

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 1A - (M08)**

- 8" CMU WALL WITH HOT DIPPED GALVANIZED HORIZONTAL LADDER TRUSS REINFORCEMENT AT 16" O.C. AND VERTICAL REINFORCING BAR #5 AT 24" O.C. FILL VOIDS SOLID WITH GROUT.
- VERTICAL WALL ASSEMBLY EXTENDS TO THE UNDERSIDE OF STRUCTURE AND COMPOSITE FLOOR/ROOF.
- MINIMUM DENSITY: 95pcf

**WALL COMPOSITION FOR TYPE 1A - (M08)**

- SAME AS TYPE 1 EXCEPT INTERIOR CORES FILLED SOLID
- MINIMUM DENSITY: 95pcf

**WALL COMPOSITION FOR TYPE 1R2 - (M28)**

- SAME AS TYPE 1 EXCEPT CMU (CLASSIFICATION D-2) FOR TWO(2) HOUR RATING

NOTE: PER THE 2018 IBC CHAPTER 7 TABLE 723.2.2 THE MINIMUM REQUIRED THICKNESS FOR A 1 HOUR RATED CMU WALL IS 2" AND THE MINIMUM REQUIRED THICKNESS FOR A 2 HOUR RATED CMU WALL IS 4.2".

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
1	INTERIOR NON-BEARING	-	-	7.58"	-
1A	INTERIOR NON-BEARING	-	-	7.58"	-
1R2	INTERIOR NON-BEARING	2HR	U-905	7.58"	-

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 2 - (S026)**

- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 6" (20 GA.) STL. STUDS SPACED AT 16" O.C. MAXIMUM.
- INSTALL 5/12" THK. SOUND ATTENUATION INSULATION BETWEEN STUDS.
- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- EXTEND GYP. BD. TO UNDERSIDE OF DECK.
- SECURE STUDS TO CHANNEL RUNNER ATTACHED TO FLOOR AND STRUCTURE ABOVE CEILING.
- PROVIDE ACOUSTICAL SMOKE SEALANT AT TOP AND BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES).
- SEE TYPICAL PARTITION NOTES AT AREAS TO RECEIVE TILE. PROVIDE 5/8" THICK MOISTURE AND MOLD RESISTANT GYP. BD. OR CEMENTITIOUS TILE BACKER BOARD WITH APPROPRIATE JOINT TREATMENT.

**WALL COMPOSITION FOR TYPE 2R PARTITION - (S416M)**

- SAME AS 1 ABOVE EXCEPT WITH UL 1419 FIRE RATING REQUIREMENTS
- INSTALL (1) ONE LAYER OF 5/8" THK. TYPE 'X' FIRE SHIELD GYP. BD. ON EACH SIDE (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- INSTALL 5/12" THK. SAFB MINERAL WOOL INSULATION BETWEEN STUDS IN FIRE RATED PARTITIONS.
- PROVIDE ACOUSTICAL SMOKE SEALANT AT TOP AND BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES OF RATED PARTITIONS)

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
2	INTERIOR NON-BEARING	-	-	7.14"	39
2R1	INTERIOR NON-BEARING	1HR	U-419	7.14"	45

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 2R2 - (S026M)**

- INSTALL (2) TWO LAYERS OF 5/8" THK. TYPE 'X' FIRE SHIELD GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 6" (20 GA.) STL. STUDS SPACED AT 16" O.C. MAXIMUM.
- INSTALL 5/12" THK. SAFB MINERAL WOOL INSULATION BETWEEN STUDS IN FIRE RATED PARTITIONS.
- INSTALL (2) TWO LAYERS OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- EXTEND GYP. BD. TO UNDERSIDE OF DECK.
- SECURE STUDS TO CHANNEL RUNNER ATTACHED TO FLOOR AND STRUCTURE ABOVE CEILING.
- PROVIDE ACOUSTICAL SMOKE SEALANT AT TOP AND BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES OF RATED PARTITIONS)
- SEE TYPICAL PARTITION NOTES AT AREAS TO RECEIVE TILE. PROVIDE 5/8" THICK MOISTURE AND MOLD RESISTANT GYP. BD. OR CEMENTITIOUS TILE BACKER BOARD WITH APPROPRIATE JOINT TREATMENT.

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
2R2	INTERIOR NON-BEARING	2 HR	U-419	8.12"	54

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 3 - (S043)**

- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 3.58" (20 GA.) STL. STUDS SPACED AT 16" O.C. MAXIMUM.
- INSTALL 3/12" THK. SOUND ATTENUATION INSULATION BETWEEN STUDS.
- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- EXTEND GYP. BD. TO UNDERSIDE OF DECK.
- SECURE STUDS TO CHANNEL RUNNER ATTACHED TO FLOOR AND STRUCTURE ABOVE CEILING.
- PROVIDE ACOUSTICAL SMOKE SEALANT AT TOP AND BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES).
- SEE TYPICAL PARTITION NOTES AT AREAS TO RECEIVE TILE. PROVIDE 5/8" THICK MOISTURE AND MOLD RESISTANT GYP. BD. OR CEMENTITIOUS TILE BACKER BOARD WITH APPROPRIATE JOINT TREATMENT.

**WALL COMPOSITION FOR TYPE 3B - (S043B)**

- SAME AS 3 ABOVE EXCEPT WITH 3.58" (20 GA.) STEEL STUDS AT 16" O.C.

**WALL COMPOSITION FOR TYPE 3C - (S043C)**

- SAME AS 3 ABOVE EXCEPT FOR 1-HOUR RATING
- USED AT LIMITED ELECTRICAL CLOSETS WHERE 1-HOUR RATING IS REQUIRED.

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
3	INTERIOR NON-BEARING	-	-	4.78"	39
3B	INTERIOR NON-BEARING	-	-	4.78"	48
3C	INTERIOR NON-BEARING	1HR	U-419	4.78"	-

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 3A1 - (S043A)**

- ACOUSTICAL REQUIREMENTS - STC 48
- INSTALL (1) ONE LAYER OF 5/8" THK. TYPE 'X' FIRE SHIELD GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 3.58" (20 GA.) - 18 MIL. STD. EQUIVALENT) STL. STUDS SPACED AT 16" O.C. MAXIMUM
- INSTALL 3/12" THK. SOUND ATTENUATION INSULATION BETWEEN STUDS.
- INSTALL (1) ONE LAYER OF 5/8" THK. SOUNDBREAK 'XP' GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- EXTEND GYP. BD. TO UNDERSIDE OF DECK.
- SECURE STUDS TO CHANNEL RUNNER ATTACHED TO FLOOR AND STRUCTURE ABOVE CEILING.
- PROVIDE ACOUSTICAL SMOKE SEALANT AT TOP AND BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES).
- SEE TYPICAL PARTITION NOTES AT AREAS TO RECEIVE TILE. PROVIDE 5/8" THICK MOISTURE AND MOLD RESISTANT GYP. BD. OR CEMENTITIOUS TILE BACKER BOARD WITH APPROPRIATE JOINT TREATMENT.

**WALL COMPOSITION FOR TYPE 3A2 - (S043A)**

- SAME AS 3A1 ABOVE EXCEPT WITH ACOUSTICAL REQUIREMENTS - STC 50
- INSTALL (1) ONE LAYER OF 5/8" THK. SOUNDBREAK 'XP' GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 3.58" (20 GA. - 19 MIL. STD. EQUIVALENT) STL. STUDS SPACED AT 16" O.C. MAXIMUM
- INSTALL (1) ONE LAYER OF 5/8" THK. SOUNDBREAK 'XP' GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
3A1	INTERIOR NON-BEARING	-	U-419	4.78"	48
3A2	INTERIOR NON-BEARING	1HR	U-419	4.78"	50

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 3L - (P043)**

- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 3.58" (20 GA.) STL. STUDS SPACED AT 16" O.C. MAXIMUM.
- PROVIDE POST ANCHORS AT CORNERS AND ENDS OF PARTITIONS AND KNEE WALL CONNECTORS (MIN. 3 PER WALL LENGTH). INSTALL PER MFR'S WRITTEN INSTRUCTIONS.
- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- SECURE STUDS TO CHANNEL RUNNER ATTACHED TO FLOOR.
- PROVIDE ACOUSTICAL SEALANT AT BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES)
- PROVIDE SOLID SURFACE CAP WITH ALUMINUM REVEAL AT TOP CONDITION.

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
3L	INTERIOR LOW PARTITION	-	-	4.78"	-

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 3P - (S043P)**

- ACOUSTICAL REQUIREMENTS - STC 39
- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 3.58" (20 GA.) STL. STUDS SPACED AT 16" O.C. MAXIMUM
- INSTALL 3/12" THK. SOUND ATTENUATION INSULATION BETWEEN STUDS.
- INSTALL (1) ONE LAYER OF 5/8" THK. GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- SECURE STUDS TO CHANNEL RUNNER ATTACHED TO FLOOR AND STRUCTURE ABOVE CEILING.
- PROVIDE ACOUSTICAL SEALANT AT BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES)
- PROVIDE BATT INSULATION AT TOP. EXTEND INSULATION 2" IN EACH DIRECTION BEYOND FACE OF WALL.
- SEE TYPICAL PARTITION NOTES AT AREAS TO RECEIVE TILE. PROVIDE 5/8" THICK MOISTURE AND MOLD RESISTANT GYP. BD. OR CEMENTITIOUS TILE BACKER BOARD WITH APPROPRIATE JOINT TREATMENT.

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
3P	INTERIOR NON-BEARING	-	-	4.78"	39

**TOP CONDITION**

**PLAN CONDITION**

**BOTTOM CONDITION**

**WALL COMPOSITION**

**WALL COMPOSITION FOR TYPE 4R1 - (X014M)**

- INSTALL (1) ONE LAYER OF 1" GYP. WALL BD. LINER BETWEEN C-H STUDS. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- 4" (20 GA.) STL. C-H STUDS AT 24" O.C. MAXIMUM
- INSTALL 3/12" THK. SAFB MINERAL WOOL INSULATION BETWEEN STUDS.
- INSTALL (1) ONE LAYER OF 5/8" THK. TYPE 'X' FIRE SHIELD GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.
- EXTEND GYP. BD. TO UNDERSIDE OF DECK.
- SECURE STUDS TO CHANNEL RUNNER ATTACHED TO FLOOR AND STRUCTURE ABOVE CEILING.
- PROVIDE ACOUSTICAL SMOKE SEALANT AT TOP AND BOTTOM OF PARTITION AND ALL WALL PENETRATIONS, IE. OUTLETS, JUNCTION BOXES, ETC. (TYPICAL BOTH SIDES OF RATED PARTITIONS)
- HORIZONTAL JOINTS ON ADJACENT LAYERS SHALL BE STAGGERED 12" MINIMUM.
- VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED 24" MINIMUM ON ADJACENT LAYERS.

**WALL COMPOSITION FOR TYPE 4R2 - (X024M)**

- SAME AS 4R1 ABOVE EXCEPT WITH (1) ONE LAYER OF 3/4" THK. TYPE 'X' FIRE SHIELD GYP. BD. (SCREW ATTACHED). ALL JOINTS SHALL BE STAGGERED AND FINISHED.

TAG	DESCRIPTION	RATING	UL NO.	WIDTH	STC
4R1	INTERIOR SHAFT WALL	1 HR	U-415	4.58"	43
4R2	INTERIOR SHAFT WALL	2 HR	U-415	4.34"	51

### PARTITION LEGEND

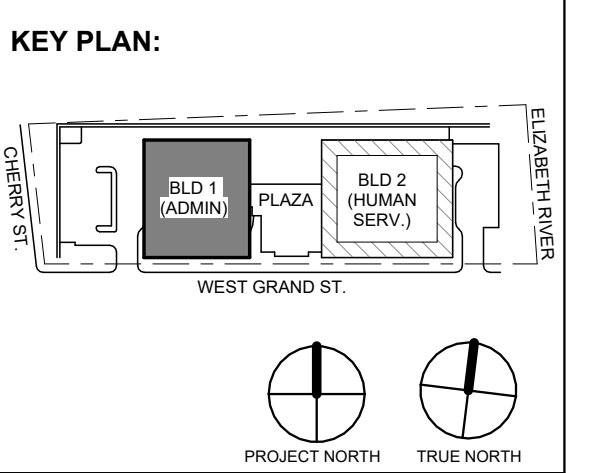
INTERIOR FRAMING LIMITING HEIGHT SCHEDULE					
SIZE	METAL THICKNESS	SPACING	LIMITING HEIGHT @ SPFS		
			L/240	L/360	
2 1/2"	0.0269 (22 GA)	16" O.C.	12' - 11"	12' - 6"	
2 1/2"	0.033 (20 GA)	16" O.C.	14' - 5"	12' - 10"	
2 1/2"	0.033 (20 GA)	12" O.C.	15' - 10"	14' - 1"	
4"	0.033 (20 GA)	16" O.C.	17' - 8"	15' - 6"	
6"	0.0269 (22 GA)	16" O.C.	24' - 4"	21' - 3"	
6"	0.033 (20 GA)	16" O.C.	24' - 7"	21' - 6"	

C-H FRAMING LIMITING HEIGHT SCHEDULE					
SIZE	METAL THICKNESS	SPACING	LIMITING HEIGHT @ SPFS		
			L/240	L/360	
2 1/2" CH	0.033 (20 GA)	24" O.C.	12' - 3"	10' - 10"	
4"	0.033 (20 GA)	24" O.C.	17' - 6"	15' - 3"	
6"	0.033 (20 GA)	24" O.C.	21' - 9"	20' - 0"	

- TYPICAL GYP PARTITION NOTES**
- REFER TO ENLARGED FLOOR PLANS ON CS-100 SERIES SHEETS.
  - REFER TO WALL RATING PLANS ON SHEETS G-020, G-021, G-022, G-023 FOR WALL FIRE RATING REQUIREMENTS.
  - REFER TO TYPICAL FIRE STOPPING DETAILS ON SHEETS G-009, G-010 AND G-011 FOR PENETRATIONS AT RATED PARTITIONS AND TOP AND BOTTOM RATED PARTITION TERMINATION DETAILS.
  - GYPSUM BOARD SHALL BE 5/8" U.O.N.
  - ALL PARTITION ASSEMBLIES NOTED ON THIS SHEET (INCLUDING STUDS AND ALL LAYERS OF GYP. BD.) SHALL EXTEND FULL HEIGHT TO UNDERSIDE OF ROOF OR FLOOR STRUCTURE ABOVE UNLESS OTHERWISE NOTED (U.O.N.).
  - ALL GYPSUM WALL BOARD PANEL JOINTS TO BE TREATED WITH 2" PAPER TAPE AND JOINT COMPOUND TO A LEVEL 4 FINISH (U.O.N.).
  - SEE FINISH SCHEDULE FOR APPLIED WALL AND BASE FINISHES. ALL WALL FINISHES SHALL EXTEND 6" ABOVE FINISHED CEILING HEIGHT, U.O.N.
  - ALL FIRE RATED GYPSUM BOARD PARTITIONS TO HAVE FIRE RETARDANT GYPSUM BOARD.
  - PROVIDE MOISTURE AND MOLD RESISTANT GYP. BD. BEHIND ALL CERAMIC-TILED AND NON-TILED PARTITIONS AT NON-WET (MOISTURE ONLY) AREAS (TOILET ROOMS, JAN CLOSET, ETC.) WHETHER OR NOT INDICATED BY MODIFIER.
  - PROVIDE TILE BACKING BOARD IN LIEU OF GYP. BD. AT ALL WET LOCATIONS (SHOWERS, TUB SURROUNDS, ETC.) WHETHER OR NOT INDICATED BY MODIFIER.
  - WHERE DIAGONAL BRACING IS INTERRUPTED OR DISCONTINUOUS DUE TO BUILDING SYSTEMS, PROVIDE ADDITIONAL LATERAL BRACING.
  - SEE STRUCTURAL DRAWINGS FOR WALL REINFORCEMENT, BRACING, AND TOP OF WALL CONSTRAINT FASTENING DETAILS.

- TYPICAL CMU PARTITION NOTES**
- PARTITIONS TO EXTEND FULL HEIGHT TO UNDERSIDE OF FLOOR OR ROOF ABOVE U.O.N.
  - ALL CMU TO BE LIGHTWEIGHT U.O.N.
  - REFER TO MASONRY SPECIFICATIONS FOR ADDITIONAL INFORMATION FOR SPECIFIC CMU TYPES.

- TYPICAL SHAFT WALL PARTITION NOTES**
- ALL SHAFT WALL STUD TO BE 25 GA. @ 24" O.C. U.O.N.



No.	Date	Description
7	01.12.2024	Addendum No. 7
11	08.2023	For Public Bid

**Revisions / Issues**

**DiGroupArchitecture**  
ARCHITECTURE FOR CHANGE

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Jeffrey D. Venezia, AIA  
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**UNION COUNTY IMPROVEMENT AUTHORITY**

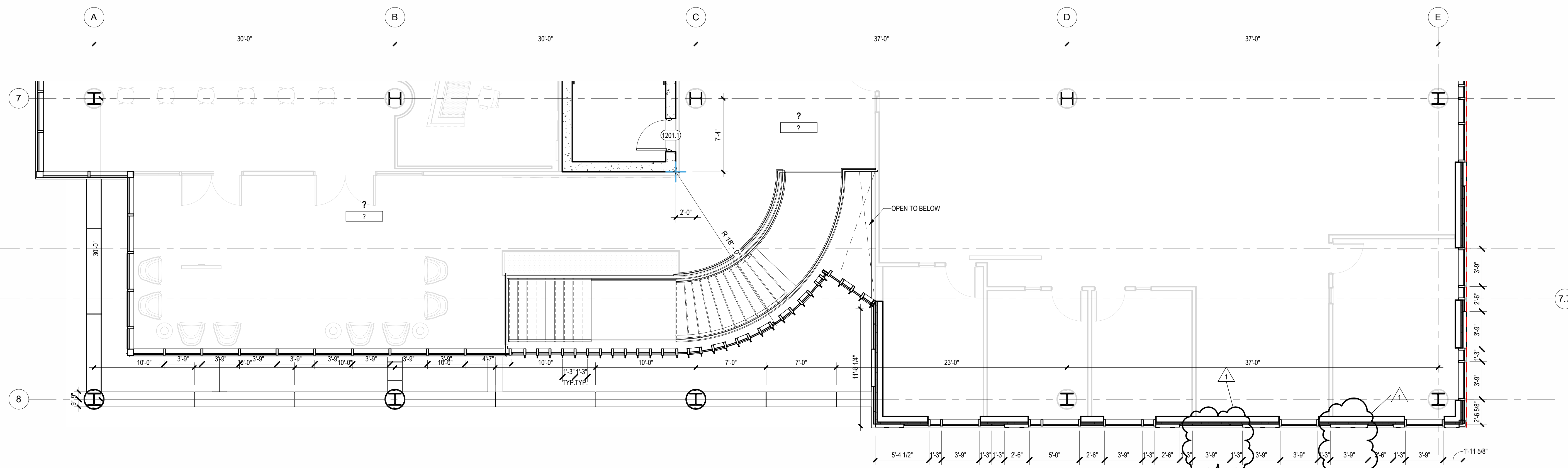
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY 07202

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

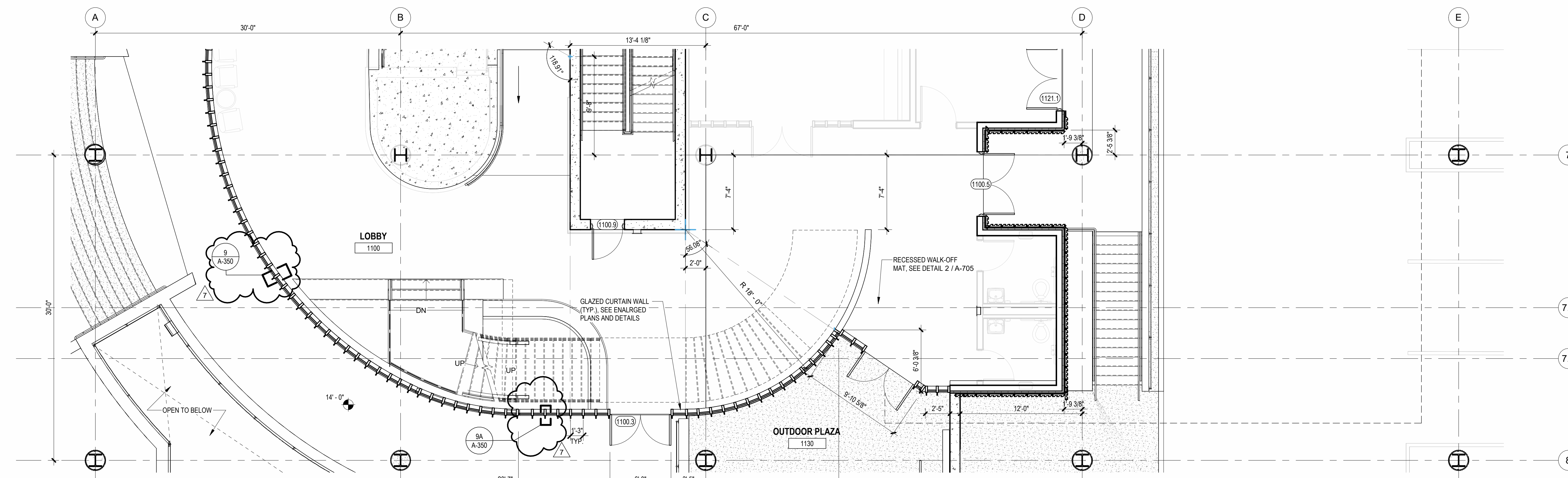
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**PARTITION TYPES**

Sheet No:  
**G-013**





**3 BUILDING NO.1 - LEVEL 2 - EAST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



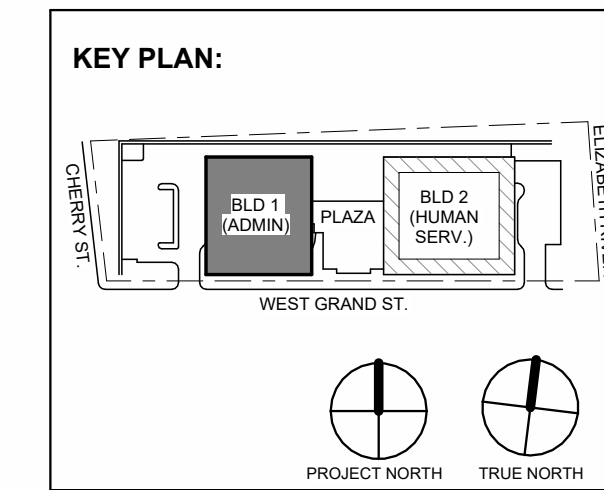
**2 BUILDING NO.1 - LEVEL 1 - EAST WALL ENLARGED FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



**1 BUILDING NO.1 - ENLARGED EAST ELEVATION LOWER LEVEL**  
SCALE: 3/16" = 1'-0"

MATERIAL LEGEND	
	GL-1 1" THICK CLEAR INSULATED TEMPERED GLAZING
	GL-3 1" THICK CERAMIC FRIT SPANDREL GLAZING
	GL-4 1" THICK INSULATED TEMPERED ACID ETCHED FROSTED GLAZING
	GL-5 1" THICK CLEAR INSULATED TEMPERED TRIPLE GLAZING W/ CUSTOM SEAL
	CMP-1 COMPOSITE METAL PANEL WITH COLOR NO. 1
	CMP-2 COMPOSITE METAL PANEL WITH COLOR NO. 2
	CMP-3 COMPOSITE METAL PANEL WITH COLOR NO. 3
	TCP-4 TERRACOTTA WALL SYSTEM FLAT
	TCP-4A TERRACOTTA WALL SYSTEM FLUTED
	CMP-5 CORRUGATED METAL PANEL
	CMP-6 CORRUGATED METAL PANEL W/ PERFORATIONS
	CW-1 SEALED CONCRETE WALL WITH BOARD TEXTURE FINISH

**BASIS OF DESIGN:**  
 A. INTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 402 (INT) SERIES INTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 B. EXTERIOR ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO 403 (EXT) SERIES EXTERIOR STOREFRONT FRAMING SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113  
 C. UNITIZED PRE-GLAZED CURTAIN WALL ALUMINUM STOREFRONT SYSTEMS BASIS OF DESIGN: EFCO SERIES 5600PG PRE-GLAZED CURTAIN WALL 7'-12" SYSTEM WITH GLAZING, SEE SPECIFICATIONS SECTION 084113



No.	Date	Description
7	01-12-2024	Addendum No. 7
1	12-01-2023	Addendum No. 1
1	11-08-2023	For Public Bid

**Revisions / Issues**

**DIGroupArchitecture**  
ARCHITECTURE FOR CHANGE  
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Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

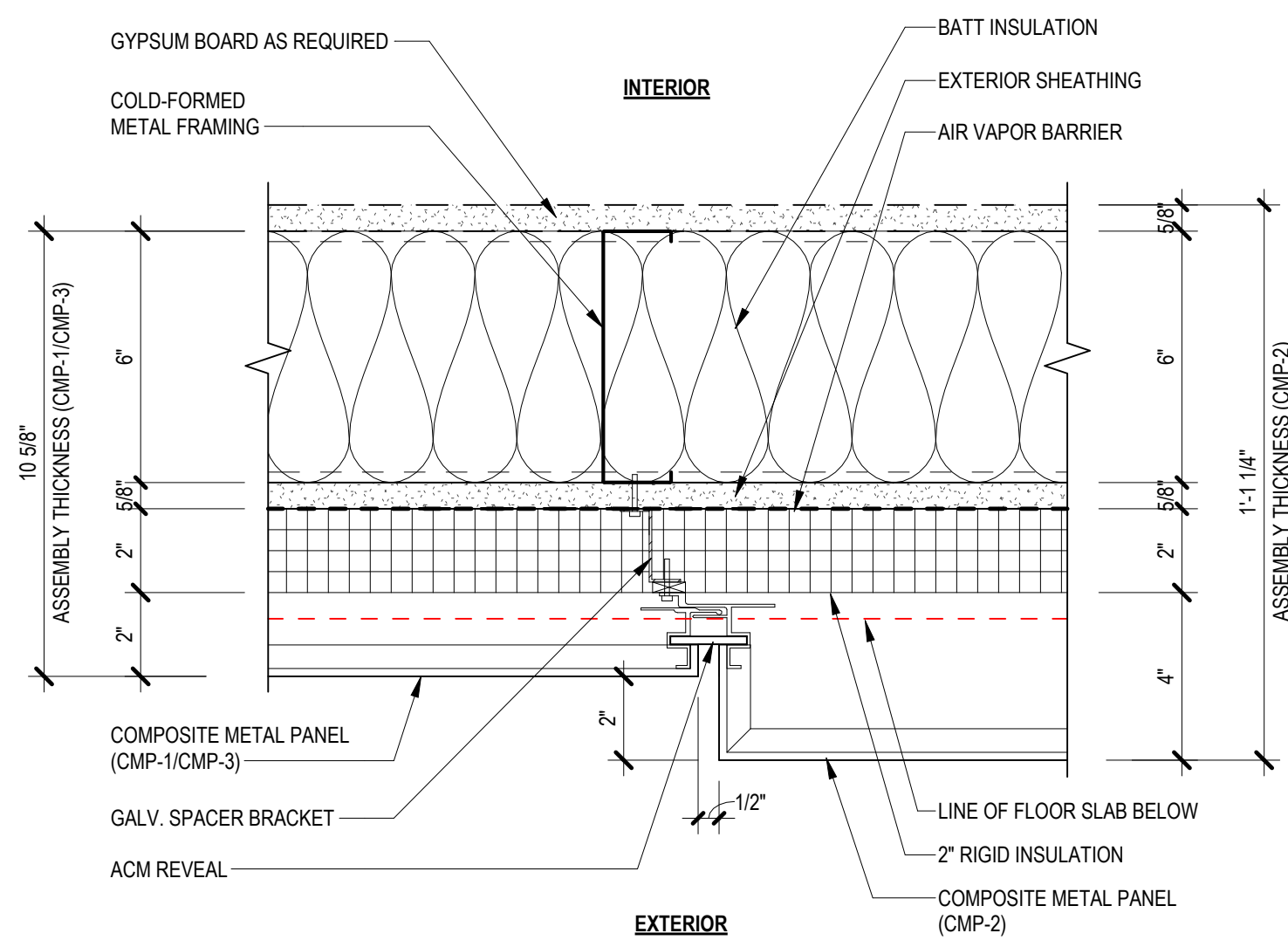
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CITY OF ELIZABETH  
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Checked By: JM / SH

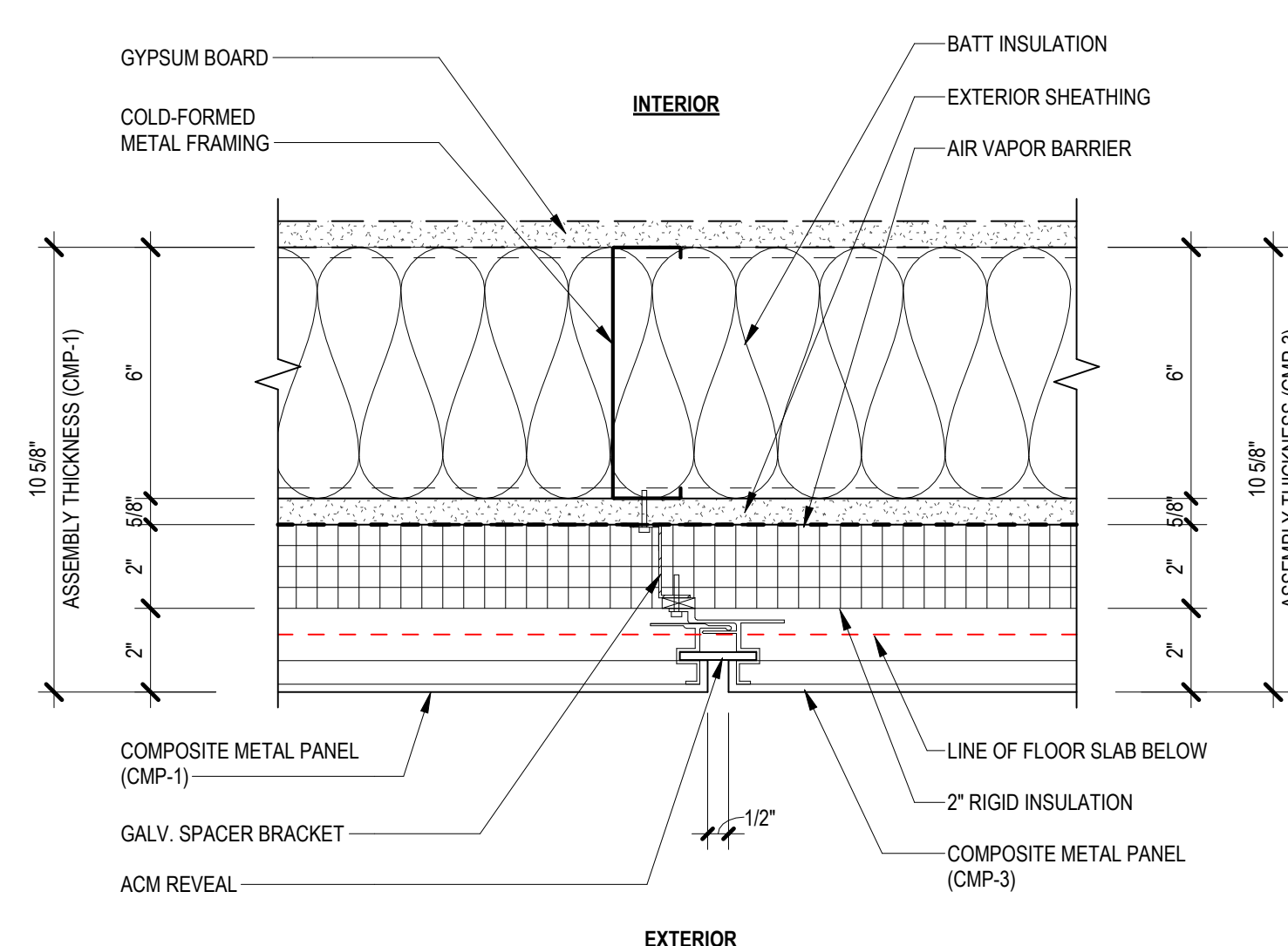
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**ENLARGED ELEVATIONS AND WALL PLANS - BUILDING NO.1 EAST**

Sheet No:  
**A-324A**

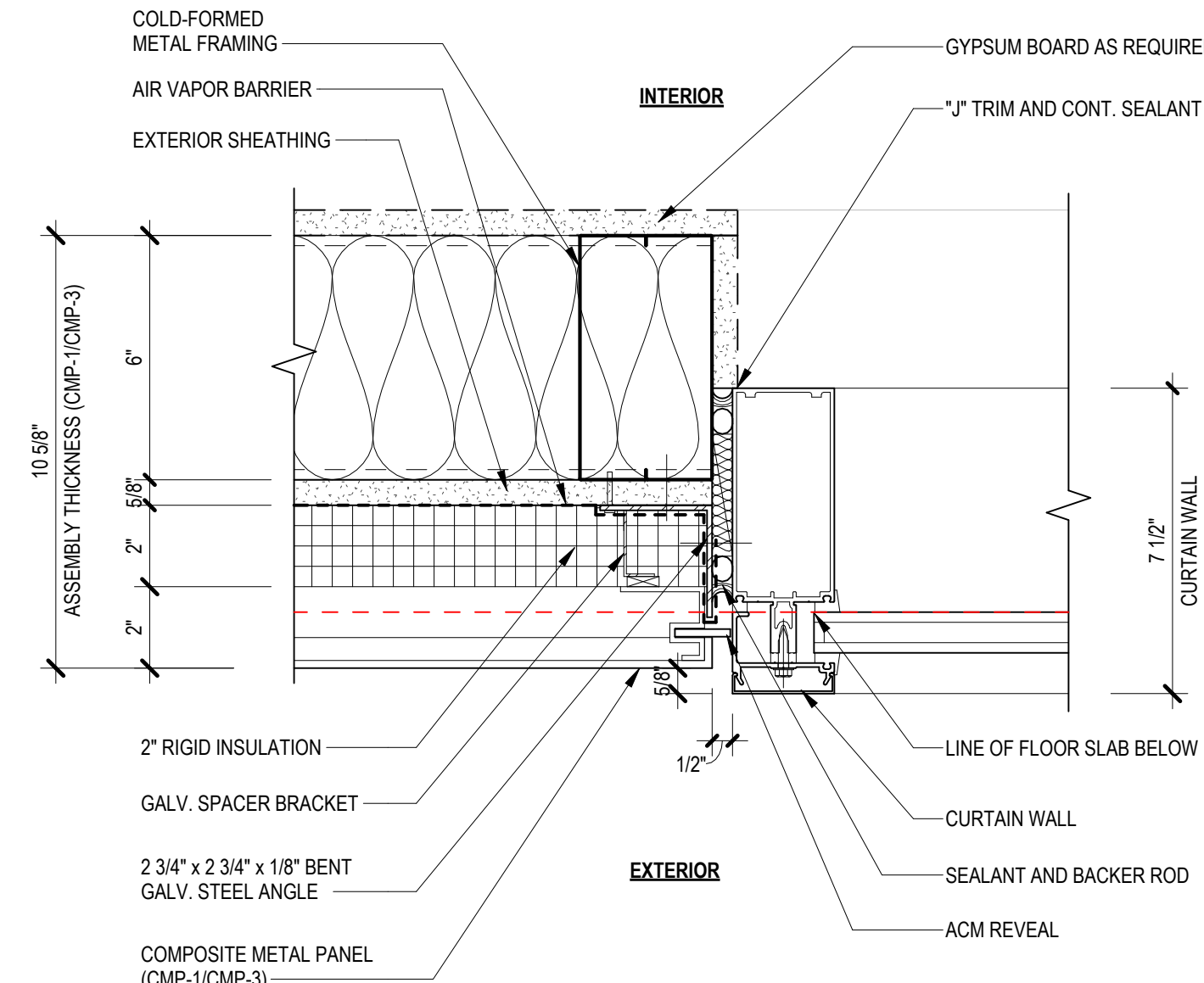




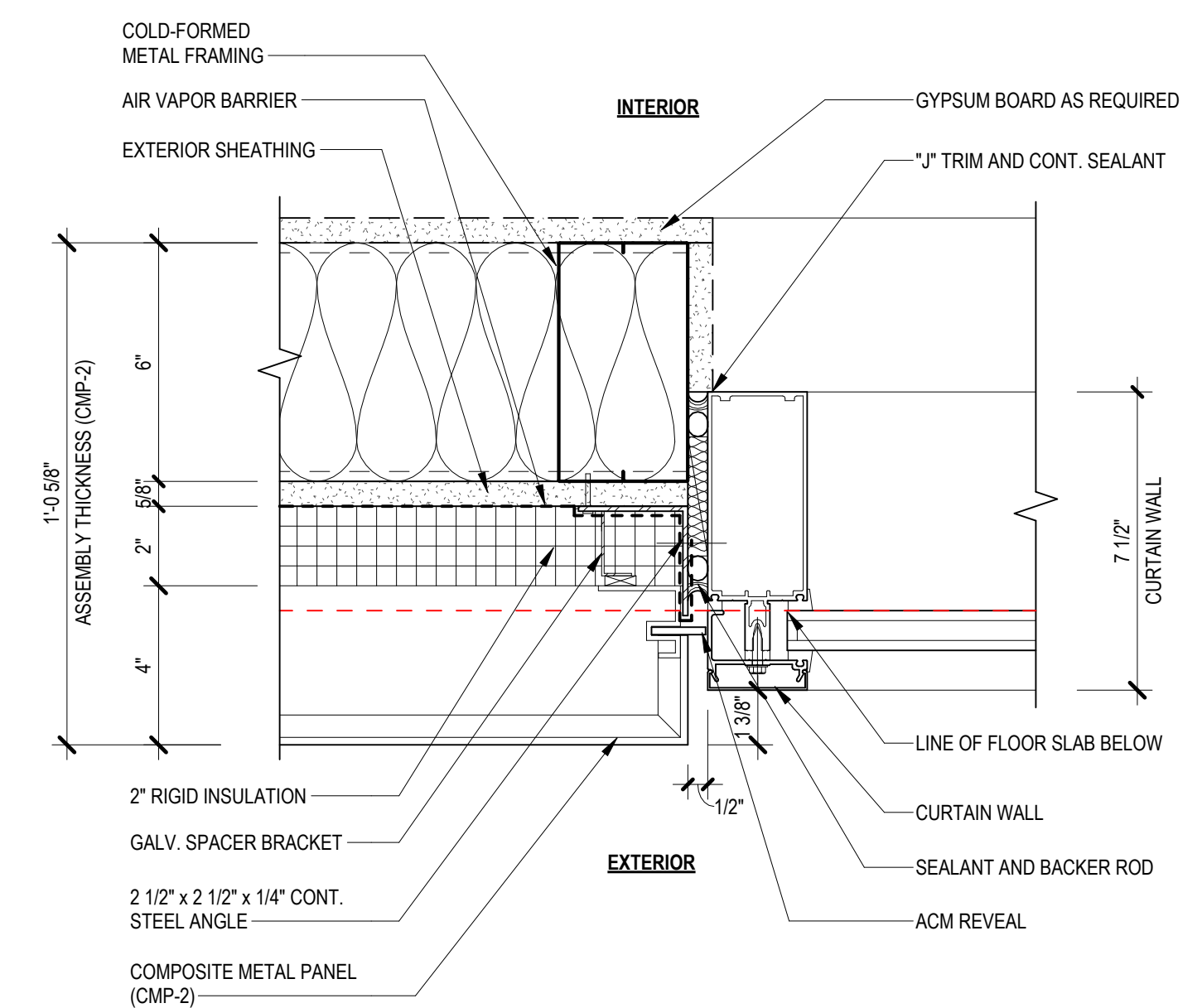
**1** CMP-1/CMP-3 AND CMP-2 PLAN DETAIL  
SCALE: 3" = 1'-0"



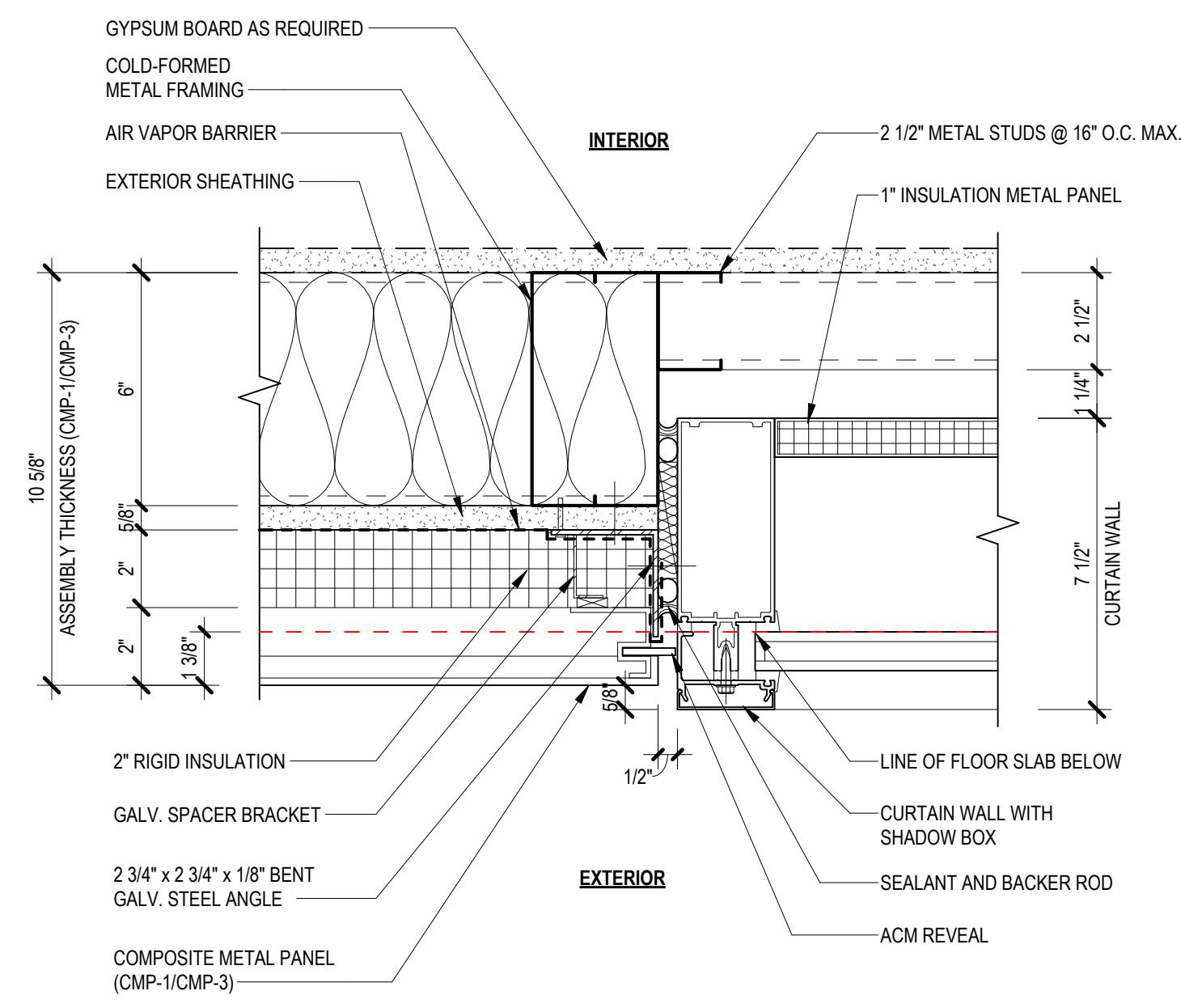
**2** CMP-1 AND CMP-3 PLAN DETAIL  
SCALE: 3" = 1'-0"



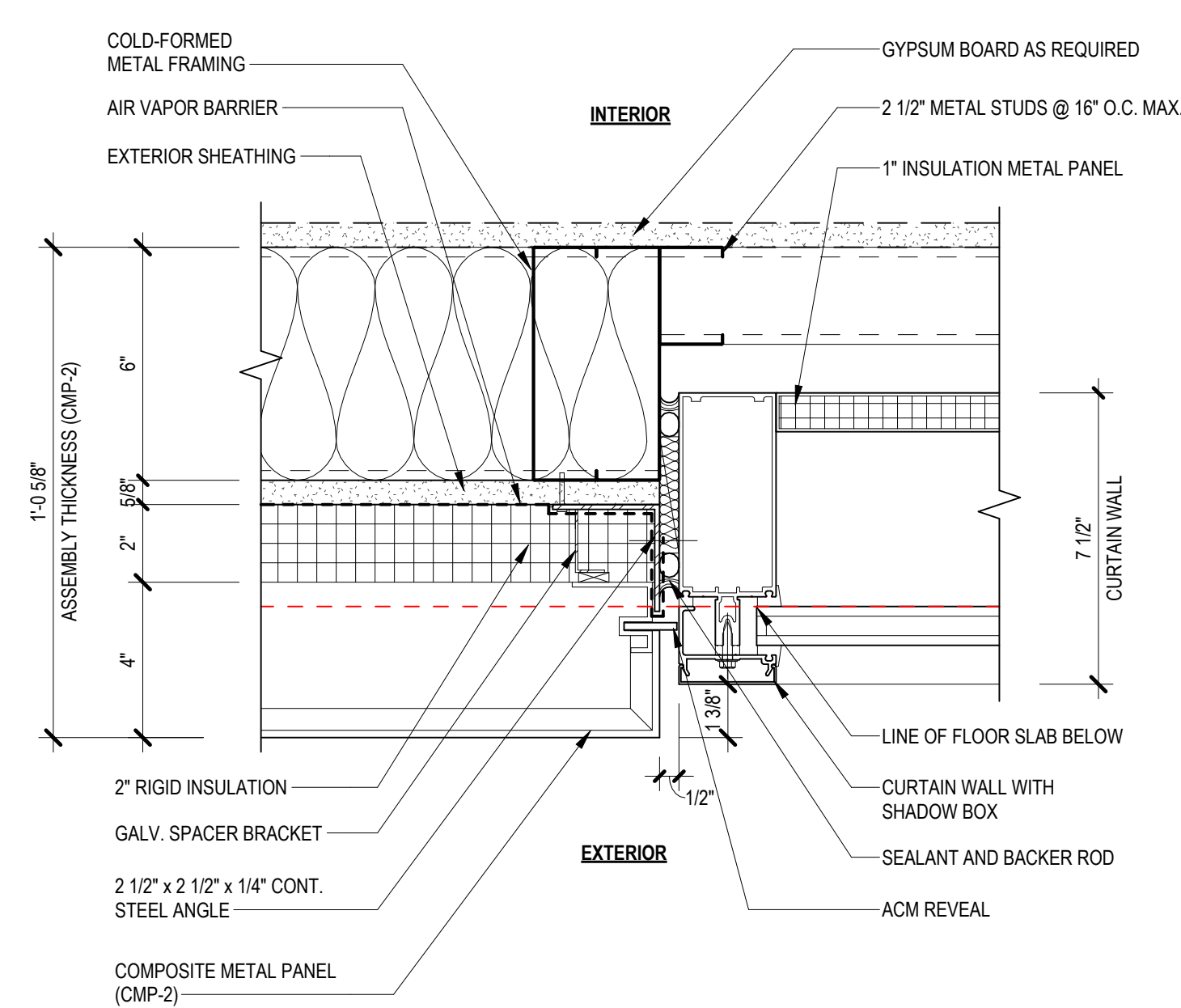
**3** CMP-1/3 AND CURTAIN WALL PLAN DETAIL  
SCALE: 3" = 1'-0"



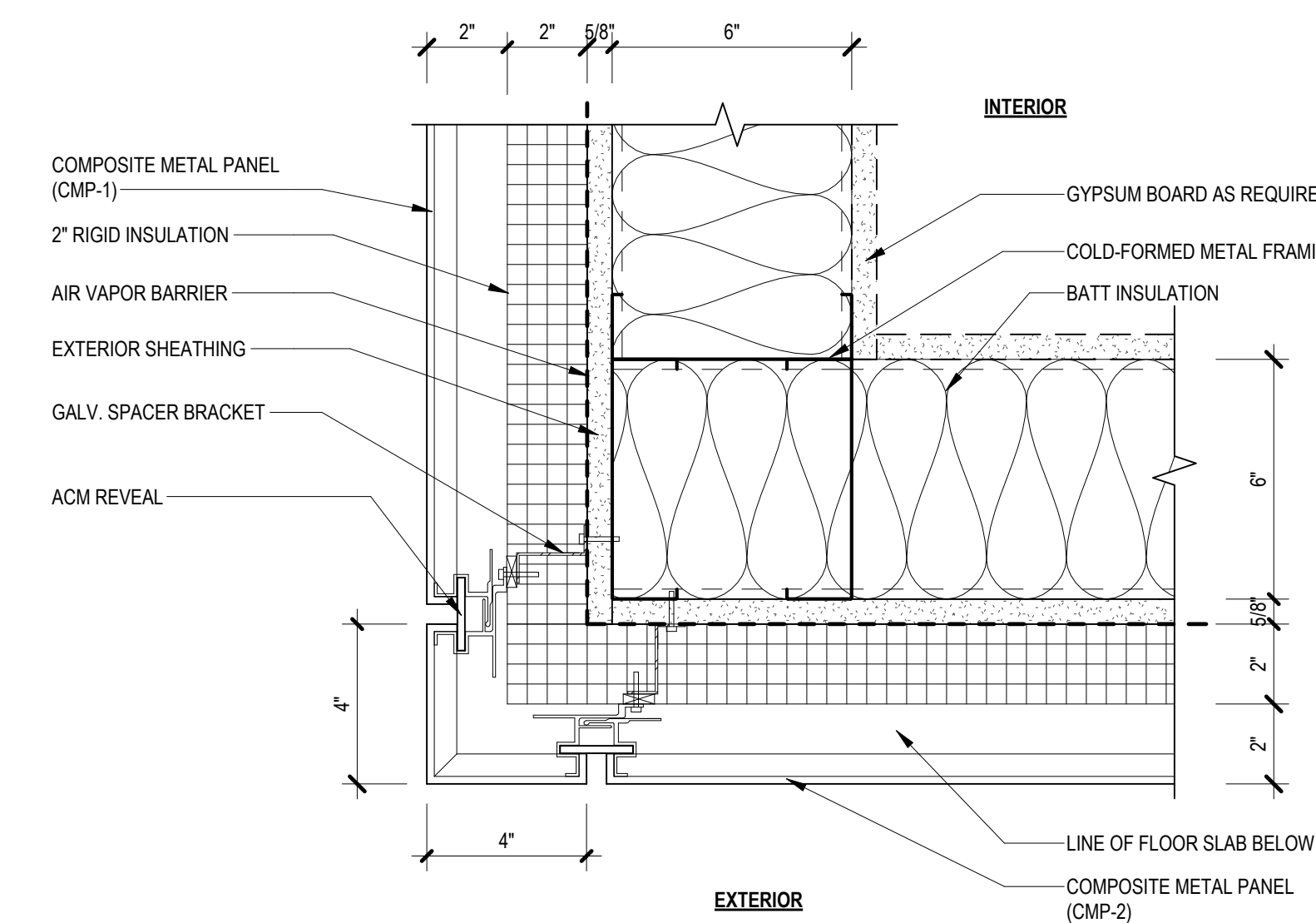
**4** CMP-2 & CURTAIN WALL PLAN DETAIL  
SCALE: 3" = 1'-0"



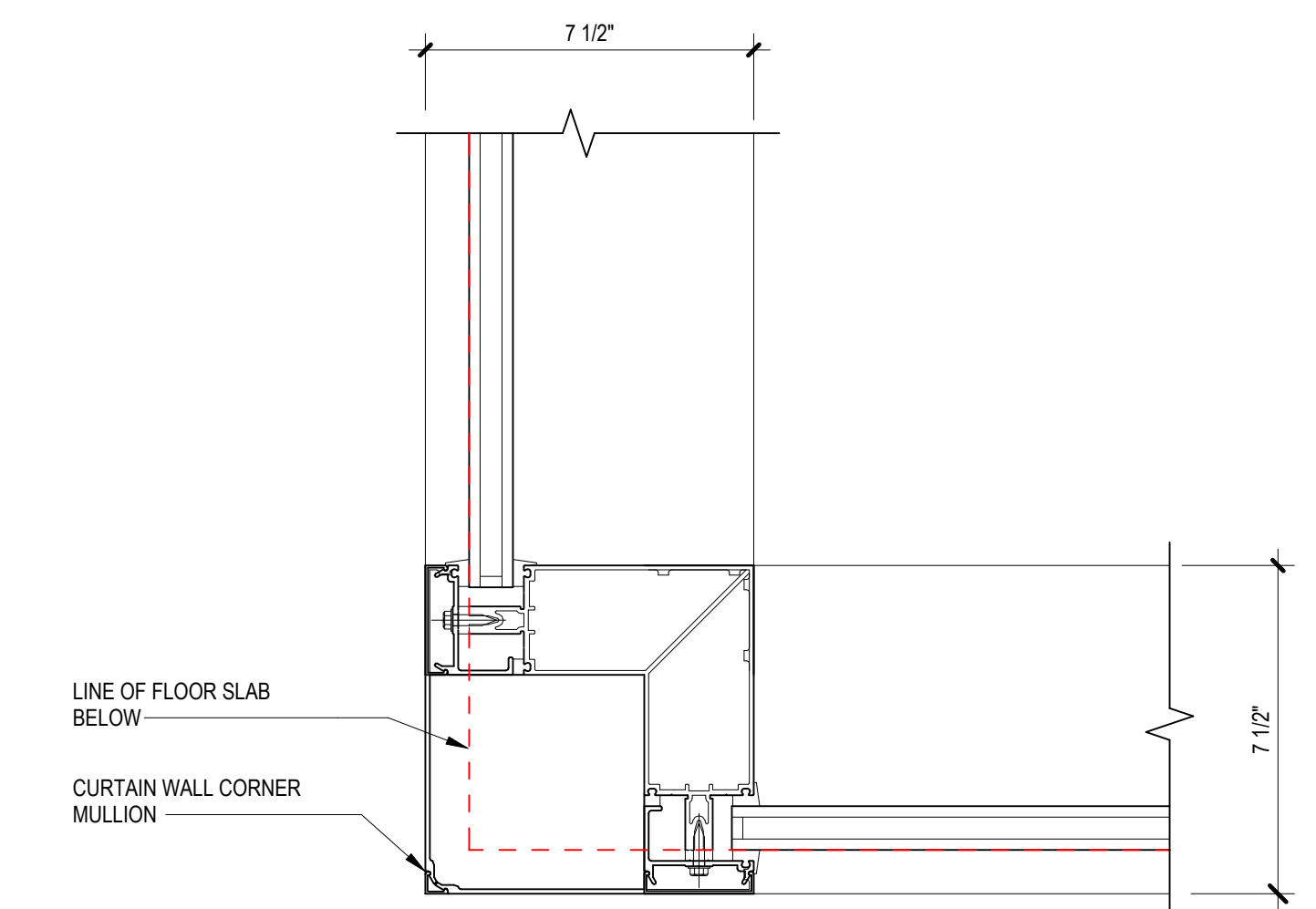
**5** CMP-1/CMP-3 AND CURTAIN WALL WITH SHADOW BOX PLAN DETAIL  
SCALE: 3" = 1'-0"



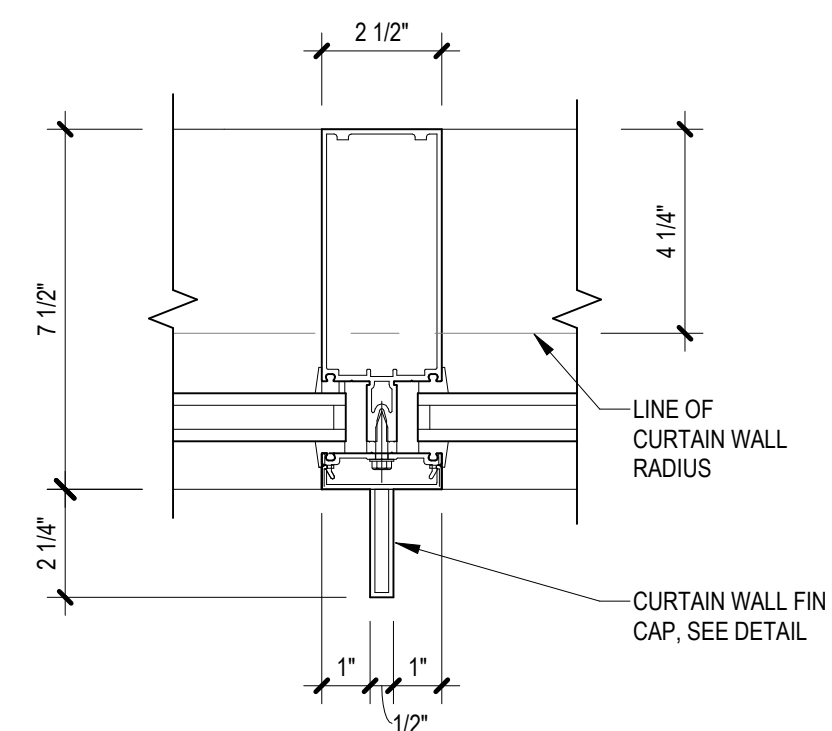
**6** CMP-2 & CURTAIN WALL WITH SHADOW BOX PLAN DETAIL  
SCALE: 3" = 1'-0"



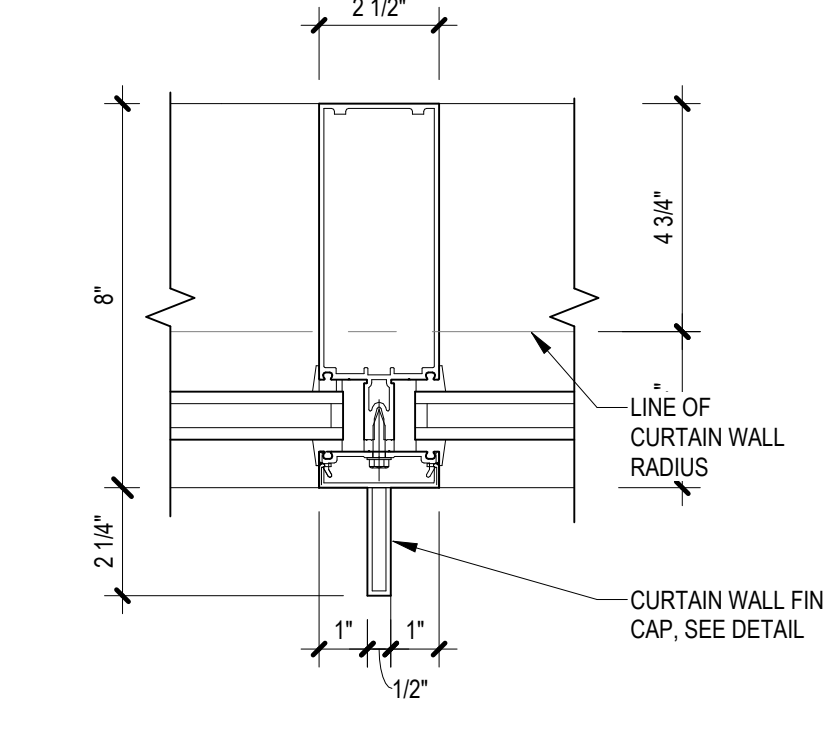
**7** CMP CORNER PLAN DETAIL  
SCALE: 3" = 1'-0"



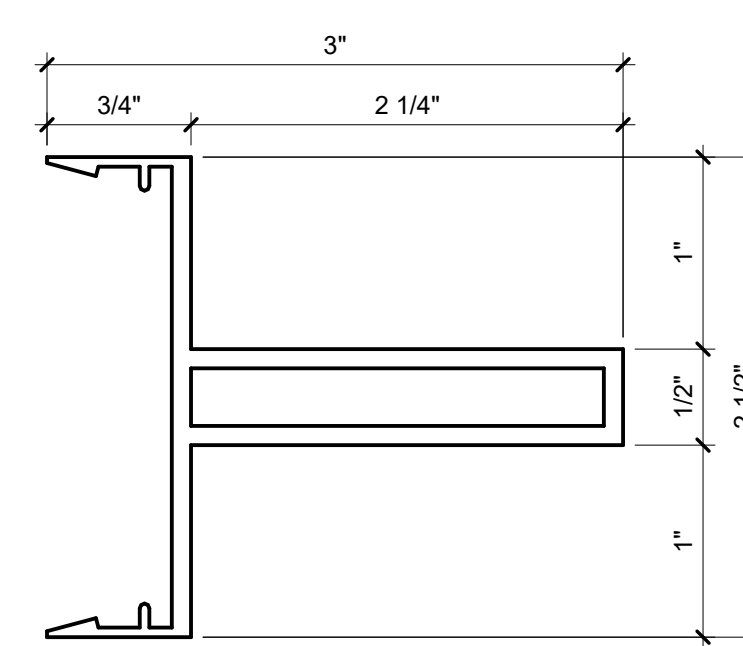
**8** CURTAIN WALL CORNER MULLION PLAN DETAIL  
SCALE: 3" = 1'-0"



**9** CURTAIN WALL VERTICAL MULLION  
SCALE: 3" = 1'-0"

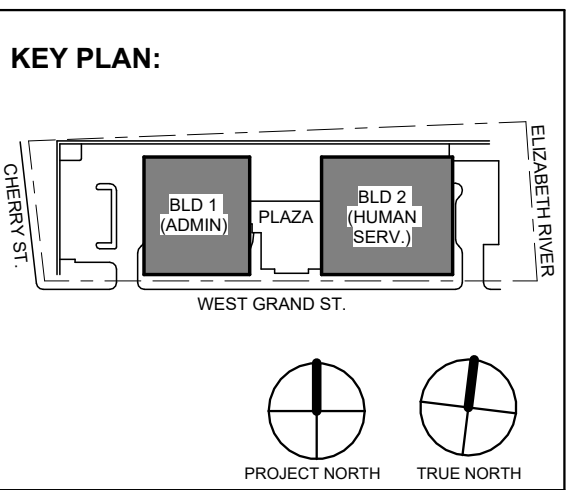


**9A** 2.5" X 8" STOREFRONT @ BLDG. 1 @ LOBBY COMMUNICATING STAIR  
SCALE: 3" = 1'-0"



**10** MULLION COVER  
SCALE: 12" = 1'-0"

**BASIS OF DESIGN:**  
MANUFACTURER: EFCO CORPORATION  
MODEL: MULLION COVER 6605



No.	Date	Description
7	01.12.2024	Addendum No. 7
	11.08.2023	For Public Bid

**DIGroupArchitecture**  
ARCHITECTURE FOR CHANGE  
15 Bethany Street • New Brunswick, NJ 08901 • T. 732.249.6242  
2450 W Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400  
Jeffrey D. Venezia, AIA  
NJ RA AI 09827100

Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

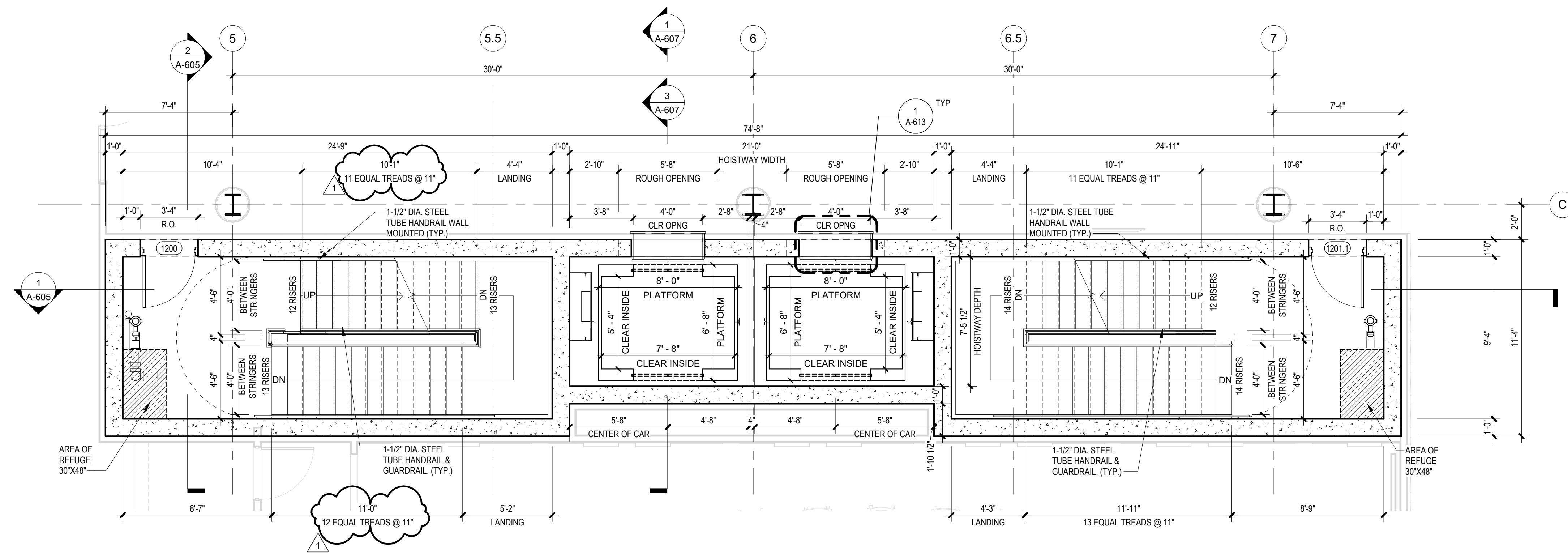
Project:  
**UNION COUNTY GOVERNMENT COMPLEX**  
81 & 93 WEST GRAND STREET  
CITY OF ELIZABETH  
NEW JERSEY, 07202

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

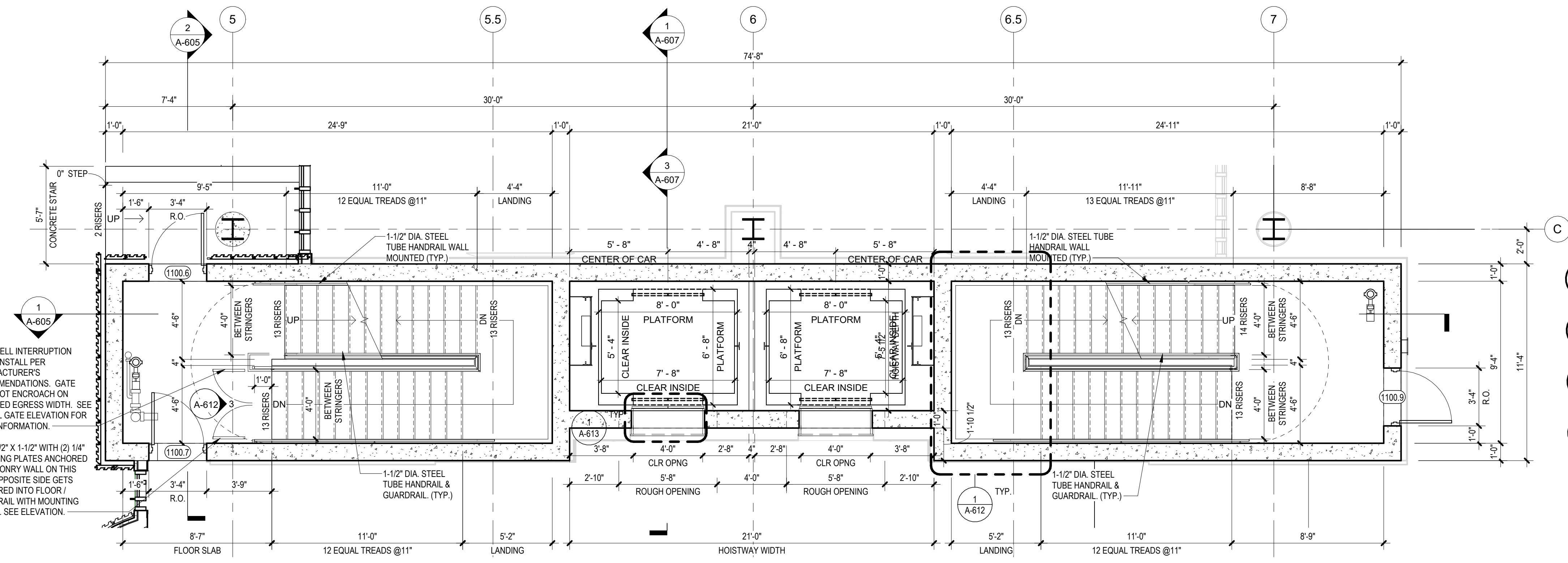
Sheet Name:  
**EXTERIOR WALL ASSEMBLY TYPICAL PLAN DETAILS**

Sheet No:  
**A-350**

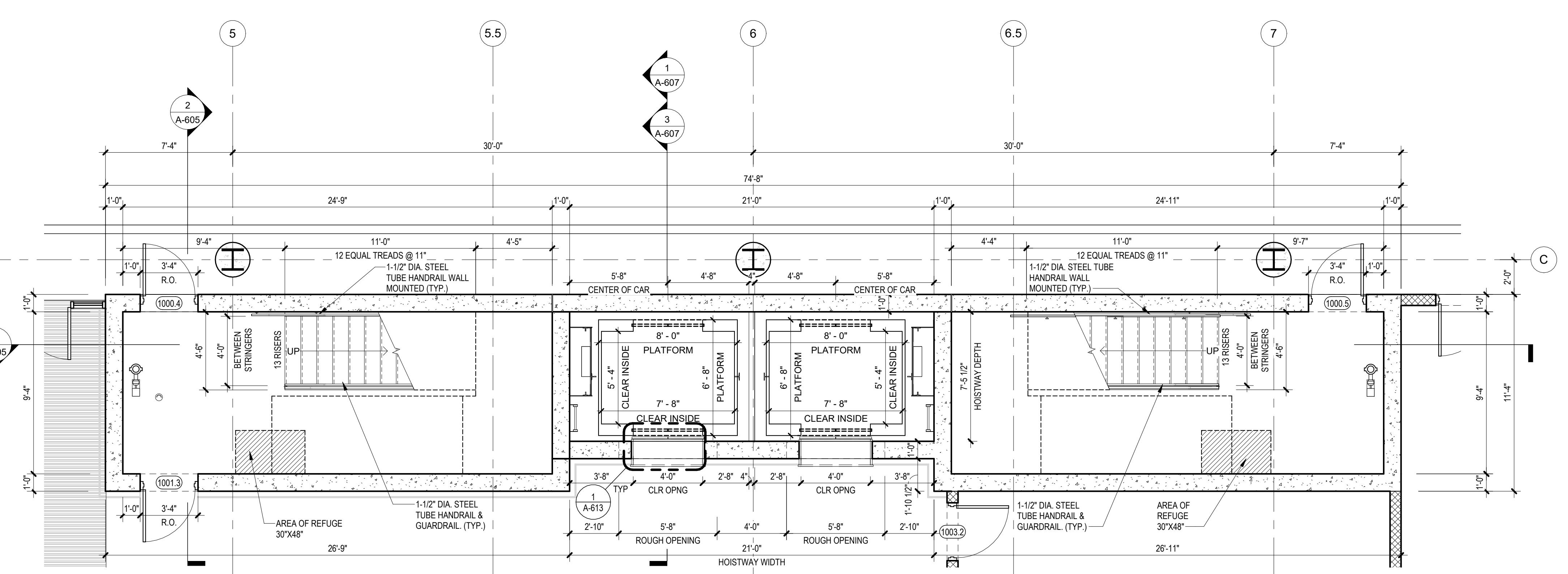




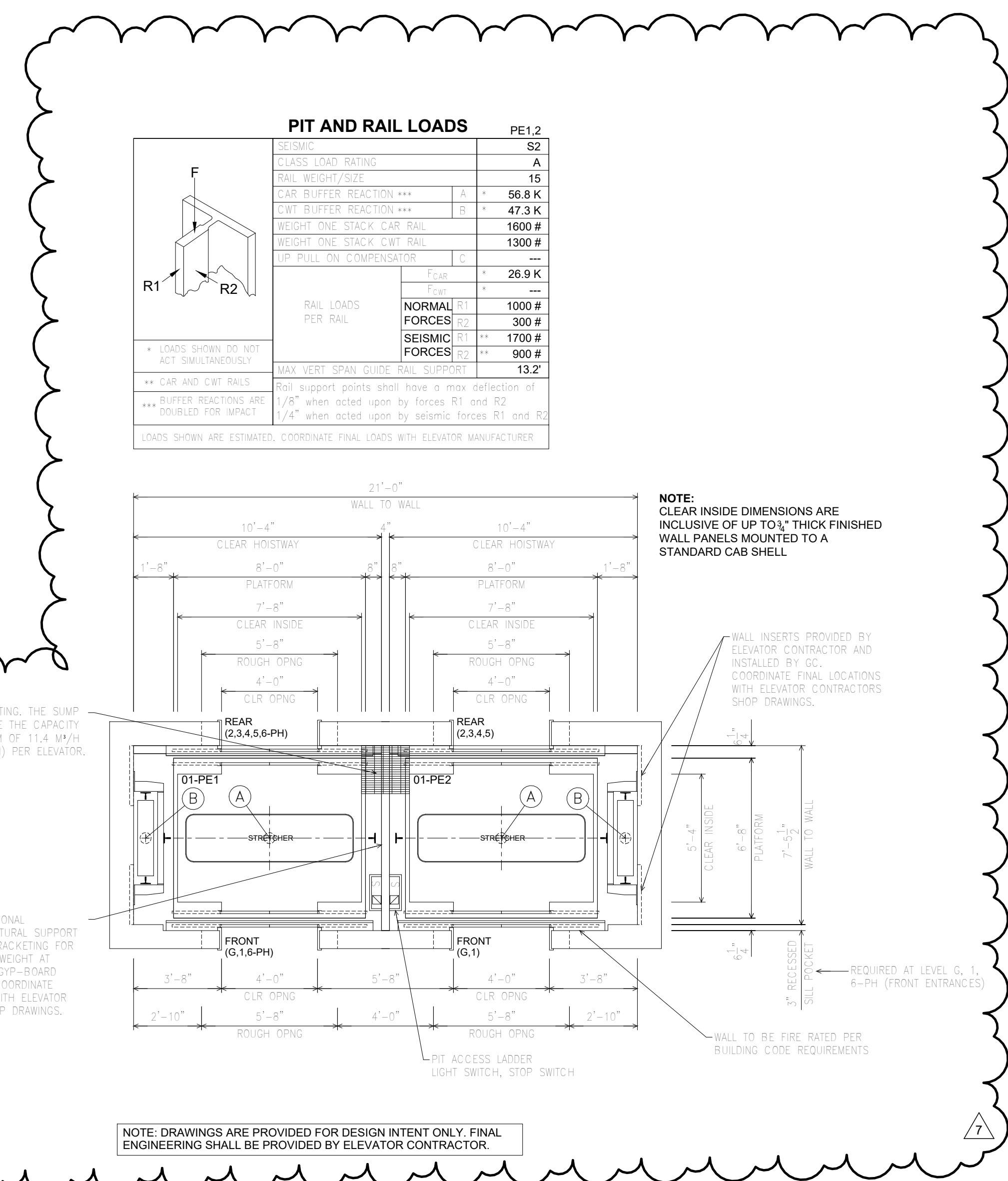
**1 BLDG 1 - STAIR 01, 02 & ELEVATORS - LEVEL 2 PLAN**  
SCALE: 1/4" = 1'-0"



**2 BLDG 1 - STAIR 01, 02 & ELEVATORS - LEVEL 1 PLAN**  
SCALE: 1/4" = 1'-0"



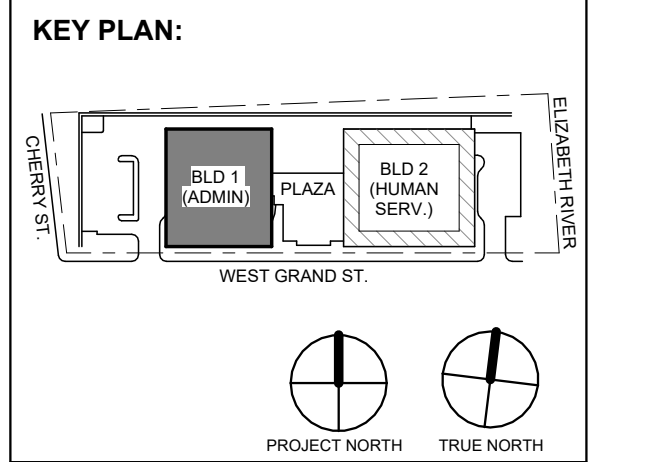
**3 BLDG 1 - STAIR 01, 02 & ELEVATORS - LEVEL 0 (UNDERGROUND) PLAN**  
SCALE: 1/4" = 1'-0"



**4 BLDG 1 - ELEVATOR PIT**  
SCALE: 1/4" = 1'-0"

PIT AND RAIL LOADS		PE1.2
CLASS LOAD RATING		A2
RAIL WEIGHT/SIZE		A
CAR BUFFER REACTION ***	A	56.8 K
COIL BUFFER REACTION ***	B	47.3 K
WEIGHT ONE STACK CAR RAIL		1600 #
WEIGHT ONE STACK CAR RAIL		1300 #
CAR PULL ON COMPENSATOR	C	26.9 K
RAIL LOADS PER RAIL	NORMAL ST	1000 #
	FORCES R2	300 #
SEISMIC FORCES R1	R2	1700 #
	R3	900 #
MAX VERT SPAN GUIDE RAIL SUPPORT		13.2'

LOADS SHOWN DO NOT ACT SIMULTANEOUSLY  
 \*\*\* CAR AND COIL RAILS  
 \*\*\* BUFFER REACTION AND DOUBLE TYP IMPACT  
 LOADS SHOWN ARE ESTIMATED. COORDINATE FINAL LOADS WITH ELEVATOR MANUFACTURER



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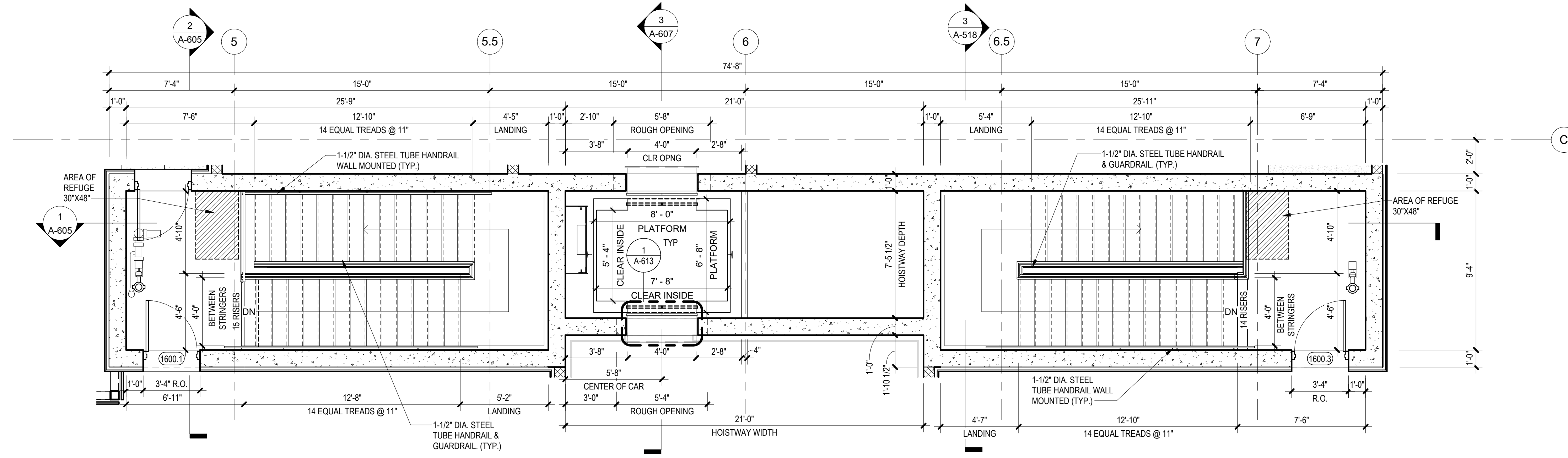
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CITY OF ELIZABETH  
NEW JERSEY 07202

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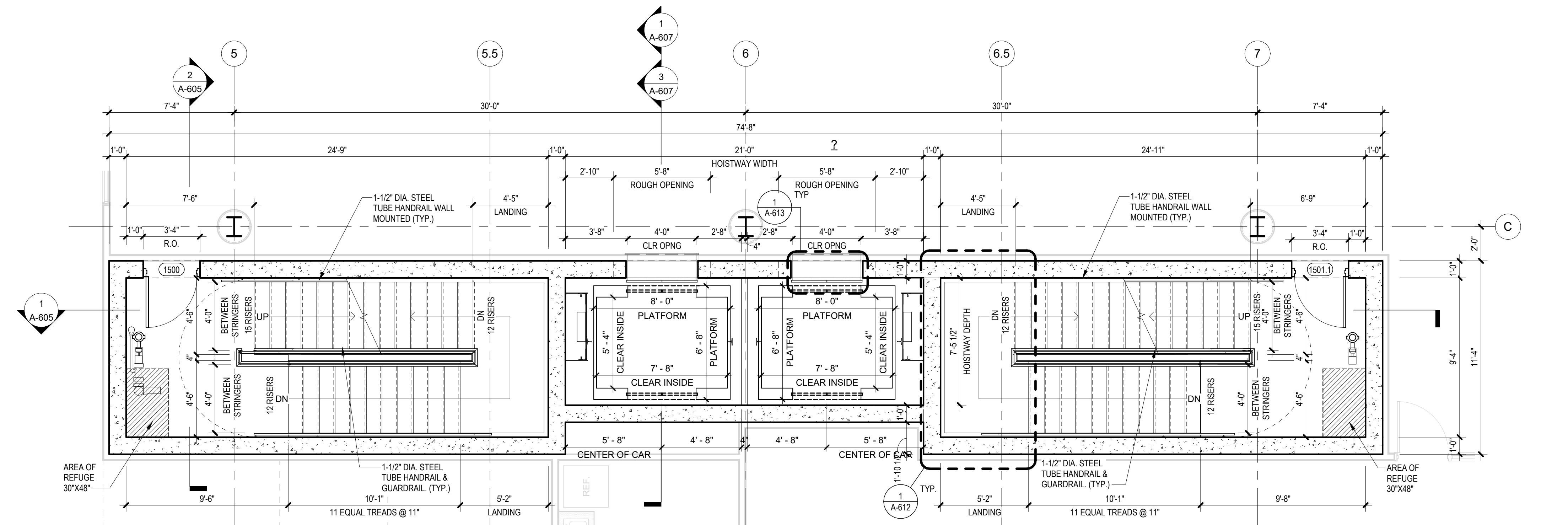
Sheet Name:  
**BUILDING NO. 1 - VERTICAL CIRCULATION**

Sheet No:  
**A-601**

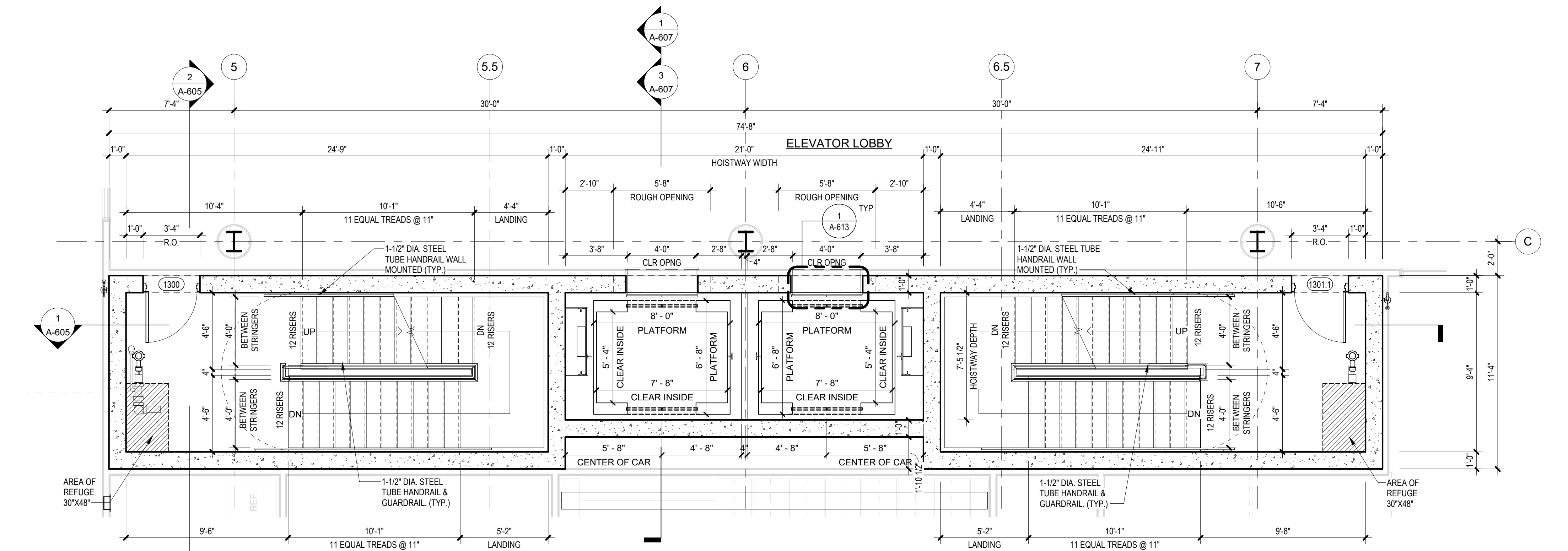




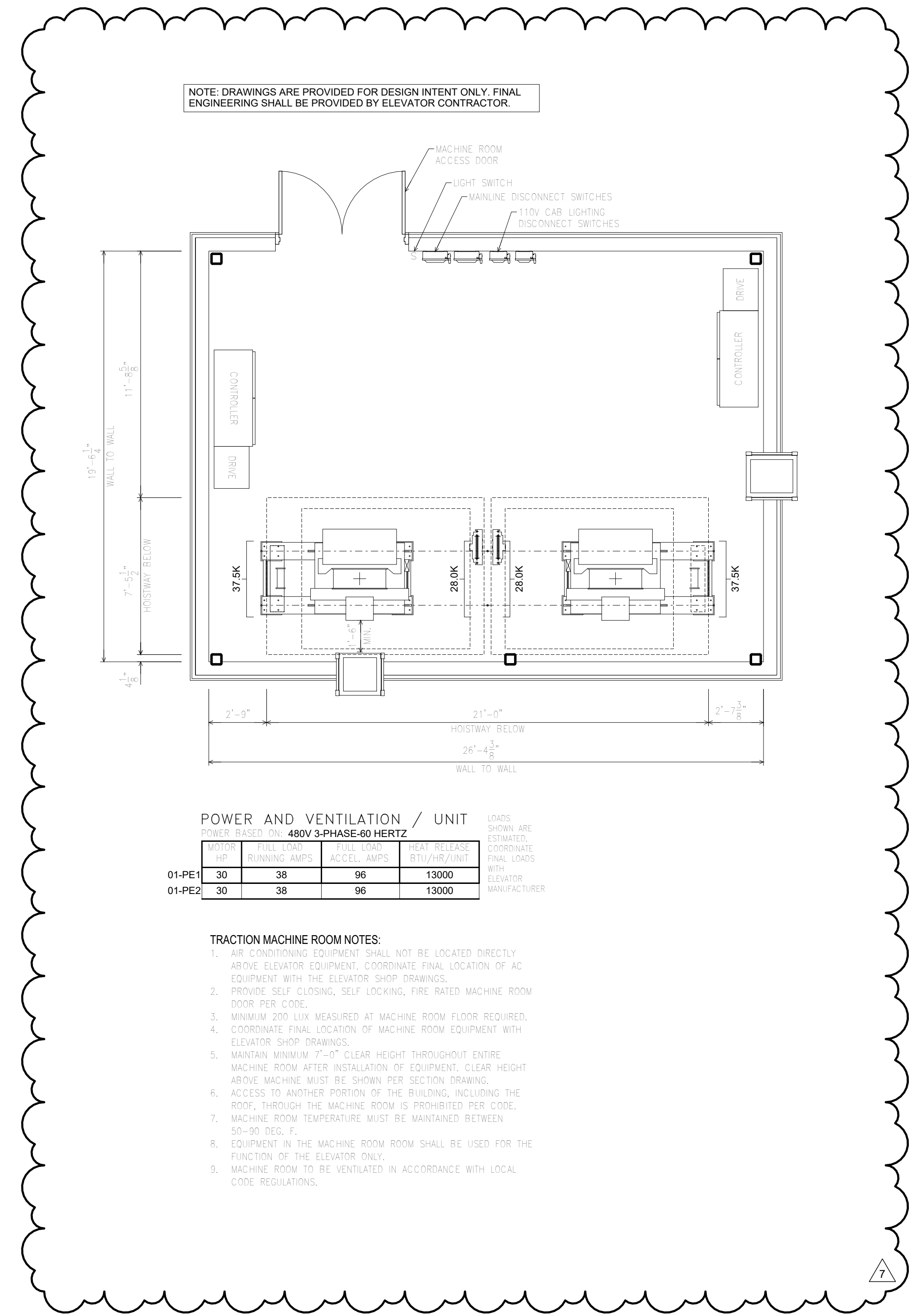
**1 BLDG 1 - STAIR 01, 02 & ELEVATORS - ROOF PLAN**  
SCALE: 1/4" = 1'-0"



**2 BLDG 1 - STAIR 01, 02 & ELEVATORS - LEVEL 5 PLAN**  
SCALE: 1/4" = 1'-0"



**3 BLDG 1 - STAIR 01, 02 & ELEVATORS - TYP. LEVEL 3 & 4 PLAN**  
SCALE: 1/4" = 1'-0"



**POWER AND VENTILATION / UNIT**

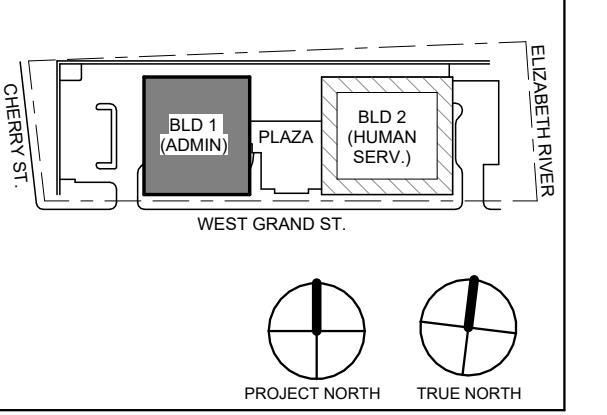
UNIT	POWER (KW)	FUEL (GPH)	FUEL (GAL)	HEAT (BTU)	LOADS (TONS)
01-PE1	30	38	96	13000	
01-PE2	30	38	96	13000	

LOADS SHOWN ARE ESTIMATED. COORDINATE FINAL LOADS WITH ELEVATOR MANUFACTURER.

**TRACTION MACHINE ROOM NOTES:**

1. ALL EQUIPMENT COMPONENTS SHALL NOT BE LOCATED DIRECTLY ABOVE ELEVATOR EQUIPMENT. COORDINATE FINAL LOCATION OF AC EQUIPMENT WITH THE ELEVATOR SHOP DRAWINGS.
2. PROVIDE SELF-CLOSING, SELF-LOCKING, FIRE-RATED MACHINE ROOM DOOR PER CODE.
3. MINIMUM 200 LUX MEASURED AT MACHINE ROOM FLOOR REQUIRED.
4. COORDINATE FINAL LOCATION OF MACHINE ROOM EQUIPMENT WITH ELEVATOR SHOP DRAWINGS.
5. MAINTAIN MINIMUM 7'-0" CLEAR HEIGHT THROUGHOUT ENTIRE MACHINE ROOM AFTER INSTALLATION OF EQUIPMENT. CLEAR HEIGHT ABOVE MACHINE MUST BE SHOWN PER SECTION DRAWINGS.
6. ACCESS TO ANOTHER PORTION OF THE BUILDING, INCLUDING THE ROOF, THROUGH THE MACHINE ROOM IS PROHIBITED PER CODE.
7. MACHINE ROOM TEMPERATURE MUST BE MAINTAINED BETWEEN 50-90 DEGS F.
8. EQUIPMENT IN THE MACHINE ROOM SHALL BE USED FOR THE FUNCTION OF THE ELEVATOR ONLY.
9. MACHINE ROOM TO BE VENTILATED IN ACCORDANCE WITH LOCAL CODE REGULATIONS.

**KEY PLAN:**



No.	Date	Description
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NJ RA #A10927100

DO NOT SCALE. DRAWING MAY BE PRINTED AT REDUCED SCALE. CONSULT WITH ARCHITECT FOR DIMENSIONS.

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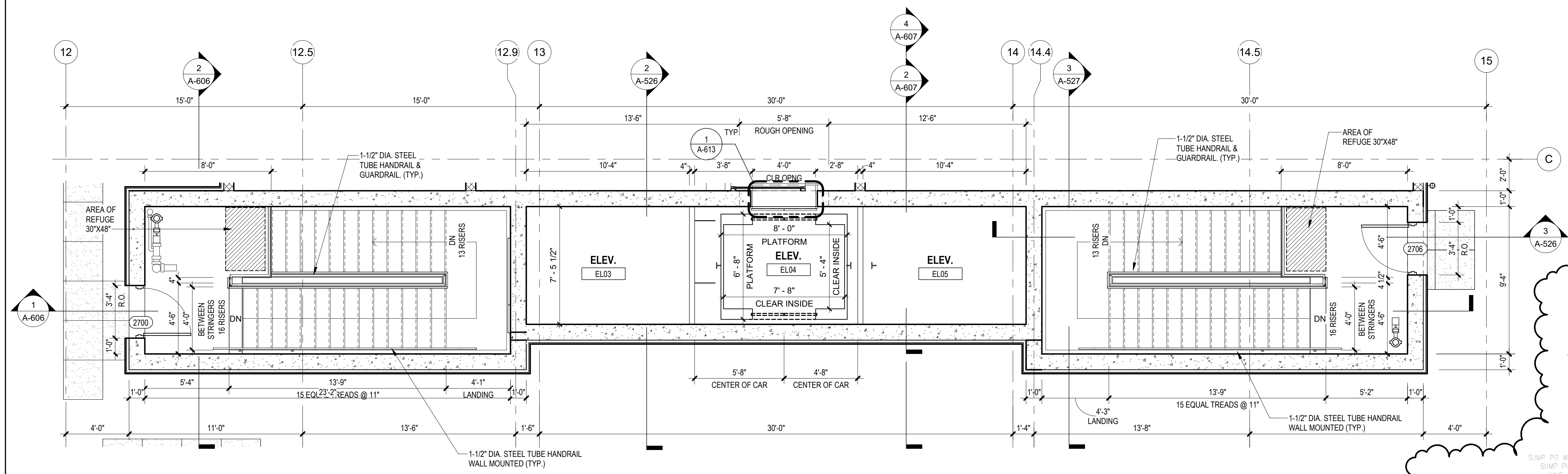
Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: JB / AV / PC  
Checked By: JM / SH

Sheet Name:  
**BUILDING NO. 1 - VERTICAL CIRCULATION**

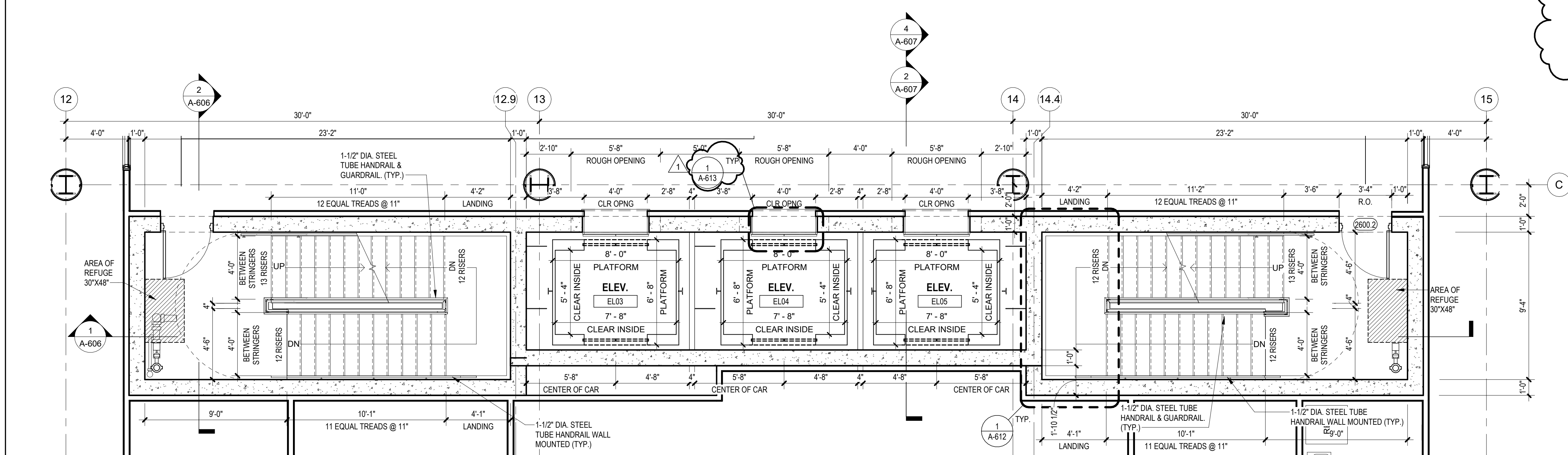
Sheet No:

**A-602**

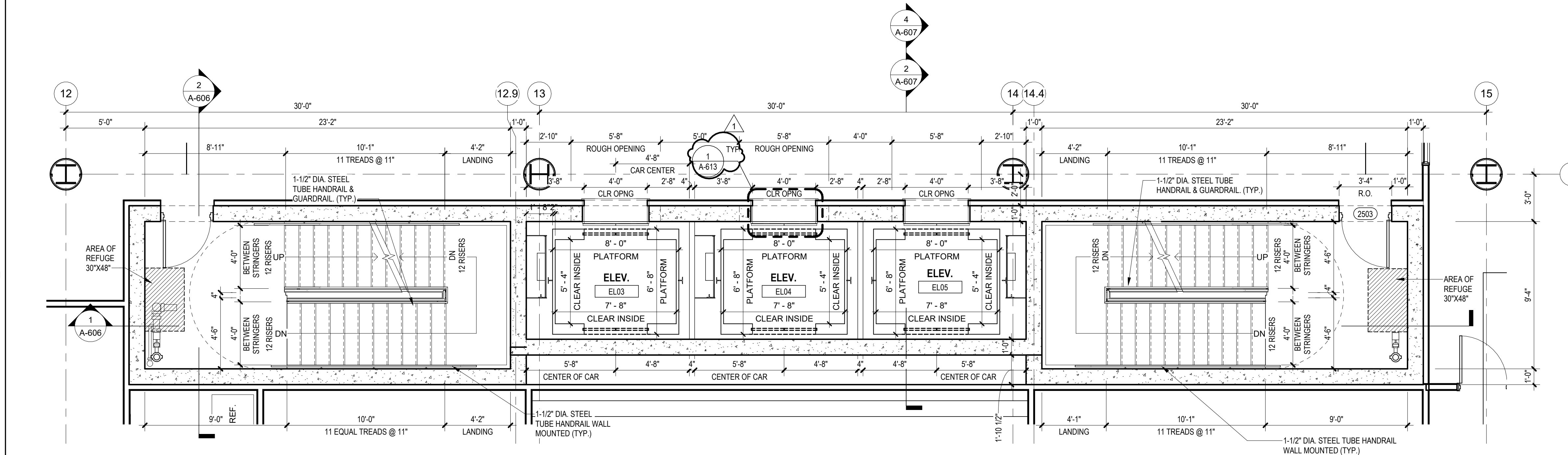




**1 BLDG 2 - ROOF VERTICAL CIRCULATION**  
SCALE: 1/4" = 1'-0"



**2 BLDG 2 - LEVEL 6 VERTICAL CIRCULATION**  
SCALE: 1/4" = 1'-0"



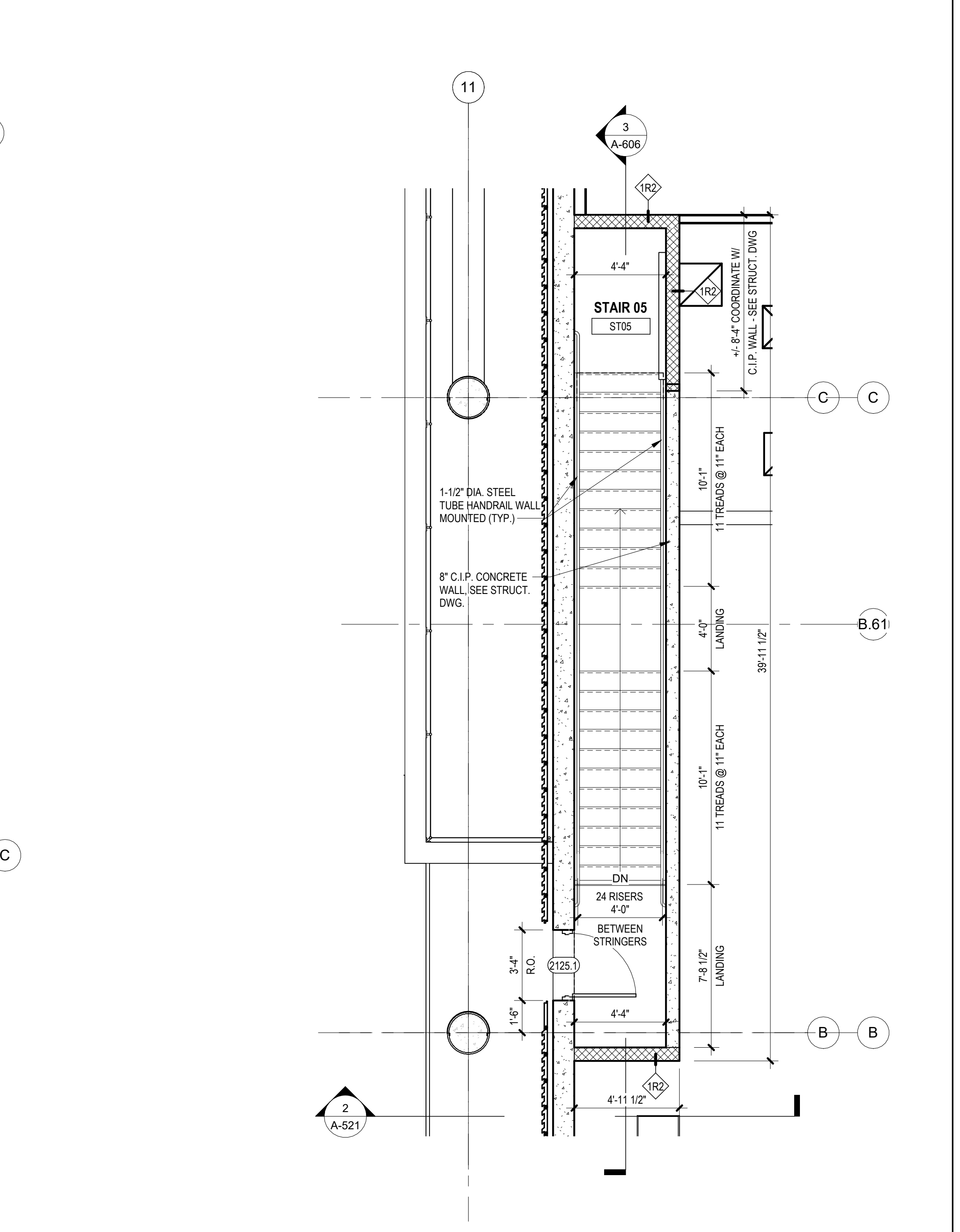
**3 BLDG 2 - LEVEL 5 VERTICAL CIRCULATION**  
SCALE: 1/4" = 1'-0"

**PIT AND RAIL LOADS** PE3.4.5

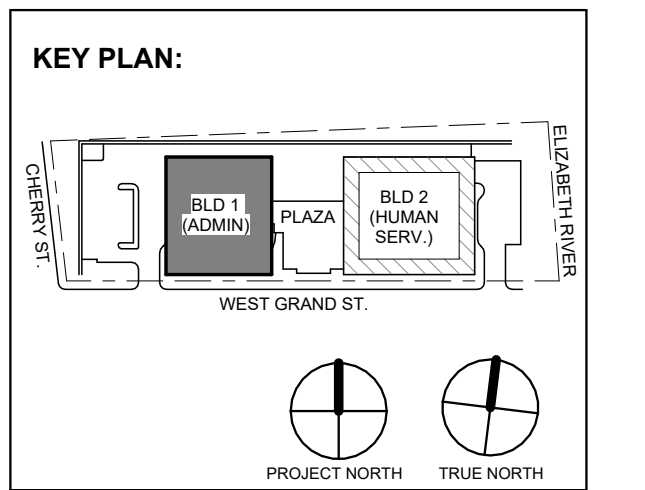
SEISMIC CLASS LOAD RATING	S2
MIN. BEARING CAPACITY	1.5
CAR BUFFER REACTION ***	A • 56.8 K
CWT BUFFER REACTION ***	B • 47.3 K
WEIGHT ONE STACK CAB RAIL	1900 #
WEIGHT ONE STACK CWT RAIL	1500 #
UP PULL ON COMPENSATOR	C
***	28.9 K
RAIL LOADS PER RAIL	NORMAL 1000 #
FORCES	300 #
SEISMIC FORCES	1700 #
300 #	900 #
1.5 11"	1.5 11"

**NOTE:** CLEAR INSIDE DIMENSIONS ARE INCLUSIVE OF UP TO 3" THICK FINISHED WALL PANELS MOUNTED TO A STANDARD CAB SHELL.

**NOTE:** DRAWINGS ARE PROVIDED FOR DESIGN INTENT ONLY. FINAL ENGINEERING SHALL BE PROVIDED BY ELEVATOR CONTRACTOR.



**5 BLDG 2 - LEVEL 1 STAIR 05**  
SCALE: 1/4" = 1'-0"



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Revisions / Issues

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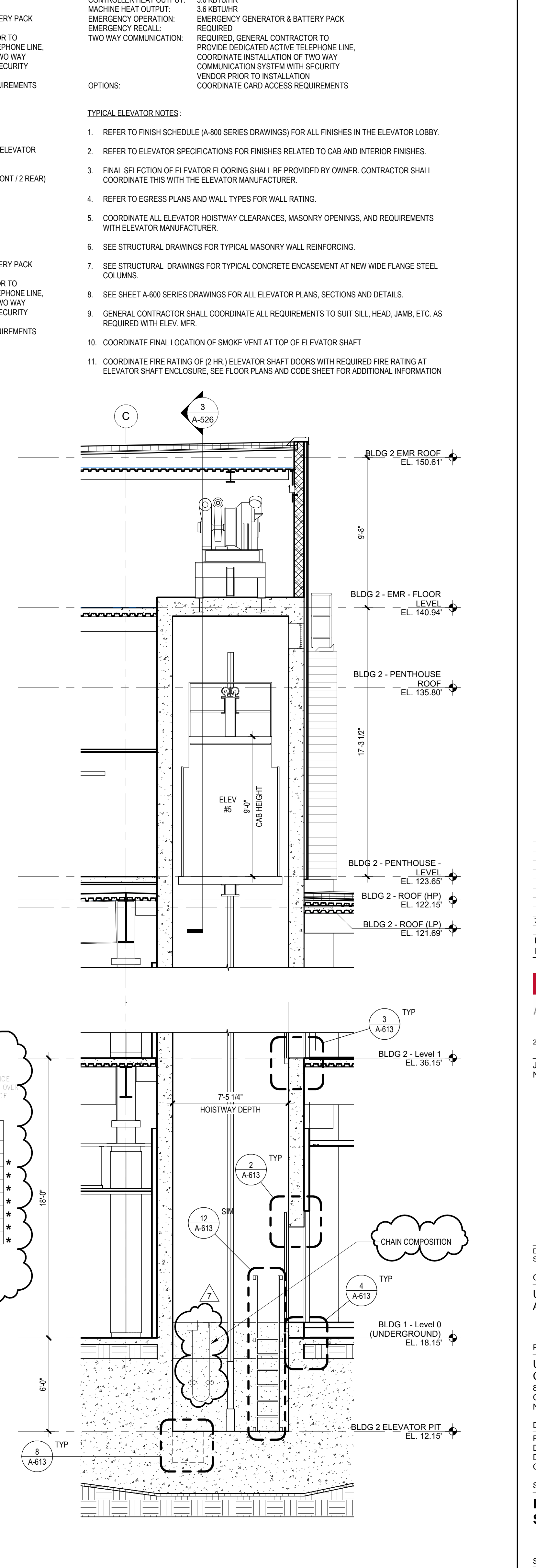
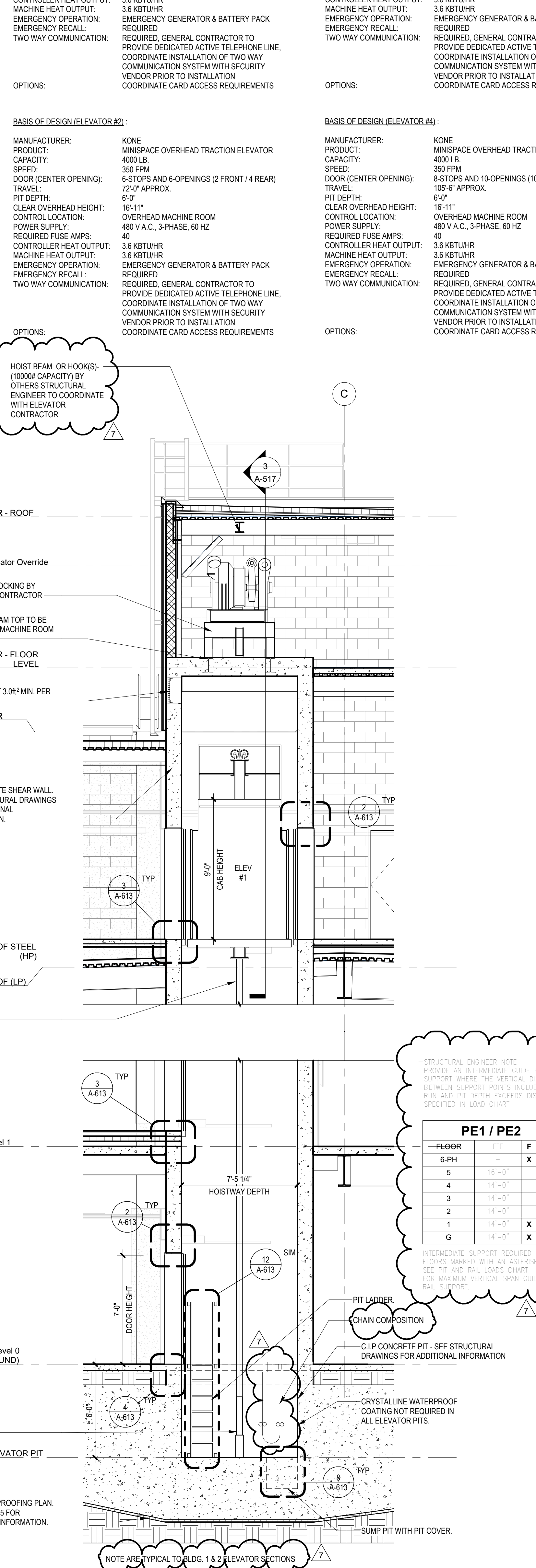
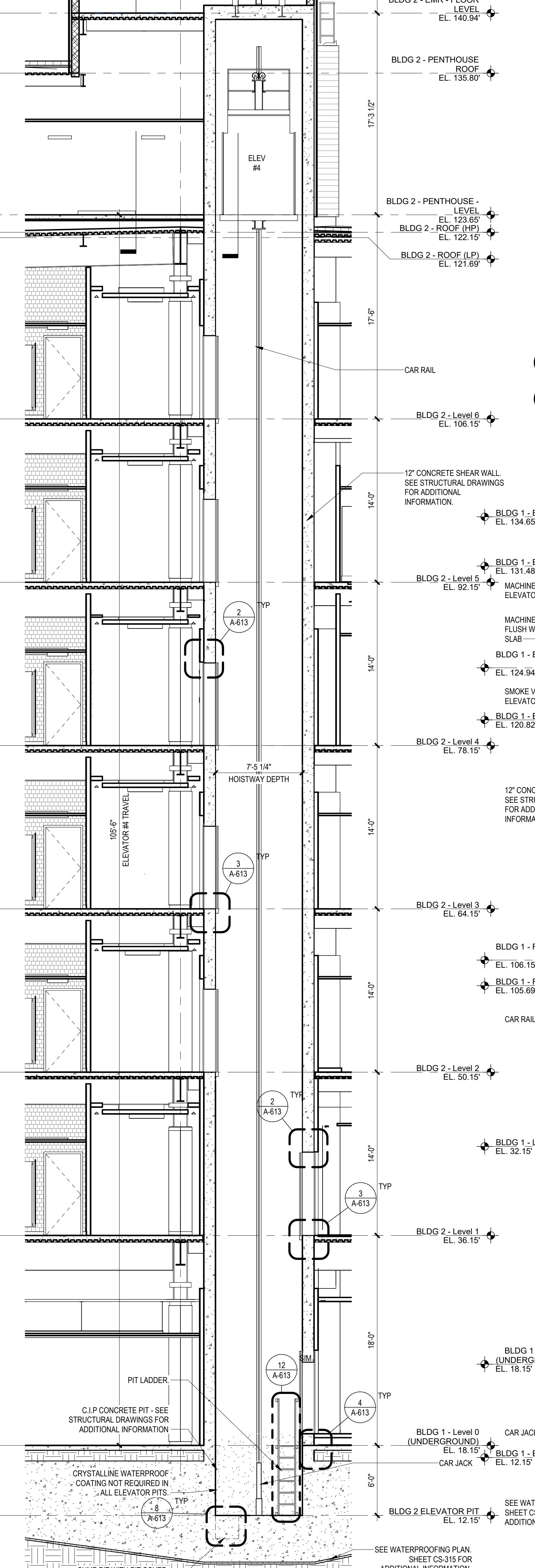
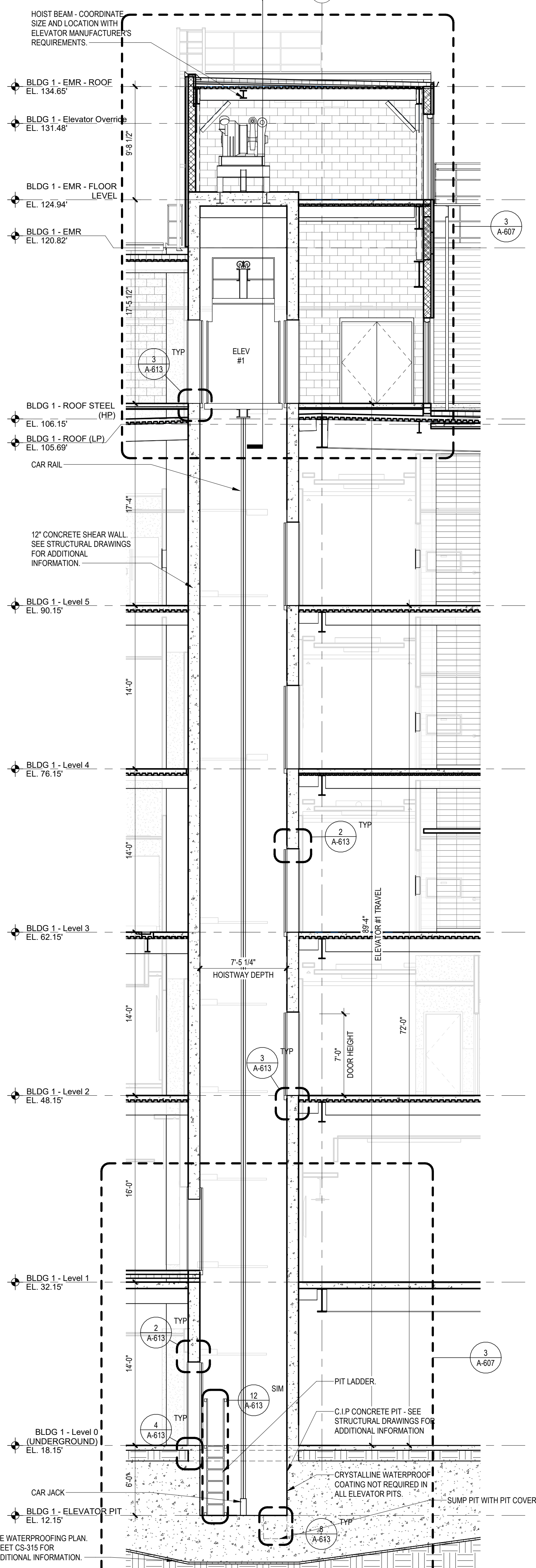
Sheet Name:  
**BUILDING NO. 2 - VERTICAL CIRCULATION**

Sheet No:  
**A-604**









**BASIS OF DESIGN (ELEVATOR #1):**  
 MANUFACTURER: KONE  
 PRODUCT: MINISPACE OVERHEAD TRACTION ELEVATOR  
 CAPACITY: 4000 LB.  
 SPEED: 350 FPM  
 DOOR (CENTER OPENING): 7-STOPS AND 8-OPENINGS (3 FRONT / 5 REAR)  
 TRAVEL: 89'-4" APPROX.  
 PIT DEPTH: 6'-0"  
 CLEAR OVERHEAD HEIGHT: 16'-11"  
 CONTROL LOCATION: OVERHEAD MACHINE ROOM  
 POWER SUPPLY: 480 V A.C., 3-PHASE, 60 HZ  
 REQUIRED FUSE AMPS: 40  
 CONTROLLER HEAT OUTPUT: 3.6 KBTUHR  
 MACHINE HEAT OUTPUT: 3.6 KBTUHR  
 EMERGENCY OPERATION: EMERGENCY GENERATOR & BATTERY PACK REQUIRED  
 EMERGENCY RECALL: REQUIRED  
 TWO WAY COMMUNICATION: REQUIRED, GENERAL CONTRACTOR TO PROVIDE DEDICATED ACTIVE TELEPHONE LINE, COORDINATE INSTALLATION OF TWO WAY COMMUNICATION SYSTEM WITH SECURITY VENDOR PRIOR TO INSTALLATION  
 COORDINATE CARD ACCESS REQUIREMENTS

**BASIS OF DESIGN (ELEVATOR #2):**  
 MANUFACTURER: KONE  
 PRODUCT: MINISPACE OVERHEAD TRACTION ELEVATOR  
 CAPACITY: 4000 LB.  
 SPEED: 350 FPM  
 DOOR (CENTER OPENING): 6-STOPS AND 6-OPENINGS (2 FRONT / 4 REAR)  
 TRAVEL: 72'-0" APPROX.  
 PIT DEPTH: 6'-0"  
 CLEAR OVERHEAD HEIGHT: 16'-11"  
 CONTROL LOCATION: OVERHEAD MACHINE ROOM  
 POWER SUPPLY: 480 V A.C., 3-PHASE, 60 HZ  
 REQUIRED FUSE AMPS: 40  
 CONTROLLER HEAT OUTPUT: 3.6 KBTUHR  
 MACHINE HEAT OUTPUT: 3.6 KBTUHR  
 EMERGENCY OPERATION: EMERGENCY GENERATOR & BATTERY PACK REQUIRED  
 EMERGENCY RECALL: REQUIRED  
 TWO WAY COMMUNICATION: REQUIRED, GENERAL CONTRACTOR TO PROVIDE DEDICATED ACTIVE TELEPHONE LINE, COORDINATE INSTALLATION OF TWO WAY COMMUNICATION SYSTEM WITH SECURITY VENDOR PRIOR TO INSTALLATION  
 COORDINATE CARD ACCESS REQUIREMENTS

**BASIS OF DESIGN (ELEVATOR #3):**  
 MANUFACTURER: KONE  
 PRODUCT: MINISPACE OVERHEAD TRACTION ELEVATOR  
 CAPACITY: 4000 LB.  
 SPEED: 350 FPM  
 DOOR (CENTER OPENING): 7-STOPS AND 7-OPENINGS (ALL FRONT)  
 TRAVEL: 88'-0" APPROX.  
 PIT DEPTH: 7'-0"  
 CLEAR OVERHEAD HEIGHT: 16'-11"  
 CONTROL LOCATION: OVERHEAD MACHINE ROOM  
 POWER SUPPLY: 480 V A.C., 3-PHASE, 60 HZ  
 REQUIRED FUSE AMPS: 40  
 CONTROLLER HEAT OUTPUT: 3.6 KBTUHR  
 MACHINE HEAT OUTPUT: 3.6 KBTUHR  
 EMERGENCY OPERATION: EMERGENCY GENERATOR & BATTERY PACK REQUIRED  
 EMERGENCY RECALL: REQUIRED  
 TWO WAY COMMUNICATION: REQUIRED, GENERAL CONTRACTOR TO PROVIDE DEDICATED ACTIVE TELEPHONE LINE, COORDINATE INSTALLATION OF TWO WAY COMMUNICATION SYSTEM WITH SECURITY VENDOR PRIOR TO INSTALLATION  
 COORDINATE CARD ACCESS REQUIREMENTS

**BASIS OF DESIGN (ELEVATOR #4):**  
 MANUFACTURER: KONE  
 PRODUCT: MINISPACE OVERHEAD TRACTION ELEVATOR  
 CAPACITY: 4000 LB.  
 SPEED: 350 FPM  
 DOOR (CENTER OPENING): 8-STOPS AND 10-OPENINGS (10 FRONT / 2 REAR)  
 TRAVEL: 105'-0" APPROX.  
 PIT DEPTH: 9'-0"  
 CLEAR OVERHEAD HEIGHT: 16'-11"  
 CONTROL LOCATION: OVERHEAD MACHINE ROOM  
 POWER SUPPLY: 480 V A.C., 3-PHASE, 60 HZ  
 REQUIRED FUSE AMPS: 40  
 CONTROLLER HEAT OUTPUT: 3.6 KBTUHR  
 MACHINE HEAT OUTPUT: 3.6 KBTUHR  
 EMERGENCY OPERATION: EMERGENCY GENERATOR & BATTERY PACK REQUIRED  
 EMERGENCY RECALL: REQUIRED  
 TWO WAY COMMUNICATION: REQUIRED, GENERAL CONTRACTOR TO PROVIDE DEDICATED ACTIVE TELEPHONE LINE, COORDINATE INSTALLATION OF TWO WAY COMMUNICATION SYSTEM WITH SECURITY VENDOR PRIOR TO INSTALLATION  
 COORDINATE CARD ACCESS REQUIREMENTS

**BASIS OF DESIGN (ELEVATOR #5):**  
 MANUFACTURER: KONE  
 PRODUCT: MINISPACE OVERHEAD TRACTION ELEVATOR  
 CAPACITY: 4000 LB.  
 SPEED: 350 FPM  
 DOOR (CENTER OPENING): 7-STOPS AND 7-OPENINGS (5 FRONT / 2 REAR)  
 TRAVEL: 88'-0" APPROX.  
 PIT DEPTH: 6'-0"  
 CLEAR OVERHEAD HEIGHT: 16'-11"  
 CONTROL LOCATION: OVERHEAD MACHINE ROOM  
 POWER SUPPLY: 480 V A.C., 3-PHASE, 60 HZ  
 REQUIRED FUSE AMPS: 40  
 CONTROLLER HEAT OUTPUT: 3.6 KBTUHR  
 MACHINE HEAT OUTPUT: 3.6 KBTUHR  
 EMERGENCY OPERATION: EMERGENCY GENERATOR & BATTERY PACK REQUIRED  
 EMERGENCY RECALL: REQUIRED  
 TWO WAY COMMUNICATION: REQUIRED, GENERAL CONTRACTOR TO PROVIDE DEDICATED ACTIVE TELEPHONE LINE, COORDINATE INSTALLATION OF TWO WAY COMMUNICATION SYSTEM WITH SECURITY VENDOR PRIOR TO INSTALLATION  
 COORDINATE CARD ACCESS REQUIREMENTS

- TYPICAL ELEVATOR NOTES:**
- REFER TO FINISH SCHEDULE (A-800 SERIES DRAWINGS) FOR ALL FINISHES IN THE ELEVATOR LOBBY.
  - REFER TO ELEVATOR SPECIFICATIONS FOR FINISHES RELATED TO CAB AND INTERIOR FINISHES.
  - FINAL SELECTION OF ELEVATOR FLOORING SHALL BE PROVIDED BY OWNER. CONTRACTOR SHALL COORDINATE THIS WITH THE ELEVATOR MANUFACTURER.
  - REFER TO EGRESS PLANS AND WALL TYPES FOR WALL RATING.
  - COORDINATE ALL ELEVATOR HOISTWAY CLEARANCES, MASONRY OPENINGS, AND REQUIREMENTS WITH ELEVATOR MANUFACTURER.
  - SEE STRUCTURAL DRAWINGS FOR TYPICAL MASONRY WALL REINFORCING.
  - SEE STRUCTURAL DRAWINGS FOR TYPICAL CONCRETE ENCASEMENT AT NEW WIDE FLANGE STEEL COLUMNS.
  - SEE SHEET A-600 SERIES DRAWINGS FOR ALL ELEVATOR PLANS, SECTIONS AND DETAILS.
  - GENERAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS TO SUIT SILL, HEAD, JAMB, ETC. AS REQUIRED WITH ELEV. MFR.
  - COORDINATE FINAL LOCATION OF SMOKE VENT AT TOP OF ELEVATOR SHAFT
  - COORDINATE FIRE RATING OF (2 HR.) ELEVATOR SHAFT DOORS WITH REQUIRED FIRE RATING AT ELEVATOR SHAFT ENCLOSURE. SEE FLOOR PLANS AND CODE SHEET FOR ADDITIONAL INFORMATION

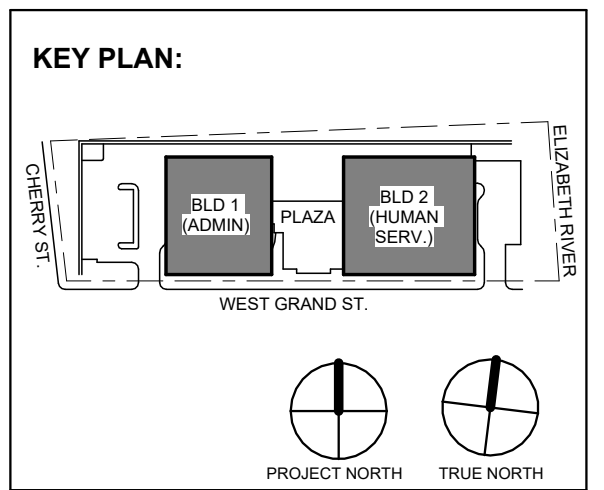
**OPTIONS:**  
 HOIST BEAM OR HOOK(S) (10000# CAPACITY) BY OTHERS STRUCTURAL ENGINEER TO COORDINATE WITH ELEVATOR CONTRACTOR

**STRUCTURAL ENGINEER NOTE:**  
 PROVIDE AN INTERMEDIATE GUIDE RAIL SUPPORT WHERE THE VERTICAL DISTANCE BETWEEN SUPPORT POINTS INCLUDING OVER RUN AND PIT DEPTH EXCEEDS DISTANCE SPECIFIED IN LOAD CHART.

**PE1 / PE2**

FLOOR	F	R
6-PH	X	X
5	X	X
4	X	X
3	X	X
2	X	X
1	X	X
G	X	X

INTERMEDIATE SUPPORT REQUIRED AT FLOORS MARKED WITH AN "X". SEE PIT AND RAIL LOADS CHART FOR MAXIMUM VERTICAL SPAN GUIDE RAIL SUPPORTS.



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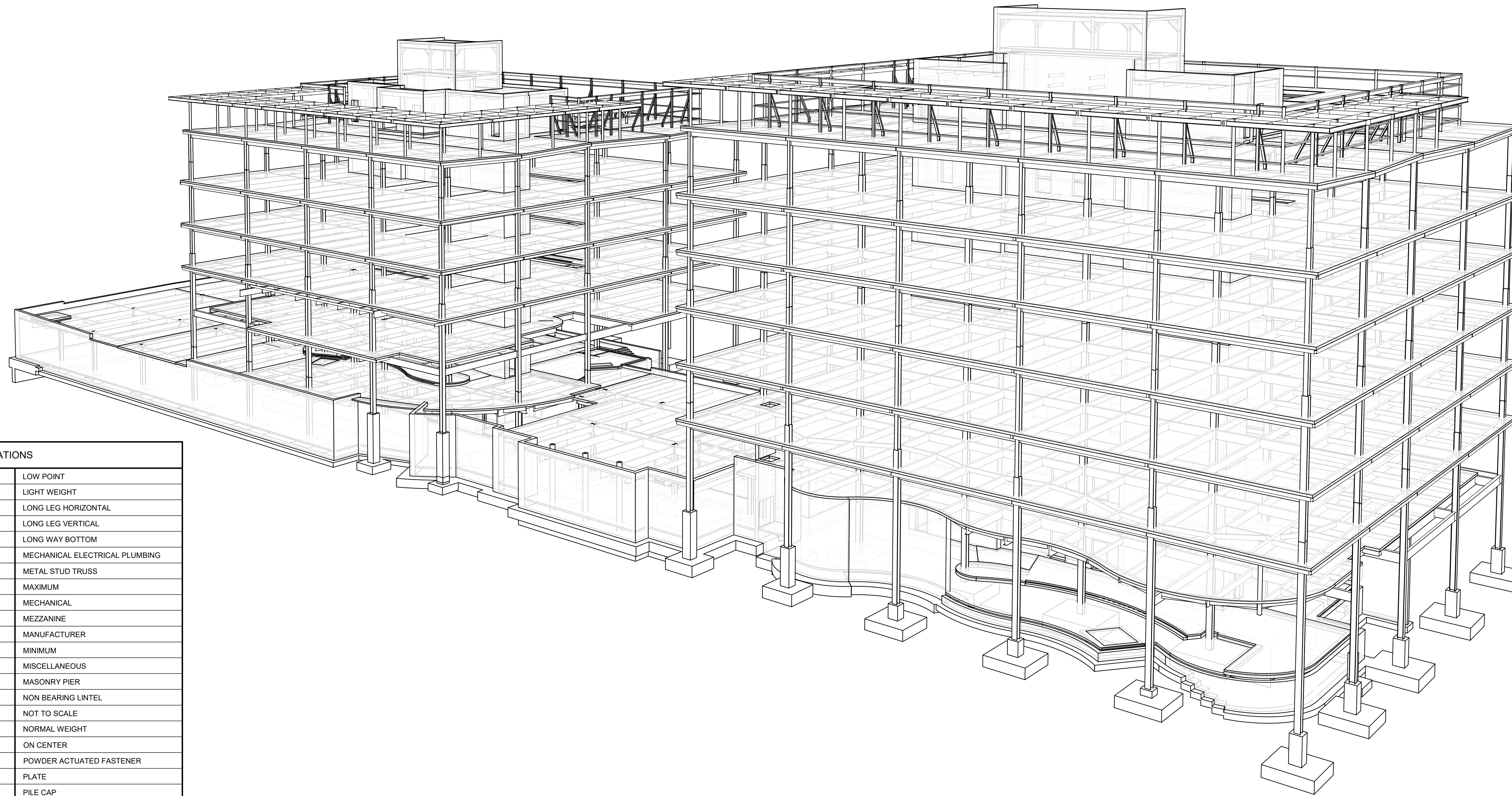
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**BUILDING NO. 1 & 2 - ELEVATOR SECTIONS**

Sheet No:  
**A-607**





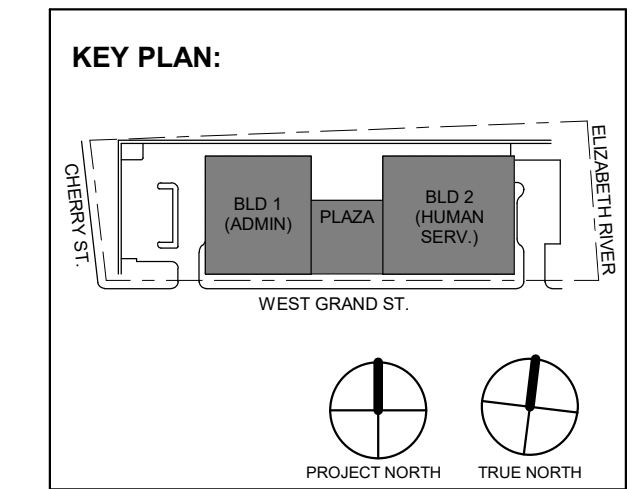




TYPICAL ABBREVIATIONS			
A.B.	ANCHOR BOLT	L.P.	LOW POINT
A.F.F.	ABOVE FINISH FLOOR	L.W.	LIGHT WEIGHT
ADDL.	ADDITIONAL	LLH	LONG LEG HORIZONTAL
ALT.	ALTERNATE	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECT	LWB	LONG WAY BOTTOM
B.C.E.	BOTTOM CHORD EXTENSION	M.E.P.	MECHANICAL ELECTRICAL PLUMBING
B.O.	BOTTOM OF	M.S.T.	METAL STUD TRUSS
BLDG.	BUILDING	MAX.	MAXIMUM
BM.	BEAM	MECH.	MECHANICAL
BOTT.	BOTTOM	MEZZ.	MEZZANINE
BRG.	BEARING	MFR.	MANUFACTURER
BSMT.	BASEMENT	MIN.	MINIMUM
BP_	BEARING PLATE	MISC.	MISCELLANEOUS
BTWN.	BETWEEN	MP_	MASONRY PIER
⊙	CENTERLINE	NBL	NON BEARING LINTEL
CANT.	CANTILEVER	N.T.S.	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	N.W.	NORMAL WEIGHT
COL.	COLUMN	OC	ON CENTER
CONC.	CONCRETE	P.A.F.	POWDER ACTUATED FASTENER
CONN.	CONNECTION	PL	PLATE
CONT.	CONTINUOUS	PC	PILE CAP
CTRD.	CENTERED	P/C	PRECAST
∅	DIAMETER	PSF	POUNDS PER SQUARE FOOT
DWG.	DRAWING	PSI	POUNDS PER SQUARE INCH
E.F.	EACH FACE	PTN.	PARTITION
E.O.D.	EDGE OF DECK	REINF.	REINFORCEMENT
E.O.S.	EDGE OF SLAB	REQ'D.	REQUIRED
E.W.	EACH WAY	RETFG.	RETAINING
EA.	EACH	S.F.	STEP FOOTING
EL.	ELEVATION	S.O.G.	SLAB ON GRADE
ELEV.	ELEVATOR	SCHED.	SCHEDULE
EMBED.	EMBEDMENT	SECT.	SECTION
EQ.	EQUAL	SIM.	SIMILAR
EQUIP.	EQUIPMENT	SPECS.	SPECIFICATIONS
EWB	EACH WAY BOTTOM	STIFF.	STIFFENER
EWT	EACH WAY TOP	STRUCT.	STRUCTURAL
EX.	EXISTING	SWB	SHORT WAY BOTTOM
EXIST.	EXISTING	T&B	TOP AND BOTTOM
EXP.	EXPANSION	T.	TOP
EXT.	EXTERIOR	T.O.	TOP OF
FDN.	FOUNDATION	T.O.C.	TOP OF CONCRETE
FIN.	FINISH	T.O.S.	TOP OF STEEL
FLR.	FLOOR	T.S.	THICKENED SLAB
FT.	FEET	TCELE	TOP CHORD EXTENSION LEFT END
FTG.	FOOTING	TCERE	TOP CHORD EXTENSION RIGHT END
GA.	GAGE	TDS	TURN DOWN SLAB
GALV.	GALVANIZED	THK.	THICK OR THICKENED
GB_	GRADE BEAM	TYP.	TYPICAL
H.P.	HIGH POINT	U.N.O.	UNLESS NOTED OTHERWISE
HORIZ.	HORIZONTAL	V.I.F.	VERIFY IN FIELD
I.F.	INSIDE FACE	VERT.	VERTICAL
IN.	INCHES	W.R.T.	WOOD ROOF TRUSS
INFO.	INFORMATION	WI	WITH
INT.	INTERIOR	WC	WET COLUMN
JT.	JOINT	WP	WALL PLATE
k	KIP	WWF	WELDED WIRE FABRIC
k-ft	KIP-FEET		

STRUCTURAL DRAWING LIST	
DWG. NUMBER	SHEET NAME
S-000	COVER SHEET
S-001	GROUND IMPROVEMENT PLAN
S-100	OUTDOOR PLAZA - FOUNDATION & FRAMING PLAN
S-101	BUILDING NO. 1 - LEVEL 0 - FOUNDATION PLAN
S-102	BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR FRAMING PLAN
S-103	BUILDING NO. 1 - LEVEL 2 FRAMING PLAN
S-104	BUILDING NO. 1 - LEVEL 3 FRAMING PLAN
S-105	BUILDING NO. 1 - LEVEL 4 & 5 FRAMING PLANS
S-106	BUILDING NO. 1 - ROOF, DUNNAGE, & LOW SCREENWALL FRAMING PLANS
S-107	BUILDING NO. 1 - TRELIS FRAMING PLAN
S-108	BUILDING NO. 1 - PARTIAL ROOF FRAMING PLANS
S-110	BUILDING NO. 2 - LEVEL 0 - FOUNDATION PLAN
S-111	BUILDING NO. 2 - LEVEL 1 FRAMING PLAN
S-112	BUILDING NO. 2 - LEVEL 2 FRAMING PLAN
S-113	BUILDING NO. 2 - LEVEL 3 THRU LEVEL 6 FRAMING PLANS
S-114	BUILDING NO. 2 - ROOF & ELEVATOR OVERRUN FRAMING PLANS
S-115	BUILDING NO. 2 - DUNNAGE/LOW SCREENWALL FRAMING PLAN
S-116	BUILDING NO. 2 - TRELIS FRAMING PLAN
S-117	BUILDING NO. 2 - PARTIAL ROOF FRAMING PLANS
S-200	GENERAL NOTES
S-201	SCHEDULES
S-202	SPECIAL INSPECTIONS TABLES
S-203	COLUMN SCHEDULE
S-300	TYPICAL FOUNDATION DETAILS
S-301	FOUNDATION SECTIONS
S-302	FOUNDATION SECTIONS
S-303	FOUNDATION SECTIONS
S-400	TYPICAL FRAMING DETAILS
S-401	TYPICAL FRAMING DETAILS
S-402	TYPICAL MASONRY DETAILS
S-403	CAST-IN-PLACE TYPICAL DETAILS
S-404	FRAMING SECTIONS
S-405	FRAMING SECTIONS
S-406	FRAMING SECTIONS
S-407	FRAMING SECTIONS
S-408	FRAMING SECTIONS
S-500	SHEARWALL ELEVATIONS
S-501	SHEARWALL ELEVATIONS
S-502	SHEARWALL ELEVATIONS
S-503	SHEARWALL ELEVATIONS
S-504	SHEARWALL ELEVATIONS
x000	STARTING VIEW

**UNION COUNTY GOVERNMENT COMPLEX (3D VIEW)**  
 NOTE: 3D VIEW IS SHOWN FOR PROJECT CONCEPT ONLY. (N.T.S.)



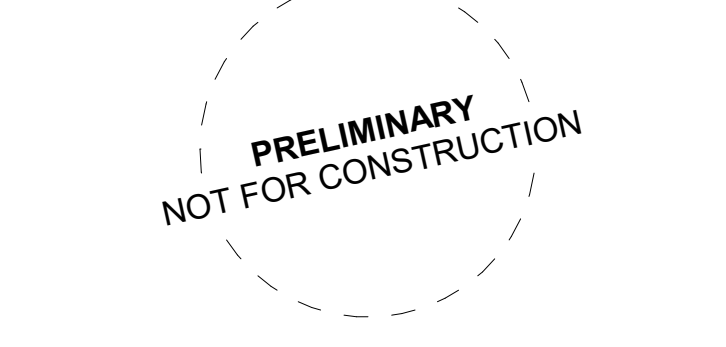
No.	Date	Description
7	01/12/2024	Addendum No. 07
	11/08/2023	For Public Bid

**Revisions / Issues**

**Client:**  
UNION COUNTY IMPROVEMENT AUTHORITY

**Project:**  
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

**Project No:** 20.072  
**Date:** 11.08.2023  
**Drawn By:** DMA  
**Checked By:** DMA



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**Client:**  
UNION COUNTY IMPROVEMENT AUTHORITY

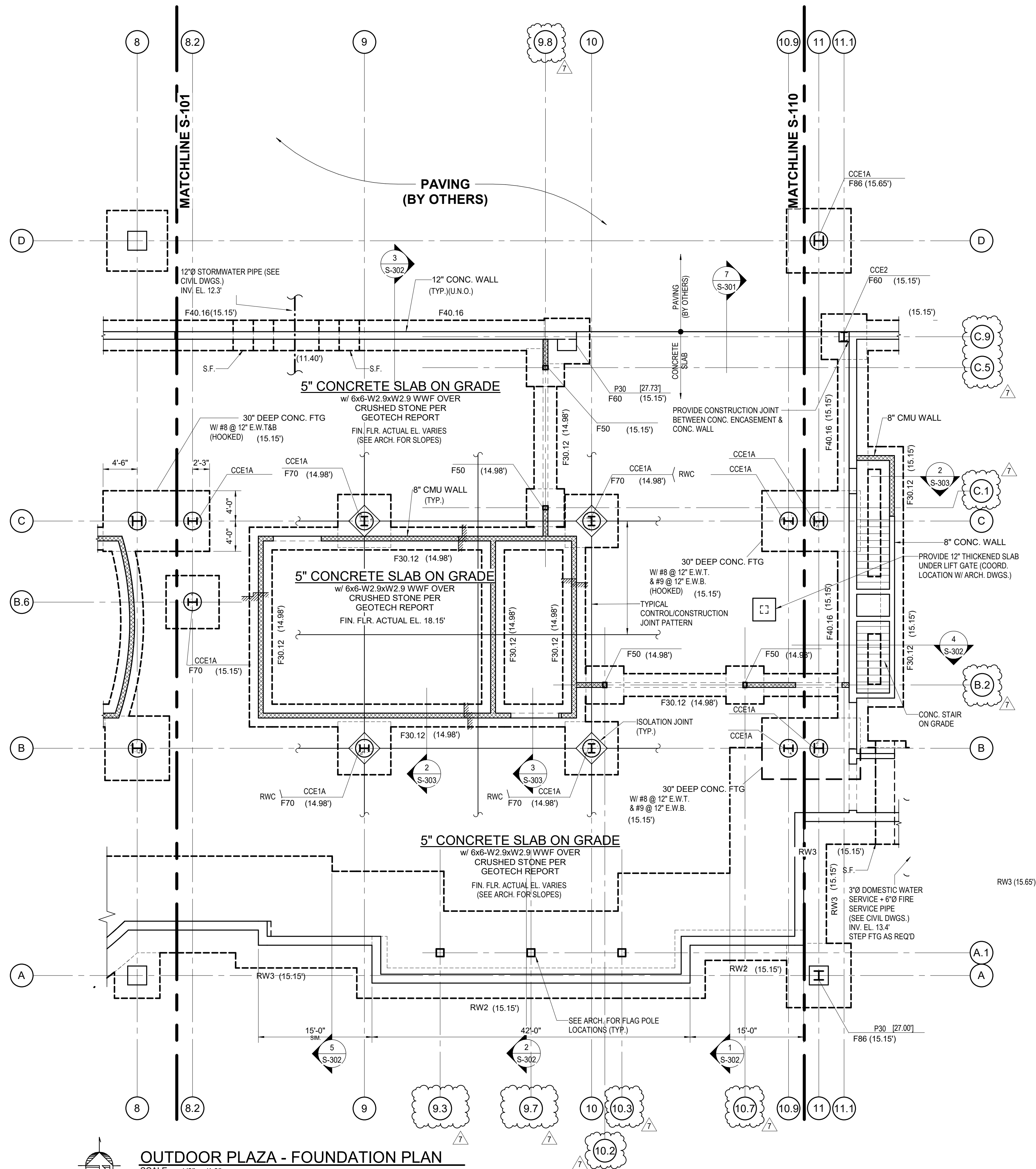
**Project:**  
UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

**Drawing Information:**  
**Project No:** 20.072  
**Date:** 11.08.2023  
**Drawn By:** DMA  
**Checked By:** DMA

**Sheet Name:**  
**COVER SHEET**

**Sheet No:**  
**S-000**

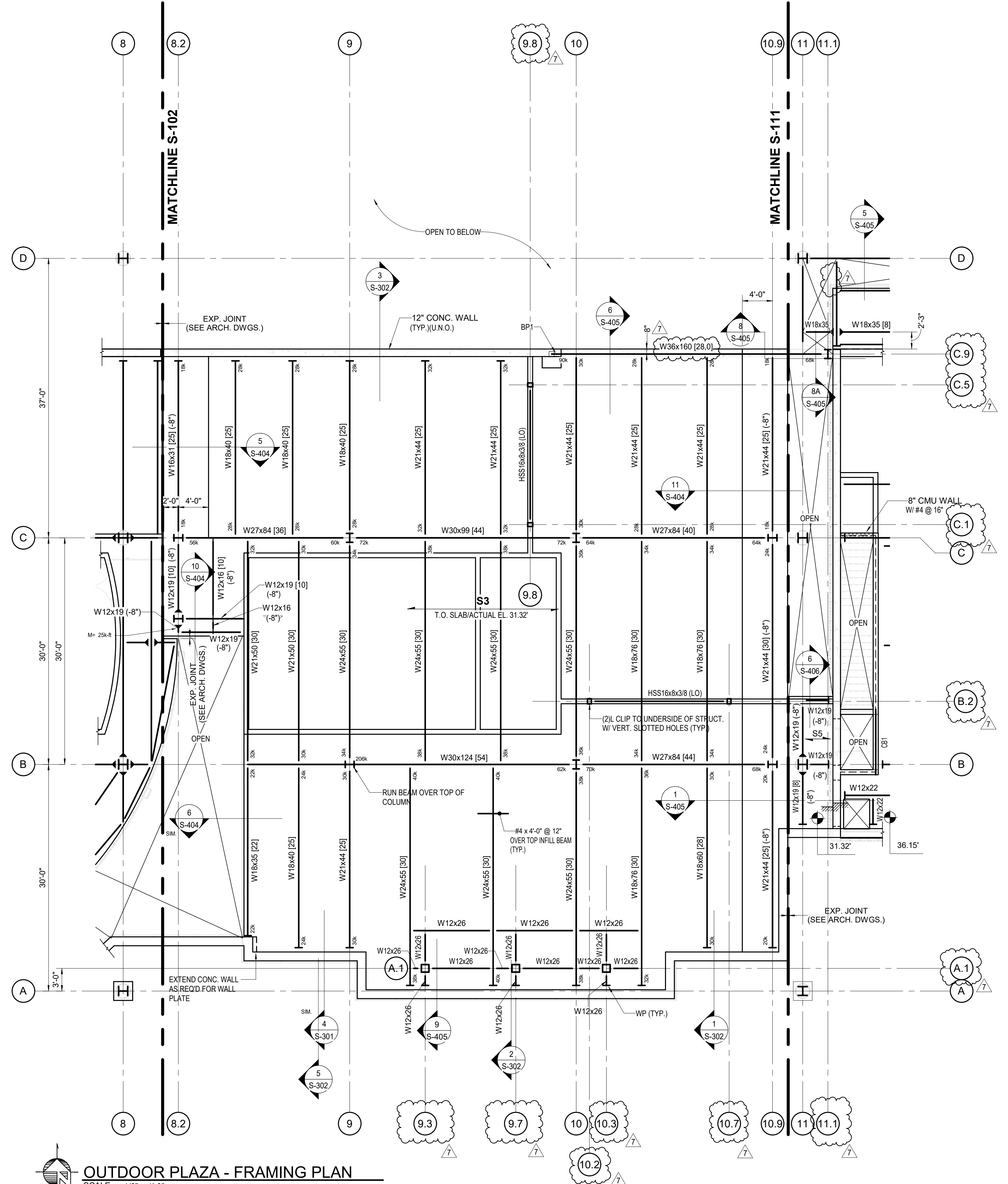




**OUTDOOR PLAZA - FOUNDATION PLAN**

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

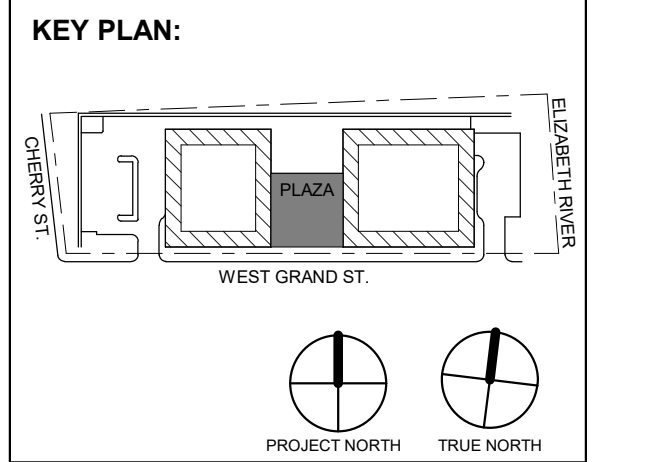
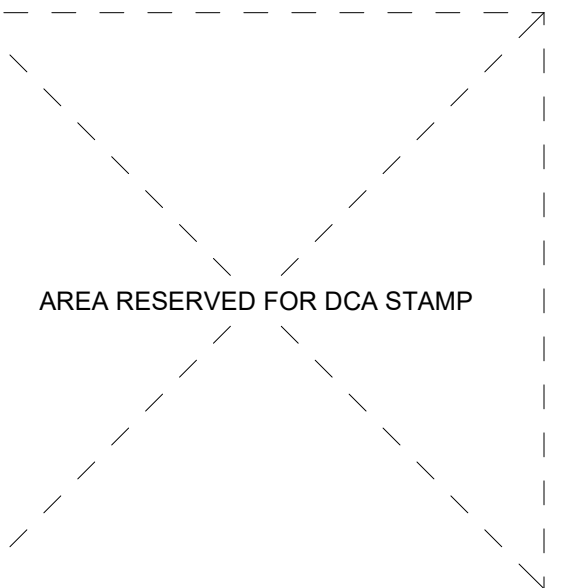
- NOTES:**
- 1) SEE PLAN FOR FINISHED FLOOR ELEVATION RELATIVE TO DATUM ELEVATION 0.00' (ACTUAL ELEVATION 18.15'). SEE ARCHITECTURAL DOCUMENTS FOR ALL SLOPES AND VARIANCES FROM 0.00'.
  - 2)  $\pm$  INDICATES TOP OF SLAB ELEVATION.
  - 3) ( ) INDICATES TOP OF FOOTING ACTUAL ELEVATION.
  - 4) TOP OF PIER ACTUAL ELEVATION [ ] [48] UNLESS NOTED THIS [ ]
  - 5) SEE S-201 FOR COLUMN, PIER, AND FOOTING SCHEDULES.
  - 6) FOUNDATIONS, COLUMNS AND PIERS ARE CENTERED ON THE GRID LINE, UNLESS NOTED OTHERWISE.
  - 7) SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.
  - 8) COORDINATE ALL UNDERGROUND UTILITY REQUIREMENTS WITH CIVIL/M.E.P. DRAWINGS. ALL UTILITIES SHALL BE ABOVE/BELOW FOOTINGS AND NOT LOCATED WITHIN FOUNDATION ELEMENTS.
  - 9) FOOTINGS AND PIERS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED BETWEEN THEM IN BOTH DIRECTIONS, UNLESS NOTED OTHERWISE.
  - 10) "CCE" INDICATES CONCRETE ENCASUREMENT. SEE TYPICAL DETAIL FOR SIZE AND REINFORCING REQUIREMENTS.
  - 11) ALL SITE RETAINING WALLS AND THEIR FOOTINGS SHALL BE LOCATED SO THAT NO ADDITIONAL LOADING IS IMPOSED ON THE BUILDING WALLS SHOWN ON THESE PLANS.
  - 12) SEE SITE/CIVIL AND ARCHITECTURAL DRAWINGS FOR ALL SIDEWALK EXTENTS AND LOCATIONS.
  - 13) "RWC" INDICATES RAINWATER CONDUCTOR LOCATIONS. TOP OF FOOTING TO BE (-2.00') BELOW SLAB ON GRADE (MIN.). COORDINATE WITH LOCATIONS SHOWN ON CIVIL/PLUMBING DRAWINGS.



**OUTDOOR PLAZA - FRAMING PLAN**

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

- NOTES:**
- 1) TOP OF SLAB ELEVATION RELATIVE TO DATUM ELEVATION -0.83' (ACTUAL ELEVATION 31.32'), UNLESS NOTED OTHERWISE.
  - 2)  $\rightarrow$  INDICATES 5 1/2" ONE-WAY NORMAL WEIGHT CAST-IN-PLACE CONCRETE SLAB WITH #8 @ 5" O.C. E-W BOTTOM. TOP OF STEEL (-5 1/2") FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.
  - 3) | | INDICATES QUANTITY OF 3/4" @ 4" 1/2" COMPOSITE SHEAR STUDS.
  - 4)  $\rightarrow$  INDICATES MOMENT CONNECTION FOR GRAVITY LOADS. SEE TYPICAL DETAIL ON S-401.
  - 5) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIPS, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
  - 6) ALL PIPING RUNS LARGER THAN 4" SHALL BE HUNG DIRECTLY FROM STEEL BEAMS AND NOT CONCRETE SLAB/METAL DECK. ANY SUPPLEMENTAL FRAMING REQUIRED FOR BUILDING SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) IS NOT BY O'DONNELL & NACCARATO.
  - 7) "WP" INDICATES WALL PLATE. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
  - 8) ALL BEAMS TO BE ENCASED IN CONCRETE. SEE TYPICAL DETAIL ON SHEET S-401.
  - 9) SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. DIMENSIONS ON THIS DRAWING ARE FOR CONVENIENCE ONLY AND MUST BE CHECKED WITH THE ARCHITECTURAL DRAWINGS FOR ACCURACY. DIMENSIONS ON THE ARCHITECTURAL DRAWINGS GOVERN.
  - 10) SEE ARCHITECTURAL/M.E.P. DOCUMENTS FOR ALL WATERSTOP AND WATERPROOFING REQUIREMENTS ALONG WITH CONCRETE SEALER/HARDENER REQUIREMENTS AND TRAFFIC MEMBRANE REQUIREMENTS AT ALL DRIVE AREAS.
  - 11) "BP" INDICATES BEARING PLATE. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
  - 12) COORDINATE PLAZA FEATURES (PAVERS, FURNITURE, PLANTERS, ETC.) WITH ARCHITECTURAL DRAWINGS.
  - 13) "LO" INDICATES BEAM TO ALIGN WITH ROLL-UP DOOR. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FINAL ELEVATIONS.



No.	Date	Description
7	01.13.2024	Addendum No. 07
	11.08.2023	For Public Bid



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Jeffrey D. Evans, PE  
 NJ GCS2904  
 Expiration Date: 04/30/2024



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**CLIENT:**  
 UNION COUNTY IMPROVEMENT AUTHORITY

**Project:**  
 UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
 81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

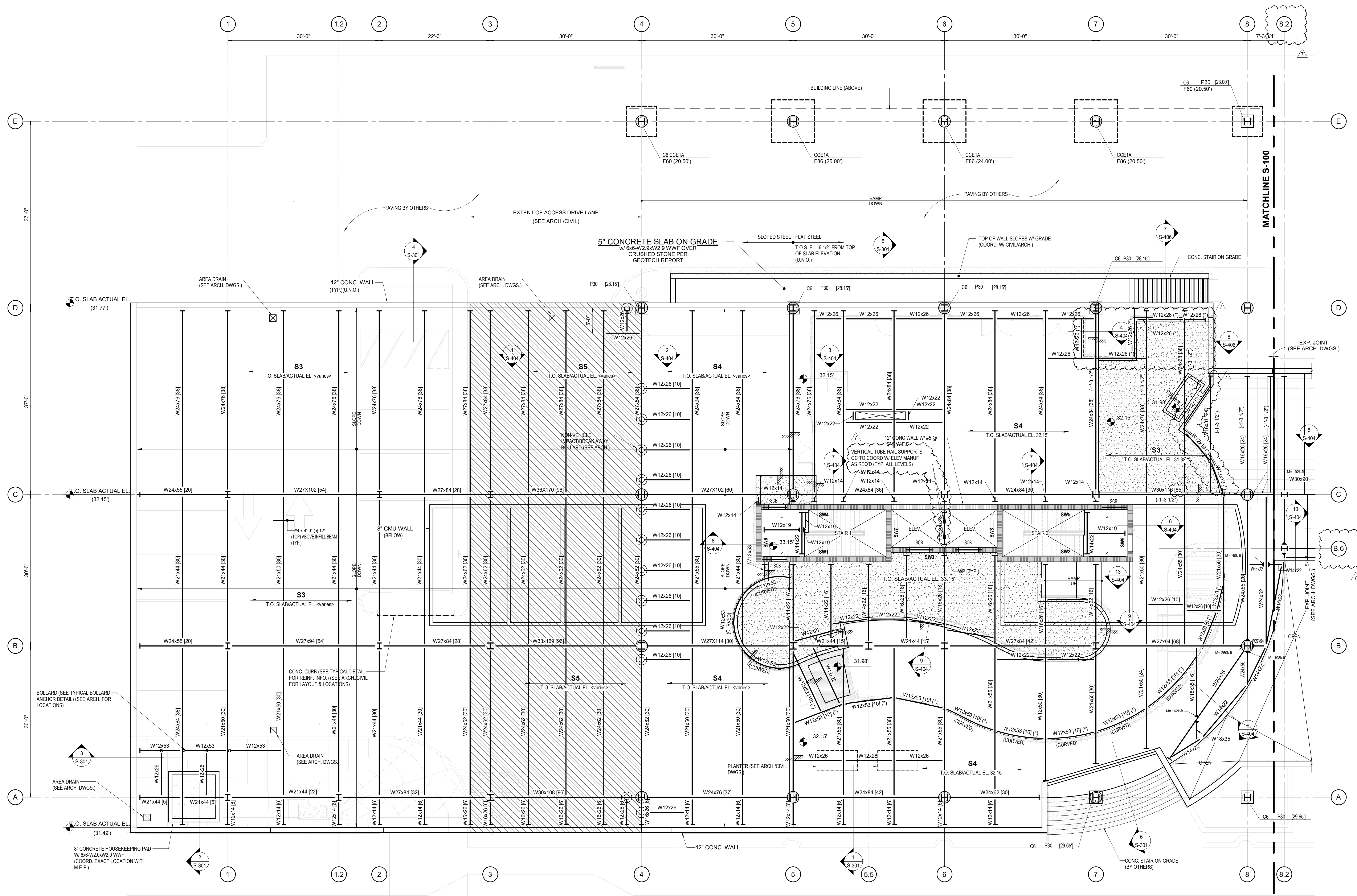
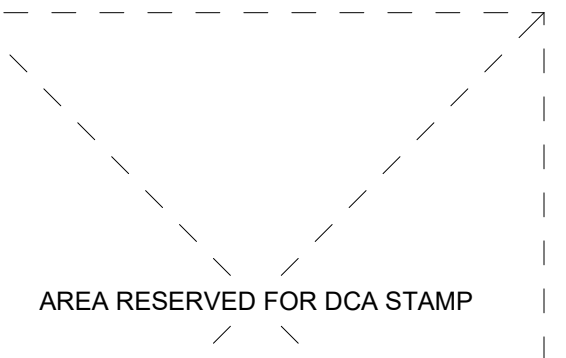
**Drawing Information:**  
 Project No: 20.072  
 Date: 11.08.2023  
 Drawn By: DMA  
 Checked By: DMA

**Sheet Name:**  
 OUTDOOR PLAZA - FOUNDATION & FRAMING PLAN

Sheet No:

**S-100**





**BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

- FOUNDATION NOTES:**
- 1) SEE PLAN FOR FINISHED FLOOR ELEVATION RELATIVE TO DATUM ELEVATION 0.00' (ACTUAL ELEVATION 18.15'). SEE ARCHITECTURAL DOCUMENTS FOR ALL SLOPES AND VARIANCES FROM 0.00'.
  - 2) ( ) INDICATES TOP OF FOOTING ACTUAL ELEVATION.
  - 3) TOP OF PIER ACTUAL ELEVATION [31.48], UNLESS NOTED THUS [ ] .
  - 4) SEE S-201 FOR COLUMN, PIER AND FOOTING SCHEDULES.
  - 5) FOUNDATIONS, COLUMNS AND PIERS ARE CENTERED ON THE GRID LINE, UNLESS NOTED OTHERWISE.
  - 6) SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED.
  - 7) ALL STRUCTURAL STEEL, INCLUDING BASE PLATES, BASE PLATE EXTENSIONS, GUSSET PLATES AND TOPS OF ANCHOR RODS, EXPOSED TO SOIL, ARE TO BE COATED WITH APPROVED COAL TAR EPOXY, 16 MILS MINIMUM THICKNESS, AND ENCASED IN CONCRETE WITH MINIMUM 3" COVER.
  - 8) FOOTINGS AND PIERS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED BETWEEN THEM IN BOTH DIRECTIONS, UNLESS NOTED OTHERWISE.

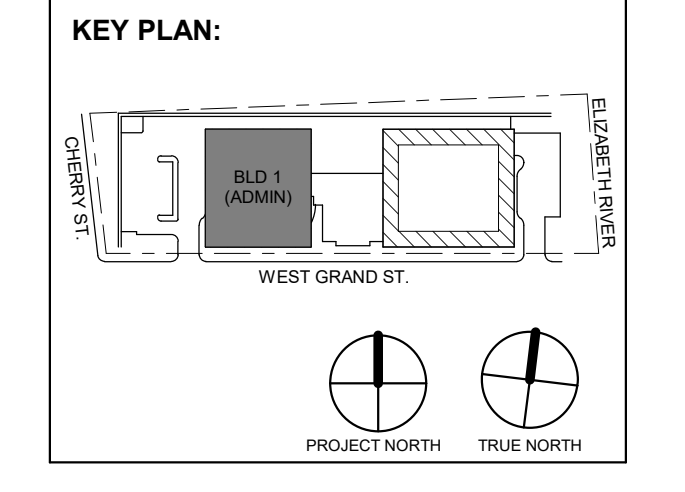
- FRAMING NOTES:**
- 1) TOP OF SLAB ELEVATION RELATIVE TO DATUM ELEVATION 0.00' (ACTUAL ELEVATION 32.15'), UNLESS NOTED OTHERWISE.
  - 2) S3 INDICATES 5 1/2" ONE-WAY NORMAL WEIGHT CAST-IN-PLACE CONCRETE SLAB WITH #5 @ 8" OC E.W. BOTTOM. TOP OF STEEL (S 1/2") FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.
  - 3) S4 INDICATES 6 1/2" ONE-WAY NORMAL WEIGHT CAST-IN-PLACE CONCRETE SLAB WITH #5 @ 8" OC E.W. BOTTOM. TOP OF STEEL (6 1/2") FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.
  - 4) S5 INDICATES 8" ONE-WAY NORMAL WEIGHT CAST-IN-PLACE CONCRETE SLAB WITH #5 @ 8" OC TOP & BOTTOM REIN'. E.W. TOP OF STEEL (8") FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.
  - 5) [ ] INDICATES QUANTITY OF 3/4" x 4 1/2" COMPOSITE SHEAR STUDS.
  - 6) "c" INDICATES AMOUNT OF UPWARD CAMBER TO BE PROVIDED.
  - 7) INDICATES MOMENT CONNECTION FOR GRAVITY LOADS. SEE TYPICAL DETAIL ON S-401.
  - 8) ALL BEAM/ORDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 kips. UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.

- 9) ALL PIPING RUNS LARGER THAN 4" SHALL BE HUNG DIRECTLY FROM STEEL BEAMS AND NOT CONCRETE SLAB/METAL DECK. ANY SUPPLEMENTAL FRAMING REQUIRED FOR BUILDING SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) IS NOT BY O'DONNELL & MACKAY.
- 10) SW INDICATES 12" CONCRETE SHEAR WALL. SEE PLANELEVATIONS FOR ADDITIONAL INFORMATION.
- 11) COORDINATE ALL CONNECTIONS TO SHEAR WALLS FOR ELEVATOR EQUIPMENT (EMBED PL OR POST-INSTALLED ANCHORS) WITH ELEV. MFR. (NOT BY DMA).
- 12) W/P INDICATES WALL PLATE, SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
- 13) ALL BEAMS TO BE ENCASED IN CONCRETE. SEE TYPICAL DETAIL ON SHEET S-401.
- 14) INDICATES EXTENT OF 4" LIGHT-WEIGHT CONCRETE SLAB W/ 6#6-W1 & W1.4 WWF OVER HIGH-DENSITY POLYSTYRENE FILL.
- 15) ( ) INDICATES BEAMS TO ALIGN W/ CURTAINWALL ABOVE. COORDINATE LOCATIONS W/ ARCHITECTURAL DRAWINGS.
- 16) SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. DIMENSIONS ON THIS DRAWING ARE FOR CONVENIENCE ONLY AND MUST BE CHECKED WITH THE ARCHITECTURAL DRAWINGS FOR ACCURACY. DIMENSIONS ON THE ARCHITECTURAL DRAWINGS GOVERN.
- 17) SEE ARCHITECTURAL M.E.P. DOCUMENTS FOR ALL WATERSTOP AND WATERPROOFING REQUIREMENTS ALONG WITH CONCRETE SEALER/HARDENER REQUIREMENTS AND TRAFFIC MEMBRANE REQUIREMENTS AT ALL DRIVE AREAS.

- 18) "SCB" INDICATES CONCRETE BEAM. SEE SHEARWALL ELEVATIONS FOR REINFORCING AT OPENING.
- 19) "L" INDICATES CONTINUOUS L4x4x3/8 WITH 3/8" STIFFENER PLATE @ 24" OC. PROVIDE 3/8"x1'-0" EMBED. PLATE AT 3'-0" OC AND EACH END WITH (4) 1/2"x4" HEADED STUDS. WELD CONTINUOUS L4x4 TO EMBED. PLATE.
- 20) STAIR LANDING FRAMING WITHIN STAIR SHAPTS TO BE COORDINATED WITH STAIR MANUFACTURER SHOP DRAWINGS FOR FINAL SUPPORT BEAM LOCATION, TYPICAL ALL FLOORS.



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No.	Date	Description
7	01/13/2024	Addendum No. 07
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Jeffrey D. Evans, PE  
NJ CES2694  
Expiration Date: 04/30/2024

Client: UNION COUNTY IMPROVEMENT AUTHORITY

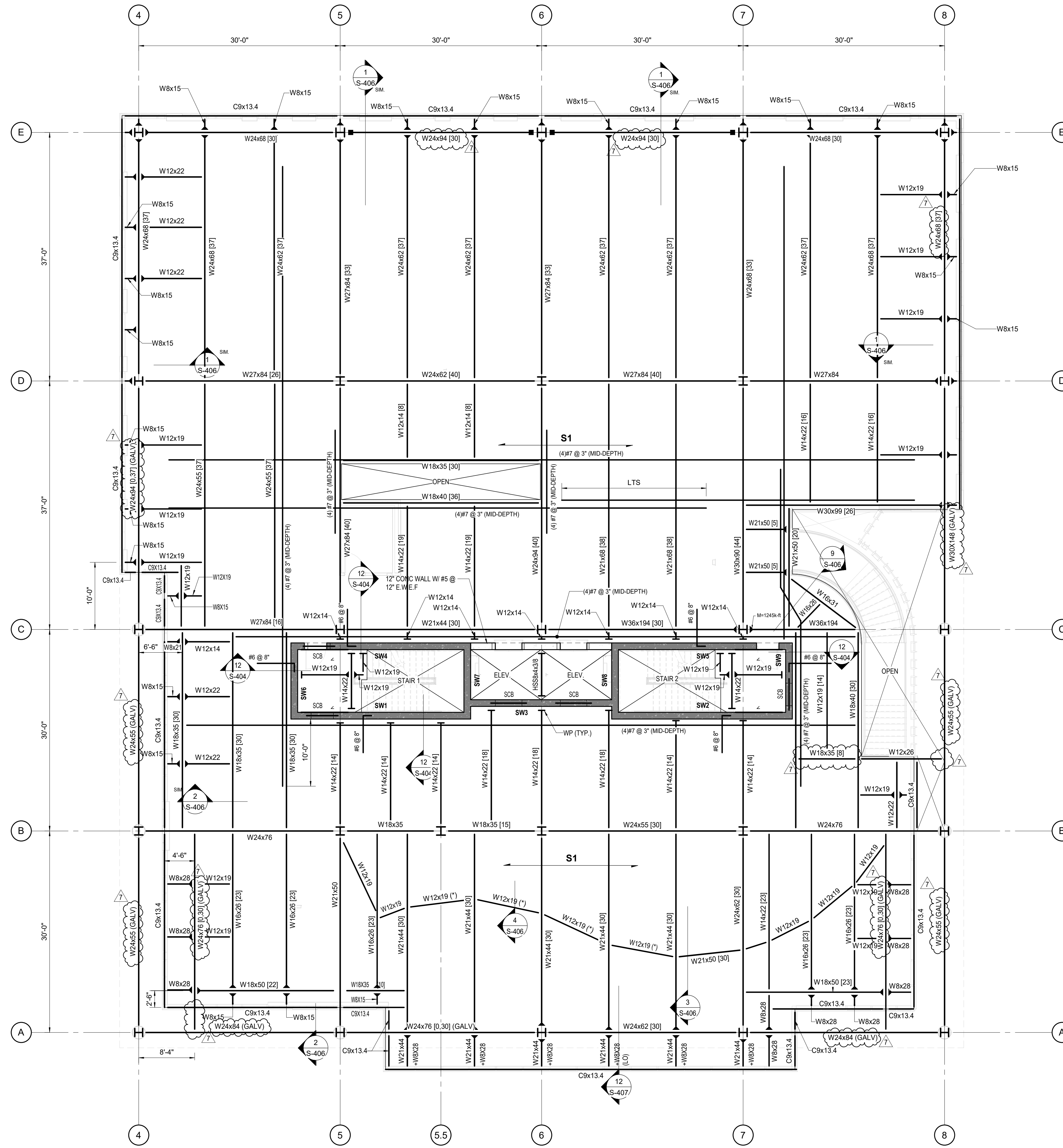
Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: DMA  
Checked By: DMA

Sheet Name: BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR FRAMING PLAN

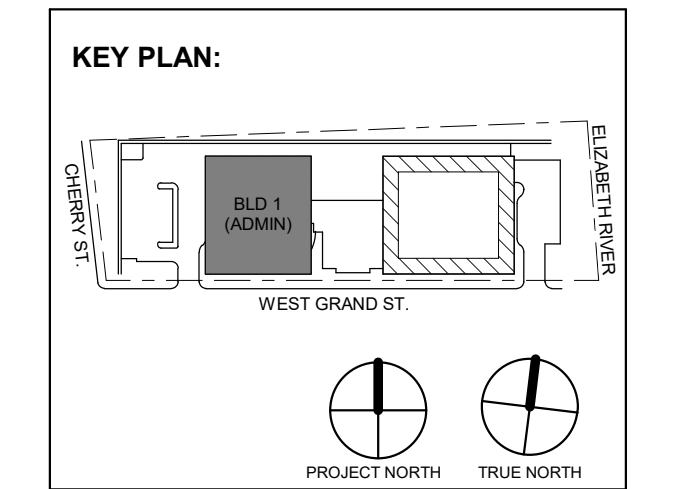
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**BUILDING NO. 1 - LEVEL 2 FRAMING PLAN**  
 SCALE: 1/8" = 1'-0"

- NOTES:**
- 1) TOP OF SLAB ELEVATION = +16'-0"; (ACTUAL ELEVATION 48.15'). UNLESS NOTED OTHERWISE.
  - 2) TOP OF STEEL (DECK BEARING) (-6 1/2") FROM TOP OF SLAB ELEVATION. UNLESS NOTED OTHERWISE.
  - 3) S1 INDICATES 4 1/2" NORMAL WEIGHT CONCRETE W/ 6#6-W2.1 x W2.1 WWF OVER 2" 19 GA. (GALV.) LOK-FLOOR COMPOSITE DECK @ 1/2" TOTAL THICKNESS.
  - 4) [ ] INDICATES QUANTITY OF 3/4"x9 x 5 1/2" COMPOSITE SHEAR STUDS.
  - 5) "c" INDICATES AMOUNT OF UPWARD CAMBER TO BE PROVIDED.
  - 6) SM INDICATES MOMENT CONNECTION FOR GRAVITY LOADS. SEE TYPICAL DETAIL ON S-401.
  - 7) ALL BEAM/ORDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIPS. UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
  - 8) ALL PIPING RUNS LARGER THAN 4"Ø SHALL BE HUNG DIRECTLY FROM STEEL BEAMS AND NOT CONCRETE SLAB/METAL DECK. ANY SUPPLEMENTAL FRAMING REQUIRED FOR BUILDING SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) IS NOT BY O'DONNELL & MCGUIRE.
  - 9) SW INDICATES 12" CONCRETE SHEAR WALL. SEE PLANE ELEVATIONS FOR ADDITIONAL INFORMATION.
  - 10) COORDINATE ALL CONNECTIONS TO SHEAR WALLS FOR ELEVATOR EQUIPMENT (EMBED PL OR POST-INSTALLED ANCHORS) WITH ELEV. MFR. (NOT BY DMA).
  - 11) (\*) INDICATES BEAMS TO ALIGN W/ CURTAIN WALLS. COORDINATION LOCATION WITH ARCHITECTURAL DRAWINGS.
  - 12) "WP" INDICATES CAST-IN WALL PLATE. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
  - 13) SCB INDICATES CONCRETE BEAM. SEE SHEARWALL ELEVATIONS FOR REINFORCING AT OPENING.
  - 14) "L" INDICATES CONTINUOUS L4x4x8 WITH 3/8" STIFFENER PLATE @ 24" OC. PROVIDE 3/8"x1'-0" EMBED. PLATE AT 3'-0" OC AND EACH END WITH (4) 1/2"x4" HEADED STUDS. WELD CONTINUOUS L4x4 TO EMBED. PLATE.
  - 15) STAIR LANDING FRAMING WITHIN STAIR SHAFTS TO BE COORDINATED WITH STAIR MANUFACTURER SHOP DRAWINGS FOR FINAL SUPPORT BEAM LOCATION. TYPICAL ALL FLOORS.



No.	Date	Description
7	01.12.2024	Addendum No. 07
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 NJ CES22604  
 Expiration Date: 04/30/2024



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Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

Project:  
**UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2**  
 81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

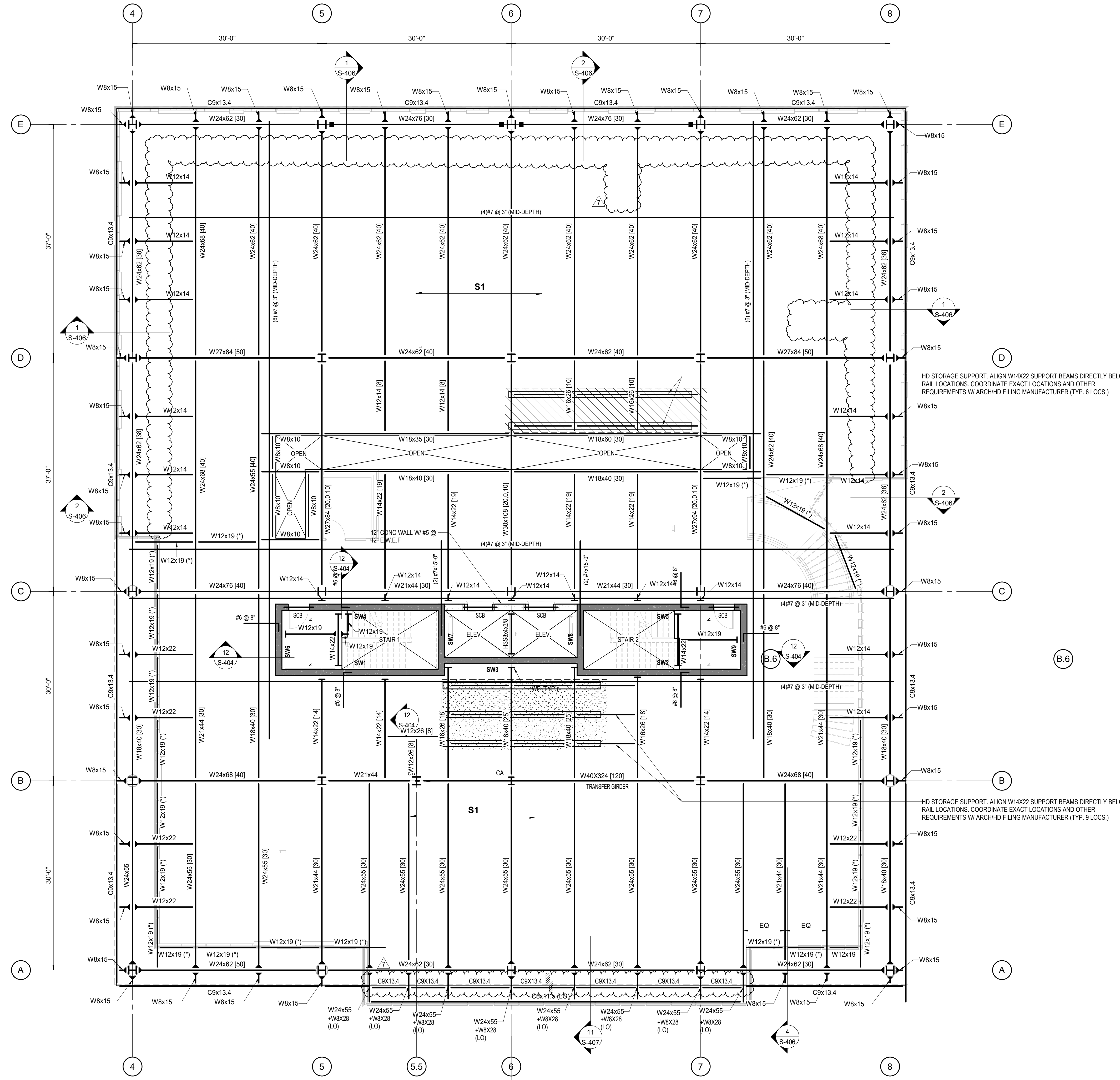
Drawing Information:  
 Project No: 20.072  
 Date: 11.08.2023  
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Sheet Name:  
**BUILDING NO. 1 - LEVEL 2 FRAMING PLAN**

Sheet No:

**S-103**

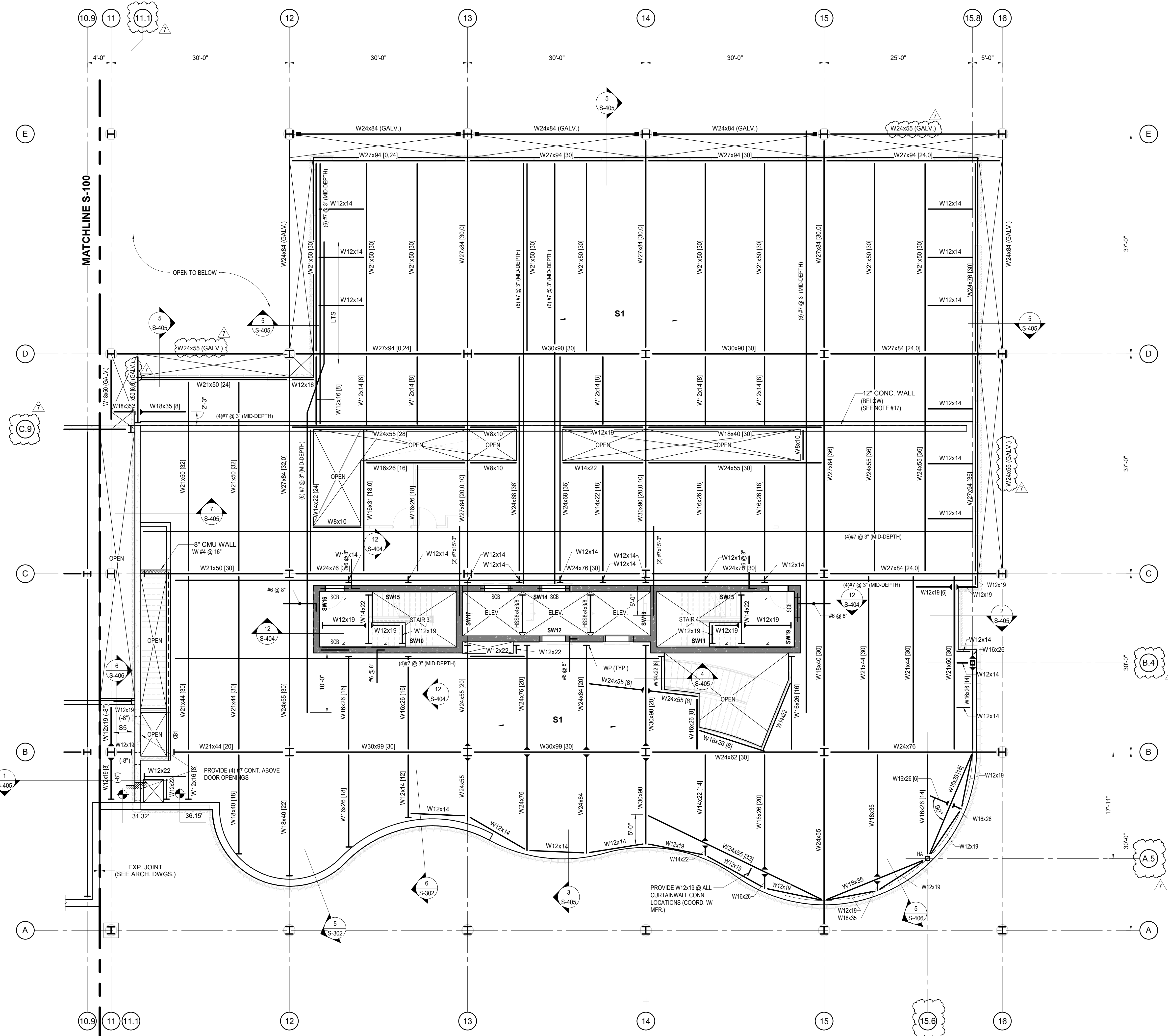








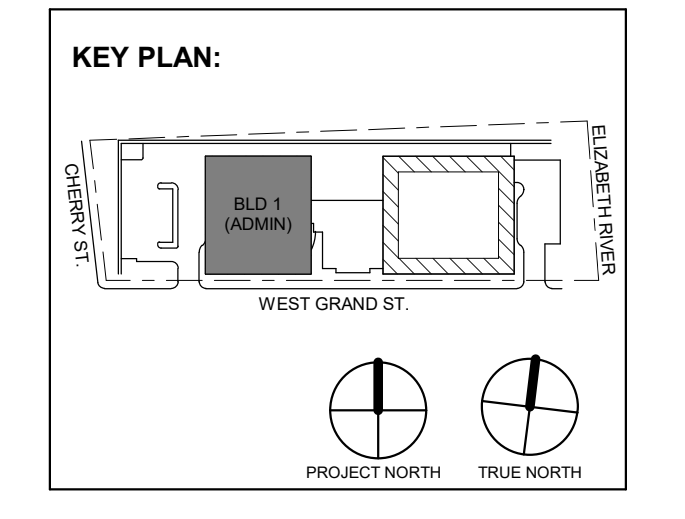




**BUILDING NO. 2 - LEVEL 1 FRAMING PLAN**  
 SCALE: 1/8" = 1'-0"

- NOTES:**
- TOP OF SLAB ELEVATION = 4'-0" (ACTUAL ELEVATION 36.15'), UNLESS NOTED OTHERWISE.
  - TOP OF STEEL DECK BEARING (6 1/2") FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.
  - S1 INDICATES 4 1/2" NORMAL WEIGHT CONCRETE W/ 6# W2 1 x W2.1 WWF OVER 2" 18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (6 1/2" TOTAL THICKNESS).
  - [ ] INDICATES QUANTITY OF 3/4" x 5 3/4" COMPOSITE SHEAR STUDS.
  - "c" INDICATES AMOUNT OF UPWARD CAMBER TO BE PROVIDED.
  - INDICATES MOMENT CONNECTION FOR GRAVITY LOADS, SEE TYPICAL DETAIL ON S-401.
  - INDICATES LOCATION OF FULLY RESTRAINED BEAM TO COLUMN MOMENT CONNECTION PER DETAILS ON SHEET S-401 TO BE DESIGNED FOR LOADS SPECIFIED IN DESIGN MOMENT VALUE SCHEDULE ON SHEET S-201.
  - ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIPS, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.
  - ALL PIPING RUNS LARGER THAN 4" SHALL BE HUNG DIRECTLY FROM STEEL BEAMS AND NOT CONCRETE SLAB/METAL DECK. ANY SUPPLEMENTAL FRAMING REQUIRED FOR BUILDING SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) IS NOT BY O'DONNELL & NACCARATO.

- SW INDICATES 12" CONCRETE SHEAR WALL. SEE PLANE ELEVATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE ALL CONNECTIONS TO SHEAR WALLS FOR ELEVATOR EQUIPMENT (EMBED PL OR POST-INSTALLED ANCHORS) WITH ELEV. MFR. (NOT BY DMA).
- WP INDICATES WALL PLATE. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
- SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. DIMENSIONS ON THIS DRAWING ARE FOR CONVENIENCE ONLY AND MUST BE CHECKED WITH THE ARCHITECTURAL DRAWINGS FOR ACCURACY. DIMENSIONS ON THE ARCHITECTURAL DRAWINGS GOVERN.
- COORDINATE ALL EDGE OF SLAB DIMENSIONS AT SHAFT OPENINGS, BUILDING PERIMETER, ETC., WITH THE ARCHITECTURAL DRAWINGS.
- INDICATES CONCRETE BEAM. SEE SHEARWALL ELEVATIONS FOR REINFORCING AT OPENING.
- "CB1" INDICATES CONCRETE BEAM. PROVIDE (4) #6 (BOTT.) ADDITIONAL BARS, CONTINUE Ld EACH SIDE OF OPENING (MIN.).
- "L" INDICATES CONTINUOUS L4x4x3/8 WITH 3/8" STIFFENER PLATE @ 24" OC. PROVIDE 3/8"x1'-0" EMBED PLATE AT 3'-0" OC AND EACH END WITH (4) 1/2"x4" HEADED STUDS. WELD CONTINUOUS L4x4 TO EMBED PLATE.
- TOP OF CONCRETE WALL TO BE BRACED TO UNDER OF BEAMS/SLAB WITH (2) L4x4x5/16x6'-0" (ONE EACH SIDE OF WALL) AT 4'-0" OC WITH (2) 1/2" EXPANSION BOLTS (MIN.).
- STAIR LANDING FRAMING WITHIN STAIR SHAFTS TO BE COORDINATED WITH STAIR MANUFACTURER SHOP DRAWINGS FOR FINAL SUPPORT BEAM LOCATION, TYPICAL ALL FLOORS.
- "HA" INDICATES HSS8x6 HANGER ABOVE SEE COLUMN SCHEDULE AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.



No.	Date	Description
7	01/12/2024	Addendum No. 07
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Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
 81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

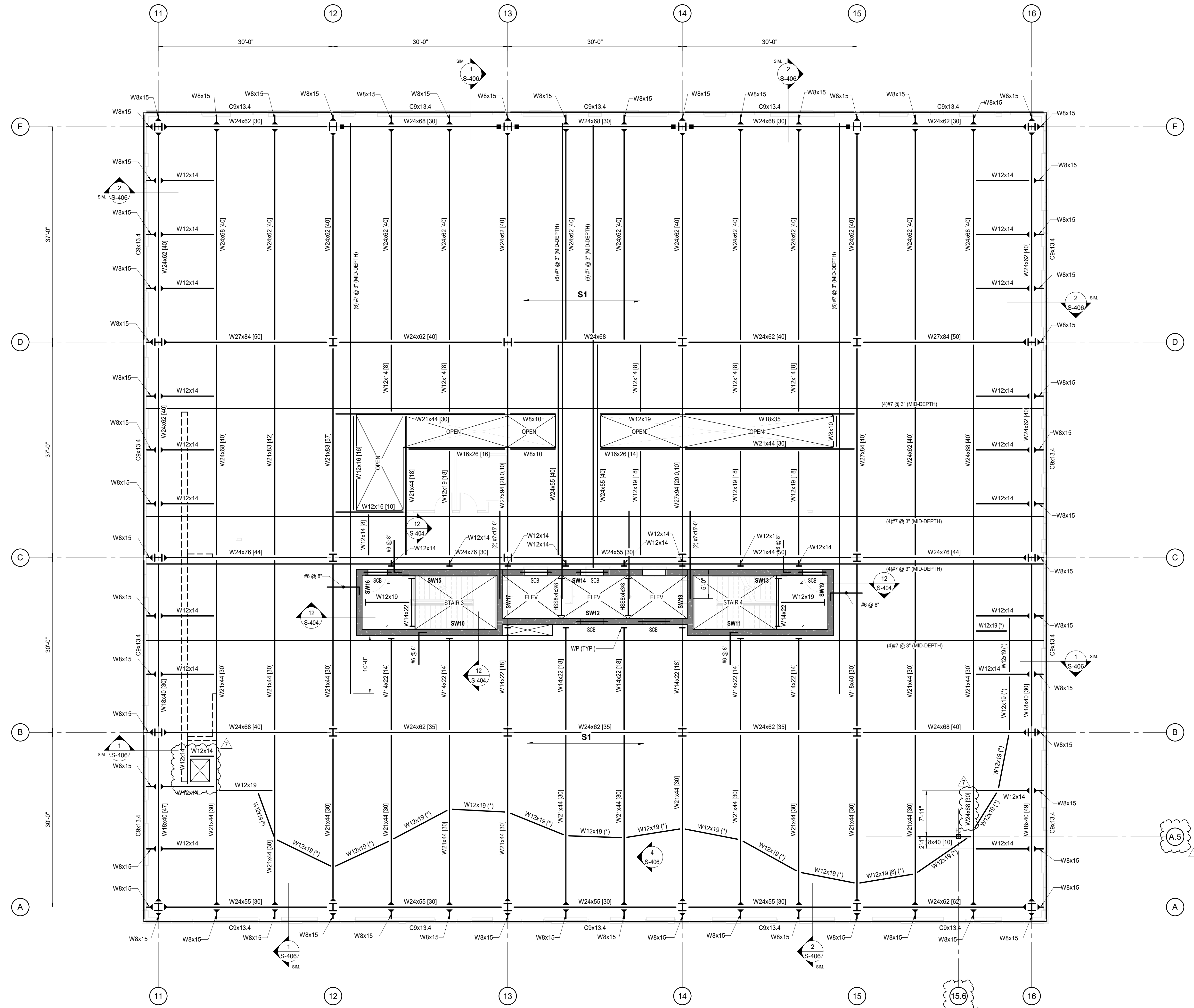
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 Project No: 20.072  
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 Drawn By: DMA  
 Checked By: DMA

Sheet Name: **BUILDING NO. 2 - LEVEL 1 FRAMING PLAN**

Sheet No:

**S-111**

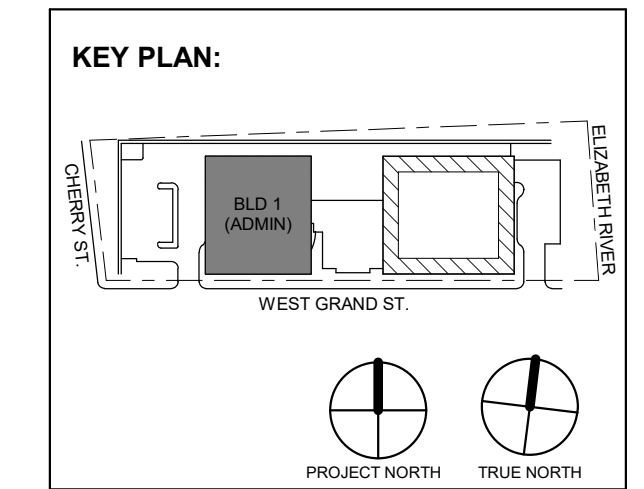




**BUILDING NO. 2 - LEVEL 2 FRAMING PLAN**  
 SCALE: 1/8" = 1'-0"

- NOTES:**
- 1) TOP OF SLAB ELEVATION = +18'-0" (ACTUAL ELEVATION 50.15'), UNLESS NOTED OTHERWISE.
  - 2) TOP OF STEEL (DECK BEARING) (+6 1/2") FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.
  - 3) INDICATES 4 1/2" NORMAL WEIGHT CONCRETE W/ 6# W2.1 x W2.1 WWF OVER 2" 18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (6 1/2" TOTAL THICKNESS).
  - 4) [ ] INDICATES QUANTITY OF 3/4" x 5 1/2" COMPOSITE SHEAR STUDS.
  - 5) "c" INDICATES AMOUNT OF UPWARD CAMBER TO BE PROVIDED.
  - 6) INDICATES MOMENT CONNECTION FOR GRAVITY LOADS, SEE TYPICAL DETAIL ON S-401.
  - 7) INDICATES LOCATION OF FULLY RESTRAINED BEAM TO COLUMN MOMENT CONNECTION PER DETAILS ON SHEET S-401 TO BE DESIGNED FOR LOADS SPECIFIED IN DESIGN MOMENT VALUE SCHEDULE ON SHEET S-201.
  - 8) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIPS UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.

- 9) ALL PIPING RUNS LARGER THAN 4" Ø SHALL BE HUNG DIRECTLY FROM STEEL BEAMS AND NOT CONCRETE SLAB/METAL DECK. ANY SUPPLEMENTAL FRAMING REQUIRED FOR BUILDING SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) IS NOT BY O'DONNELL & NACORRATO.
- 10) INDICATES 12" CONCRETE SHEAR WALL. SEE PLANE ELEVATIONS FOR ADDITIONAL INFORMATION.
- 11) COORDINATE ALL CONNECTIONS TO SHEAR WALLS FOR ELEVATOR EQUIPMENT (EMBED PL OR POST-INSTALLED ANCHORS) WITH ELEV. MFR. (NOT BY DMA).
- 12) (C) INDICATES BEAMS TO ALIGN W/ CURTAINWALL. COORDINATION LOCATION WITH ARCHITECTURAL DRAWINGS.
- 13) INDICATES CAST-IN WALL PLATE. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
- 14) "SCB" INDICATES CONCRETE BEAM. SEE SHEARWALL ELEVATIONS FOR REINFORCING AT OPENING.
- 15) "L" INDICATES CONTINUOUS L4x4x3/8 WITH 3/8" STIFFENER PLATE @ 24" OC. PROVIDE 3/8"x1'-0" EMBED. PLATE AT 3'-0" OC AND EACH END WITH (4) 1/2"x4" HEADED STUDS. WELD CONTINUOUS L4x4 TO EMBED. PLATE.
- 16) STAIR LANDING FRAMING WITHIN STAIR SHAFTS TO BE COORDINATED WITH STAIR MANUFACTURER SHOP DRAWINGS FOR FINAL SUPPORT BEAM LOCATION. TYPICAL ALL FLOORS.
- 17) "HD" INDICATES HSS8x6 HANGER DOWN. SEE COLUMN SCHEDULE AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION.



No.	Date	Description
7	01/12/2024	Addendum No. 07
	11/08/2023	For Public Bid
Revisions / Issues		



Jeffrey D. Evans, PE  
 NJ CES22604  
 Expiration Date: 04/30/2024



Client: UNION COUNTY IMPROVEMENT AUTHORITY

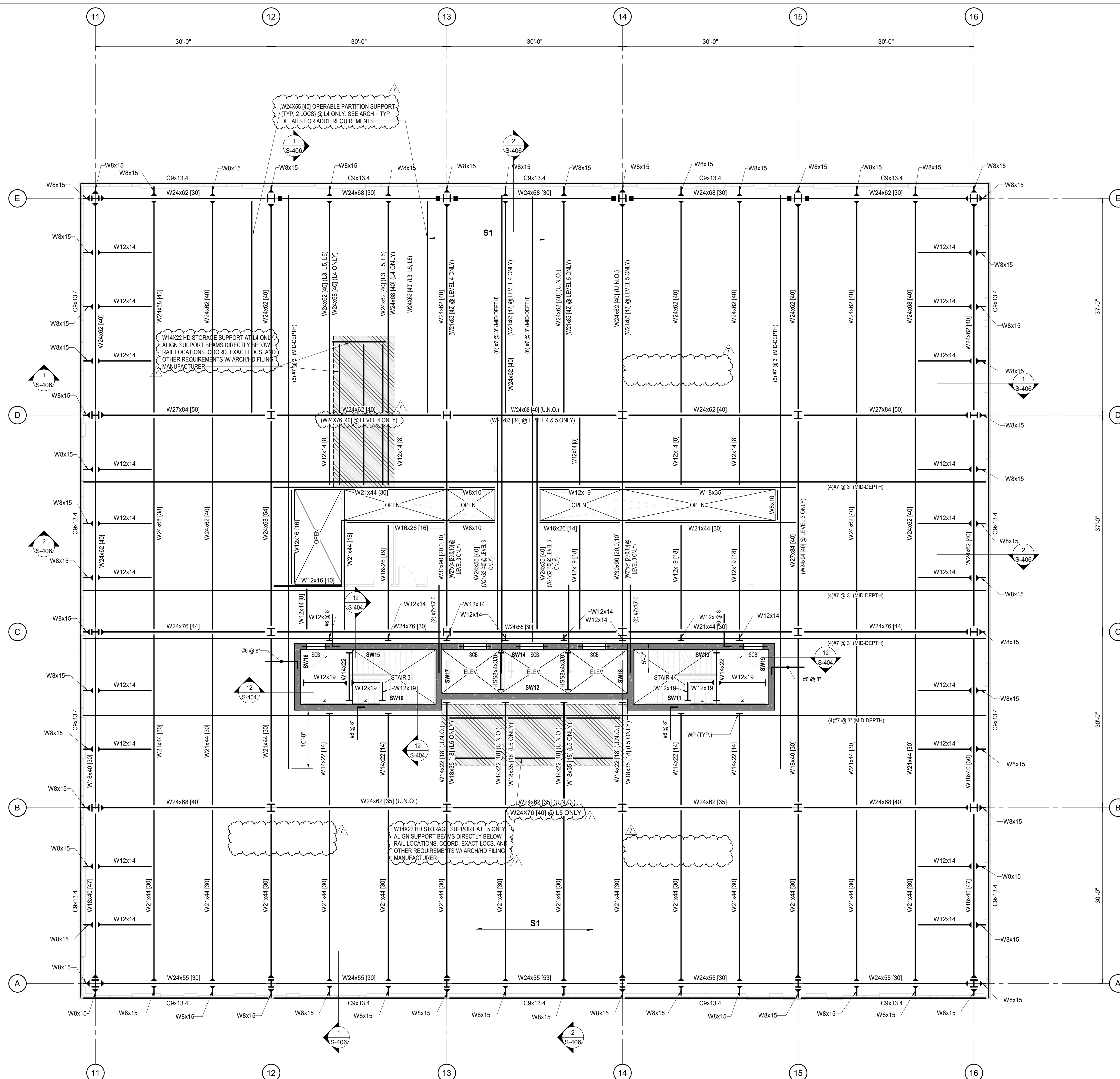
Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
 81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

Drawing Information:  
 Project No: 20.072  
 Date: 11.08.2023  
 Drawn By: DMA  
 Checked By: DMA

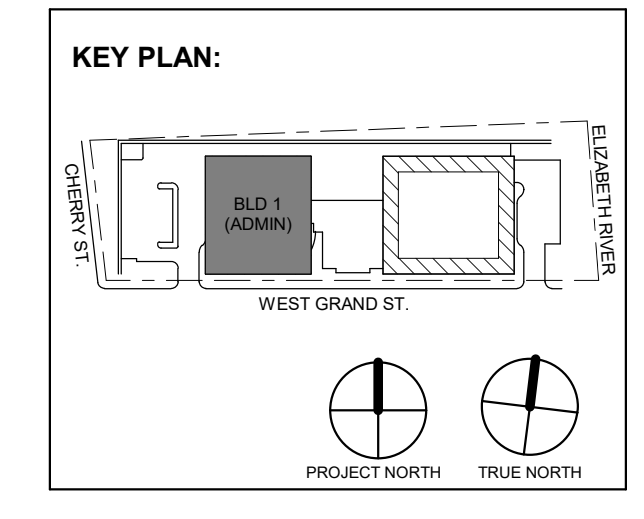
Sheet Name: BUILDING NO. 2 - LEVEL 2 FRAMING PLAN

Sheet No: S-112





**DAVID MASON**  
+ ASSOCIATES  
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No.	Date	Description
7	01/12/2024	Addendum No. 07
11	08/2023	For Public Bid

**DIGroupArchitecture**  
ARCHITECTURE FOR CHANGE  
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2450 W. Hunting Park Ave • Philadelphia, PA 19122 • T. 215.634.3400

Jeffrey D. Evans, PE  
NJ CES26204  
Expiration Date: 04/30/2024



**BUILDING NO. 2 - LEVEL 3 THRU LEVEL 6 FRAMING PLANS**  
SCALE: 1/8" = 1'-0"

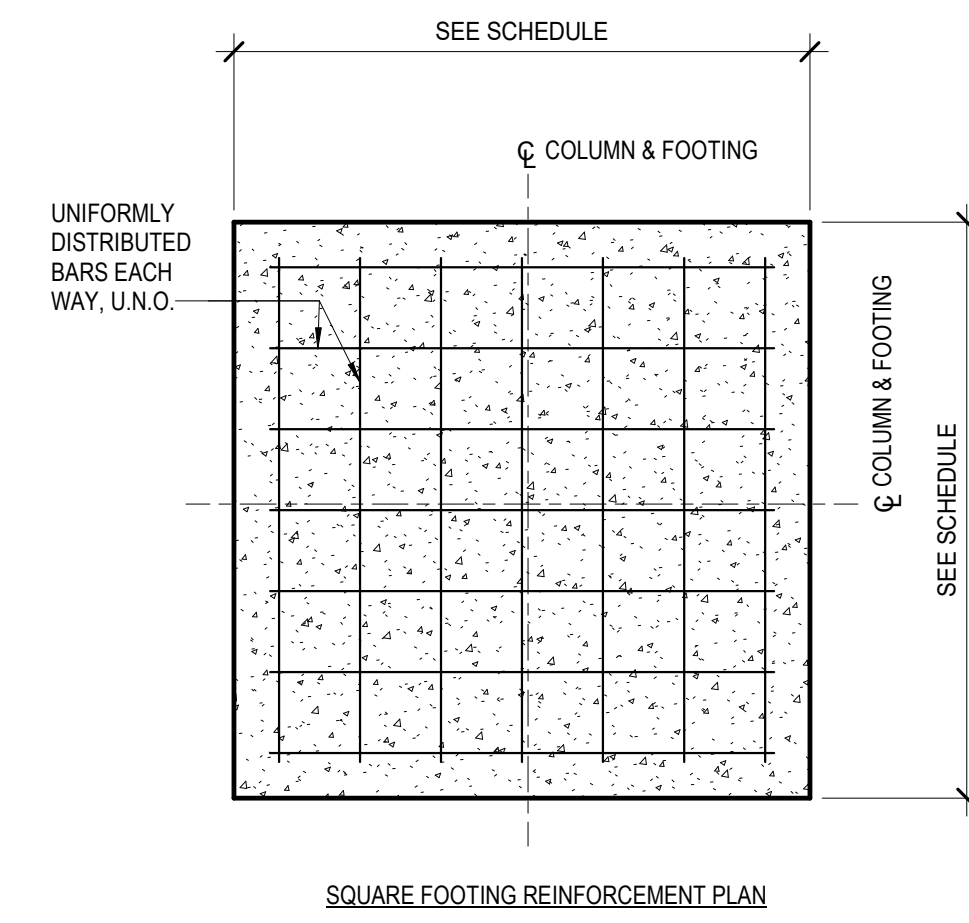
- NOTES:**
- 1) TOP OF SLAB ELEVATION:  
LEVEL 3: +32'-0" (ACTUAL ELEVATION 64.15')  
LEVEL 4: +46'-0" (ACTUAL ELEVATION 78.15')  
LEVEL 5: +50'-0" (ACTUAL ELEVATION 82.15')  
LEVEL 6: +74'-0" (ACTUAL ELEVATION 106.15')  
FROM DATUM ELEVATION 0'-0" UNLESS NOTED OTHERWISE.
  - 2) TOP OF STEEL DECK BEARING (+6 1/2") FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.
  - 3)  $\frac{12}{12}$  INDICATES 4 1/2" NORMAL WEIGHT CONCRETE W/ 6# W2 x 12 W1F OVER 2" 18 GA. GALV. LOCK-FLOOR COMPOSITE DECK (1/2" TOTAL THICKNESS).
  - 4) | | INDICATES QUANTITY OF 3/4" x 5 1/2" COMPOSITE SHEAR STUDS.
  - 5)  $\frac{1}{2}$  INDICATES AMOUNT OF UPWARD CAMBER TO BE PROVIDED.
  - 6)  $\frac{1}{2}$  INDICATES MOMENT CONNECTION FOR GRAVITY LOADS. SEE TYPICAL DETAIL ON S-401.
  - 7) INDICATES LOCATION OF FULLY RESTRAINED BEAM TO COLUMN MOMENT CONNECTION PER DETAILS ON SHEET S-401 TO BE DESIGNED FOR LOADS SPECIFIED IN DESIGN MOMENT VALUE SCHEDULE ON SHEET S-201.
  - 8) ALL BEAM/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 kips, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS.

- 9) ALL PIPING RUNS LARGER THAN 4" Ø SHALL BE HUNG DIRECTLY FROM STEEL BEAMS AND NOT CONCRETE SLAB/METAL DECK. ANY SUPPLEMENTAL FRAMING REQUIRED FOR BUILDING SYSTEMS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) IS NOT BY O'DONNELL & NACCARATO.
- 10)  $\frac{12}{12}$  INDICATES 12" CONCRETE SHEAR WALL. SEE PLANE ELEVATIONS FOR ADDITIONAL INFORMATION.
- 11) COORDINATE ALL CONNECTIONS TO SHEAR WALLS FOR ELEVATOR EQUIPMENT (EMBED PL OR POST-INSTALLED ANCHORS) WITH ELEV. MFR. (NOT BY DMA).
- 12) (\*) INDICATES BEAMS TO ALIGN W/ CURTAINWALL COORDINATION LOCATION WITH ARCHITECTURAL DRAWINGS.
- 13)  $\frac{1}{2}$  INDICATES CAST-IN WALL PLATE. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
- 14) "SCB" INDICATES CONCRETE BEAM. SEE SHEARWALL ELEVATIONS FOR REINFORCING AT OPENING.
- 15) "L" INDICATES CONTINUOUS L4x4x3/8 WITH 3/8" STIFFENER PLATE @ 24" OC. PROVIDE 3/8"x1'-0" EMBED. PLATE AT 3'-0" OC AND EACH END WITH (4) 1/2" Øx4" HEADED STUDS. WELD CONTINUOUS L4x4 TO EMBED. PLATE.
- 16) STAIR LANDING FRAMING WITHIN STAIR SHAFTS TO BE COORDINATED WITH STAIR MANUFACTURER SHOP DRAWINGS FOR FINAL SUPPORT BEAM LOCATION, TYPICAL ALL FLOORS.

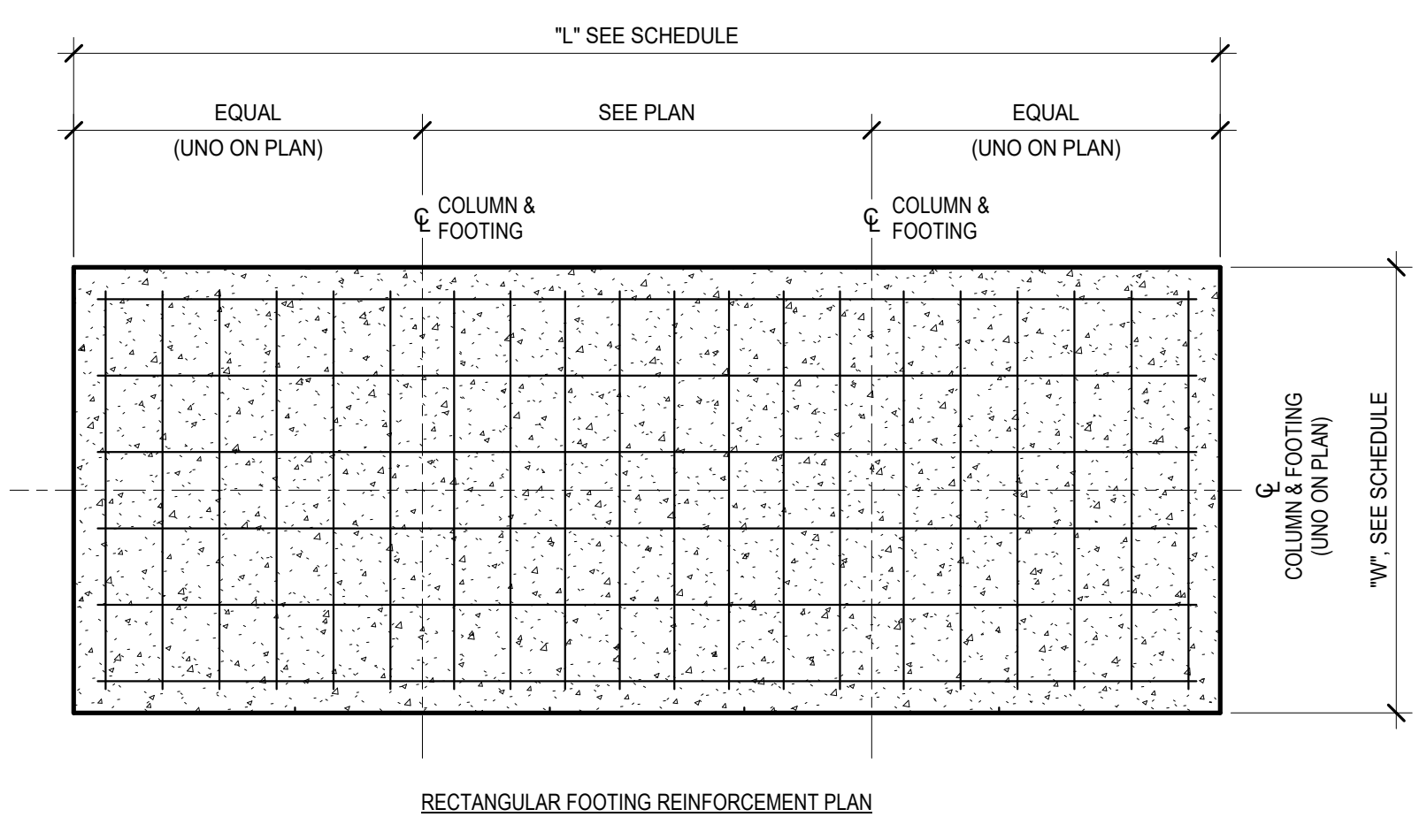






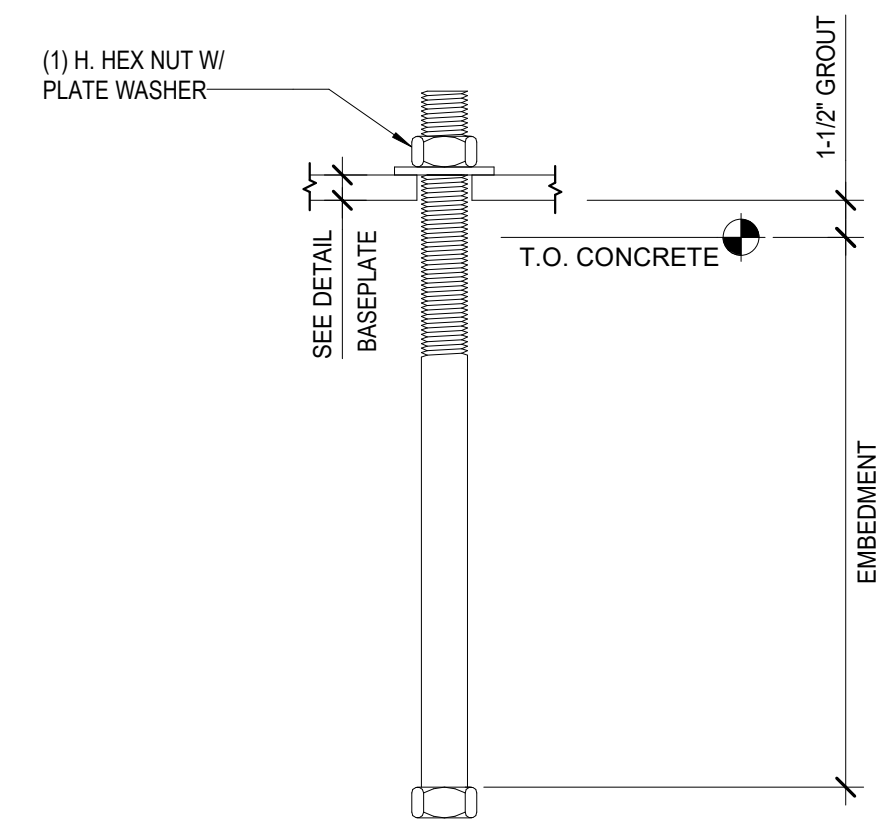


**1 SPREAD FOOTING (SQUARE) DETAIL AND SCHEDULE**  
S-201 Scale: 3/4" = 1'-0"



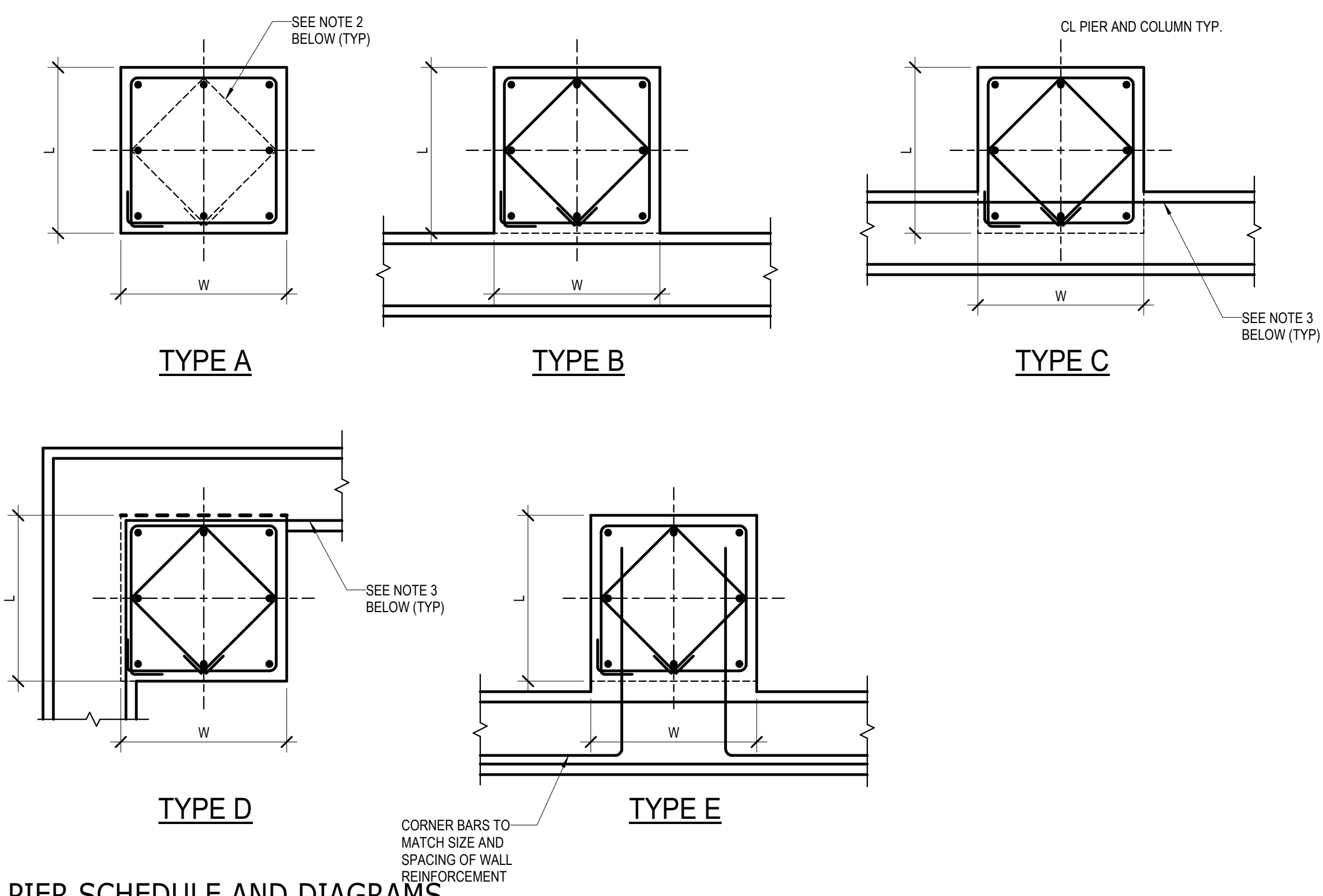
**2 RECTANGULAR FOOTING DETAIL AND SCHEDULE**  
S-201 Scale: 3/4" = 1'-0"

NOTES:  
1. BARS TO BE DISTRIBUTED EVENLY OVER FOUNDATION LENGTH / WIDTH

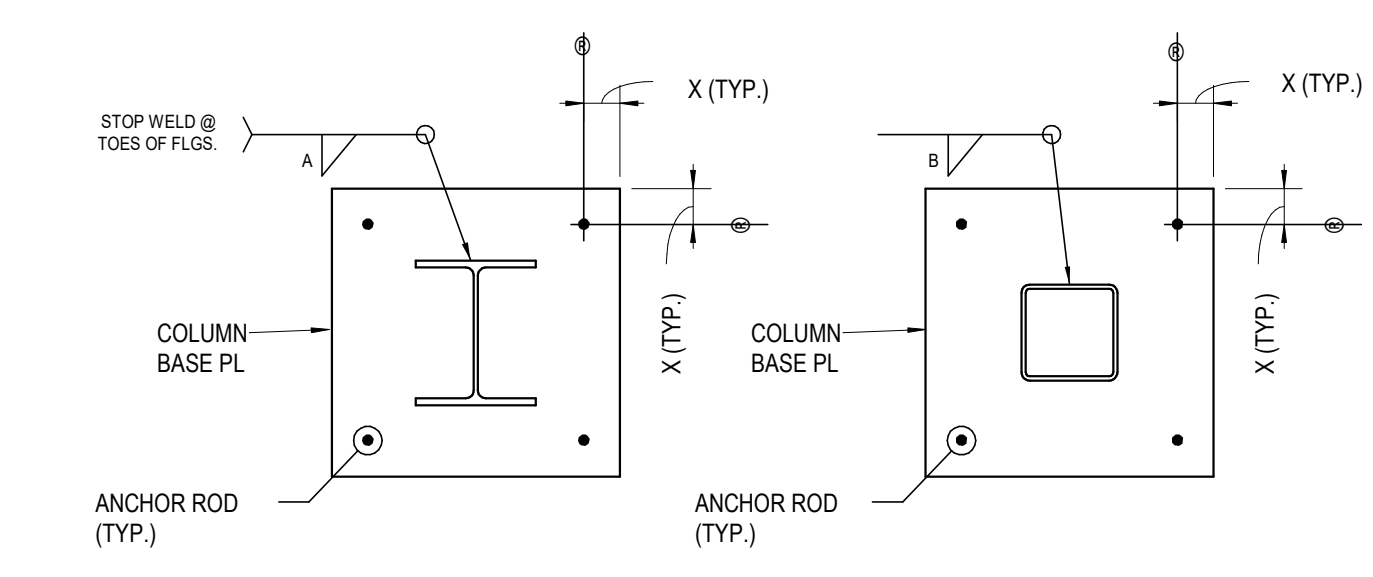


**3 TYPICAL ANCHOR BOLT DETAIL**  
S-201 Scale: 1 1/2" = 1'-0"

NOTE:  
1. PROVIDE LEVELING PLUSHIMS OR LEVELING NUTS/WASHERS AS REQ'D TO SET COLUMN.



**4 PIER SCHEDULE AND DIAGRAMS**  
S-201 Scale: 3/4" = 1'-0"



ANCH. ROD DIA.	DIMENSION "X"	MIN. PLATE WASHER		COLUMN MARK		WELD SIZE (IN.)		
		THICK.	SIZE	A	B	A	B	
3/4"	1 1/2"	1/4"	2"	C1, C2, C3, C3A, C4, C4A, C5, C6, C6A, C6B, C7, C8, C8A, C8B, C9, C9A, C10, C11, C12, C13	5/16	5/16		
1"	2 1/4"	3/8"	3"					
1 1/4"	2 1/2"	1/2"	3"					

**COLUMN BASE PLATE DETAIL**  
(USE ONLY AT COLUMNS INDICATED)

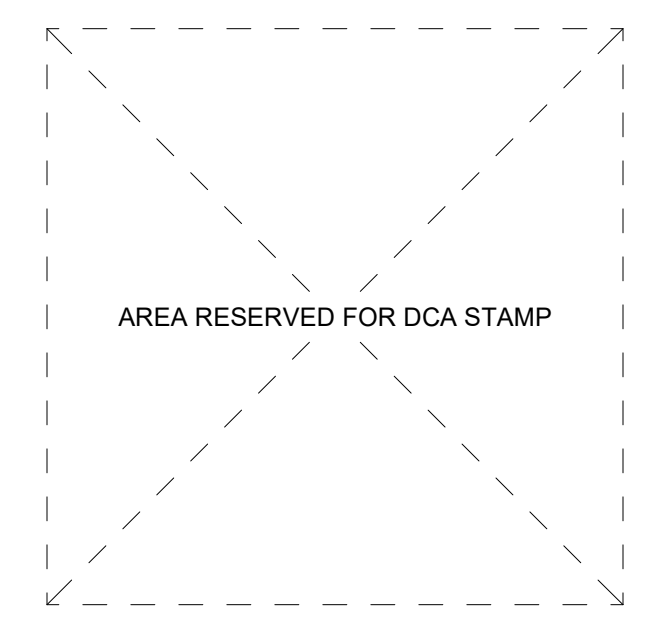
MARK	DIMENSIONS			REINFORCING
	LENGTH	WIDTH	THICKNESS	
F60A	6'-0"	6'-0"	1'-8"	(8) #6 EWB
F100A	10'-0"	10'-0"	2'-6"	(10) #8 EWB
F110A	11'-0"	11'-0"	2'-10"	(11) #8 EWB
F120A	12'-0"	12'-0"	3'-2"	(10) #9 EWB
F126A	12'-6"	12'-6"	3'-4"	(11) #9 EWB
F146A	14'-6"	14'-6"	3'-6"	(14) #9 EWB

MARK	DIMENSIONS			REINFORCING
	LENGTH	WIDTH	THICKNESS	
F50	5'-0"	5'-0"	1'-10"	(8) #5 EWB
F60	6'-0"	6'-0"	2'-2"	(11) #5 EWB
F70	7'-0"	7'-0"	2'-4"	(14) #5 EWB
F80	8'-0"	8'-0"	2'-6"	(10) #5 EWB
F86	8'-6"	8'-6"	2'-10"	(12) #5 EWB
F96	9'-6"	9'-6"	3'-0"	(8) #5 EWB
F100	10'-0"	10'-0"	3'-2"	(9) #5 EWB
F110	11'-0"	11'-0"	3'-6"	(10) #10 EWB

MARK	SIZE	REINFORCING
F30	30' x 30' CONC.	(12) #8 VERT. w/ #4 TIES @ 12"; GROUP (4) TIES @ 3" TOP

MARK	DIMENSIONS		REINFORCING
	WIDTH	DEPTH	
F30.12	3'-0"	1'-0"	(5) #4 LWB #4@24 SWB
F40.16	4'-0"	1'-4"	(7) #4 LWB #5@10 SWB

MARK	LENGTH	WIDTH	THICK	REMARKS



No.	Date	Description
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Client: UNION COUNTY IMPROVEMENT AUTHORITY

Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

Drawing Information:  
Project No: 20.072  
Date: 11.08.2023  
Drawn By: DMA  
Checked By: DMA

Sheet Name: SCHEDULES

Sheet No:

**S-201**



STEEL COLUMN SCHEDULE - BUILDING 1/ PLAZA

Table with columns for building levels (BLDG. 1 LEVEL 0 to BLDG. 1 LEVEL 5), steel types (e.g., W14x68, W14x67.4, HSS12x12x1/2), and column locations (A-1 to C-11). Includes base plate and anchor rods specifications.



STEEL COLUMN SCHEDULE - BUILDING 1/ PLAZA

Table with columns for building levels (BLDG. 1 LEVEL 0 to BLDG. 1 LEVEL 5), steel types (e.g., W14x68, W14x67.4, W14x69), and column locations (D-4 to E-8). Includes base plate and anchor rods specifications.

STEEL COLUMN SCHEDULE - BUILDING 2

Table with columns for building levels (BLDG. 2 LEVEL 0 to BLDG. 2 LEVEL 5), steel types (e.g., W14x48, W14x48.8, W14x48.2), and column locations (A-11 to E-16). Includes base plate and anchor rods specifications.



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Revision table with columns for No., Date, and Description.



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Project: UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2  
81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

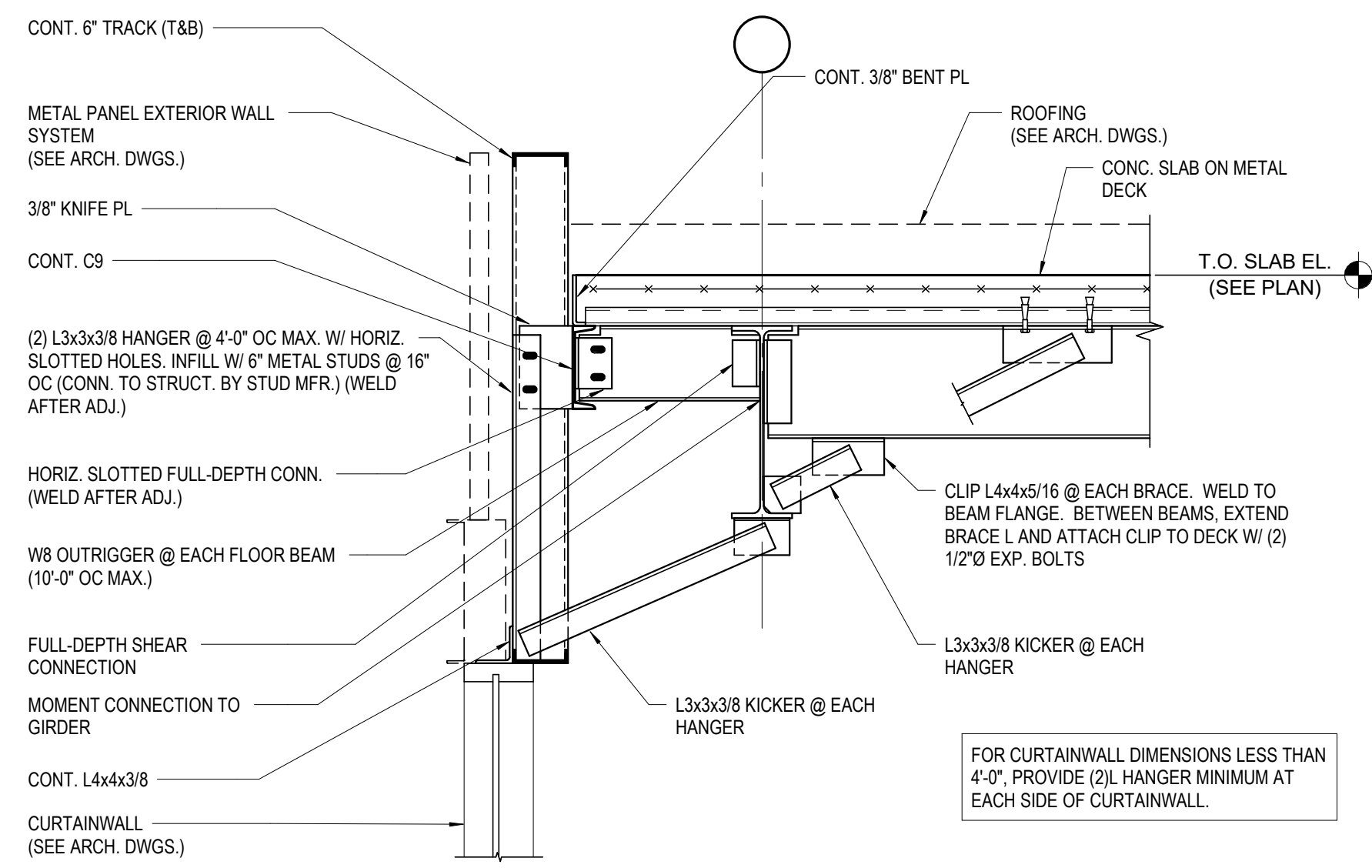
Drawing Information:  
Project No: 20.072  
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Drawn By: DMA  
Checked By: DMA

Sheet Name: COLUMN SCHEDULE

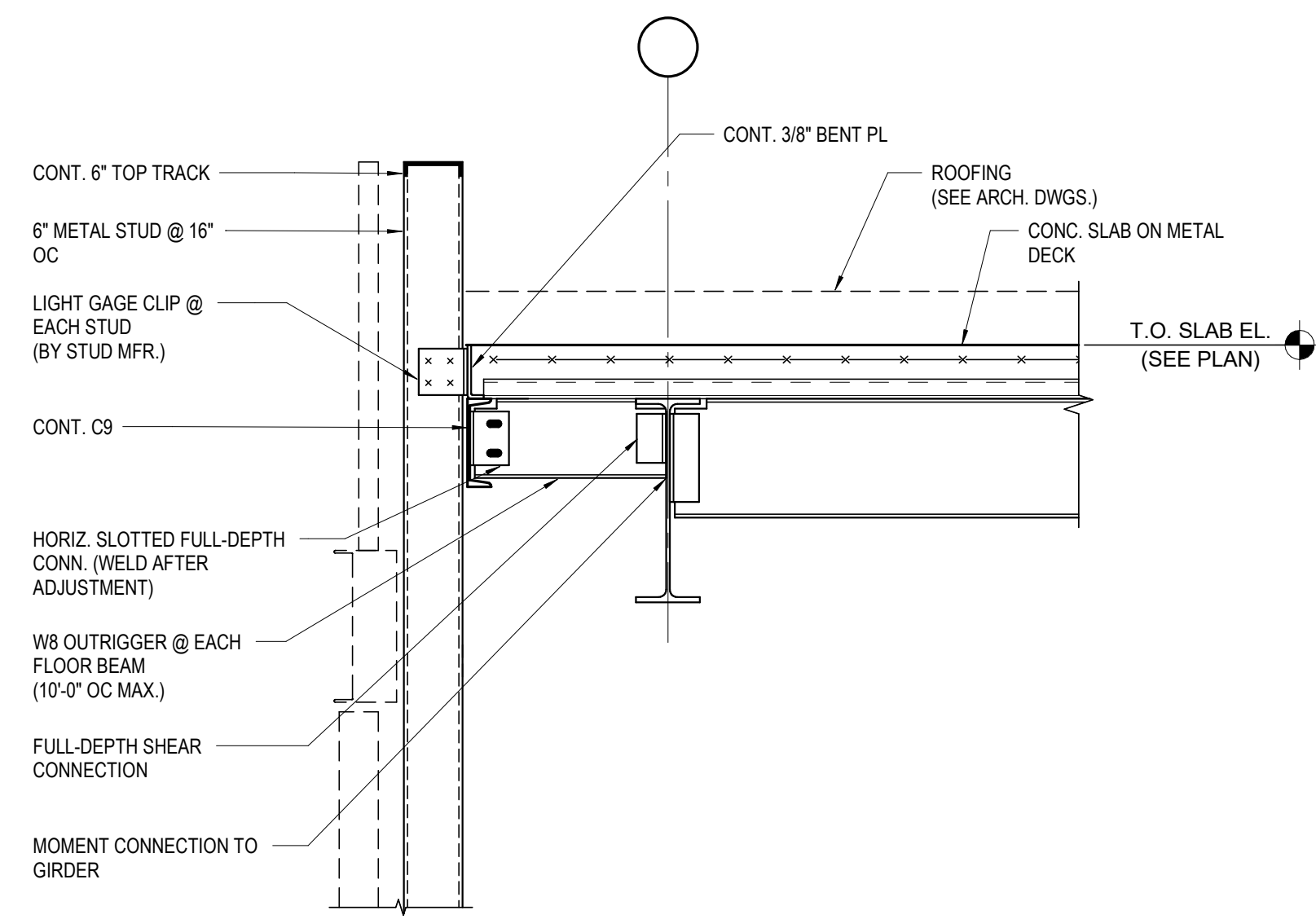
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S-203

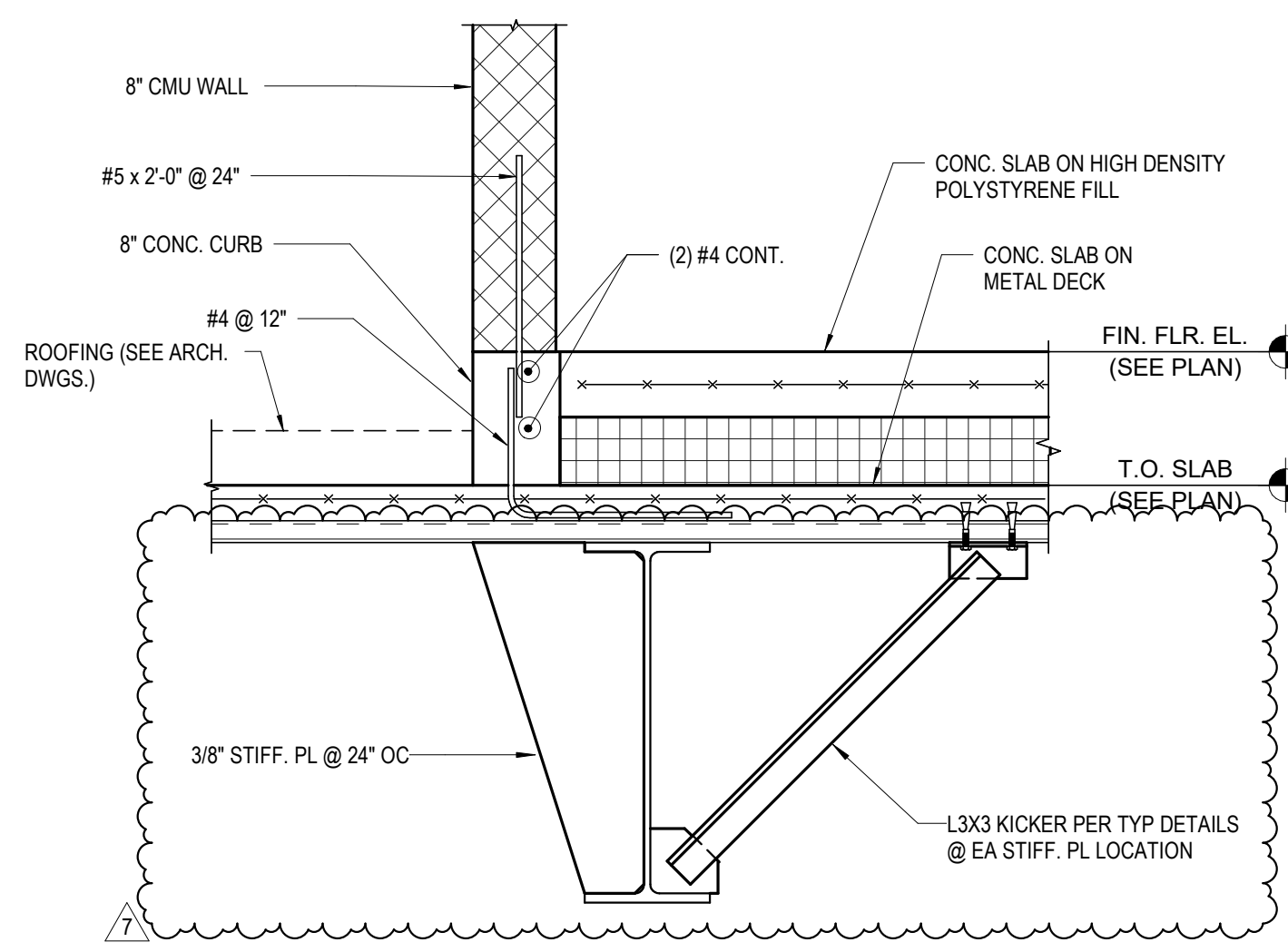




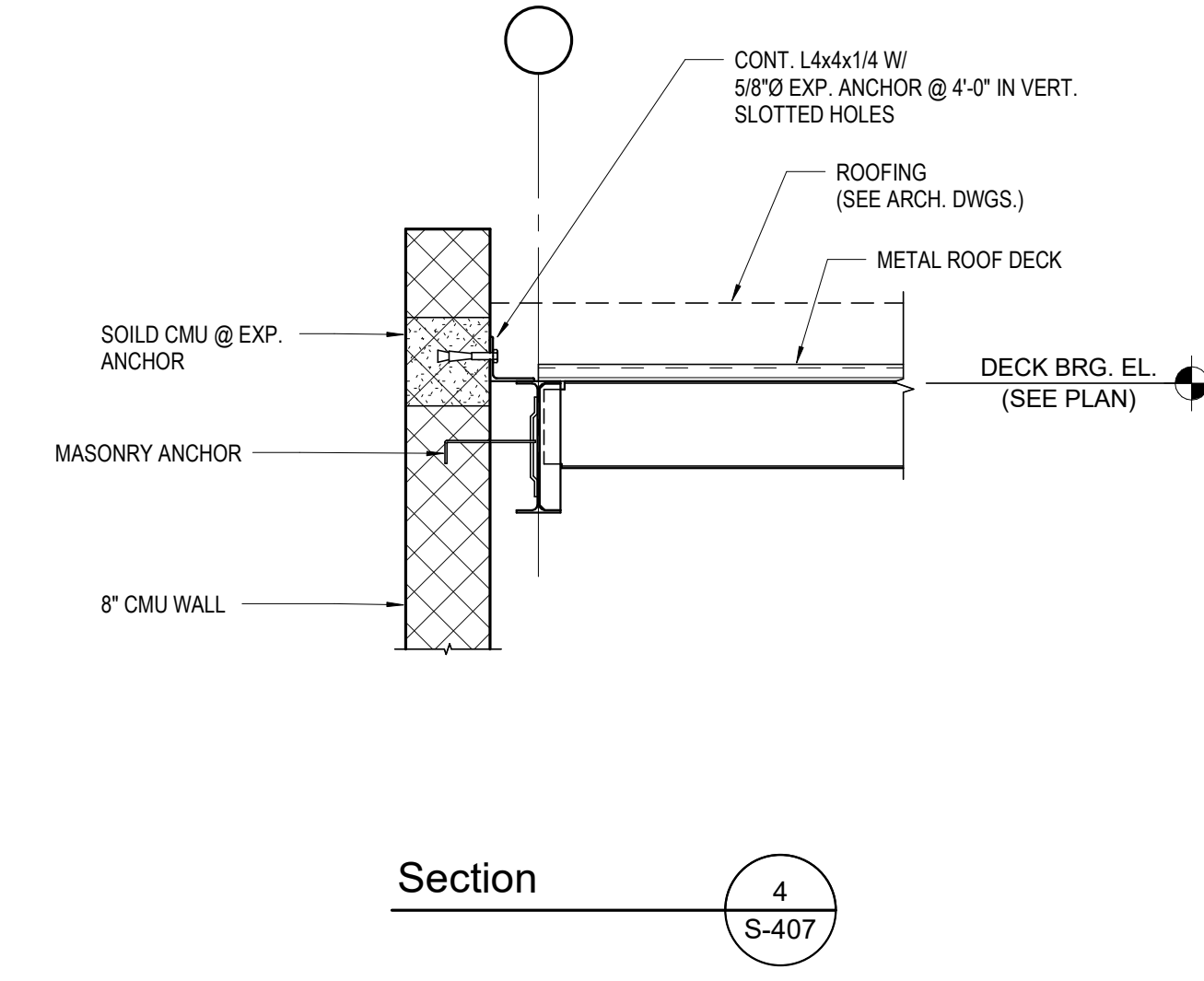
Section 1 S-407



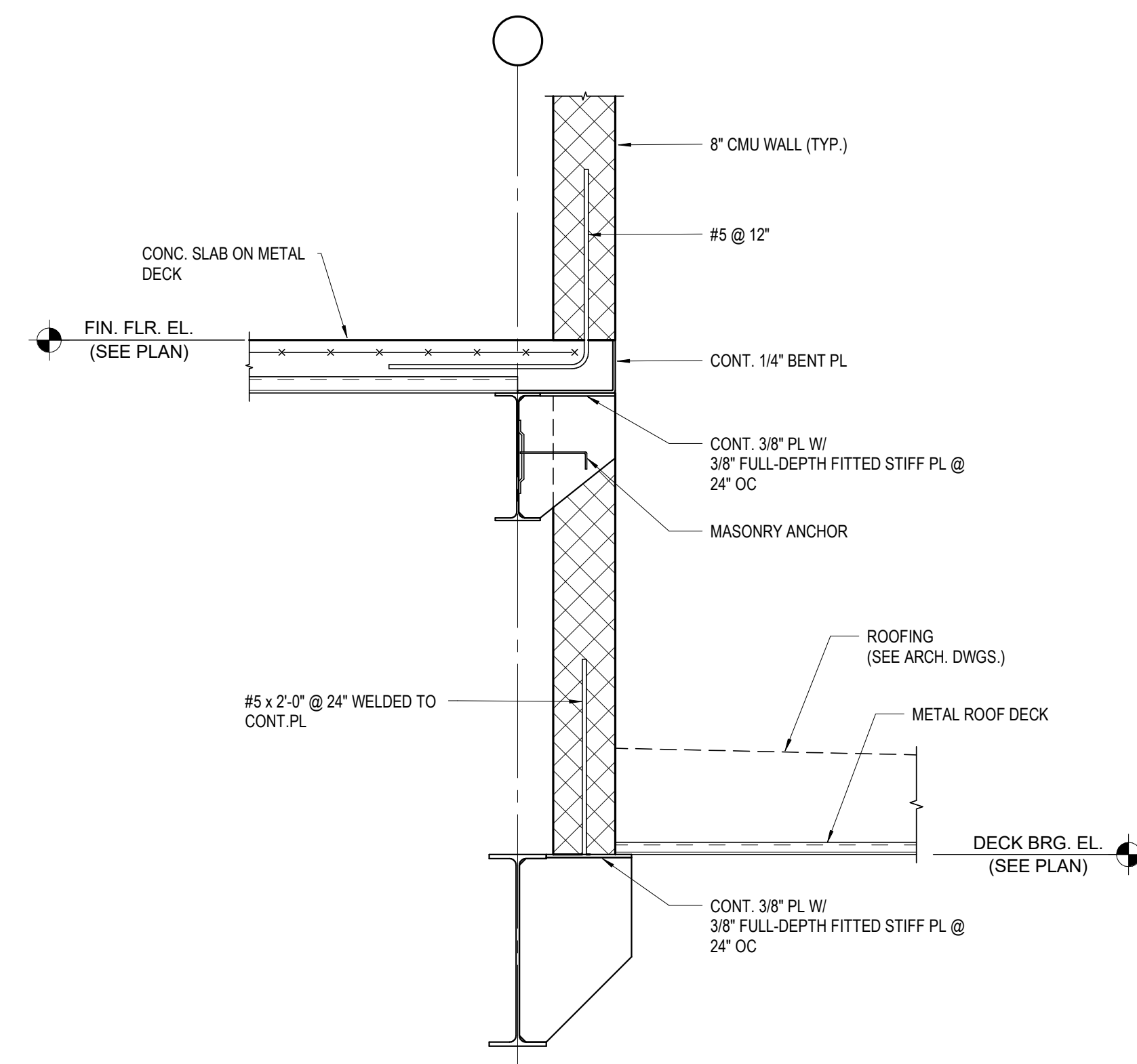
Section 2 S-407



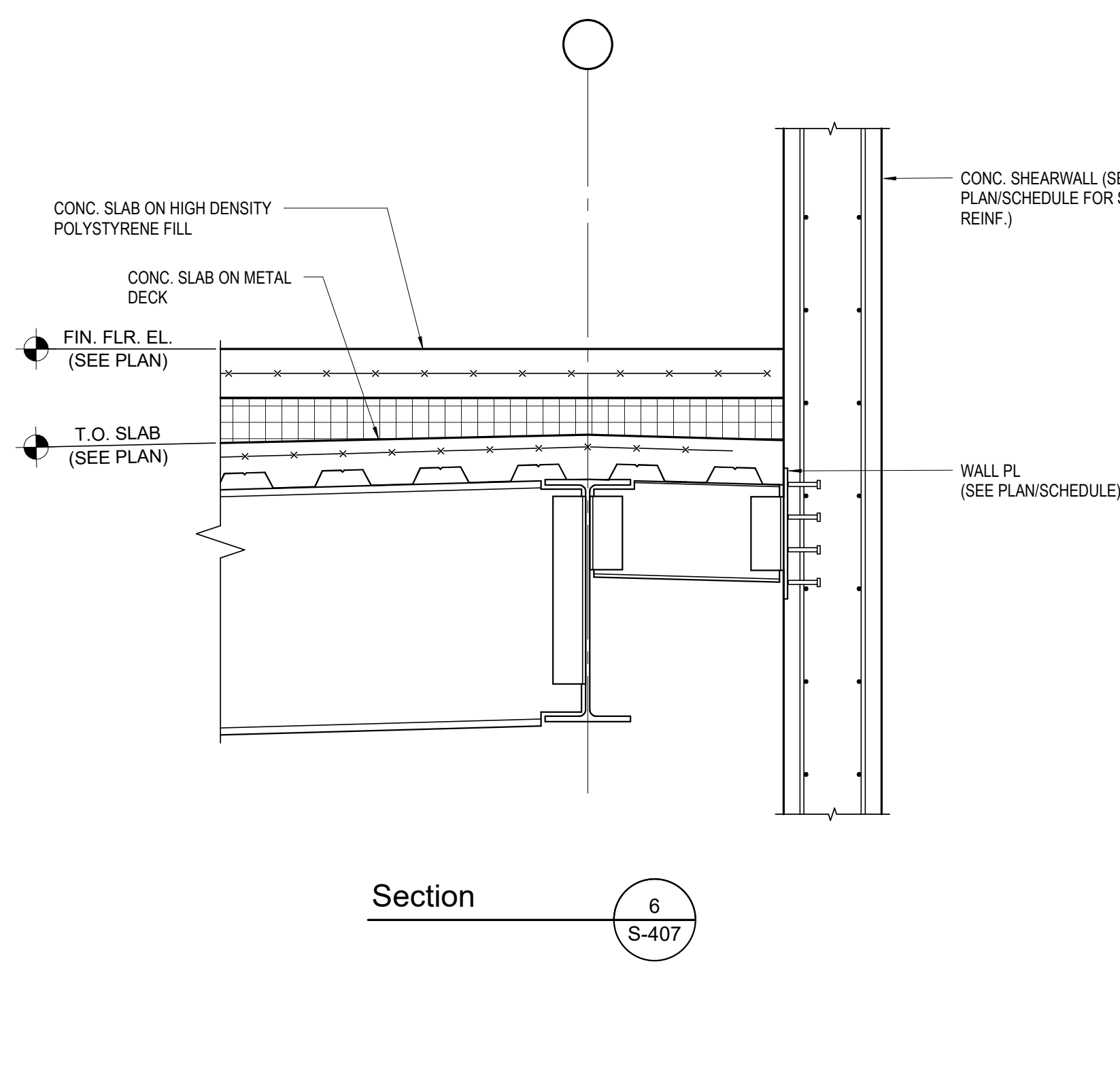
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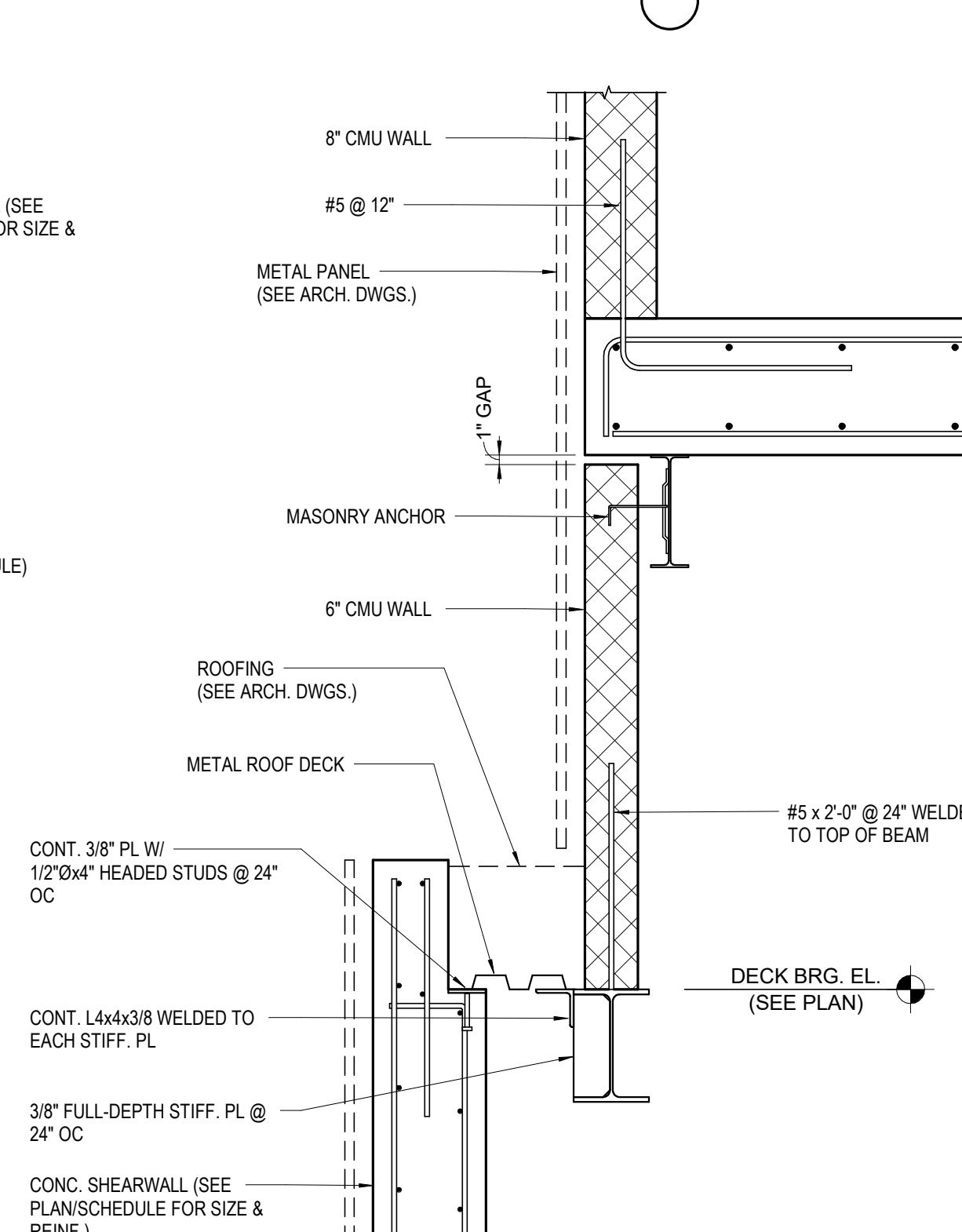
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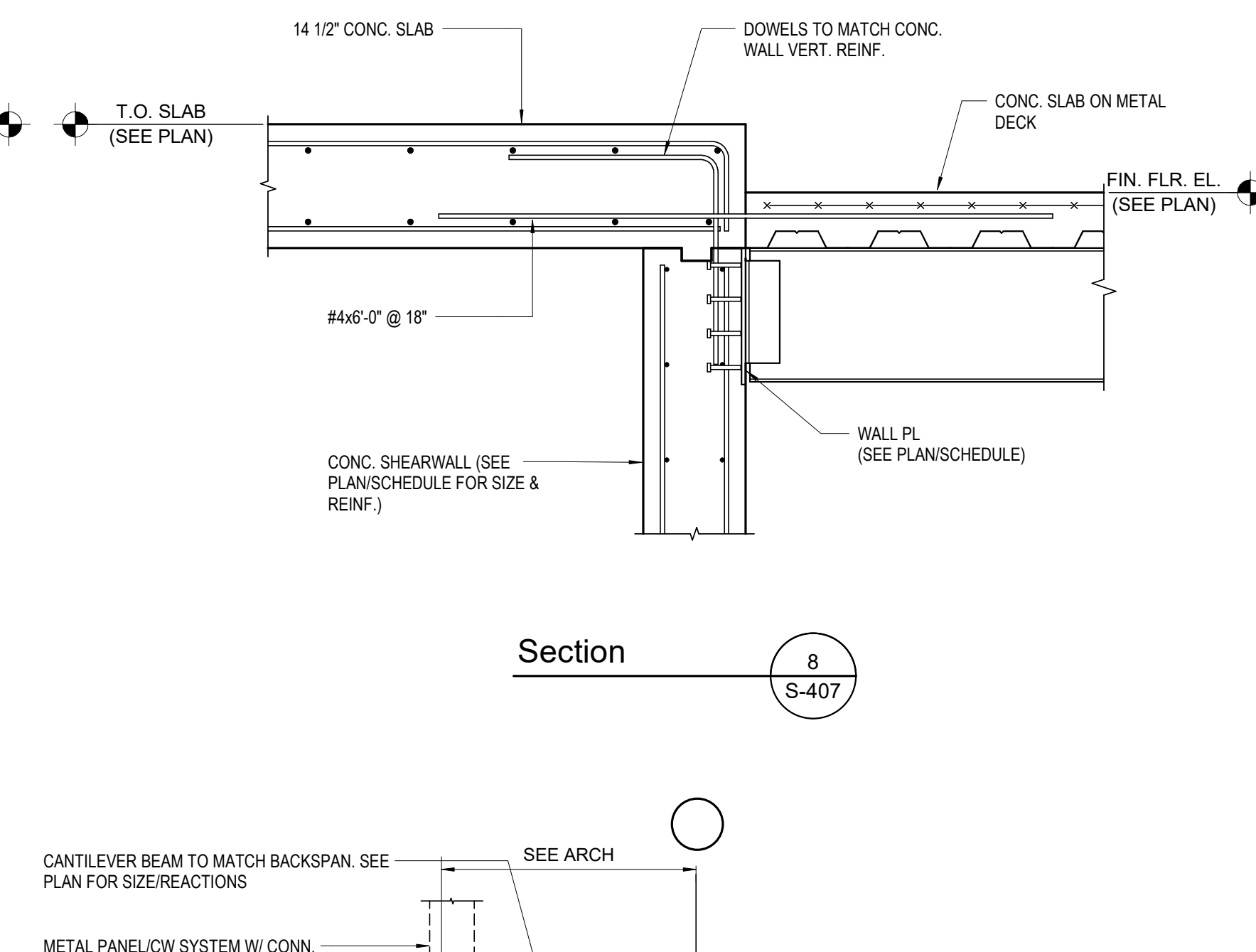
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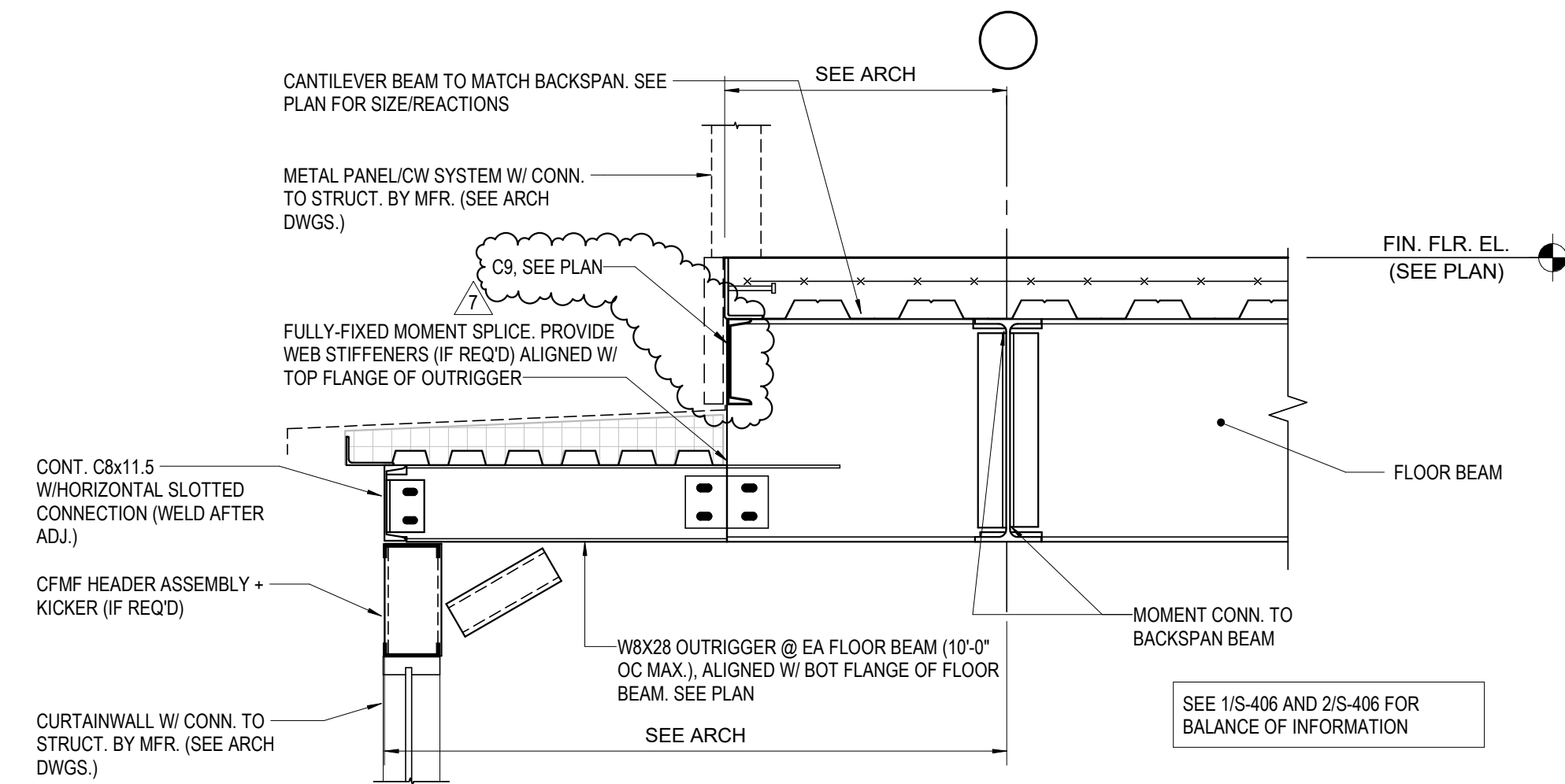
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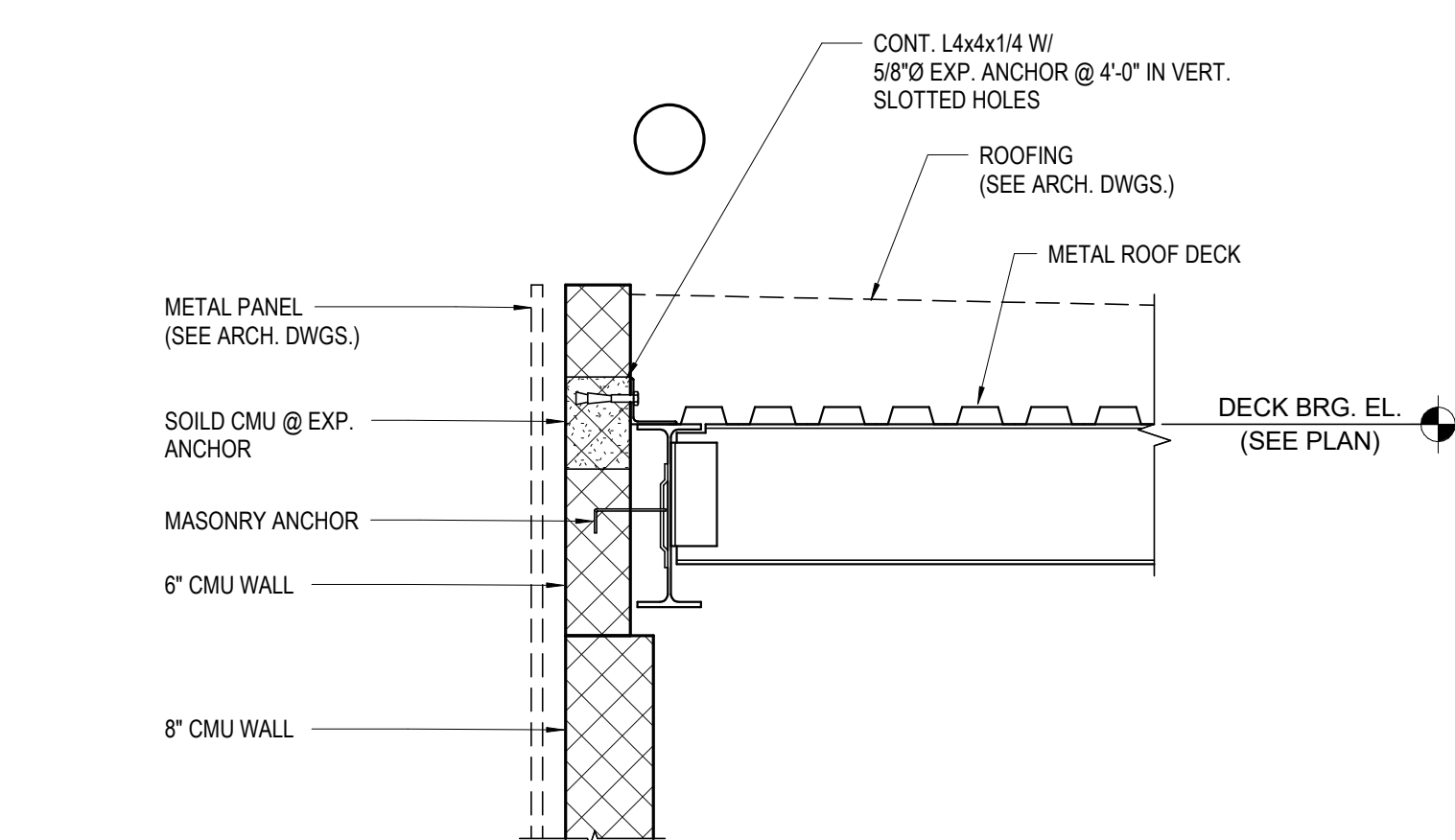
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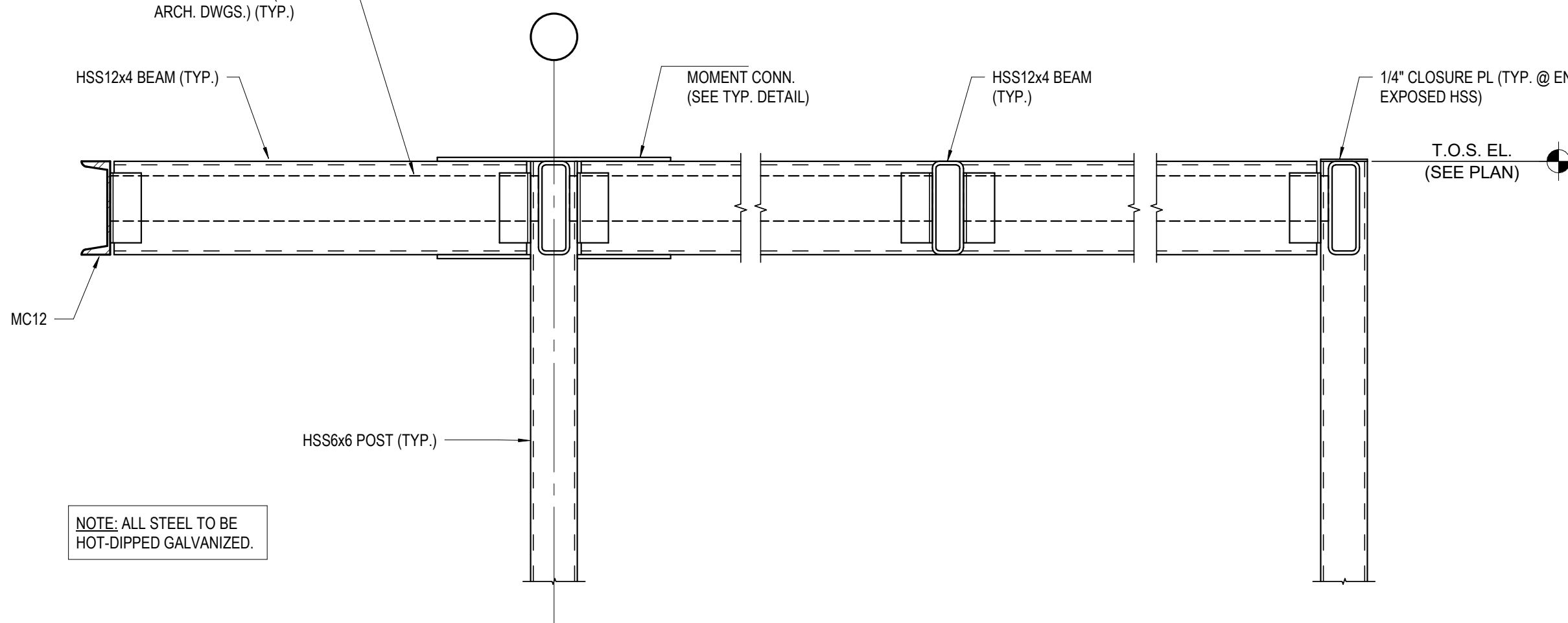
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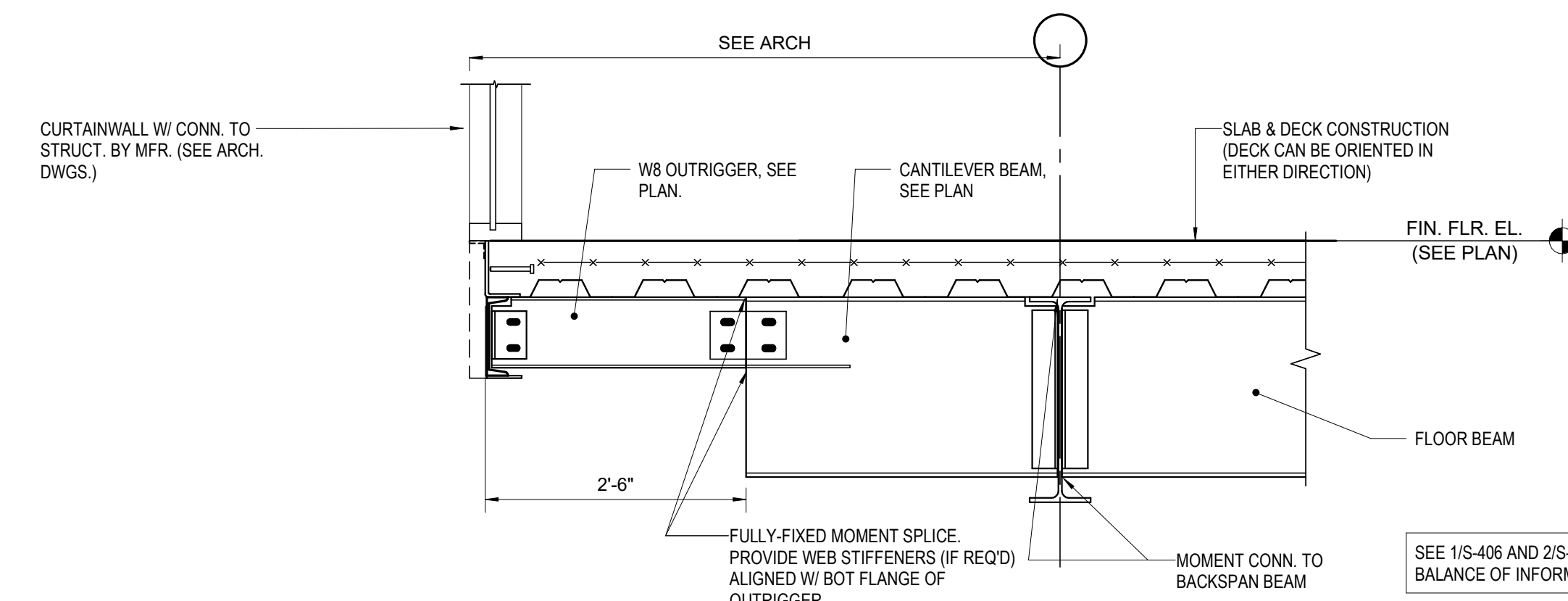
Section 11 S-407



Section 9 S-407



Section 10 S-407



Section 12 S-407



No.	Date	Description
7	01.12.2024	Addendum No. 07
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Client:  
**UNION COUNTY IMPROVEMENT AUTHORITY**

Project:  
**UNION COUNTY GOVERNMENT COMPLEX - BUILDING 2**  
 81 & 93 WEST GRAND STREET CITY OF ELIZABETH, NEW JERSEY, 07202

Drawing Information:  
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Sheet Name:  
**FRAMING SECTIONS**

Sheet No: