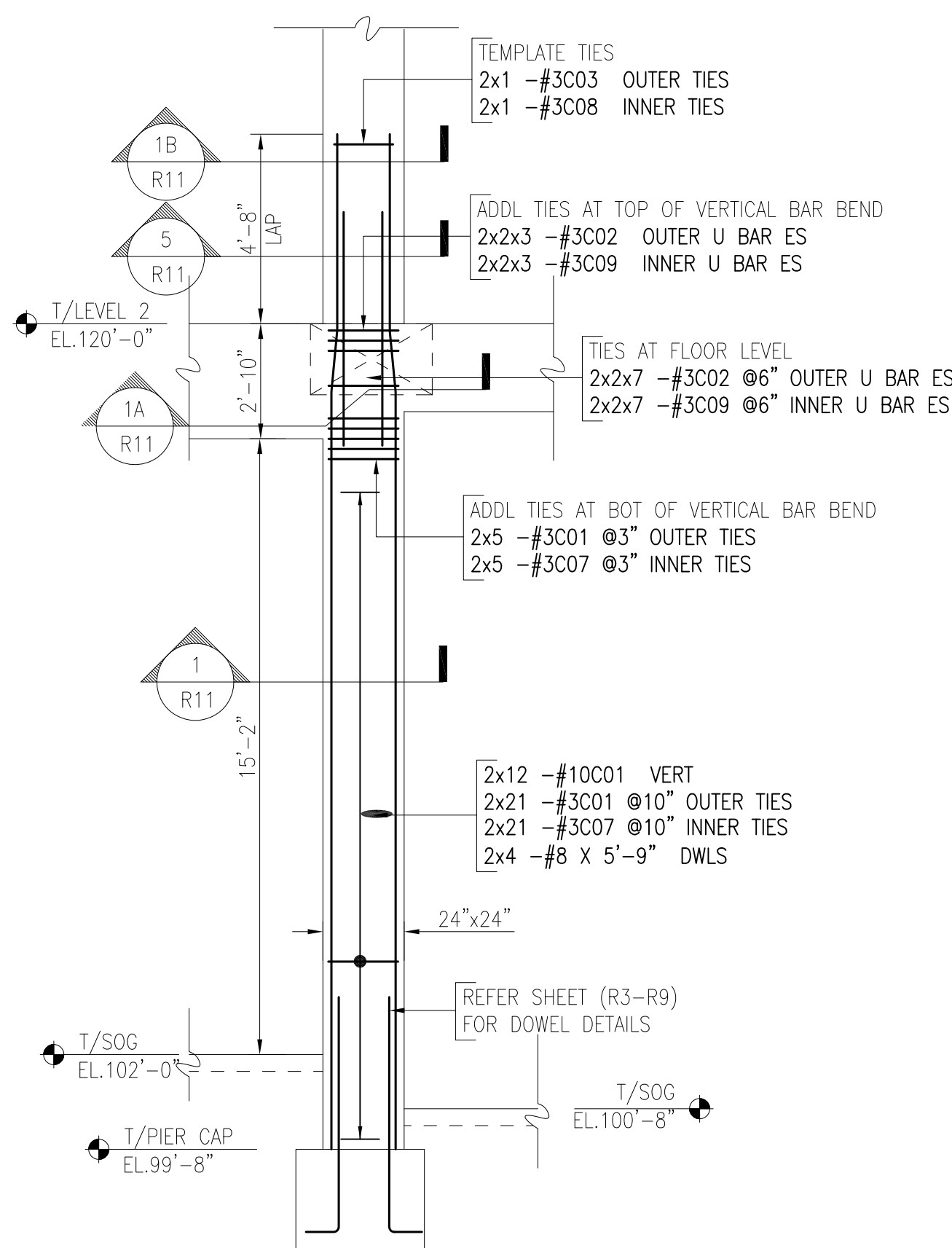
REINFORCING STEEL PLACING DRAWINGS MUST ONLY BE USED IN CONJUNCTION WITH PROJECT CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON THIS DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.

02/15/16	0	APPROVAL	02/15/16	APPROVAL	
DATE	REV.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC					
2304 Tulson Lane,					
Bowie MD 20721					
Phone #240-786-6543					
PROJECT		THE SHOPS AT CLEARFORK			
LOCATION		A CASSCO/SIMON CENTER			
ARCHITECT					
ENGINEER					
CUSTOMER					
Drawn By:	ROH	Date:	02/15/16	Reviewed By:	ROH
Drawing Covers:		A1 BUILDING—FDN TO LEVEL 2		Drawing no.	
		COLUMN REINF. DETAILS		A1-R10	



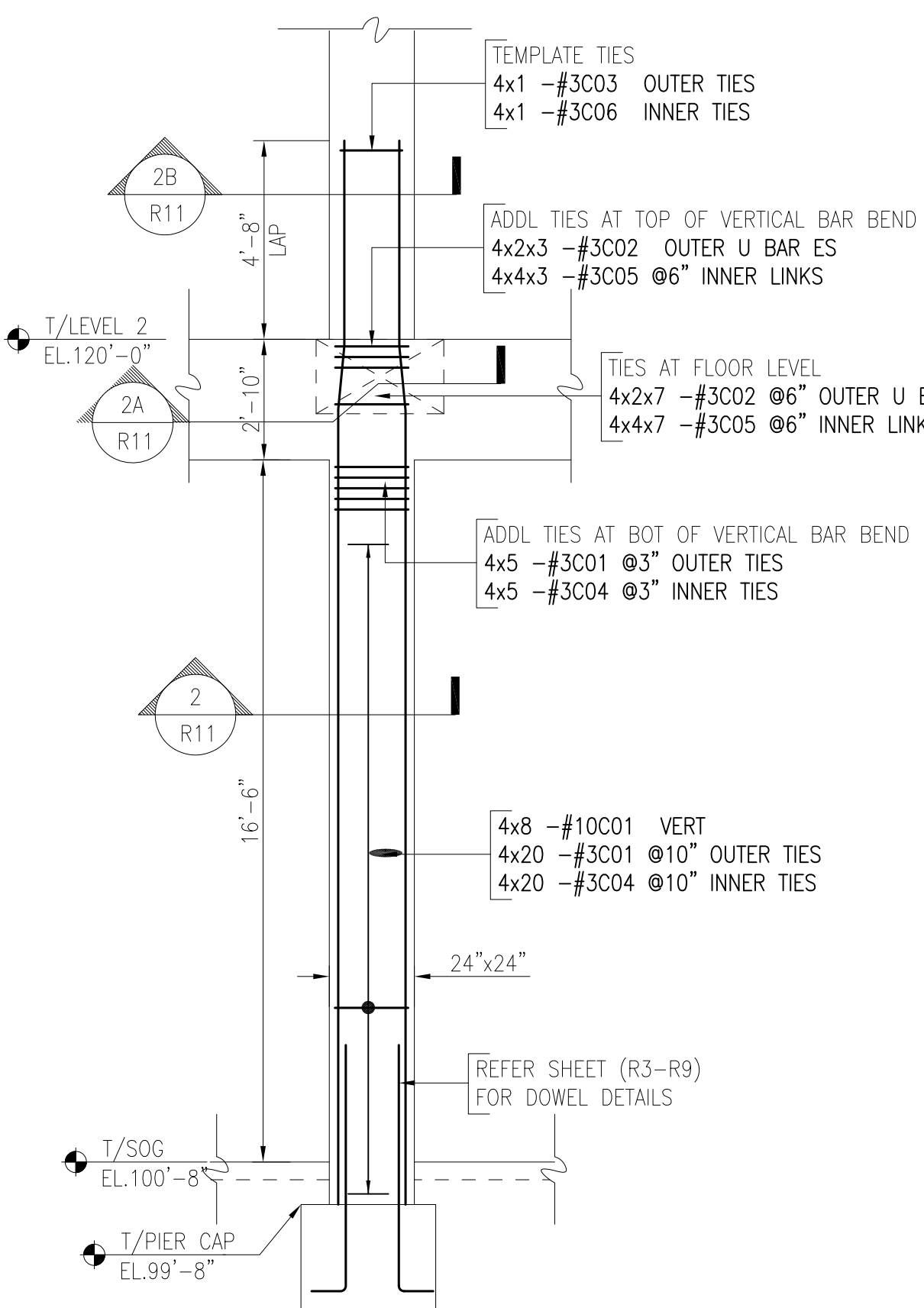
COLUMN C2
AT GRID 1-E

REF: S201-S205, S901, S911, S921 (01/20/16)



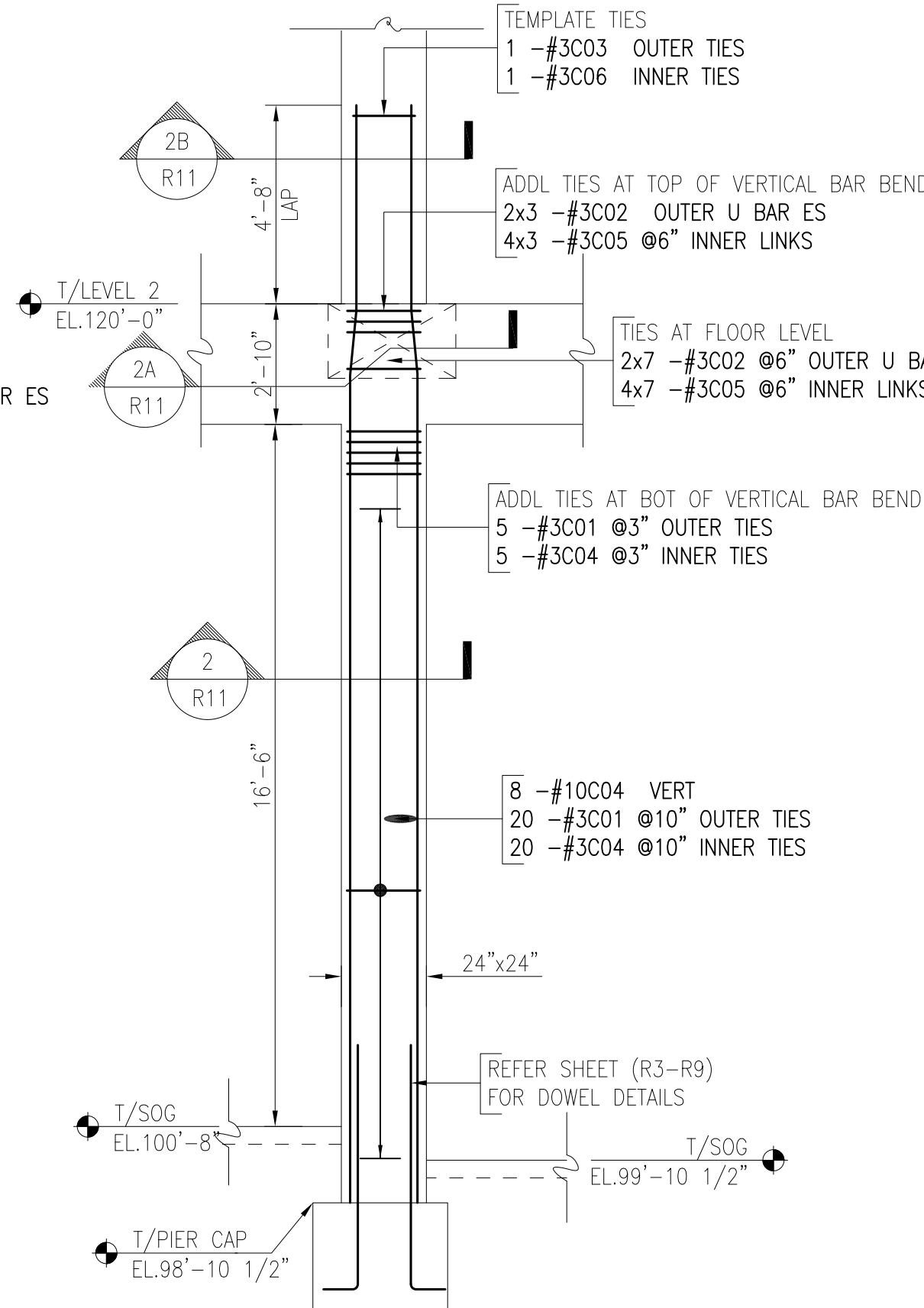
TYPICAL AT 2 PLACES
COLUMN C2
AT GRID 2&3-E

REF: S201-S205, S901, S911, S921 (01/20/16)



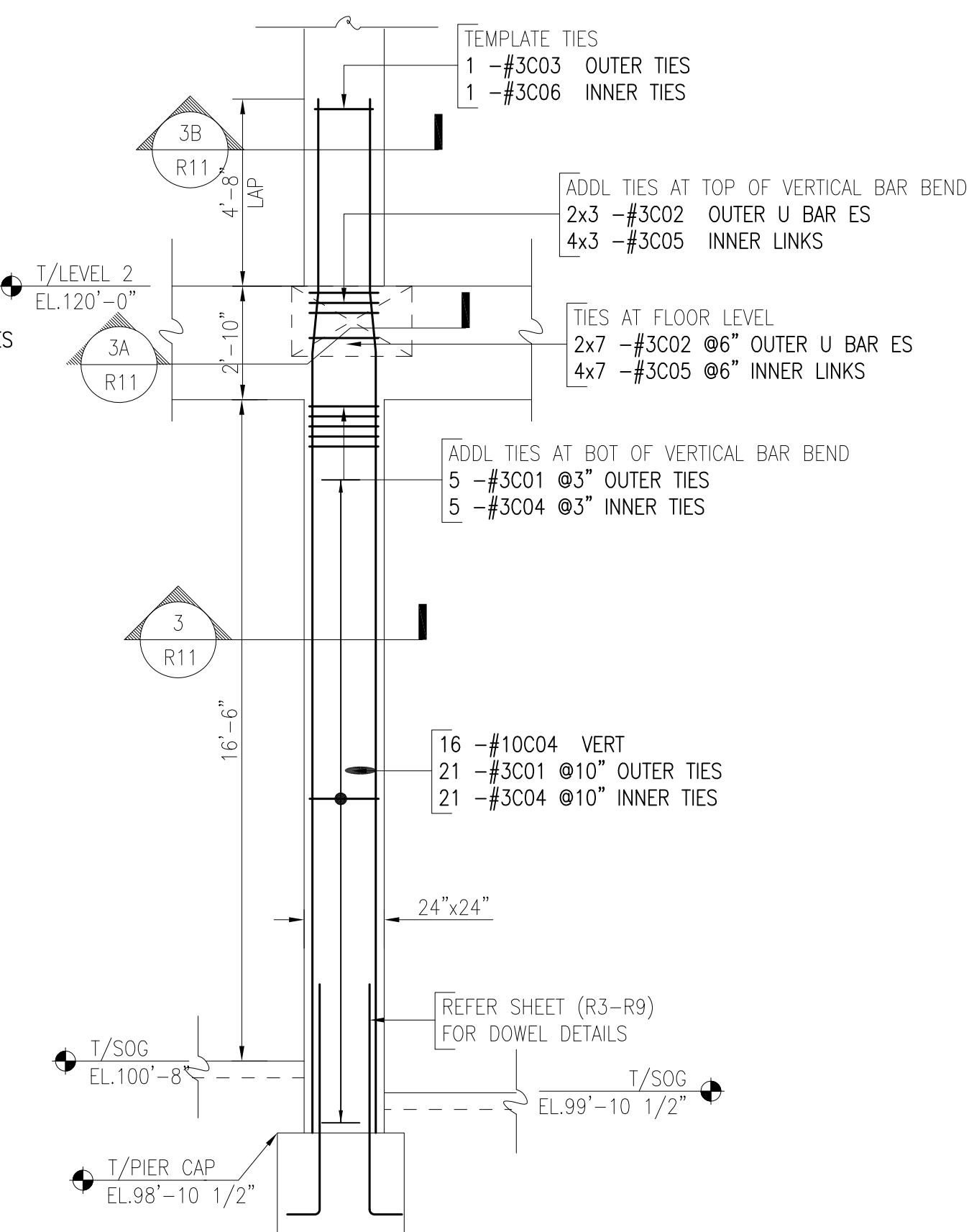
TYPICAL AT 4 PLACES
COLUMN C5
AT GRID 2&3-B&D

REF: S201-S205, S901, S911, S921 (01/20/16)



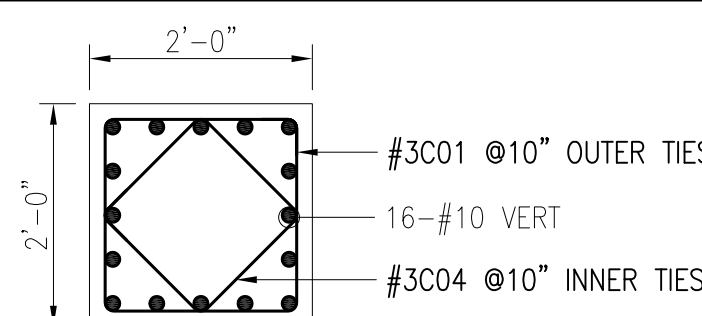
COLUMN C5
AT GRID 4-B

REF: S201-S205, S901, S911, S921 (01/20/16)

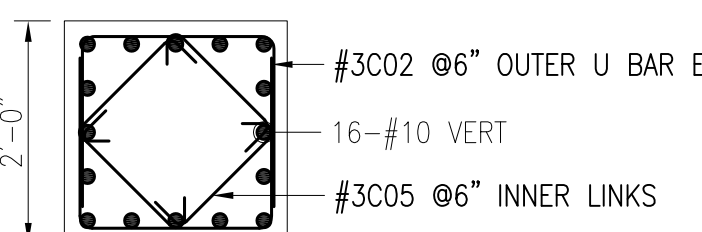


COLUMN C6
AT GRID 4-D

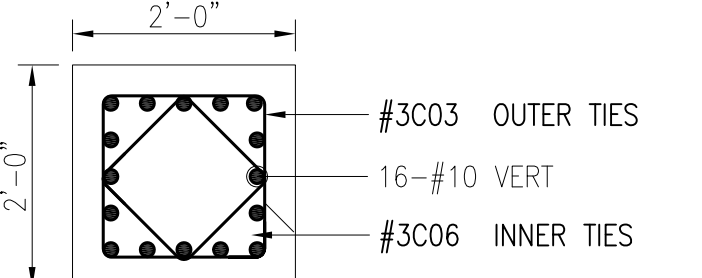
REF: S201-S205, S901, S911, S921 (01/20/16)



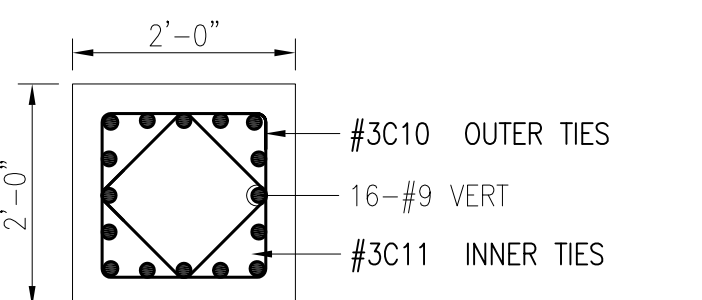
SECTION-3
REF: S-901 (12/18/15)



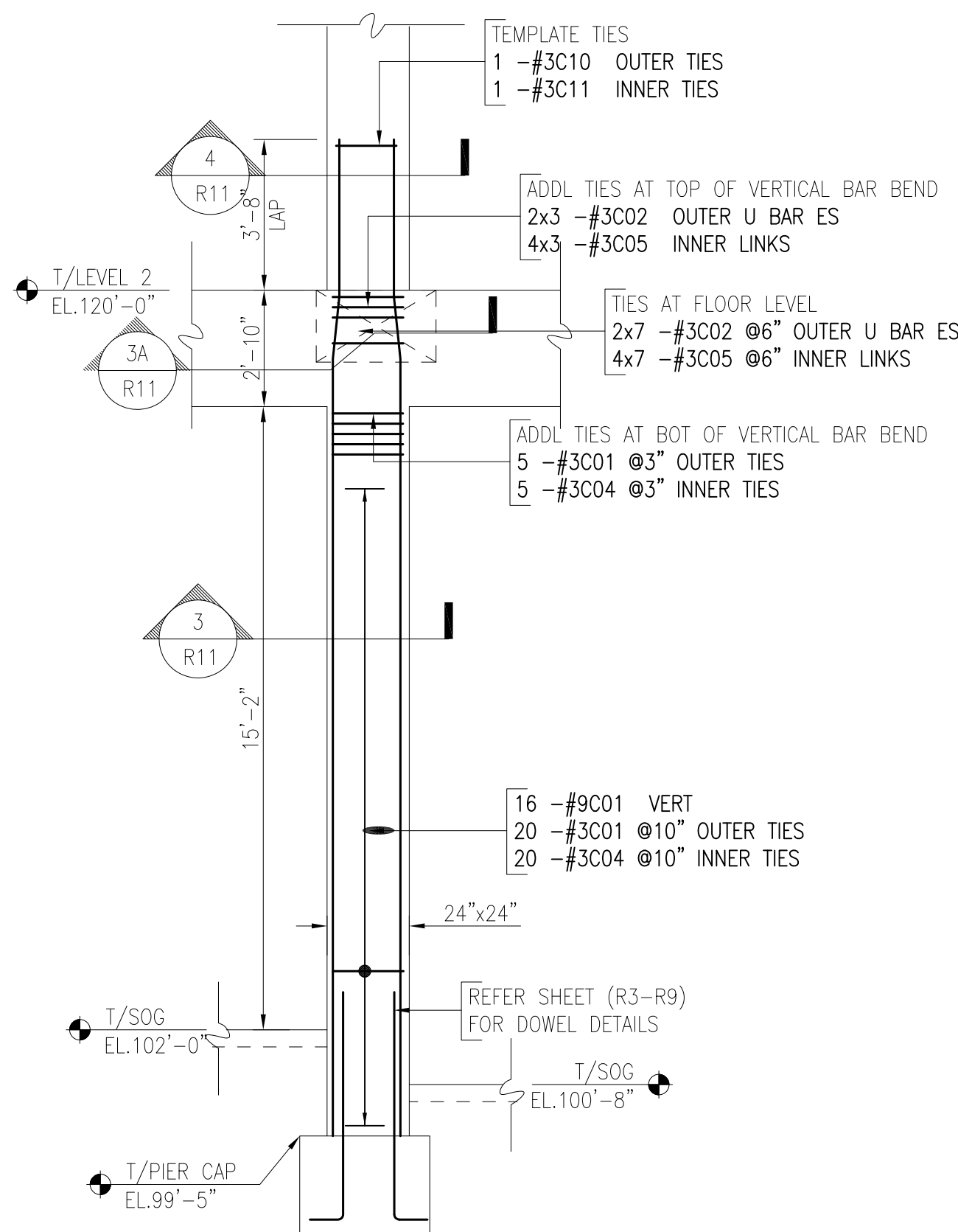
SECTION-3A
REF: S-901 (12/18/15)



SECTION-3B
REF: S-901 (12/18/15)

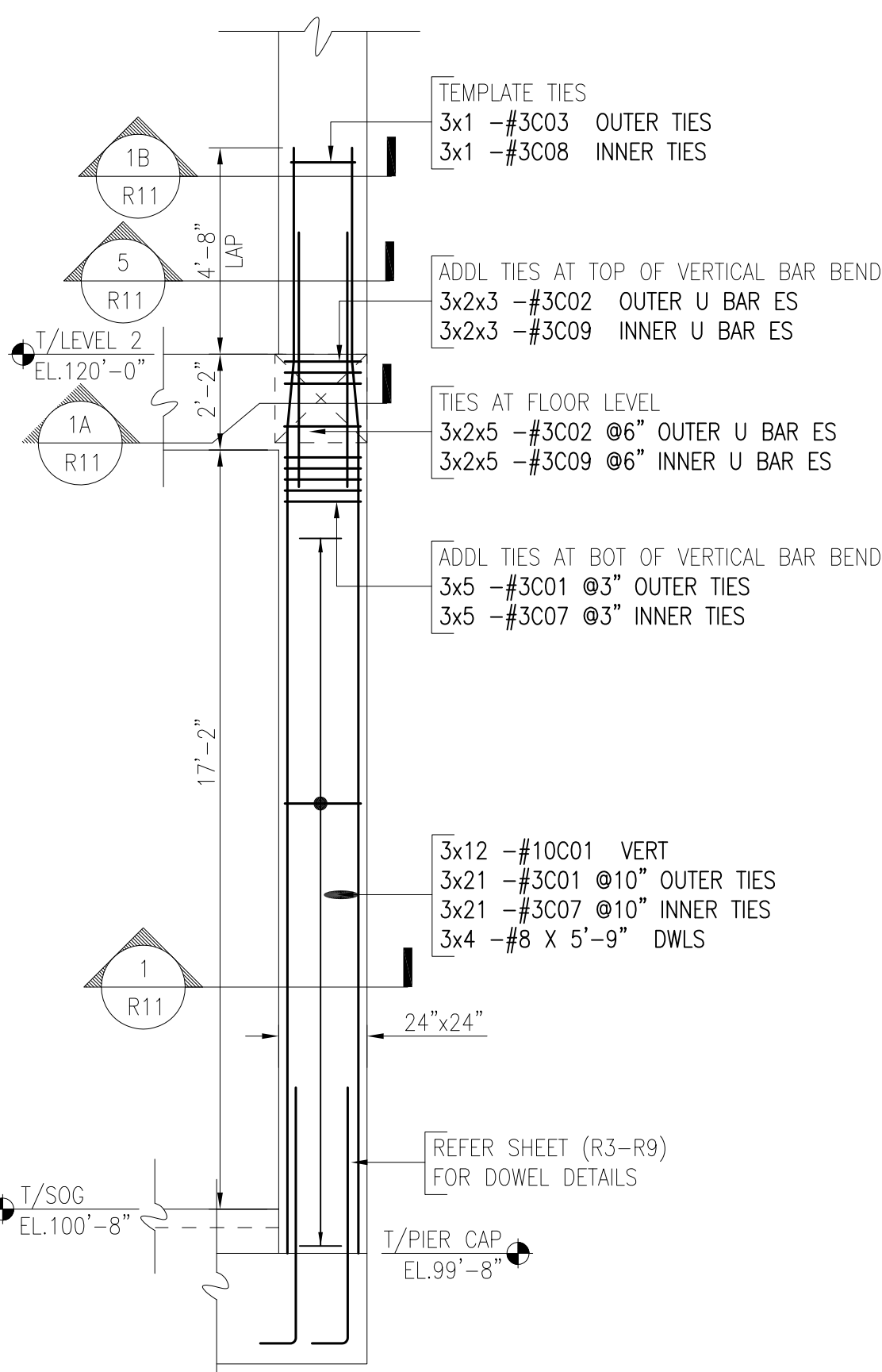


SECTION-4
REF: S-901 (12/18/15)



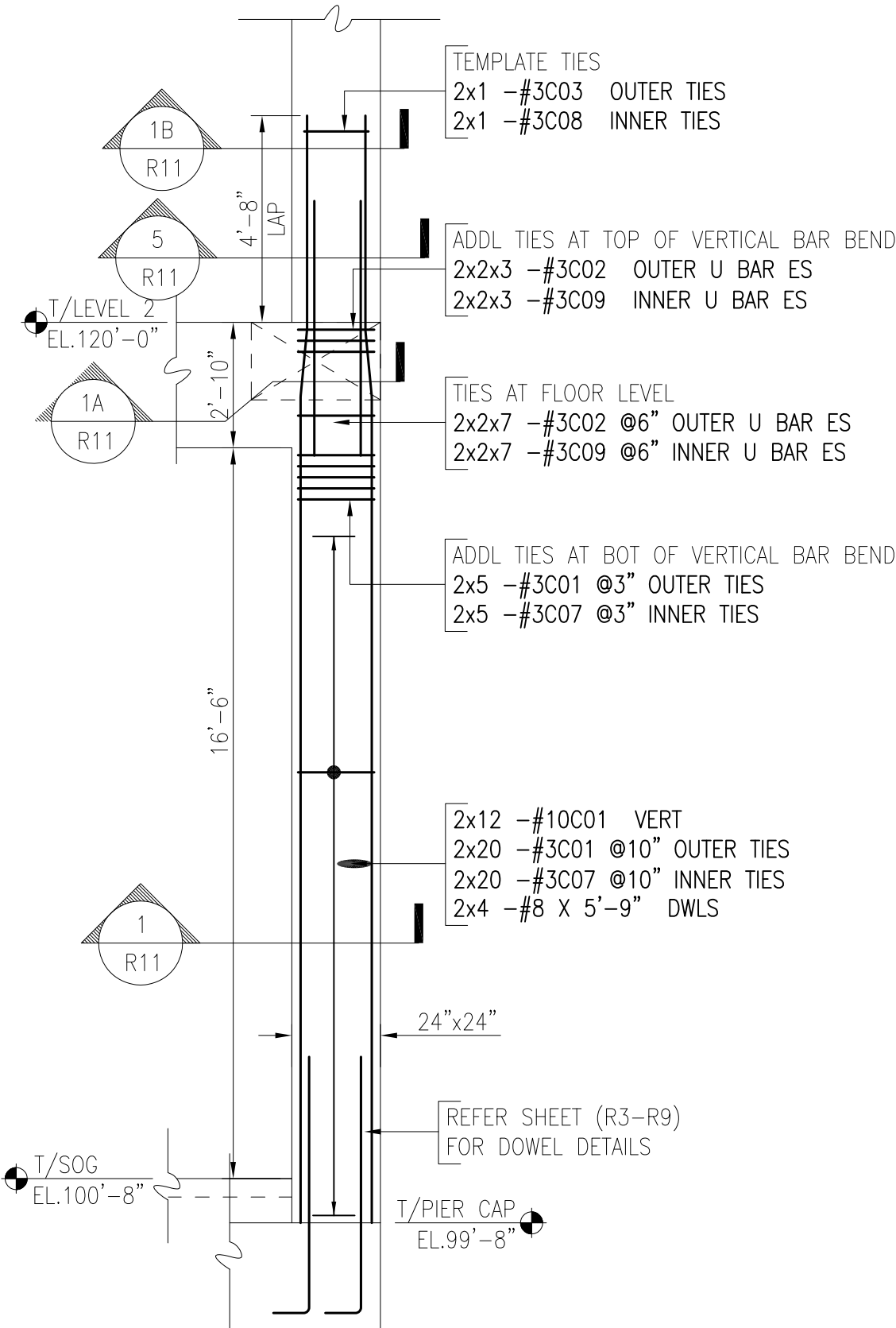
COLUMN C3
AT GRID 4-E

REF: S201-S205, S901, S911, S921 (01/20/16)



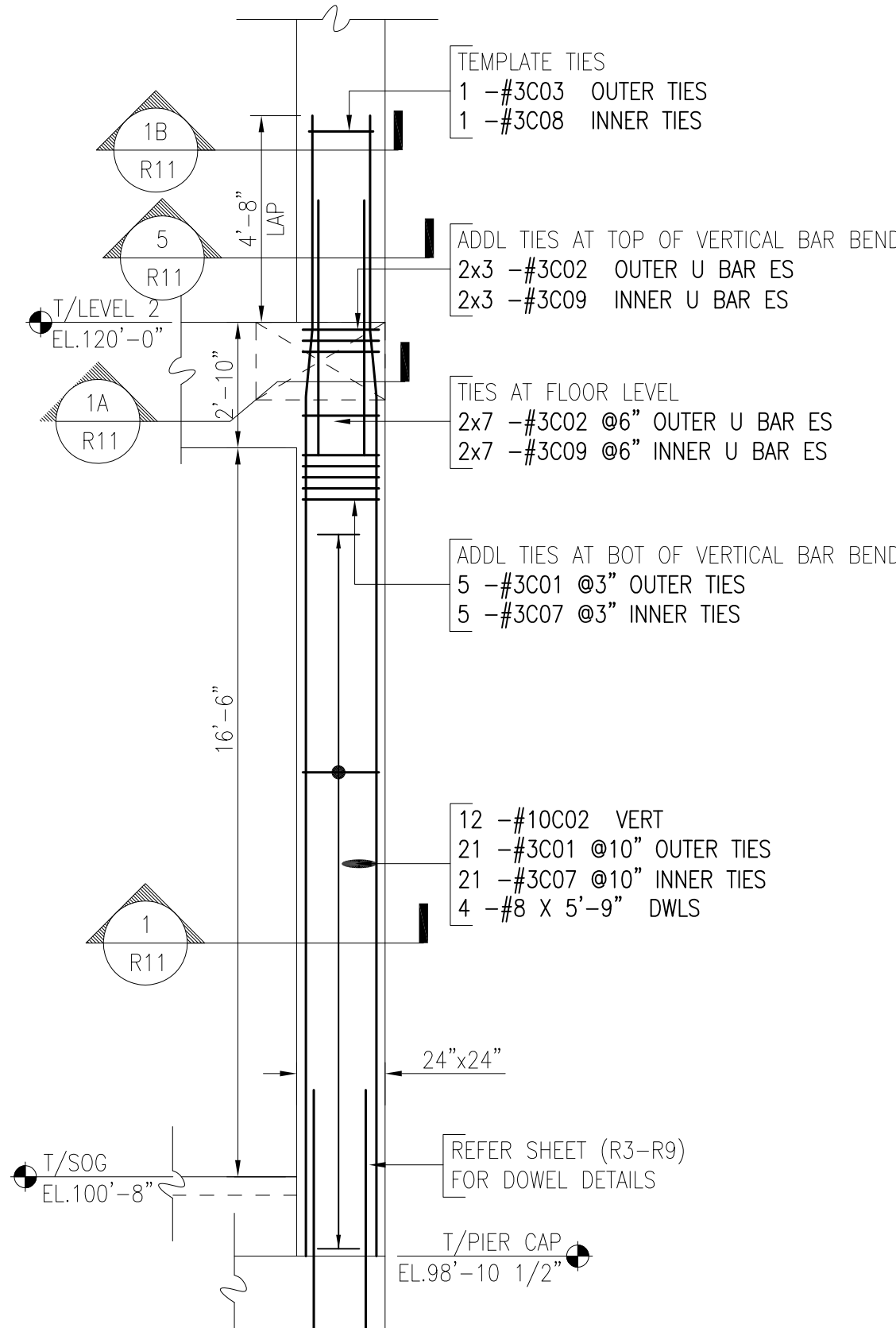
TYPICAL AT 3 PLACES
COLUMN C4
AT GRID 1-A,B&D

REF: S201-S205, S901, S911, S921 (12/18/15)



TYPICAL AT 2 PLACES
COLUMN C4
AT GRID 2&3-A

REF: S201-S205, S901, S911, S921 (12/18/15)



COLUMN C4
AT GRID 4-A

REF: S201-S205, S901, S911, S921 (12/18/15)

Release Code: R11														
Bar Mark	Qty	Size	Total length	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'
3C01	486	#3	78' 12"	04'	19'	19'	19'	19'	19'	04'				
3C02	308	#3	4' 10" 07"	16 3/8"	19'	16 3/8"								
3C03	15	#3	67' 12"	04'	16'	16'	16'	16'	04'					
3C04	176	#3	5' 10" 14"	04'	13 3/8"	13 3/8"	13 3/8"	13 3/8"		19'		19'	13 3/8"	
3C05	280	#3	11' 11" 19"	04'	13'				04'					
3C06	5	#3	51' 14"	04'	11'	11'	11'	11'	04'	16'		16'	11'	
3C09	168	#3	37' 14"	08 3/8"	09'	08 3/8"	09'	08 3/8"		06 3/8"		06 3/8"	19'	
3C10	1	#3	68' 12"	04'	16'	16'	16'	16'	04'					
3C11	1	#3	51 3/8" 14"	04'	11 3/8"	11 3/8"	11 3/8"	11 3/8"	04'	16'		16'	11 3/8"	
9C01	16	#9	24' 3" 31"		3' 10"	16'	16' 11"			03'	16'	16'	24' 3"	
10C01	116	#10	25' 0" 31"		4' 10"	16'	16' 8"			03'	16'	16'	25' 0"	
10C02	12	#10	25' 9" 31"		4' 10"	16'	19' 5"			03'	16'	16'	25' 9"	
10C04	24	#10	25' 9 3/8" 31"		4' 10"	16'	19 3/8"			03'	16'	16'	25' 9 3/8"	
10C07	12	#10	24' 8 3/8" 31"		4' 10"	16'	17' 8 3/8"			03'	16'	16'	24' 8 3/8"	

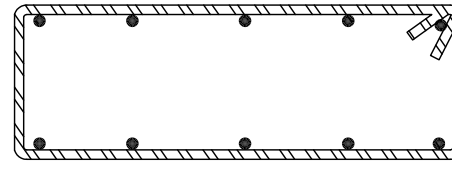
Release Code: R11-SPL BEND T4C														
Bar Mark	Qty	Size	Total length	Type	'B'	'C'	'D'	'C1'	'C2'	'D2'	'C3'	'D3'	'E'	'D'
3C07	230	#3	72 3/8" 14C	08 3/8"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 3/8"	19'
3C08	9	#3	63 3/8" 14C	07 3/8"	07 3/8"	07 3/8"	07 3/8"	07 3/8"	07 3/8"	07 3/8"	07 3/8"	07 3/8"	16'	19'

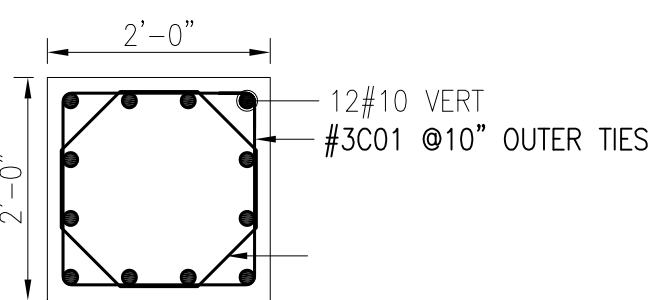
REFERENCE DWG.
REINFORCING BARS ARE
ASTM A631 GRADE 60 UNCOATED
UNLESS NOTED OTHERWISE
GRADE 60, UNCOATED U.N.O.

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

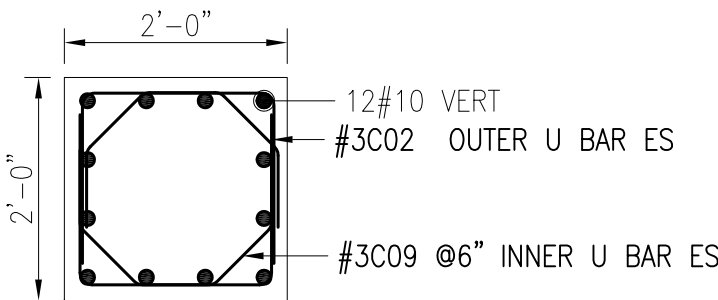
V Vertical
H Horizontal
EW Each Way
B/Bot Bottom
T Top
SB Support Bars

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.

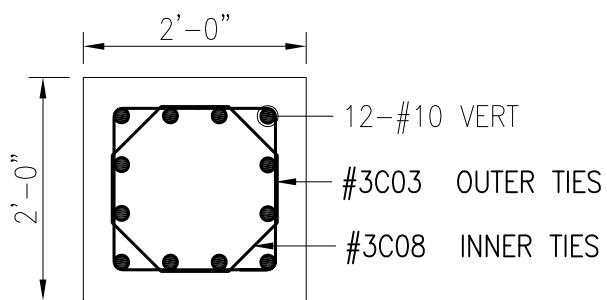
02/15/16	0	APPROVAL	02/15/16	APPROVAL	
DATE	REV. NO.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
					
PROJECT		THE SHOPS AT CLEARFORK			
LOCATION		A CASSCO/SIMON CENTER			
ARCHITECT		FORTWORTH, TX			
ENGINEER					
CUSTOMER					
Drawn By: ROH		Date: 02/15/16	Reviewed By: ROH	Job No.	
Drawing Covers: A1 BUILDING-FDN TO LEVEL 2 COLUMN REINF. DETAILS					
				Drawing no. A1-R11	



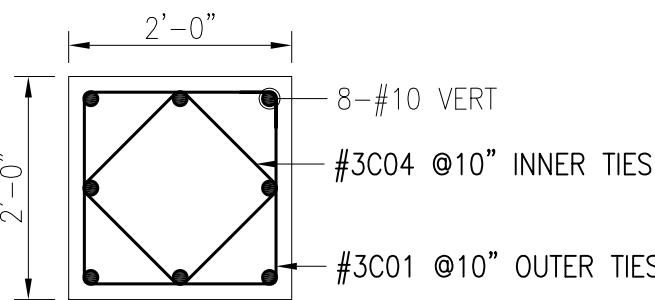
SECTION-1
REF: S901 (12/28/16)



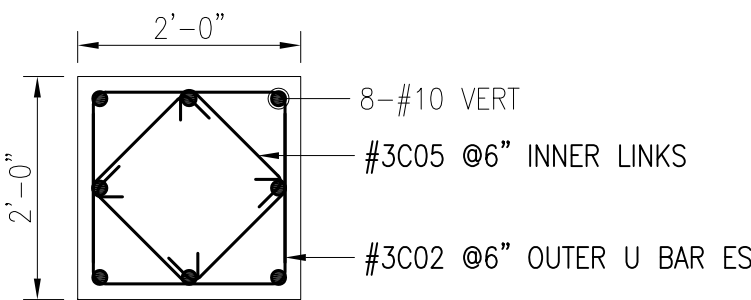
SECTION-1A
REF: S901 (12/28/16)



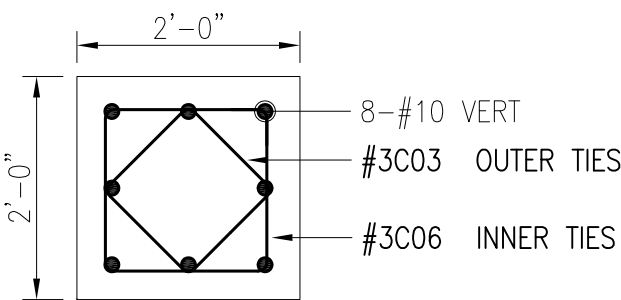
SECTION-1B
REF: S-901 (12/18/15)



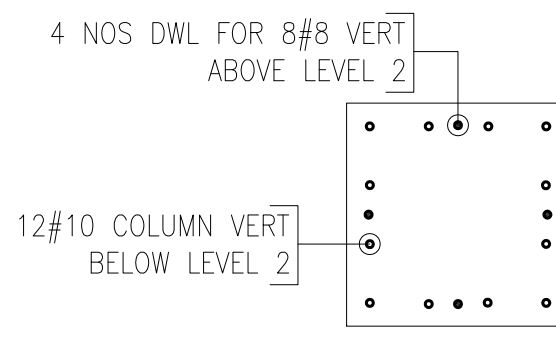
SECTION-2
REF: S-901 (12/18/15)



SECTION-2A
REF: S-901 (12/18/15)



SECTION-2B
REF: S-901 (12/18/15)



SECTION-5
REF: S-901 (12/18/15)



TYPICAL AT 2 PLACES

COLUMN C1

AT GRID 2&3-F

TYPICAL AT 5 PLACES
COLUMN C4
AT GRID 7&8-A, 8-C,D,E

TYPICAL AT 2 PLACES

COLUMN C4

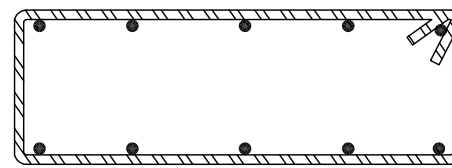
AT GRID 5,6-A

COLUMN C3
AT GRID 5-E

TYPICAL AT 2 PLACES
COLUMN C8
GRID 7-C&D

TYPICAL AT 4 PLACES
COLUMN C6
AT GRID 5&6-C&D

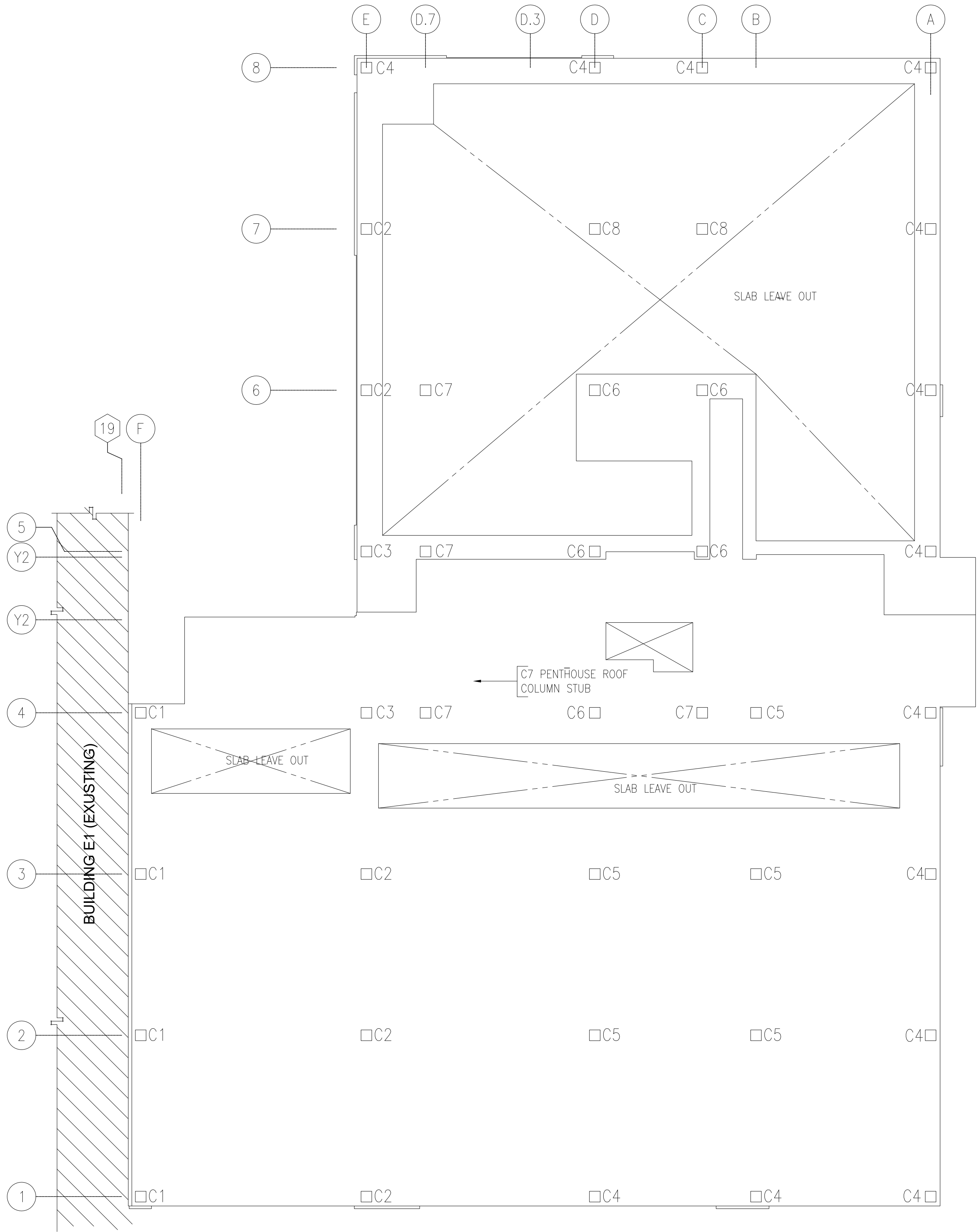
TYPICAL AT 2 PLACES
COLUMN C2
AT GRID 6&7-E

02/15/16	0	APPROVAL		02/15/16	APPROVAL		
DATE	REV. NO.	DESCRIPTION		DATE	SENT FOR		
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543							
PROJECT	THE SHOPS AT CLEARFORK						
	A CASSCO/SIMON CENTER						
LOCATION	FORTWORTH, TX						
ARCHITECT							
ENGINEER							
CUSTOMER							
Drawn By:	Date:	Reviewed By:	Job No.				
ROH	02/15/16	ROH					
Drawing Covers:	A1 BUILDING-FDN TO LEVEL 2 COLUMN REINF. DETAILS					Drawing no. A1-R12	

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

PROJECT	THE SHOPS AT CLEARFORK
	A CASSCO/SIMON CENTER
LOCATION	FORTWORTH, TX

CUSTOMER			
Drawn By:	ROH	Date:	02/15/16
Reviewed By:	ROH	Job No.	
Drawing Covers:	A1 BUILDING-FDN TO LEVEL 2 COLUMN REINF. DETAILS		Drawing no. A1-R12



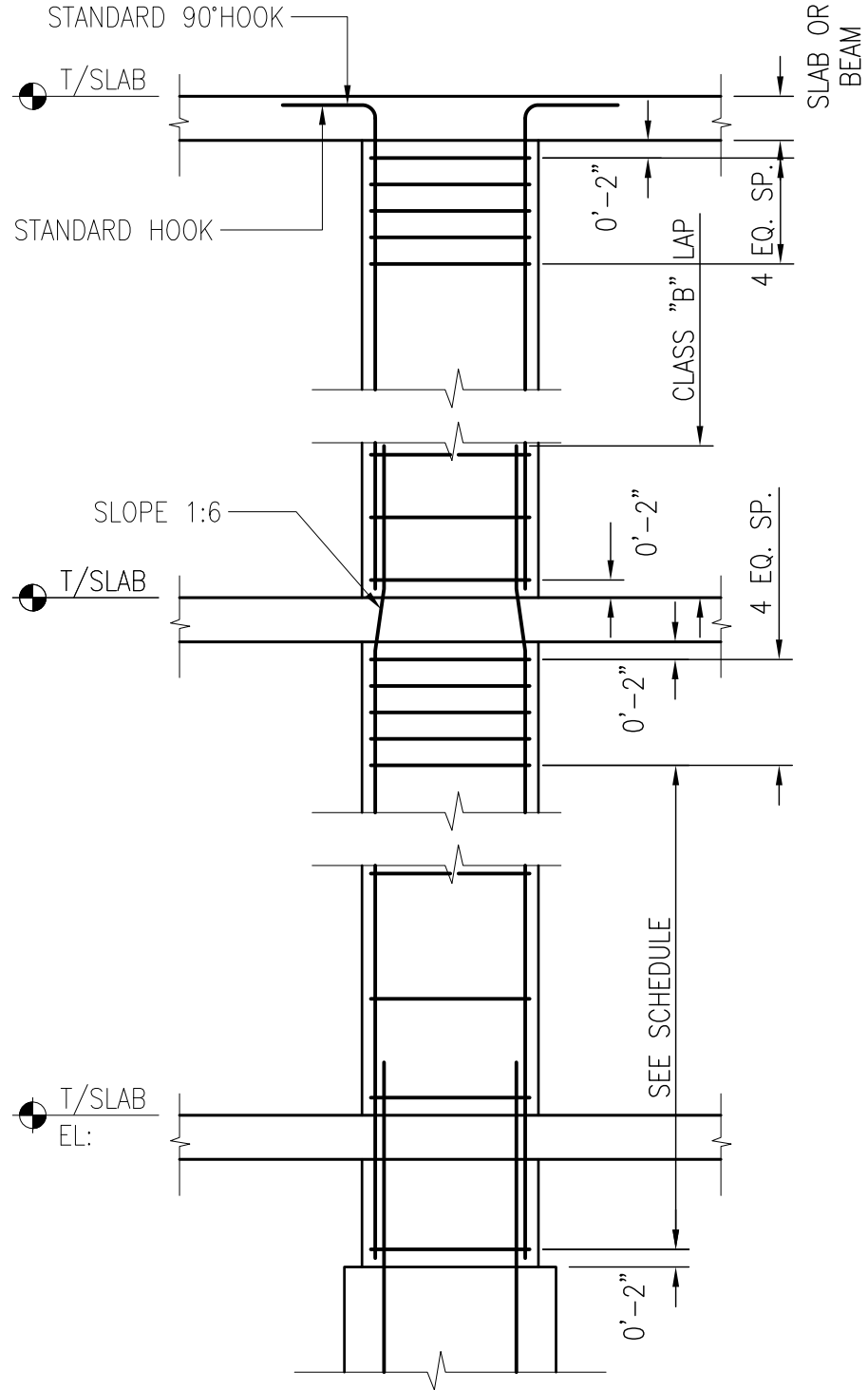
COLUMN KEY PLAN – A1 BUILDING
REF: S201–S205 (03/09/16)

- NOTES:
- 1. FINISHED FLOOR ELEVATION LEVEL = REFER COLUMN ELEVATION
 - 2. CONCRETE COVER FOR COLUMNS FOR TIES = 1 1/2"
 - 3. STOCK LENGTH USED IS #3 & #4 40'-0" #5 & ABOVE 60'-0"
 - 4. LAP SPLICES ARE USED AS PER SHEET S301 FOR CONCRETE

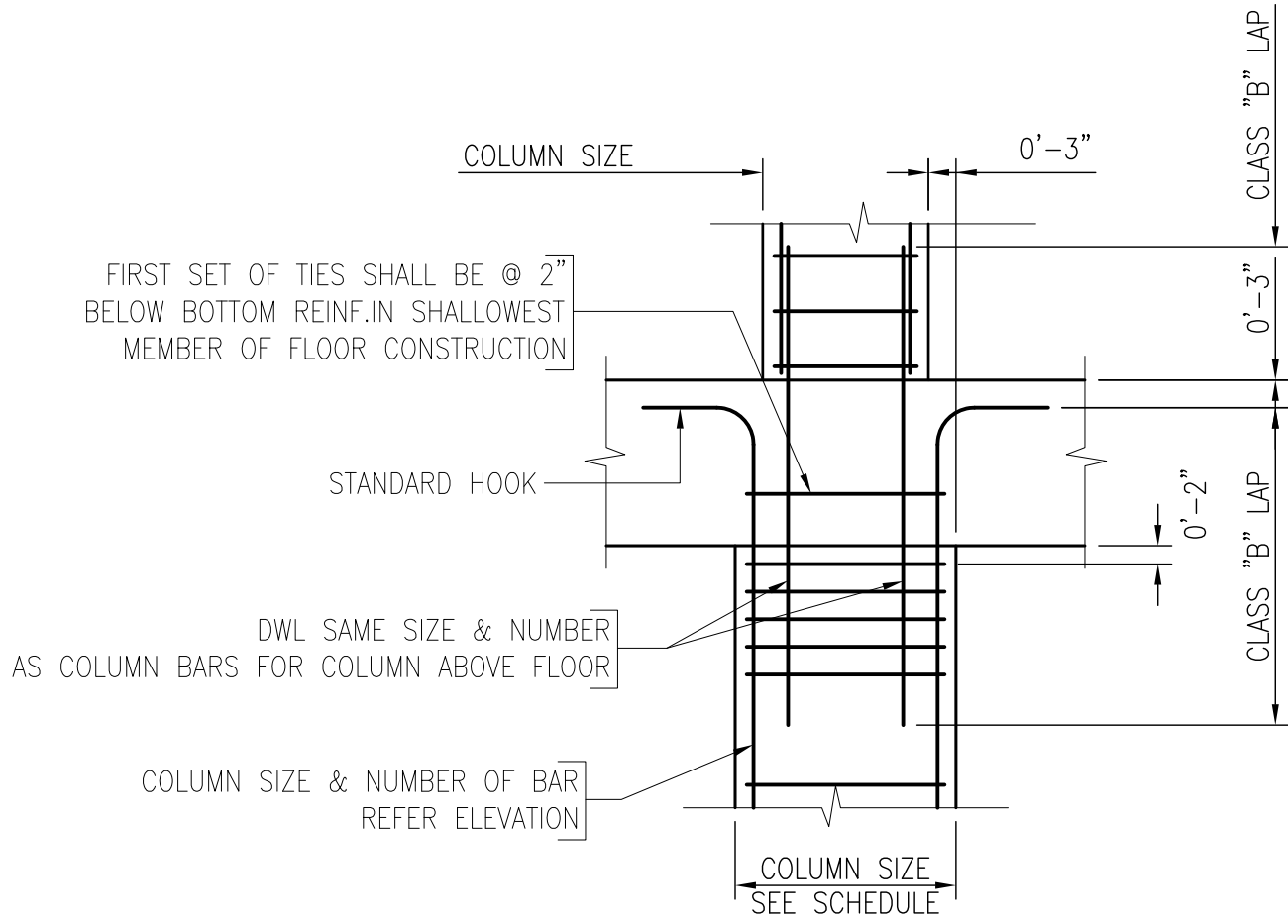
LAP NOTES:
LAP VALUE AS PER SHEET S301

CLASS B LAP 5000 PSI FOR FDN & WALLS		
SIZE	TOP	OTHERS
#3	16"	16"
#4	22"	17"
#5	27"	21"
#6	33"	25"
#7	38"	31"
#8	43"	33"
#9	58"	44"
#10	73"	56"
#11	90"	69"

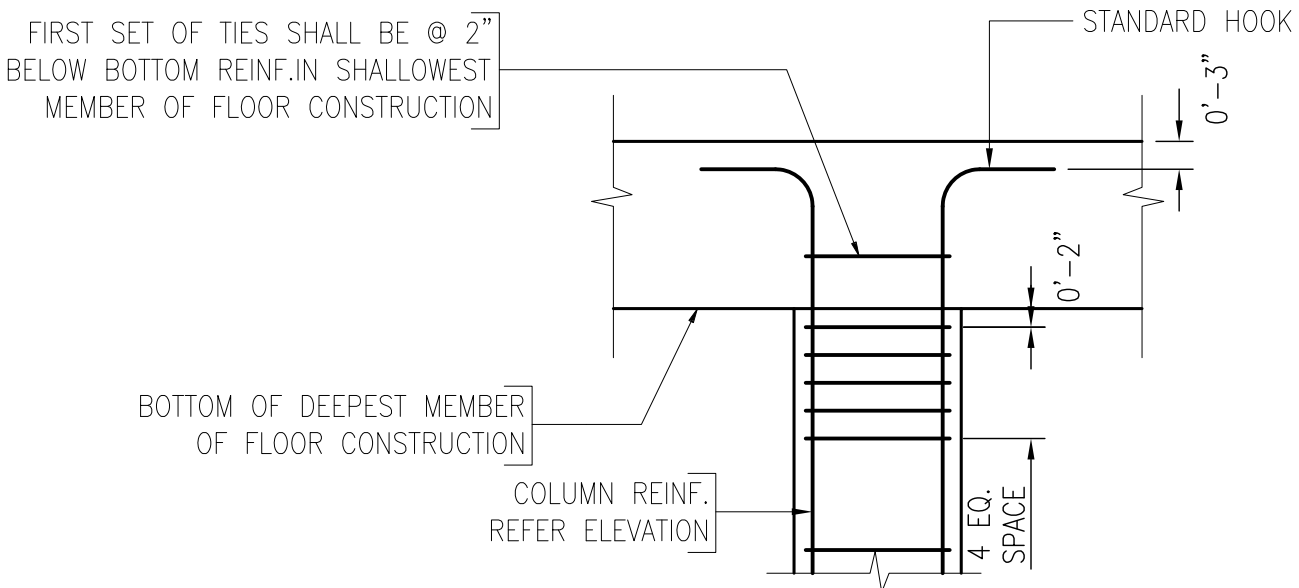
- LEGENDS:
- ADDL – ADDITIONALS
 - COL – COLUMN
 - DWL – DOWEL
 - ES – EACH SIDE
 - FTG – FOOTING
 - REINF – REINFORCEMENT
 - STIR – STIRRUP
 - T&B – TOP & BOTTOM
 - TEMP – TEMPERATURE
 - T/COL – TOP OF COLUMN
 - T/FTNG – TOP OF FOOTING
 - T/SLAB – TOP OF SLAB
 - VERT – VERTICAL



TYP. COLUMN ELEVATION DETAIL
REF: 8/S901 (11/18/15)



TYP. COLUMN REINF. LAP SPLICE DETAIL
REF: 7/S901 (11/18/15)

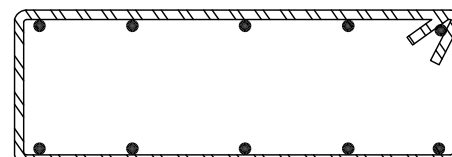


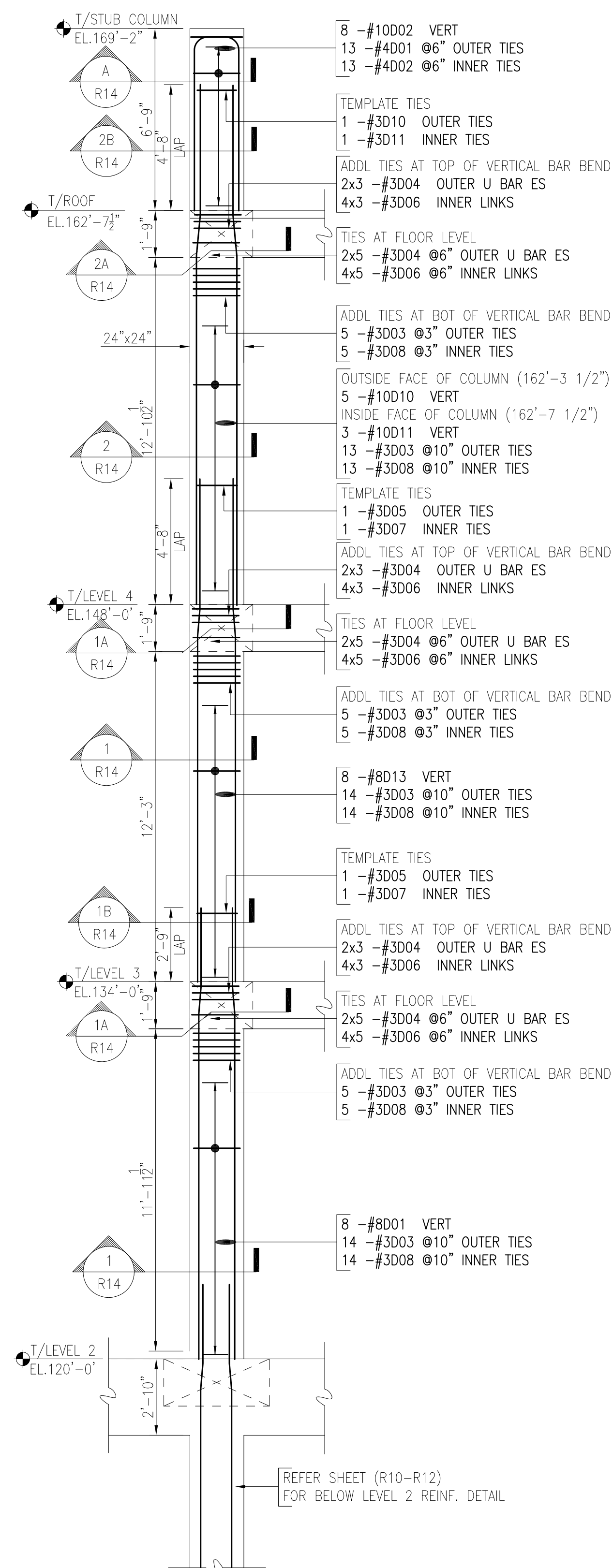
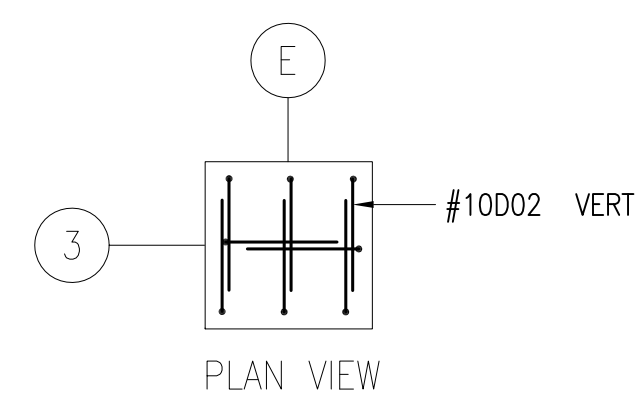
TYPICAL COLUMN AT ROOF DETAIL
REF: 1/S901 (11/18/15)

REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED
UNLESS NOTED OTHERWISE 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.

02/18/16	0	APPROVAL	02/18/16	APPROVAL	
DATE	REV.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
PROJECT	THE SHOPS AT CLEARFORK				
LOCATION	A CASSCO/SIMON CENTER				
ARCHITECT	FORTWORTH, TX				
ENGINEER					
CUSTOMER					
Drawn By:	ROH	Date:	02/18/16	Reviewed By:	Job No.
Drawing Covers: A1 BUILDING-LEVEL 2 TO ROOF COLUMN REINF.DETAIL				Drawing no. A1-R13	



Release Code: R14-SPL BEND DC2				BENDING DETAILS.												
Bar Mark	Qty	Size	Total length	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'I'	'J'	'K'	'L'	'M'
8054	8	#8	15' 0"	14"	14"											
8056	8	#8	7' 0"	14"	6 1/4"											
10002	8	#10	8' 4"	10"	6 1/4"											

T2

T4

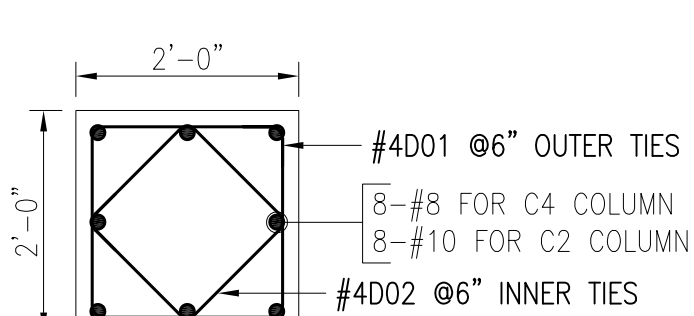
T9

T12

HOLD THIS DIMENSION

COLUMN C2
AT GRID 3-E

REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)



SECTION-A
REF: S-901 (12/18/15)

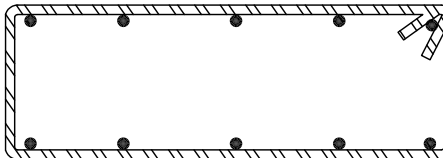
REFERENCE DWG.

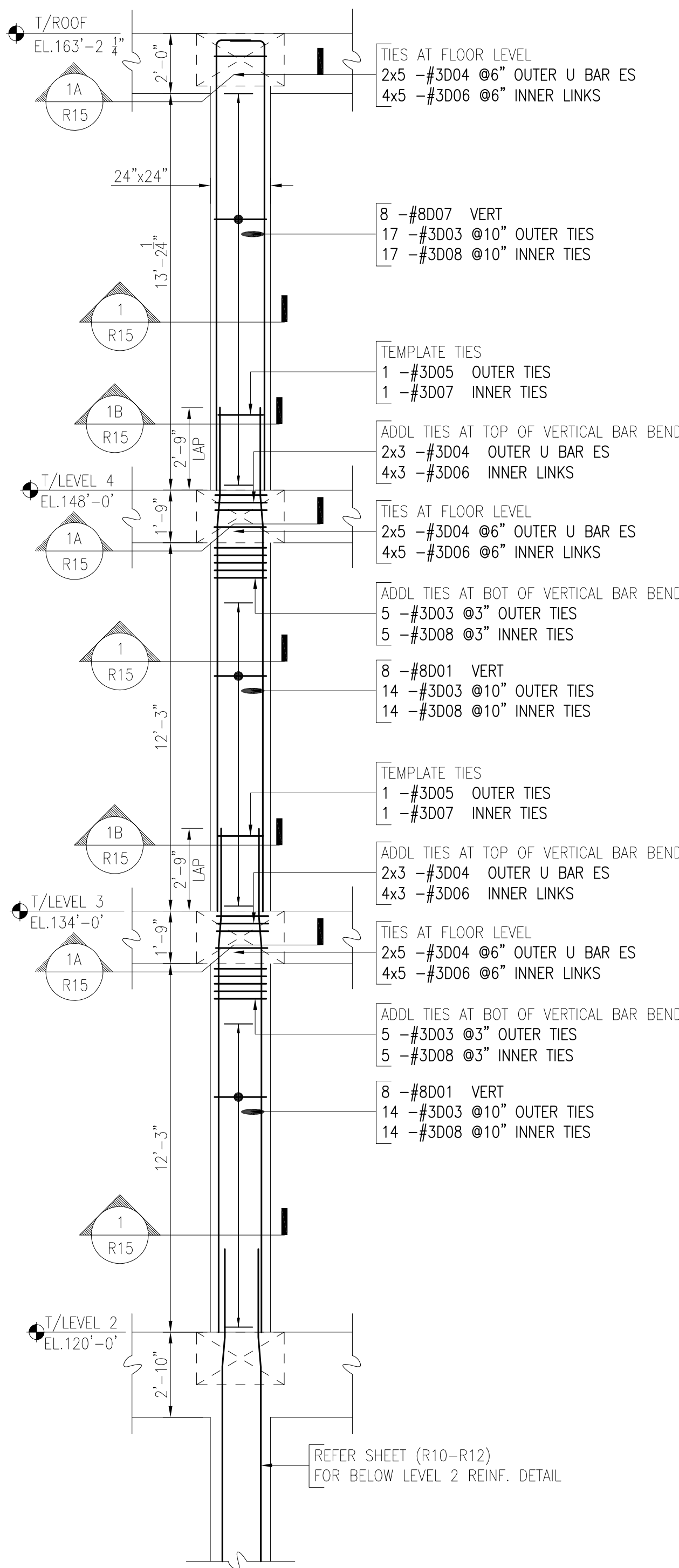
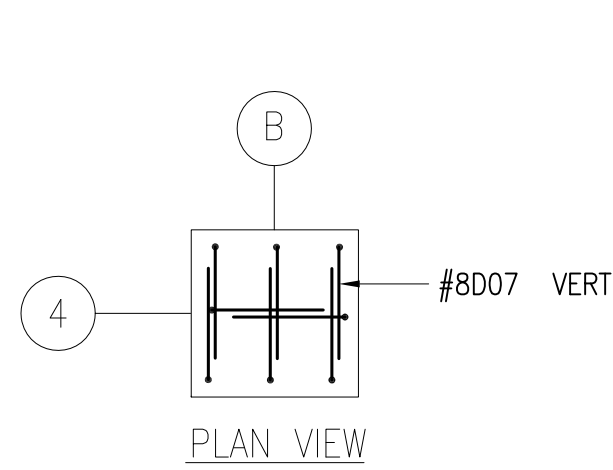
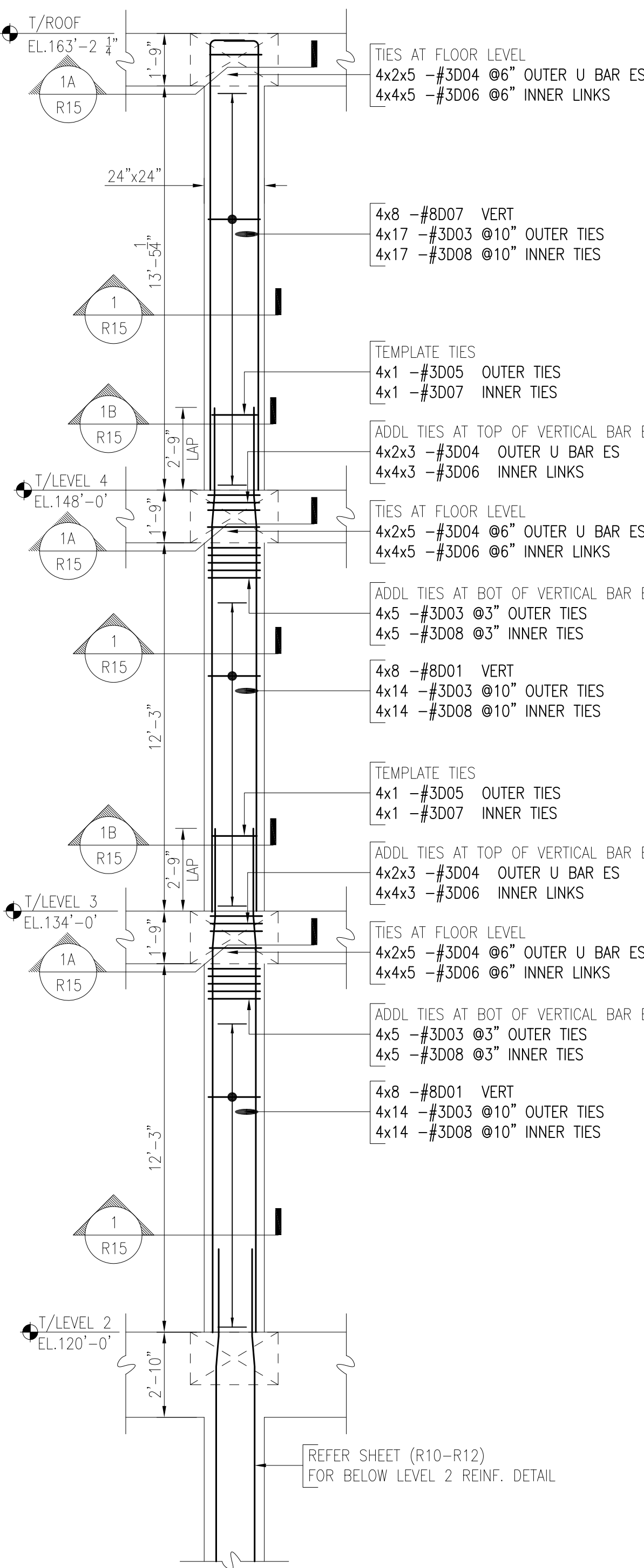
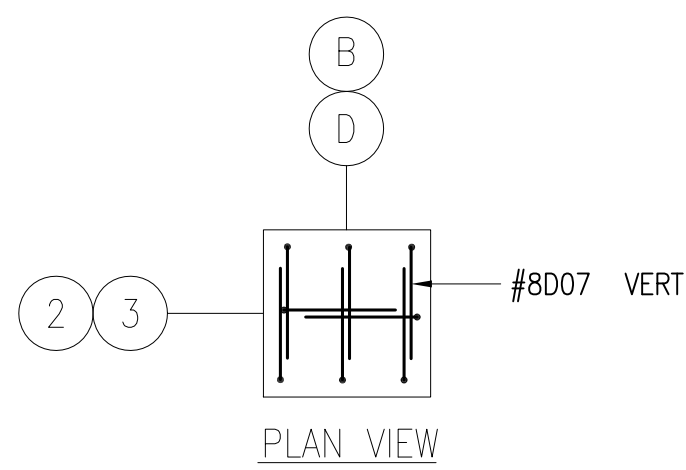
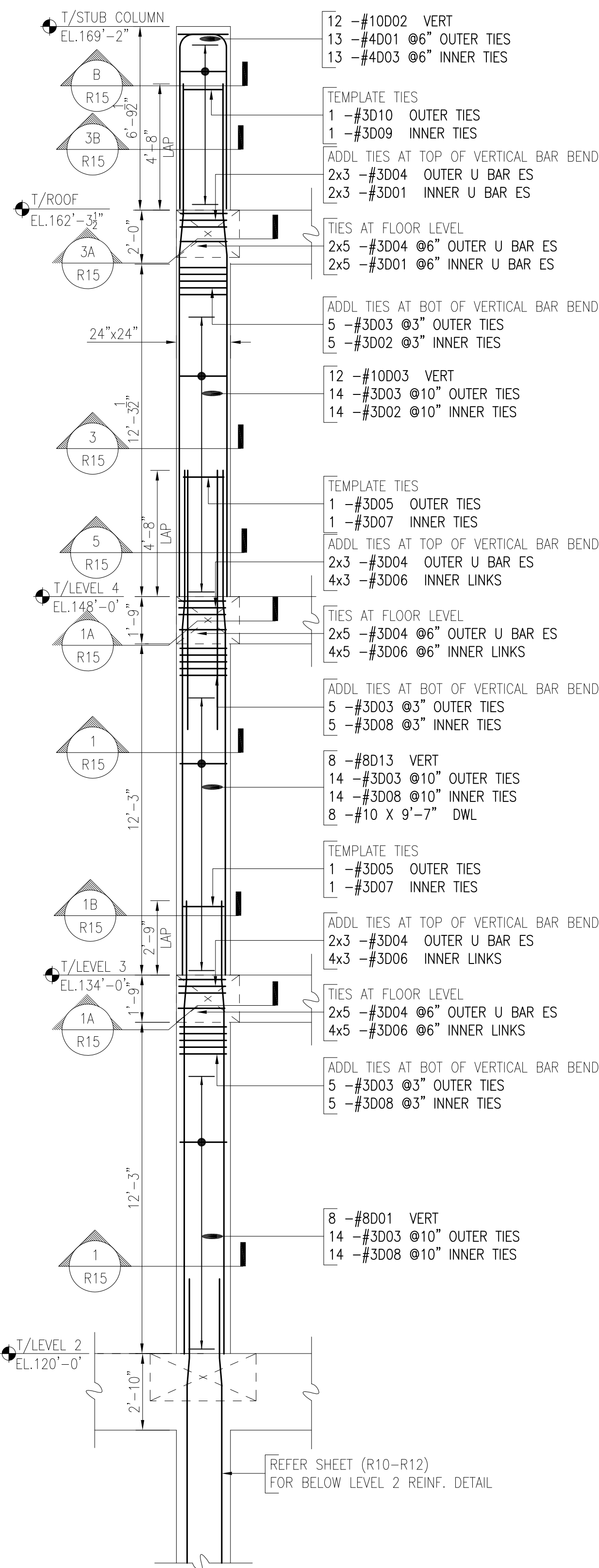
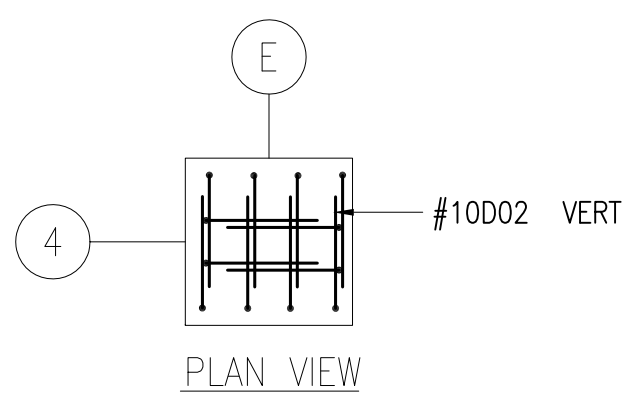
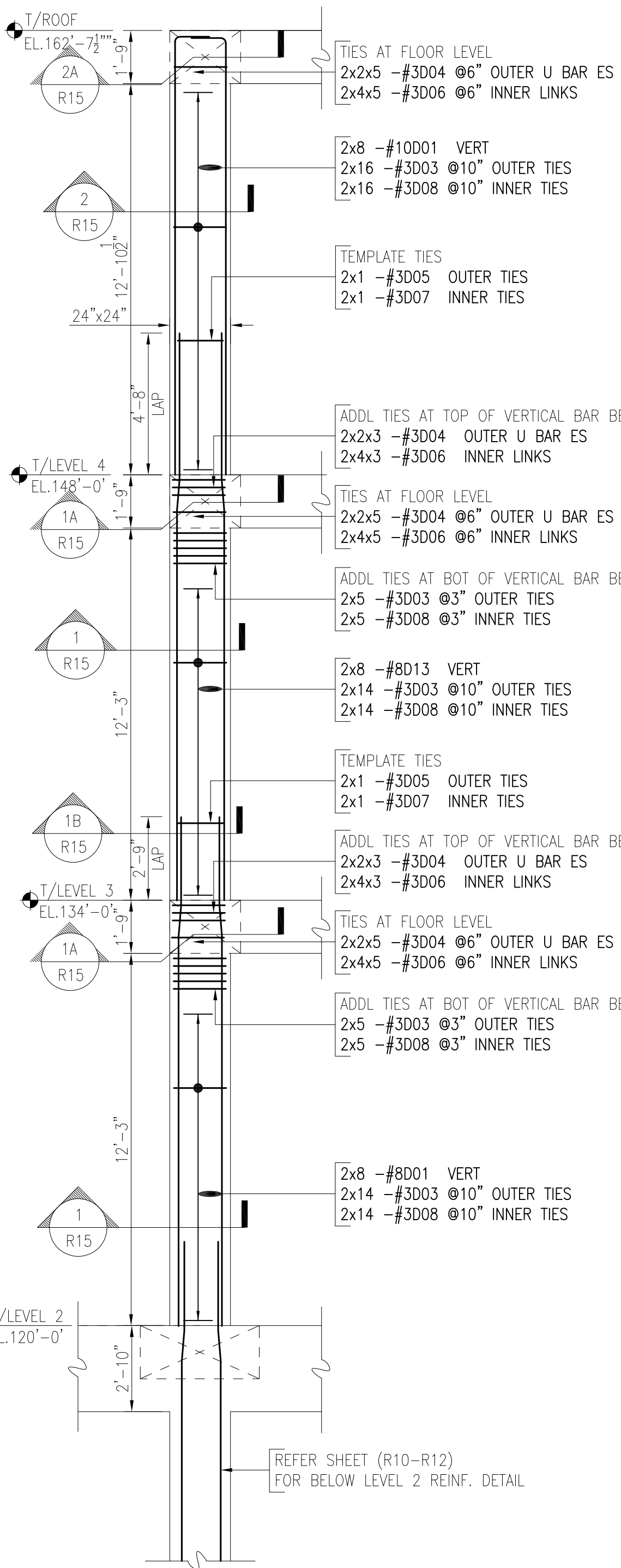
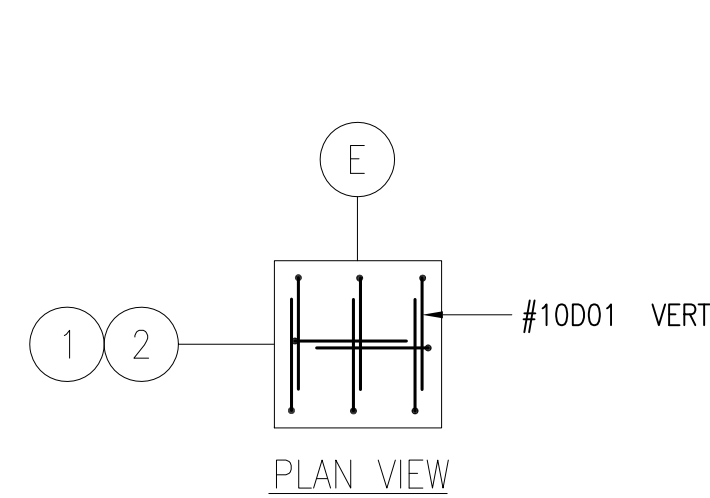
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED
UNLESS NOTED.

Legend:

IF Inside Face	V Vertical
OF Outside Face	H Horizontal
NF Near Face	EW Each Way
FF Far Face	B/Bot Bottom
EF Each Face	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.

02/18/16	0	APPROVAL		02/18/16		APPROVAL			
DATE	REV.	DESCRIPTION		DATE		SENT FOR			
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone # 240-786-6543									
PROJECT		THE SHOPS AT CLEARFORK							
LOCATION		A CASSO/SIMON CENTER							
ARCHITECT		FORTWORTH, TX							
ENGINEER									
CUSTOMER									
IN FI- ND SS	Drawn By: ROH		Date: 02/18/16		Reviewed By: ROH		Job No.		
Drawing Covers: A1 BUILDING - LEVEL 2 TO ROOF COLUMN REINF. DETAIL					Drawing no. A1-R14				



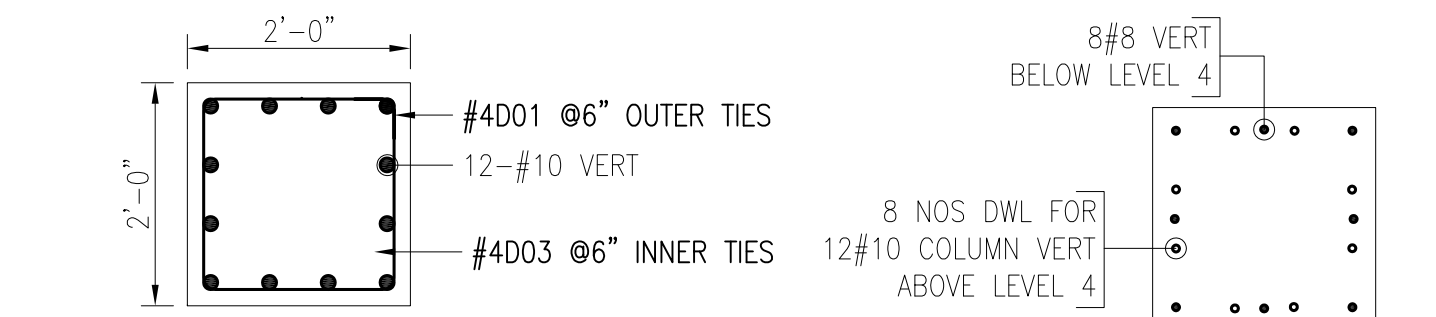
Release Code: R15		BENDING DETAILS.													
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'
3001	16	#3	36' 1 1/4"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"	08 1/2"
3003	440	#3	78' 1/2"	04"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"
3004	342	#3	4' 10" 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"
3005	16	#3	6' 9" 1/2"	04"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"
3006	652	#3	11' 1/2"	04"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"	13"
3007	16	#3	5' 2" 1/4"	04"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"
3008	421	#3	5' 10" 1/4"	04"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"
3010	1	#3	6' 7" 1/2"	04"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"	15 1/2"
4001	19	#4	7' 9" 1/2"	04 1/2"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"	19"
8001	104	#8	6' 9" 3/4"	2" 1/2"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
8013	24	#8	8' 8" 3/4"	4" 1/2"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
10003	12	#10	18' 11 1/2" 3/4"	4" 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"

Release Code: R15-SPL BEND DC2		BENDING DETAILS.													
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'
8007	40	#8	16' 3" 1/2"	14"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"	14" 1/2"
10001	16	#10	16' 2" 1/2"	1" 10"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"	14" 1/4"
10002	12	#10	8' 4" 1/2"	1" 10"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"	6" 1/4"

Release Code: R15-SPL BEND T4C		BENDING DETAILS.													
Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'
3002	19	#3	72' 1/2" 1/4"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"
3009	1	#3	6' 3" 1/4"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"	07 1/2"
4003	19	#4	72' 1/2" 1/4"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"	08 1/2"	08 27/32"

31 T2 17 T4 T9

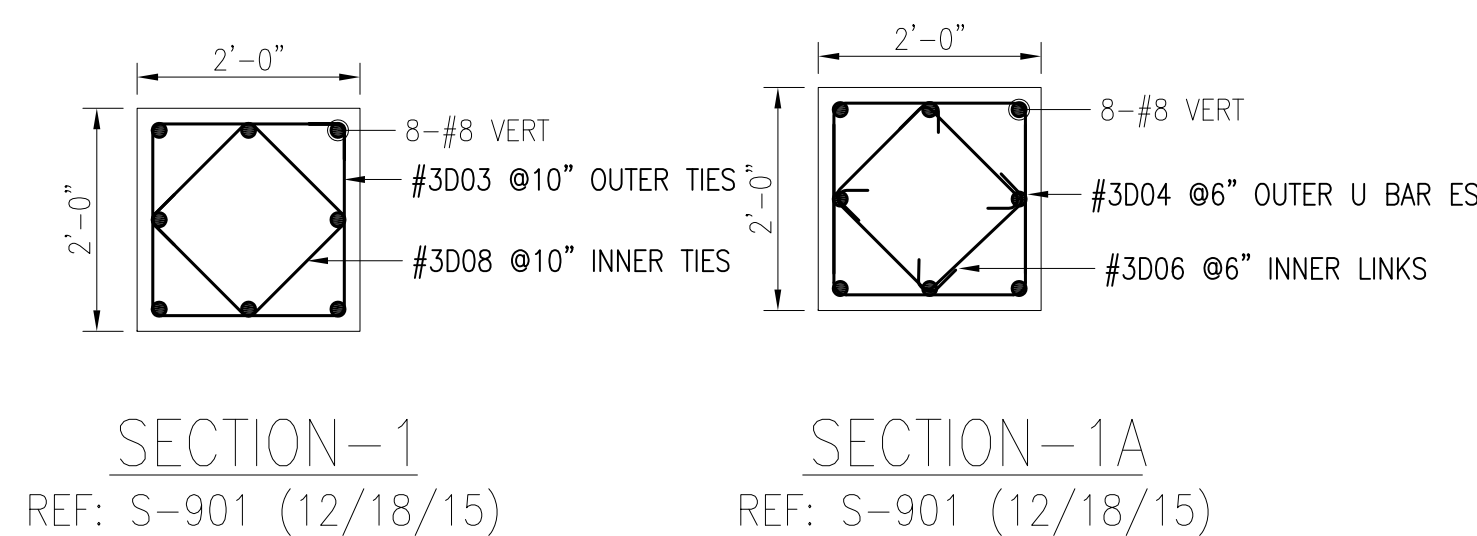
1A B HOLD THIS DIMENSION DC2



SECTION-B
REF: S-901 (12/18/15)

SECTION-5
REF: S-901 (12/18/15)

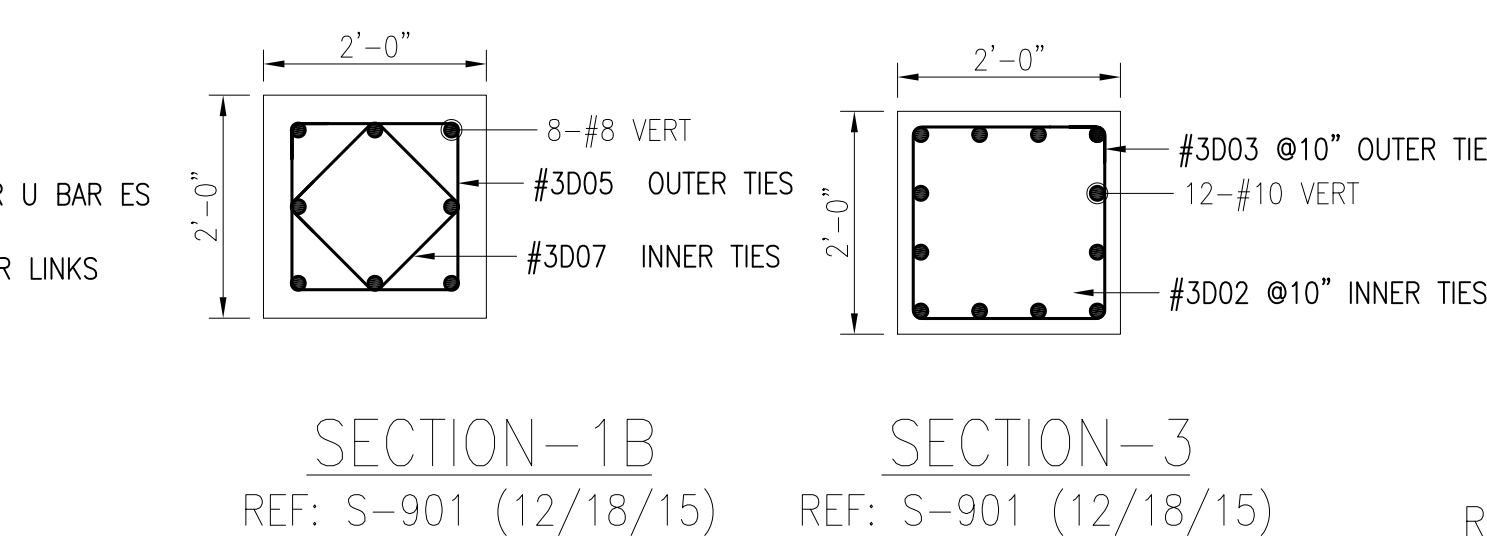
COLUMN C2
AT GRID 1&2-E
REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)



SECTION-1
REF: S-901 (12/18/15)

SECTION-1A
REF: S-901 (12/18/15)

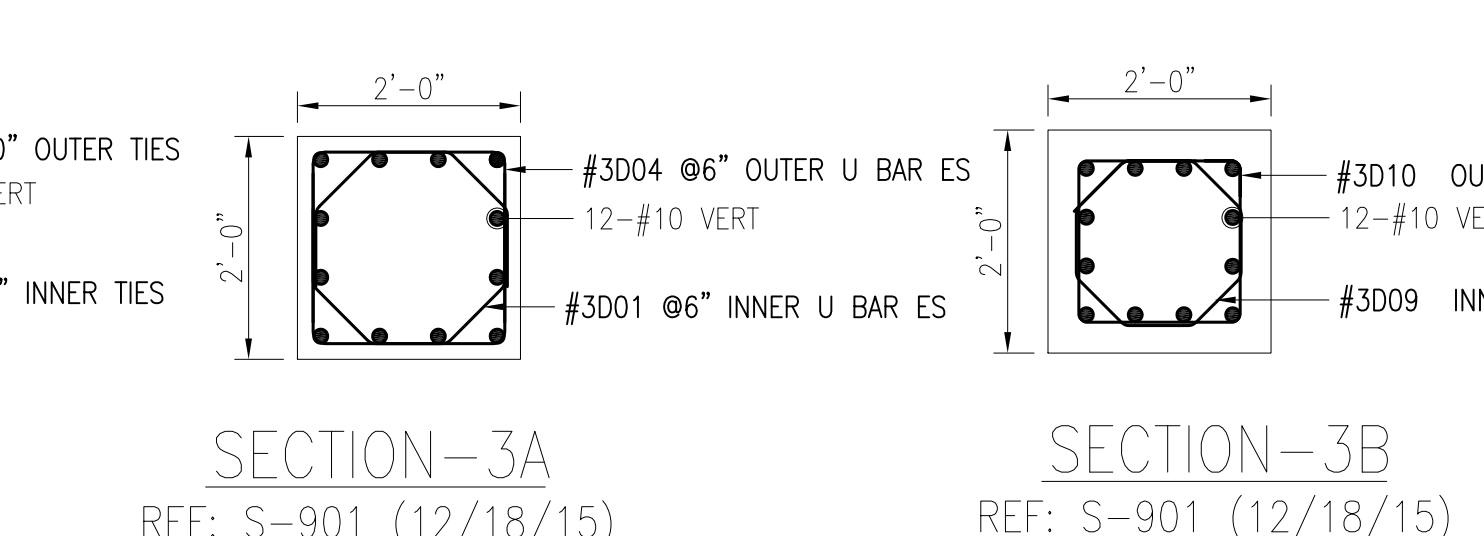
COLUMN C3
AT GRID 4-E
REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)



SECTION-1B
REF: S-901 (12/18/15)

SECTION-3
REF: S-901 (12/18/15)

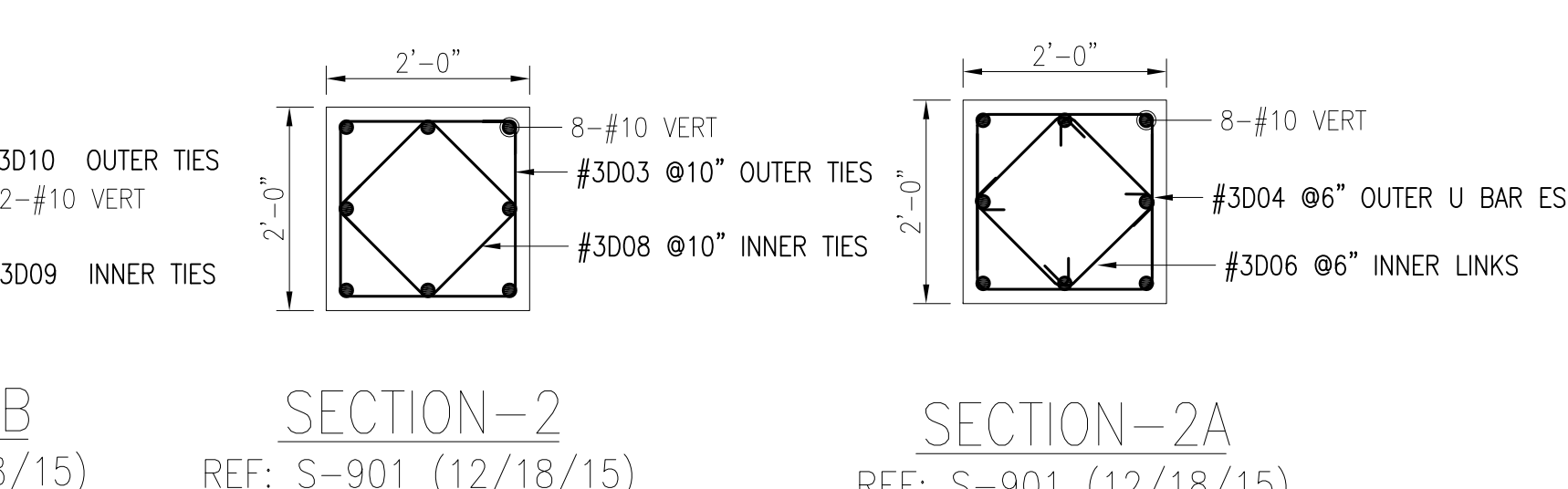
COLUMN C5
AT GRID 2,3-B&D
REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)



SECTION-3A
REF: S-901 (12/18/15)

SECTION-3B
REF: S-901 (12/18/15)

COLUMN C5
AT GRID 4-B
REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)



SECTION-2
REF: S-901 (12/18/15)

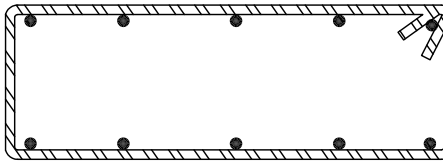
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REF: S-901 (12/18/15)

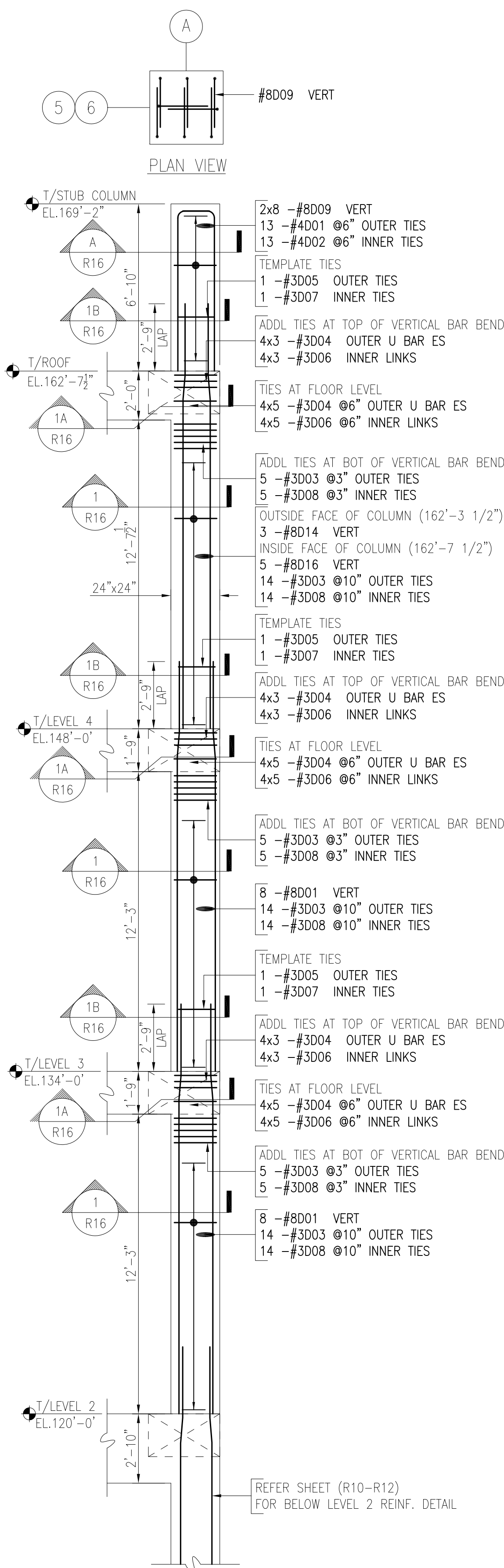
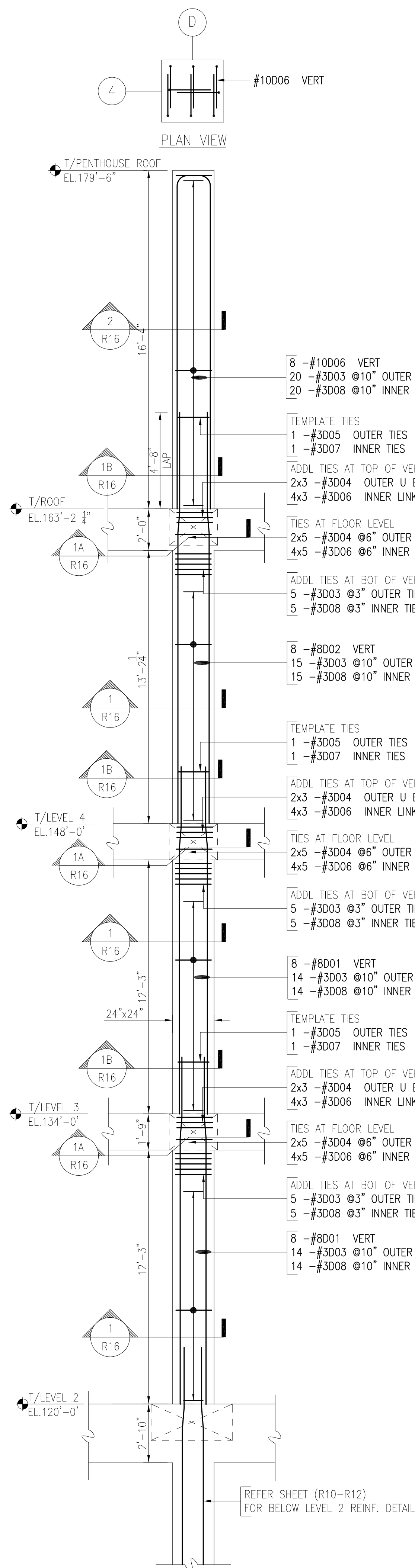
REFERENCE DWG.
REINFORCING BARS ARE
ASTM A615 GRADE 60, UNCOATED
UNLESS NOTED OTHERWISE U.N.O.

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

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

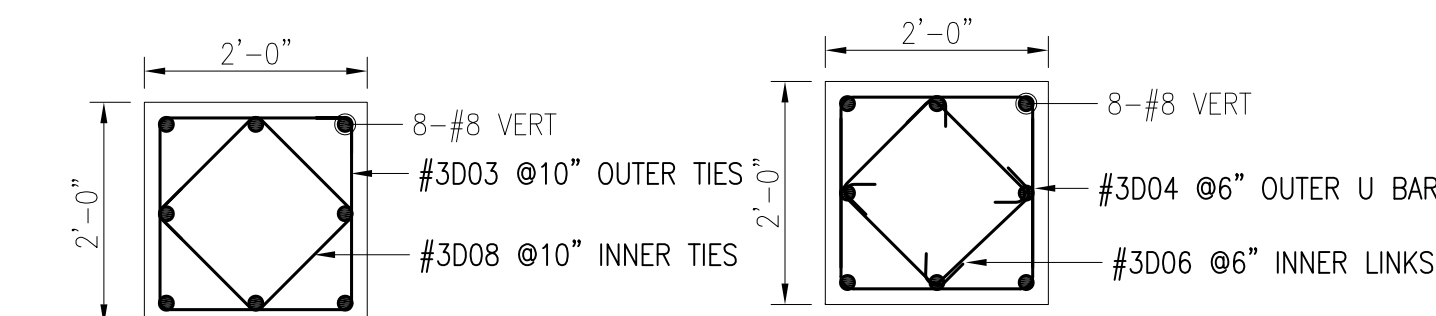
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02/18/16	0	APPROVAL	02/18/16	APPROVAL	
DATE	REV. NO.	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
					
PROJECT		THE SHOPS AT CLEARFORK			
LOCATION		A CASSCO/SIMON CENTER FORTWORTH, TX			
ARCHITECT					
ENGINEER					
CUSTOMER					
Drawn By:	Date:	Reviewed By:	Job No.		
ROH	02/18/16	ROH			
Drawing Covers:	A1 BUILDING-LEVEL 2 TO ROOF COLUMN REINF DETAIL				A1-R15



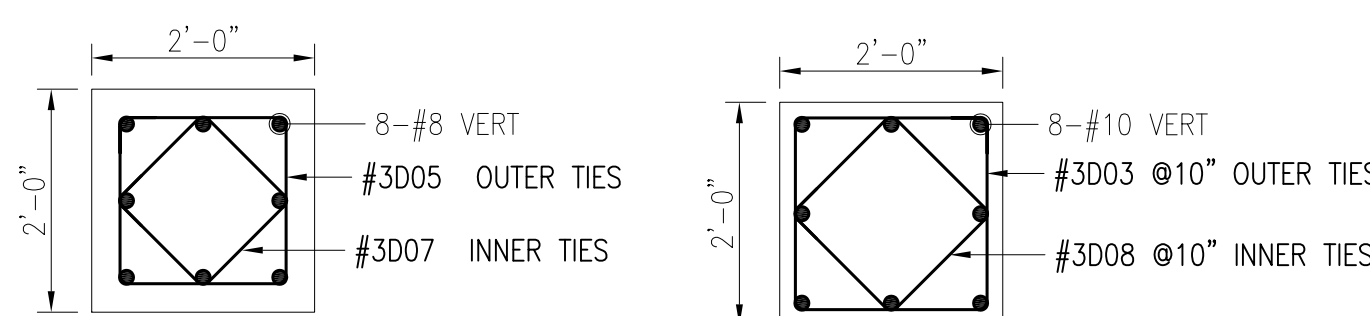
COLUMN C4
AT GRID 5-A

REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)



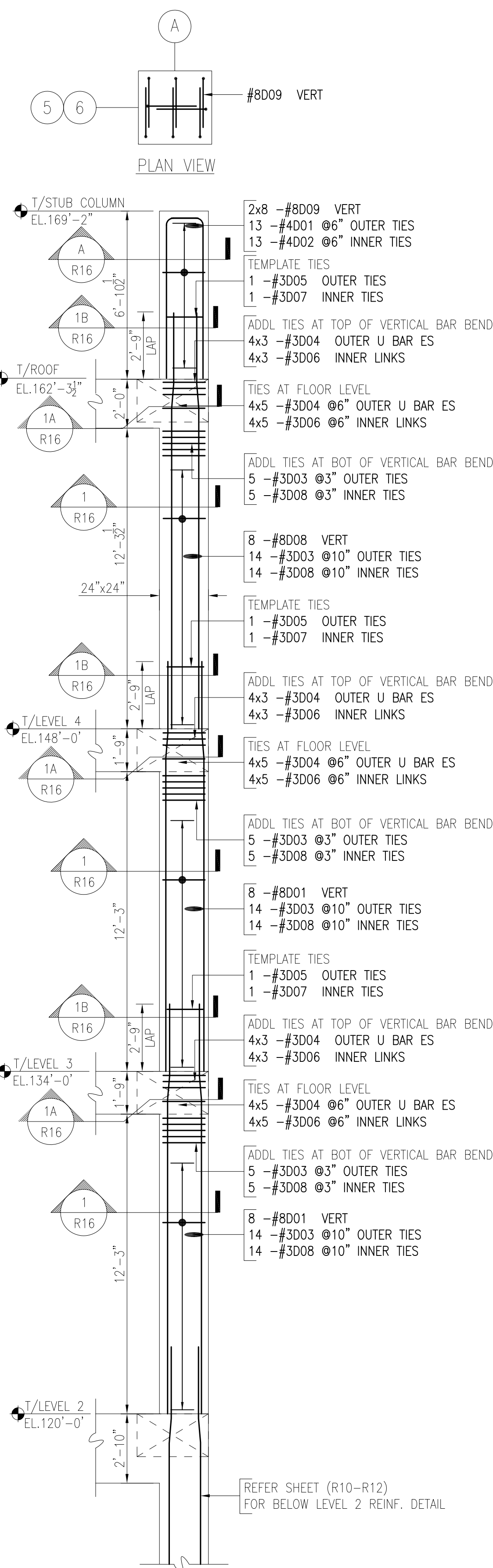
SECTION-1
REF: S-901 (12/18/15)

SECTION-1A
REF: S-901 (12/18/15)



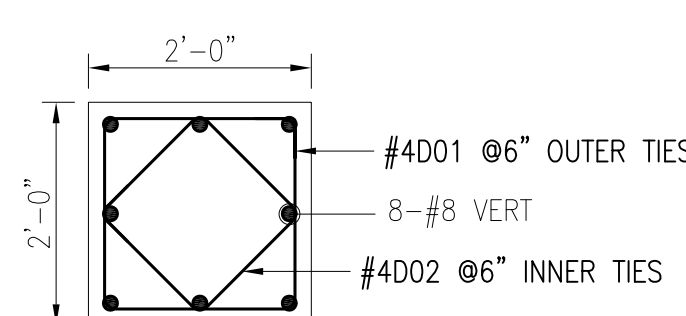
SECTION-1B
REF: S-901 (12/18/15)

SECTION-2
REF: S-901 (12/18/15)

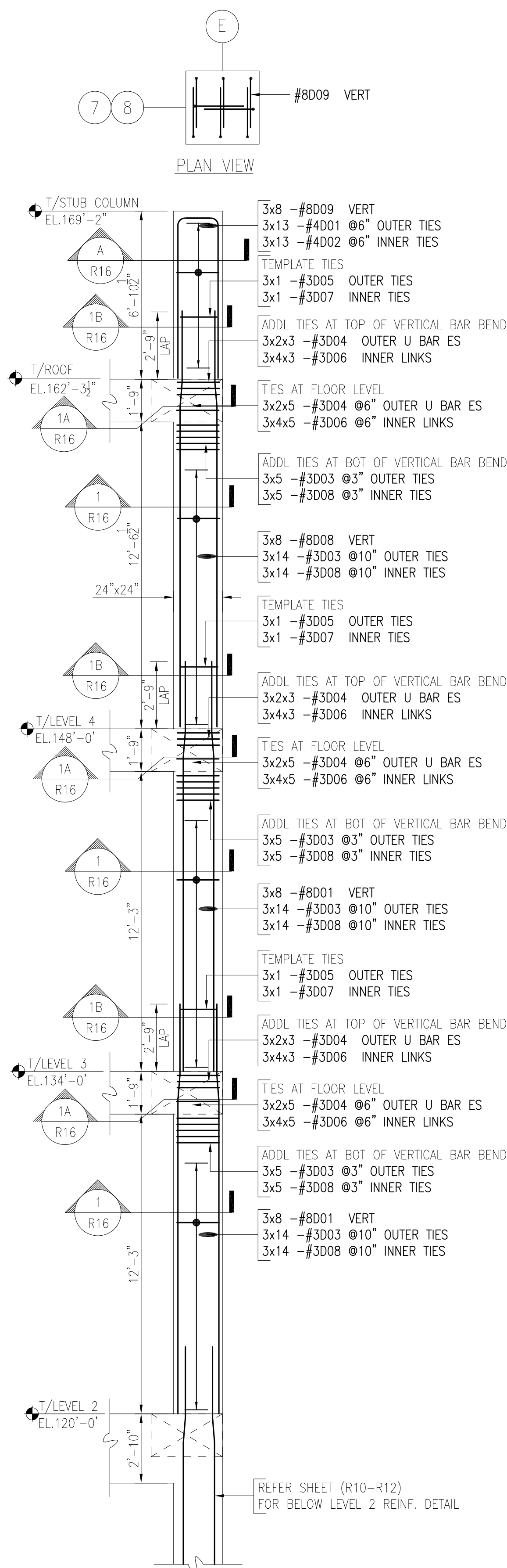


COLUMN C4
AT GRID 6-A

REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)



SECTION-A
REF: S-901 (12/18/15)



TYPICAL AT 3 PLACES

COLUMN C4
AT GRID 7-A & 8-A&E

REF: S201-S205 (03/09/16)
REF: S921 (03/09/16), S901, S911 (12/18/15)

Release Code: R16

Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'
3003	36	#3	78'	T2	0"	19"	19"	19"	19"	19"	0"						
3004	36	#3	48'	T2	0"	16 1/2"	19"	16 1/2"									
3005	10	#3	69'	T2	0"	16 1/2"	16 1/2"	16 1/2"	16 1/2"								
3006	56	#3	111'	T9	0"	13"											
3007	10	#3	52'	T4	0"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	0"	16 1/2"		16 1/2"	11 1/2"		
3008	36	#3	58'	T4	0"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	0"	19"		19"	13 1/2"		
4001	65	#4	79'	T2	0 1/2"	19"	19"	19"	19"		0 1/2"						
4002	65	#4	51'	T4	0 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	13 1/2"	0 1/2"	19"		19"	13 1/2"		
8001	8	#8	16'	T1		4'	10'	12'				0'		10'	16'		
8002	8	#8	16'	T1		4'	10'	14'				0'		10'	16'		
8008	32	#8	17'	T1		2'	10'	13'				0'		10'	17'		
8014	3	#8	17'	T1		3'	10'	13'				0'		10'	17'		
8016	3	#8	17 1/4'	T1		2'	10'	13 1/4"				0'		10'	17 1/4"		

Release Code: R16-SPL BEND DC2

Bar Mark	Qty	Size	Total length	Type	A'	B'	C'	D'	E'	F'	G'	H'	I'	J'	K'	L'	M'
8009	56	#8	71'	DC2	14"	6"											
10006	8	#10	17'	DC2	19"	16"											

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

31

1A

HOLD THIS DIMENSION

DC2

T2

17

T4

T9

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

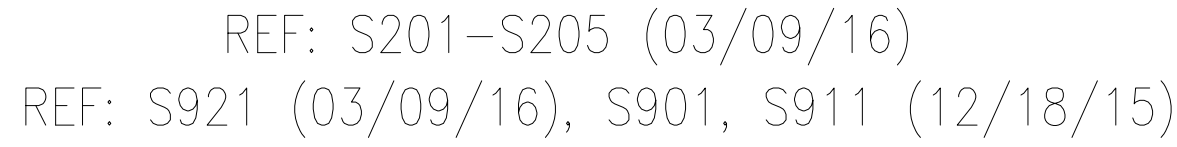
Legend:

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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02/18/16	0	APPROVAL	02/18/16	APPROVAL	
DATE	REV	DESCRIPTION	DATE	SENT FOR	
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543					
PROJECT THE SHOPS AT CLEARFORK					
LOCATION A CASSCO/SIMON CENTER					
ARCHITECT FORTWORTH, TX					
ENGINEER					
CUSTOMER					
Drawn By:	ROH	Date:	02/18/16	Reviewed By:	ROH
Drawing Covers:	A1	BUILDING-LEVEL 2 TO ROOF		Job No.	
COLUMN REINF.DETAIL					A1-R16



Release Code: R18-SPL BEND DC2										BENDING DETAILS.							
Bar Mark	Qty	Size	Total length	Typ	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'P'	
R071	40	#8	16'0"	DC1	1'4"	14'8"											
10006	40	#10	17'11"	DC1	1'10"	16'11"											
10009	24	#10	18'0 1/2"	DC1	1'10"	16'8 1/2"											

31

T2

17

T4

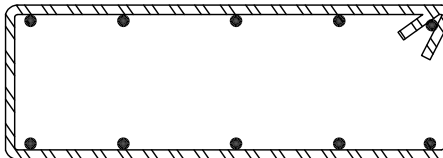
T9

A

B

HOLD THIS DIMENSION

DC2

02/18/16	0	APPROVAL		02/18/16	APPROVAL		
DATE	REV.	DESCRIPTION		DATE	SENT FOR		
Rebar Lab, LLC 2304 Tulson Lane, Bowie MD 20721 Phone #240-786-6543							
PROJECT		THE SHOPS AT CLEARFORK					
LOCATION		A CASSCO/SIMON CENTER					
ARCHITECT		FORTWORTH, TX					
ENGINEER							
CUSTOMER							
IN FI- ND SS	Drawn By: ROH		Date: 02/18/16		Reviewed By: ROH		Job No.
Drawing Covers: A1 BUILDING-LEVEL 2 TO ROOF COLUMN REINF.DETAIL							Drawing no. <i>A1-R18</i>