© Copyright protected. See Design Agreement. For use on this project only. Unauthorized reproduction of any part of this material is prohibited.

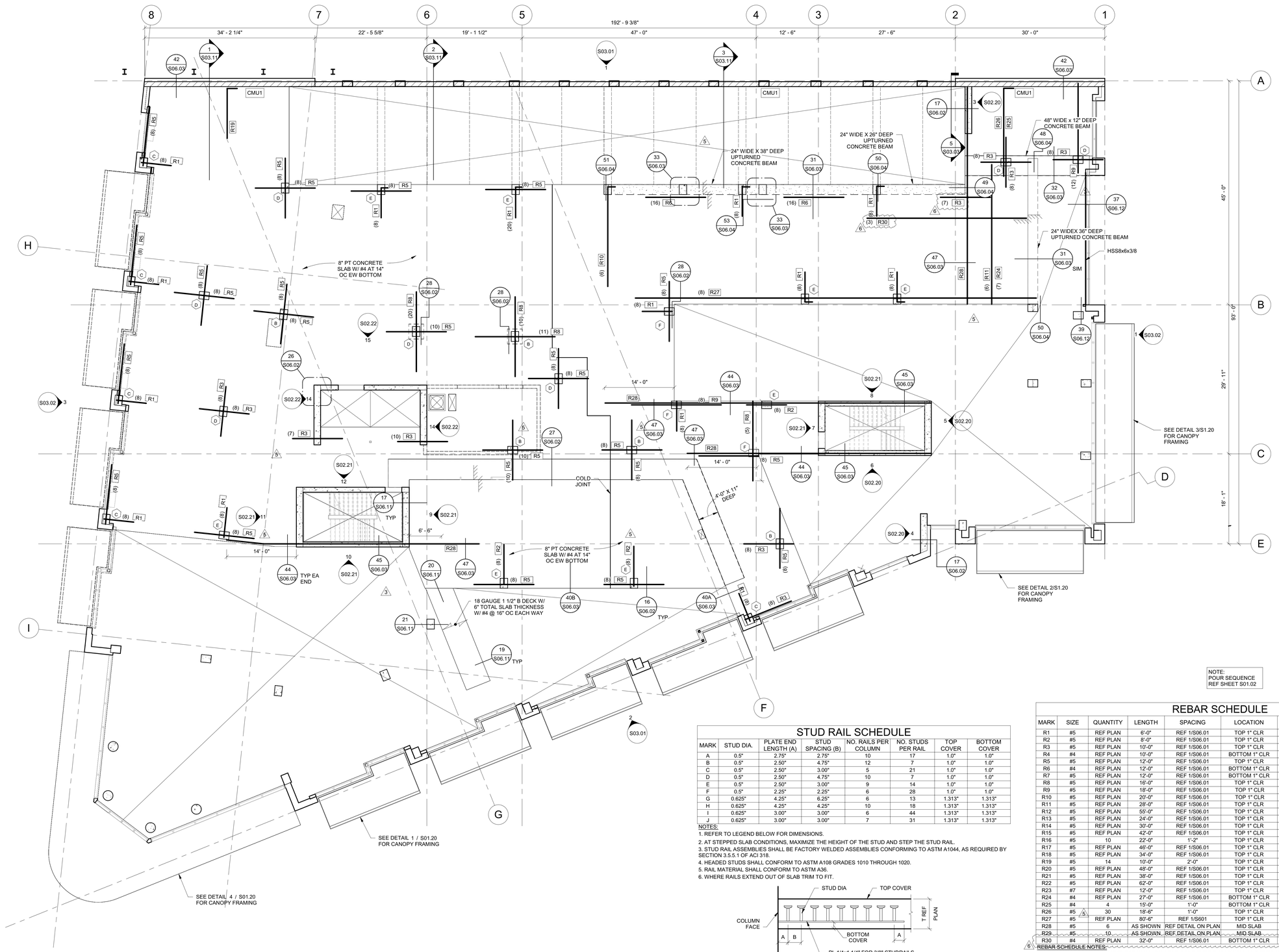
CONCRETE AND CMU WALL SCHEDULE

MARK	SIZE	TYPE	VERT REINF	HORIZ REINF	END COND	COMMENTS
CMU1	12"	CMU f'm = 2,000 PSI	(2) #5 @ 24" OC REF 15A/S04.01	(2) #4 @ 48" OC	#4 HAIRPIN	RUNNING BOND
CMU2	8"	NON-BEARING CMU f'm = 1,500 PSI	#5 @ 24" OC CENTERED	(2) #4 @ 48" OC	NOT REQ'D	RUNNING BOND, REF 46/S06.03 FOR TOP CONNECTION
CW1	12"	CONCRETE RETAINING WALL	#7 @ 6" OC OUTSIDE FACE #6 @ 6" OC INSIDE FACE	#5 @ 12" OC EACH FACE	N/A	
CW2	18"	CONCRETE RETAINING WALL	#7 @ 6" OC OUTSIDE FACE #6 @ 6" OC INSIDE FACE	#5 @ 12" OC EACH FACE	N/A	

NOTES:
1. AT LOCATIONS WITH PILASTERS AT THE END OF THE SHEAR WALL, THE LARGER OF PILASTER AND END REINFORCEMENT SHALL CONTROL AS THE END REINFORCEMENT.
2. AT CORNERS OF INTERSECTING WALLS, THE LARGER REINFORCEMENT SHALL GOVERN.
3. HORIZONTAL REINFORCEMENT SHALL BE HOOKED AROUND END REINFORCEMENT W/ STANDARD 180 DEGREE HOOKS

PT CONCRETE PLAN NOTES

A FOR A COMPLETE LEGEND OF ALL CALLOUTS AND SYMBOLS REFERENCE COVER SHEET AND SCHEDULES.
B FOR PENETRATIONS THROUGH THE PT CONCRETE SLAB REFERENCE THE FOLLOWING DETAILS: 21-24/S06.02 FOR OPENINGS, & 16/S06.02 FOR OPENINGS WITHIN 42" OF A COLUMN FACE.
C CONTRACTOR TO PROVIDE SLAB POUR SEQUENCE FOR REVIEW.
D REFERENCE ARCHITECTURAL SLAB PLANS FOR SLAB STEPS, SLOPES, AND ELEVATIONS.
E VERIFY PENETRATION LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL PLANS.



NOTE:
POUR SEQUENCE
REF SHEET S01.02

STUD RAIL SCHEDULE

MARK	STUD DIA.	PLATE END LENGTH (A)	STUD SPACING (B)	NO. RAILS PER COLUMN	NO. STUDS PER RAIL	TOP COVER	BOTTOM COVER
A	0.5"	2.75"	2.75"	10	17	1.0"	1.0"
B	0.5"	2.50"	4.75"	12	7	1.0"	1.0"
C	0.5"	2.50"	3.00"	5	21	1.0"	1.0"
D	0.5"	2.50"	4.75"	10	7	1.0"	1.0"
E	0.5"	2.50"	3.00"	9	14	1.0"	1.0"
F	0.5"	2.25"	2.25"	6	28	1.0"	1.0"
G	0.625"	4.25"	6.25"	6	13	1.313"	1.313"
H	0.625"	4.25"	4.25"	10	18	1.313"	1.313"
I	0.625"	3.00"	3.00"	6	44	1.313"	1.313"
J	0.625"	3.00"	3.00"	7	31	1.313"	1.313"

NOTES:
1. REFER TO LEGEND BELOW FOR DIMENSIONS.
2. AT STEPPED SLAB CONDITIONS, MAXIMIZE THE HEIGHT OF THE STUD AND STEP THE STUD RAIL.
3. STUD RAIL ASSEMBLIES SHALL BE FACTORY WELDED ASSEMBLIES CONFORMING TO ASTM A1044, AS REQUIRED BY SECTION 3.5.5.1 OF ACI 318.
4. HEADED STUDS SHALL CONFORM TO ASTM A108 GRADES 1010 THROUGH 1020.
5. RAIL MATERIAL SHALL CONFORM TO ASTM A36.
6. WHERE RAILS EXTEND OUT OF SLAB TRIM TO FIT.

TYPICAL STUDRAIL

REBAR SCHEDULE

MARK	SIZE	QUANTITY	LENGTH	SPACING	LOCATION	NOTES
R1	#5	REF PLAN	6'-0"	REF 1/S06.01	TOP 1" CLR	
R2	#5	REF PLAN	8'-0"	REF 1/S06.01	TOP 1" CLR	
R3	#5	REF PLAN	10'-0"	REF 1/S06.01	TOP 1" CLR	
R4	#4	REF PLAN	10'-0"	REF 1/S06.01	BOTTOM 1" CLR	
R5	#5	REF PLAN	12'-0"	REF 1/S06.01	TOP 1" CLR	
R6	#4	REF PLAN	12'-0"	REF 1/S06.01	BOTTOM 1" CLR	
R7	#5	REF PLAN	12'-0"	REF 1/S06.01	BOTTOM 1" CLR	
R8	#5	REF PLAN	16'-0"	REF 1/S06.01	TOP 1" CLR	
R9	#5	REF PLAN	18'-0"	REF 1/S06.01	TOP 1" CLR	
R10	#5	REF PLAN	20'-0"	REF 1/S06.01	TOP 1" CLR	
R11	#5	REF PLAN	28'-0"	REF 1/S06.01	TOP 1" CLR	
R12	#5	REF PLAN	55'-0"	REF 1/S06.01	TOP 1" CLR	
R13	#5	REF PLAN	24'-0"	REF 1/S06.01	TOP 1" CLR	
R14	#5	REF PLAN	30'-0"	REF 1/S06.01	TOP 1" CLR	
R15	#5	REF PLAN	42'-0"	REF 1/S06.01	TOP 1" CLR	
R16	#5	10	22'-0"	1'-2"	TOP 1" CLR	
R17	#5	REF PLAN	46'-0"	REF 1/S06.01	TOP 1" CLR	
R18	#5	REF PLAN	34'-0"	REF 1/S06.01	TOP 1" CLR	
R19	#5	14	10'-0"	2'-0"	TOP 1" CLR	
R20	#5	REF PLAN	48'-0"	REF 1/S06.01	TOP 1" CLR	
R21	#5	REF PLAN	38'-0"	REF 1/S06.01	TOP 1" CLR	
R22	#5	REF PLAN	62'-0"	REF 1/S06.01	TOP 1" CLR	
R23	#7	REF PLAN	12'-0"	REF 1/S06.01	TOP 1" CLR	
R24	#4	REF PLAN	27'-0"	REF 1/S06.01	BOTTOM 1" CLR	
R25	#4	4	15'-0"	1'-0"	BOTTOM 1" CLR	
R26	#5	30	18'-6"	1'-0"	TOP 1" CLR	
R27	#5	REF PLAN	80'-6"	REF 1/S601	TOP 1" CLR	
R28	#5	6	AS SHOWN	REF DETAIL ON PLAN	MID SLAB	
R29	#5	10	AS SHOWN	REF DETAIL ON PLAN	MID SLAB	
R30	#4	REF PLAN	32'-0"	REF 1/S06.01	BOTTOM 1" CLR	

REBAR SCHEDULE NOTES:
1. ALIGN AND CENTER ON THE SHEAR WALL. RUN BAR CONT OVER SHEARWALL AND EXTEND REBAR 20'-0" OUT BEYOND END OF WALL UNLESS NOTED OTHERWISE ON PLANS. STAGGER LAPS OF ADJACENT REBAR. REFERENCE LAP SPLICE SCHEDULE ON GENERAL STRUCTURAL NOTES FOR REBAR SPLICE INFO.
2. IN ADDITION TO STANDARD BOTTOM REINFORCEMENT.
3. CENTER ON COLUMN. PROVIDE STD 90 DEGREE HOOKS AT SLAB EDGES.
4. REFERENCE DETAIL 1/S06.01 FOR COLUMN TOP BAR SPACING REQUIREMENTS.
5. EQUAL NUMBER OF BARS AT TOP AND BOTTOM OF SLAB.

1 / S01.02R Rebar Floor Plan - LEVEL 2
1/8" = 1'-0"

City Of Portland
REVIEWED FOR CODE COMPLIANCE
Date: 02/11/20
Project: 19-105743-REV-01-CO

SERA

ARCHITECTURE
URBAN DESIGN + PLANNING
INTERIOR DESIGN

PORTLAND OREGON 97209
P: 503.445.7372
F: 503.445.7395
SERADESIGN.COM

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 51411PE OREGON SEPT. 22, 1989 TIMOTHY T. TERICH EXPIRES 6-30-20

FROELICH ENGINEERS
17700 SW Upper Boones Ferry Rd. Suite #115
Portland, Oregon 97223
503.624.7005
froelich-engineers.com
18-T066

18S
GREYSTAR
1715 SW Salmon St
Portland, OR 97205

REVISIONS

1	ADDENDUM 1	5/3/2019
2	ADDENDUM 2	5/9/2019
A	PERMIT RESPONSE 1	6/03/2019
B	PERMIT RESPONSE 2	7/26/2019
3	AB 01	9/27/2019
5	AB 04	12/11/2019
6	AB 06	01/07/2020

CHECKED BY: Checker
ISSUE DATE: 27 SEP 2019
PROJECT NO: 1803002

REBAR FLOOR PLAN LEVEL 2

S01.02R

Construction Set

SERA Design and Architecture, Inc.
1/7/2020 3:27:52 PM