



Bushard Street

Brookhurst Street

J-124 DIGESTER GAS FACILITIES REPLACEMENT
| NEW COMPRESSOR BUILDING

J-124 DIGESTER GAS FACILITIES REPLACEMENT
| NEW FLARE STATION

502'-11"

527'-3"

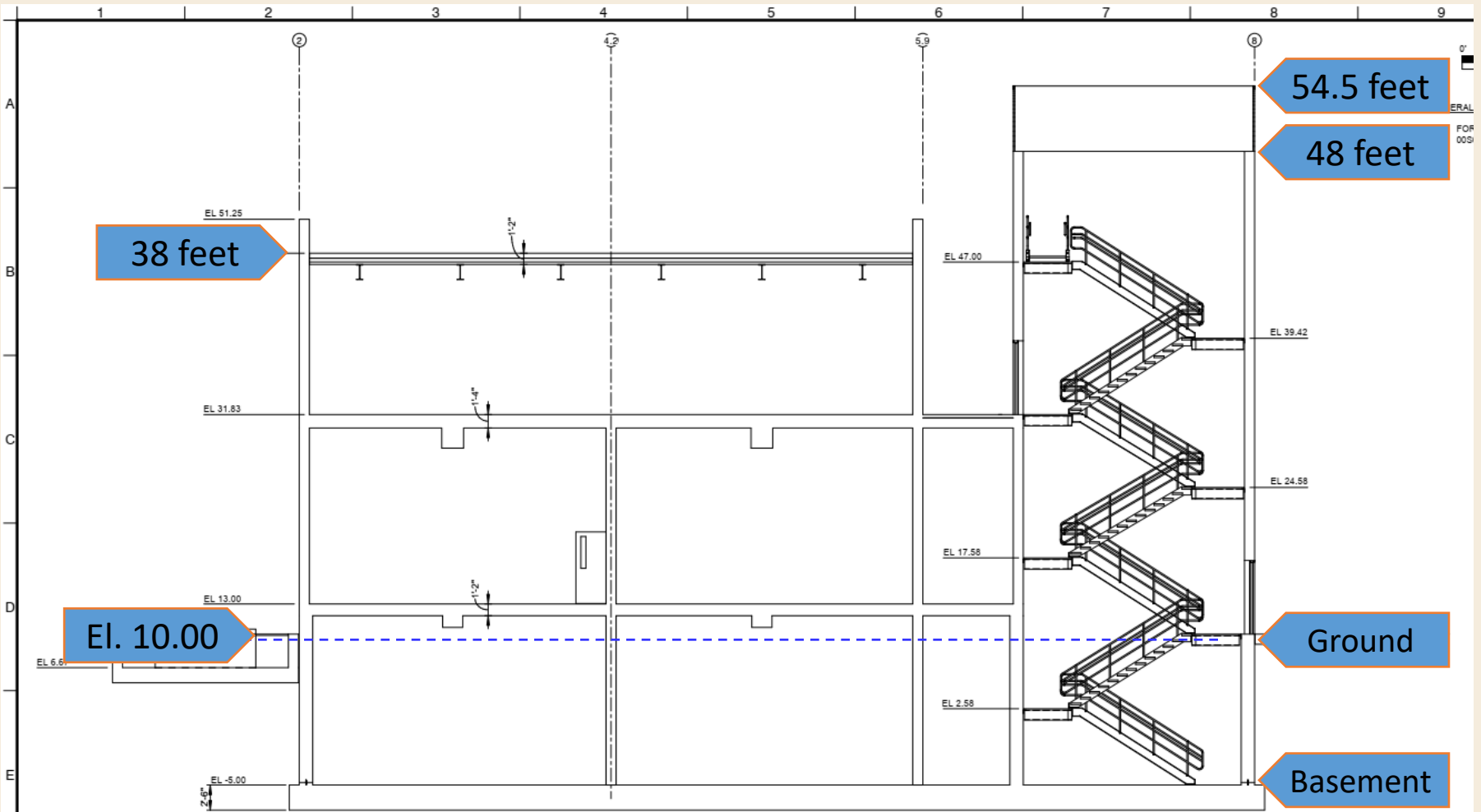
1,065'-10"

1,142'-6"

FIGURE 1. AERIAL VIEW

Plant 2 Gas Compressor Building Profile

(Heights measured at building – all heights are from the Ground Level)



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NEW GAS COMPRESSOR BUILDING

VIEW TO NORTH
NTS



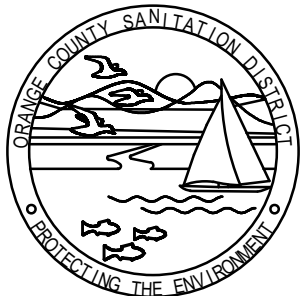
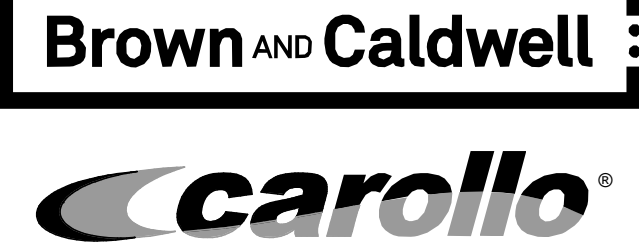
NEW GAS COMPRESSOR BUILDING

VIEW TO SOUTH
NTS

PRELIMINARY - NOT FOR CONSTRUCTION

MARK	DESIGN SUBMITTAL 2	09/20	APPR.
	DESCRIPTION	DATE	

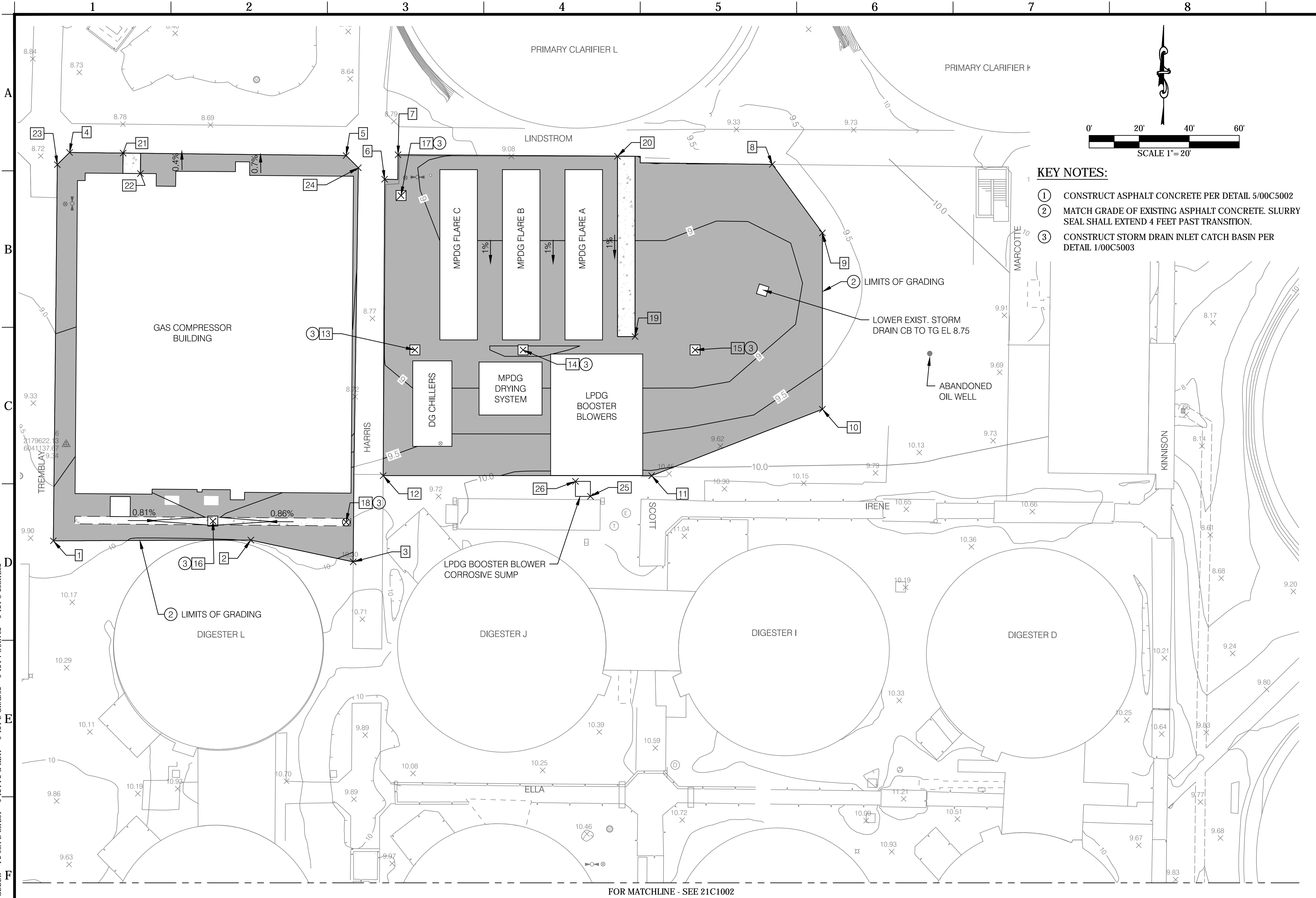
DESIGNED BY:	HOLLENBAUGH, MICHELE	- 09/20
DRAWN BY:	MCCRAW, BRANDON	- 09/20
CHECKED BY:	ALBAND, JEFF	- 09/20
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"-SCALE ACCORDINGLY)		



ORANGE COUNTY
SANITATION DISTRICT

DIGESTER GAS FACILITIES REPLACEMENT	PROJECT NO. J-124
PLANT 2 COMPRESSOR BUILDING ARCHITECTURAL RENDERINGS	DRAWING NO. 25A9001 OF XX

DWG: C:\pw_working\project\sewercs\silks\1002084\J-124\21C1001.dwg
DATE: Sep 21, 2020 11:44am
USER: ESides
J-124-P2-G-KEVP
P2-984-D-SITE01
J-124-C-GRAD02
J-124-V-SURV02
J-124-C-25SITE02



Grading and Paving Coordinate Table			
Point #	Top of Surface EL	Northing	Easting
1	9.74	2179583.59	6041132.54
2	9.99	2179583.86	6041211.45
3	10.30	2179575.19	6041252.35
4	8.74	2179738.68	6041139.03
5	8.70	2179737.46	6041249.51
6	8.85	2179728.00	6041264.90
7	8.86	2179737.77	6041270.27
8	9.50	2179733.93	6041419.79
9	9.39	2179706.55	6041439.82
10	9.67	2179636.12	6041439.82
11	10.07	2179609.62	6041371.60
12	9.83	2179609.62	6041264.33
13	8.60	2179659.81	6041277.01
14	8.40	2179659.81	6041320.21
15	8.75	2179659.81	6041388.96
16	9.31	2179591.45	6041196.32
17	8.84	2179721.48	6041271.46
18	9.74	2179591.03	6041249.55
19	8.61	2179665.17	6041364.96
20	9.42	2179737.17	6041357.96
21	8.82	2179738.44	6041160.42
22	9.00	2179730.27	6041167.33
23	8.72	2179733.84	6041134.13
24	8.75	2179732.57	6041254.40
25	10.22	2179601.33	6041347.15
26	10.11	2179607.33	6041341.15

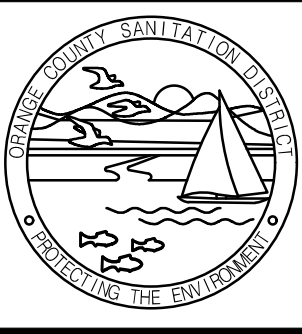
PROPERTY LEGAL DESCRIPTION:
SEE THE FOLLOWING SHEETS: TWO
SHEETS TITLED "TITLE COMMITMENT
INFORMATION"; AND TWO SHEETS TITLED
"TITLE INFORMATION MAP"

OWNER NAME AND ADDRESS:
ORANGE COUNTY SANITATION DISTRICT
10844 ELLIS AVENUE
FOUNTAIN VALLEY, CA 92708
(714) 962-2411

PRELIMINARY - NOT FOR CONSTRUCTION

MARK	DESCRIPTION	DATE	APPR.
	DESIGN SUBMITTAL 2	09/20	

DESIGNED BY:	LIN, MIKE	-09/20
DRAWN BY:	RAMIREZ, SARAH	-09/20
CHECKED BY:	GANZ, JON	-09/20
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)		

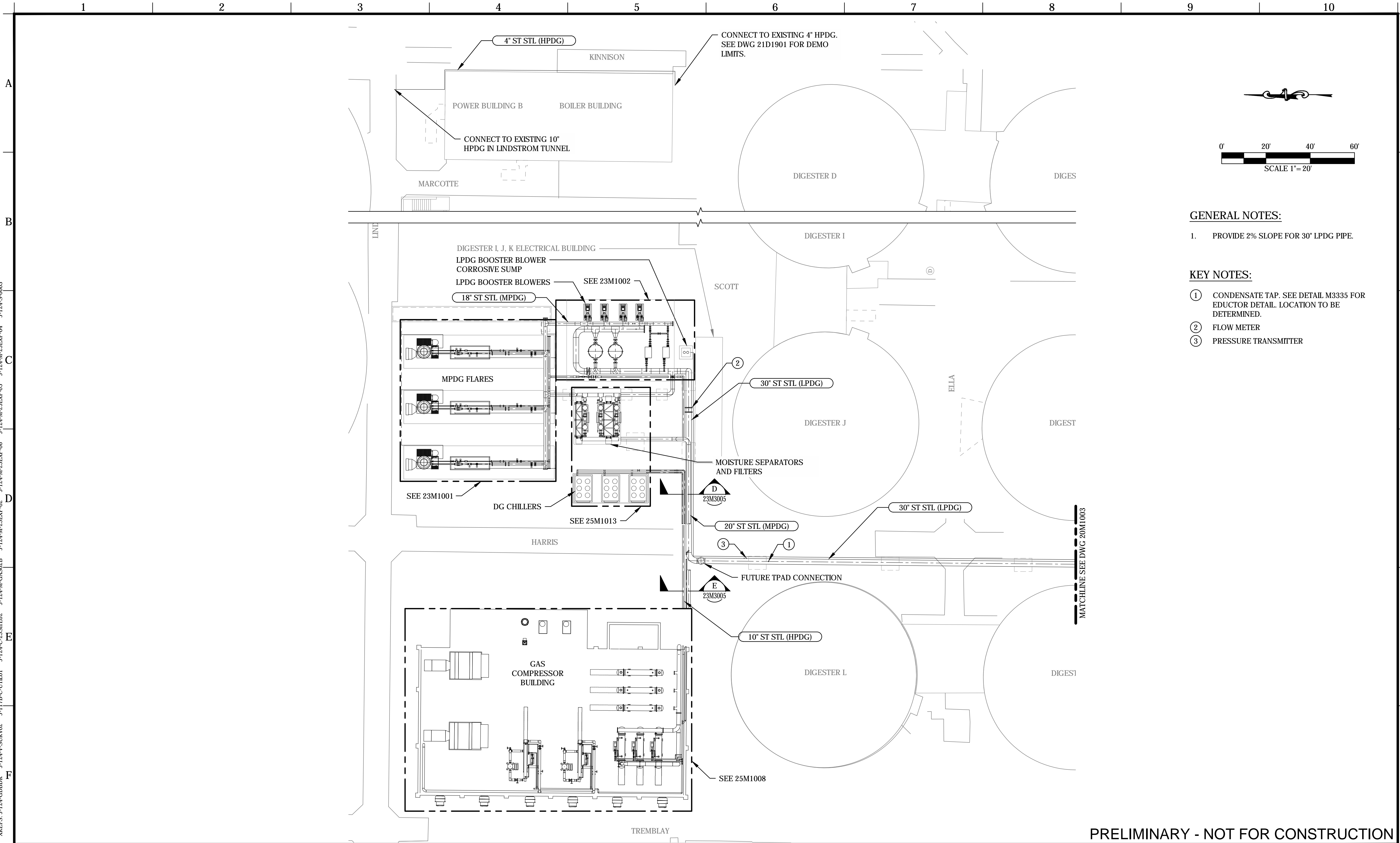


ORANGE COUNTY
SANITATION DISTRICT

DIGESTER GAS FACILITIES REPLACEMENT
PLANT 2 PAVING AND GRADING PLAN AREA A

PROJECT NO. J-124
DRAWING NO. 21C1001 OF

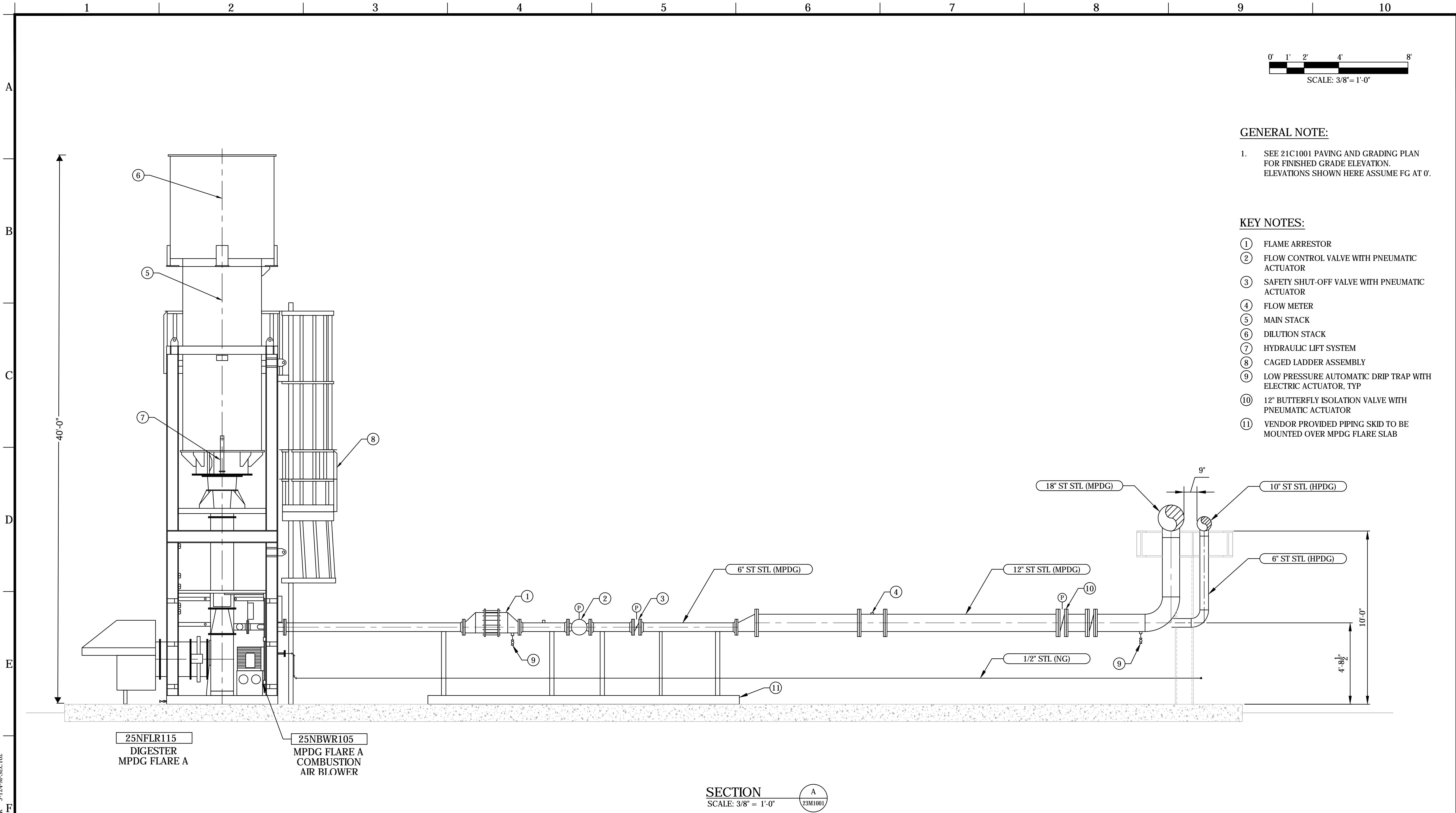
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DATE: Sep 16, 2020 6:05am XREFS: J-124-GDBDR J-124V-SURV02 J-17B-C-UTL01 J-124-C-25SITE02 J-124-M-GAS02B J-124-M-25EXP-02 J-124-M-25EXP-06 J-124-M-25EXP-05 J-124-M-25EXP-04 J-124-S-0003



PRELIMINARY - NOT FOR CONSTRUCTION

					DESIGNED BY: THIMMARAJU, PREETI - 09/20		 	 ORANGE COUNTY SANITATION DISTRICT	DIGESTER GAS FACILITIES REPLACEMENT	PROJECT NO. J-124			
				DRAWN BY: RIVAS, ALEX - 09/20	PLANT 2 MECHANICAL OVERALL PLAN - 1				DRAWING NO. 20M1002				
				CHECKED BY: CHAPMAN, TOM - 09/20									
				LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)									
MARK	DESIGN SUBMITTAL 2	09/20											
	DESCRIPTION	DATE	APPR.							OF			

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DATE: Sep 15, 2020 9:50am USER: ARivas
XREFS: J-124-GDBDR J-124-M-SEC02



GENERAL NOTE:

1. SEE 21C1001 PAVING AND GRADING PLAN FOR FINISHED GRADE ELEVATION. ELEVATIONS SHOWN HERE ASSUME FG AT 0'.

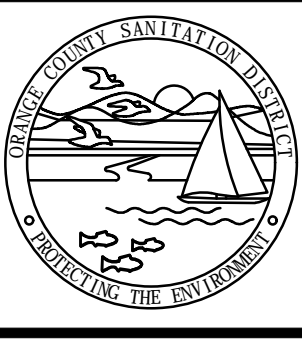
- KEY NOTES:**
- ① FLAME ARRESTOR
 - ② FLOW CONTROL VALVE WITH PNEUMATIC ACTUATOR
 - ③ SAFETY SHUT-OFF VALVE WITH PNEUMATIC ACTUATOR
 - ④ FLOW METER
 - ⑤ MAIN STACK
 - ⑥ DILUTION STACK
 - ⑦ HYDRAULIC LIFT SYSTEM
 - ⑧ CAGED LADDER ASSEMBLY
 - ⑨ LOW PRESSURE AUTOMATIC DRIP TRAP WITH ELECTRIC ACTUATOR, TYP
 - ⑩ 12" BUTTERFLY ISOLATION VALVE WITH PNEUMATIC ACTUATOR
 - ⑪ VENDOR PROVIDED PIPING SKID TO BE MOUNTED OVER MPDG FLARE SLAB

SECTION A
SCALE: 3/8" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION

MARK	DESCRIPTION	DATE	APPR.
	DESIGN SUBMITTAL 2	09/20	

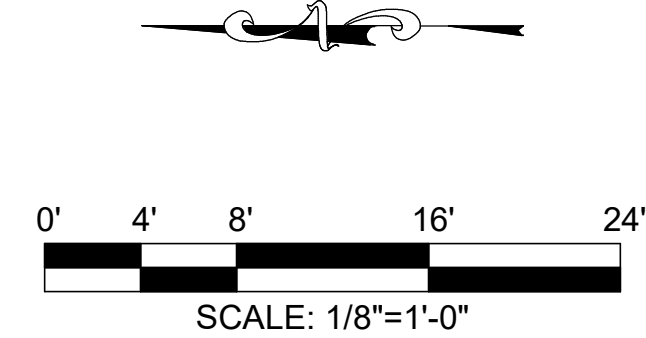
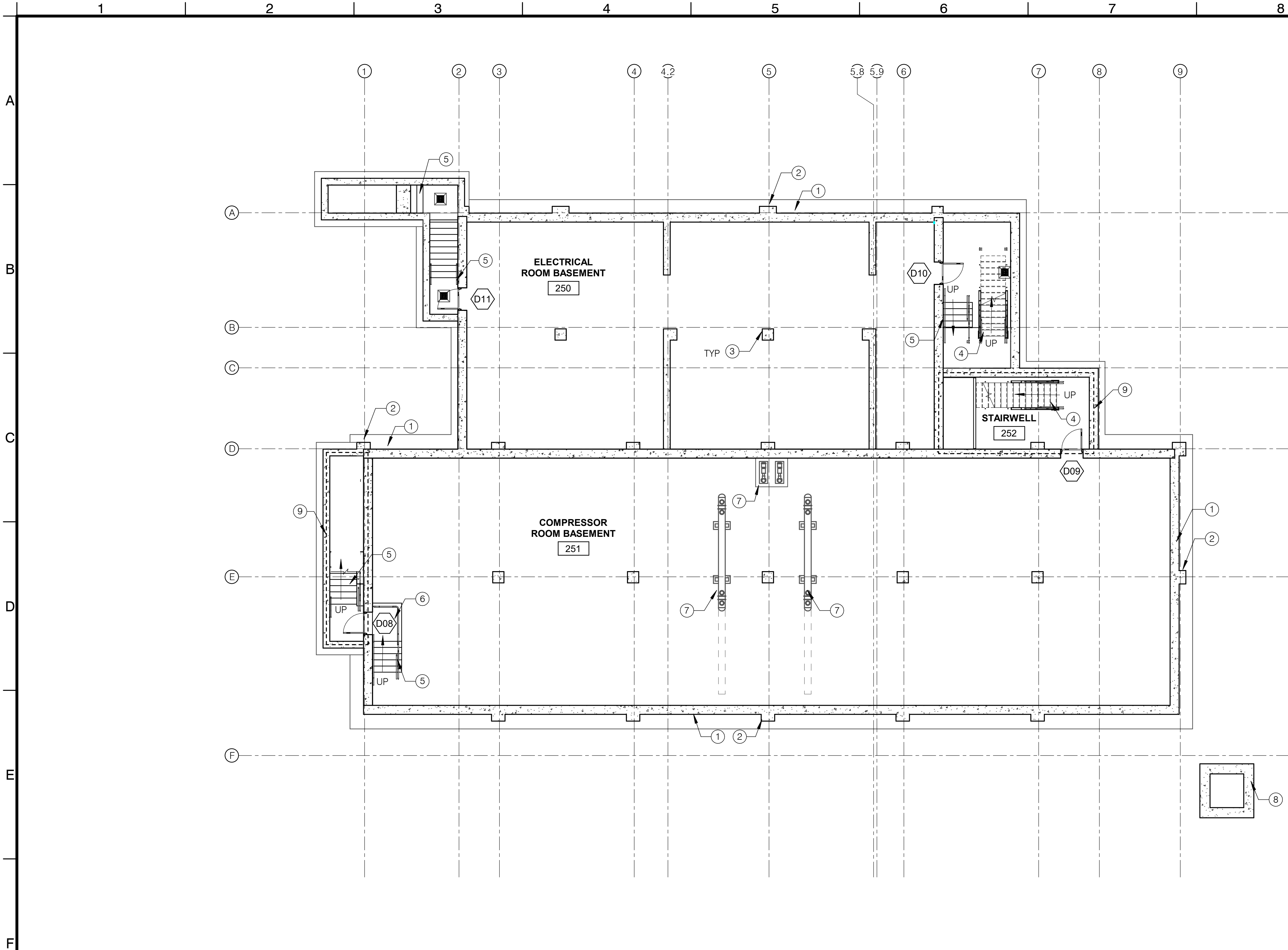
DESIGNED BY:	THIMMARAJU, PREETI	- 09/20
DRAWN BY:	RIVAS, ALEX	- 09/20
CHECKED BY:	CHAPMAN, TOM	- 09/20
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)		



ORANGE COUNTY
SANITATION DISTRICT

DIGESTER GAS FACILITIES REPLACEMENT	PROJECT NO. J-124
PLANT 2 MPDG FLARES SECTION-1	DRAWING NO. 23M3001 OF

FILE: R:\d1002691\J-124-A-NEW PLANT 2 COMPRESSOR BUILDING.rvt



- GENERAL NOTES:
- FRP DOOR, FRAME, OVERHEAD COILING DOOR, AND HARDWARE INFORMATION, REFERENCE ARCHITECTURAL DOOR SCHEDULE
 - FOR STRUCTURAL DETAILS, REFERENCE "S" DRAWINGS
 - FOR MECHANICAL DETAILS, REFERENCE "M" DRAWINGS
 - FOR HVAC DETAILS, REFERENCE "H" DRAWINGS
 - FOR ELECTRICAL DETAILS, REFERENCE "E" DRAWINGS.
- KEYNOTES:
- (1) CONCRETE WALL, PER STRUCTURAL DRAWINGS
 - (2) CAST-IN-PLACE PILASTER, PER STRUCTURAL DRAWINGS
 - (3) CONCRETE COLUMN, PER STRUCTURAL DRAWINGS
 - (4) ALUMINUM STAIR WITH THREE RAIL GUARDRAIL, SEE STRUCTURAL DRAWINGS
 - (5) CONCRETE STAIRS WITH THREE RAIL GUARDRAIL, SEE STRUCTURAL DRAWINGS
 - (6) ALUMINUM THREE RAIL GUARDRAIL
 - (7) MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
 - (8) CONCRETE SUMP, SEE STRCUTRAL DRAWINGS
 - (9) 1-HOUR FIRE- RATED WALL, EXTENTS DENOTED BY DASHED LINE

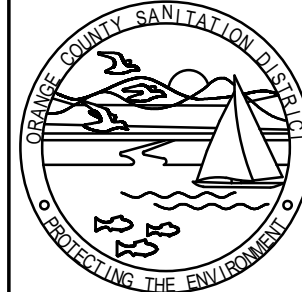
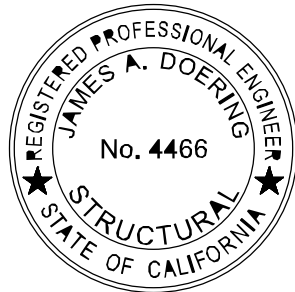
BASEMENT PLAN

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

PRELIMINARY - NOT FOR CONSTRUCTION

DESIGNED BY:	HOLLENBAUGH, MICHELE	- 09/20
DRAWN BY:	MCCRAW, BRANDON	- 09/20
CHECKED BY:	ALBAND, JEFF	- 09/20
DESIGN SUBMITTAL 2	09/20	
MARK	DESCRIPTION	DATE APPR.

DESIGNED BY:	HOLLENBAUGH, MICHELE	- 09/20
DRAWN BY:	MCCRAW, BRANDON	- 09/20
CHECKED BY:	ALBAND, JEFF	- 09/20
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"-SCALE ACCORDINGLY)		



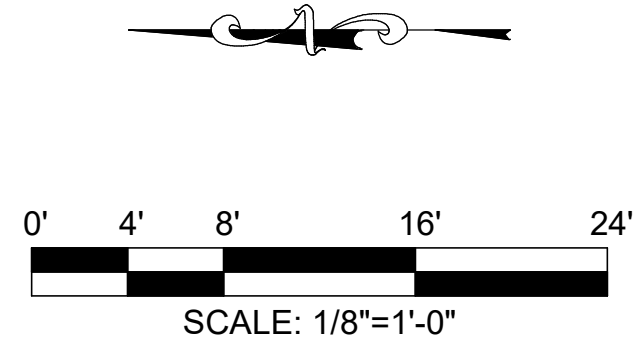
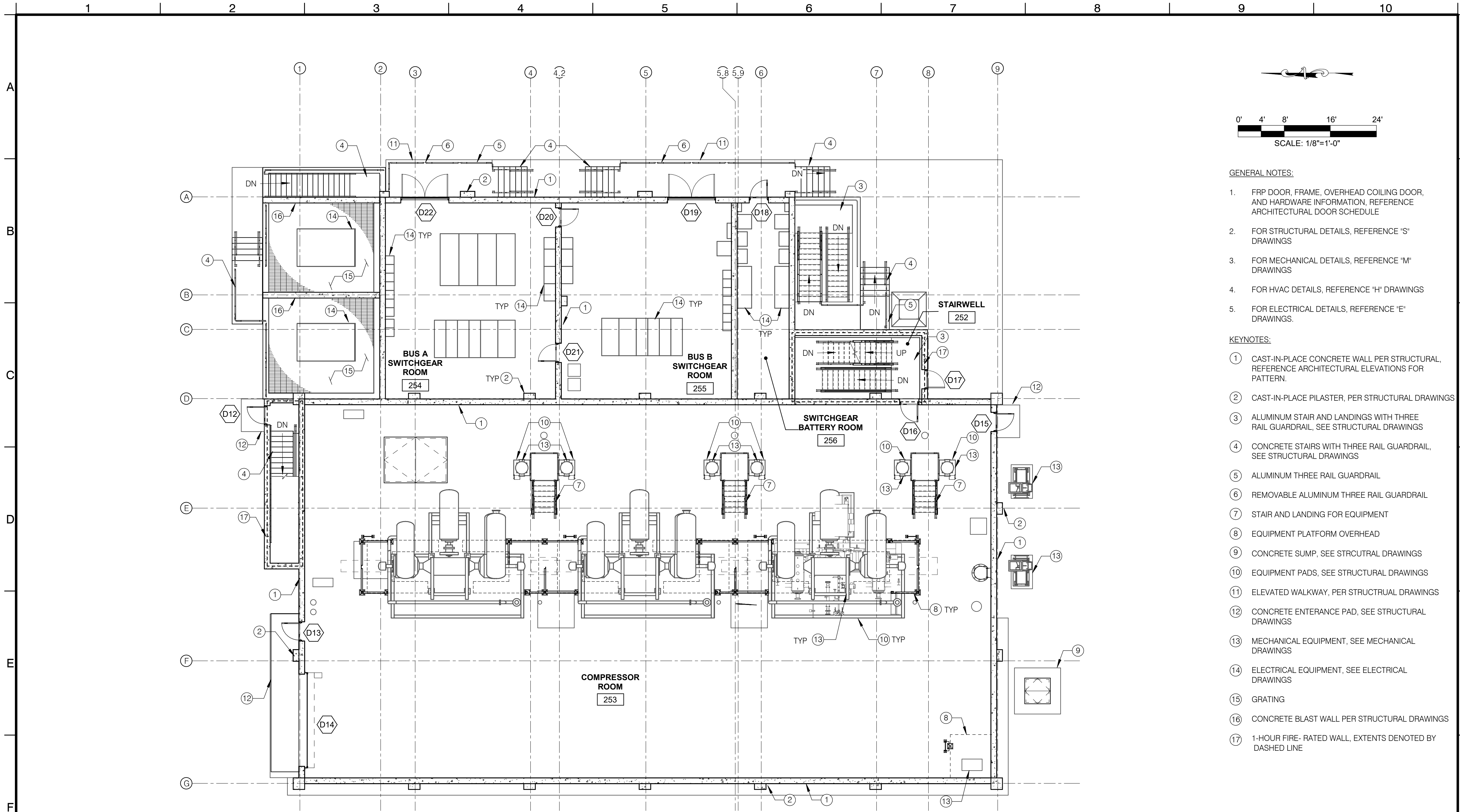
ORANGE COUNTY
SANITATION DISTRICT

DIGESTER GAS FACILITIES REPLACEMENT

PLANT 2
COMPRESSOR BUILDING
BASEMENT PLAN

PROJECT NO.	J-124
DRAWING NO.	25A1001
OF XX	

FILE: R:\d1002691\J-124-A-NEW PLANT 2 COMPRESSOR BUILDING.rvt



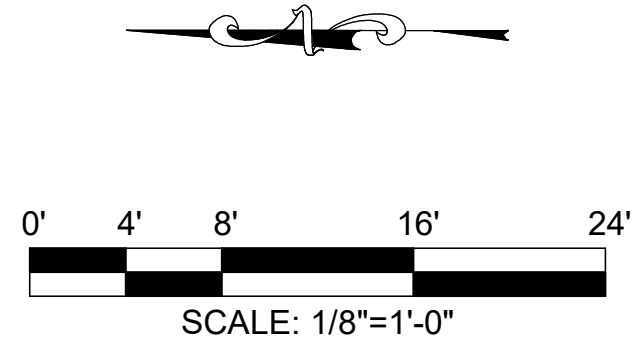
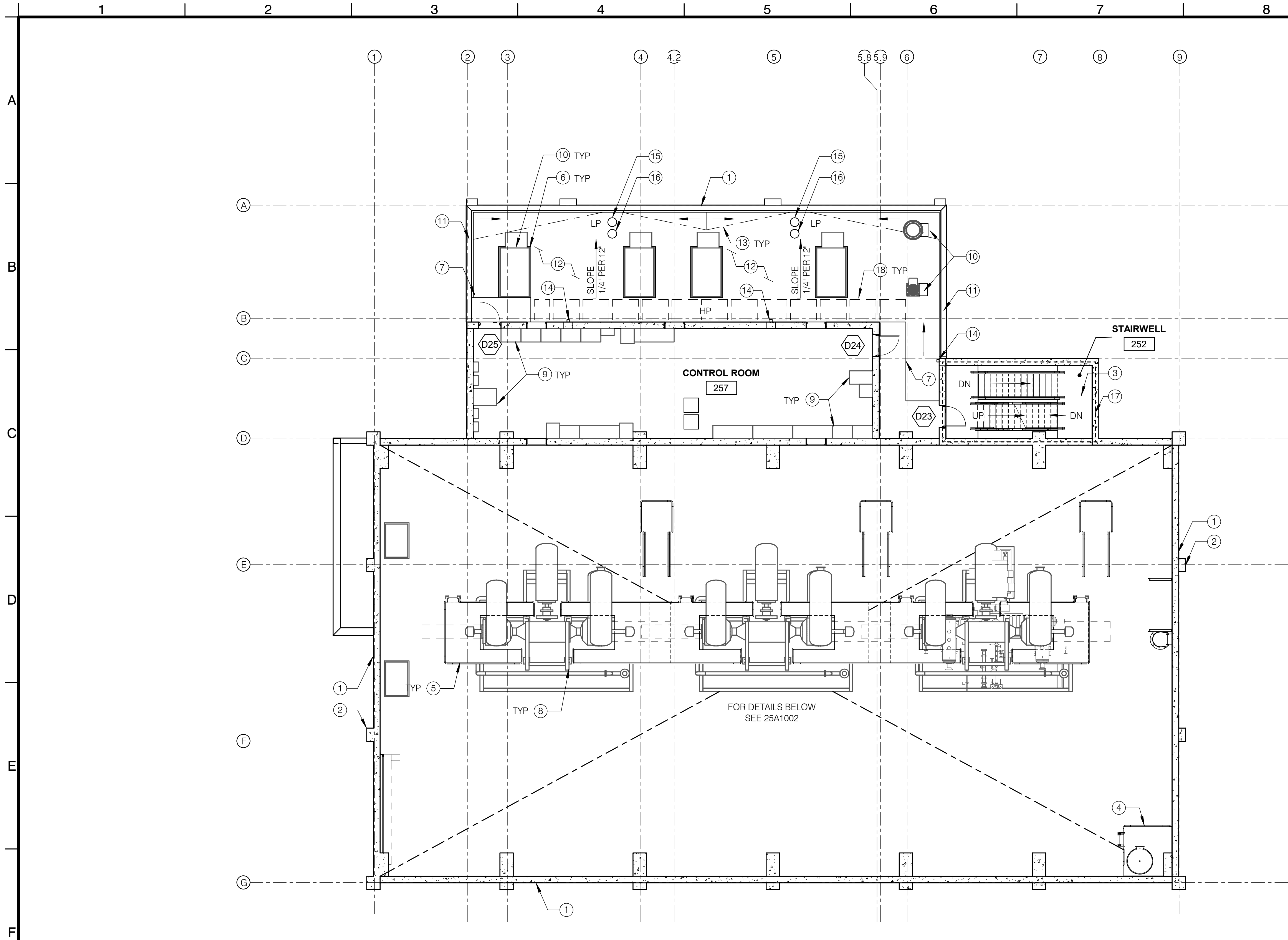
- GENERAL NOTES:
- 1. FRP DOOR, FRAME, OVERHEAD COILING DOOR, AND HARDWARE INFORMATION, REFERENCE ARCHITECTURAL DOOR SCHEDULE
 - 2. FOR STRUCTURAL DETAILS, REFERENCE "S" DRAWINGS
 - 3. FOR MECHANICAL DETAILS, REFERENCE "M" DRAWINGS
 - 4. FOR HVAC DETAILS, REFERENCE "H" DRAWINGS
 - 5. FOR ELECTRICAL DETAILS, REFERENCE "E" DRAWINGS.
- KEYNOTES:
- ① CAST-IN-PLACE CONCRETE WALL PER STRUCTURAL, REFERENCE ARCHITECTURAL ELEVATIONS FOR PATTERN.
 - ② CAST-IN-PLACE PILASTER, PER STRUCTURAL DRAWINGS
 - ③ ALUMINUM STAIR AND LANDINGS WITH THREE RAIL GUARDRAIL, SEE STRUCTURAL DRAWINGS
 - ④ CONCRETE STAIRS WITH THREE RAIL GUARDRAIL, SEE STRUCTURAL DRAWINGS
 - ⑤ ALUMINUM THREE RAIL GUARDRAIL
 - ⑥ REMOVABLE ALUMINUM THREE RAIL GUARDRAIL
 - ⑦ STAIR AND LANDING FOR EQUIPMENT
 - ⑧ EQUIPMENT PLATFORM OVERHEAD
 - ⑨ CONCRETE SUMP, SEE STRCUTRAL DRAWINGS
 - ⑩ EQUIPMENT PADS, SEE STRUCTURAL DRAWINGS
 - ⑪ ELEVATED WALKWAY, PER STRUCTUAL DRAWINGS
 - ⑫ CONCRETE ENTERANCE PAD, SEE STRUCTURAL DRAWINGS
 - ⑬ MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
 - ⑭ ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
 - ⑮ GRATING
 - ⑯ CONCRETE BLAST WALL PER STRUCTURAL DRAWINGS
 - ⑰ 1-HOUR FIRE- RATED WALL, EXTENTS DENOTED BY DASHED LINE

MAIN FLOOR PLAN
SCALE: 1/8" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION

				DESIGNED BY: <u>HOLLENBAUGH, MICHELE</u> - 09/20		 	 ORANGE COUNTY SANITATION DISTRICT	DIGESTER GAS FACILITIES REPLACEMENT		PROJECT NO. J-124
				DRAWN BY: <u>MCCRAW, BRANDON</u> - 09/20				PLANT 2 COMPRESSOR BUILDING		DRAWING NO. 25A1002
				CHECKED BY: <u>ALBAND, JEFF</u> - 09/20				MAIN FLOOR PLAN		OF XX
MARK	DESIGN SUBMITTAL 2	09/20	APPR.	<div>LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"=SCALE ACCORDINGLY)</div>						

FILE: R:\d1002691\J-124-A-NEW PLANT 2 COMPRESSOR BUILDING.rvt



GENERAL NOTES:

- FRP DOOR, FRAME, OVERHEAD COILING DOOR, AND HARDWARE INFORMATION, REFERENCE ARCHITECTURAL DOOR SCHEDULE
- FOR STRUCTURAL DETAILS, REFERENCE "S" DRAWINGS
- FOR MECHANICAL DETAILS, REFERENCE "M" DRAWINGS
- FOR HVAC DETAILS, REFERENCE "H" DRAWINGS
- FOR ELECTRICAL DETAILS, REFERENCE "E" DRAWINGS.

KEYNOTES:

- CAST-IN-PLACE CONCRETE WALL PER STRUCTURAL, REFERENCE ARCHITECTURAL ELEVATIONS FOR PATTERN.
- CAST-IN-PLACE PILASTER, PER STRUCTURAL DRAWINGS
- ALUMINUM STAIR AN LANDING WITH THREE RAIL GUARDRAIL, SEE STRUCTURAL DRAWINGS
- PLATFORM LANDING WITH THREE RAIL GUARDRAIL
- EQUIPMENT PLATFORM
- EQUIPMENT PADS, SEE STRUCTURAL DRAWINGS
- CONCRETE ENTERANCE PAD, SEE STRUCTURAL DRAWINGS
- MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
- ELECTRICAL EQUIPMENT, SEE ELECTRICAL DRAWINGS
- HVAC EQUIPMENT, SEE HVAC DRAWINGS
- PREFABRICATED METAL COPING, PER AG220/TYP, DETAIL B(SIM)
- PVC MEMBRANE OVER TAPERED RIGID INSULATION OVER CONCRETE DECK
- ROOF CRICKETS, SLOPED PER MFR'S RECOMMENDATIONS
- DOWNSPOUT PER DETAIL AG227/TYP
- PRIMARY ROOF DRAIN PER DETAIL A704/TYP
- SECONDARY ROOF DRAIN PER DETAIL A704/TYP
- 1-HOUR FIRE RATED WALL, EXTENTS DENOTED BY DASHED LINE
- ROOF WALKWAY PAD

LOWER ROOF AND SECOND FLOOR PLAN

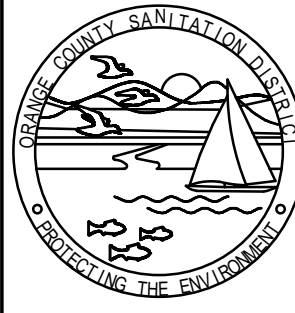
SCALE: 1/8" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION

DESIGN SUBMITTAL 2	09/20		
MARK	DESCRIPTION	DATE	APPR.

DESIGNED BY: HOLLENBAUGH, MICHELE - 09/20
DRAWN BY: MCCRAW, BRANDON - 09/20
CHECKED BY: ALBAND, JEFF - 09/20

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2"=SCALE ACCORDINGLY)



ORANGE COUNTY
SANITATION DISTRICT

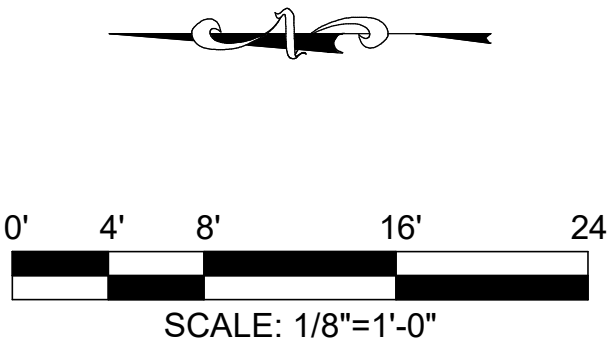
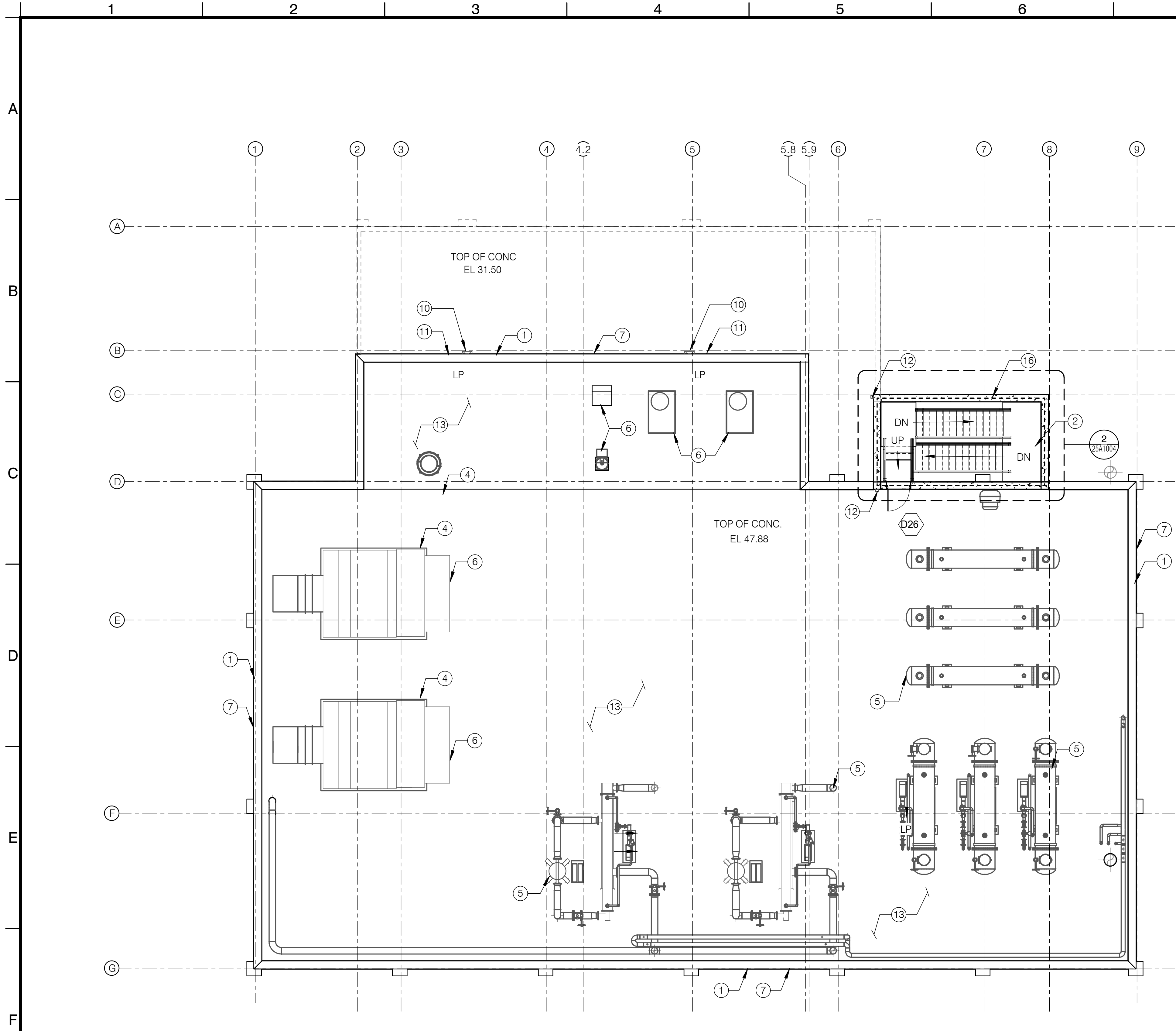
DIGESTER GAS FACILITIES REPLACEMENT

PROJECT NO.
J-124

PLANT 2
COMPRESSOR BUILDING SECOND
FLOOR AND LOW ROOF PLAN

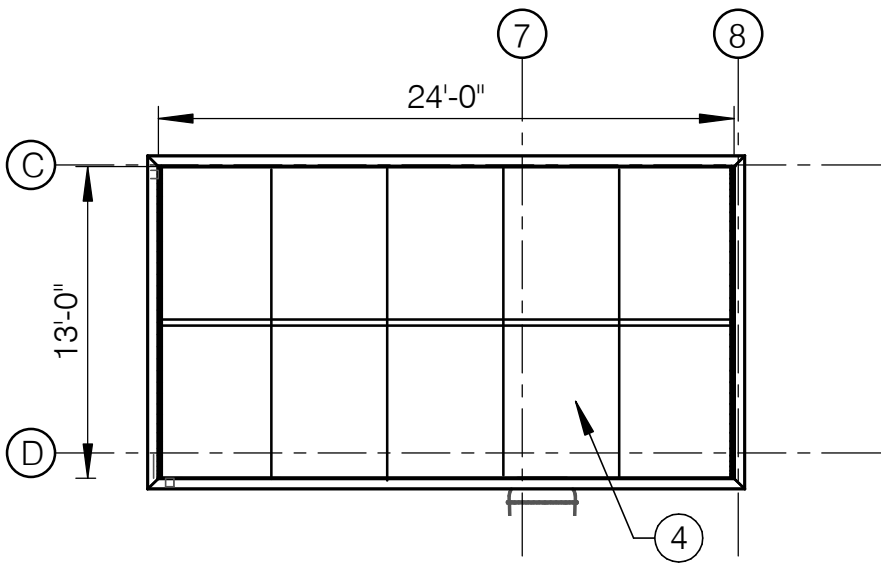
DRAWING NO.
25A1003
OF XX

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- GENERAL NOTES:
- FRP DOOR, FRAME, OVERHEAD COILING DOOR, AND HARDWARE INFORMATION, REFERENCE ARCHITECTURAL DOOR SCHEDULE
 - FOR STRUCTURAL DETAILS, REFERENCE "S" DRAWINGS
 - FOR MECHANICAL DETAILS, REFERENCE "M" DRAWINGS
 - FOR HVAC DETAILS, REFERENCE "H" DRAWINGS
 - FOR ELECTRICAL DETAILS, REFERENCE "E" DRAWINGS.

- KEYNOTES:
- CAST-IN-PLACE CONCRETE WALL PER STRUCTURAL, REFERENCE ARCHITECTURAL ELEVATIONS FOR PATTERN.
 - ALUMINUM STAIR AND LANDING WITH THREE RAIL GUARDRAIL, SEE STRUCTURAL DRAWINGS
 - STAIRWELL SKYLIGHT
 - EQUIPMENT PADS, SEE STRUCTURAL DRAWINGS
 - MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
 - HVAC EQUIPMENT, SEE HVAC DRAWINGS
 - PREFABRICATED METAL COPING, PER AG220/TYP, DETAIL B(SIM)
 - PVC MEMBRANE OVER TAPERED RIGID INSULATION OVER CONCRETE DECK
 - ROOF CRICKETS, SLOPED PER MFR'S RECOMMENDATIONS
 - PRIMARY ROOF SCUPPER AND CONDUCTOR HEAD THROUGH WALL PER DETAILS AG223/TYP, AG225/TYP
 - SECONDARY ROOF SCUPPER THROUGH WALL PER DETAIL AG222/TYP
 - DOWNSPOUT PER DETAIL AG227/TYP
 - FLUID-APPLIED ROOF MEMBRANE OVER CONCRETE DECK
 - PRIMARY ROOF DRAIN PER DETAIL A704/TYP
 - SECONDARY ROOF DRAIN PER DETAIL A704/TYP
 - 1-HOUR FIRE RATED WALL, EXTENTS DENOTED BY DASHED LINE
 - ROOF WALKWAY PAD



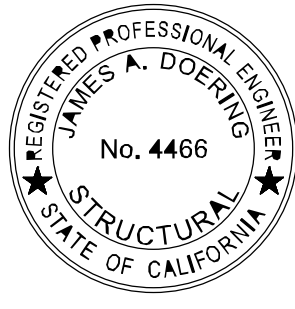
ROOF PLAN
SCALE: 1/8" = 1'-0"

2 SKYLIGHT DETAIL
25A1004 SCALE: 1/8" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION

DESIGN SUBMITTAL 2	09/20		
MARK	DATE	APPR.	
DESCRIPTION			

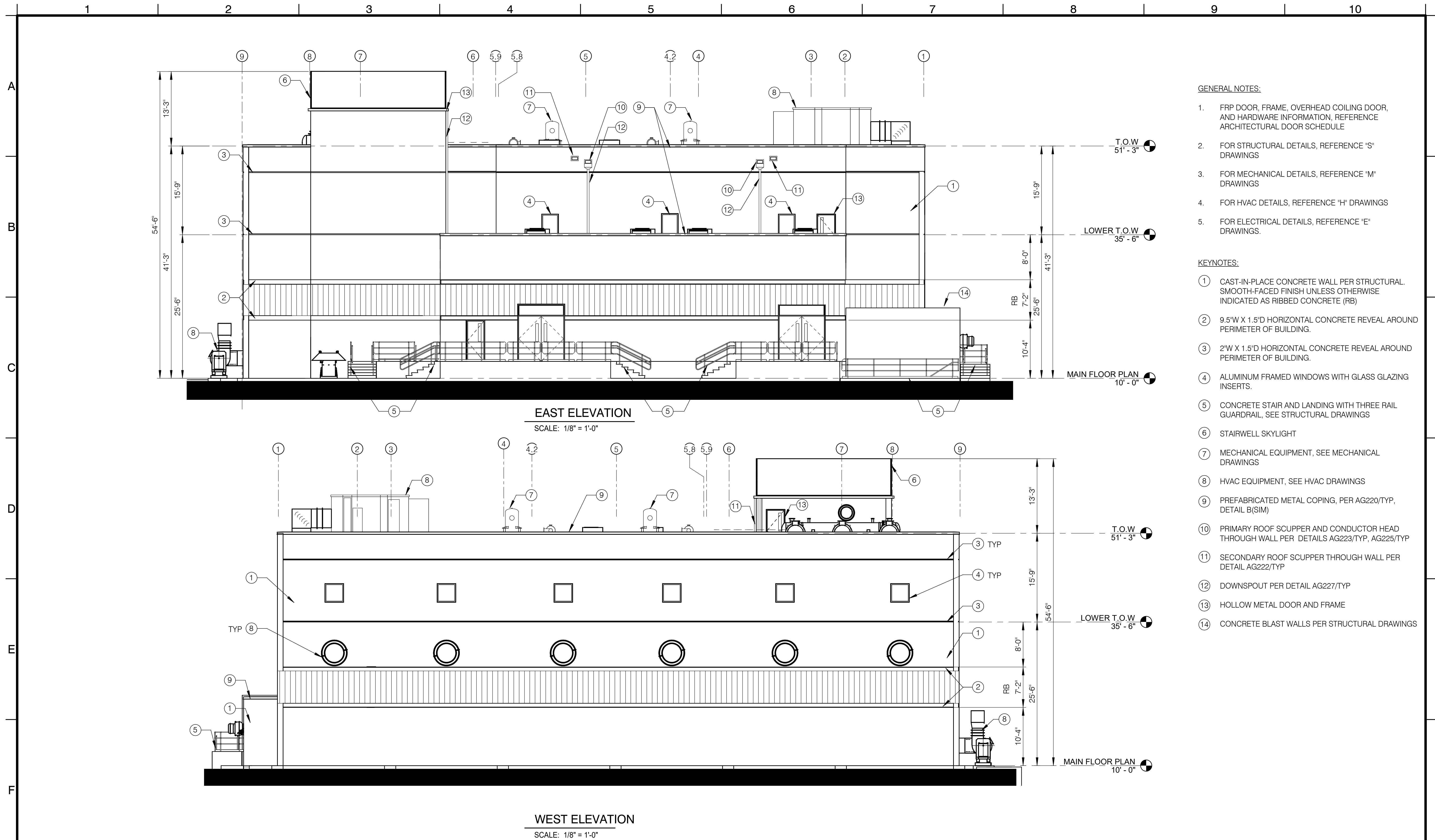
DESIGNED BY: HOLLINBAUGH, MICHELE	- 09/20
DRAWN BY: MCCRAW, BRANDON	- 09/20
CHECKED BY: ALBAND, JEFF	- 09/20
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"=SCALE ACCORDINGLY)	



ORANGE COUNTY
SANITATION DISTRICT

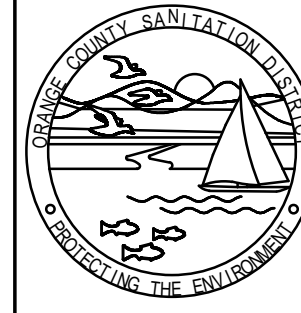
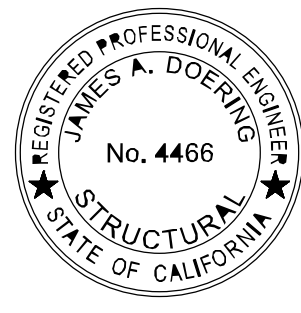
DIGESTER GAS FACILITIES REPLACEMENT	PROJECT NO. J-124
PLANT 2 COMPRESSOR BUILDING ROOF PLAN	DRAWING NO. 25A1004 OF XX

FILE: R:\d1002691\J-124-A-NEW PLANT 2 COMPRESSOR BUILDING.rvt



MARK	DESIGN SUBMITTAL 2	09/20	APPR.
	DESCRIPTION	DATE	APPR.

DESIGNED BY:	HOLLENBAUGH, MICHELE	- 09/20
DRAWN BY:	MCCRAW, BRANDON	- 09/20
CHECKED BY:	ALBAND, JEFF	- 09/20
LINE IS 2 INCHES AT FULL SIZE (IF NOT 2"=SCALE ACCORDINGLY)		



ORANGE COUNTY
SANITATION DISTRICT

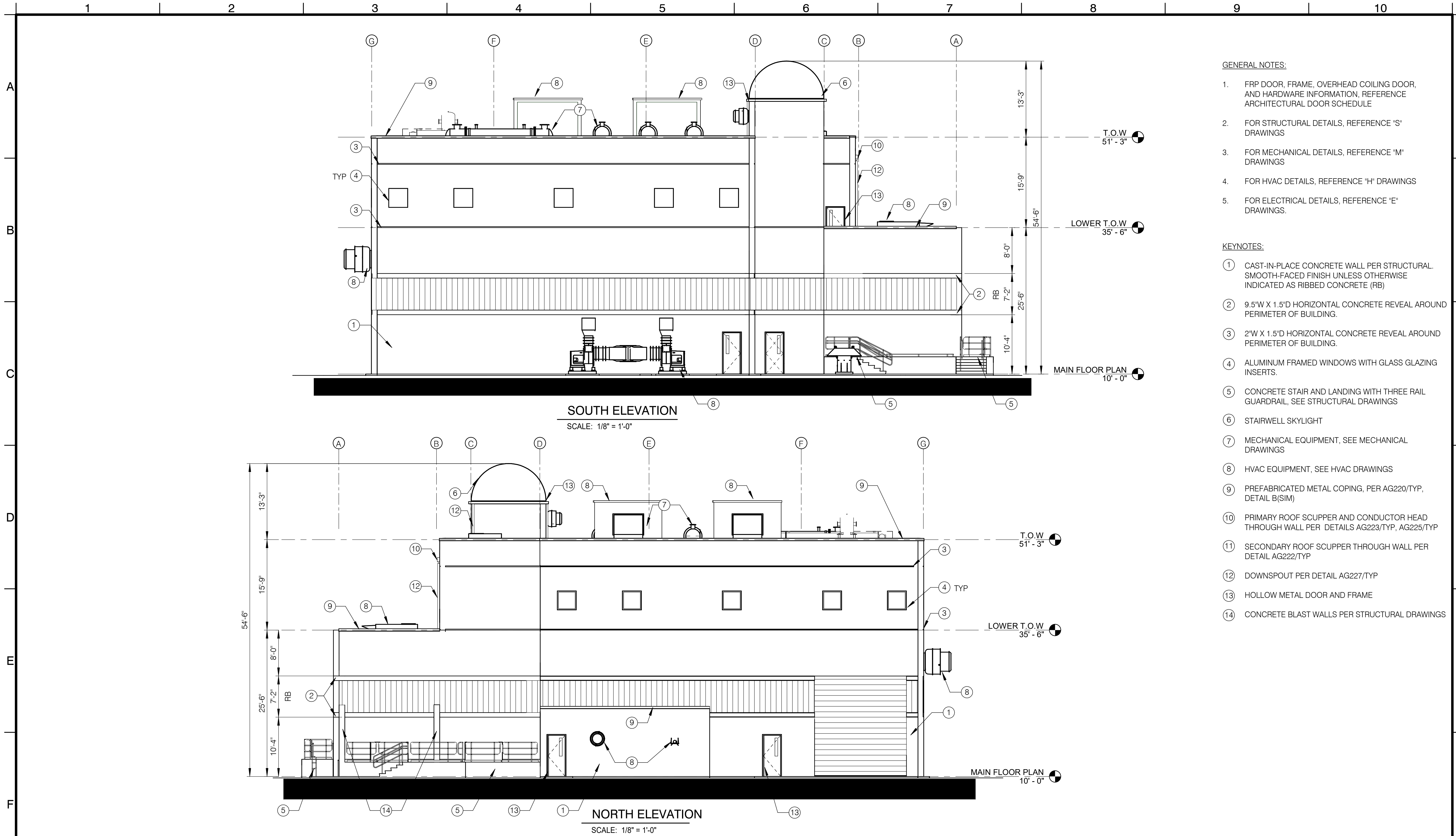
DIGESTER GAS FACILITIES REPLACEMENT

PROJECT NO.
J-124

PLANT 2
COMPRESSOR BUILDING
ELEVATIONS I

DRAWING NO.
25A1005
OF XX

FILE: R:\d1002691\J-124-A-NEW PLANT 2 COMPRESSOR BUILDING.rvt



PRELIMINARY - NOT FOR CONSTRUCTION

				DESIGNED BY: <u>HOLLENBAUGH, MICHELE</u>	- 09/20		 	 ORANGE COUNTY SANITATION DISTRICT	DIGESTER GAS FACILITIES REPLACEMENT		PROJECT NO. J-124
				DRAWN BY: <u>MCCRAW, BRANDON</u>	- 09/20				PLANT 2 COMPRESSOR BUILDING ELEVATIONS II		DRAWING NO. 25A1006
				CHECKED BY: <u>ALBAND, JEFF</u>	- 09/20						OF XX
	DESIGN SUBMITTAL 2	09/20		 (IF NOT 2"=SCALE ACCORDINGLY)							
MARK	DESCRIPTION	DATE	APPR.								