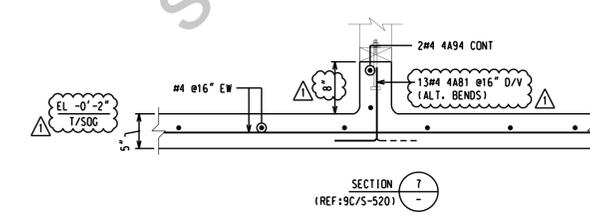
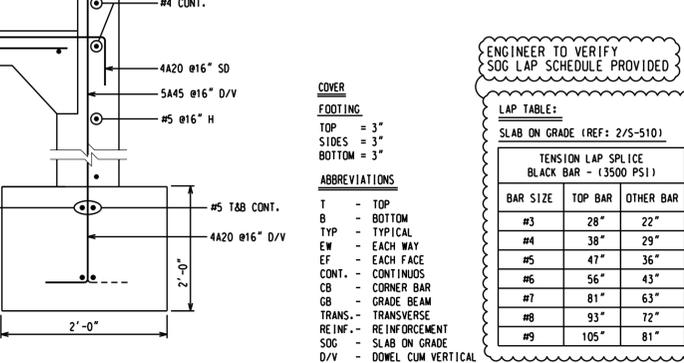
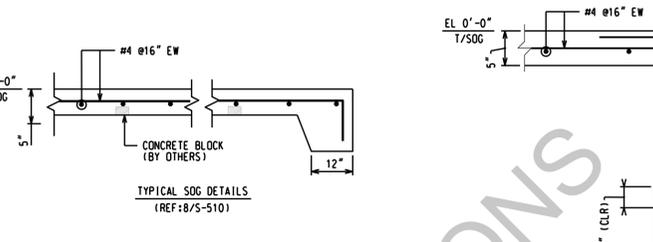
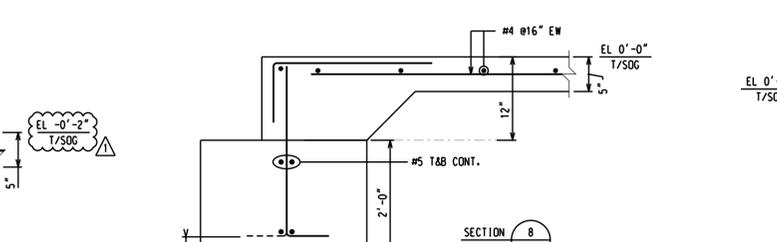
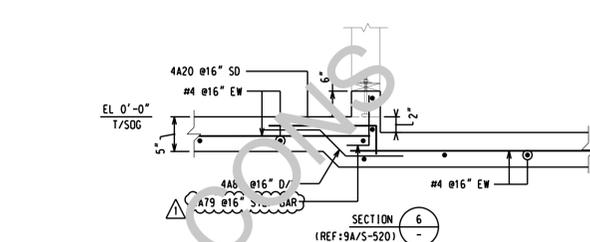
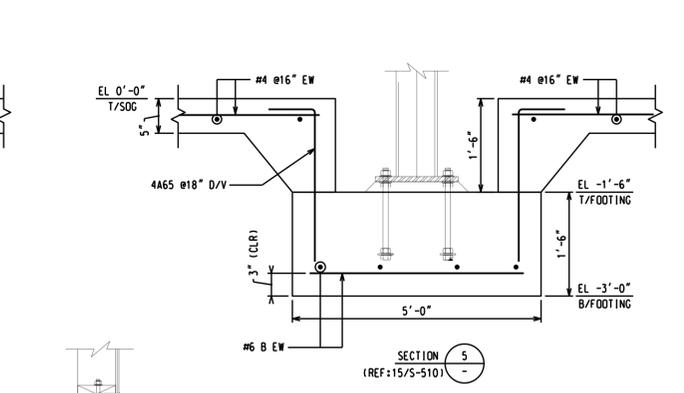
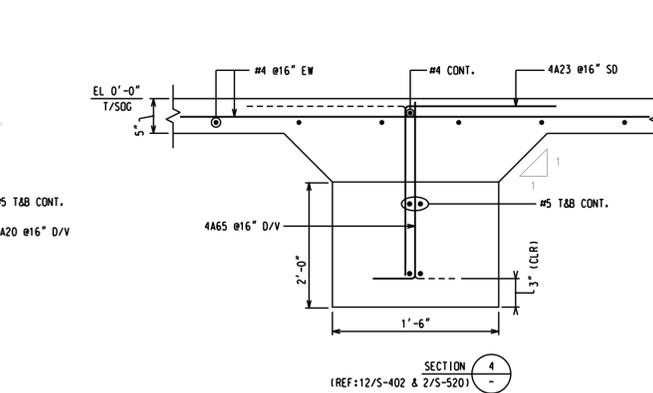
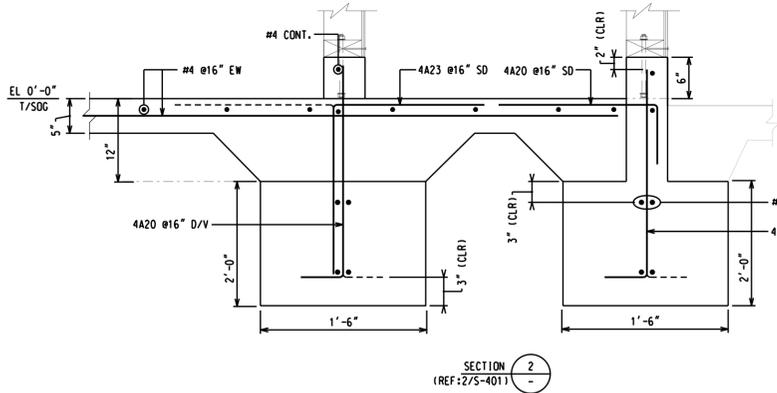
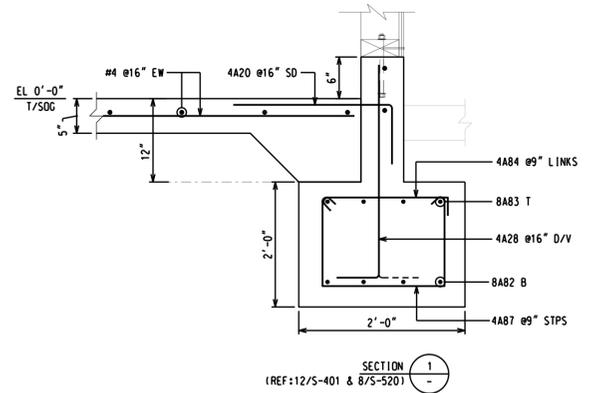


CLASSROOM BUILDING SLAB ON GRADE DETAILS
(REF: S-201)

FIELD CUT REQUIRED AT STEEL COLUMN BLOCKOUT LOCATION (TYP)



QTY	SIZE	EP	BAR MARK	BND TYP	V	CO	A	B	C	D	E	F/R	G	H	J	K	L
13	4		4A81		2	0-08	0-09										
2	4		4A94		2	0-08	9-09					0-08					

COVER
FOOTING
TOP = 3"
SIDES = 3"
BOTTOM = 3"

ABBREVIATIONS
T - TOP
B - BOTTOM
TYP - TYPICAL
EW - EACH WAY
EF - EACH FACE
CONT. - CONTINUOUS
CB - CORNER BAR
GB - GRADE BEAM
TRANS. - TRANSVERSE
REINF. - REINFORCEMENT
SOG - SLAB ON GRADE
D/V - DOWEL CUM VERTICAL

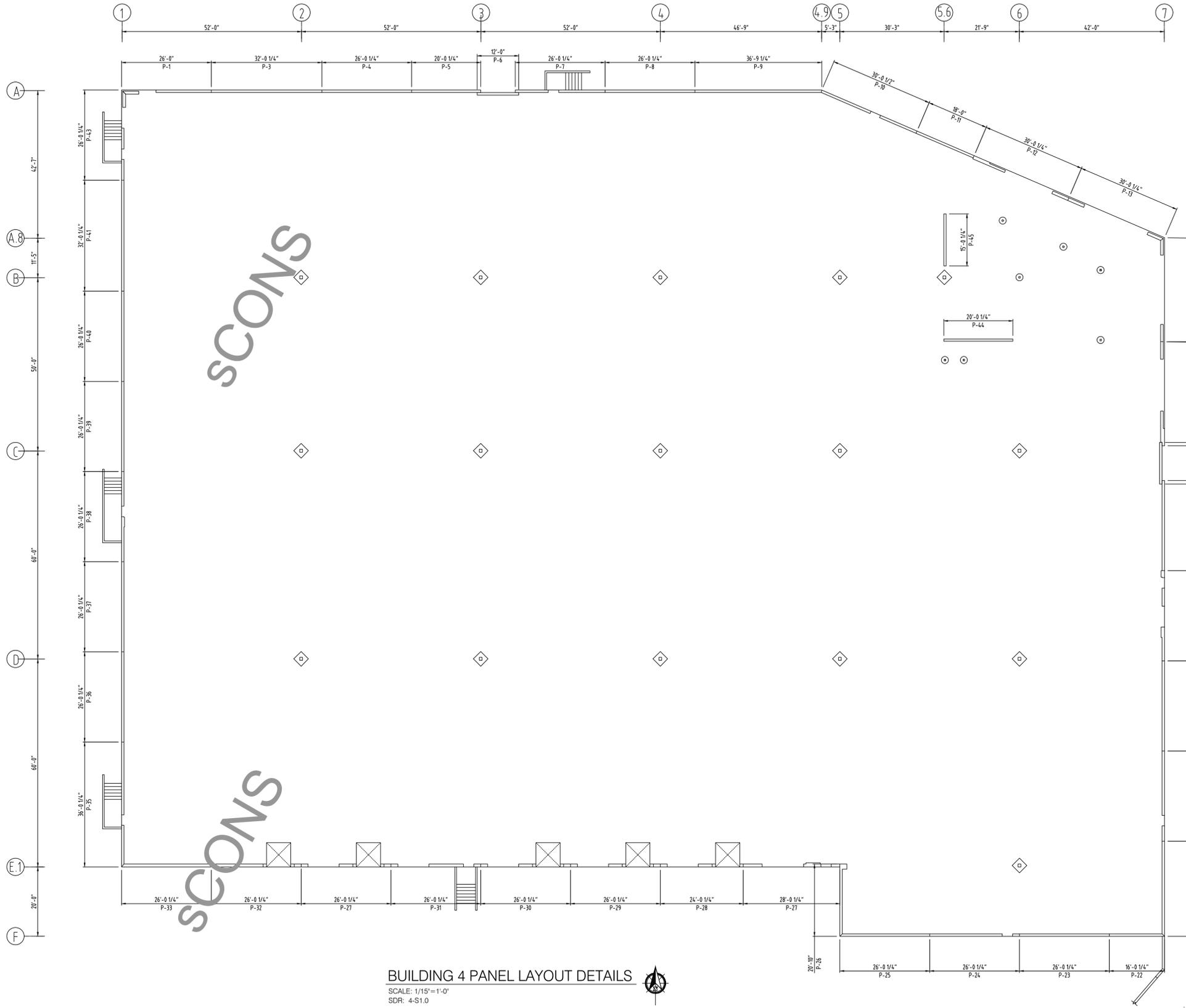
ENGINEER TO VERIFY SOG LAP SCHEDULE PROVIDED

LAP TABLE:
SLAB ON GRADE (REF: 2/S-510)

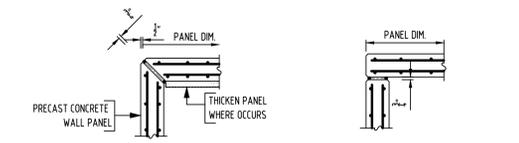
BAR SIZE	TOP BAR	OTHER BAR
#3	28"	22"
#4	38"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"

FOR FOOTING DETAILS REFER DRAWING 21-159-RF01
FOR WALL DETAILS REFER DRAWING 21-159-RF01A
FOR STORAGE BUILDING & GB REFER DRAWING 21-159-RF01C

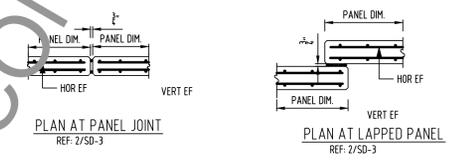
ALL REINFORCING BARS CONFORM TO ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE



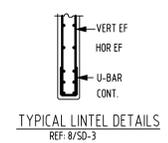
BUILDING 4 PANEL LAYOUT DETAILS
 SCALE: 1/15"=1'-0"
 SDR: 4-S1.0



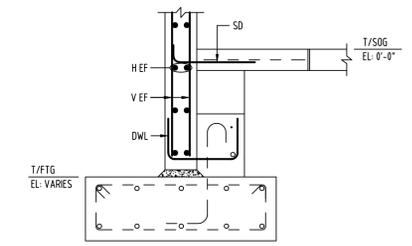
PANEL MITER JOINT
REF: 2/SD-3
PANEL BUTT JOINT
REF: 2/SD-3



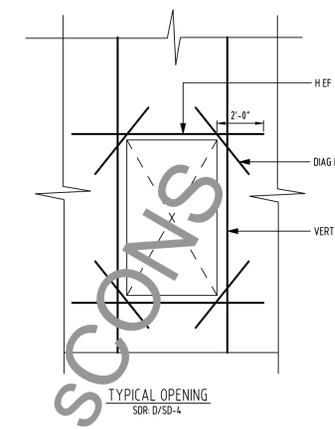
PLAN AT PANEL JOINT
REF: 2/SD-3
PLAN AT LAPPED PANEL
REF: 2/SD-3



TYPICAL LINTEL DETAILS
REF: 8/SD-3



TYPICAL PANEL SECTION
SCALE: 1/2"=1'-0"
SDR: SD3



TYPICAL OPENING
SDR: D/SD-4

PLEASE VERIFY ALL CLOUDED ITEMS
 IT WILL BE UNDERSTOOD THAT ALL CLOUDED ITEMS RETURNED FROM APPROVAL WITHOUT COMMENT ARE CORRECT AS SUBMITTED!

FOR APPROVAL
 ASTM A615 - GR 60 - BLK

IMPORTANT NOTICE: REINFORCING STEEL DRAWINGS ARE INTENDED MERELY TO SUPPLEMENT THE PROJECT DRAWINGS AND SHOULD BE USED IN CONJUNCTION WITH IT. THIS IS NOT A STRUCTURAL DRAWING. THIS DRAWING IS ONLY INTENDED TO CONVEY INFORMATION REGARDING THE REINFORCING STEEL. THE EFFICIENT HANDLING OF REINFORCING STEEL MORE EFFICIENT AND ECONOMICAL.

REV.	DATE	BY
0	01-07-2025	

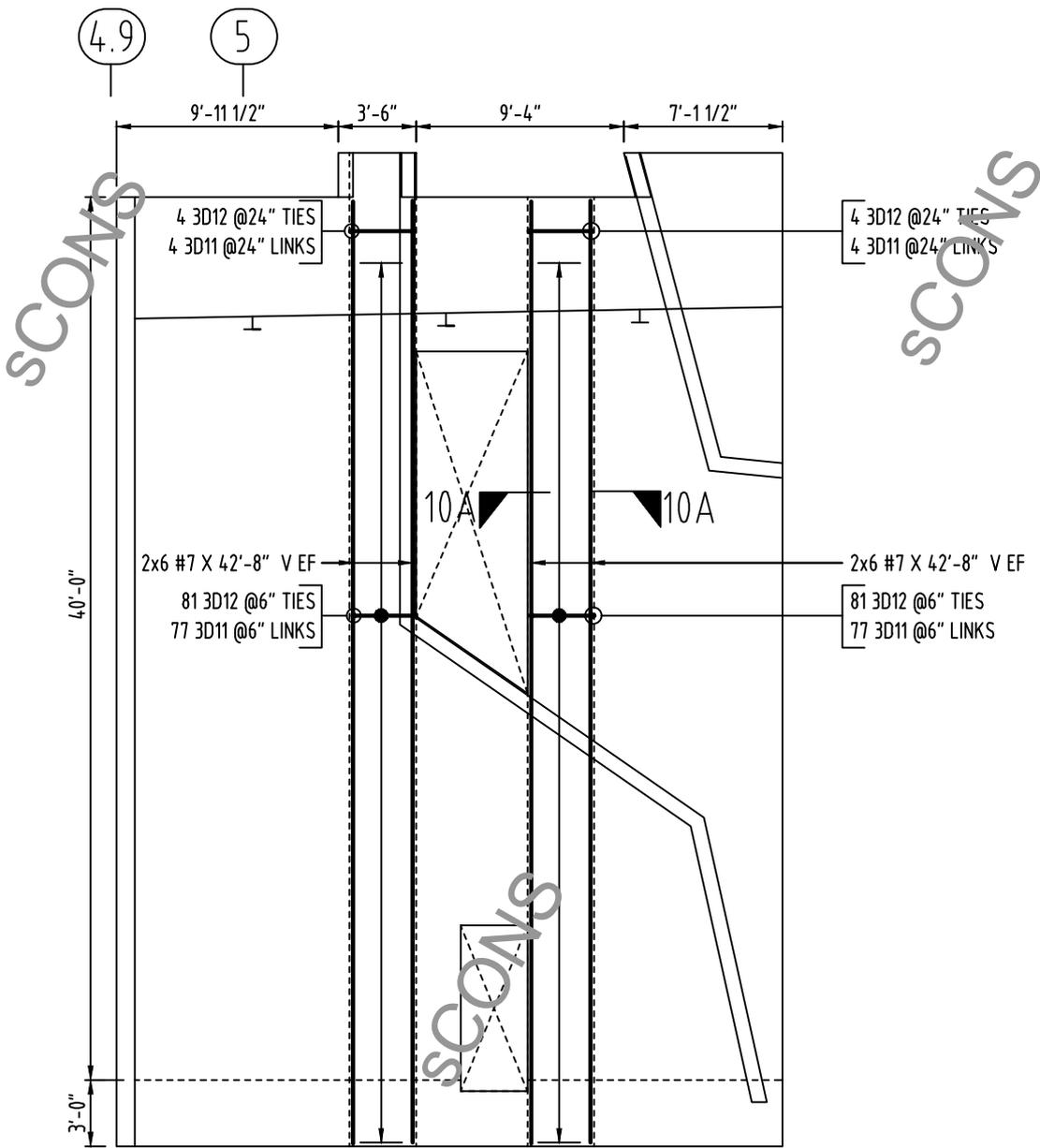
SHEET TITLE:
 BUILDING-4 PANEL LAYOUT AND SECTION DETAILS

DRAWN BY: SCS
DATE: 01-07-2025

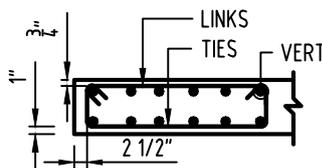
ALL REINFORCING STEEL MANUFACTURED IN THE U.S.A. GRADE 60420 U.N.O.

SHEET
 4RP00-1

JOB NUMBER
 240163

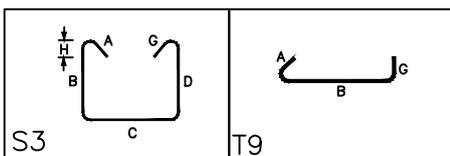


PANEL-10
 SCALE: 1/8"=1'-0"
 REF: 4-S4.1
 8 1/2" THICK



SECTION-10A
 NOT TO SCALE

Drawing Sheet: 4RP10-2		BAR LIST												
Bar Mark	Size	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'P'
3D11	#3	T9	0'-4"	2'-9 1/2"					0'-4"					
3D12	#3	S3	0'-4 1/2"	0'-6 3/4"	2'-9 1/2"	0'-6 3/4"		0'-4 1/2"	0'-3"					



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REV.	DATE	DETAILS OF REVISION	BY
4.			
3.			
2.			
1.			
0.	01/07/2025	FOR APPROVAL	SCS

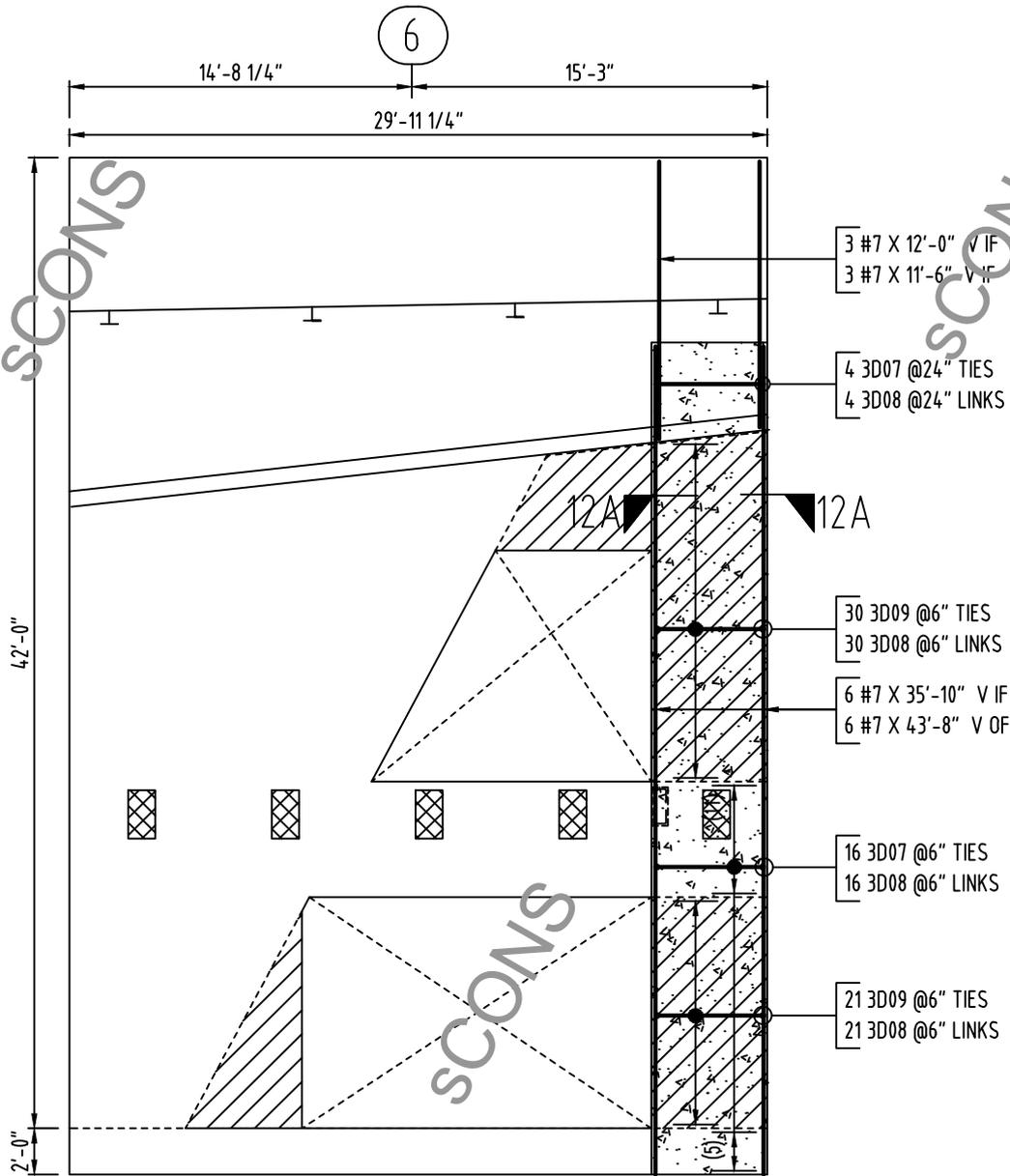
SHEET TITLE:
 PANEL P10 (PIER)
 REINFORCEMENT DETAILS

DRAWN BY: SCS
 DATE: 01/07/25

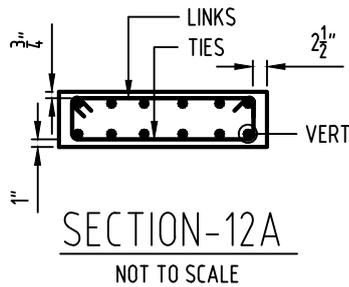
ALL REINFORCING STEEL
 MANUFACTURED IN THE U.S.A.
 GRADE 60/420 U.N.O.

SHEET
 4RP10-2

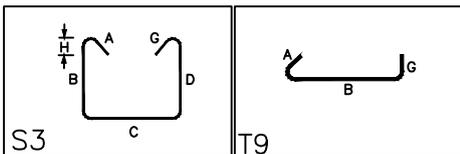
JOB NUMBER
 240163



PANEL-12
 SCALE: 1/8"=1'-0"
 REF:4-S4.1
 12" THICK



Drawing Sheet: 4RP12-2		BAR LIST												
Bar Mark	Size	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
3D07	#3	S3	0'-4 X"	1'-0 X"	4'-6 X"	1'-0 X"			0'-4 X"	0'-3"				
3D08	#3	T9	0'-4 X"	4'-6 X"					0'-4"					
3D09	#3	S3	0'-4 X"	0'-8 X"	4'-6 X"	0'-8 X"			0'-4 X"	0'-3"				



IMPORTANT NOTICE: REINFORCING STEEL PLACING DRAWINGS ARE INTENDED MERELY TO SUPPLEMENT THE PROJECT DRAWINGS AND SHOULD BE USED IN CONJUNCTION WITH IT. THIS IS NOT A CONTRACT DOCUMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONVEY THE ARCHITECT'S INTENT AND TO MAKE THE HANDLING OF REINFORCING STEEL MORE EFFICIENT AND ECONOMICAL.

REV.	DATE	BY
4.		
3.		
2.		
1.		
0.	01/07/2025	SCS

SHEET TITLE:
 PANEL P12 (PIER)
 REINFORCEMENT DETAILS

DRAWN BY: SCS
 DATE: 01/07/25

ALL REINFORCING STEEL
 MANUFACTURED IN THE U.S.A.
 GRADE 60/420 U.N.O.

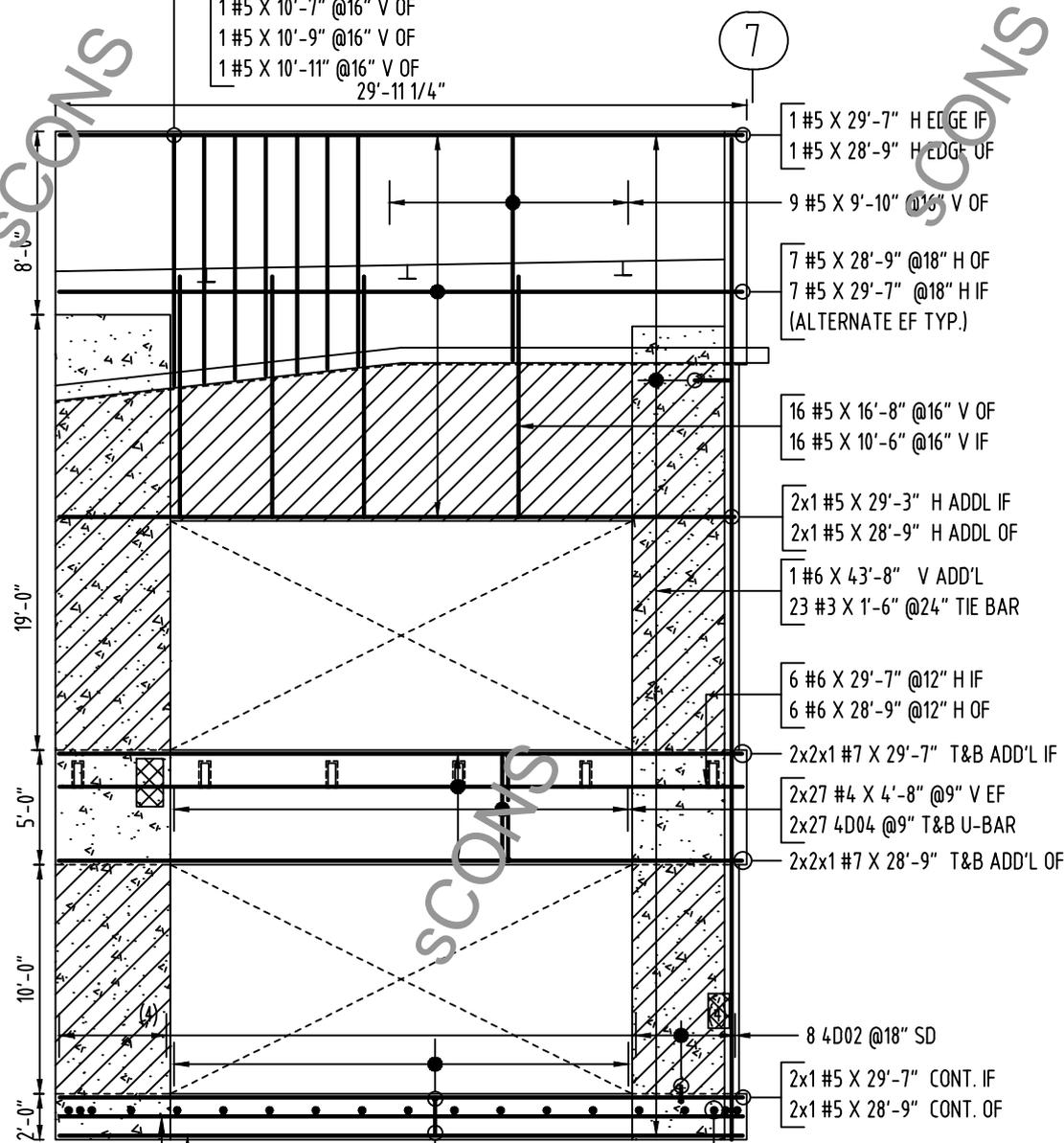
SHEET
 4RP12-2

JOB NUMBER
 240163

- 1 #5 X 10'-0" @16" V OF
- 1 #5 X 10'-2" @16" V OF
- 1 #5 X 10'-4" @16" V OF
- 1 #5 X 10'-5" @16" V OF
- 1 #5 X 10'-7" @16" V OF
- 1 #5 X 10'-9" @16" V OF
- 1 #5 X 10'-11" @16" V OF

SCONS

SCONS



- 1 #5 X 28'-9" CONT. OF
- 1 #5 X 29'-7" CONT. IF
- 1 #5 X 29'-7" H EDGE IF
- 1 #5 X 28'-9" H EDGE OF

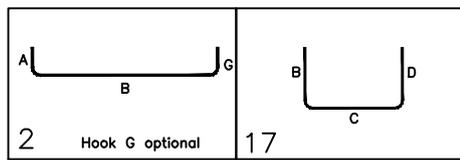
14 4D01 @18" SD

- 13 6D02 @24" DWL
- 2x3 6D02 DWL ES

21.25"
A/E/C PLEASE VERIFY
CLOUDED REINFORCEMENT
LEG VALUE FOLLOWED.

PANEL-13
SCALE: 1/8"=1'-0"
REF:4-S4.1
12"THICK

Drawing Sheet 4RP13-1		BAR LIST												
Bar Mark	Size	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
4D01	#4	17		1'-6"	4'-0"									
4D02	#4	2	0'-8"	4'-0"										
4D04	#4	17		2'-0"	0'-5 3/4"	2'-0"								
6D02	#6	17		1'-0"	1'-9 3/4"	1'-0"								



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REV.	DATE	BY
4.		
3.		
2.		
1.		
0.	01/07/2025	SCS

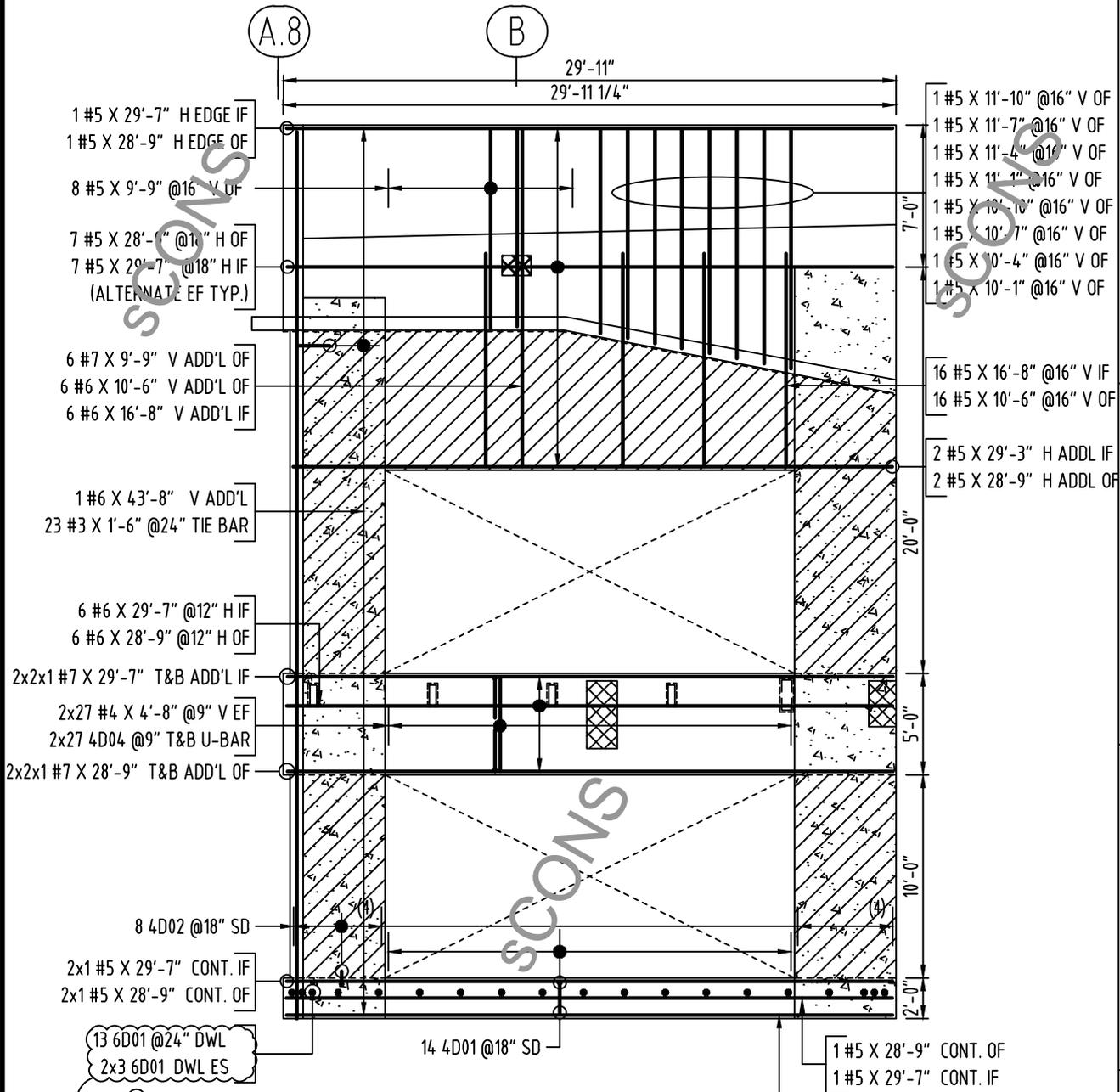
SHEET TITLE:
PANEL P13
REINFORCEMENT DETAILS

DRAWN BY: SCS
DATE: 01/07/25

ALL REINFORCING STEEL
MANUFACTURED IN THE U.S.A.
GRADE 60/420 U.N.O.

SHEET
4RP13-1

JOB NUMBER
240163

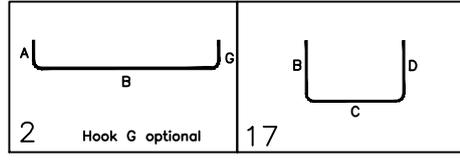


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PANEL-14
 SCALE: 1/8"=1'-0"
 REF:4-S4.1
 8 1/2" THICK

U 17.75" A/E/C PLEASE VERIFY CLOUDED REINFORCEMENT LEG VALUE FOLLOWED.

Drawing Sheet: 4RP14-1		BAR LIST													
Bar	Size	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'	
4D01	#4	17		1'-6"	4'-0"										
4D02	#4	2	0'-8"	4'-0"											
4D04	#4	17		2'-0"	0'-5 3/4"	2'-0"									
6D01	#6	17		1'-0"	1'-5 3/4"	1'-0"									



REV.	DATE	BY
4.		
3.		
2.		
1.		
0.	01/07/2025	SCS

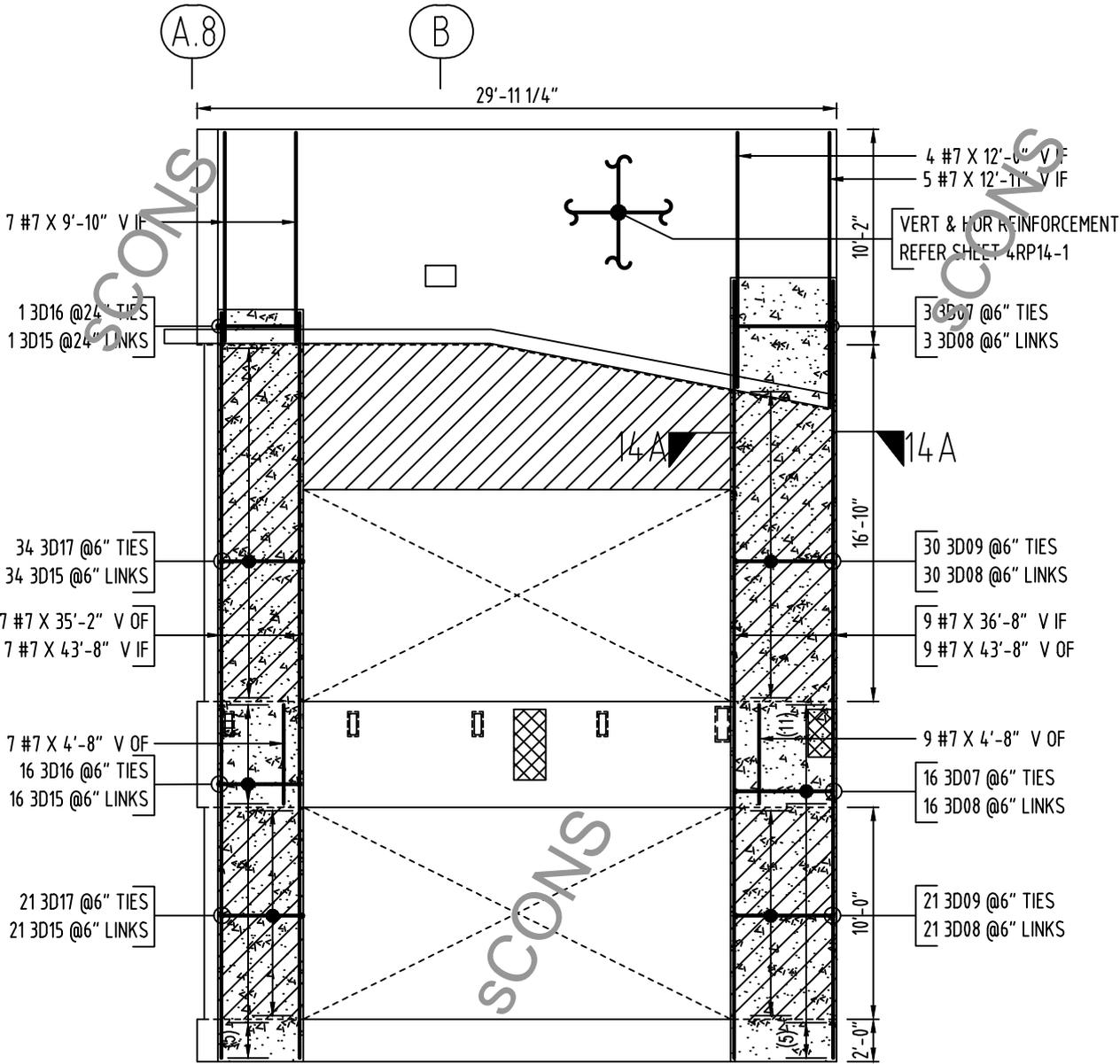
SHEET TITLE:
 PANEL P14
 REINFORCEMENT DETAILS

DRAWN BY: SCS
 DATE: 01/07/25

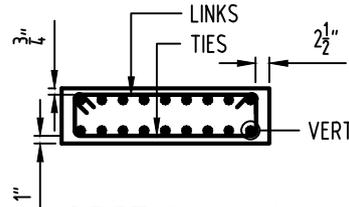
ALL REINFORCING STEEL MANUFACTURED IN THE U.S.A. GRADE 60/420 U.N.O.

SHEET
 4RP14-1

JOB NUMBER
 240163

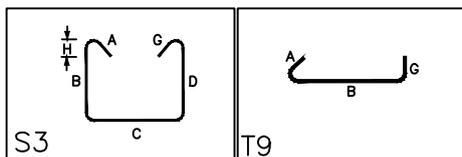


PANEL-14
 SCALE: 1/8" = 1'-0"
 REF: 4-S4.1
 8 1/2" THICK



SECTION-14A
 NOT TO SCALE

Drawing Sheet: 4RP14-2		BAR LIST												
Bar Mark	Size	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'R'
3D07	#3	S3	0'-4 X"	1'-0 X"	4'-6 X"	1'-0 X"			0'-4 X"	0'-3"				
3D08	#3	T9	0'-4 X"	4'-6 X"					0'-4 X"					
3D09	#3	S3	0'-4 X"	0'-8 X"	4'-6 X"	0'-8 X"			0'-4 X"	0'-3"				
3D15	#3	T9	0'-4 X"	3'-9 X"					0'-4 X"					
3D16	#3	S3	0'-4 X"	1'-0 X"	3'-9 X"	1'-0 X"			0'-4 X"	0'-3"				
3D17	#3	S3	0'-4 X"	0'-8 X"	3'-9 X"	0'-8 X"			0'-4 X"	0'-3"				



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REV.	DATE	DETAILS OF REVISION
4.		
3.		
2.		
1.		
0.	01/07/2025	FOR APPROVAL

SCS BY

SHEET TITLE:
 PANEL P14 (PIER)
 REINFORCEMENT DETAILS

DRAWN BY: SCS
DATE: 01/07/25

ALL REINFORCING STEEL MANUFACTURED IN THE U.S.A.
 GRADE 60/420 U.N.O.

SHEET
 4RP14-2

JOB NUMBER
 240163

- 1 #5 X 16'-3" @16" V OF
- 1 #5 X 16'-0" @16" V OF
- 1 #5 X 15'-9" @16" V OF
- 1 #5 X 15'-6" @16" V OF
- 1 #5 X 15'-2" @16" V OF
- 1 #5 X 14'-11" @16" V OF
- 1 #5 X 14'-8" @16" V OF
- 1 #5 X 14'-5" @16" V OF
- 1 #5 X 14'-2" @16" V OF
- 1 #5 X 13'-11" @16" V OF

29'-11 1/2"

13'-3 3/4"

13'-8 1/4"

10'-0"

- 2x6 #6 X 29'-7" @12" H EF
- 2x2 #7 X 29'-7" T&B ADD'L IF
- 2x21 #4 X 4'-8" @9" V EF
- 2x21 4D04 @9" T&B U-BAR

10 #5 X 6'-6" @16" V IF

8 4D02 @18" SD

2x1 #5 X 29'-7" CONT. EF

2x1 #5 X 29'-7" H EDGE EF

5 #5 X 3'-8" @16" V OF

2x1 #5 X 29'-7" H EDGE EF

12 #5 X 29'-7" @18" H IF

- 1 #5 X 17'-6" @16" V OF
- 1 #5 X 19'-4" @16" V OF
- 1 #5 X 21'-3" @16" V OF
- 1 #5 X 23'-1" @16" V OF
- 1 #5 X 24'-11" @16" V OF

2x1 #5 X 10'-11" @18" H EF

2x5 #5 X 9'-8" @18" H EF

2x2 #5 X 45'-8" @16" V EF

5 #5 X 45'-8" @16" V IF

4 #5 X 4'-8" @16" V OF

2x1 #5 X 31'-8" @16" V EF

2x6 #5 X 9'-8" @18" H EF

11 4D01 @18" SD

2x1 #5 X 29'-7" CONT. EF

- 13 6D01 @24" DWL
- 2x3 6D01 DWL ES

U
17.75"

A/E/C PLEASE VERIFY
CLOUDED REINFORCEMENT
LEG VALUE FOLLOWED.

PANEL-15

SCALE: 1/8"=1'-0"

REF:4-S4.1

8 1/2" THICK

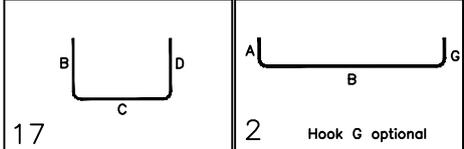
IMPORTANT NOTICE: REINFORCING STEEL PLACING DRAWINGS ARE INTENDED MERELY TO SUPPLEMENT THE PROJECT DRAWINGS AND SHOULD BE USED IN CONJUNCTION WITH THEM. THIS IS NOT A CONTRACT DOCUMENT. IT IS THE RESPONSIBILITY OF THE ARCHITECT/ENGINEER TO CONVEY THE ARCHITECT'S INTENT AND TO MAKE THE HANDLING OF REINFORCING STEEL MORE EFFICIENT AND ECONOMICAL.

					SCS	BY
					01/07/2025	DATE
						FOR APPROVAL
						DETAILS OF REVISION
4.	3.	2.	1.	0.		REV.

Drawing Sheet: 4RP15-1

BAR LIST

Bar Mark	Size	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'O'	'P'
4D01	#4	17		1'-6"	4'-0"									
4D02	#4	2	0'-8"	4'-0"										
4D04	#4	17		2'-0"	0'-5 3/4"	2'-0"								
6D01	#6	17		1'-0"	1'-5 3/4"	1'-0"								



SHEET TITLE:
PANEL P15
REINFORCEMENT DETAILS

DRAWN BY: SCS
DATE: 01/07/25

ALL REINFORCING STEEL
MANUFACTURED IN THE U.S.A.
GRADE 60/420 U.N.O.

SHEET
4RP15-1

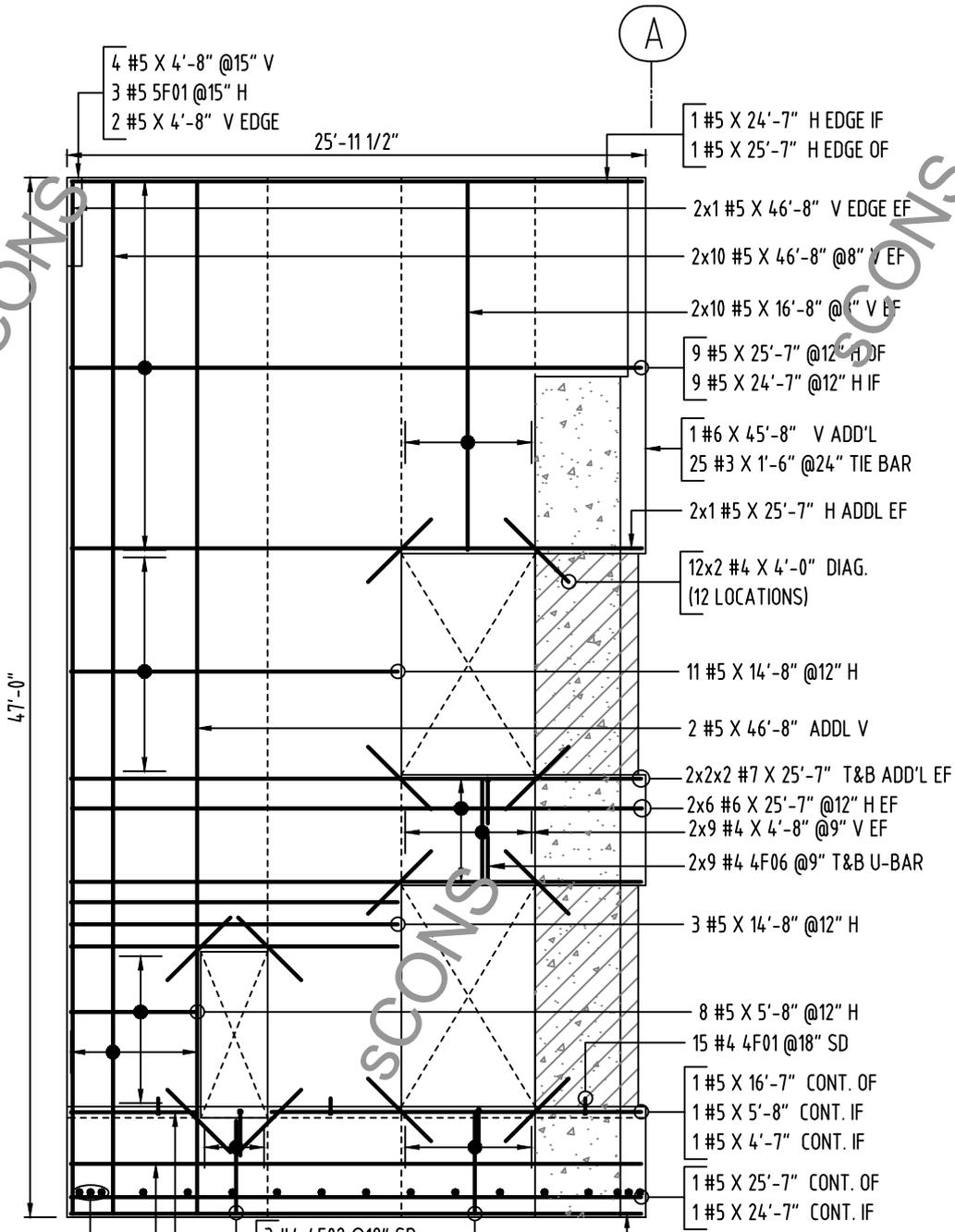
JOB NUMBER
240163

SCONS

SCONS

SCONS

SCONS



11 #6 6F01 @24" DWL
2x3 #6 6F01 DWL ES
17.75"
A/E/C PLEASE VERIFY
CLOUDED REINFORCEMENT
LEG VALUE FOLLOWED.

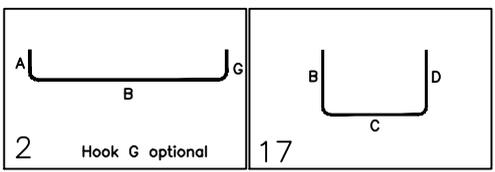
3 #4 4F02 @18" SD
2x5 #5 X 4'-2" @8" V EF
2x1 #5 X 5'-8" CONT. EF
6 #5 X 25'-7" @12" H OF
6 #5 X 24'-7" @12" H IF

5 #4 4F05 @18" SD
10 #5 X 4'-6" @8" V OF
10 #5 X 4'-2" @8" V IF

1 #5 X 24'-7" H EDGE IF
1 #5 X 25'-7" H EDGE OF
2x1 #5 X 46'-8" V EDGE EF
2x10 #5 X 46'-8" @8" V EF
2x10 #5 X 16'-8" @1" V EF
9 #5 X 25'-7" @12" H OF
9 #5 X 24'-7" @12" H IF
1 #6 X 45'-8" V ADD'L
25 #3 X 1'-6" @24" TIE BAR
2x1 #5 X 25'-7" H ADDL EF
12x2 #4 X 4'-0" DIAG.
(12 LOCATIONS)
11 #5 X 14'-8" @12" H
2 #5 X 46'-8" ADDL V
2x2x2 #7 X 25'-7" T&B ADD'L EF
2x6 #6 X 25'-7" @12" H EF
2x9 #4 X 4'-8" @9" V EF
2x9 #4 4F06 @9" T&B U-BAR
3 #5 X 14'-8" @12" H
8 #5 X 5'-8" @12" H
15 #4 4F01 @18" SD
1 #5 X 16'-7" CONT. OF
1 #5 X 5'-8" CONT. IF
1 #5 X 4'-7" CONT. IF
1 #5 X 25'-7" CONT. OF
1 #5 X 24'-7" CONT. IF
1 #5 X 25'-7" H EDGE OF
1 #5 X 24'-7" H EDGE IF

PANEL-43
SCALE: 1/8"=1'-0"
REF:4-S4.3
8 1/2" THICK

Drawing Sheet: 4RP43-1		BAR LIST													
Bar Mark	Size	Type	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'J'	'K'	'L'	'R'	
4F01	#4	2	0'-8"	4'-0"											
4F02	#4	17		2'-0"	4'-0"										
4F05	#4	17		1'-6"	4'-0"										
4F06	#4	17		2'-0"	0'-5 3/4"	2'-0"									
5F01	#5	2	0'-10"	4'-9"											
6F01	#6	17		1'-0"	1'-5 3/4"	1'-0"									



IMPORTANT NOTICE: REINFORCING STEEL PLACING DRAWINGS ARE INTENDED MERELY TO SUPPLEMENT THE PROJECT DRAWINGS AND SHOULD BE USED IN CONJUNCTION WITH IT. THIS IS NOT A CONTRACT DOCUMENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONVEY THE ARCHITECT'S INTENT AND TO MAKE THE HANDLING OF REINFORCING STEEL MORE EFFICIENT AND ECONOMICAL.

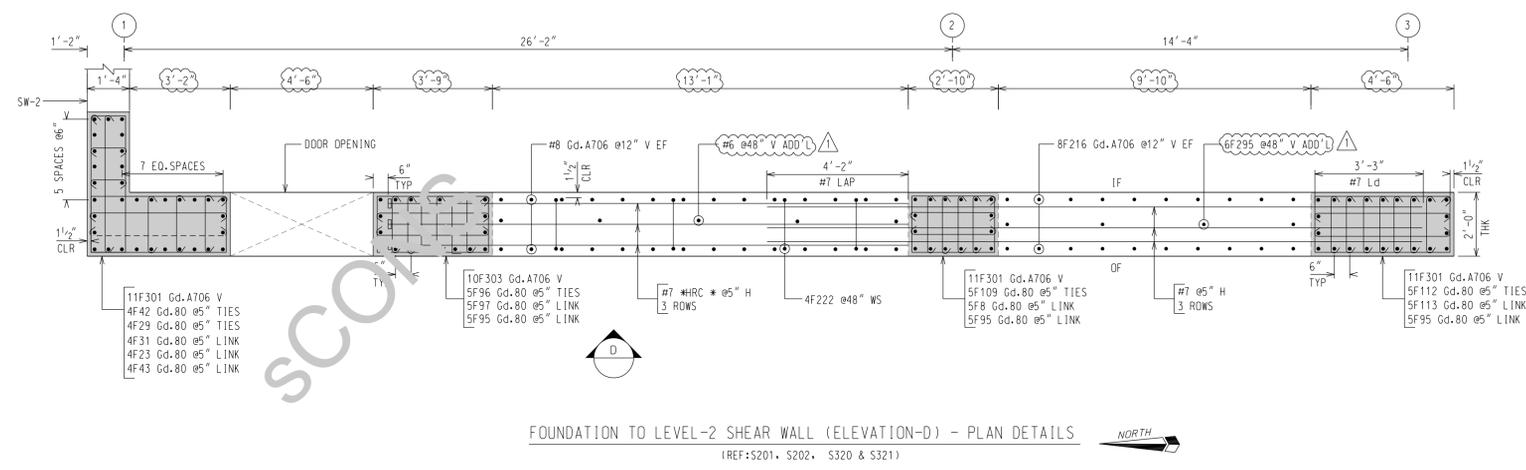
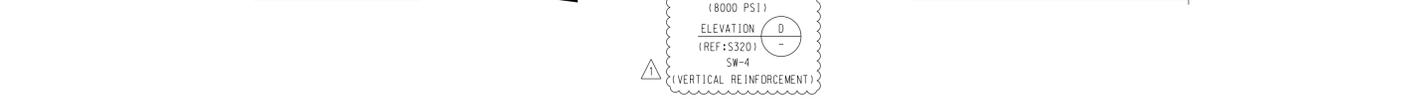
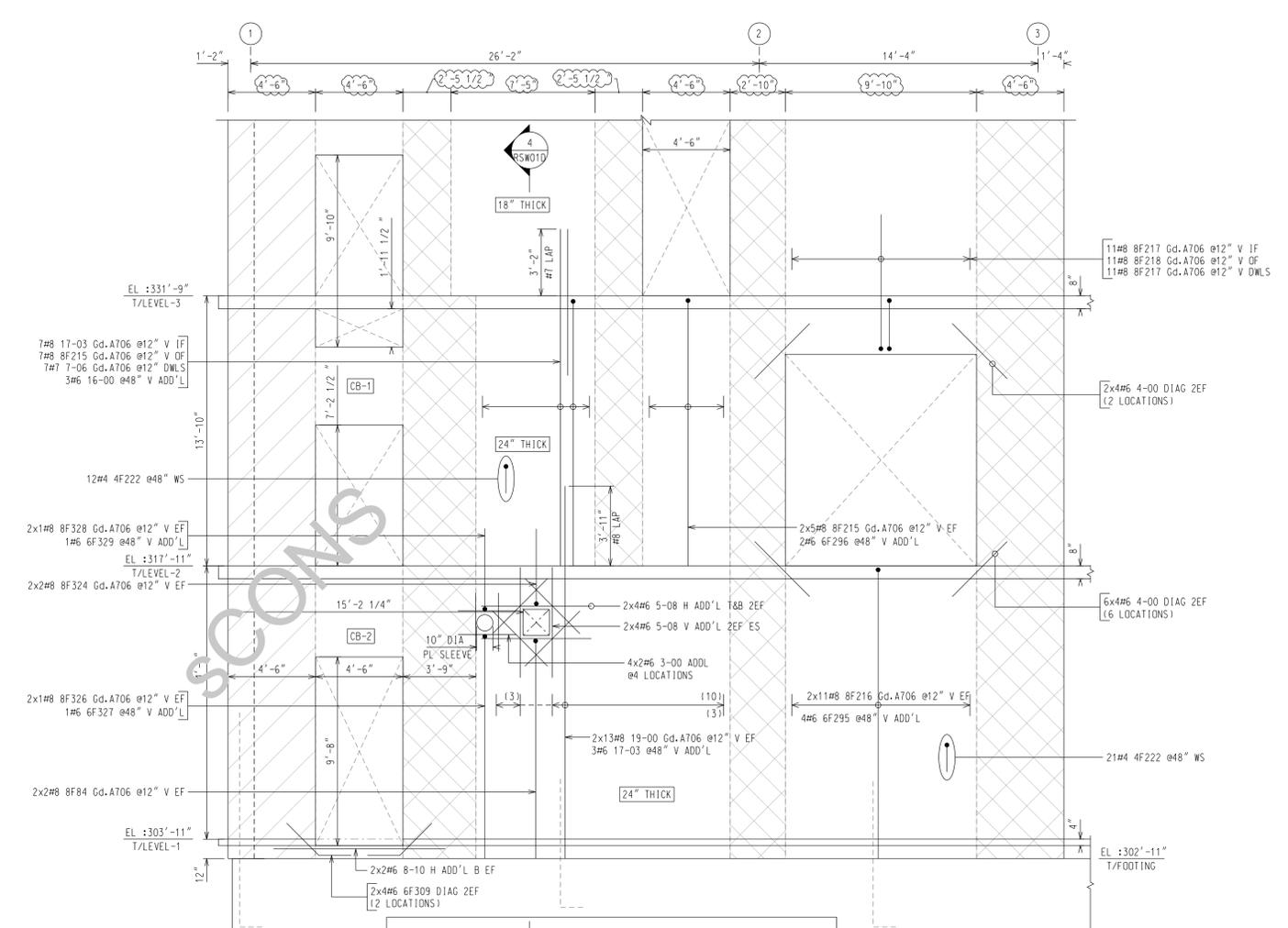
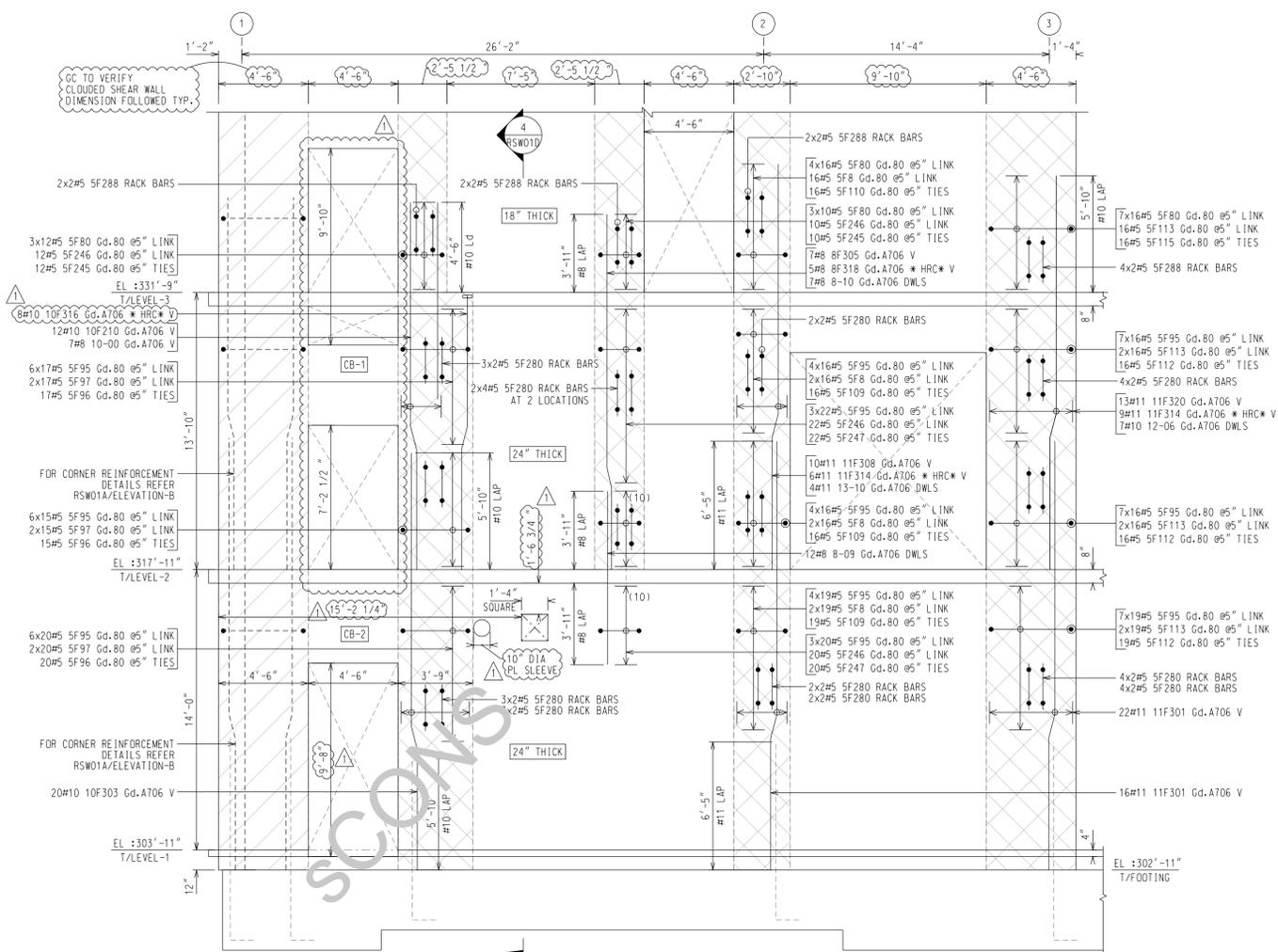
REV.	DATE	BY
4.		
3.		
2.		
1.		
0.	01/07/2025	SCS

SHEET TITLE:
PANEL P43
REINFORCEMENT DETAILS
DRAWN BY: SCS
DATE: 01/07/25

ALL REINFORCING STEEL
MANUFACTURED IN THE U.S.A.
GRADE 60/420 U.N.O.

SHEET
4RP43-1

JOB NUMBER
240163



FOUNDATION TO LEVEL-2 SHEAR WALL (ELEVATION-D) - PLAN DETAILS
(REF: S201, S202, S320 & S321)

- REFERENCES:**
- REFER RSW01 FOR SHEAR WALL KEY PLAN DETAILS
 - REFER RSW01A FOR SW-1 & SW-2 REINFORCEMENT DETAILS
 - REFER RSW01B FOR SW-3 REINFORCEMENT DETAILS
 - REFER RSW01C FOR SW-4 VERTICAL REINFORCEMENT DETAILS
 - REFER RSW01D FOR SW-4 HORIZONTAL & COUPLING BEAM REINFORCEMENT DETAILS
 - REFER RSW01E FOR SW-5 & SW-7 REINFORCEMENT DETAILS
 - REFER RSW01F FOR SW-6 REINFORCEMENT DETAILS
 - REFER RSW01G FOR SW-8, SW-9 & SW-10 REINFORCEMENT DETAILS
 - REFER RSW01H FOR BAR BENDING SCHEDULE DETAILS

GC TO VERIFY ADDITIONAL LENGTH REQUIRED FOR HRC 555 LOCATIONS TYP.

BAR SIZE	ADD'L LENGTH REQUIRED
#4	1.5"
#5	1.75"
#6	2"
#7	2.25"
#8	2.5"
#9	2.75"
#10	3"
#11	3"

BEAM LAP TABLE (REF: 36/S301)

BAR SIZE	(GR. 60) BAR (FC: 6000 PSI)	
	OTHER	TOP
#4	21"	27"
#5	26"	33"
#6	31"	40"
#7	45"	58"
#8	51"	66"
#9	57"	74"
#10	64"	84"
#11	71"	93"

SHEAR WALL VERTICAL LAP TABLE (REF: 6/S321)

BAR SIZE	(GR. 60) BAR (FC: 8000 PSI)	
	OTHER	TOP
#4	16"	21"
#5	20"	26"
#6	24"	31"
#7	34"	45"
#8	39"	51"
#9	44"	57"
#10	50"	64"
#11	55"	71"

SHEAR WALL VERTICAL DEVELOPMENT LENGTH (GRADE 706) fc = 8000 PSI

BAR SIZE	DEVELOPMENT LENGTH	
	OTHER	TOP
#4	18"	18"
#5	17"	22"
#6	21"	27"
#7	30"	39"
#8	37"	44"
#9	45"	50"
#10	54"	56"
#11	60"	62"

BEAM DEVELOPMENT LENGTH SCHEDULE

BAR SIZE	(GR. 60) BAR (FC: 6000 PSI)	
	OTHER	TOP
#4	16"	21"
#5	20"	26"
#6	24"	31"
#7	34"	45"
#8	39"	51"
#9	44"	57"
#10	50"	64"
#11	55"	71"

SHEAR WALL HORIZONTAL LAP TABLE (REF: 36/S301)

BAR SIZE	(GR. 60) BAR (FC: 8000 PSI)	
	OTHER	TOP
#4	18"	23"
#5	22"	29"
#6	27"	35"
#7	39"	50"
#8	44"	57"
#9	50"	64"
#10	56"	72"
#11	62"	80"

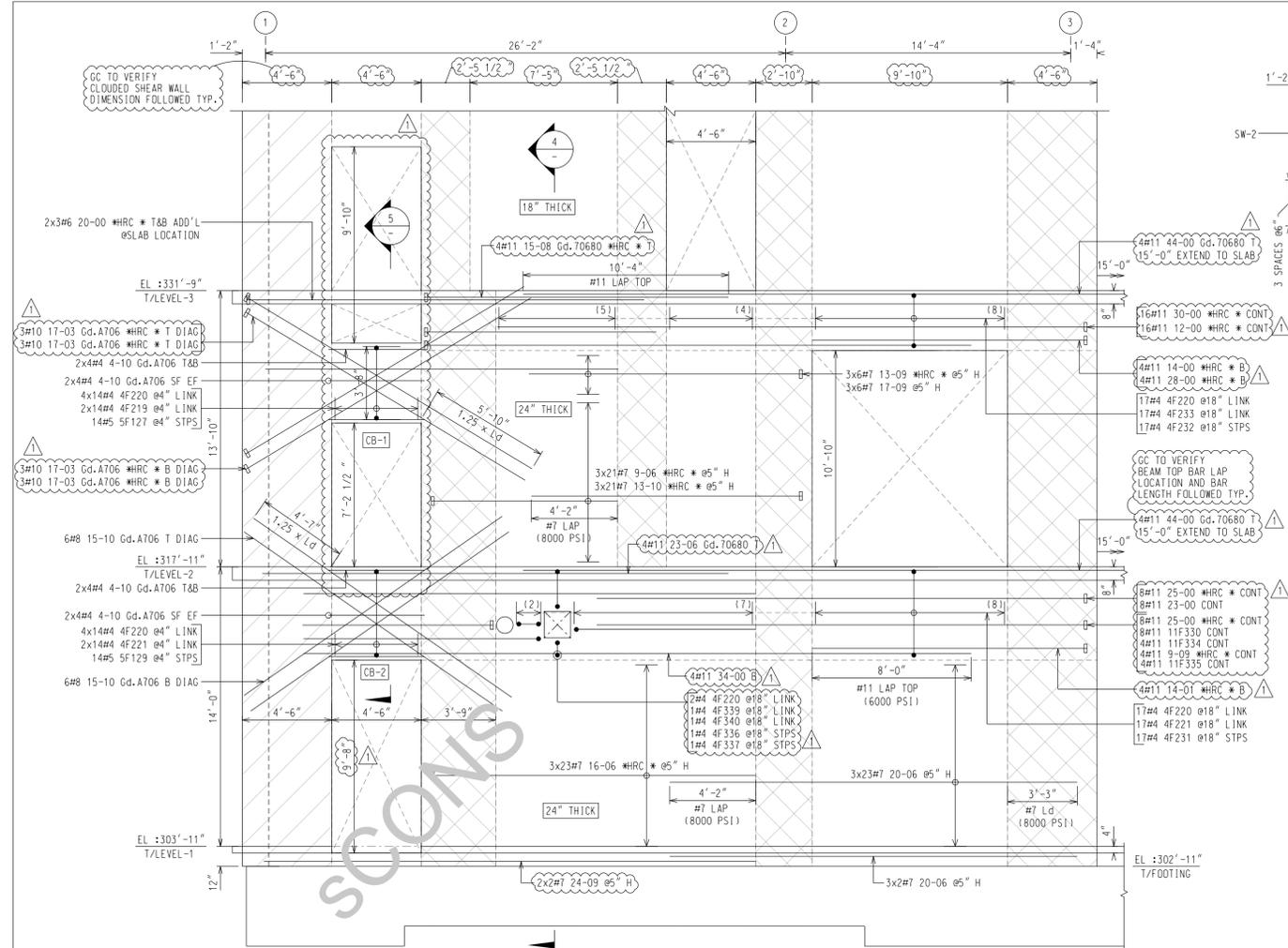
SHEAR WALL HORIZONTAL DEVELOPMENT LENGTH SCHEDULE

BAR SIZE	(GR. 60) BAR (FC: 8000 PSI)	
	OTHER	TOP
#4	14"	18"
#5	17"	22"
#6	21"	27"
#7	30"	39"
#8	34"	44"
#9	38"	50"
#10	43"	56"
#11	48"	62"

- COVER**
- SHEAR WALL
TOP = 1 1/2"
AROUND OPENING = 2"
INNER FACE = 1 1/2"
OUTER FACE = 1 1/2"
TIES SIDES = 1 1/2"
- ABBREVIATIONS**
- ADD'L = ADDITIONAL
 - B = BOTTOM
 - CONT = CONTINUOUS
 - DIAG = DIAGONAL
 - DIA = DIAMETER
 - DWLS = DWELS
 - EF = EACH FACE
 - EL = ELEVATION
 - EW = EACH WAY
 - H = HORIZONTAL
 - IF = INNER FACE
 - OF = OUTER FACE
 - REF = REFERENCES
 - REINF = REINFORCEMENT
 - STPS = STIRRUPS
 - SF = SIDE FACE
 - T = TOP
 - TYP = TYPICAL
 - V = VERTICAL
 - WS = WALL SPREADER

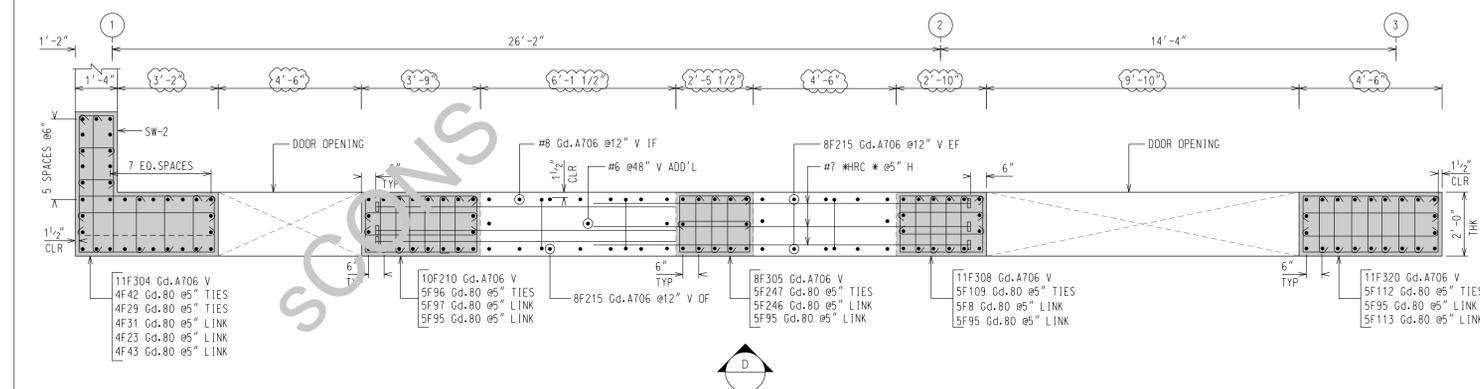
ALL REINFORCING BARS CONFORM TO ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE

FILE & FIELD USE



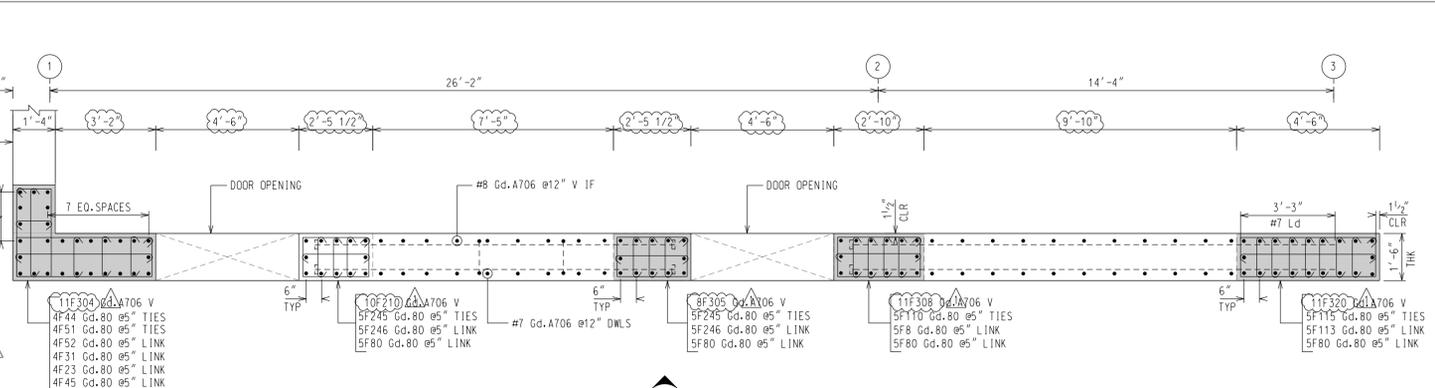
(8000 PSI)
ELEVATION D
(REF: S320)
SW-4
(HORIZONTAL REINFORCEMENT)

ALL OPENING ADDITIONAL & SLAB DWEL BARS FOLLOWED AS ASTM A615 GRADE 60

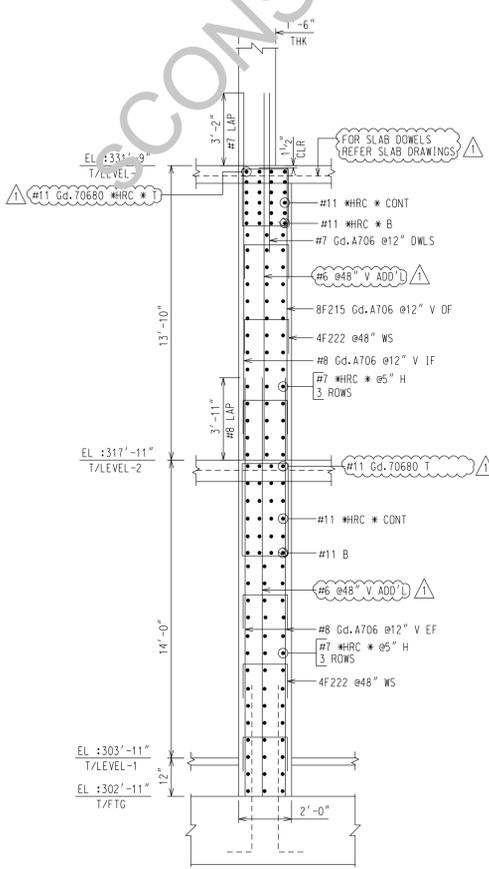


LEVEL-2 TO LEVEL-3 SHEAR WALL (ELEVATION-D) - PLAN DETAILS
(REF: S202, S203, S320 & S321)

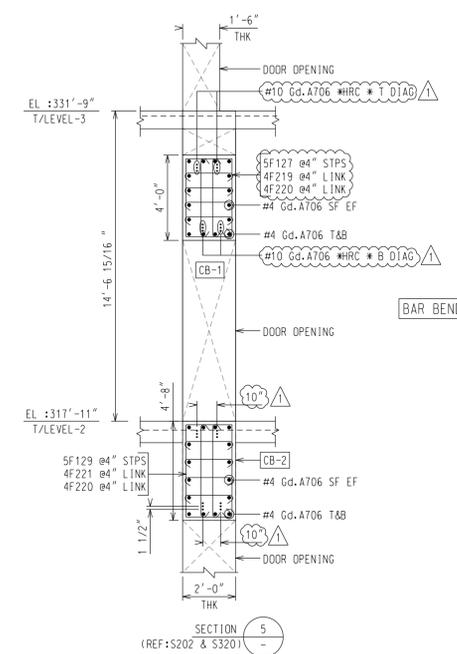
- REFERENCES:
- REFER RSW01 FOR SHEAR WALL KEY PLAN DETAILS
 - REFER RSW01A FOR SW-1 & SW-2 REINFORCEMENT DETAILS
 - REFER RSW01B FOR SW-3 REINFORCEMENT DETAILS
 - REFER RSW01C FOR SW-4 VERTICAL REINFORCEMENT DETAILS
 - REFER RSW01D FOR SW-4 HORIZONTAL & COUPLING BEAM REINFORCEMENT DETAILS
 - REFER RSW01E FOR SW-5 & SW-7 REINFORCEMENT DETAILS
 - REFER RSW01F FOR SW-6 REINFORCEMENT DETAILS
 - REFER RSW01G FOR SW-8, SW-9 & SW-10 REINFORCEMENT DETAILS
 - REFER RSW01H FOR BAR BENDING SCHEDULE DETAILS



LEVEL-3 TO LEVEL-4 SHEAR WALL (ELEVATION-D) - PLAN DETAILS
(REF: S203, S204, S320 & S321)



SECTION 4
(REF: S202 & S320)



SECTION 5
(REF: S202 & S320)

BAR BENDING SCHEDULE REFER RSW01H SHEET

GC TO VERIFY ADDITIONAL LENGTH (REQUIRED FOR HRC 555 LOCATIONS) TYP.

HRC 555 T-HEAD ADD'L LENGTH

BAR SIZE	ADD'L LENGTH REQUIRED
#4	1.5"
#5	1.75"
#6	2"
#7	2.25"
#8	2.5"
#9	2.75"
#10	3"
#11	3"

BEAM LAP TABLE (REF: 36/S301)

BAR SIZE	(GR. 60) BAR (FC: 6000 PSI)	
	OTHER	TOP
#4	21"	21"
#5	26"	33"
#6	31"	40"
#7	45"	58"
#8	51"	66"
#9	57"	74"
#10	64"	84"
#11	71"	93"

SHEAR WALL VERTICAL LAP TABLE (REF: 6/S321)

BAR SIZE	LAP SPLICE (GRADE 706) fc = 8000 PSI	
	OTHER	TOP
#4	21"	21"
#5	26"	33"
#6	31"	40"
#7	45"	58"
#8	51"	66"
#9	57"	74"
#10	64"	84"
#11	71"	93"

SHEAR WALL VERTICAL DEVELOPMENT LENGTH (GRADE 706) fc = 8000 PSI

BAR SIZE	DEVELOPMENT LENGTH	
	OTHER	TOP
#4	14"	18"
#5	17"	22"
#6	23"	27"
#7	38"	39"
#8	47"	44"
#9	58"	50"
#10	70"	56"
#11	77"	62"

BEAM DEVELOPMENT LENGTH SCHEDULE (GR. 60) BAR (FC: 6000 PSI)

BAR SIZE	DEVELOPMENT LENGTH	
	OTHER	TOP
#4	16"	21"
#5	20"	26"
#6	24"	31"
#7	34"	45"
#8	39"	51"
#9	44"	57"
#10	50"	64"
#11	55"	71"

SHEAR WALL HORIZONTAL LAP TABLE (REF: 36/S301)

BAR SIZE	(GR. 60) BAR (FC: 8000 PSI)	
	OTHER	TOP
#4	18"	23"
#5	22"	29"
#6	27"	35"
#7	39"	50"
#8	44"	57"
#9	50"	64"
#10	56"	72"
#11	62"	80"

SHEAR WALL HORIZONTAL DEVELOPMENT LENGTH SCHEDULE (GR. 60) BAR (FC: 8000 PSI)

BAR SIZE	DEVELOPMENT LENGTH	
	OTHER	TOP
#4	14"	18"
#5	17"	22"
#6	21"	27"
#7	30"	39"
#8	34"	44"
#9	38"	50"
#10	43"	56"
#11	48"	62"

- ABBREVIATIONS
- ADD'L = ADDITIONAL
 - B = BOTTOM
 - CONT = CONTINUOUS
 - DIAG = DIAGONAL
 - DWLS = DWELS
 - EF = EACH FACE
 - EL = ELEVATION
 - EW = EACH WAY
 - H = HORIZONTAL
 - IF = INNER FACE
 - OF = OUTER FACE
 - REF = REFERENCES
 - REINF = REINFORCEMENT
 - SF = STIRRUPS
 - SP = SIDE FACE
 - T = TOP
 - TYP = TYPICAL
 - V = VERTICAL
 - WS = WALL SPREADER

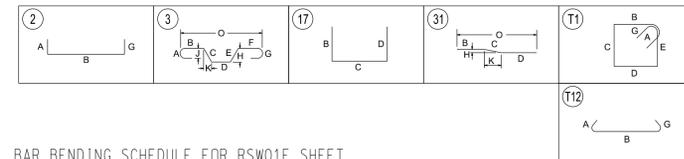
ALL REINFORCING BARS CONFORM TO ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE

FILE & FIELD USE

BAR BENDING SCHEDULE FOR RSW01A SHEET

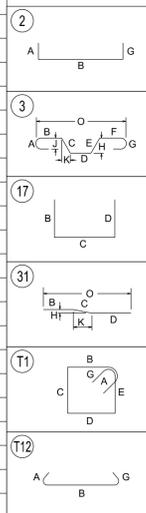
SIZE	EP	BAR MARK	V	BND TYP	CD	A	B	C	D	E	F/R	G	H	J	K	O
11		11F301		31		6-07	1-023	13-073					0-033		1-021	21-05
11		11F304		31		6-07	1-023	11-003					0-033		1-021	18-10
10		10F204		31		6-00	1-02	12-082					0-032		1-012	19-10
10		10F303		31		6-00	1-02	13-082					0-032		1-012	20-10
8		8F302		31		4-01	1-001	13-10					0-023		1-00	18-11
8		8F305		31		4-01	1-001	12-08					0-023		1-00	17-09
7		7F298		31		3-09	1-001	13-10					0-022		1-00	18-07
7		7F299		31		3-09	1-001	12-08					0-022		1-00	17-05
6		6F10		2	1-00	10-09										
6		6F11		2	1-00	3-03										
5		5F6		T12		0-052	1-01					0-052				
5		5F90		2	0-10	9-06										
5		5F197		2	0-10	8-11										
5		5F238		T12		0-052	2-082					0-052				
5		5F239		T1		0-052	1-01	2-082	1-01	2-082		0-052				
5		5F282		3		0-04	1-041	0-04					0-112		0-112	1-072
5		5F287		3		0-04	1-072	0-04					0-113		0-113	1-093
5		5F291		3		0-04	1-042	0-04					0-113		0-113	1-073
5		5F292		3		0-04	2-04	0-04					1-073		1-073	2-033
4		4F23		T12		0-042	1-01									0-042
4		4F28		T12		0-042	2-07									0-042
4		4F29		T1		0-042	4-03	1-01	4-03	1-01						0-042
4		4F31		T12		0-042	4-03									0-042
4		4F42		T1		0-042	4-03	1-09	4-03	1-09						0-042
4		4F43		T12		0-042	1-09									0-042
4		4F44		T1		0-042	4-03	1-03	4-03	1-03						0-042
4		4F45		T12		0-042	1-03									0-042
4		4F51		T1		0-042	2-09	1-01	2-09	1-01						0-042
4		4F52		T12		0-042	2-09									0-042
4		4F70		T1		0-042	1-03	2-07	1-03	2-07						0-042
4		4F183		17		1-06	1-01	1-06								
4		4F241		T1		0-042	1-01	3-022	1-01	3-022						0-042
4		4F242		T12		0-042	3-022									0-042

SIZE	EP	BAR MARK	V	BND TYP	CD	A	B	C	D	E	F/R	G	H	J	K	O
11	HRC	11F314		31		6-07	1-023	6-013					0-033		1-021	13-11



BAR BENDING SCHEDULE FOR RSW01E SHEET

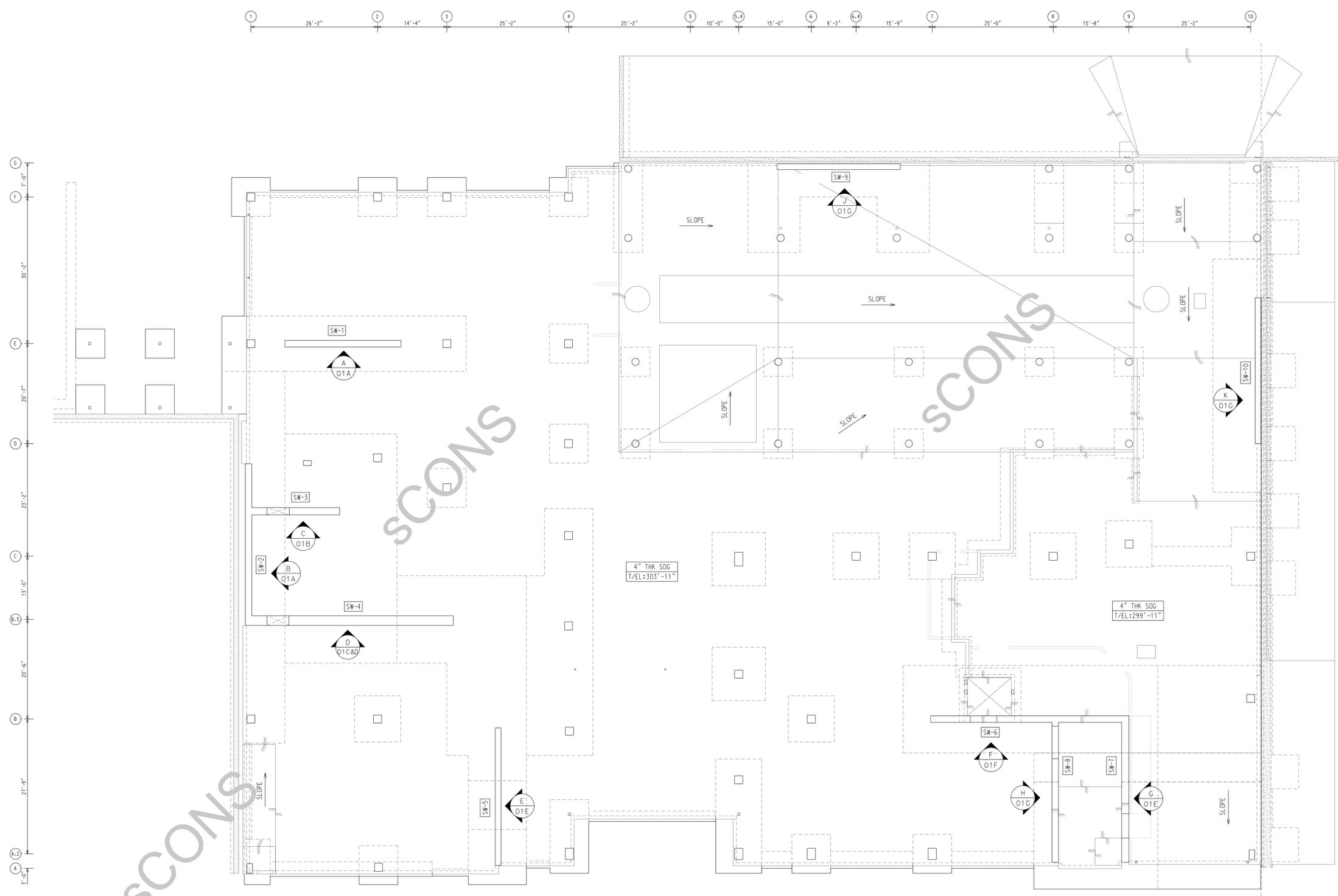
SIZE	EP	BAR MARK	V	BND TYP	CD	A	B	C	D	E	F/R	G	H	J	K	O
10		10F210		31		6-00	1-02	11-022					0-032		1-012	18-04
10		10F342		31		6-00	1-02	18-012					0-032		1-012	25-03
8		8F152		31		4-01	1-001	18-05					0-023		1-00	23-06
8		8F343		2	1-04	13-06										
7		7F298		31		3-09	1-001	13-10					0-022		1-00	18-07
7		7F299		31		3-09	1-001	12-08					0-022		1-00	17-05
7		7F338		31		3-09	1-001	14-01					0-022		1-00	19-01
7		7F344		3		15-00	4-02						0-032		4-013	19-013
7		7F345		3		6-00	4-02						0-032		4-02	10-02
7		7F346		2	1-02	4-02										
5		5F58		T12		0-052	3-022					0-052				
5		5F80		T12		0-052	1-01					0-052				
5		5F133		T12		0-052	0-11					0-052				
5		5F145		T1		0-052	4-09	1-03	4-09	1-03			0-052			
5		5F148		T12		0-052	4-09						0-052			
5		5F250		T1		0-052	0-11	3-022	0-11	3-022		0-052				
5		5F281		3		0-04	1-012	0-04					0-092		0-092	1-052
5		5F287		3		0-04	1-072	0-04					1-013		1-013	1-093
5		5F288		3		0-04	1-07	0-04					1-012		1-012	1-092
5		5F290		3		0-04	1-013	0-04					0-093		0-093	1-053
5		5F341		3		2-09	9-11	2-09					0-053		9-103	
4		4F45		T12		0-042	1-03									0-042
4		4F61		T12		0-042	1-021									0-042
4		4F136		17		1-06	0-11	1-06								
4		4F138		T12		0-042	0-11									0-042
4		4F139		T12		0-042	2-02									0-042
4		4F140		T1		0-042	2-02	0-11	2-02	0-11						0-042
4		4F159		17		1-06	1-03	1-06								
4		4F213		T1		0-042	1-03	1-021	1-03	1-021						0-042
4		4F255		T12		0-042	2-021									0-042
4		4F256		T1		0-042	1-03	2-021	1-03	2-021						0-042



BAR BENDING SCHEDULE FOR RSW01C SHEET

SIZE	EP	BAR MARK	V	BND TYP	CD	A	B	C	D	E	F/R	G	H	J	K	O
11		11F301		31		6-07	1-023	13-073					0-033		1-021	21-05
11		11F308		31		6-07	1-023	12-053					0-033		1-021	20-03
11		11F320		31		6-07	1-023	11-103					0-033		1-021	19-08
10		10F210		31		6-00	1-02	11-022					0-032		1-012	18-04
10		10F303		31		6-00	1-02	13-082					0-032		1-012	20-10
8		8F84		2	1-04	11-03										
8		8F215		2	1-04	13-08										
8		8F216		2	1-04	14-10										
8		8F217		2	1-04	7-00						1-04				
8		8F218		2	1-04	2-08										
8		8F305		31		4-01	1-001	12-08					0-023		1-00	17-09
8		8F324		2	1-04	4-02										
8		8F326		2	1-04	11-06										
8		8F328		2	1-04	4-03										
6		6F295		2	1-00	14-10										
6		6F296		2	1-00	13-08										
6		6F309		3		2-04	1-081						1-021		1-021	3-061
6		6F327		2	1-00	11-06										
6		6F329		2	1-00	4-03										
5		5F8		T12		0-052	2-07						0-052			
5		5F80		T12		0-052	1-03						0-052			
5		5F95		T12		0-052	1-09						0-052			
5		5F96		T1		0-052	3-06	1-09	3-06	1-09			0-052			
5		5F97		T12		0-052	3-06						0-052			
5		5F109		T1		0-052	2-07	1-09	2-07	1-09			0-052			
5		5F110		T1		0-052	2-07	1-03	2-07	1-03			0-052			
5		5F112		T1		0-052	4-03	1-09	4-03	1-09			0-052			
5		5F113		T12		0-052	4-03						0-052			
5		5F115		T1		0-052	4-03	1-03	4-03	1-03			0-052			
5		5F245		T1		0-052	1-03	2-022	1-03	2-022			0-052			
5		5F246		T12		0-052	2-022						0-052			
5		5F247		T1		0-052	1-09	2-022	1-09	2-022			0-052			
5		5F280		3		0-04	2-032	0-04					1-072		1-072	2-032
5		5F288		3		0-04	1-07	0-04					1-012		1-012	1-092
4		4F222		17		1-06	1-09	1-06								

SIZE	EP	BAR MARK	V	BND TYP	CD	A	B	C	D	E	F/R	G	H	J	K	O
11	HRC	11F314		31		6-07	1-023	6-013					0-033		1-021	13-11
10	HRC	10F316		31		6-00	1-02	6-092					0-032		1-012	13-11
8	HRC	8F318		31		4-01	1-001	8-10								



FOUNDATION THRU LEVEL-03 SHEAR WALL KEY PLAN 
 (REF: S201, S202, S203 & S310)

- REFERENCES:**
- REFER RSW01 FOR SHEAR WALL KEY PLAN DETAILS
 - REFER RSW01A FOR SW-1 & SW-2 REINFORCEMENT DETAILS
 - REFER RSW01B FOR SW-3 REINFORCEMENT DETAILS
 - REFER RSW01C FOR SW-4 VERTICAL REINFORCEMENT DETAILS
 - REFER RSW01D FOR SW-4 HORIZONTAL & COUPLING BEAM REINFORCEMENT DETAILS
 - REFER RSW01E FOR SW-5 & SW-7 REINFORCEMENT DETAILS
 - REFER RSW01F FOR SW-6 REINFORCEMENT DETAILS
 - REFER RSW01G FOR SW-8, SW-9 & SW-10 REINFORCEMENT DETAILS
 - REFER RSW01H FOR BAR BENDING SCHEDULE DETAILS

COVER
 SHEAR WALL
 TOP = 1 1/2"
 AROUND OPENING = 2"
 INNER FACE = 1 1/2"
 OUTER FACE = 1 1/2"
 TIES SIDES = 1 1/2"

- ABBREVIATIONS**
- ADD'L = ADDITIONAL
 - B = BOTTOM
 - CONT = CONTINUOUS
 - DIAG = DIAGONAL
 - DWLS = DOWELS
 - EF = EACH FACE
 - EL = ELEVATION
 - EW = EACH WAY
 - H = HORIZONTAL
 - IF = INNER FACE
 - OF = OUTER FACE
 - REF = REFERENCES
 - REINF = REINFORCEMENT
 - STPS = STIRRUPS
 - SF = SIDE FACE
 - T = TOP
 - TYP = TYPICAL
 - V = VERTICAL
 - WS = WALL SPREADER

ALL REINFORCING BARS CONFORM TO
 ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE

**FILE &
 FIELD USE**