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ADDENDUM NO. 1

Date: August 22, 2025
Project: **Phase 2: Foundation Installation (Multipurpose Laboratory Building)**
Job No.: 24600-01

To: All Planholders and Prospective Bidders

The following changes and/or clarifications are hereby made to the Contract Documents and shall become a part of the Contract Documents dated August 2025.

1. **Volume 2 – Statement of Experience of Bidder**
 - a. Add to the types of projects in Section B. Company Experience the following:
 2. *Structural concrete foundations for buildings and relevant types of structures.*
2. **Volume 3 – Technical Specifications:**
 - a. Remove Section 05 12 00 Structural Steel Framing; it is not applicable in this project.
3. **Volume 4 – Drawings:**
 - a. Structural Sheets S2.00F, S3.01, S3.02, S3.03, S4.01, S4.02, and S4.03 have been revised to include dimensional and graphic clarifications as well as dowel sizing and spacing (see Attachment A).

Questions Received from Proposers/Bidders:

*The following questions were submitted on or before 8/22/2025. Questions that are received after the bid questions deadline may not be answered in addendum. LGVSD responses to the questions are **in bold**.*

- Q1. Is there a Geotech Report?
Response: Included in Volume 2, Appendix F - Geotechnical Report for Multipurpose Laboratory Building prepared by Miller Pacific Engineering Group, dated 12/31/2024.
- Q2. Is Structural Steel in scope?
Response: No structural steel in Phase 2 scope. See Item 2 above.
- Q3. Does rebar need to be epoxy coated?
Response: Epoxy coated rebar is not required.
- Q4. Can spoils and base rock be deposited on site?
Response:
 - a. **Spoils consisting of native soil, aggregate base, gravel, or base rock shall be deposited according to the haul route and stockpile area shown in Volume 2, Appendix G.**
 - b. **Imported base rock, as may be needed for soil stabilization, may be stockpiled on site under the District Representative's direction for a limited period, on a case-by-case basis, provided it is coordinated with the contractor for the Phase 1 project.**
 - c. **Excess imported base rock shall be stockpiled per Volume 2, Appendix G.**

- d. **Organic materials such as peat, muck, and any deleterious materials shall be separated from excavated soils deemed suitable for reuse, and then disposed of off-site at an approved landfill site.**
- e. **The stockpile area is adjacent to private property and the District's designated biosolids disposal area. In addition to the pollution prevention measures outlined in Drawing Sheet C10.02, stockpiled materials shall be tarped during storm events to prevent potential contamination of surrounding areas.**
- f. **See Erosion Control Notes on Drawing Sheet C10.01 for Best Management Practices (BMPs) and other requirements. As noted, all erosion control measures shall be in place by October 15, 2025.**

Q5. Can temporary water and sediment tanks be discharged on site?

Response:

- a. **Groundwater elevations during geotechnical investigation conducted on 11/7/2024 (dry season) are shown in Appendix F - Geotechnical Report.**
- b. **The boring logs do not indicate groundwater elevation expected during the rainy season. Given the project's proximity to Miller Creek, particularly during the rainy season, the Contractor shall assume that groundwater will be encountered in any excavation.**
- c. **For bidding purposes, groundwater elevation shall be assumed to be at the existing ground elevation, and an allowance for dewatering shall be included in Bid Item 5.**
- d. **At a minimum, groundwater must first be discharged into a Baker tank for sediment separation before being discharged into a manhole at the plant to be designated by a District Representative.**

Q6. Will excavated soil require testing?

Response: No. Refer to General Conditions Section 5.1 for other requirements.

Q7. Should the spoils and base rock to be stored on site be leveled out?

Response:

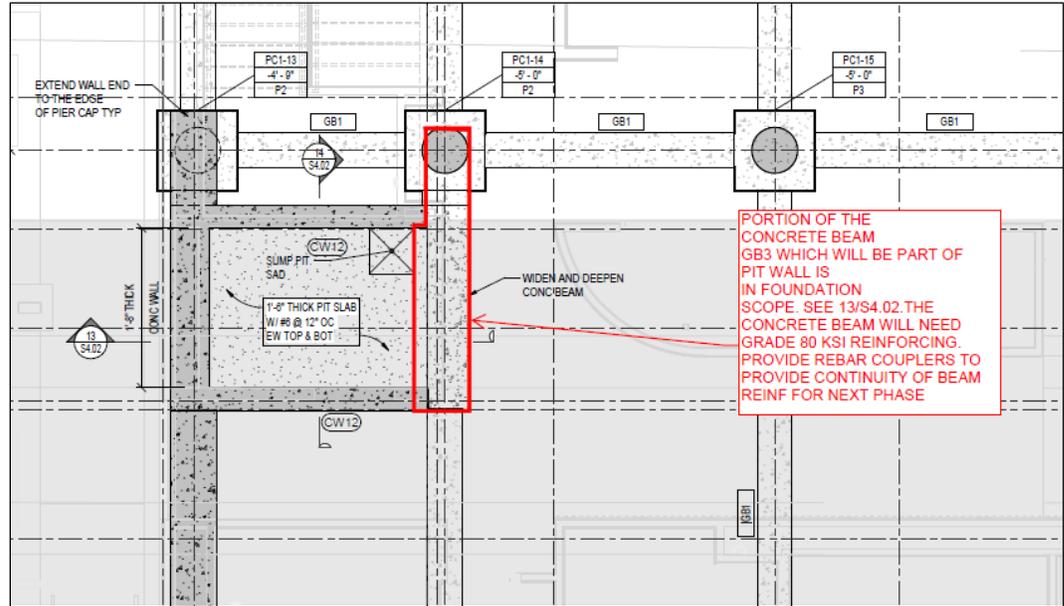
- a. **Spoils, excess base rock, and sediments stored per Volume 2, Appendix G shall be graded such that the top of the stockpile is roughly level.**
- b. **See response to Q4 for erosion control and pollution prevention requirements.**

Q8. What is the operating weight limit and time criteria for equipment over the underground Chlorine Contact Chambers?

Response:

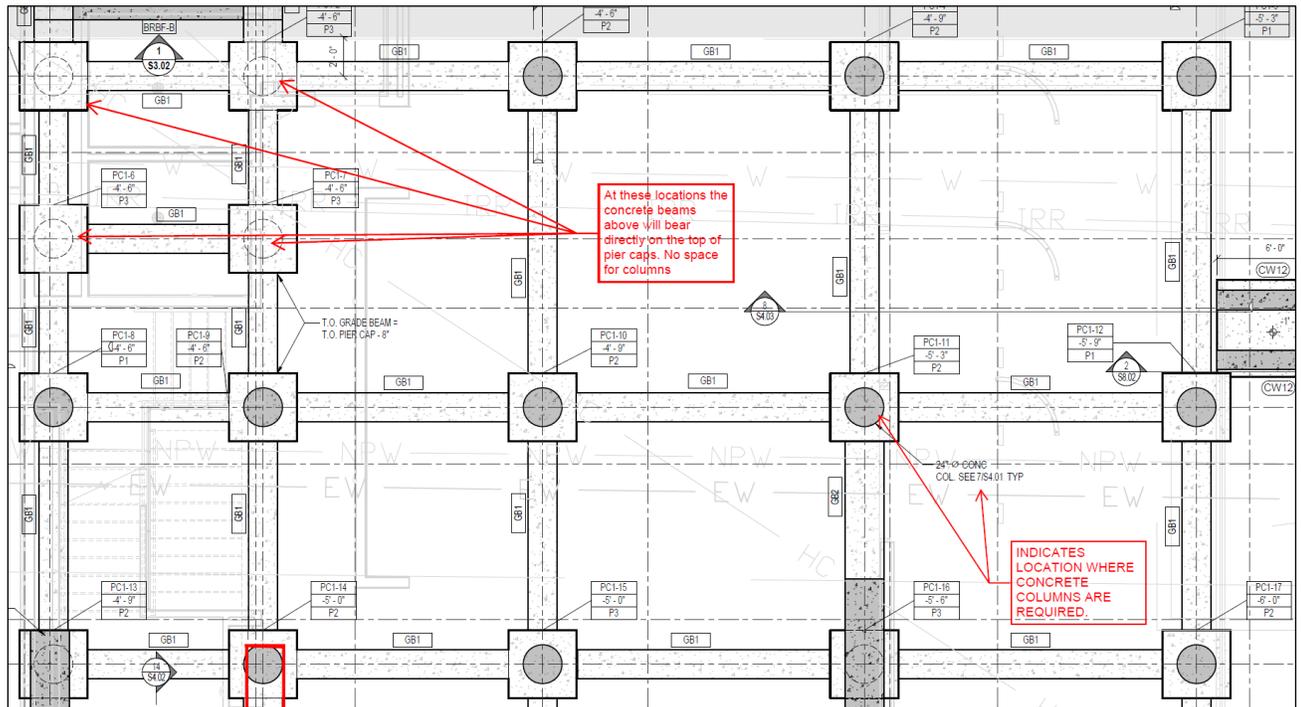
- a. **Because of the proximity of the drilled piers to the existing 60-in diameter HDPE Chlorine Contact Chambers, Contractor shall use the smallest drill rig (CZM LR40 or equivalent) capable of installing the 24-in diameter drilled piers.**
- b. **The drill rig shall be equipped with outriggers with hydraulic leveling jacks to ensure an even distribution of weight to maintain stability during drilling operations.**
- c. **For the equipment track and outriggers, Contractor shall install appropriately sized heavy-duty road plates over a densified layer of compacted aggregate base to distribute the load over a wider area and minimize the point pressure on the Chlorine Contact Chambers.**
- d. **Contractor shall submit load calculations over the existing Chlorine Contact Chambers indicating road plate dimensions, depth of compacted aggregate, and any other relevant information to the District for review prior to start of construction.**

- e. For loading calculations, see Attachment B for load distribution chart for applied surface loads provided by the Project geotechnical engineer. For track-mounted equipment, use the infinitely long footing chart (figure a.). For wheel loads, use the square footing chart (figure b.). Assume that “B” is the width of the track or wheel and “P” is the applied surface load.
- Q9. How to determine location and depth of underground Chlorine Contact Chambers?
Response: Bidders shall include in their bid an allowance for potholing in Bid Item 5 to determine:
- Centerline of EW pipe – minimum (2) locations.
 - North and South edge of southern Chlorine Contact Chamber – minimum (2) locations per side.
 - South edge of northern Chlorine Contact Chamber – minimum (2) locations per side.
 - Top of Existing 60” Water Storage and Chlorine Contact Chambers – minimum (2) locations.
- Q10. When will the Phase 1 contractor be clear of the Phase 2 foundation work?
Response: The District’s goal is to coordinate with the Phase 1 contractor to finish all work within the Phase 2 boundary prior to issuing a Notice to Proceed for Phase 2. However, for bidding purposes, Bidders shall include in Bid Item 5 an allowance for coordinating concurrent Phase 2 activities as shown in the plans. The drawings for the Phase 1 Plant Utilities Relocation project are available at <https://www.lgvsd.org/current-construction-projects>.
- Q11. Please clarify temporary construction fence requirements.
Response: See Civil sheet C10.00 and A2.01F for temporary construction fence and acoustical barrier requirements. Provide standard 8 ft tall construction fence.
- Q12. I cannot find any locations or details for Structural Steel and/or Buckling Restrained Brace Frame. Please advise if this work is part of Phase 2 scope. If part of PH 2, please provide where this work is located and provide details for construction.
Response: Structural steel and/or Buckling Restrained Brace Frame are not included in this project. See Item 2 above.
- Q13. Rebar. It appears the rebar in PH2 is standard grade 60. Concrete note #4 on S0.01 mentions 80 ksi rebar for concrete beams at suspended slab. I don’t see those beams depicted in the PH2 scope. Is 80 ksi rebar required in PH2? If so please provide all of the locations of these beams.
Response:
- All foundation elements (piers, grade beams, pier caps) require 60 ksi rebar except for the concrete beam for the elevator pit tagged as GB3 shown in red markups below, which requires 80 ksi rebar.
 - See note in red below from the Project structural engineer regarding installation of rebar couplers to provide continuity of beam reinforcing for the Phase 3 project.
 - Except for GB3, all concrete beams designated as GB# and suspended slab are not part of this contract and will be included in the upcoming Phase 3 project.



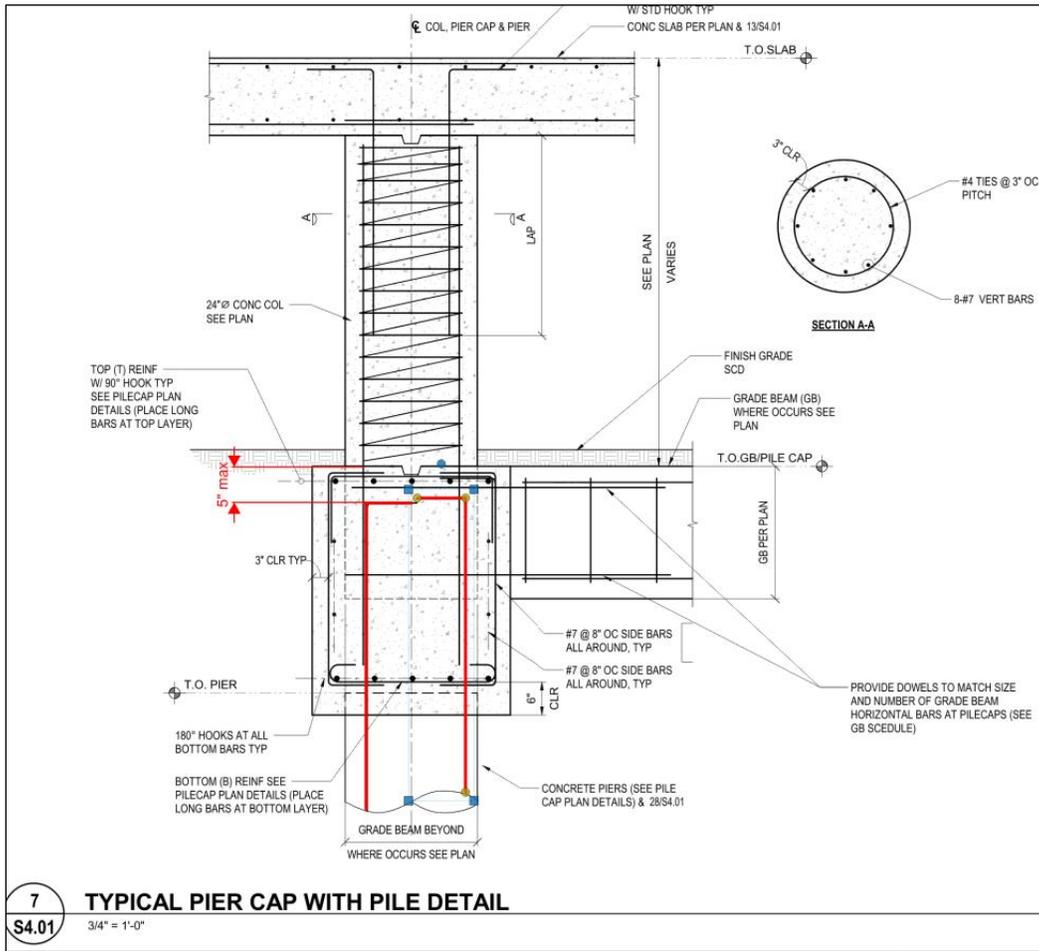
Q14. What pier caps will have Piles on top, per detail 7/S4.01?

Response: See red markups below from the Project structural engineer for partial location of concrete columns on top of the pier caps. See Drawing Sheet S2.00F for the Foundation Plan.



Q15. How far is dowel required to protrude into the upper pier in detail 7/S4.01?

Response: The drilled pier vertical reinforcing shall extend all the way to the top of the pier cap at a maximum of 5" below the top of the pier cap as shown in red markup below from the Project structural engineer. The column dowels shall match the size and spacing of column vertical reinforcing and extend down to the pier cap at least 42".



Q16. What are the approximate depths of existing utilities and the 60" water storage and chlorine contact chambers that will need potholing prior to drilling?
Response: See response to Q9 above for potholing requirements for the top of existing 60" Water Storage and Chlorine Contact Chambers

Q17. Plan Sheet S2.00F: At A-line, two cuts reference pages S8.01 and S8.02. No such pages exist. Please provide.
Response: Disregard drawing reference callout; Sections are for the upcoming Phase 3 project.

Q18. Plan Sheet S2.00F: At G-line, there is an elevation on page S3.06. No such page exists. Please provide.
Response: Disregard drawing callout. Elevation is for scope above pier cap at first and second floor.

Q19. Notice Inviting Bids: Considering the scope of work, please change licensing requirements to C-8 Concrete.
Response: A C-8 Concrete contractor license is not acceptable. The project requires a Class A General Engineering California contractor's license.

- Q20. Plan Sheet C3.00: In the NE of the site, at the lower existing Chlorine Contact, there is one bollard shown as being removed, while the balance of the remaining (12) bollards are remaining. Please confirm this is correct.
Response: Bollard at the NE Chlorine Contact Chamber noted as "1" is to remain in place; do not remove. Project includes removal of (8) total bollards at South Chlorine Contact Chamber.
- Q21. Plan Sheet C3.00: Please show extents of cut, cap, and utility removal by hatching the existing utility lines.
Response: All active utility lines will be cut and capped under a separate contract as part of the Phase 1 project. Sections of abandoned lines will remain. See Demolition Note #3.
- Q22. Plan Sheet C3.00: Per note 4, please specify hardscape to be removed. None shown on plan.
Response: Disregard Demolition Note #4; there is no hardscape within the limit of demolition.
- Q23. Plan Sheet C5.00: Per note 1, please show extents of desired grading so that this scope can be quantified.
Response: Site is not being graded to new elevations. Contractor to smoothen the existing ground surface around excavated areas at grade beams and pier caps. Pier caps and grade beams with exposed dowels shall remain free of dirt and debris.
- Q24. Plan Sheet S2.00F: Per note 9, please confirm the maximum weight of the equipment that can pass over the existing tanks.
Response: See response to Q8 above.
- Q25. Statement of Experience of Bidder, B. 1.: Can the requirement that the bidder has completed \$5m worth of work at (5) wastewater treatment plant projects in the past five years be amended to include structural concrete foundation projects of any type and not purely wastewater? As this phase of the project is comprised of just the foundation for the building, it would seem more relevant that the bidder has completed sufficient concrete foundation experience, be it at a wastewater plant or otherwise.
Response: See Item 1 above.

This addendum consists of sixteen (16) pages including this page and all attachments and coversheets. Acknowledge receipt of this addendum in the space provided on page 95 of 516, Proposal Cover Page and Bid Schedule, of the Bid Forms, and by signing in the space provided below. Submit an original copy of this addendum cover page along with the bid. Failure to do so may disqualify the bidder.

Las Gallinas Valley Sanitary District:

Bidder: _____



Michael P. Cortez, PE, District Engineer

(Authorized Signature)

(Date)

Attachment A

Updated Design Drawings

1. Sheet S2.00F – FOUNDATION PLAN (Revised)
2. Sheet S3.01 – COREBRACE BRACE FRAME ELEVATIONS (Revised)
3. Sheet S3.02 – COREBRACE BRACE FRAME ELEVATIONS (Revised)
4. Sheet S3.03 – COREBRACE BRACE FRAME ELEVATIONS (Revised)
5. Sheet S4.01 – TYPICAL FOUNDATION DETAILS (Revised)
6. Sheet S4.02 – FOUNDATION SECTIONS (Revised)
7. Sheet S4.03 – FOUNDATION SECTIONS (Revised)



APPROVALS



STRUCTURAL ENGINEERS

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ida-se.com
IDA PROJECT: 24006

PROJECT TITLE
**LAS GALLINAS VALLEY
SANITARY DISTRICT
LGVSD -
MULTIPURPOSE
BUILDING**

300 SMITH RANCH RD. SAN
RAFAEL, CA 94903

FOUNDATION BID SET

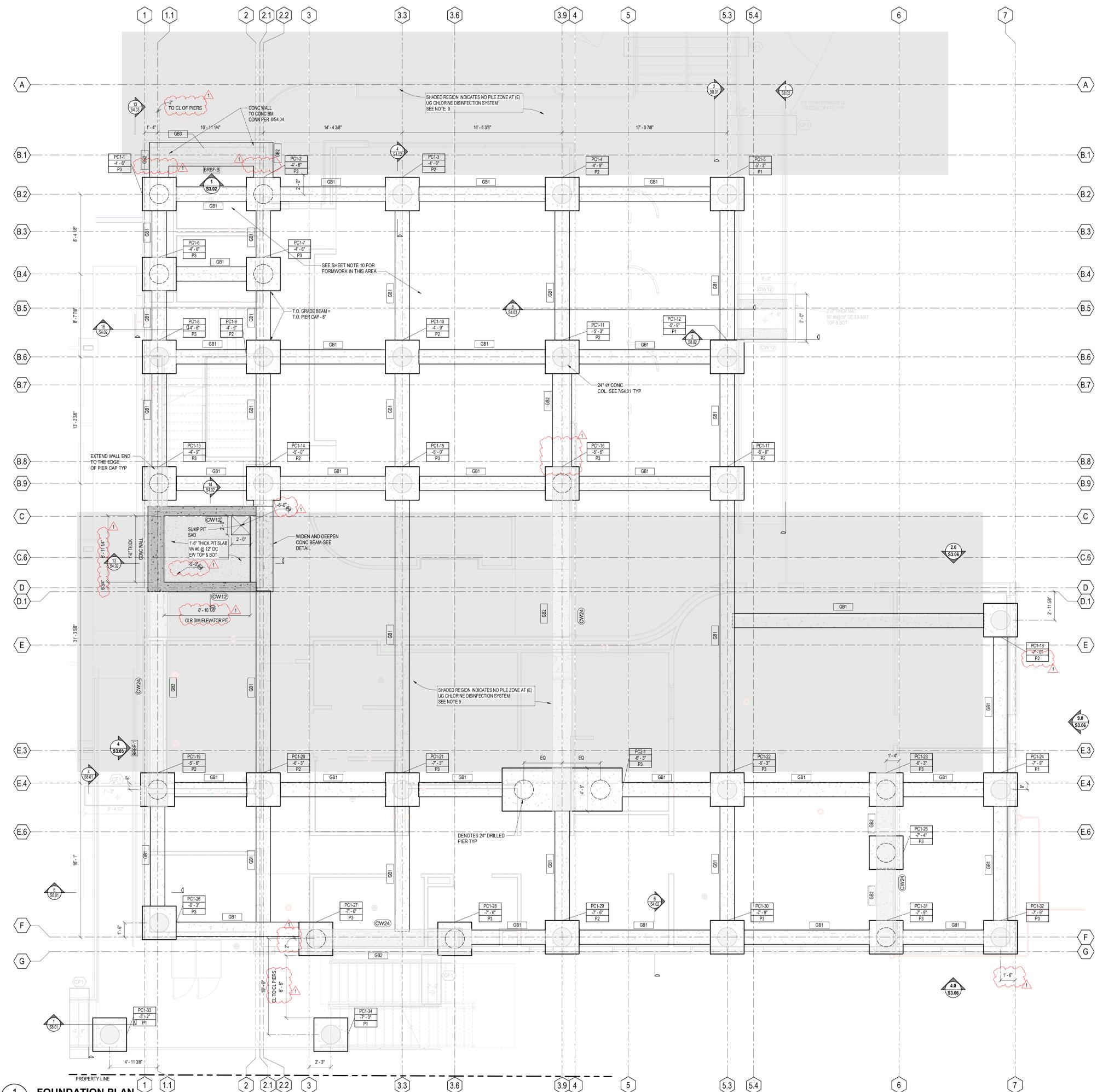
ISSUE DATE	07/16/2025
N&T JOB NUMBER	
REVISIONS	
1	08/21/2025 ADDENDUM 1

SHEET TITLE
FOUNDATION PLAN

SHEET NUMBER

S2.00F

- SHEET NOTES:**
1. SEE GENERAL NOTES ON SHEET S0.01 FOR INFO NOT SHOWN HERE.
 2. **GB#** DENOTES CONCRETE GRADE BEAM. SEE SCHEDULE 19S4.01
 3. **CW#** DENOTES CONCRETE WALL. SEE SCHEDULE 21S4.01
 4. **CB#** DENOTES CONCRETE BEAM. SEE SCHEDULE 19S4.04
 5. **CF#** DENOTES CONTINUOUS FOOTING 2'-0" WIDE X 2'-0" DEEP W/ #6 @ 10" OC CONT LONGITUDINAL REINF #6 STIRRUPS @ 10" OC.
 6. ALL TOP OF PILE CAP ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION = 0.00
 7. CIVIL ELEVATION 16'-0" IS EQUAL TO RELATIVE ELEVATION 0.00 AT TOP OF FIRST FLOOR FINISH.
 8. **PCI-#** DENOTES CONCRETE PIER CAP. SEE SCHEDULE 19S4.01
XXXX-XX INDICATES PIER TYPE AND TAG MARK
INDICATES TOP OF PIER CAP AND TOP OF GRADE BEAM
INDICATES PIER TYPE. SEE PIER SCHEDULE 11S4.01 FOR EMBEDMENT DEPTH IN ROCK.
 9. NO CONSTRUCTION EQUIPMENT SHALL BE POSITIONED ON TOP OF (E) CHLORINE DISINFECTION SYSTEM WHILE THE EQUIPMENT IS ENGAGED IN EXCAVATION OR DRILLING OPERATIONS. EQUIPMENT AND UNLOADED TRUCKS MAY TRANSVERSE OVER (E) SYSTEM EN ROUTE TO A POSITION WHERE SUCH OPERATIONS MAY BE UNDERTAKEN.
 10. FORMWORK FOR GRADE BEAMS, CONCRETE WALLS AND SLABS MAY REMAIN IN PLACE WHERE THE DISTANCE BETWEEN FINAL GRADE AND UNDERSIDE OF SLAB IS LESS THAN 30 INCHES. IN NO CASE SHALL FORMWORK BE LEFT IN PLACE WHERE IT WILL BE VISIBLE FROM THE EXTERIOR OF THE BUILDING, REGARDLESS OF CLEARANCE UNDER SLAB. CONTRACTOR MAY USE WOOD, METAL OR FOAM FORMWORK TO ACHIEVE THE REQUIRED OUTCOME.



1
S2.00F
FOUNDATION PLAN
1/4" = 1'-0"



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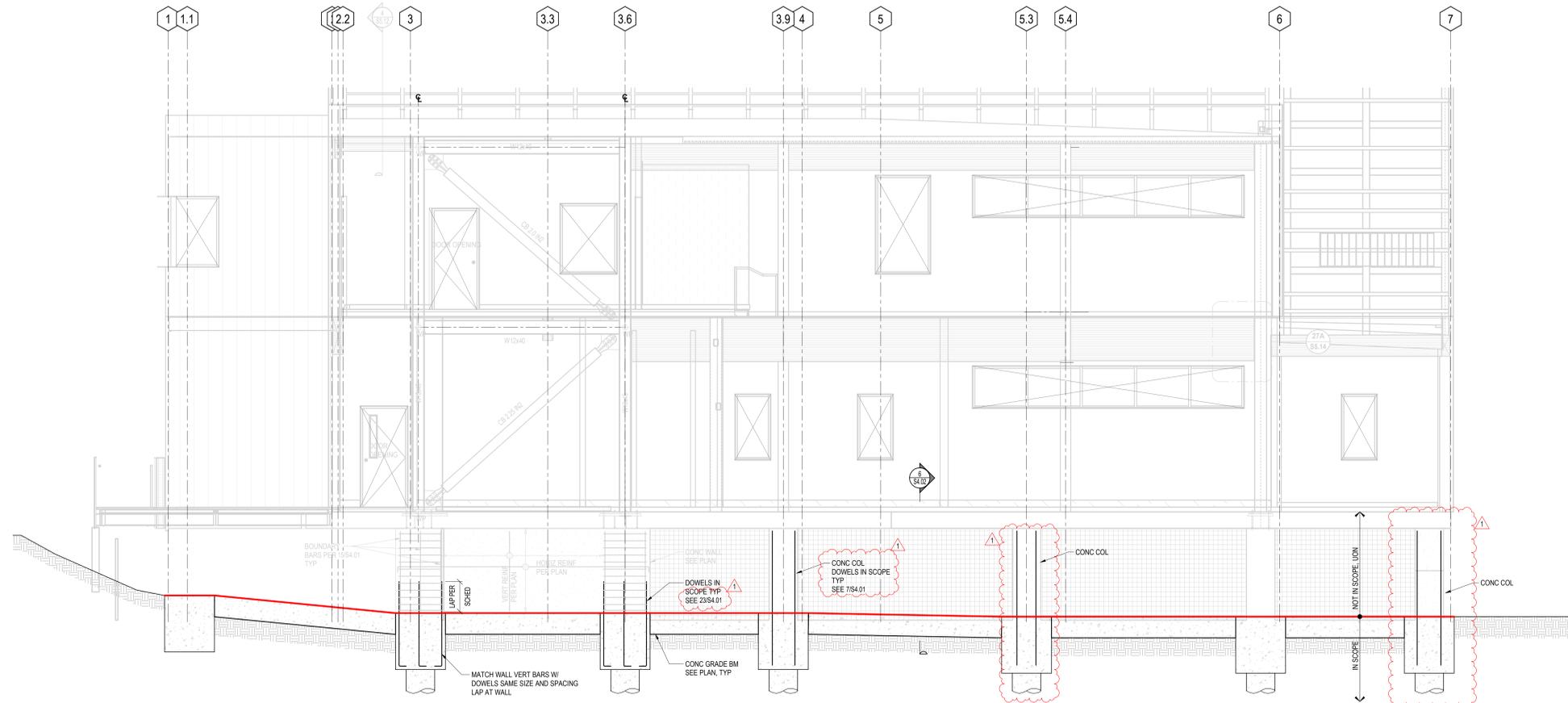
SHEET TITLE
**COREBRACE BRACE
FRAME ELEVATIONS**

SHEET NUMBER

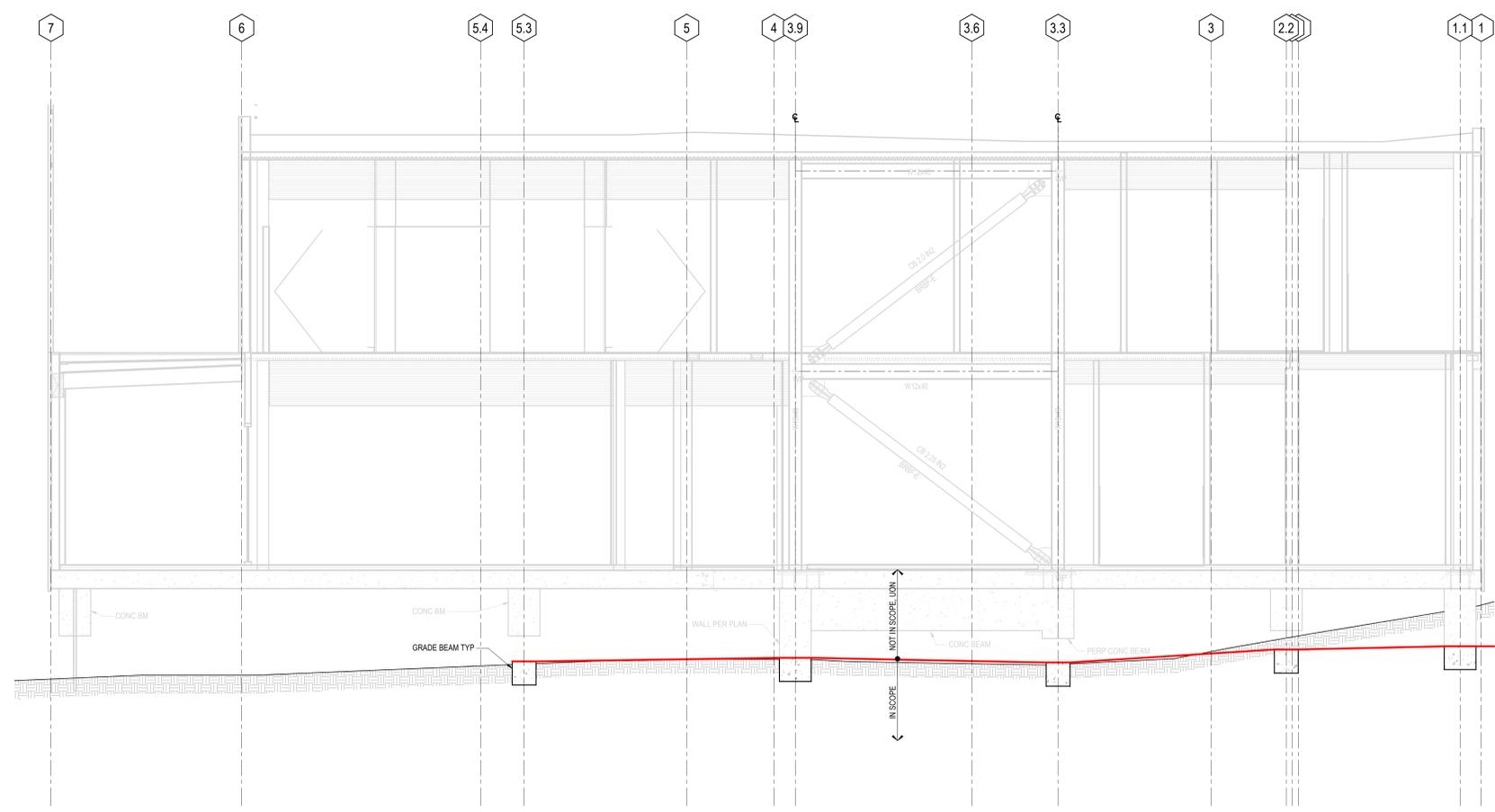
S3.01

BRBF ELEVATION NOTES

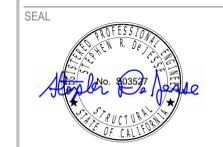
- BRBF-1 NOTES "BUCKLING RESTRAINED BRACED FRAME" NO. 1 ON PLANS. SEE PLAN FOR FRAME LOCATIONS.
- SHEET S7.02 FOR BRBF FRAME ELEVATIONS AND BRBF BRACE AND FRAME REQUIREMENTS.
- SEE BRBF SCHEDULE ON SHEET S7.01 FOR ALL BRBF BRACE, CONNECTION AND FRAME REQUIREMENTS.
- SEE S7.03 FOR COREBRACE STANDARD DETAILS, ANNOTATION, SYMBOLS AND REQUIREMENTS. ALL COREBRACE REQUIREMENTS MUST BE FOLLOWED.
- SEE S7.04 FOR BRBF COL BASE PLATE ANCHORAGE DETAIL.
- BEAM COLUMN JOINTS AND BRBF FRAME CONNECTIONS WELD SHALL BE DCW.



3 BRBF-G ELEVATION AT GRID G
1/4" = 1'-0"



2 BRBF-E ELEVATION AT GRID E
1/4" = 1'-0"



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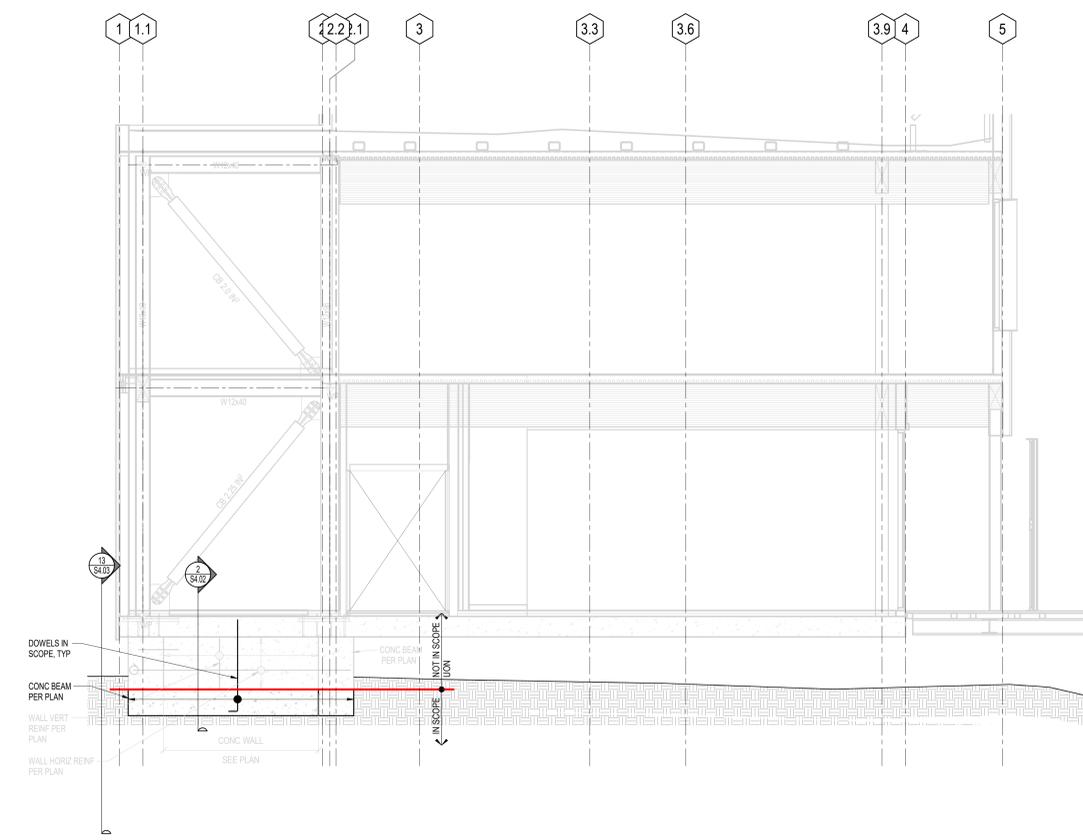
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1	08/21/2025 ADDENDUM 1

SHEET TITLE
**COREBRACE BRACE
FRAME ELEVATIONS**

SHEET NUMBER

S3.02

- BRBF ELEVATION NOTES**
- BRBF-1 NOTES 'BUCKLING RESTRAINED BRACED FRAME' NO. 1 ON PLANS. SEE PLAN FOR FRAME LOCATIONS.
 - SHEET S7.02 FOR BRBF FRAME ELEVATIONS AND BRBF BRACE AND FRAME REQUIREMENTS.
 - SEE BRBF SCHEDULE ON SHEET S7.01 FOR ALL BRBF BRACE, CONNECTION AND FRAME REQUIREMENTS.
 - SEE S7.03 FOR COREBRACE STANDARD DETAILS, ANNOTATION, SYMBOLS AND REQUIREMENTS. ALL COREBRACE REQUIREMENTS MUST BE FOLLOWED.
 - SEE S7.04 FOR BRBF COL BASE PLATE ANCHORAGE DETAIL.
 - BEAM COLUMN JOINTS AND BRBF FRAME CONNECTIONS WELD SHALL BE DOW.



1 BRBF-B ELEVATION AT GRID B
S3.02 1/4" = 1'-0"



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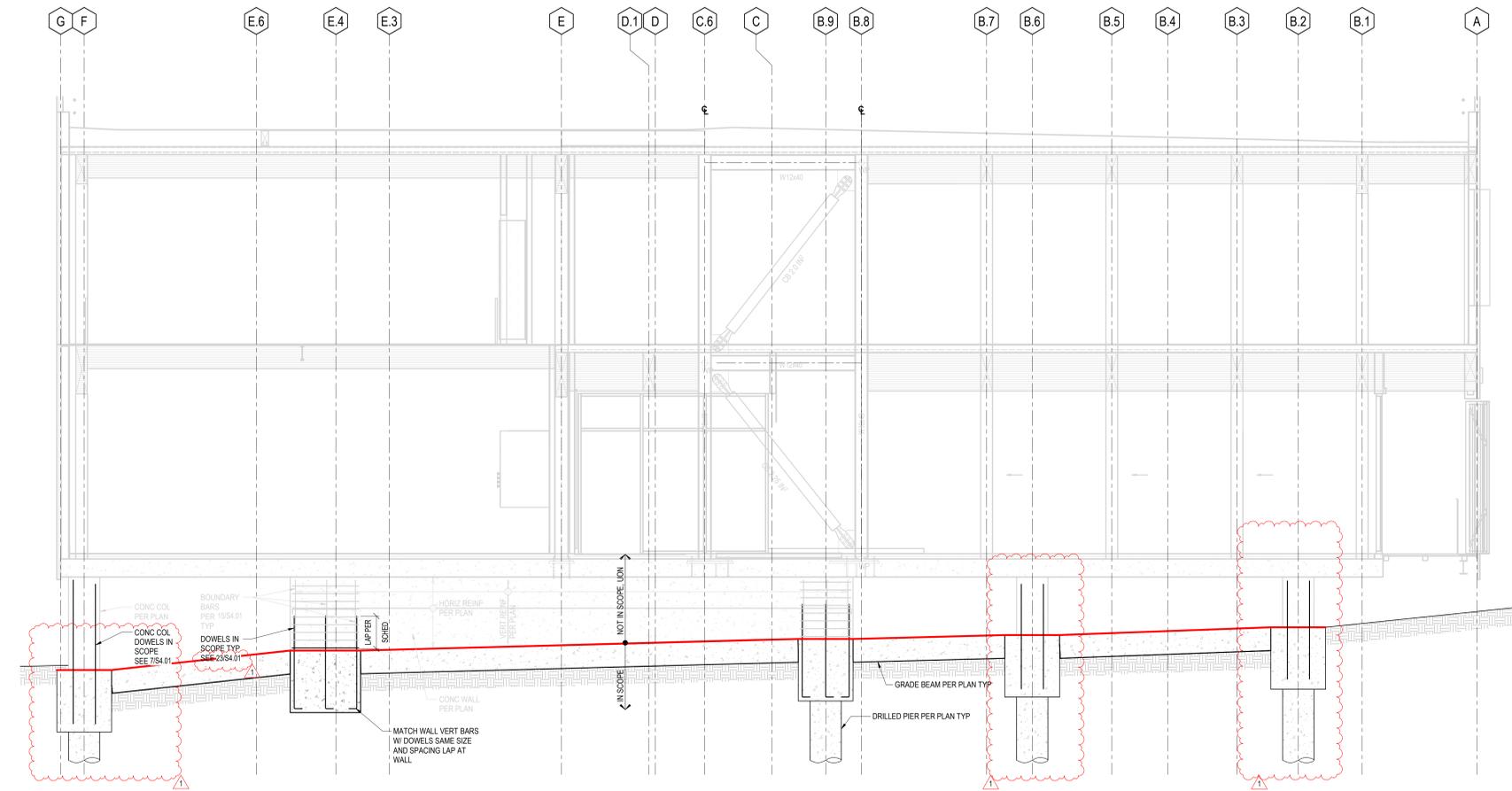
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SHEET TITLE
**COREBRACE BRACE
FRAME ELEVATIONS**

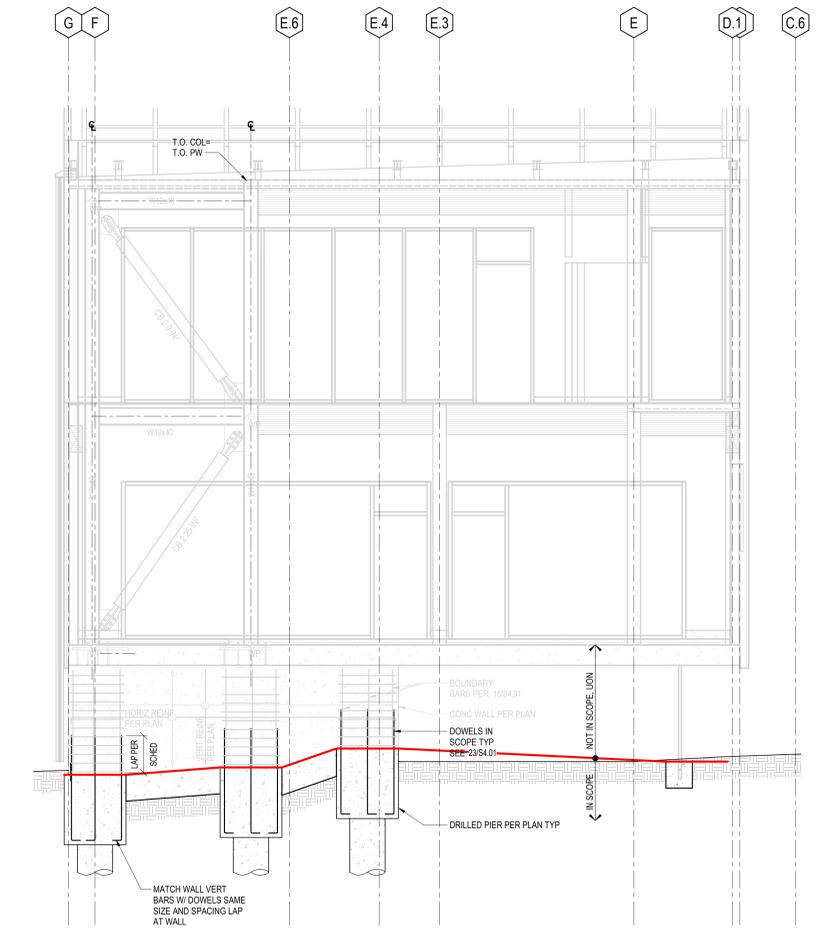
SHEET NUMBER

S3.03

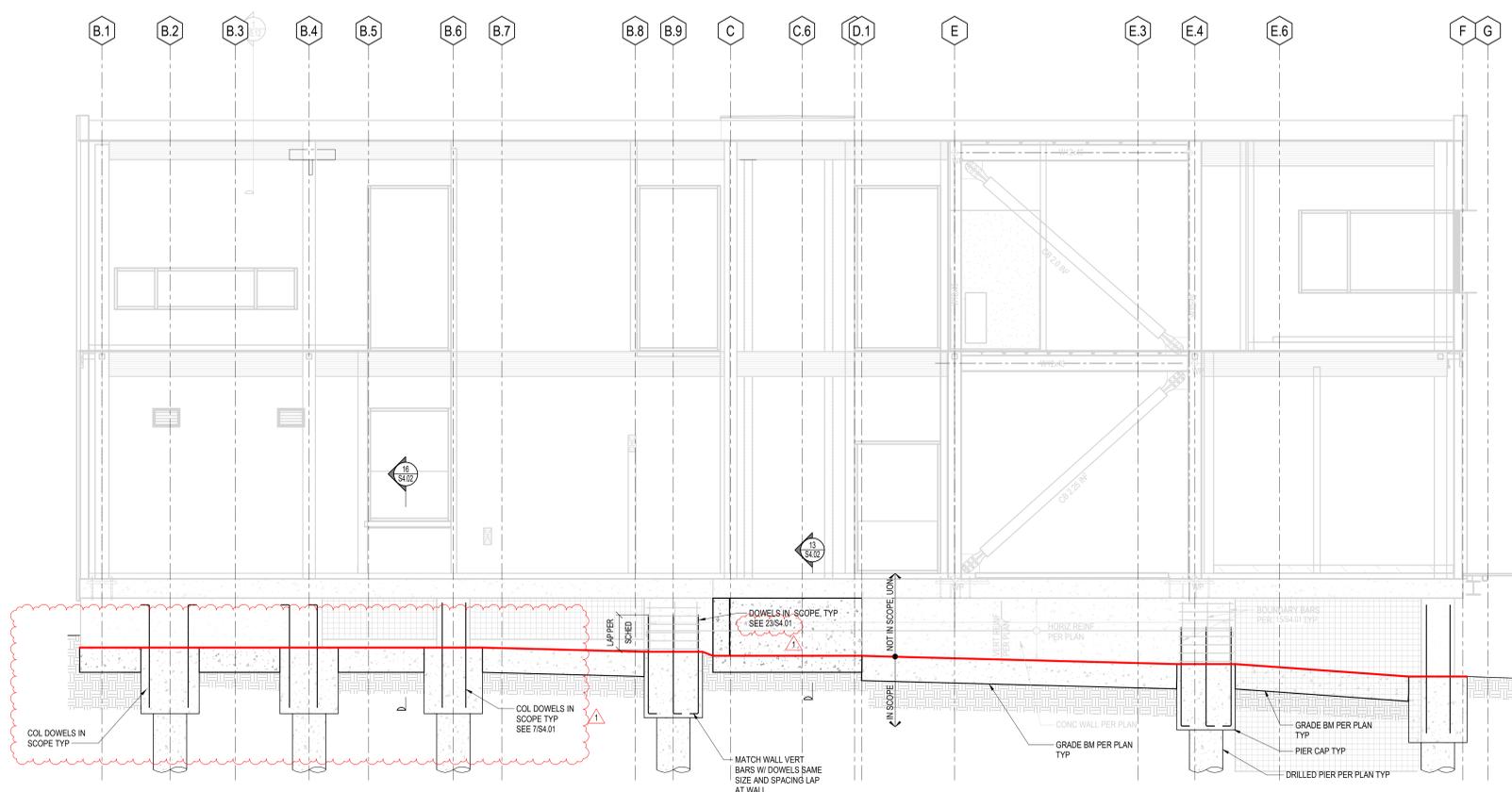
- BRBF ELEVATION NOTES**
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 - ALL COREBRACE REQUIREMENTS MUST BE FOLLOWED.
 - SEE S7.04 FOR BRBF COL BASE PLATE ANCHORAGE DETAIL.
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2 BRBF-4 ELEVATION AT GRID 3.9
S3.03 1/4" = 1'-0"



3 BRBF-6 ELEVATION AT GRID 6
S3.03 1/4" = 1'-0"



4 BRBF-1 ELEVATION AT GRID 1.1
S3.03 1/4" = 1'-0"



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ISSUE DATE 07/18/2025

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REVISIONS

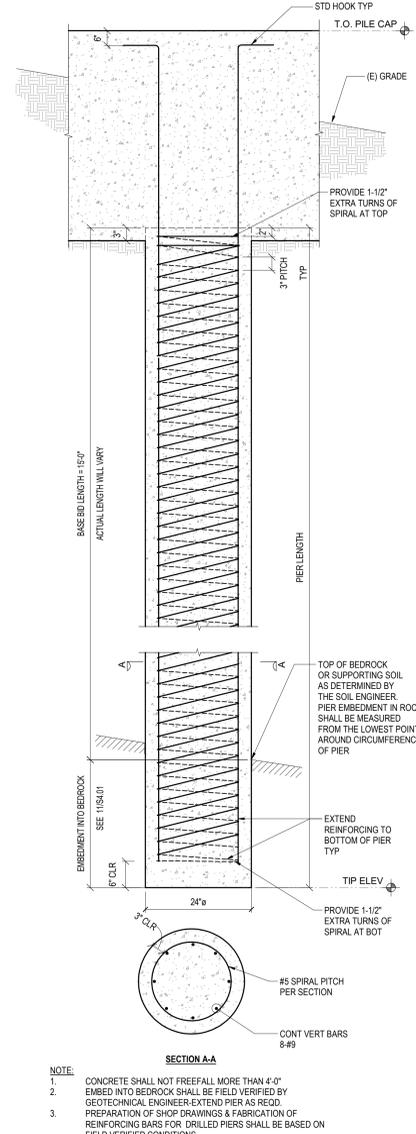
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1 08/21/2025 ADDENDUM 1

SHEET TITLE
**TYPICAL FOUNDATION
DETAILS**

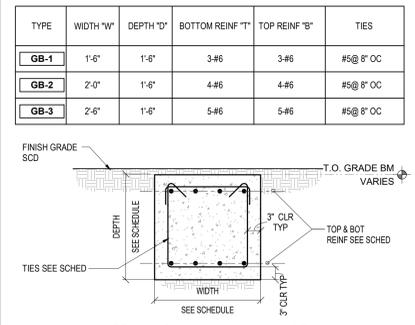
SHEET NUMBER

S4.01



MARK/ID	THICKNESS (IN)	VERT BARS	HORIZ BARS	NO CURTAINS	BOUNDARY ELEMENTS	COMMENTS
CW12	12	#5 @ 12" OC	#5 @ 12" OC	2	-	
CW24	24	#7 @ 12" OC	#6 @ 12" OC	2	SEE 1594.01	
CW30	30	#7 @ 12" OC	#7 @ 8" OC	2	-	

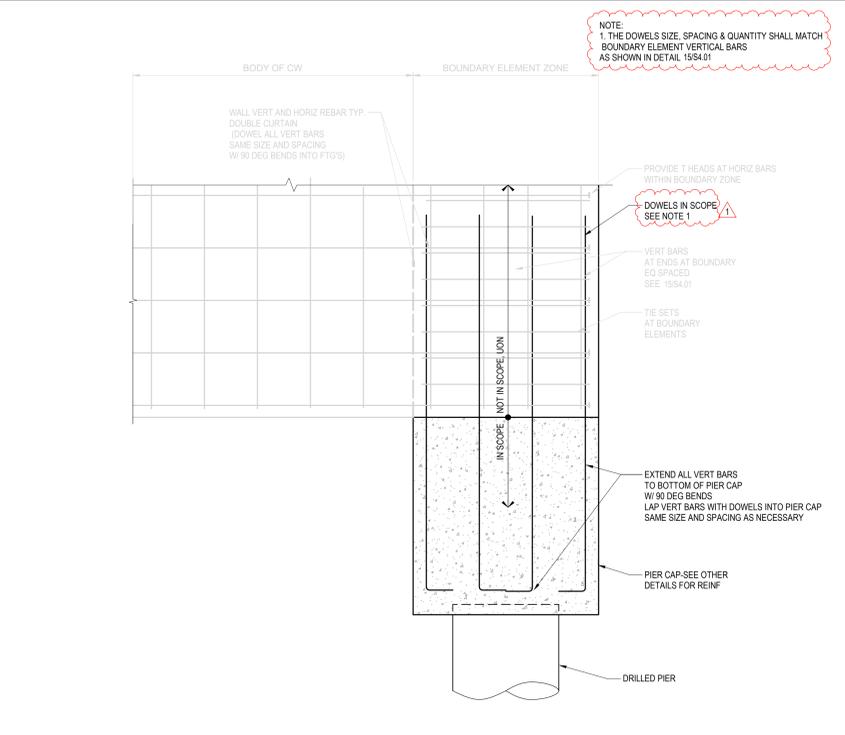
21 CONCRETE WALL SCHED
S4.01 1" = 1'-0"



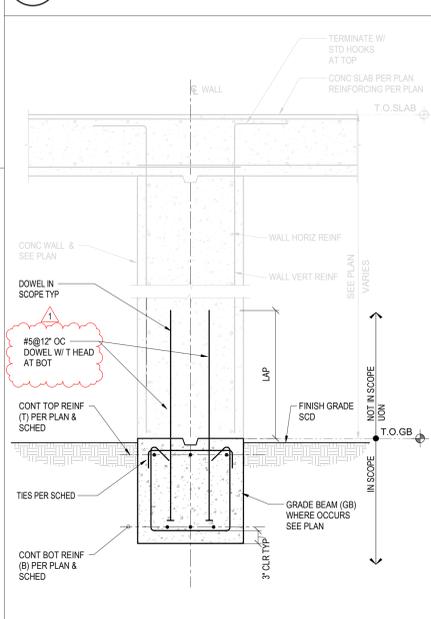
16 TYPICAL GRADE BEAM (GB) SECTION & SCHED
S4.01 3/4" = 1'-0"

MARK	EMBEDMENT INTO BEDROCK	MAX GRAVITY COMPRESSION LOAD (KIPS)	MAX SEISMIC COMPRESSION LOAD (KIPS)	MAX SEISMIC TENSION LOAD (KIPS)	MAX SHEAR AT 1 INCH DEFLECTION (KIPS)
P1	5'-0"	50	66	25	36
P2	10'-0"	200	266	40	41
P3	15'-0"	240	320	55	42

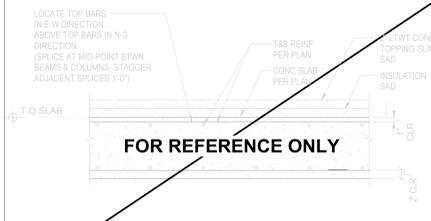
11 DRILLED PIER EMBEDMENT SCHEDULE & CAPACITIES
S4.01 1" = 1'-0"



23 TYP END OF CW SHEAR WALL (PARTIAL) ELEVATION
S4.01 3/4" = 1'-0"



7 TYPICAL PIER CAP WITH COL DETAIL
S4.01 3/4" = 1'-0"

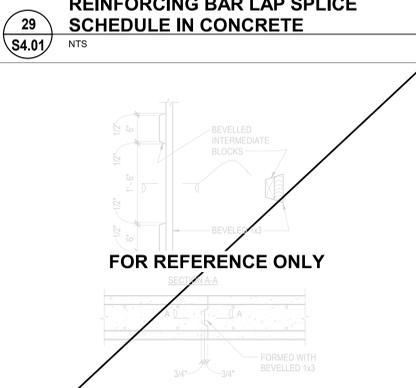


12 TYPICAL DETAIL AT CONC WALL
S4.01 3/4" = 1'-0"

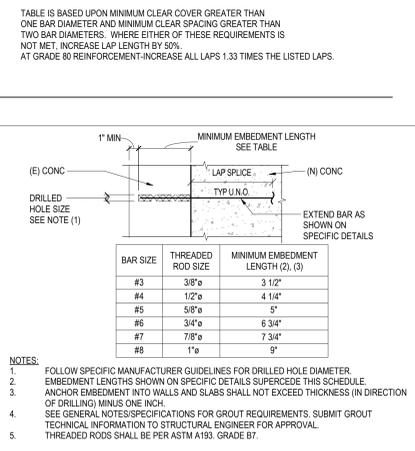
28 TYPICAL DRILLED PIER DETAIL
S4.01 NTS

CONCRETE STRENGTH (PSI)	BAR TYPE	BAR SIZE (60 KSI)																	
		#3		#4		#5		#6		#7		#8		#9		#10		#11	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
2500	TOP BAR	24	31	32	41	39	51	47	61	69	89	78	102	88	115	100	129	110	143
	ALL OTHER BARS	18	24	24	32	30	39	36	47	53	69	60	78	68	88	77	100	85	110
3000	TOP BAR	22	28	29	37	36	47	43	56	63	81	72	93	81	105	91	118	101	131
	ALL OTHER BARS	17	22	22	29	28	36	33	43	48	63	55	72	62	81	70	91	78	101
4000	TOP BAR	19	24	25	33	31	41	37	49	54	71	62	81	70	91	79	102	87	113
	ALL OTHER BARS	15	19	19	25	24	31	29	37	42	54	48	62	54	70	61	79	67	87
5000	TOP BAR	17	22	23	29	28	36	34	43	49	63	56	72	63	81	70	92	78	102
	ALL OTHER BARS	13	17	17	23	22	28	26	34	38	49	43	56	48	63	54	70	60	78

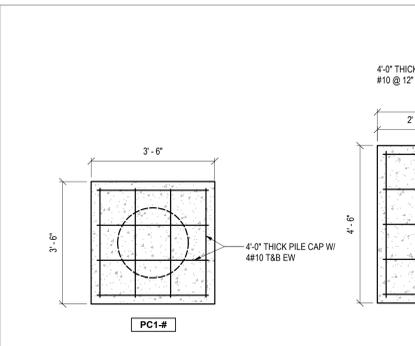
29 REINFORCING BAR LAP SPLICE SCHEDULE IN CONCRETE
S4.01 NTS



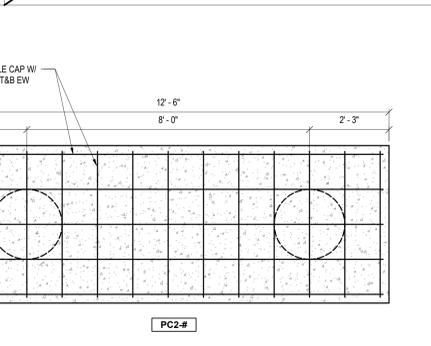
30 VERTICAL CONSTRUCTION JOINT IN CONCRETE WALLS
S4.01 NTS



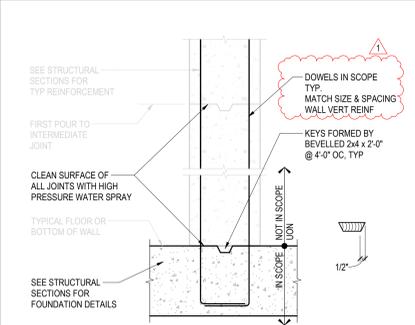
25 GROUTED ANCHOR SCHEDULE
S4.01 NTS



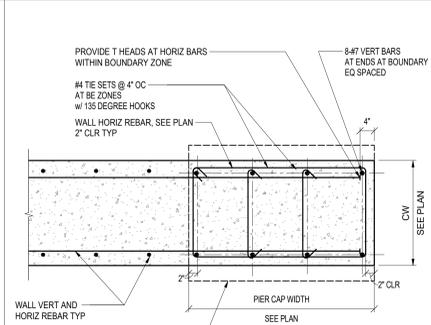
19 PILE CAP PLAN DETAIL
S4.01 1/2" = 1'-0"



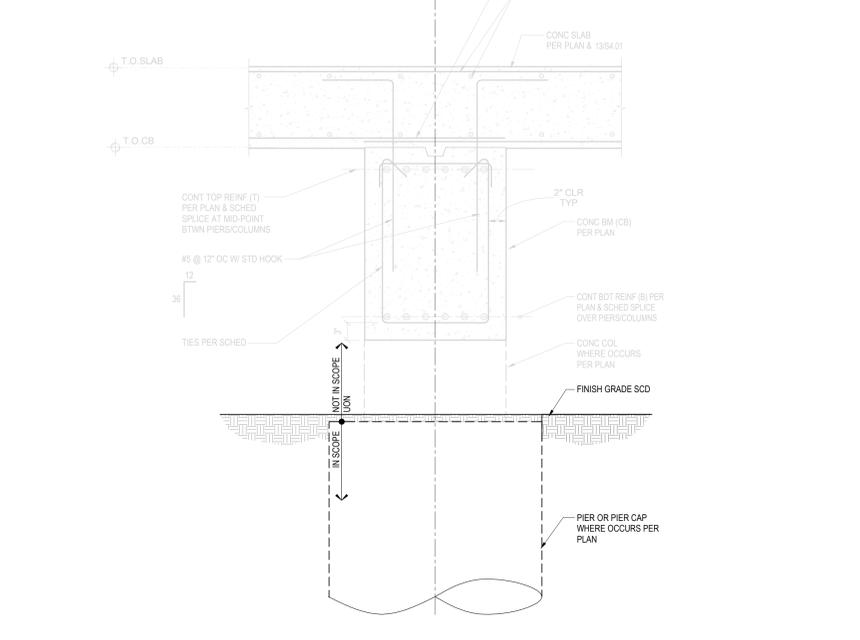
13 TYP SLAB SECTION
S4.01 3/4" = 1'-0"



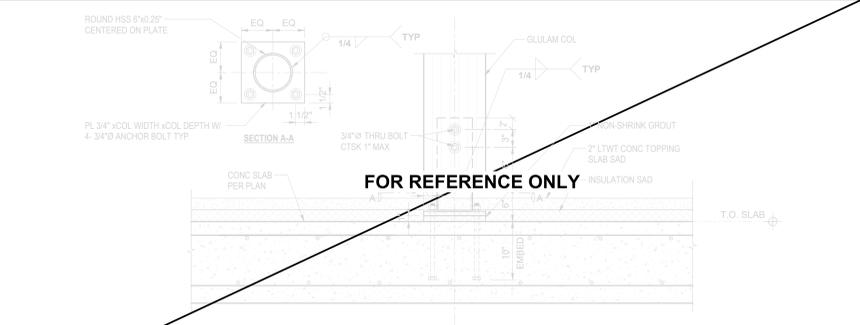
20 HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE WALLS
S4.01 NTS



15 CW24 BOUNDARY ELEMENTS
S4.01 NTS



9 TYPICAL INTERIOR CONCRETE BEAM DETAIL
S4.01 1" = 1'-0"



10 GLULAM COL BASE DETAIL
S4.01 1" = 1'-0"



APPROVALS



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IDA PROJECT: 24006

PROJECT TITLE
**LAS GALLINAS VALLEY
SANITARY DISTRICT
LGVSD -
MULTIPURPOSE
BUILDING**

300 SMITH RANCH RD. SAN
RAFAEL, CA 94903

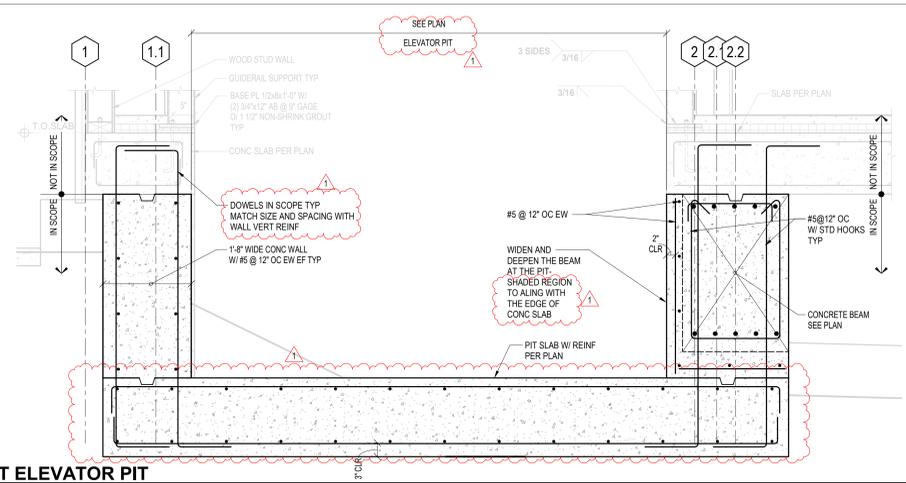
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ISSUE DATE	07/16/2025
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REVISIONS	
1	08/21/2025 ADDENDUM 1

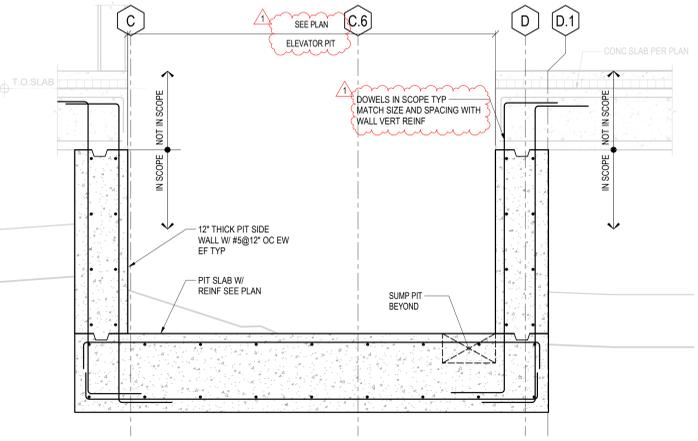
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FOUNDATION SECTIONS

SHEET NUMBER

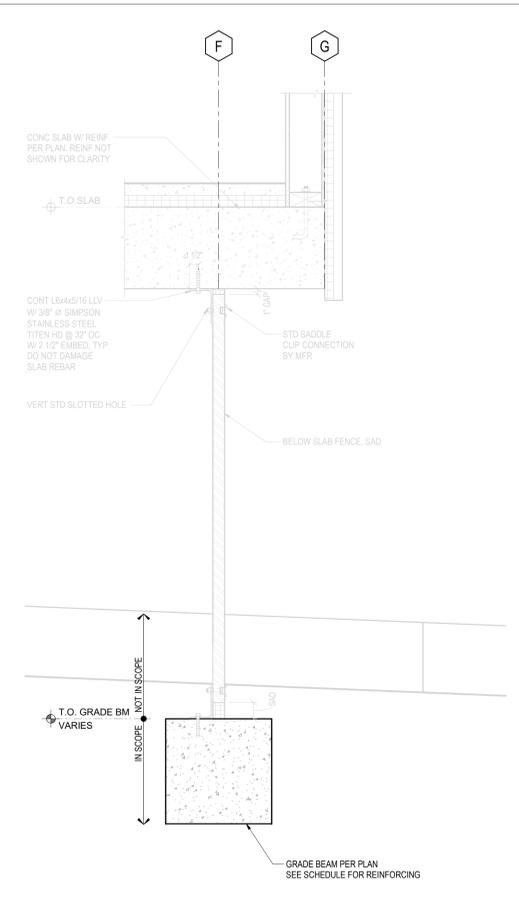
S4.02



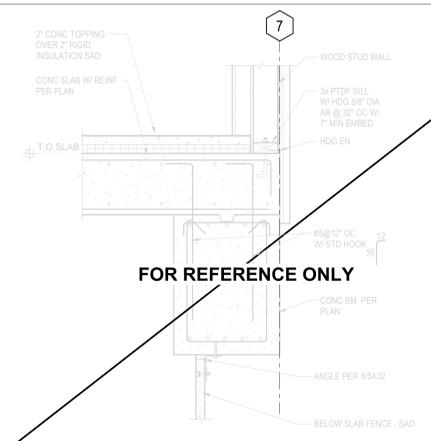
13 SECTION AT ELEVATOR PIT
S4.02 3/4" = 1'-0"



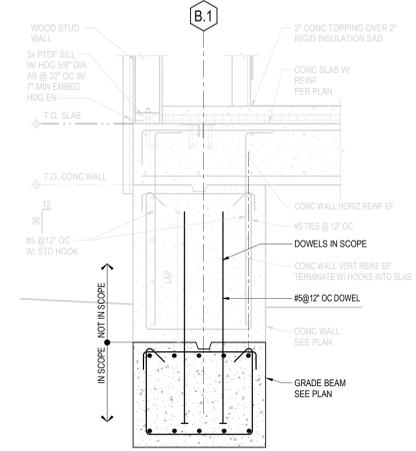
14 SECTION AT ELEVATOR PIT
S4.02 3/4" = 1'-0"



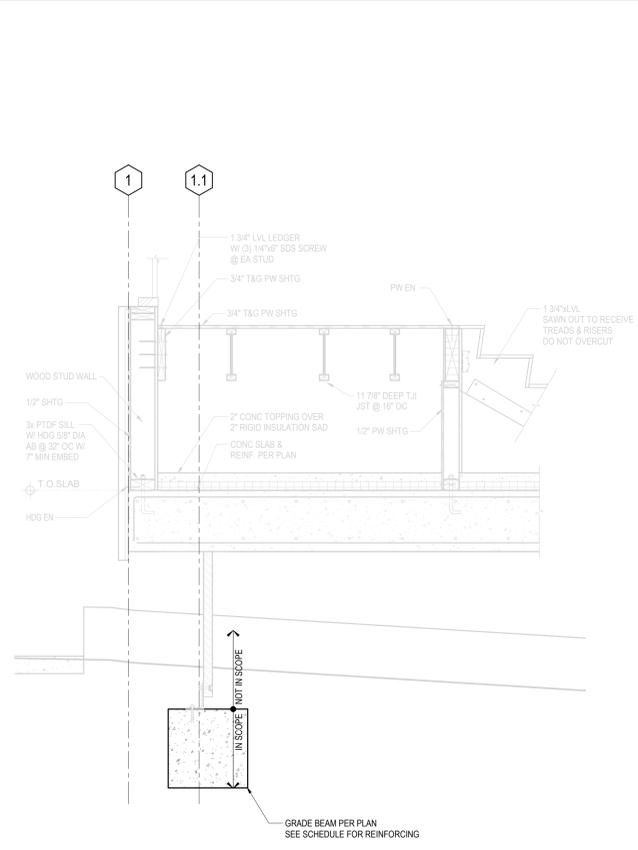
6 SECTION
S4.02 1" = 1'-0"



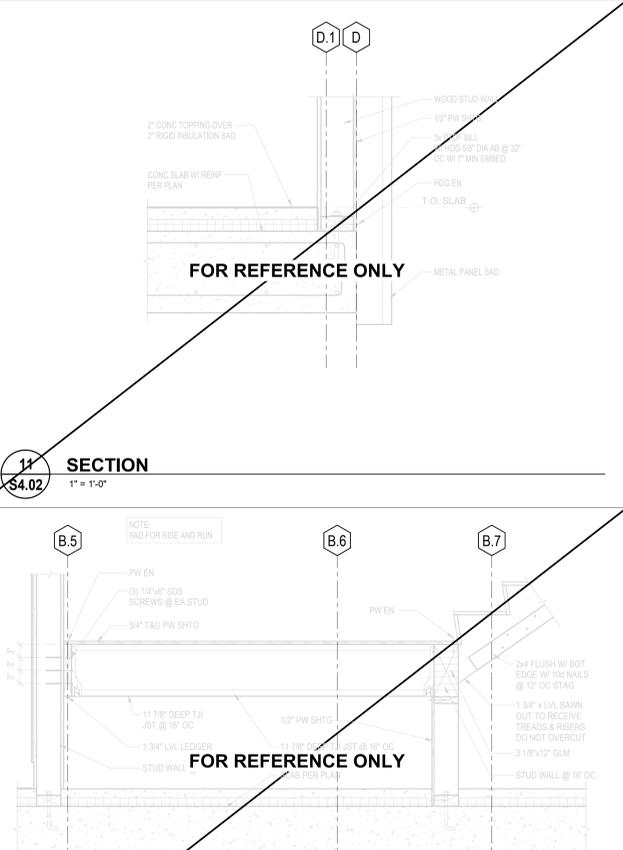
1 SECTION
S4.02 3/4" = 1'-0"



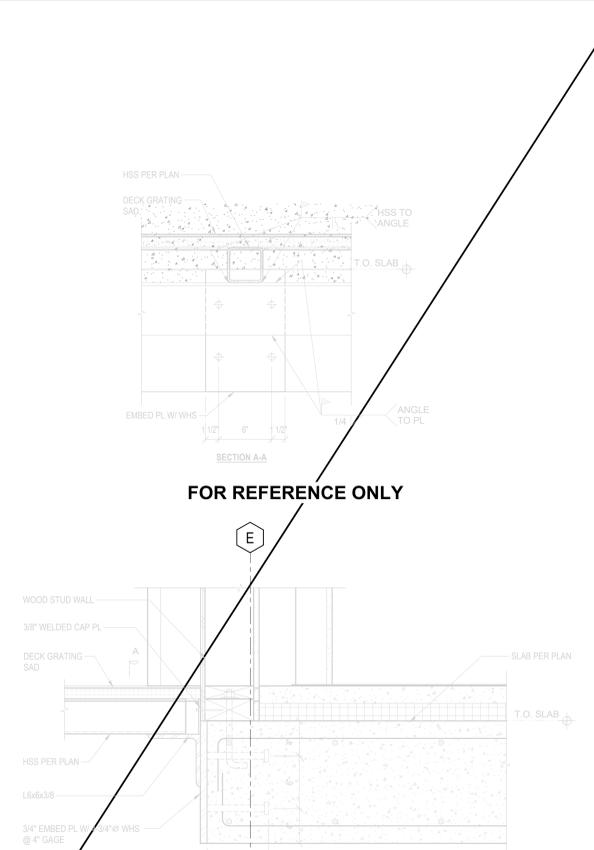
2 SECTION
S4.02 3/4" = 1'-0"



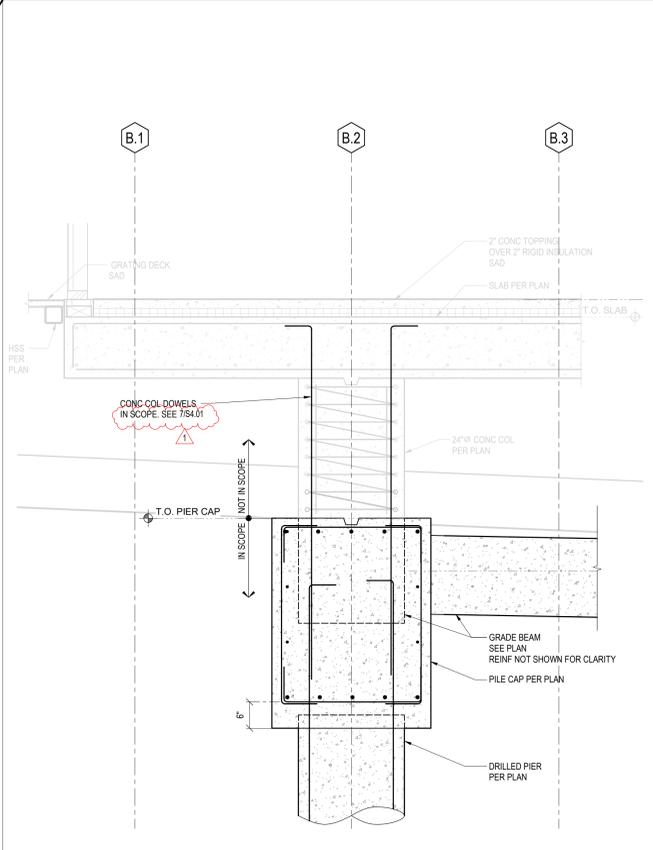
16 SECTION
S4.02 3/4" = 1'-0"



12 SECTION AT STAIR MID LANDING
S4.02 3/4" = 1'-0"



8 SECTION
S4.02 1 1/2" = 1'-0"



4 SECTION
S4.02 3/4" = 1'-0"



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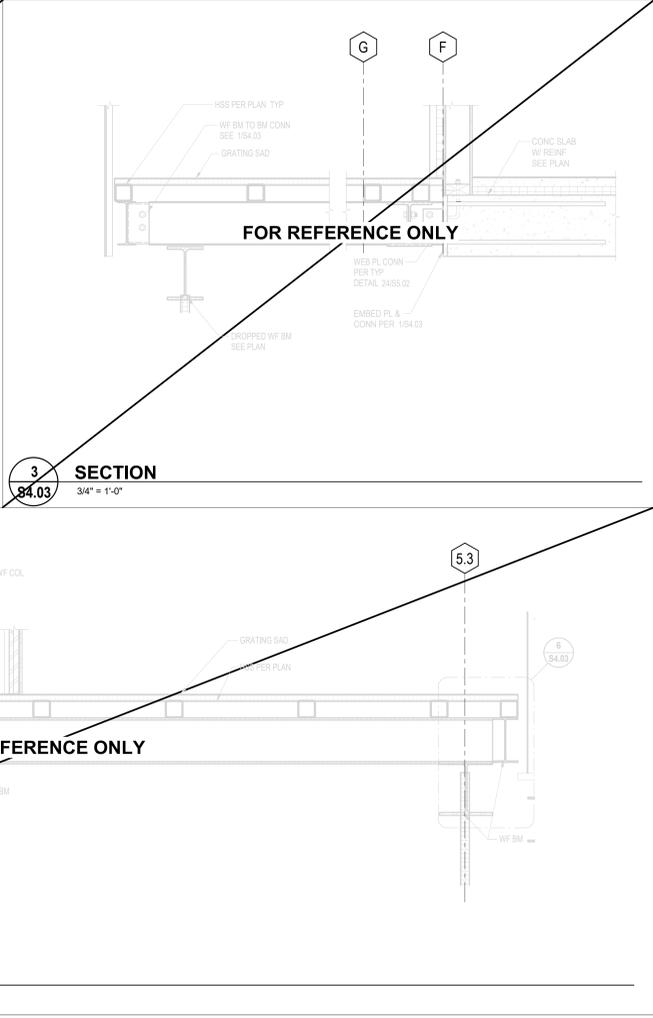
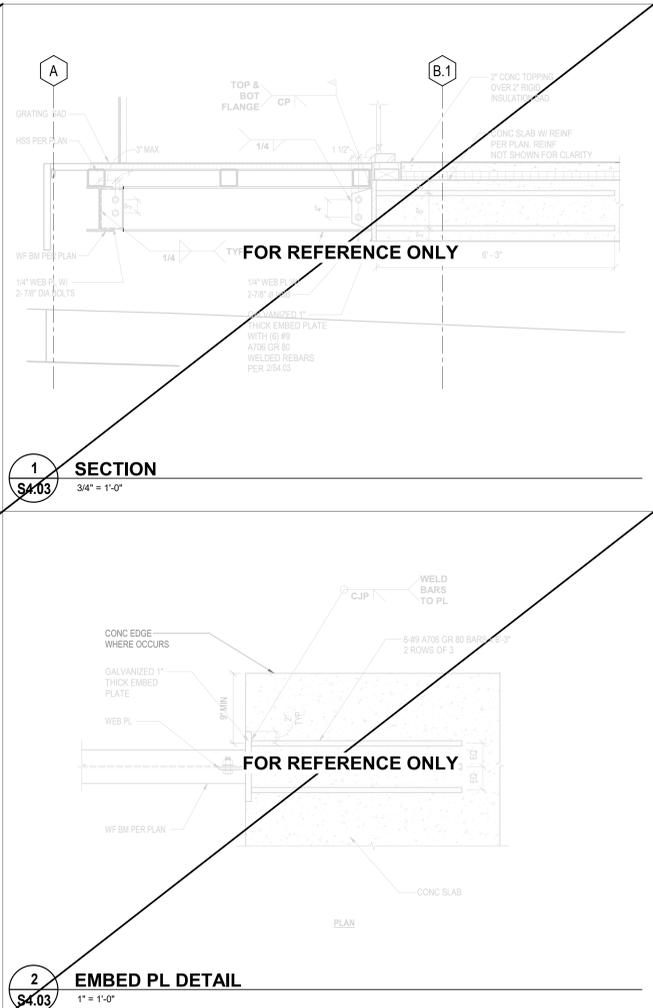
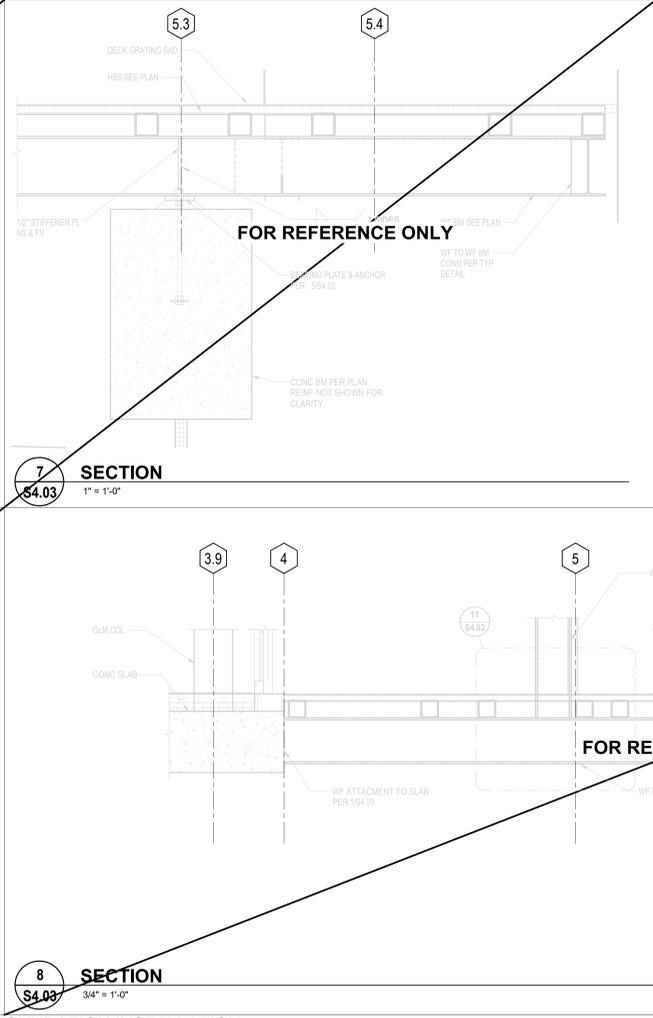
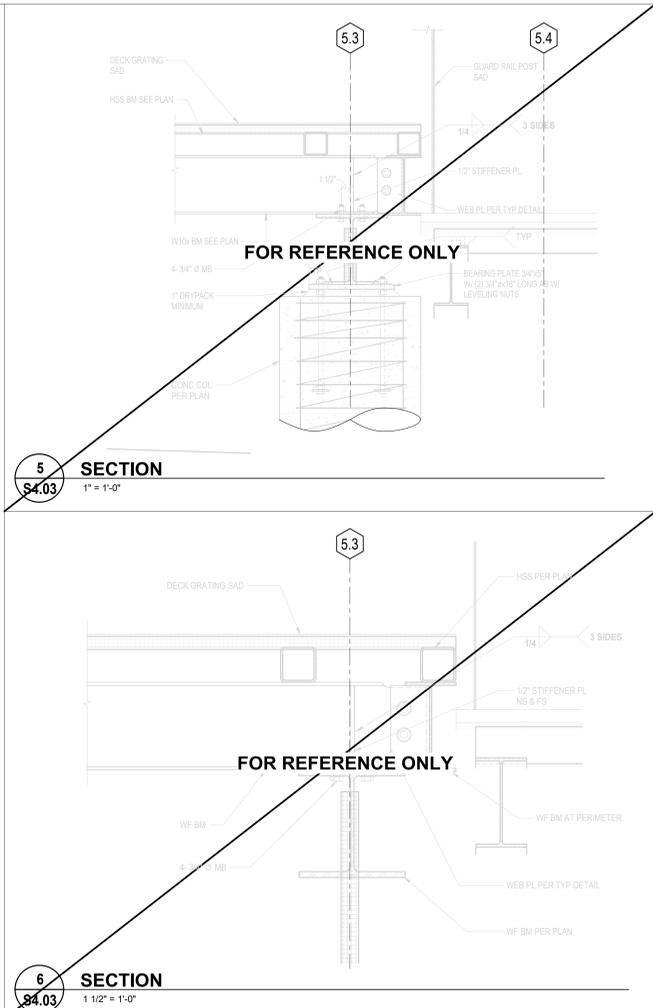
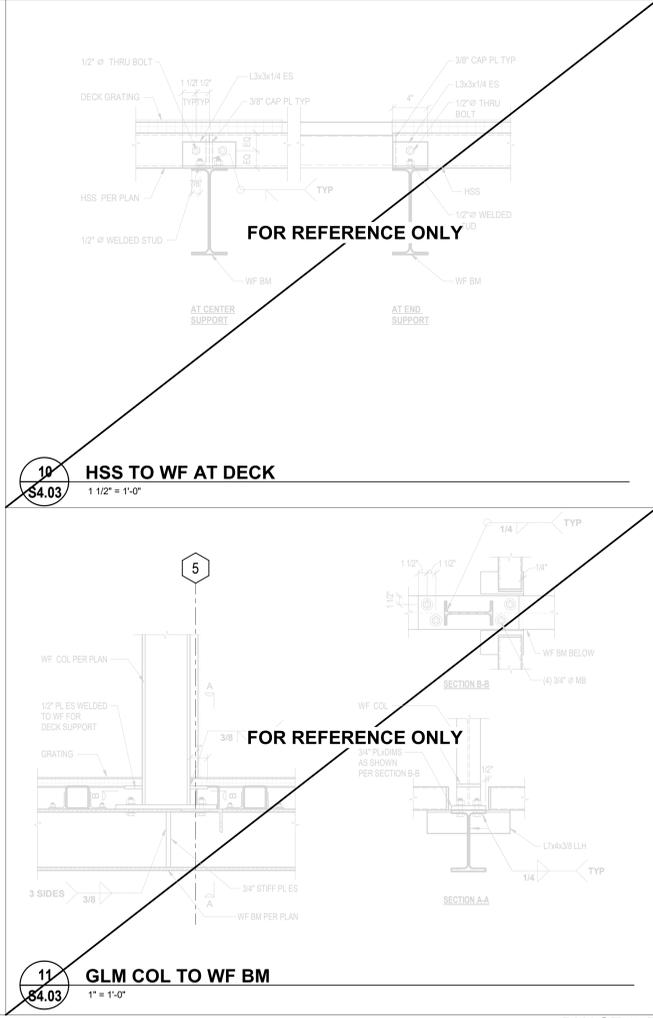
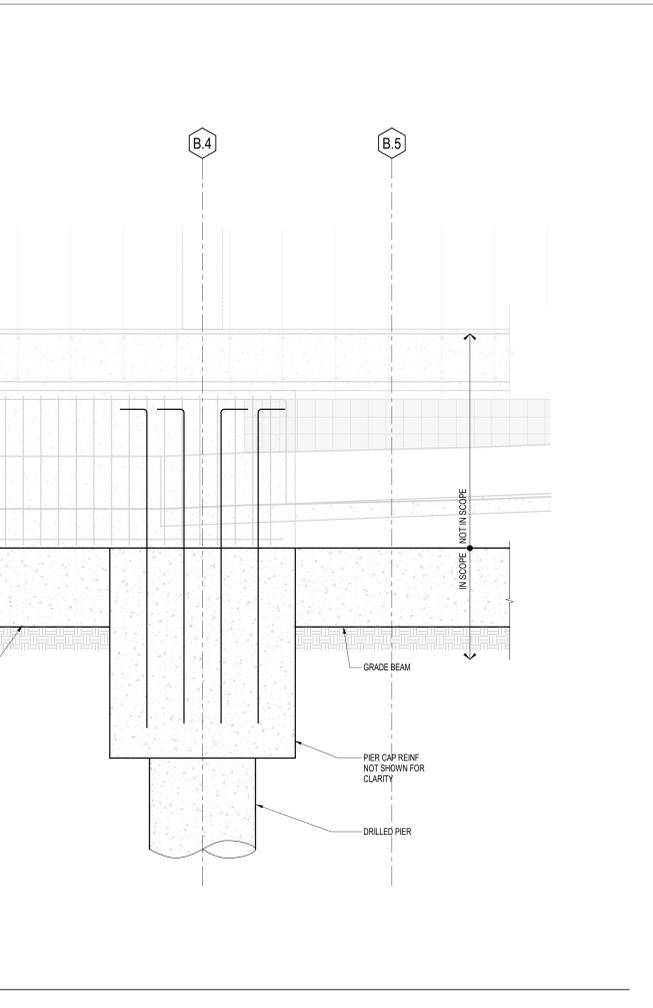
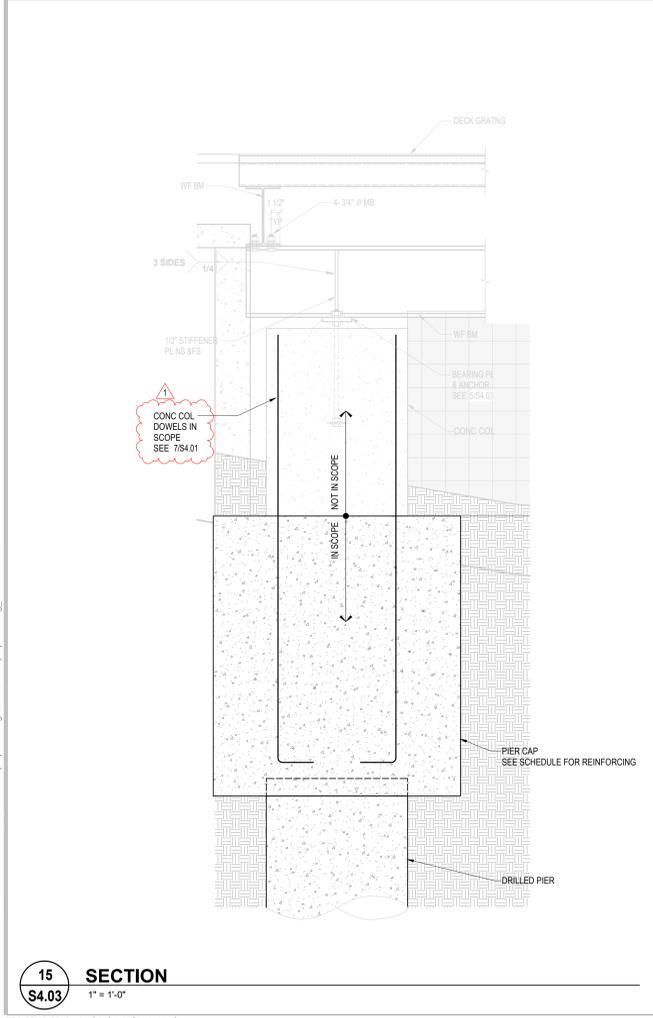
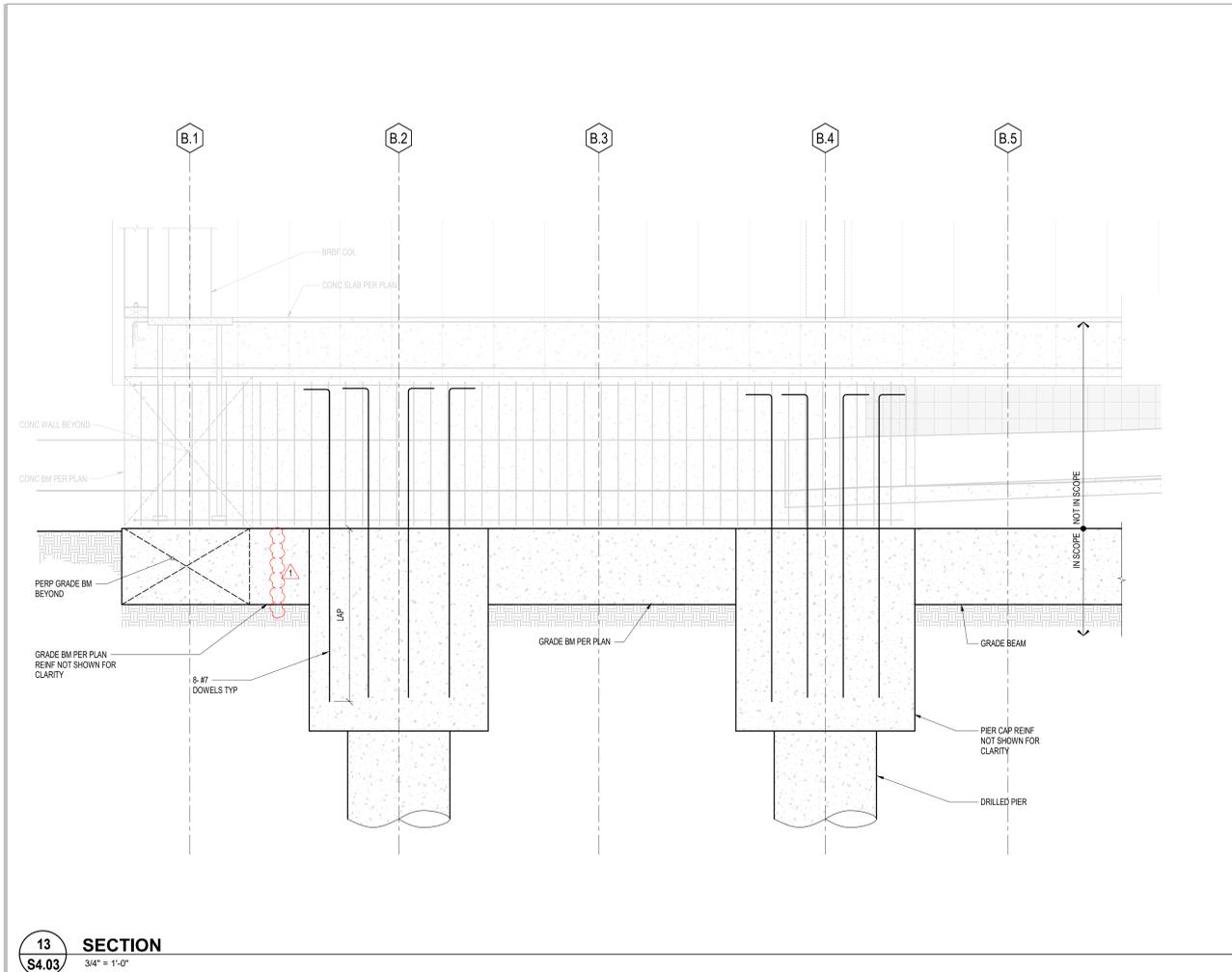
FOUNDATION BID SET

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SHEET TITLE
FOUNDATION SECTIONS

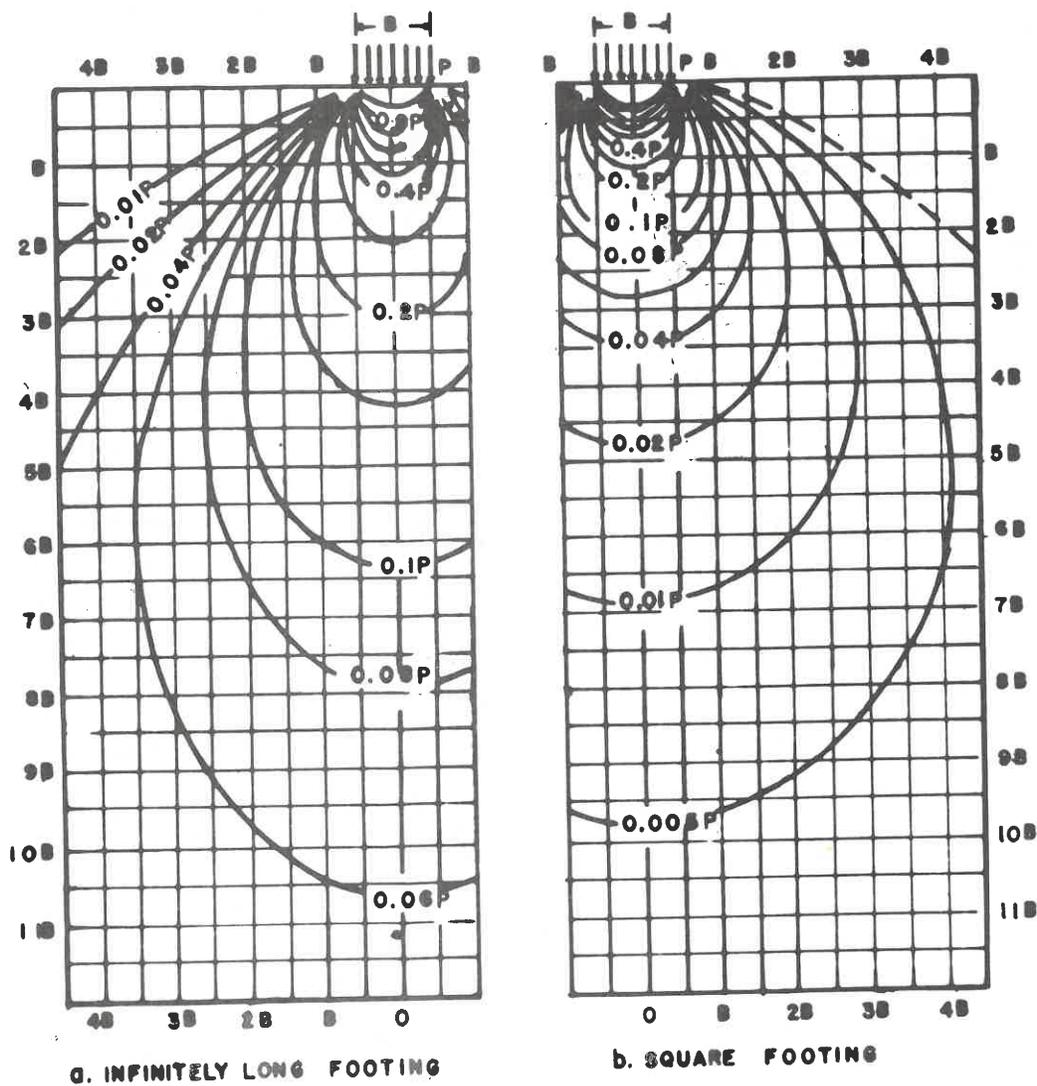
SHEET NUMBER

S4.03



Attachment B

Load Distribution Chart for Applied Surface Loads



SQUARE FOOTING

GIVEN

FOOTING SIZE = 20' X 20'
 UNIT PRESSURE P=2TSF

FIND

PROFILE OF STRESS INCREASE
 BENEATH CENTER OF FOOTING
 DUE TO APPLIED LOAD

B = 20' P = 2 TSF

Z (FT)	Z B	σ_z TSF
10	0.5	0.70 X 2 = 1.4
20	1	0.38 X 2 = 0.76
30	1.5	0.19 X 2 = 0.38
40	2.0	0.12 X 2 = 0.24
50	2.5	0.07 X 2 = 0.14
60	3.0	0.05 X 2 = 0.10

FIGURE 3
 Stress Contours and Their Application