

**BUILDING-C GRADE BEAM & CONTINUOUS FOOTING REINFORCEMENT DETAILS**

REF:SC-11.1 (DT.04/03/22)  
SCALE: 1/8" = 1'-0"

A/E PLEASE VERIFY BAR ARRANGEMENT & LAP LENGTH FOLLOWED (TYP)

Bar Mark	Qty	Size	Total Length	Type	X	Y	BAR LIST	X	Y	X	Y	X	Y
8800	8	#8	15'-4"	T	0'-4"	1'-4"	1'-4"	1'-4"	0'-4"	0'-2"	0'-4"	0'-2"	0'-4"
8801	16	#8	15'-8"	T	1'-4"	14'-4"							
8802	8	#8	30'-0"	T	1'-4"	28'-8"							
8803	24	#8	15'-10"	T	1'-4"	12'-6"							
8804	12	#8	20'-2"	T	1'-4"	18'-8"							
8805	12	#8	14'-2"	T	1'-4"	12'-8"							
8806	12	#8	25'-4"	T	1'-4"	24'-2"							
8807	8	#8	15'-0"	T	1'-4"	13'-8"							
8808	8	#8	11'-4"	T	1'-4"	10'-0"							
8809	8	#8	17'-4"	T	1'-4"	16'-0"							
8810	8	#8	15'-4"	T	1'-4"	14'-0"							

**LAP SCHEDULE**

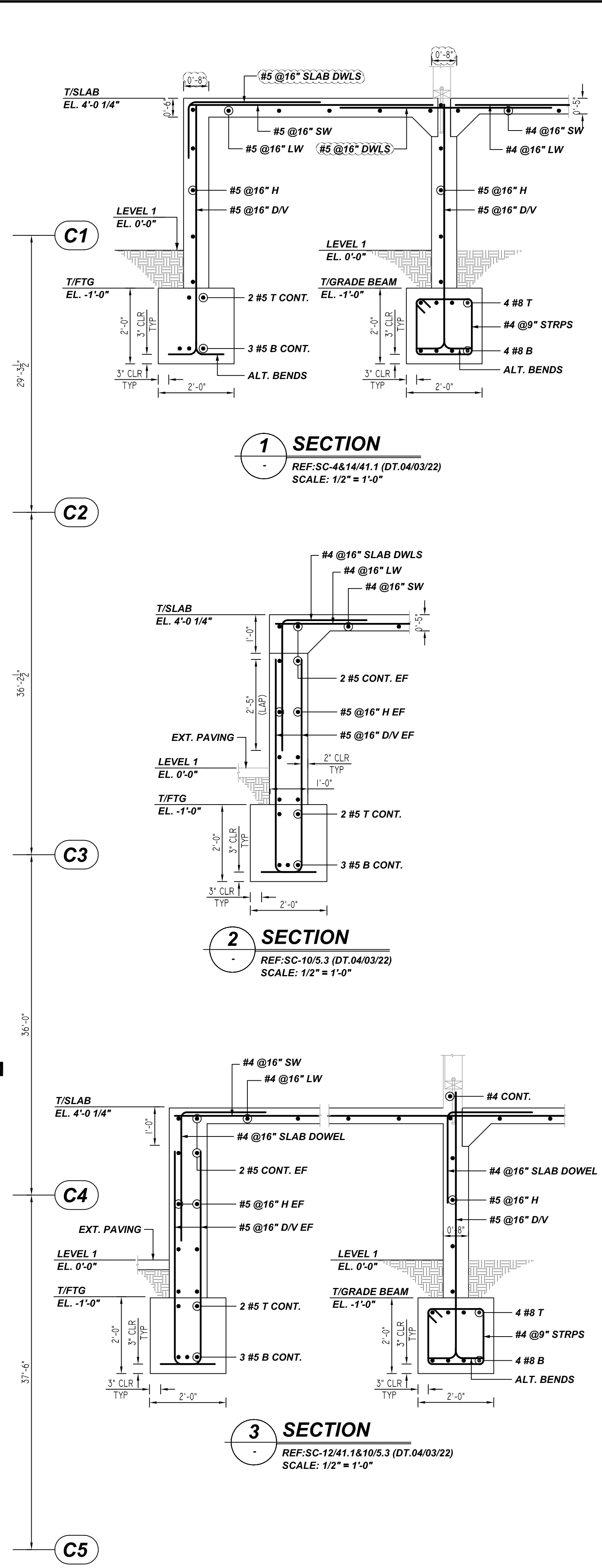
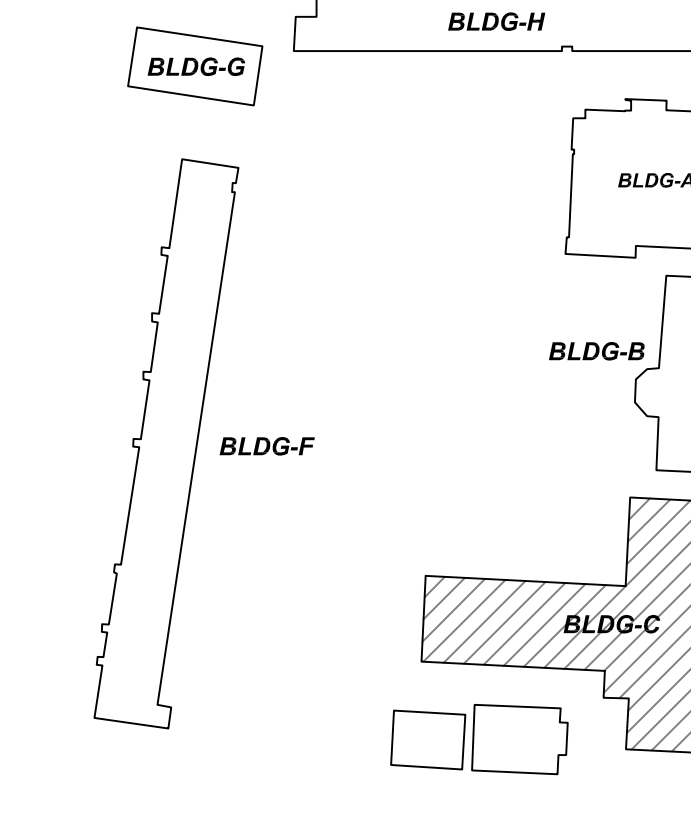
3000 PSI (CLASS-B) CASE - 1  
Per ACI :318 (12.2.2)

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

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

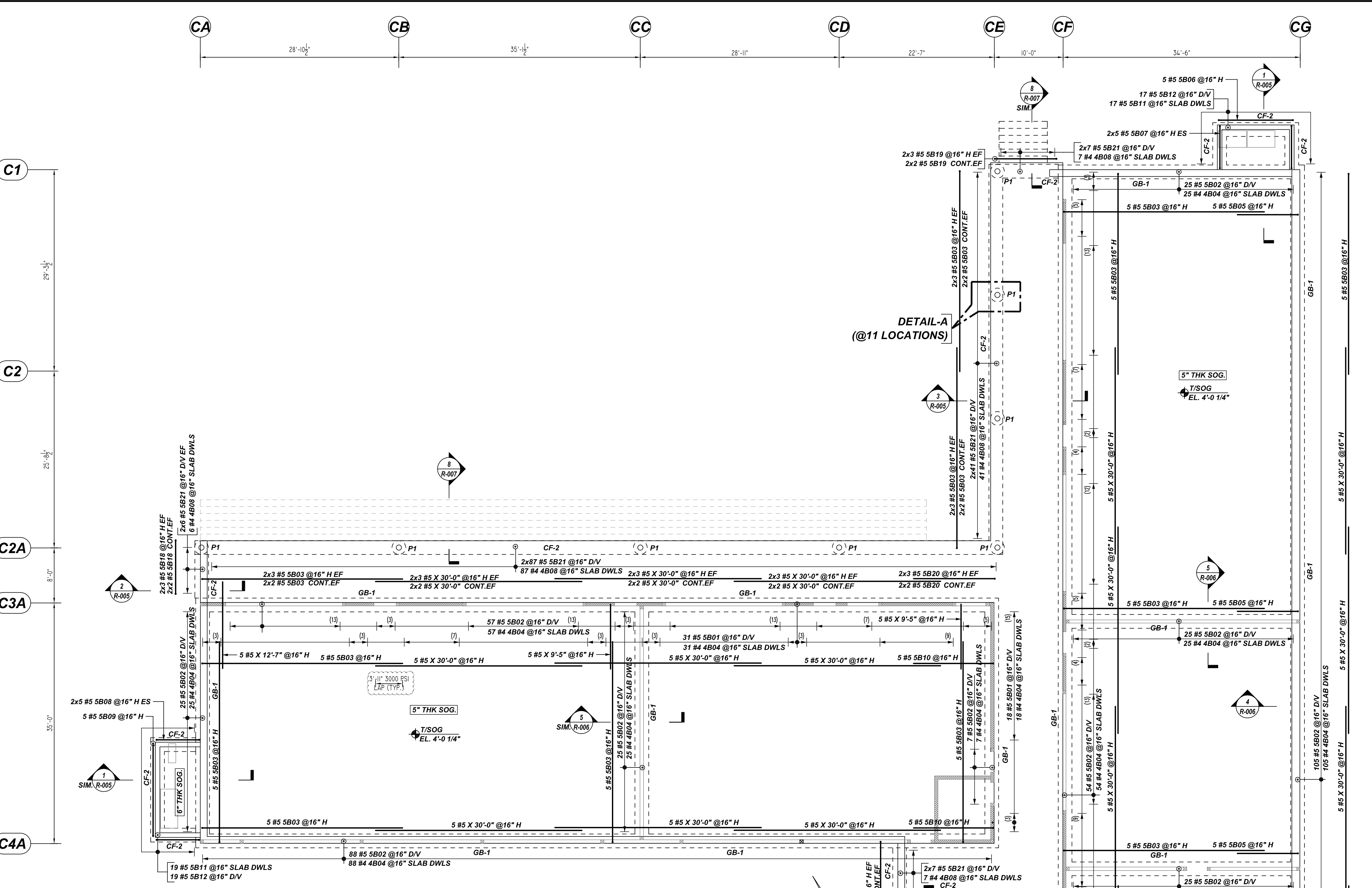
**KEYPLAN**

REF:SC-11.1 (DT.04/03/22)  
SCALE: 1/8" = 1'-0"



- PLACING PLAN NOTES:**
- THIS DRAWING IS FOR REBAR PLACEMENT ASSISTANCE ONLY. REFER TO STRUCTURAL DETAILS FOR CONTRACT REQUIREMENTS.
  - SECTIONS/DETAILS/DIMENSIONS ON PLACING PLAN ARE FOR REFERENCE ONLY AND ARE TO BE USED IN CONJUNCTION WITH CONTRACT DRAWINGS PER CRSI MANUAL OF STANDARD PRACTICE.
  - REINFORCING STEEL IS DETAILED PER CONTRACT DOCUMENTS RESPONSIBILITY OF ENGINEER AND/OR CONTRACTOR.
  - THE CONTRACTOR(S) UNDERSTANDS THAT THE ENGINEER SHOULD ALWAYS VERIFY SHOP DRAWINGS. IF TIME DOES NOT ALLOW FOR APPROVALS, P.I.S IS NOT HELD RESPONSIBLE FOR UNAPPROVED SHOP DRAWINGS USED IN PLACING (CRSI MANUAL OF STANDARD PRACTICE). THE CUSTOMER AND ENGINEER SHOULD REVIEW SHOP DRAWINGS PRIOR TO INSTALLATION TO VERIFY ACCURACY TO STRUCTURAL DRAWINGS.
  - TYPICAL NOTES & DETAILS ARE USED THROUGHOUT ENTIRE PROJECT & APPLY UNLESS NOTED OTHERWISE.
- PLACING NOTES:**
- DIMENSIONS, ELEVATIONS & DRAWING SCALES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO PROVIDE LINES, GRADES & TEMPLATES REQUIRED FOR PLACEMENT.
  - SECTIONS & DETAILS MAY NOT BE SHOWN ON ALL PLACING PLANS. KEEP STRUCTURAL DRAWINGS ON SITE FOR USE.
  - SOME LAP LENGTHS WILL BE ROUNDED UP IN DETAILING TO PROVIDE FOR 3" INCREMENTS FOR LAPS.
  - LAPS OR EMBEDMENT LENGTHS SHOWN IN SPECIFIC DETAILS WILL SUPERSEDE LAPS IN THE LAP SCHEDULE.
  - MILL CERTIFICATIONS ARE REQUIRED FOR ALL SHIPMENTS. IF BARS CANNOT BE IDENTIFIED, SPECIAL TESTING MAY BE DONE WITH SAMPLES CUT FROM SHIPMENT.
  - VERIFY PLACEMENT DRAWINGS TO LATEST ISSUE OF JOB RECORD DRAWINGS FOR POSSIBLE REVISIONS OR FIELD CHANGES.

REBAR GRADE	ASTM A615 GRADE 60
PRE-FIX: B	
DATE	08/03/22
DRAWING STATUS	FOR APPROVAL
TITLE:	BUILDING-C GRADE BEAM & CONTINUOUS FOOTING REINFORCEMENT DETAILS
PROJECT:	PALO VERDE ES
LOCATION:	3450 LOUISE ROAD, PALO ALTO, CA 94303
CUSTOMER:	ISN
DRAWN BY:	ISN
CHKD BY:	MET
DATE	08/03/22
JOB #	78063
DWG #	R-005



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

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

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

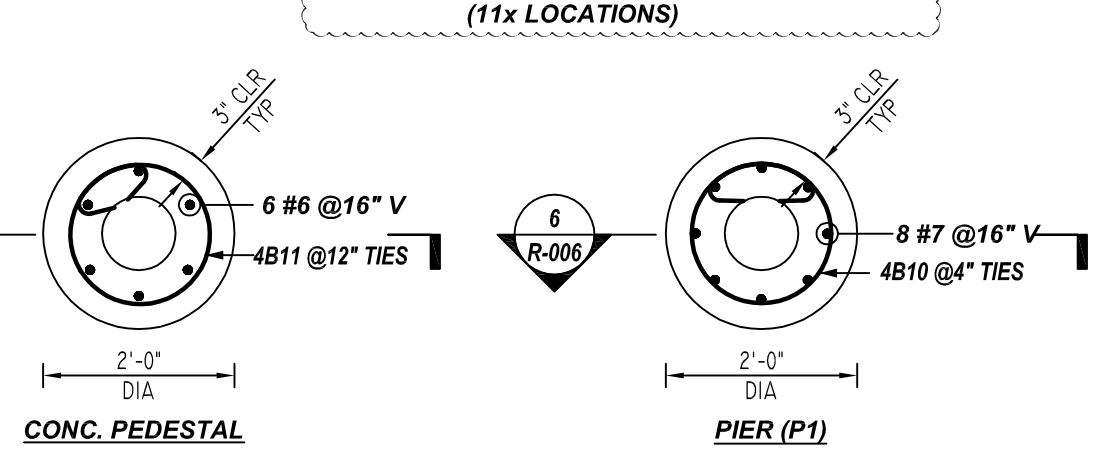
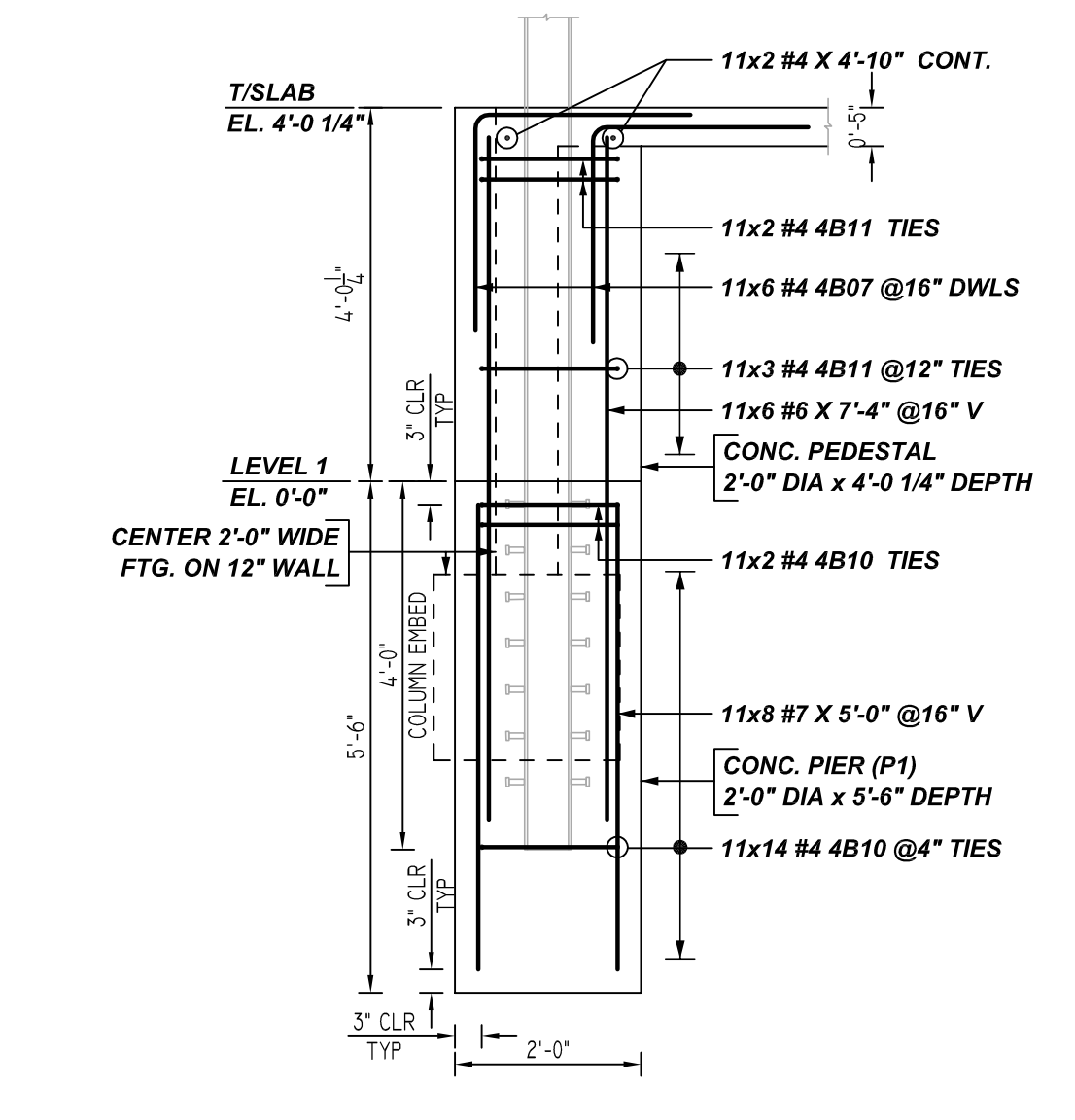
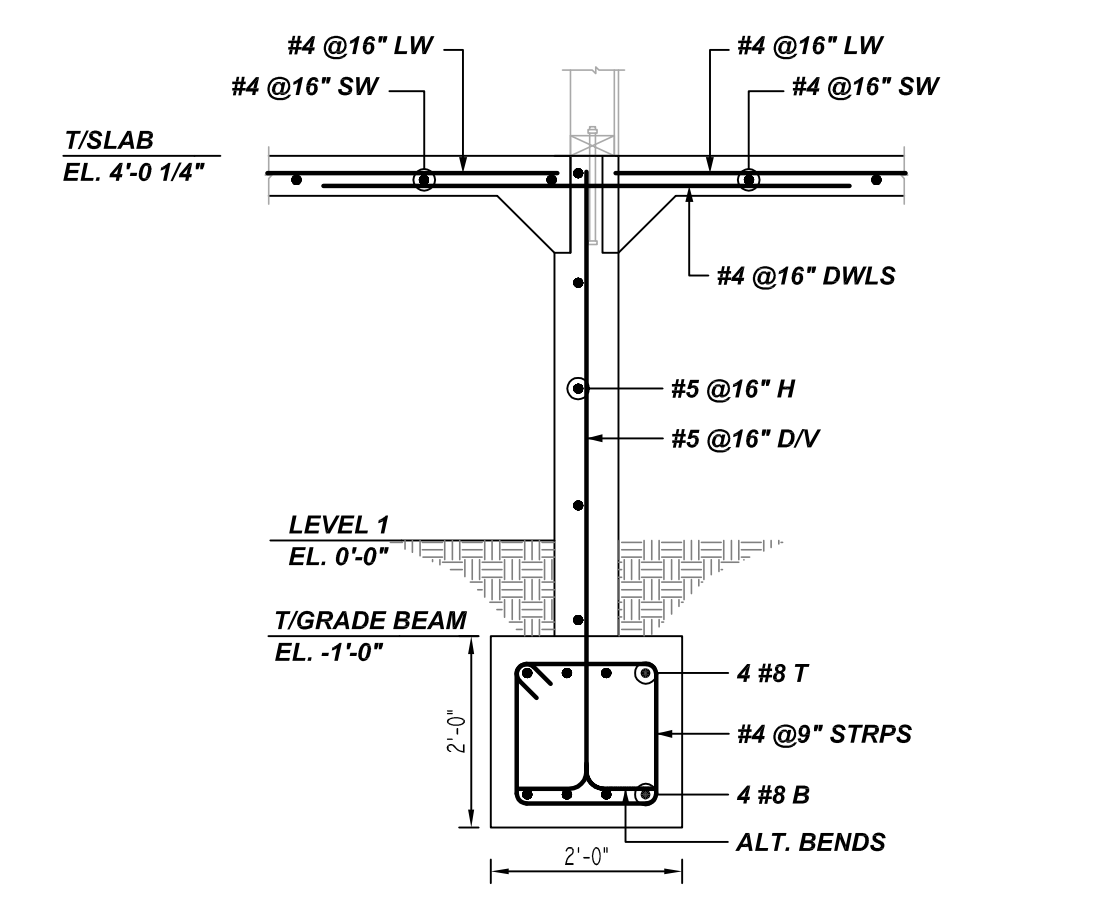
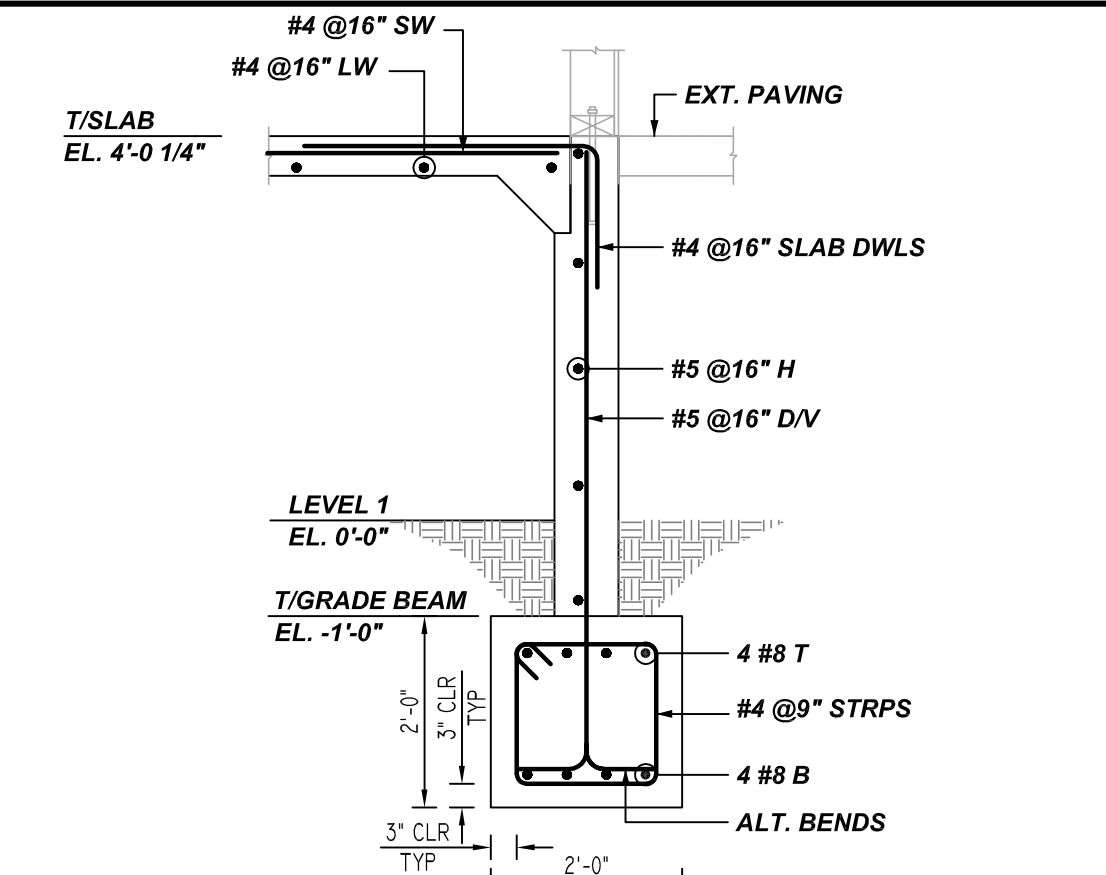
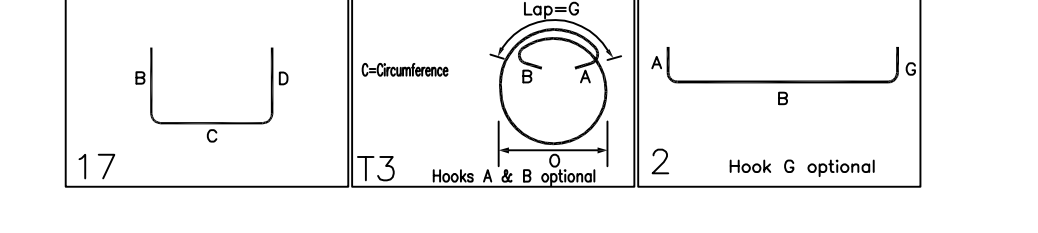
**BUILDING-C PIER, STEM WALL & DOWEL REINFORCEMENT DETAILS**  
REF: SC-11.1 (DT.04/03/22)  
SCALE: 1/8" = 1'-0"

Release Number: R-006

Bar No.	Qty	Size	Total Length	Type	X	Y	Z	BAR LIST
4804	56	#4	4'-7"	17				1'-6" 3'-1"
4807	66	#4	4'-8"	17				2'-4" 2'-4"
4808	192	#4	5'-7"	17				3'-4" 2'-3"
4810	176	#4	6'-10 1/2"	13	0'-4 1/2"	0'-4 1/2"	4'-8 1/2"	1'-5" 1'-5"
4811	55	#4	6'-5 1/2"	13	0'-4 1/2"	0'-4 1/2"	4'-8 1/2"	1'-5" 1'-5"
5801	100	#5	7'-7"	17				6'-10" 6'-10"
5802	46	#5	7'-2"	17				6'-5" 6'-5"
5803	85	#5	30'-0"	2	0'-10"	29'-2"		
5804	10	#5	9'-5"	2	0'-10"	8'-7"		
5805	20	#5	9'-8"	2	0'-10"	8'-10"		
5806	5	#5	12'-6"	2	0'-10"	10'-10"		0'-10"
5807	10	#5	7'-10"	2	0'-10"	6'-7"		0'-10"
5808	10	#5	7'-11"	2	0'-10"	6'-7"		0'-10"
5809	5	#5	15'-2"	2	0'-10"	13'-6"		0'-10"
5810	10	#5	12'-5"	2	0'-10"	11'-7"		0'-10"
5811	36	#5	5'-0"	17				1'-6" 3'-6"
5812	36	#5	7'-4"	17				0'-9" 6'-7 1/2"
5813	8	#5	8'-5"	17				0'-6" 8'-5"
5814	4	#5	9'-10"	17				0'-4" 8'-10" 0'-6"
5815	14	#5	12'-7"	2	0'-10"	11'-9"		
5816	10	#5	25'-10"	2	0'-10"	25'-0"		
5817	6	#5	15'-8"	2	0'-10"	14'-0"		0'-10"
5818	16	#5	8'-10"	17				7'-10" 0'-8"
5819	10	#5	10'-0"	17				0'-6" 9'-0" 0'-6"
5820	10	#5	12'-8"	2	0'-10"	11'-10"		
5821	384	#5	6'-8 1/2"	17				5'-1 1/2"

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  - REINFORCING STEEL IS DETAILED PER CONTRACT DOCUMENTS ONLY AS SHOWN. CODE COMPLIANCE REQUIREMENTS ARE THE RESPONSIBILITY OF ENGINEER AND/OR CONTRACTOR.
  - THE CONTRACTOR'S UNDERSTANDING THAT THE ENGINEER SHOULD ALWAYS VERIFY SHOP DRAWINGS. IF TIME DOES NOT ALLOW FOR APPROVALS, P1'S IS NOT HELD RESPONSIBLE FOR UNAPPROVED SHOP DRAWINGS USED IN PLACING (CRSI MANUAL OF STANDARD PRACTICE). THE CUSTOMER AND ENGINEER SHOULD REVIEW SHOP DRAWINGS PRIOR TO INSTALLATION TO VERIFY ACCURACY TO STRUCTURAL DRAWINGS.

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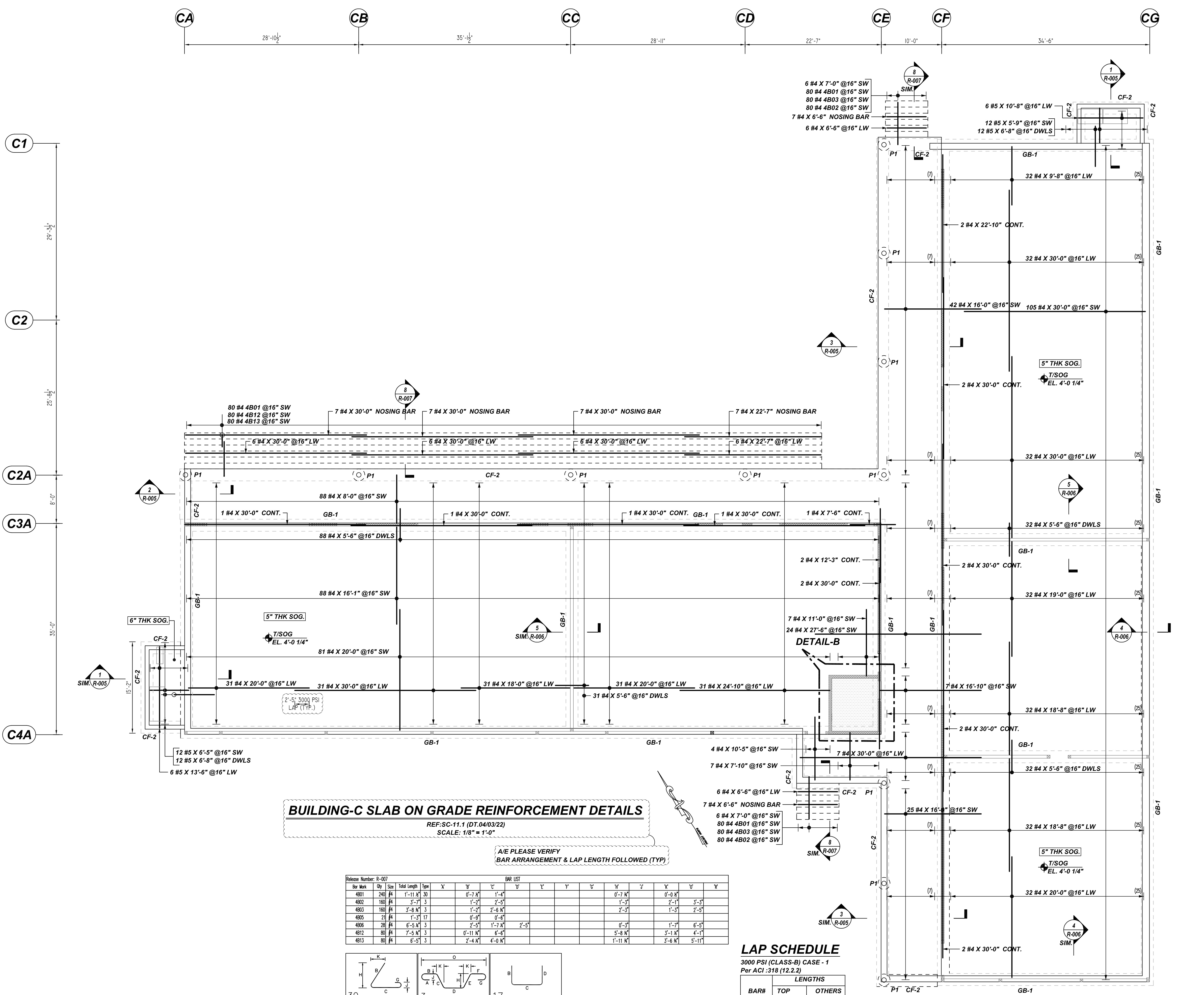
REBAR GRADE  
ASTM A615 GRADE 60  
PRE-FIX: B

DATE  
08/03/22

DRAWING STATUS  
FOR APPROVAL

TITLE: BUILDING-C PIER, STEM WALL & DOWEL REINFORCEMENT DETAILS  
PROJECT: PALO VERDE ES  
LOCATION: 3450 LOUISE ROAD, PALO ALTO, CA 94303  
CUSTOMER: -  
DRAWN BY: JSN  
DATE: 08/03/22  
CHKD BY: MET

JOB # 78063  
DWG # R-006



**BUILDING-C SLAB ON GRADE REINFORCEMENT DETAILS**  
 REF: SC-11.1 (DT.04/03/22)  
 SCALE: 1/8" = 1'-0"

Release Number: R-007

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	
4801	240	#4	1'-11 1/2"	30																											
4802	180	#4	3'-7"	3																											
4803	180	#4	2'-8 1/2"	3																											
4805	21	#4	1'-3 1/2"	17																											
4806	28	#4	6'-5 1/2"	3																											
4812	80	#4	7'-5 1/2"	3																											
4813	80	#4	6'-5 1/2"	3																											

**LAP SCHEDULE**

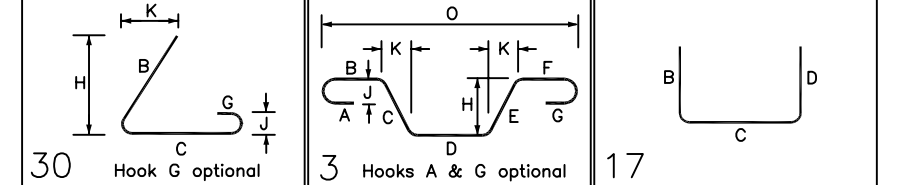
3000 PSI (CLASS-B) CASE - 1  
 Per ACI:318 (12.2.2)

BAR#	LENGTHS	
	TOP	OTHERS
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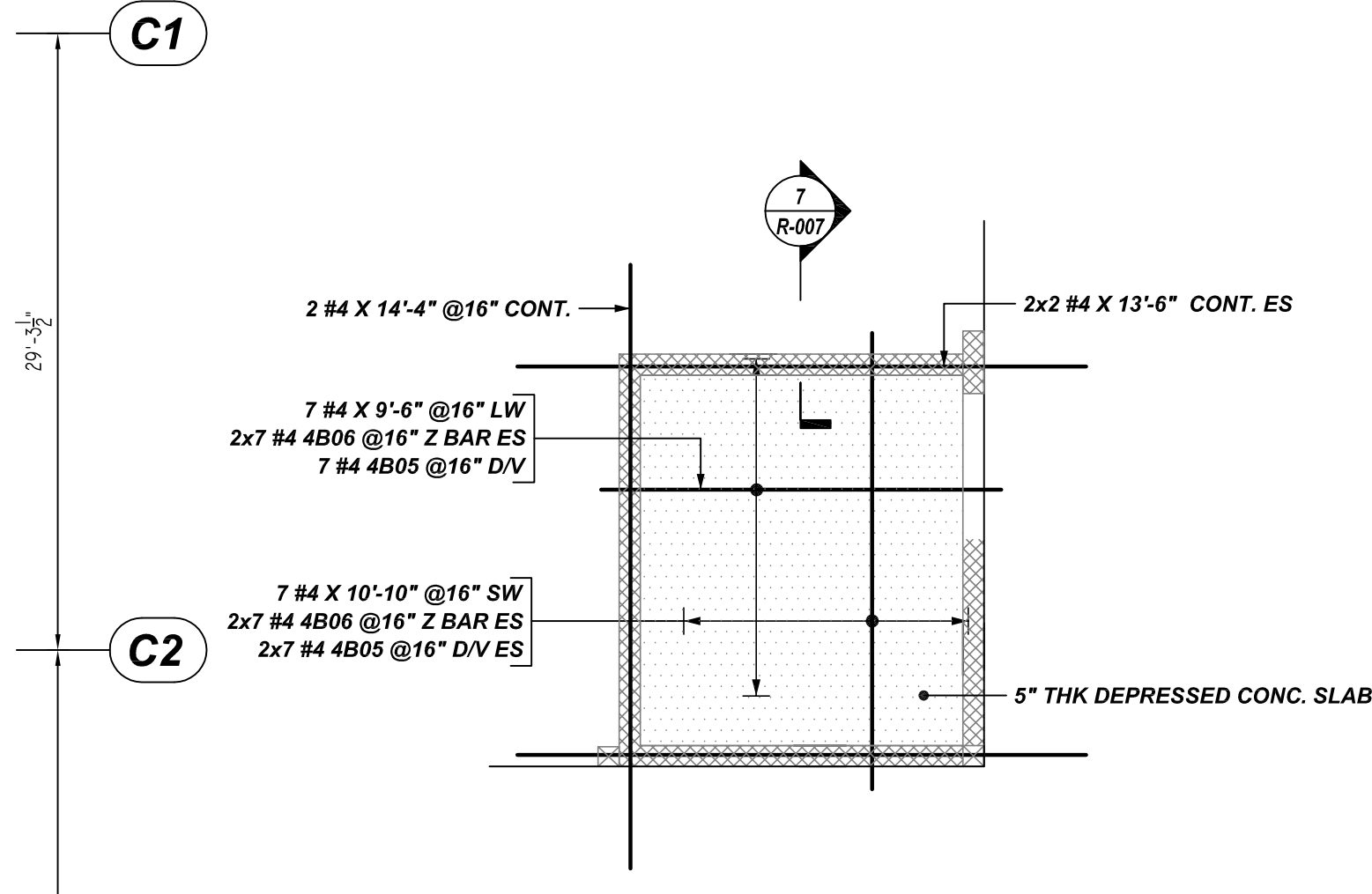
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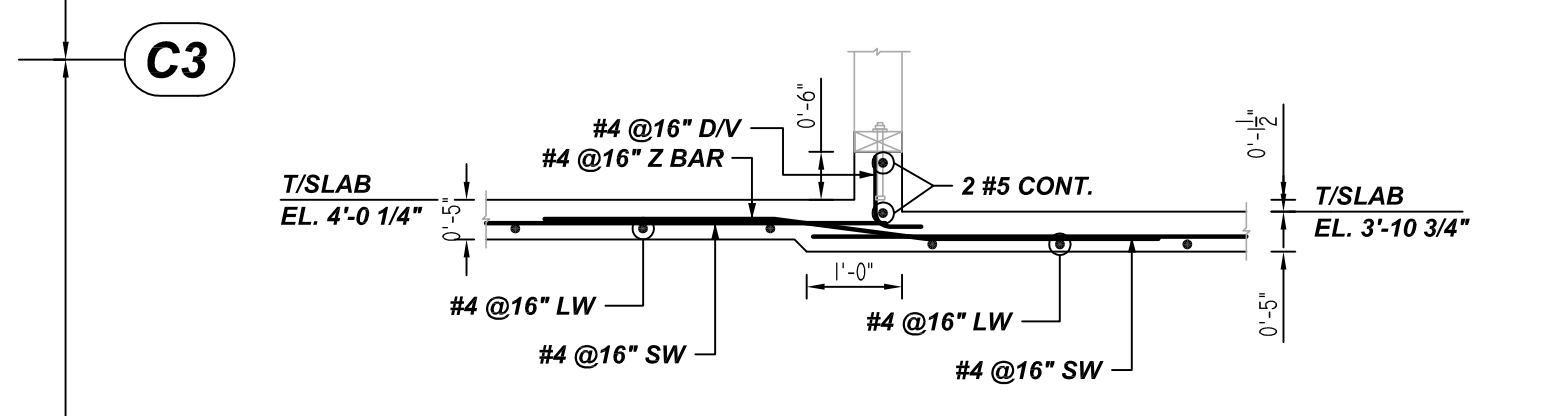


REBAR GRADE  
 ASTM A615 GRADE 60  
 PRE-FIX: B

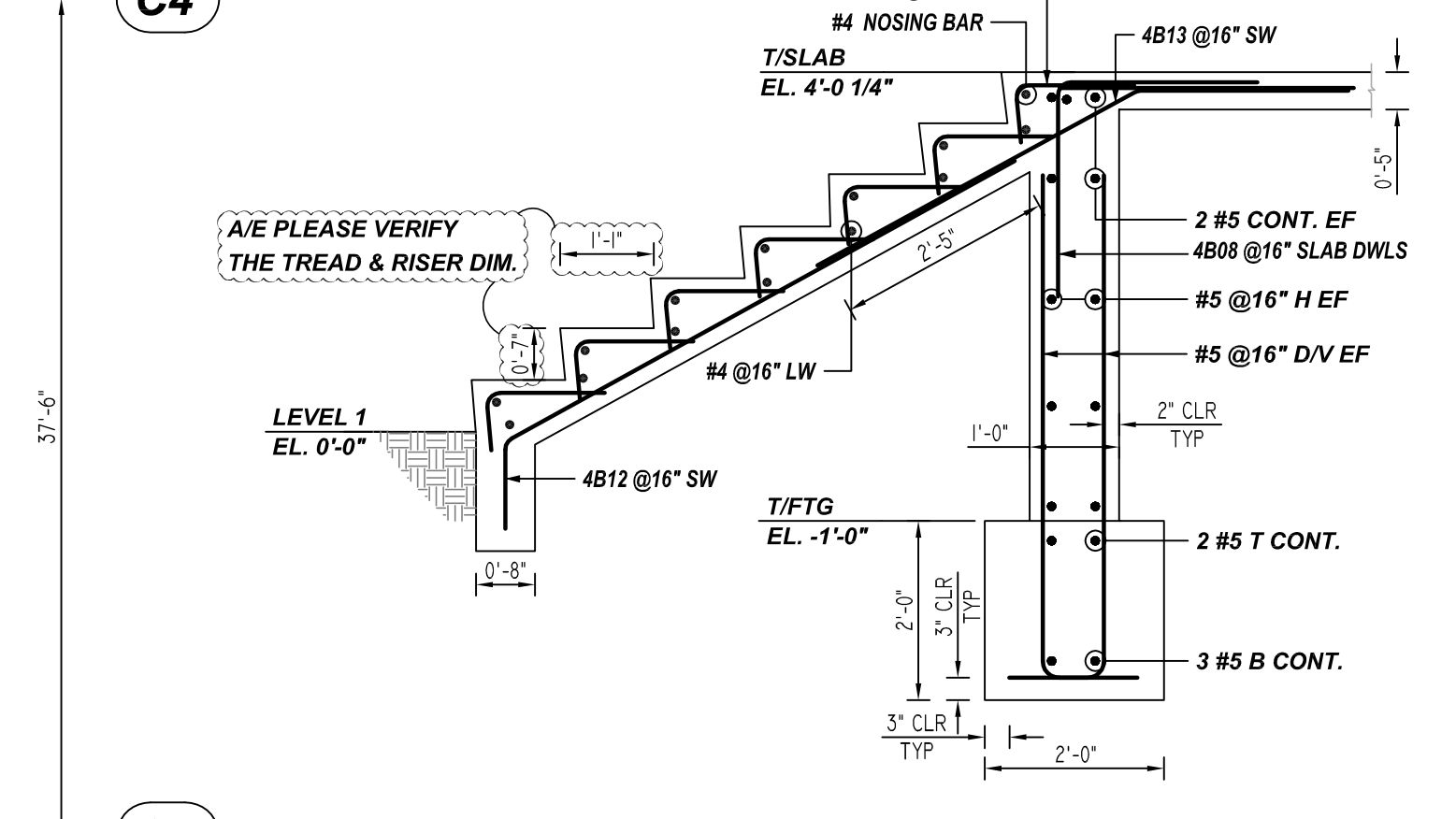
DATE	08/03/22
DRAWING STATUS	FOR APPROVAL



**B DETAIL**  
 R-007 REF: SC-12A/5.1 (DT.04/03/22)  
 SCALE: 1/2" = 1'-0"



**7 SECTION**  
 R-007 REF: SC-12/4.1 & 10/5.3 (DT.04/03/22)  
 SCALE: 1/2" = 1'-0"



**8 SECTION**  
 R-007 REF: SC-4/4.1.2 & 11/5.1 (DT.04/03/22)  
 SCALE: 1/2" = 1'-0"

TITLE: BUILDING-C SLAB ON GRADE REINFORCEMENT DETAILS  
 PROJECT: PALO VERDE ES  
 LOCATION: 3450 LOUISE ROAD, PALO ALTO, CA 94303  
 CUSTOMER: -  
 DRAWN BY: JSN DATE: 08/03/22 CHKD BY: MET

JOB # 78063  
 DWG # R-007