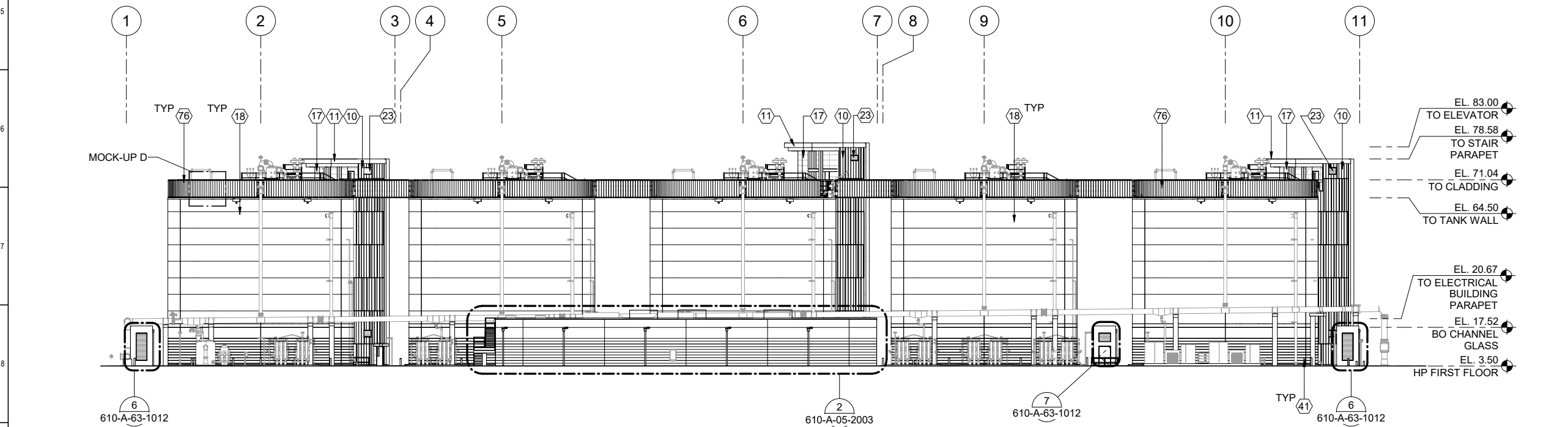


1 WEST ELEVATION
610-A-05-1003 SCALE: 3/64" = 1'-0"



2 EAST ELEVATION
610-A-05-1003 SCALE: 3/64" = 1'-0"

GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6001 THROUGH 6003 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES
8. FOR PANEL TYPES SEE A0730

SHEET KEY NOTES

- 10 ZINC CONCEALED-FASTENER WALL PANELS, ZN-1
- 11 ZINC COMPOSITE PANEL FASCIA, ZN-1
- 17 FIBER CEMENT WALL PANELS, FC-1, SEE CLADDING ELEVATION
- 18 EIFS CLADDING SYSTEM, ES-1
- 23 ALUMINUM LOUVER, AL-1
- 41 GUARD POST, SEE C3001
- 44 LIGHT FIXTURE TYP, SED
- 55 CHANNEL GLASS CURTAIN WALL, SEE CURTAIN WALL TYPES
- 74 EXPOSED PAINTED STEEL, STL-1
- 76 RAINDRAIN CHANNEL GLASS SYSTEM

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
WEST AND EAST KEY ELEVATIONS



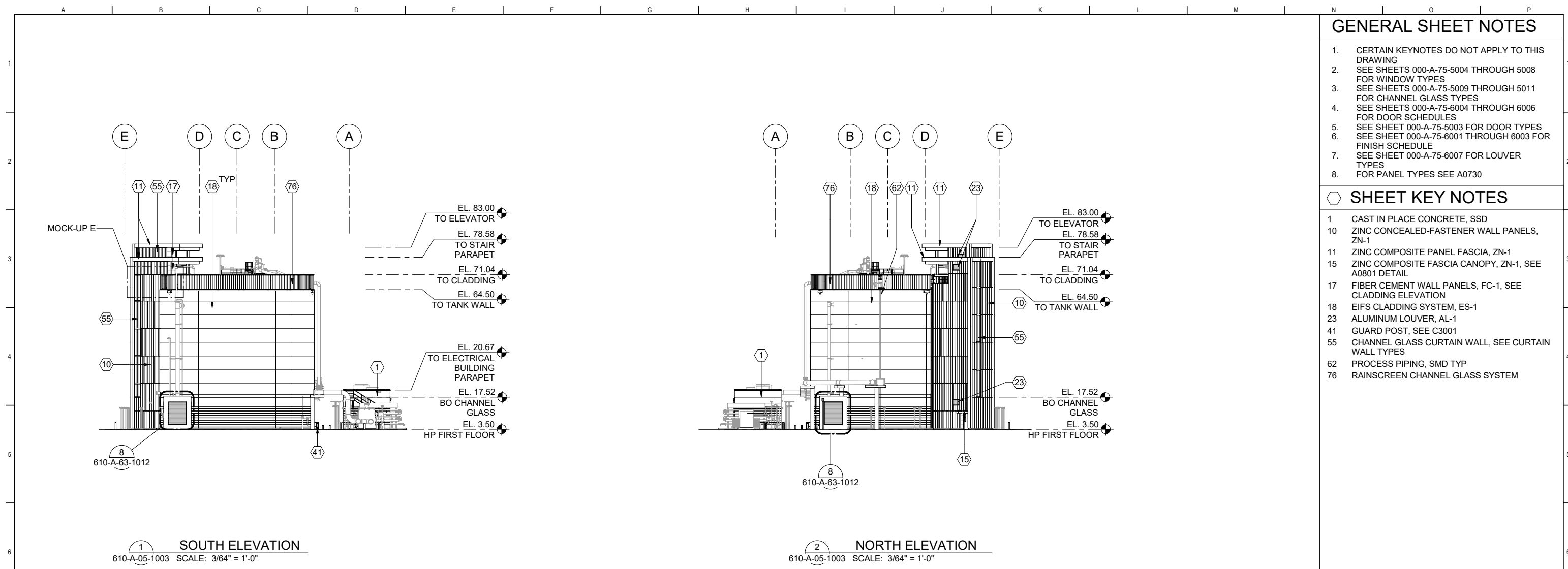
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM													
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT										
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM										
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY										
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NO.	DATE	DESCRIPTION	BY	APP'D									
REVISIONS													

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN DATE Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
PLAN NO. 610-A-05-2001	DRAWING / FILE NO. REVISION

FOR CONSTRUCTION
Scope II

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ELEVATION
DATUM
CITY



GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6001 THROUGH 6003 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES
8. FOR PANEL TYPES SEE A0730

SHEET KEY NOTES

- 1 CAST IN PLACE CONCRETE, SSD
- 10 ZINC CONCEALED-FASTENER WALL PANELS, ZN-1
- 11 ZINC COMPOSITE PANEL FASCIA, ZN-1
- 15 ZINC COMPOSITE FASCIA CANOPY, ZN-1, SEE A0801 DETAIL
- 17 FIBER CEMENT WALL PANELS, FC-1, SEE CLADDING ELEVATION
- 18 EIFS CLADDING SYSTEM, ES-1
- 23 ALUMINUM LOUVER, AL-1
- 41 GUARD POST, SEE C3001
- 55 CHANNEL GLASS CURTAIN WALL, SEE CURTAIN WALL TYPES
- 62 PROCESS PIPING, SMD TYP
- 76 RAINSCREEN CHANNEL GLASS SYSTEM

1 SOUTH ELEVATION
610-A-05-1003 SCALE: 3/64" = 1'-0"

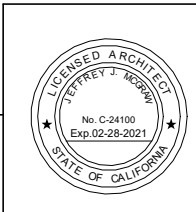
2 NORTH ELEVATION
610-A-05-1003 SCALE: 3/64" = 1'-0"

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
SOUTH AND NORTH KEY ELEVATIONS

BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM

PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

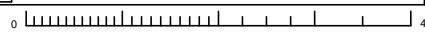
NO.	DATE	DESCRIPTION	BY	APP'D
REVISIONS				

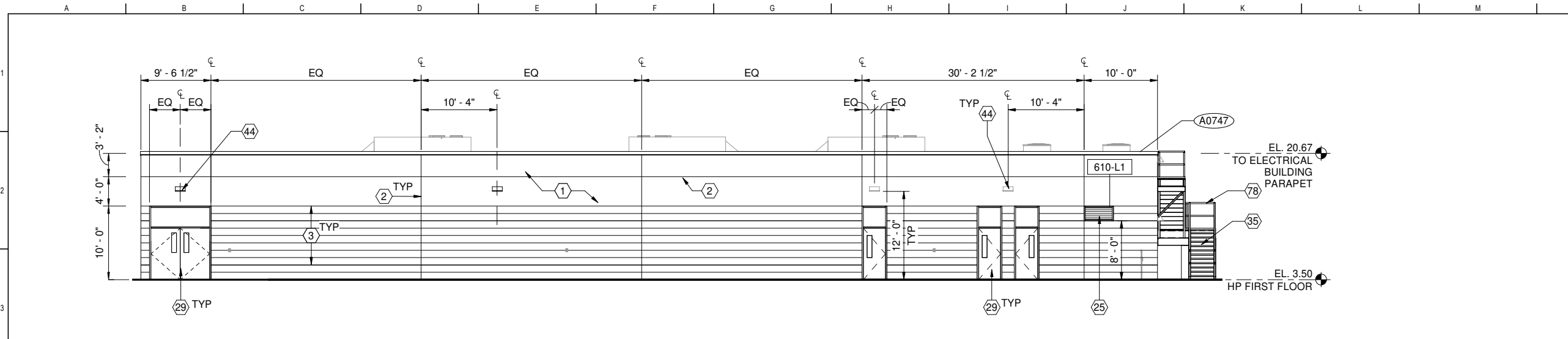


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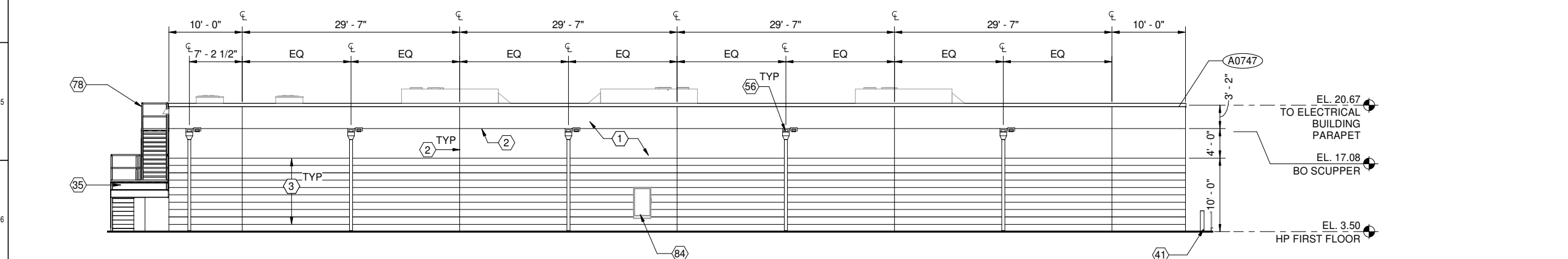
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ELEVATION DATUM
CITY

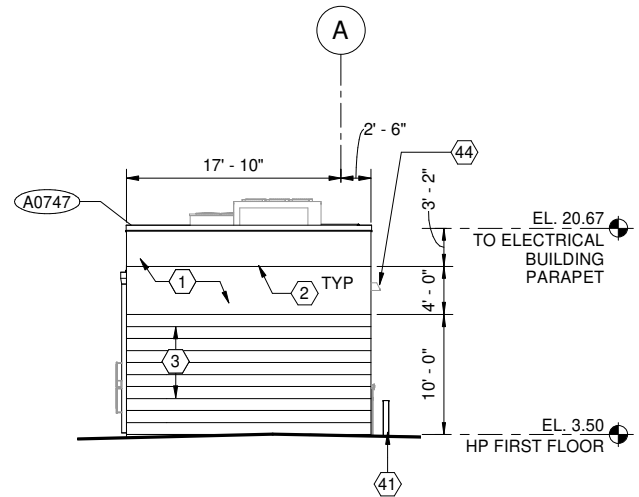




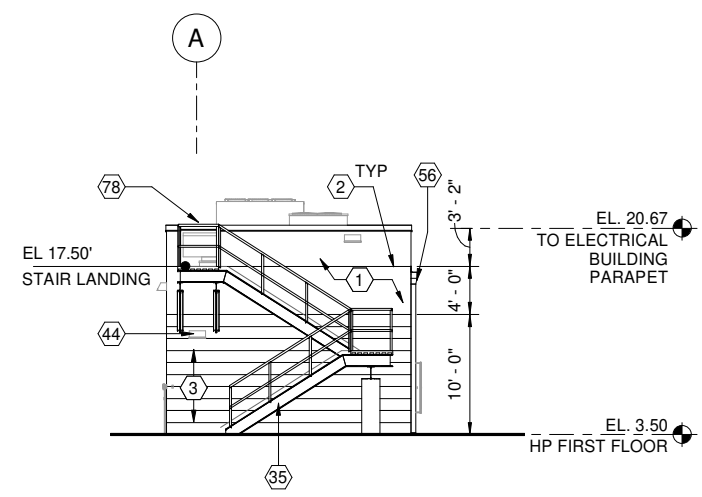
1 WEST ELEVATION
610-A-05-1003 SCALE: 1/8" = 1'-0"



2 EAST ELEVATION
610-A-05-1003 SCALE: 1/8" = 1'-0"



3 NORTH ELEVATION
610-A-05-1003 SCALE: 1/8" = 1'-0"



4 SOUTH ELEVATION
610-A-05-1003 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

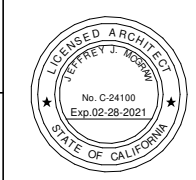
1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6001 THROUGH 6003 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES
8. FOR PANEL TYPES SEE A0730

SHEET KEY NOTES

- 1 CAST IN PLACE CONCRETE, SSD
- 2 3/4" V REVEAL, SSD
- 3 3/4" V REVEALS AT 1'-0" OC, SSD
- 25 ALUMINUM LOUVER, AL-1
- 29 FRP DOOR AND FRAME, FR-1
- 35 PAINTED STAIR, SSD STL-1
- 41 GUARD POST, SEE C3001
- 44 LIGHT FIXTURE TYP, SED
- 56 PRIMARY SCUPPER AND CONDUCTOR, SEE A0720 DETAIL
- 78 ALUMINUM RAILING, SSD
- 84 ELECTRICAL EQUIPMENT, SED

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
ELECTRICAL BUILDING ELEVATIONS

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

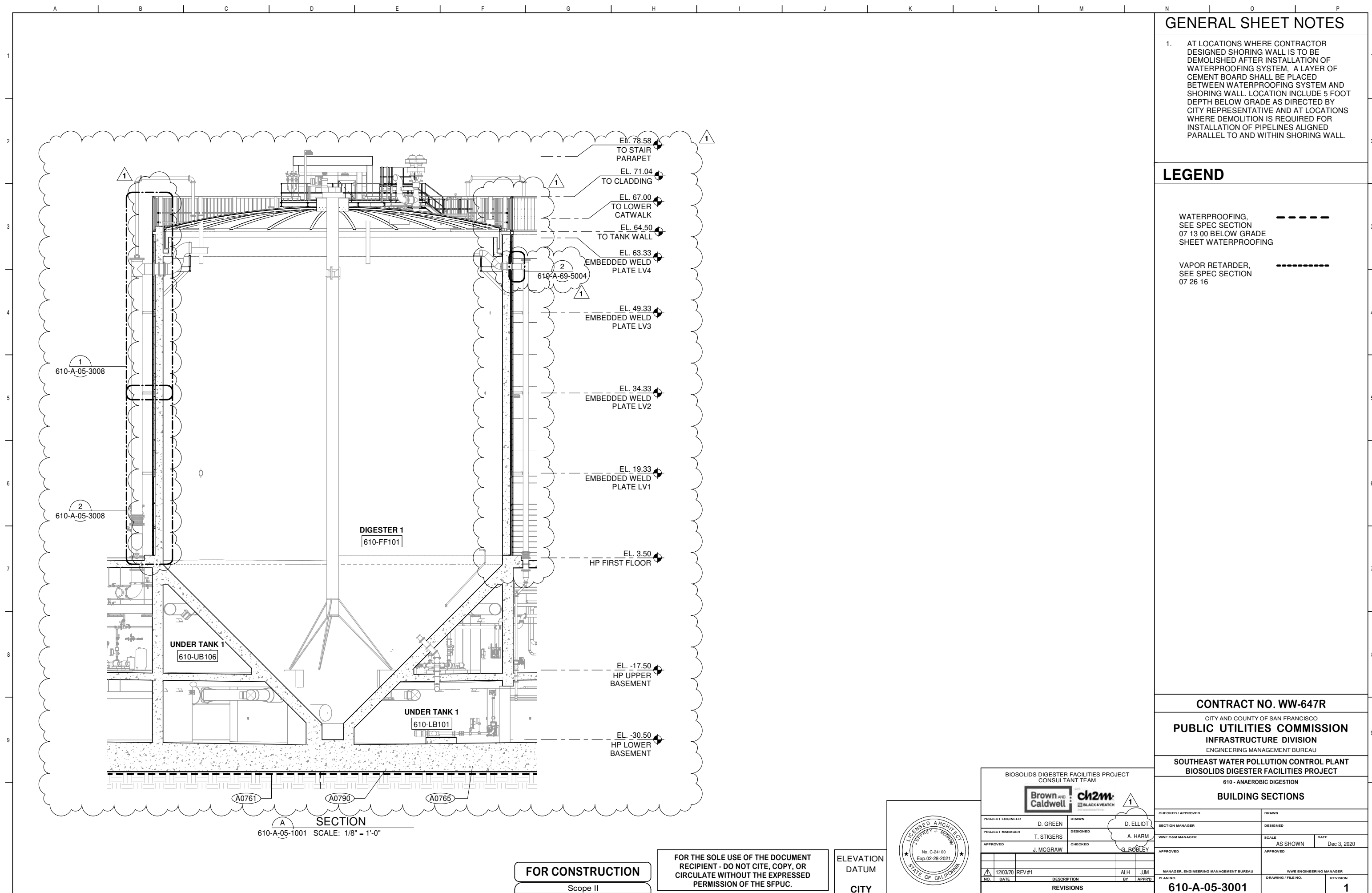


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ELEVATION DATUM
CITY

CHECKED / APPROVED		DRAWN	
SECTION MANAGER		DESIGNED	
WWE O&M MANAGER		SCALE	AS SHOWN
		DATE	Oct 30, 2020
APPROVED		APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		WWE ENGINEERING MANAGER	
PLAN NO.	610-A-05-2003	DRAWING / FILE NO.	
		REVISION	



GENERAL SHEET NOTES

- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

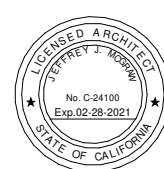
CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOLOGICAL DIGESTER FACILITIES PROJECT

610 - ANAEROBIC DIGESTION
BUILDING SECTIONS

BIOLOGICAL DIGESTER FACILITIES PROJECT CONSULTANT TEAM																			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT	CHECKED / APPROVED	DRAWN														
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM	SECTION MANAGER	DESIGNED														
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY	WWW O&M MANAGER	SCALE AS SHOWN DATE Dec 3, 2020														
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NO.	DATE	DESCRIPTION	BY	APPRD.															
1	12/03/20	REV #1	ALH	JJM															
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER																		
PLAN NO. 610-A-05-3001	DRAWING / FILE NO. 1																		

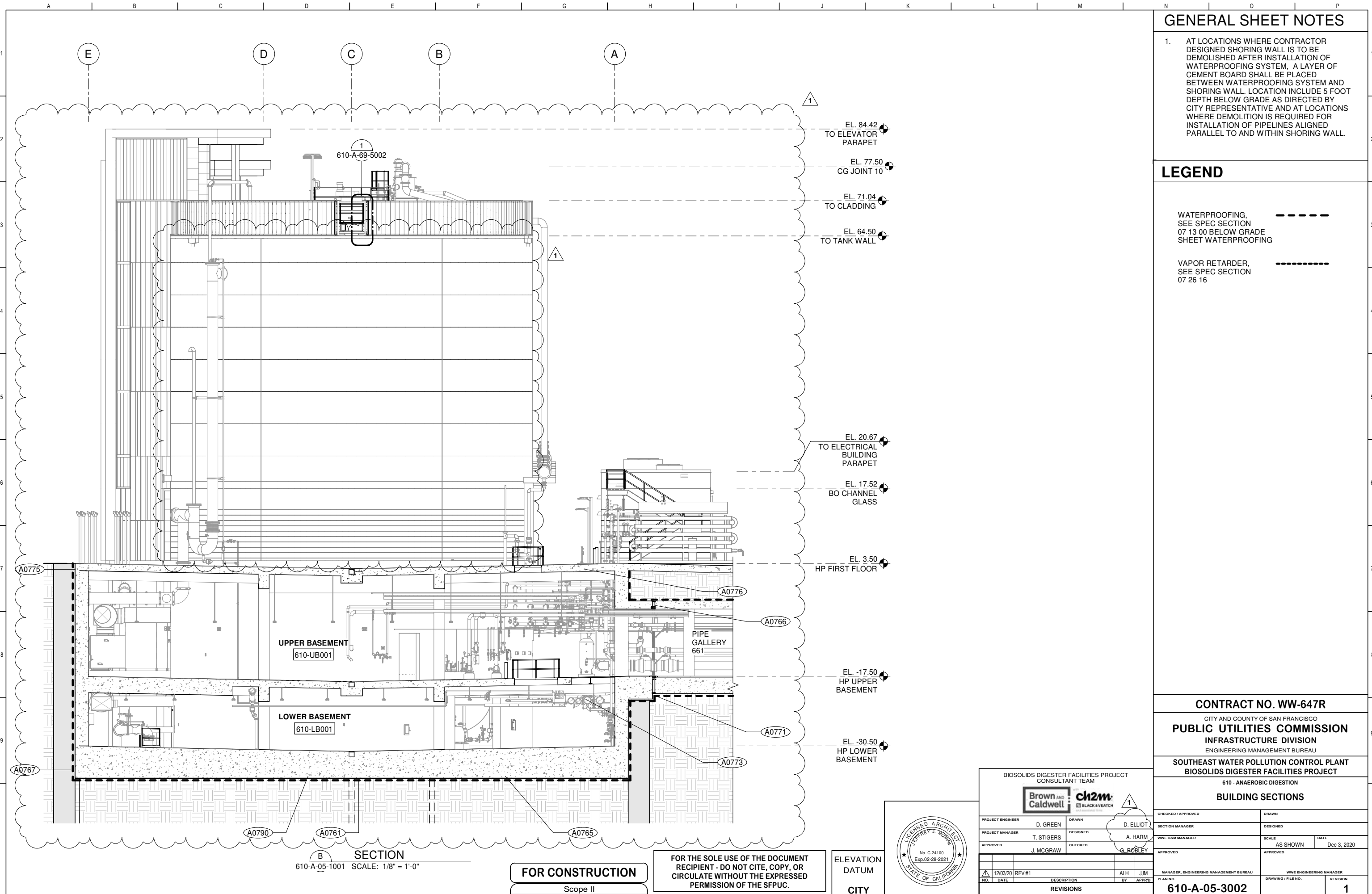


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FOR CONSTRUCTION
 Scope II

ELEVATION DATUM
 CITY

SECTION
 610-A-05-1001 SCALE: 1/8" = 1'-0"



GENERAL SHEET NOTES

- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOLOGICAL DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
BUILDING SECTIONS

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM 				CHECKED / APPROVED SECTION MANAGER WW E&M MANAGER APPROVED MANAGER, ENGINEERING MANAGEMENT BUREAU PLAN NO. 610-A-05-3002	
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT	DESIGNED A. HARM	DATE Dec 3, 2020	SCALE AS SHOWN	REVISION 1
PROJECT MANAGER T. STIGERS	CHECKED J. MCGRAW	APPROVED G. BOBLEY	BY ALH	DATE 12/03/20	DESCRIPTION REV #1
REVISIONS NO. DATE DESCRIPTION BY APP'D			REVISIONS NO. DATE DESCRIPTION BY APP'D		

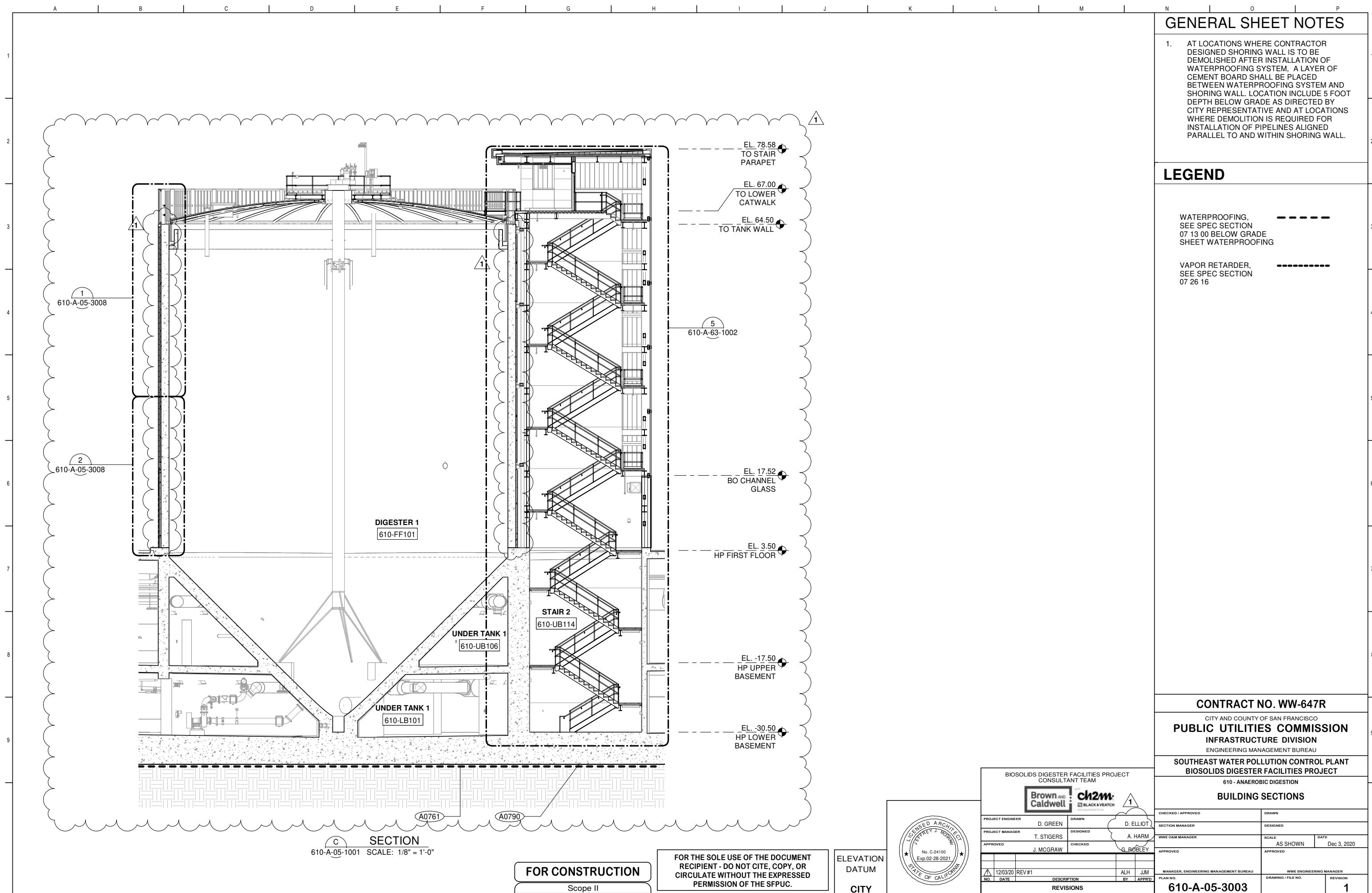


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FOR CONSTRUCTION
 Scope II

ELEVATION DATUM
 CITY

SECTION
 610-A-05-1001 SCALE: 1/8" = 1'-0"



C SECTION
610-A-05-1001 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
Scope II

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ELEVATION DATUM
CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV #1	ALH JJM
REVISIONS			

GENERAL SHEET NOTES

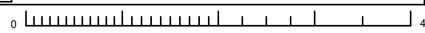
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LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
BUILDING SECTIONS

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-05-3003	1



GENERAL SHEET NOTES

- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOLOGICAL DIGESTER FACILITIES PROJECT

610 - ANAEROBIC DIGESTION
BUILDING SECTIONS

BIOLOGICAL DIGESTER FACILITIES PROJECT
 CONSULTANT TEAM



PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN DATE Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER

NO.	DATE	DESCRIPTION	BY	APPRD.
1	12/03/20	REV #1	ALH	JJM

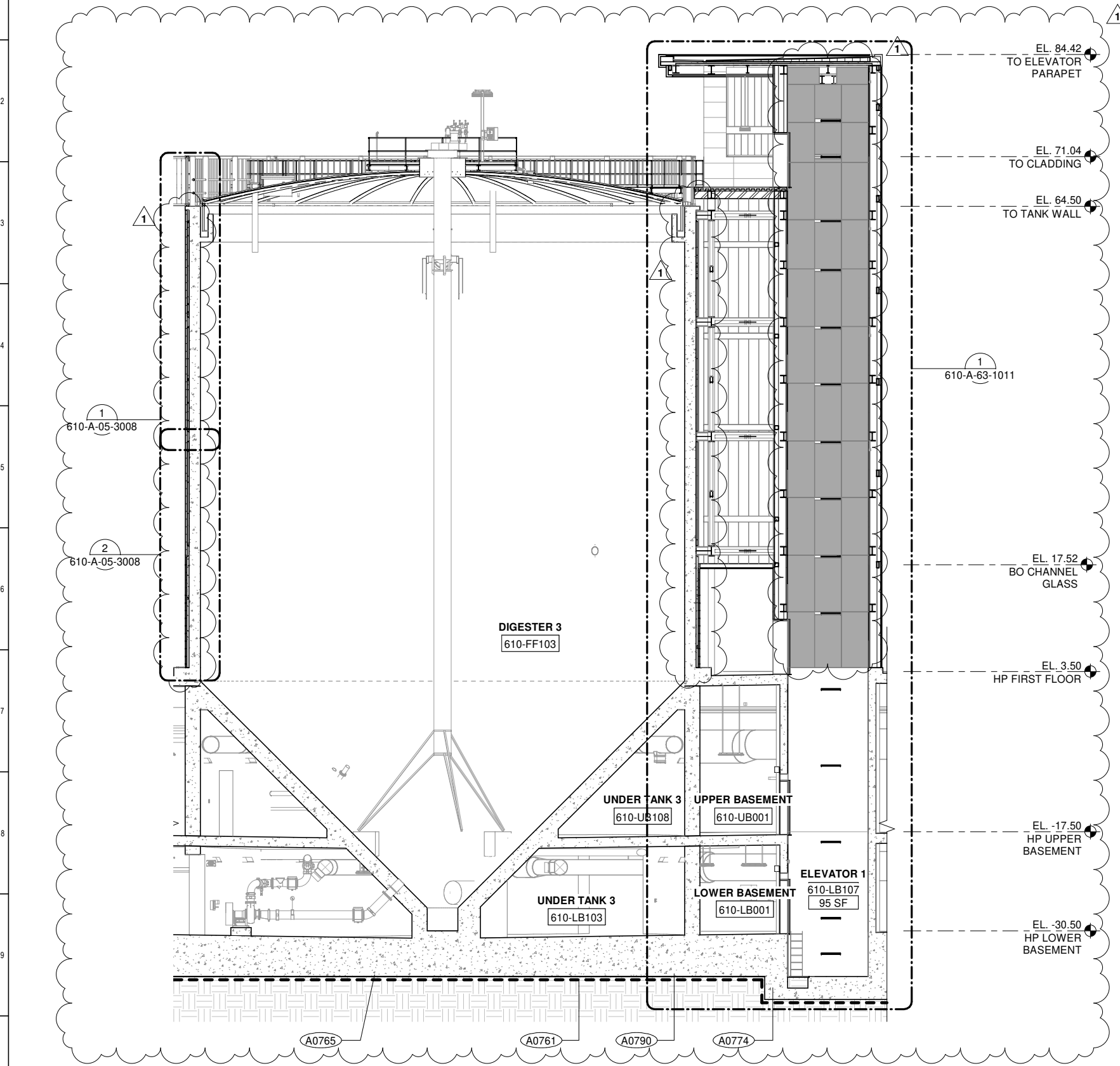
PLAN NO.	DRAWING / FILE NO.	REVISION
610-A-05-3004		1



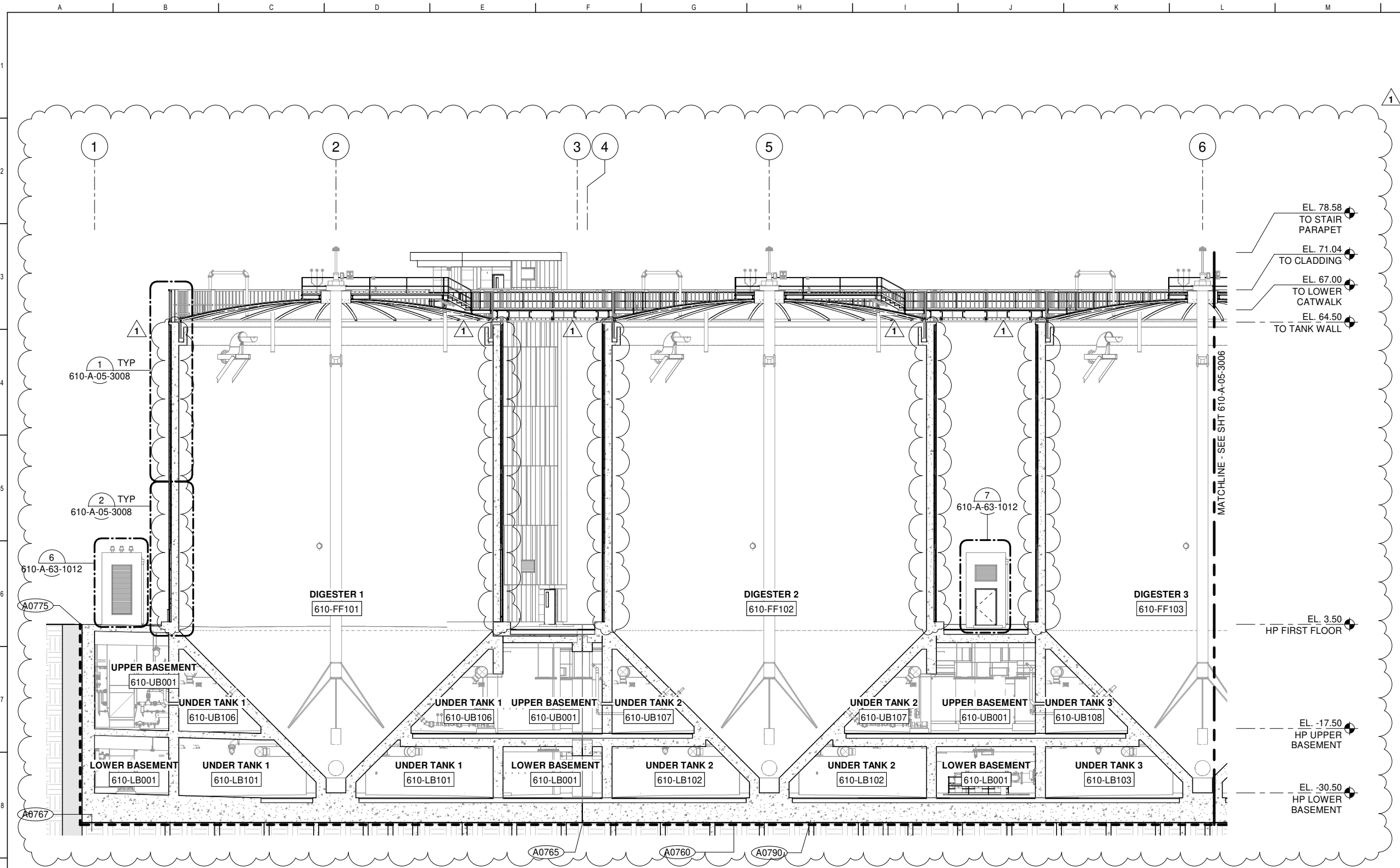
ELEVATION DATUM
 CITY

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FOR CONSTRUCTION
 Scope II



D SECTION
 610-A-05-1001 SCALE: 1/8" = 1'-0"



E1 SECTION
610-A-05-1001 SCALE: 3/32" = 1'-0"

GENERAL SHEET NOTES

- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

610 - ANAEROBIC DIGESTION

BUILDING SECTIONS

BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM



PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN DATE Dec 3, 2020
APPROVED	APPROVED

NO.	DATE	DESCRIPTION	BY	APPRD.
1	12/03/20	REV #1	ALH	JJM
REVISIONS				

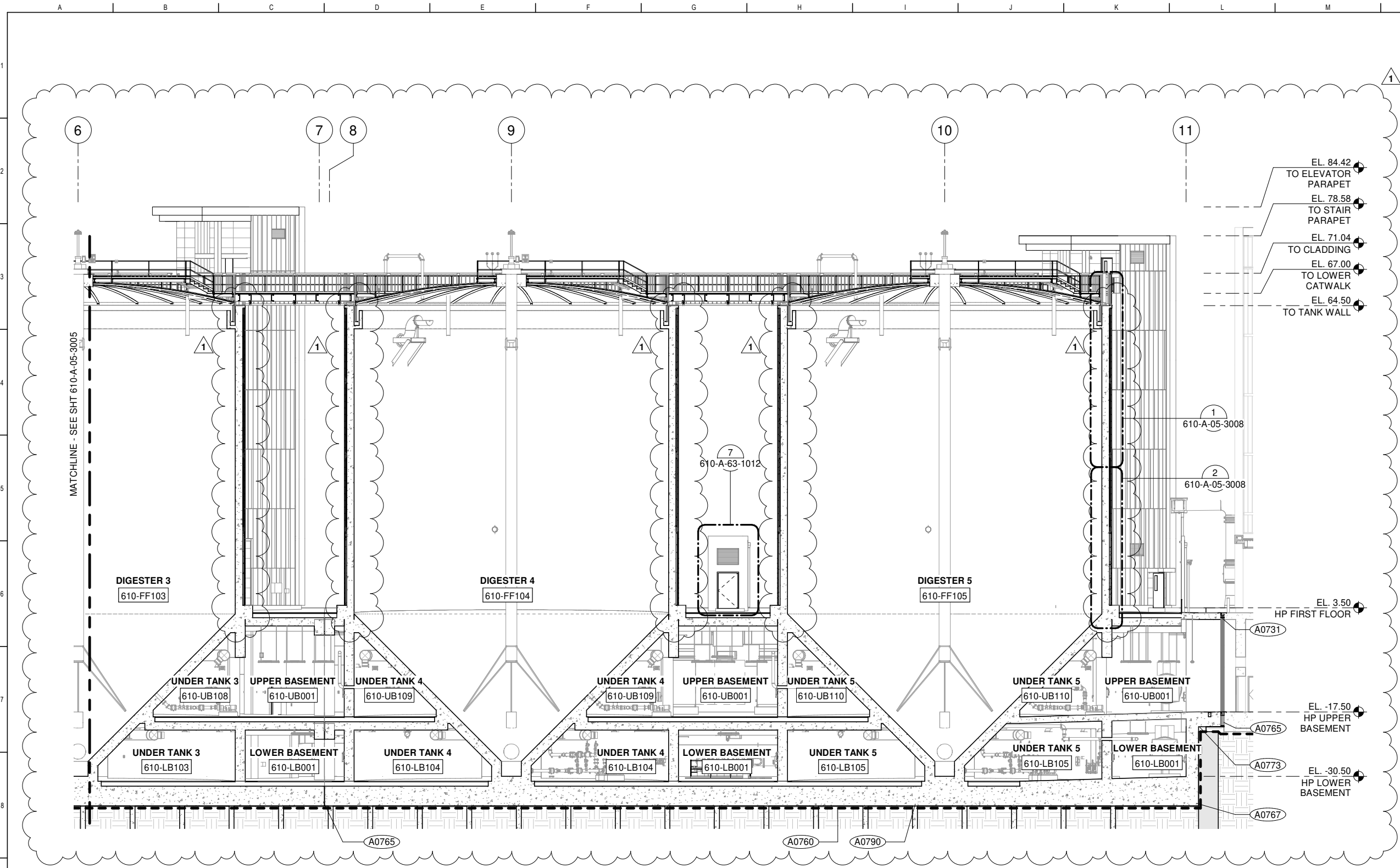
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PLAN NO. 610-A-05-3005	DRAWING / FILE NO.
REVISION	REVISION



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ELEVATION DATUM
CITY



GENERAL SHEET NOTES

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LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

E2 SECTION
610-A-05-1001 SCALE: 3/32" = 1'-0"

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
BUILDING SECTION



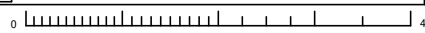
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT		
PROJECT MANAGER T. STIGERS	DESIGNED A. HARM		
APPROVED J. MCGRAW	CHECKED G. BOBLEY		
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
		REVISIONS	JJM

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-05-3006	1

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ELEVATION DATUM
CITY

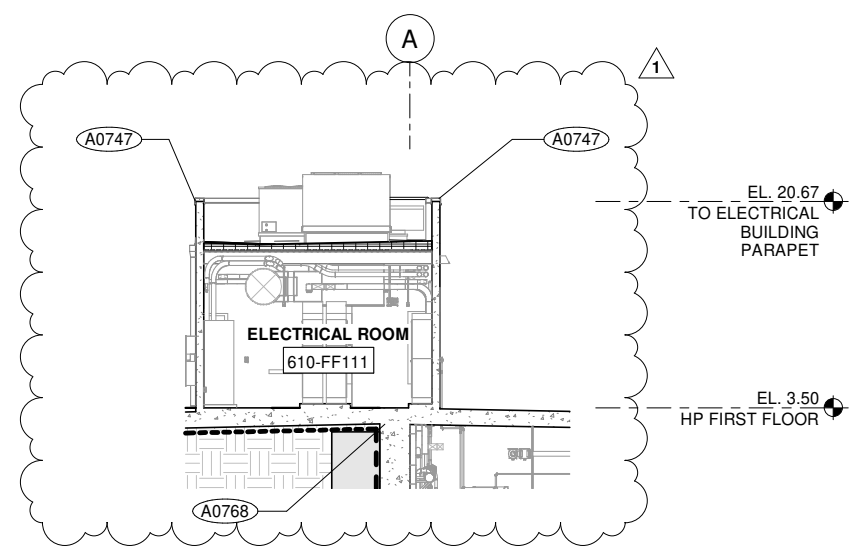


GENERAL SHEET NOTES

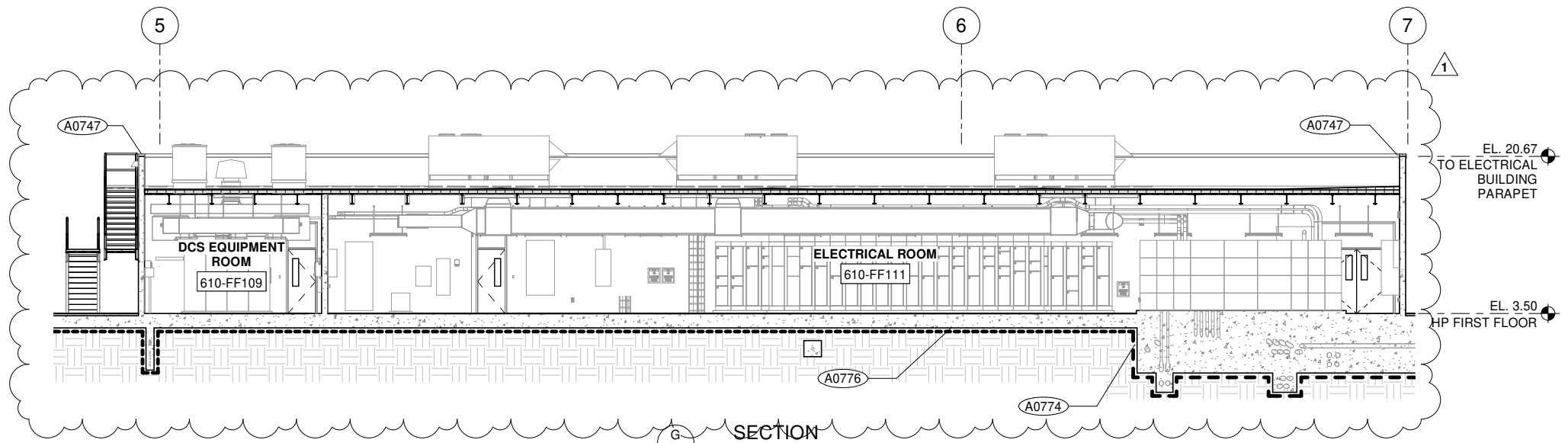
- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING 
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16 



SECTION F
610-A-05-1003 SCALE: 1/8" = 1'-0"



SECTION G
610-A-05-1004 SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-647R

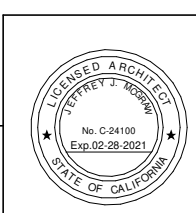
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

610 - ANAEROBIC DIGESTION
BUILDING SECTIONS

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
REVISIONS		DATE	BY

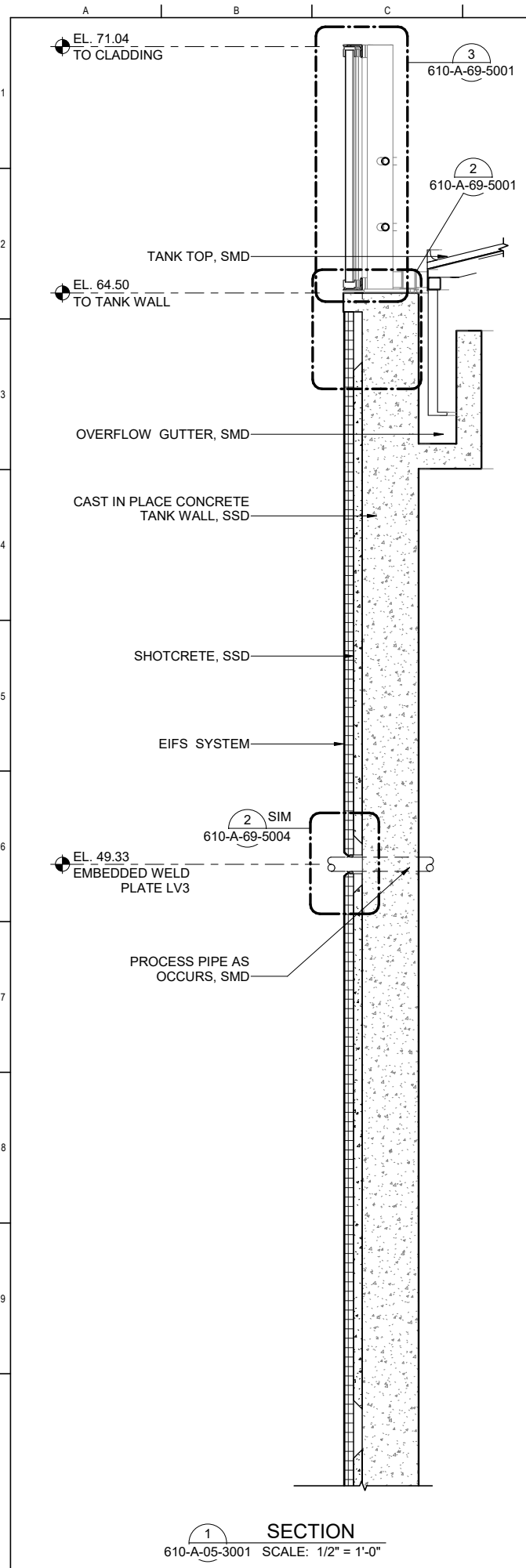
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-05-3007	1



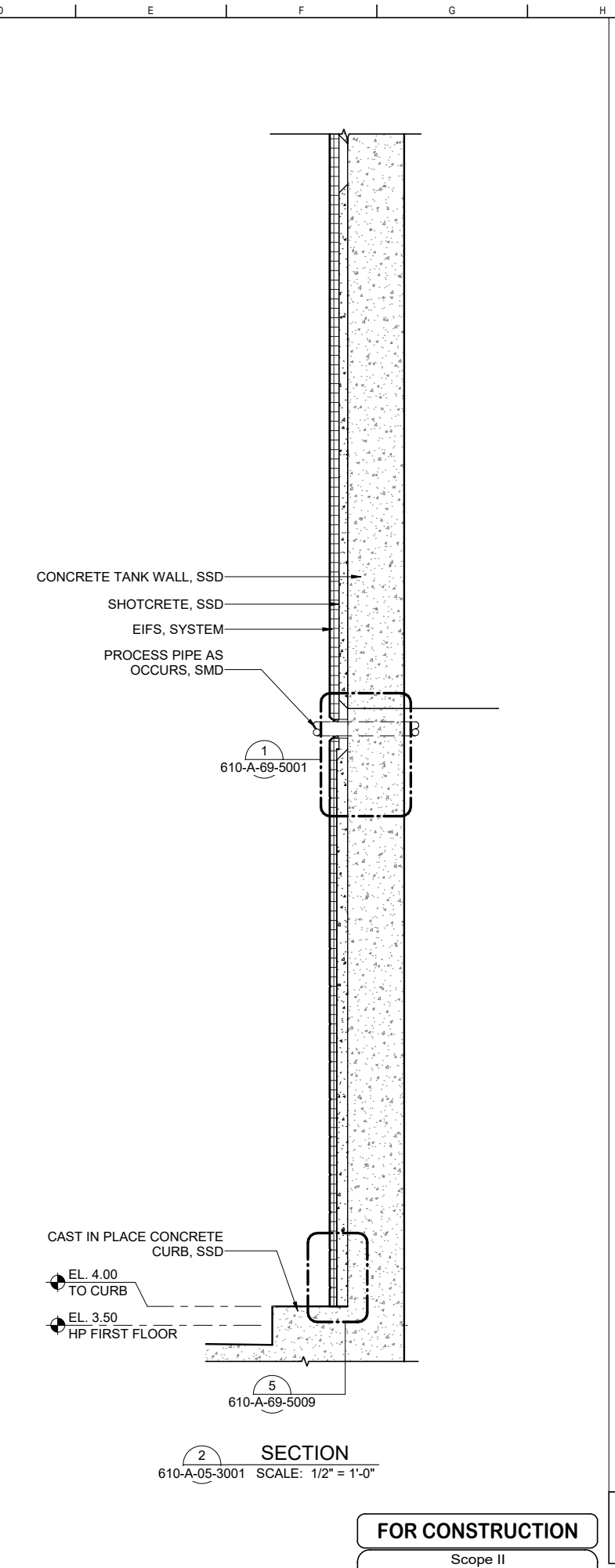
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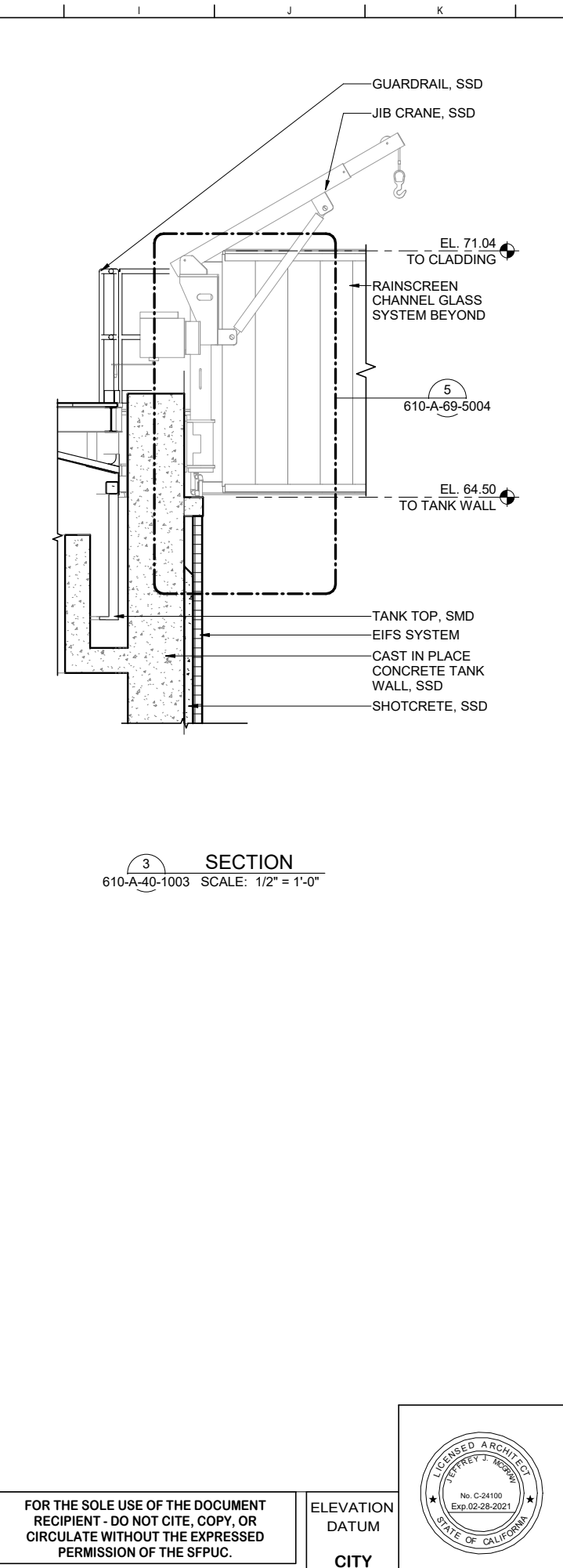
ELEVATION
DATUM
CITY



1 SECTION
610-A-05-3001 SCALE: 1/2" = 1'-0"



2 SECTION
610-A-05-3001 SCALE: 1/2" = 1'-0"



3 SECTION
610-A-40-1003 SCALE: 1/2" = 1'-0"

FOR CONSTRUCTION
Scope II

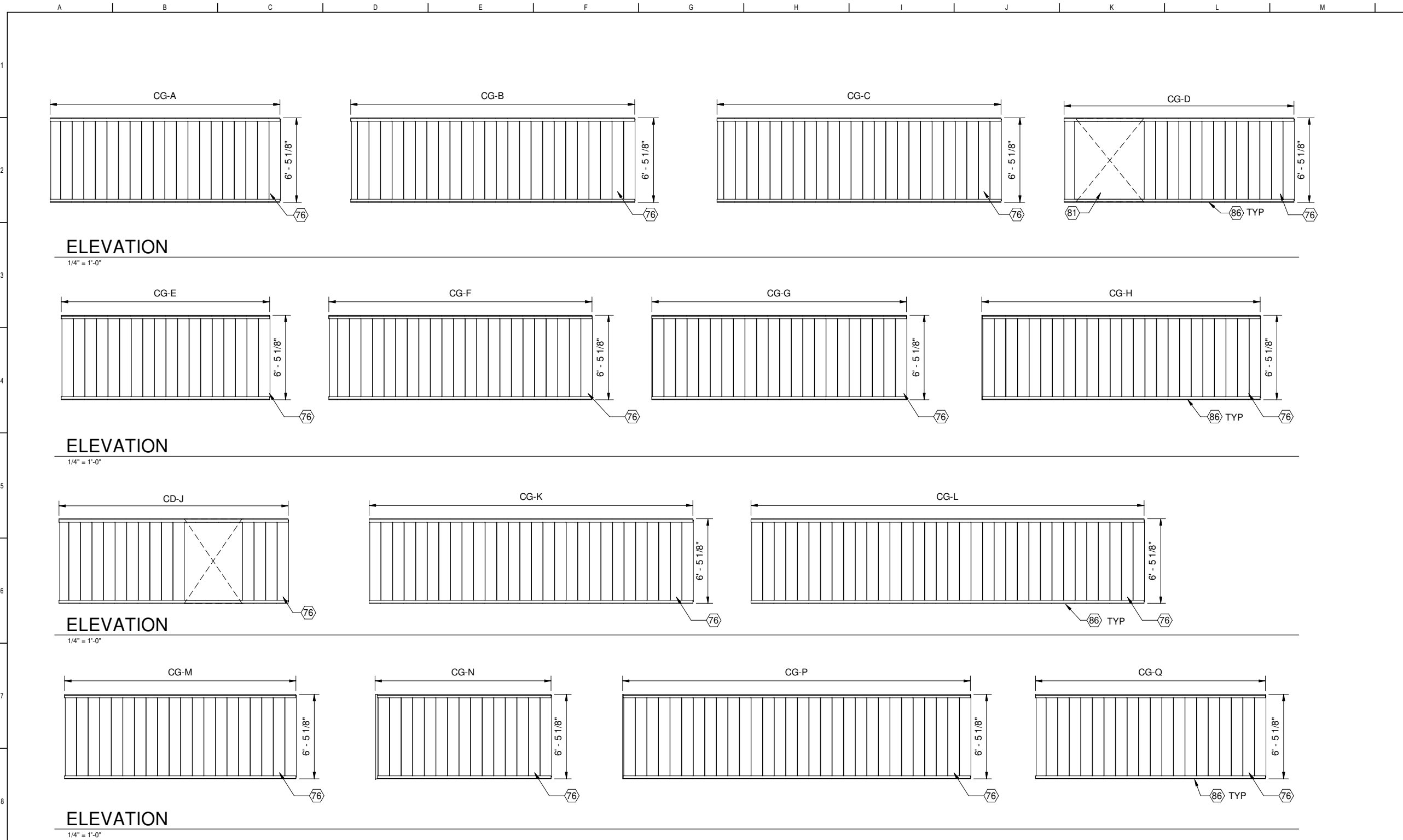
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

CONTRACT NO. WW-647R		
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU		
SOUTHEAST WATER POLLUTION CONTROL PLANT BIOSOLIDS DIGESTER FACILITIES PROJECT		
610 - ANAEROBIC DIGESTION		
WALL SECTIONS		
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SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	Oct 30, 2020
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION
610-A-05-3008		



GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE ARCHITECTURAL FINISH SCHEDULES FOR ADDITIONAL INFORMATION
3. SEE AREA PLANS FOR LOCATIONS OF CLADDING TYPES
4. VERTICAL DIMENSION IS ROUGH CLEAR DISTANCE BETWEEN STRUCTURAL SUPPORT

SHEET KEY NOTES

- 76 RAINSCREEN CHANNEL GLASS SYSTEM
- 81 OMIT CHANNEL GLASS AT PROCESS PIPE, TYP
- 86 RAINSCREEN CHANNEL GLASS MULLION TO HAVE OUTSIDE RADIUS OF 33' - 9", TYP

ELEVATION

1/4" = 1'-0"

ELEVATION

1/4" = 1'-0"

ELEVATION

1/4" = 1'-0"

ELEVATION

1/4" = 1'-0"

CONTRACT NO. WW-647R

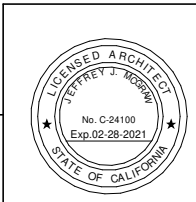
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

610 - ANAEROBIC DIGESTION

CLADDING ELEVATIONS

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS			

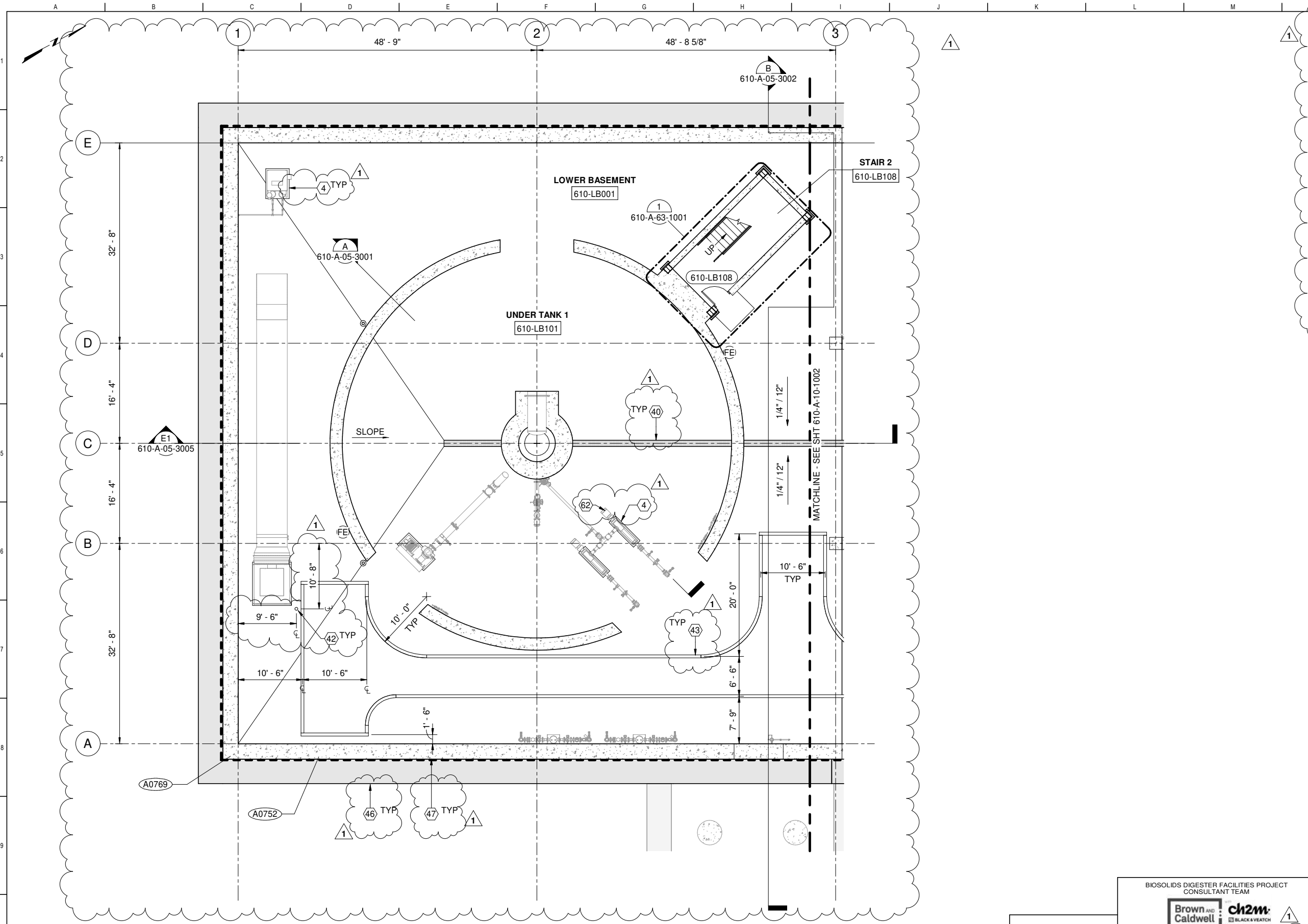


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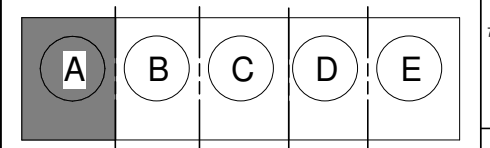
ELEVATION
 DATUM
 CITY

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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-05-4001	REVISION



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 2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
 3. SSD FOR STRUCTURAL INFORMATION
 4. SED FOR ELECTRICAL INFORMATION
 5. SMD FOR MECHANICAL INFORMATION
 6. SHVACD FOR HVAC INFORMATION
 7. SPD FOR PLUMBING INFORMATION
 8. SODC FOR ODOR INFORMATION
 9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
 10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

- ### SHEET KEY NOTES
- 4 CONCRETE PAD, SSD
 - 40 DRAIN GRATING, SSD
 - 42 BOLLARD, SSD
 - 43 PAINT STRIPE, TYP
 - 46 SHORING SYSTEM, SSD
 - 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
 - 62 PROCESS PIPING, SMD TYP



FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT PLAN AREA A

1 PLAN
 610-A-05-1001 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

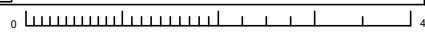
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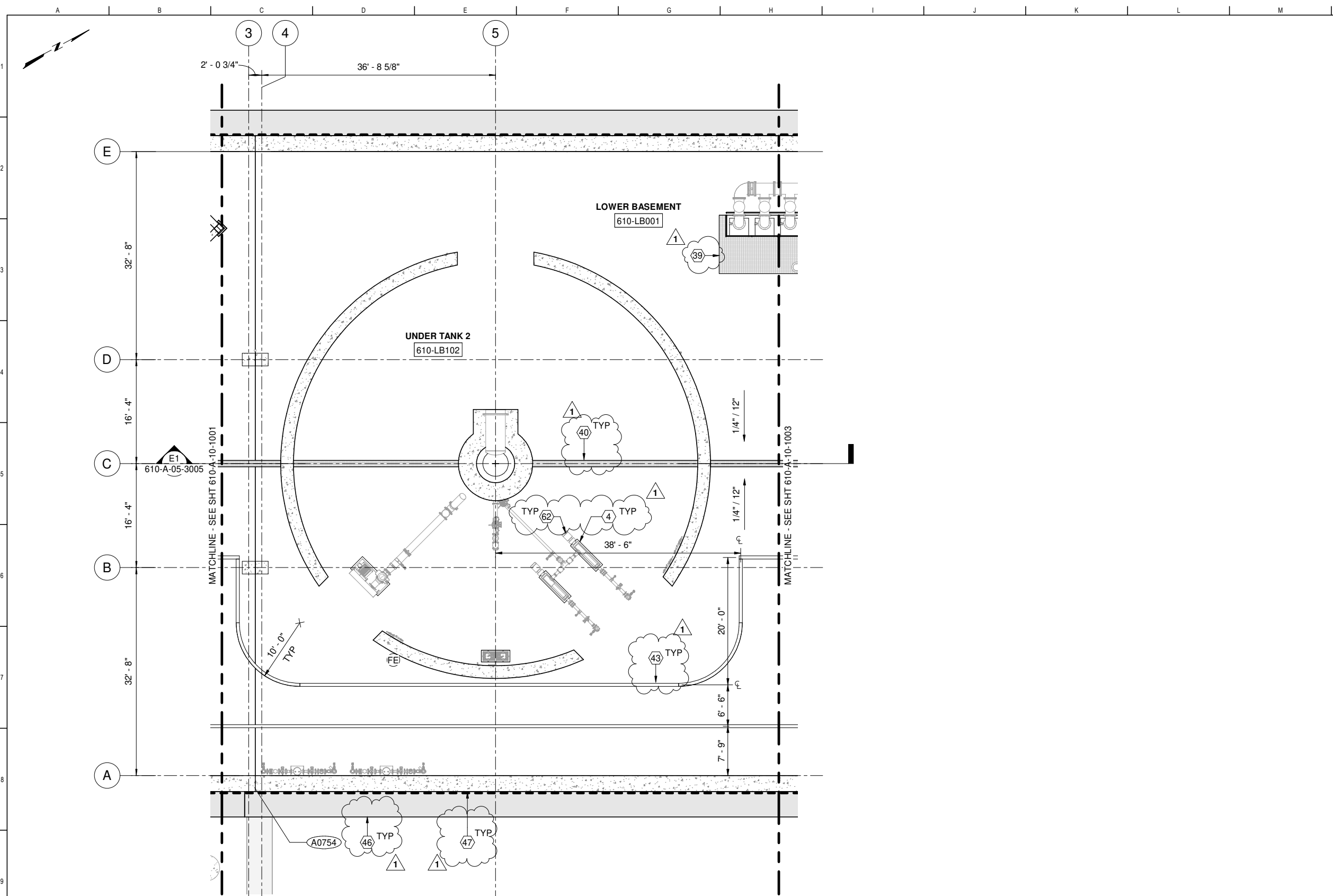
ELEVATION DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
REVISIONS		DATE	BY

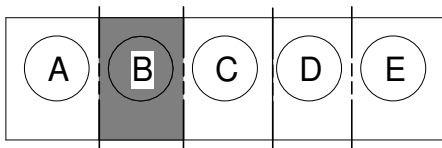
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WWW O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
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PLAN NO.	DRAWING / FILE NO.
610-A-10-1001	1





- ### GENERAL SHEET NOTES
1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
 2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
 3. SSD FOR STRUCTURAL INFORMATION
 4. SED FOR ELECTRICAL INFORMATION
 5. SMD FOR MECHANICAL INFORMATION
 6. SHVACD FOR HVAC INFORMATION
 7. SPD FOR PLUMBING INFORMATION
 8. SODC FOR ODOR INFORMATION
 9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
 10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

- ### SHEET KEY NOTES
- 4 CONCRETE PAD, SSD
 - 39 FLOOR GRATING, SSD
 - 40 DRAIN GRATING, SSD
 - 43 PAINT STRIPE, TYP
 - 46 SHORING SYSTEM, SSD
 - 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
 - 62 PROCESS PIPING, SMD TYP



FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT PLAN AREA B

1 PLAN
 610-A-05-1001 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

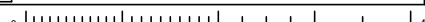
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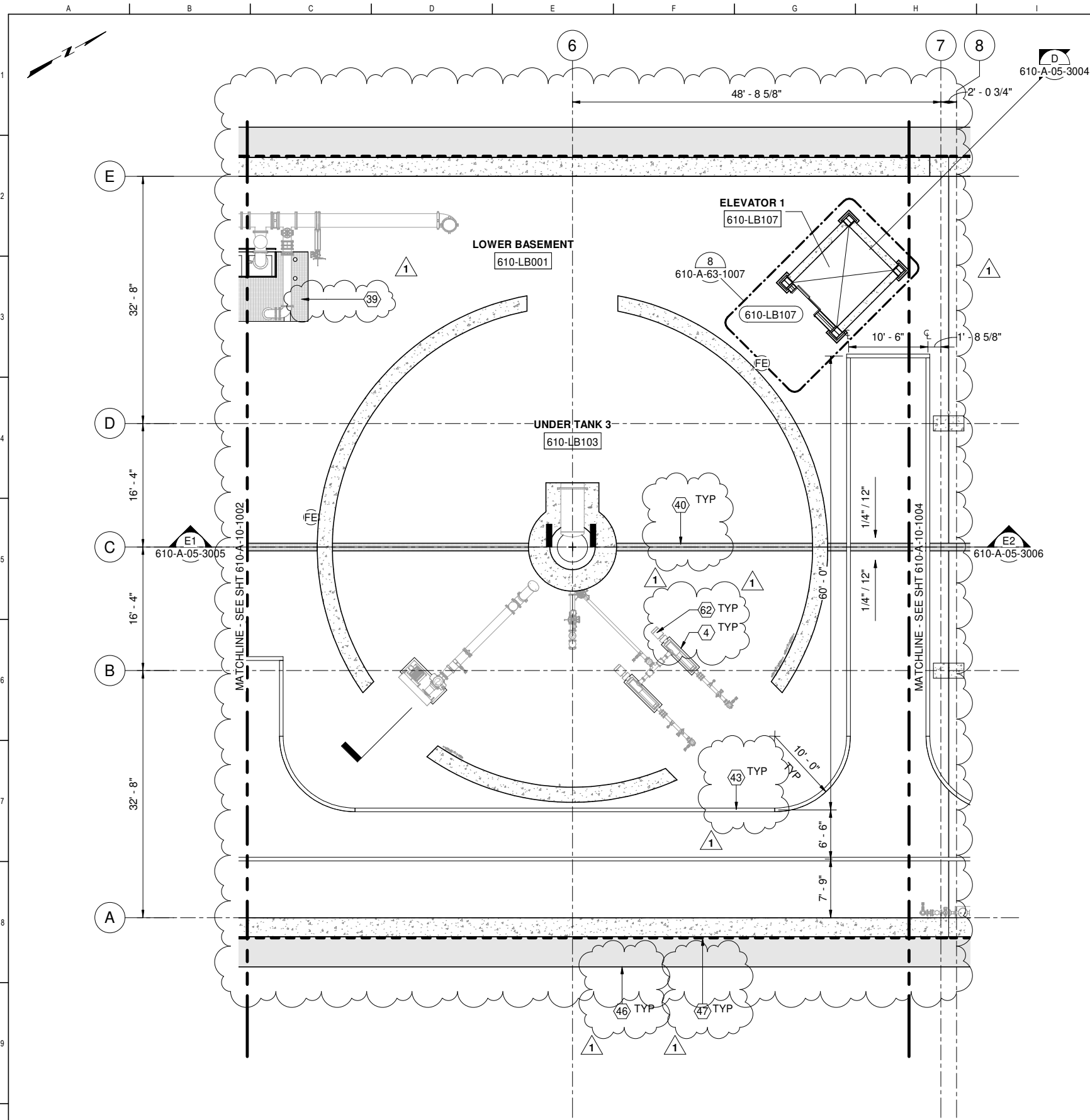
ELEVATION
 DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
REVISIONS		DATE	BY

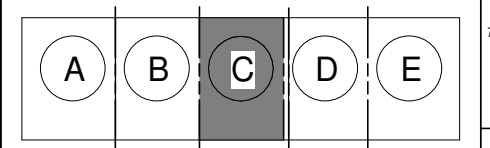
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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-10-1002	1





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 - SSD FOR STRUCTURAL INFORMATION
 - SED FOR ELECTRICAL INFORMATION
 - SMD FOR MECHANICAL INFORMATION
 - SHVACD FOR HVAC INFORMATION
 - SPD FOR PLUMBING INFORMATION
 - SODC FOR ODOR INFORMATION
 - DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
 - MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

- ### SHEET KEY NOTES
- CONCRETE PAD, SSD
 - FLOOR GRATING, SSD
 - DRAIN GRATING, SSD
 - PAINT STRIPE, TYP
 - SHORING SYSTEM, SSD
 - WATERPROOFING, SEE SPEC SECTION 07 13 00
 - PROCESS PIPING, SMD TYP



1 PLAN
610-A-05-1001 SCALE: 1/8" = 1'-0"

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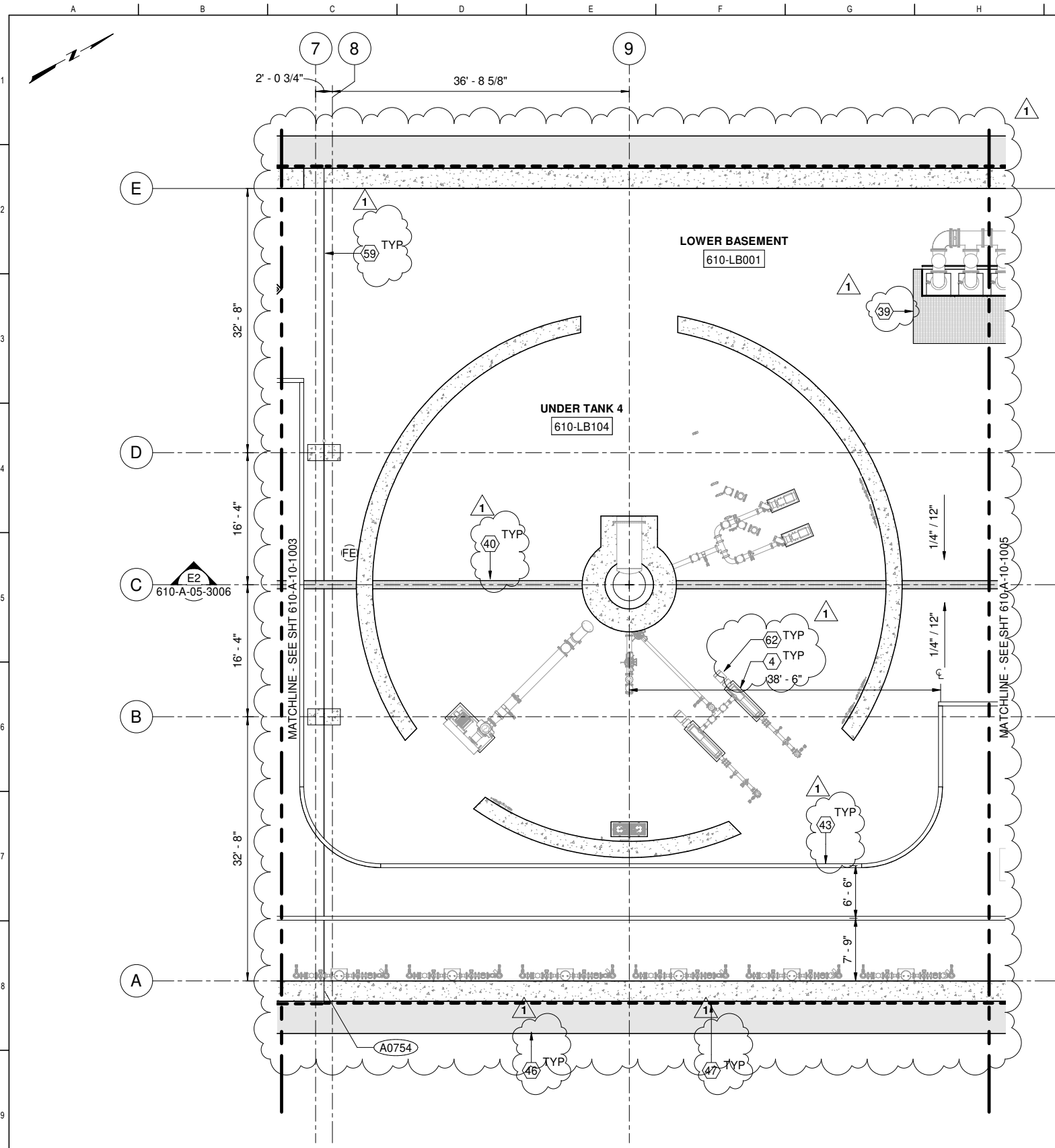
ELEVATION DATUM
CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
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REVISIONS		DATE	BY

FACILITY AREA PLAN
CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
LOWER BASEMENT PLAN AREA C

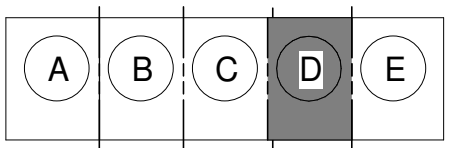
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SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
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1 PLAN
610-A-05-1001 SCALE: 1/8" = 1'-0"

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 3. SSD FOR STRUCTURAL INFORMATION
 4. SED FOR ELECTRICAL INFORMATION
 5. SMD FOR MECHANICAL INFORMATION
 6. SHVACD FOR HVAC INFORMATION
 7. SPD FOR PLUMBING INFORMATION
 8. SODC FOR ODOR INFORMATION
 9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
 10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

- ### SHEET KEY NOTES
- 4 CONCRETE PAD, SSD
 - 39 FLOOR GRATING, SSD
 - 40 DRAIN GRATING, SSD
 - 43 PAINT STRIPE, TYP
 - 46 SHORING SYSTEM, SSD
 - 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
 - 59 CONTROL JOINT, SSD
 - 62 PROCESS PIPING, SMD TYP



FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT PLAN AREA D



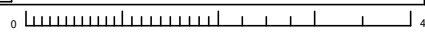
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
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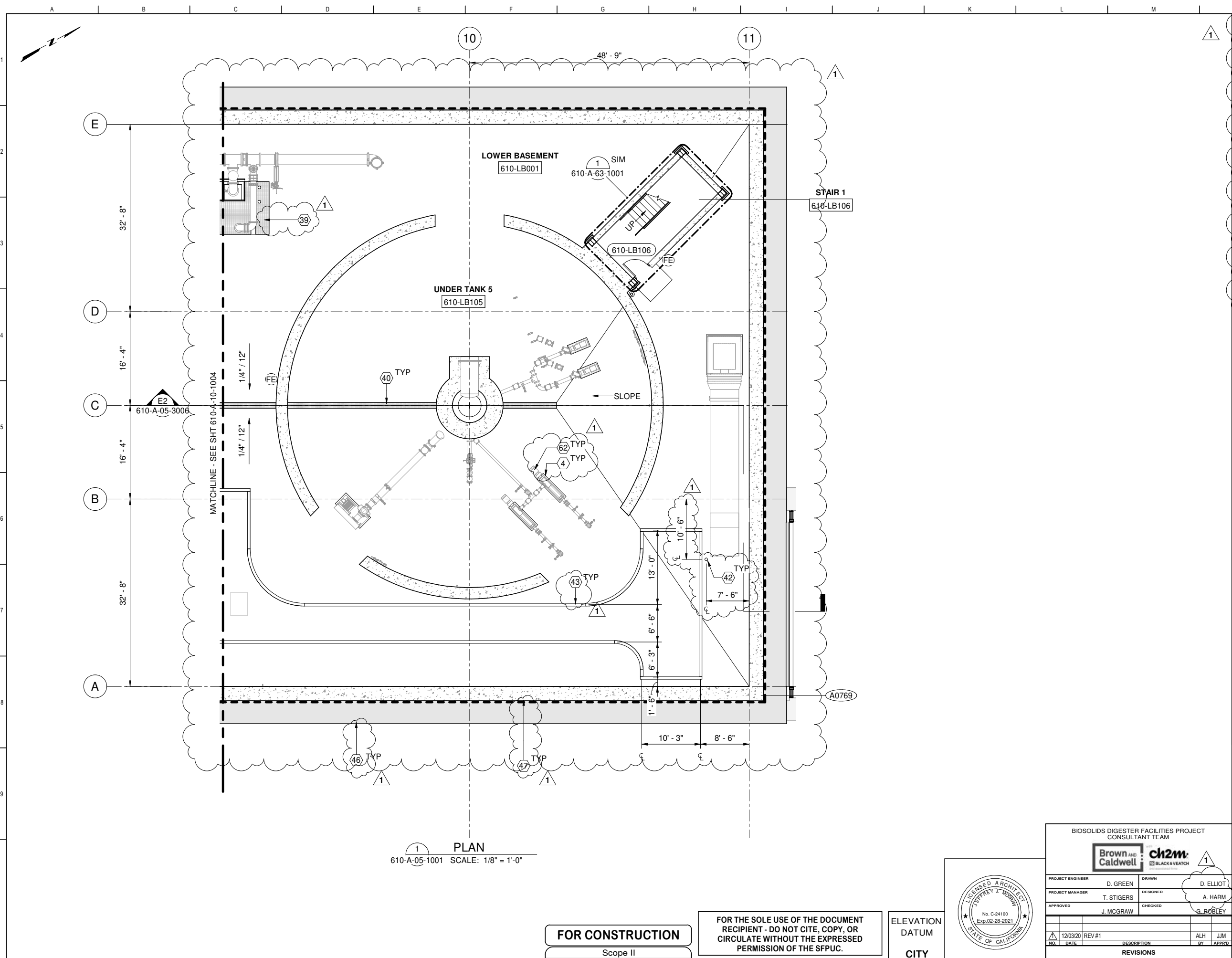
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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
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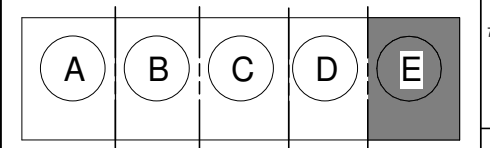
ELEVATION
 DATUM
 CITY





- ### GENERAL SHEET NOTES
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 - SSD FOR STRUCTURAL INFORMATION
 - SED FOR ELECTRICAL INFORMATION
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 - SHVACD FOR HVAC INFORMATION
 - SPD FOR PLUMBING INFORMATION
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 - DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
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- ### SHEET KEY NOTES
- CONCRETE PAD, SSD
 - FLOOR GRATING, SSD
 - DRAIN GRATING, SSD
 - BOLLARD, SSD
 - PAINT STRIPE, TYP
 - SHORING SYSTEM, SSD
 - WATERPROOFING, SEE SPEC SECTION 07 13 00
 - PROCESS PIPING, SMD TYP



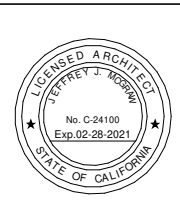
FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT PLAN AREA E

1 PLAN
 610-A-05-1001 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

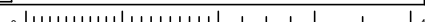
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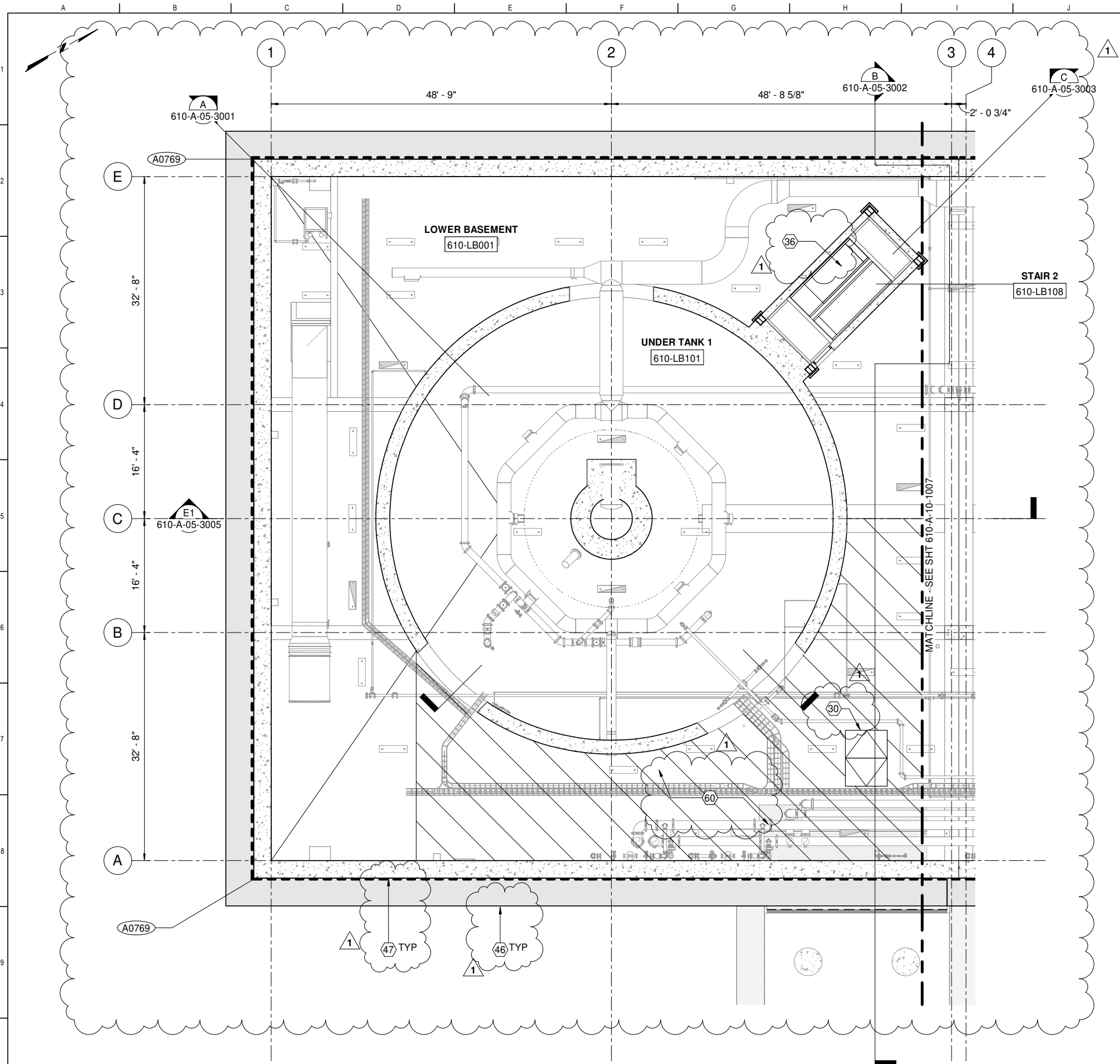
ELEVATION
 DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH JJM
REVISIONS		DATE	BY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-10-1005	1



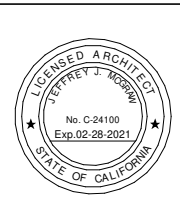


1 PLAN
610-A-05-1005 SCALE: 1/8" = 1'-0"

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ELEVATION DATUM
CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV #1	ALH JJM
REVISIONS		DATE	BY

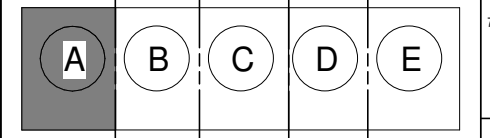
GENERAL SHEET NOTES

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2. SEE ARCHITECTURAL FINISH SCHEDULES FOR ADDITIONAL FINISH INFORMATION
3. SEE AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
4. SMD FOR MECHANICAL INFORMATION
5. SHVACD FOR HVAC INFORMATION
6. SPD FOR PLUMBING INFORMATION
7. SODC FOR ODOR CONTROL INFORMATION



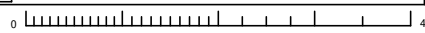
SHEET KEY NOTES

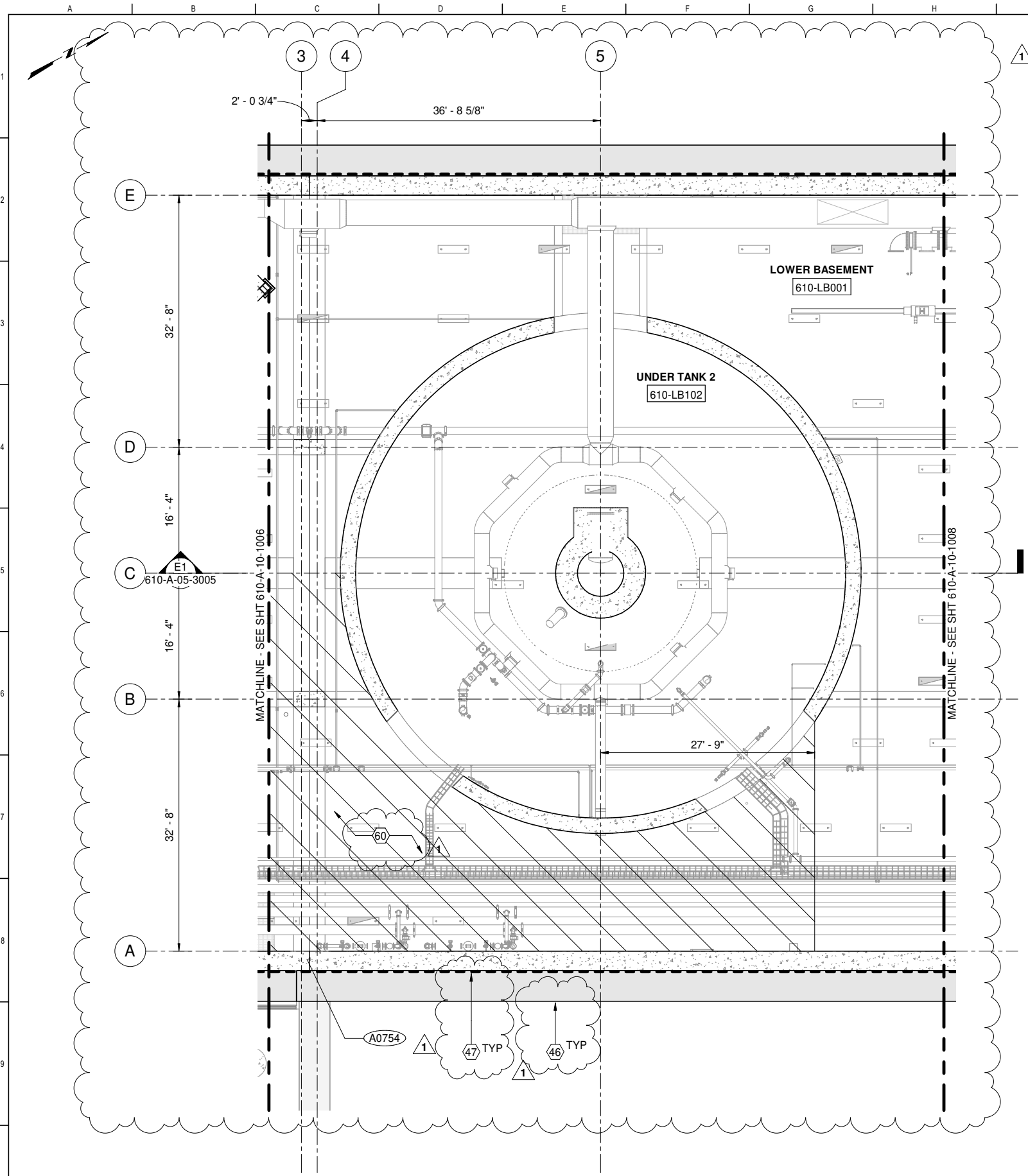
- 30 FLOOR HATCH, SSD
- 36 METAL STAIR, SSD
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
- 60 SFRM COVERAGE AREA. SEE SHEET 000-A-75-6002



FACILITY AREA PLAN
CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
LOWER BASEMENT REFLECTED CEILING PLAN
AREA A

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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	DATE
Dec 3, 2020	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-10-1006	1





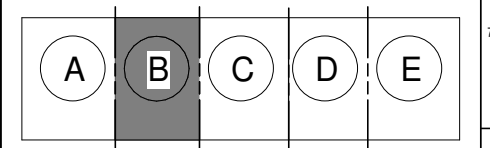
GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
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3. SEE AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
4. SMD FOR MECHANICAL INFORMATION
5. SHVACD FOR HVAC INFORMATION
6. SPD FOR PLUMBING INFORMATION
7. SODC FOR ODOR CONTROL INFORMATION



SHEET KEY NOTES

- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
- 60 SFRM COVERAGE AREA. SEE SHEET 000-A-75-6002



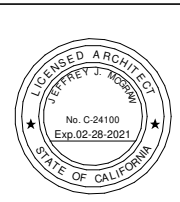
FACILITY AREA PLAN
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PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT REFLECTED CEILING PLAN
AREA B

1 PLAN
 610-A-05-1005 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

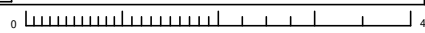
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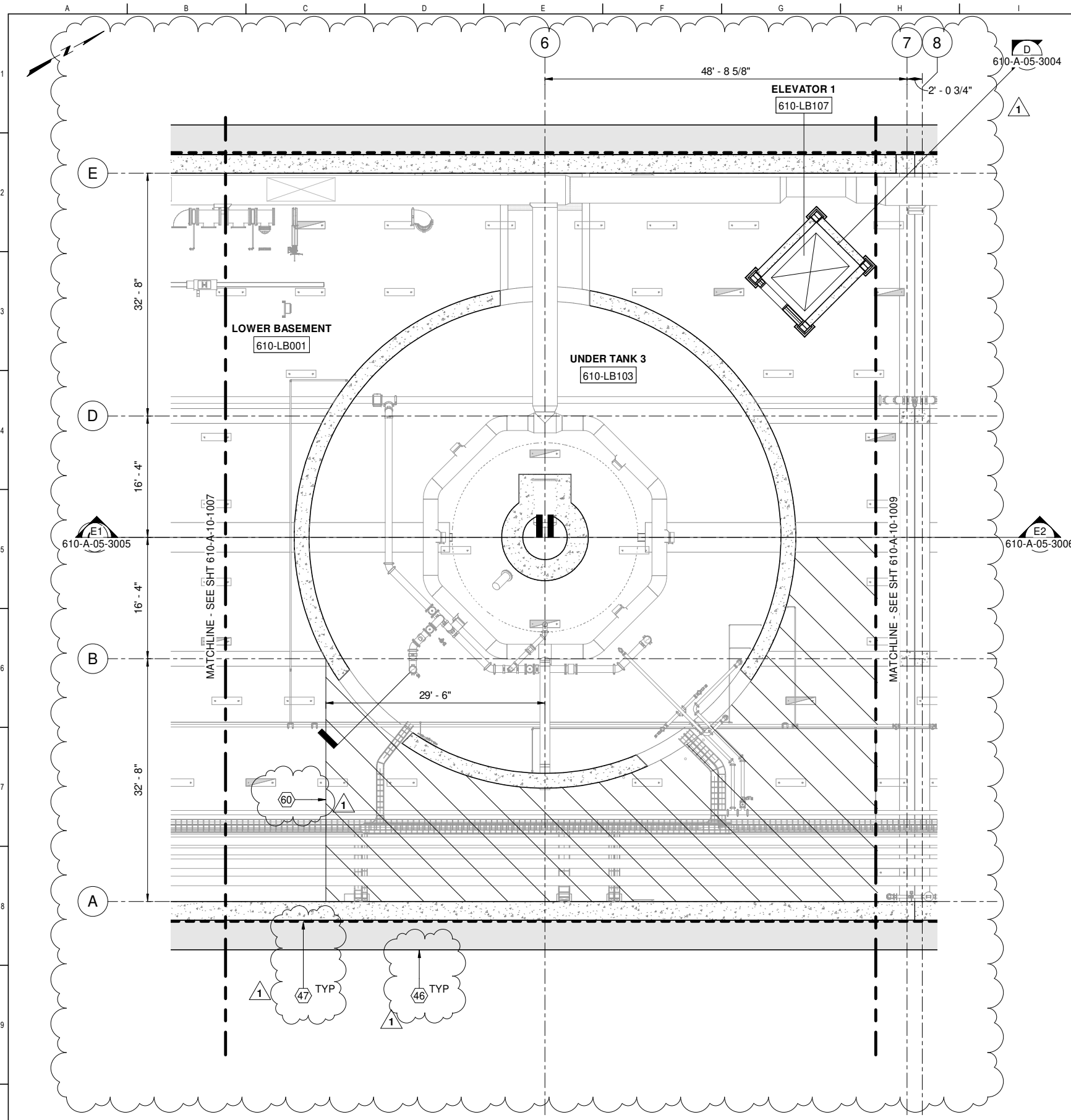
ELEVATION DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
REVISIONS		DATE	BY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-10-1007	1





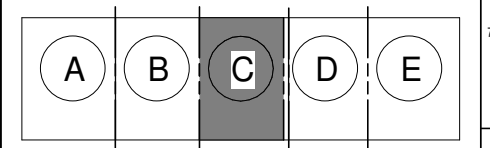
GENERAL SHEET NOTES

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3. SEE AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
4. SMD FOR MECHANICAL INFORMATION
5. SHVACD FOR HVAC INFORMATION
6. SPD FOR PLUMBING INFORMATION
7. SODC FOR ODOR CONTROL INFORMATION



SHEET KEY NOTES

- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
- 60 SFRM COVERAGE AREA. SEE SHEET 000-A-75-6002



FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT REFLECTED CEILING PLAN
AREA C

1 PLAN
 610-A-05-1005 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

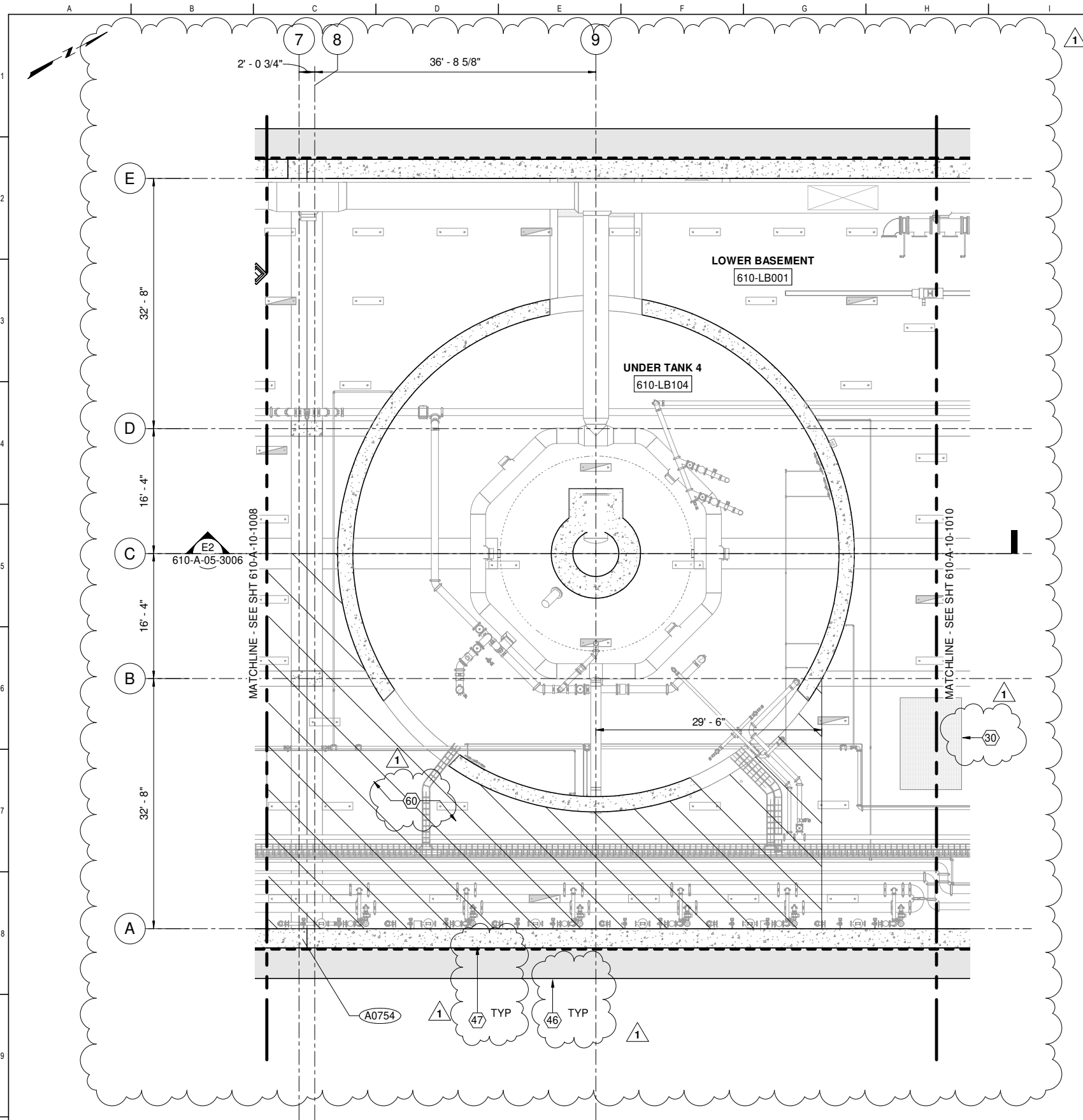
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ELEVATION DATUM
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV #1	ALH
REVISIONS		DATE	BY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-10-1008	1



1 PLAN
610-A-05-1005 SCALE: 1/8" = 1'-0"

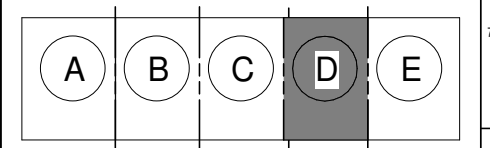
GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE ARCHITECTURAL FINISH SCHEDULES FOR ADDITIONAL FINISH INFORMATION
3. SED AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
4. SMD FOR MECHANICAL INFORMATION
5. SHVACD FOR HVAC INFORMATION
6. SPD FOR PLUMBING INFORMATION
7. SODC FOR ODOR CONTROL INFORMATION



SHEET KEY NOTES

- 30 FLOOR HATCH, SSD
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
- 60 SFRM COVERAGE AREA. SEE SHEET 000-A-75-6002



FACILITY AREA PLAN
CONTRACT NO. WW-647R
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 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT REFLECTED CEILING PLAN
AREA D



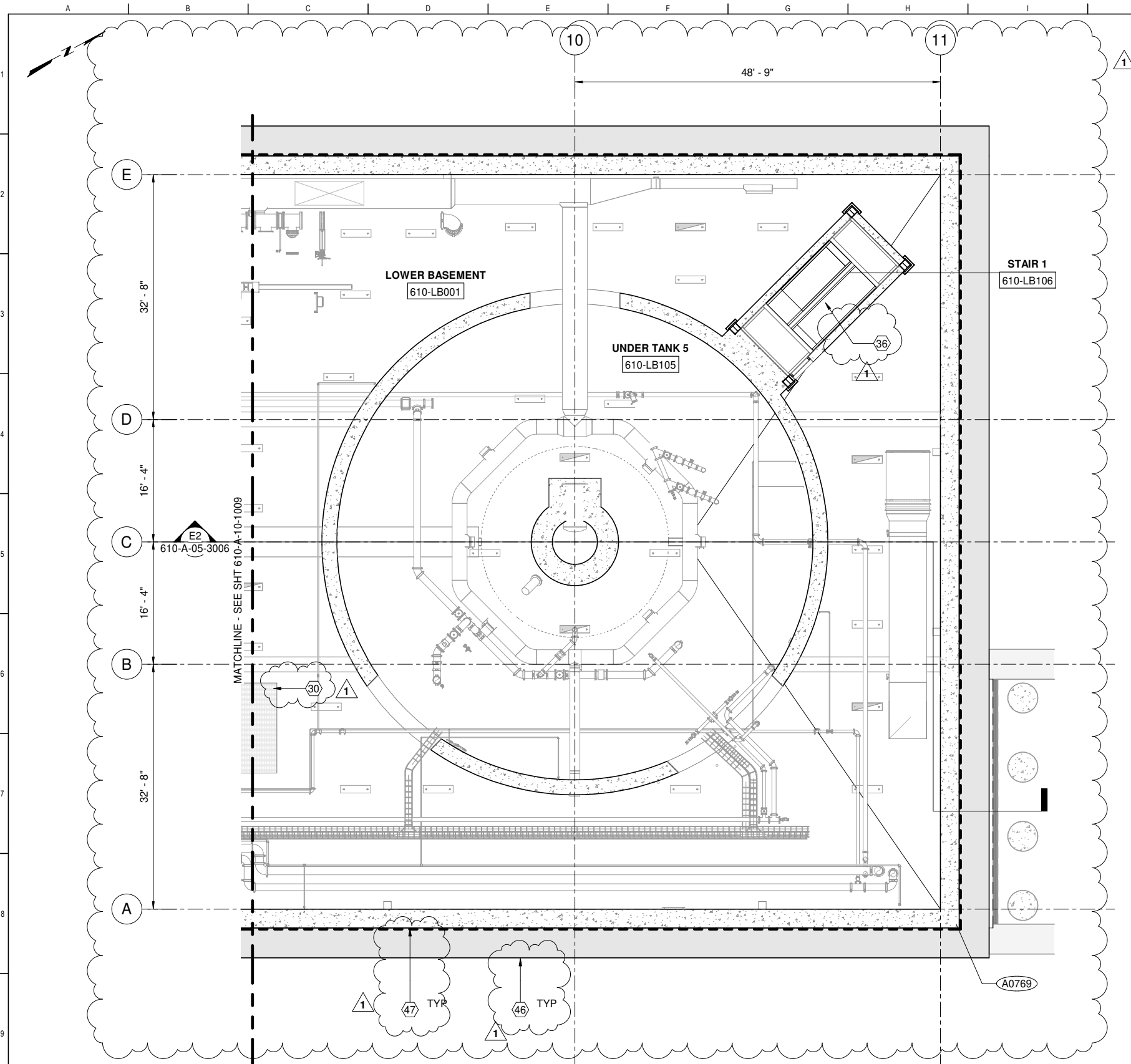
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
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MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
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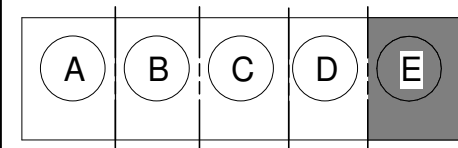
GENERAL SHEET NOTES

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3. SEE AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
4. SMD FOR MECHANICAL INFORMATION
5. SHVACD FOR HVAC INFORMATION
6. SPD FOR PLUMBING INFORMATION
7. SODC FOR ODOR CONTROL INFORMATION



SHEET KEY NOTES

- 30 FLOOR HATCH, SSD
- 36 METAL STAIR, SSD
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00



FACILITY AREA PLAN
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SOUTHEAST WATER POLLUTION CONTROL PLANT
BIO-SOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
LOWER BASEMENT REFLECTED CEILING PLAN
AREA E

1 PLAN
 610-A-05-1005 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

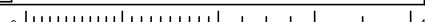
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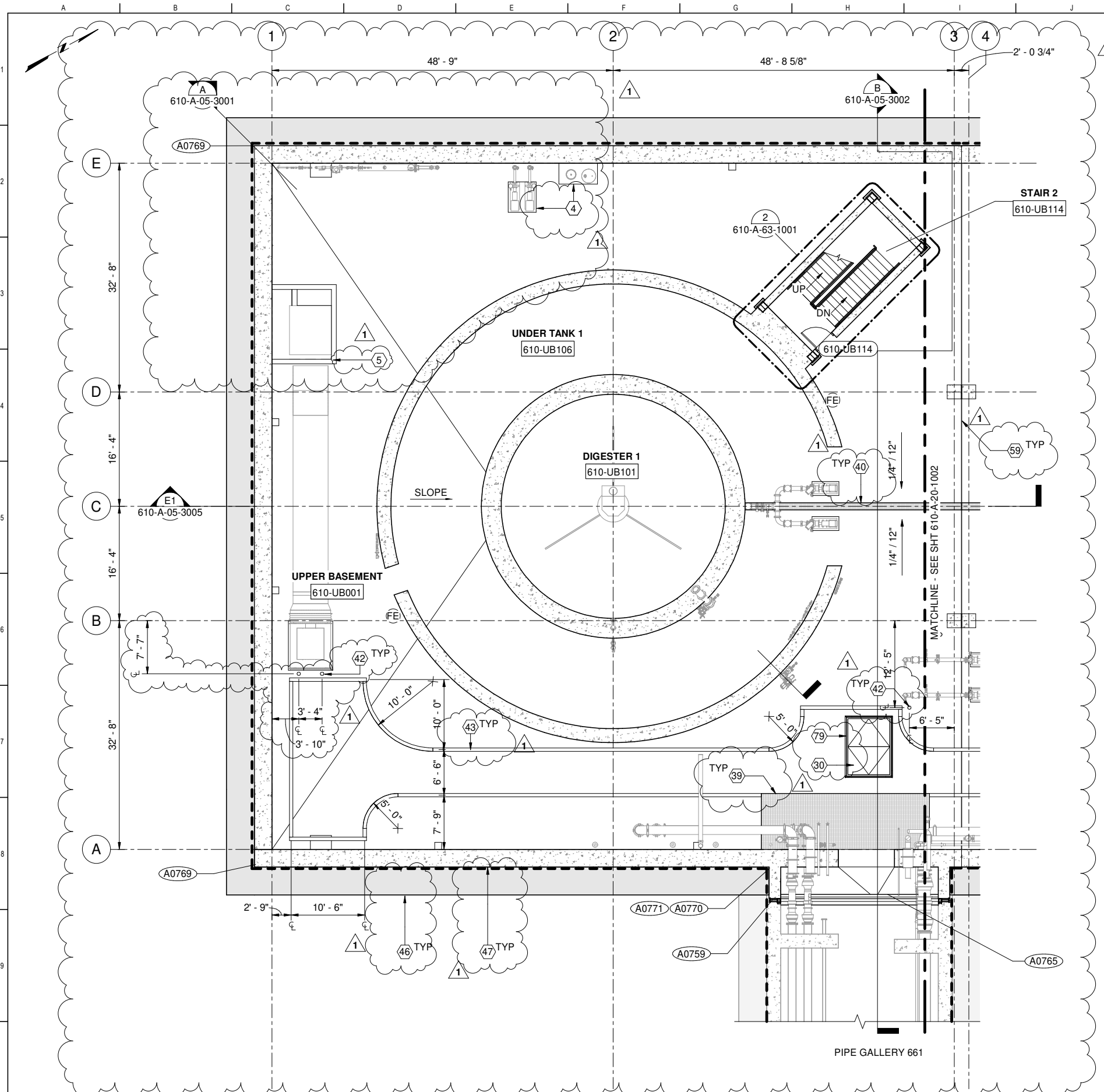
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
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WWE O&M MANAGER	SCALE AS SHOWN
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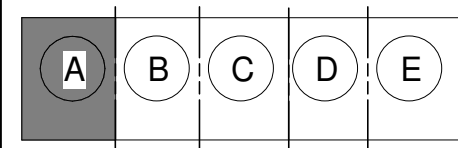


GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
5. SMD FOR MECHANICAL INFORMATION
6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 5 CONCRETE CURB, SSD
- 30 FLOOR HATCH, SSD
- 39 FLOOR GRATING, SSD
- 40 DRAIN GRATING, SSD
- 42 BOLLARD, SSD
- 43 PAINT STRIPE, TYP
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
- 59 CONTROL JOINT, SSD
- 79 GUARDRAILS PER STANDARD DETAIL S5517



FACILITY AREA PLAN
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 INFRASTRUCTURE DIVISION
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SOUTHEAST WATER POLLUTION CONTROL PLANT
BIO SOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT PLAN AREA A

1 PLAN
 610-A-05-1002 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

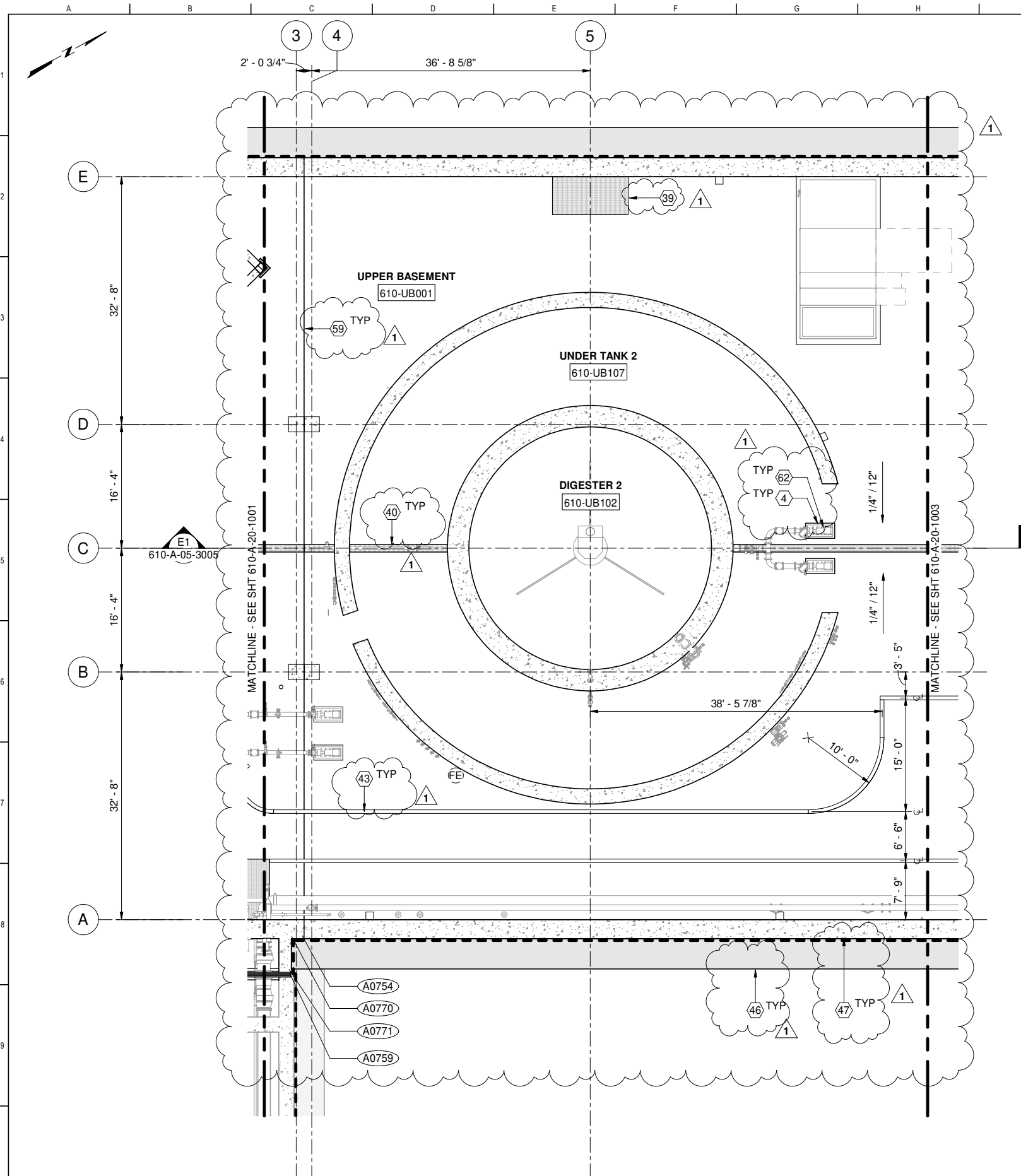
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV #1	ALH
REVISIONS		DATE	BY

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SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-20-1001	1

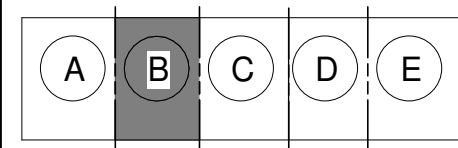


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2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
5. SMD FOR MECHANICAL INFORMATION
6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 39 FLOOR GRATING, SSD
- 40 DRAIN GRATING, SSD
- 43 PAINT STRIPE, TYP
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
- 59 CONTROL JOINT, SSD
- 62 PROCESS PIPING, SMD TYP



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SOUTHEAST WATER POLLUTION CONTROL PLANT
BIO SOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT PLAN AREA B

1 PLAN
 610-A-05-1002 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

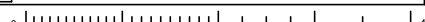
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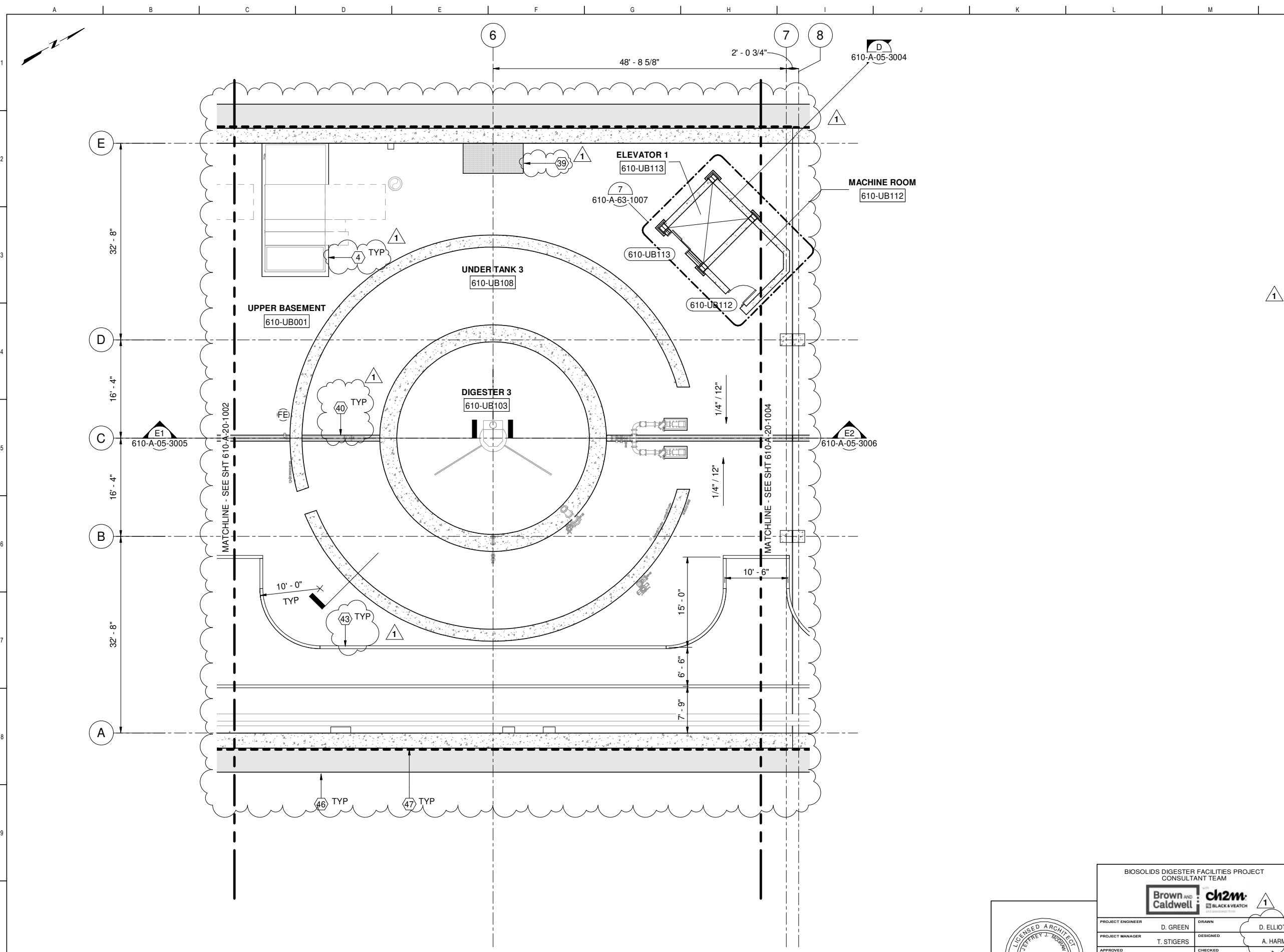
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
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WWE O&M MANAGER	SCALE AS SHOWN
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MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
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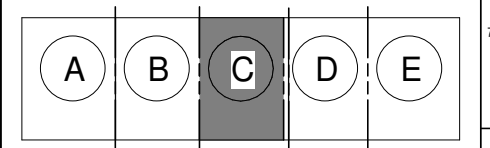


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4. SED FOR ELECTRICAL INFORMATION
5. SMD FOR MECHANICAL INFORMATION
6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 39 FLOOR GRATING, SSD
- 40 DRAIN GRATING, SSD
- 43 PAINT STRIPE, TYP
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00



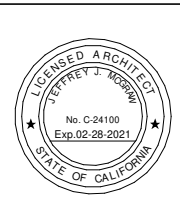
FACILITY AREA PLAN
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 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT PLAN AREA C

1 PLAN
 610-A-05-1002 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

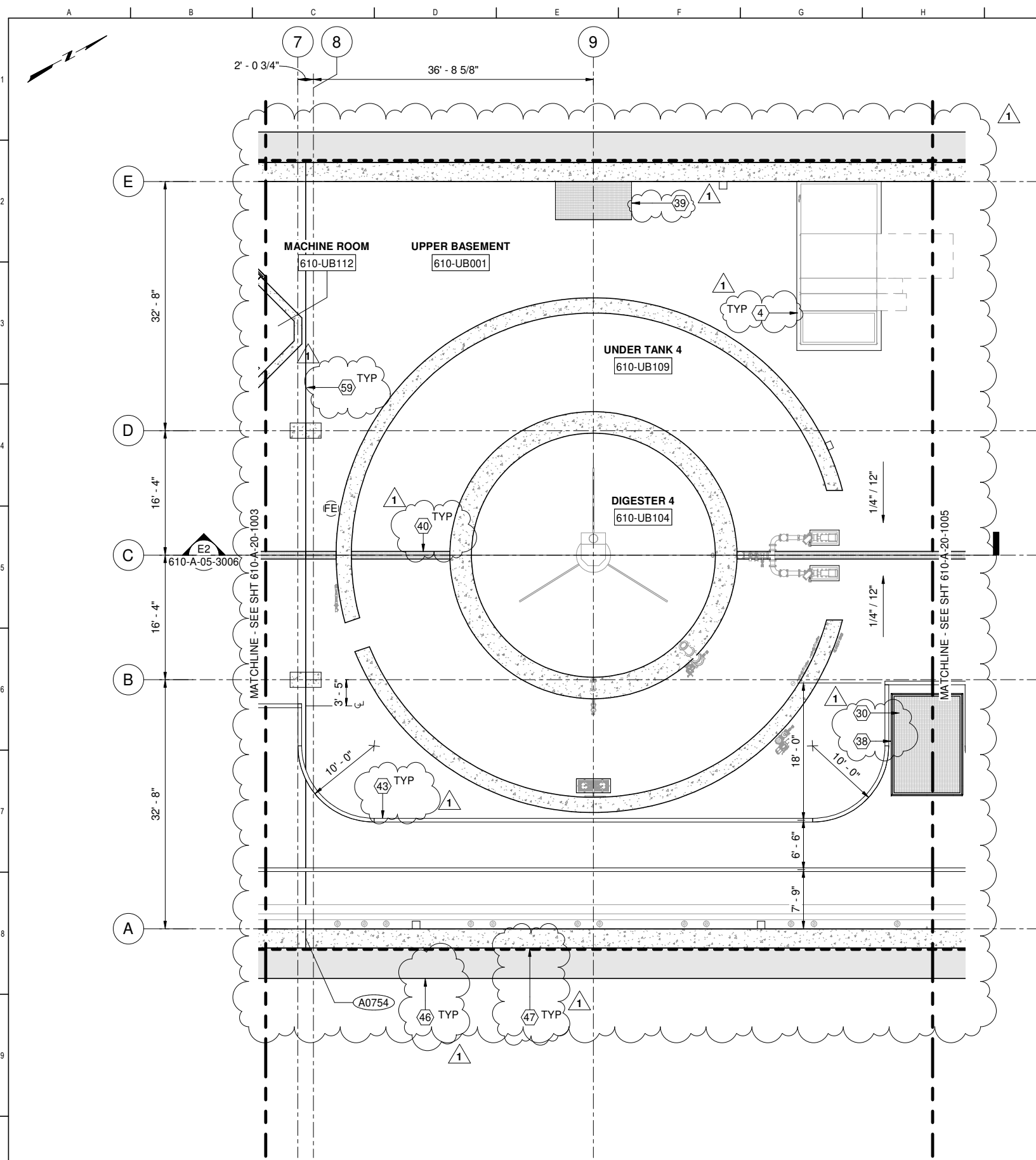
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
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REVISIONS		DATE	BY

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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
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MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-20-1003	1

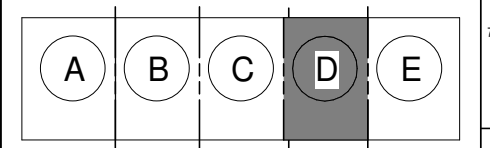


GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
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6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 30 FLOOR HATCH, SSD
- 38 GUARDRAIL, SSD
- 39 FLOOR GRATING, SSD
- 40 DRAIN GRATING, SSD
- 43 PAINT STRIPE, TYP
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00
- 59 CONTROL JOINT, SSD



FACILITY AREA PLAN
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SOUTHEAST WATER POLLUTION CONTROL PLANT
BIO SOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT PLAN AREA D

1 PLAN
 610-A-05-1002 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

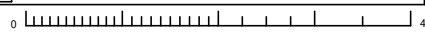
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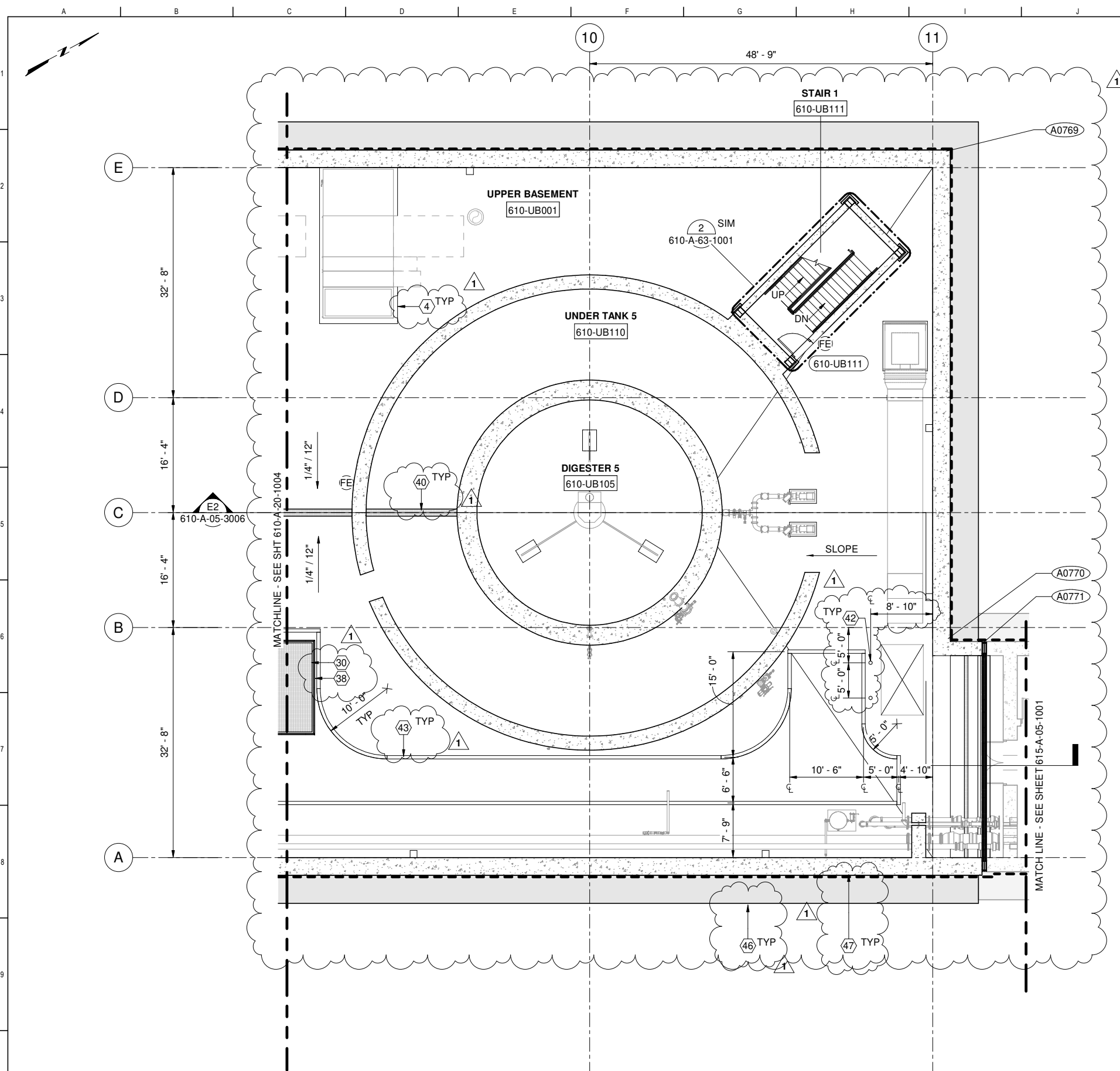
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 DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
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SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN
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MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
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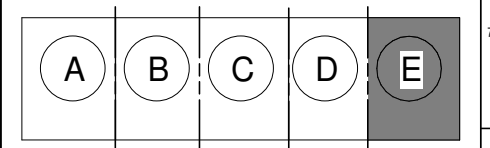


GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
5. SMD FOR MECHANICAL INFORMATION
6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 30 FLOOR HATCH, SSD
- 38 GUARDRAIL, SSD
- 40 DRAIN GRATING, SSD
- 42 BOLLARD, SSD
- 43 PAINT STRIPE, TYP
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00



FACILITY AREA PLAN
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 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT PLAN AREA E

PLAN
 610-A-05-1002 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

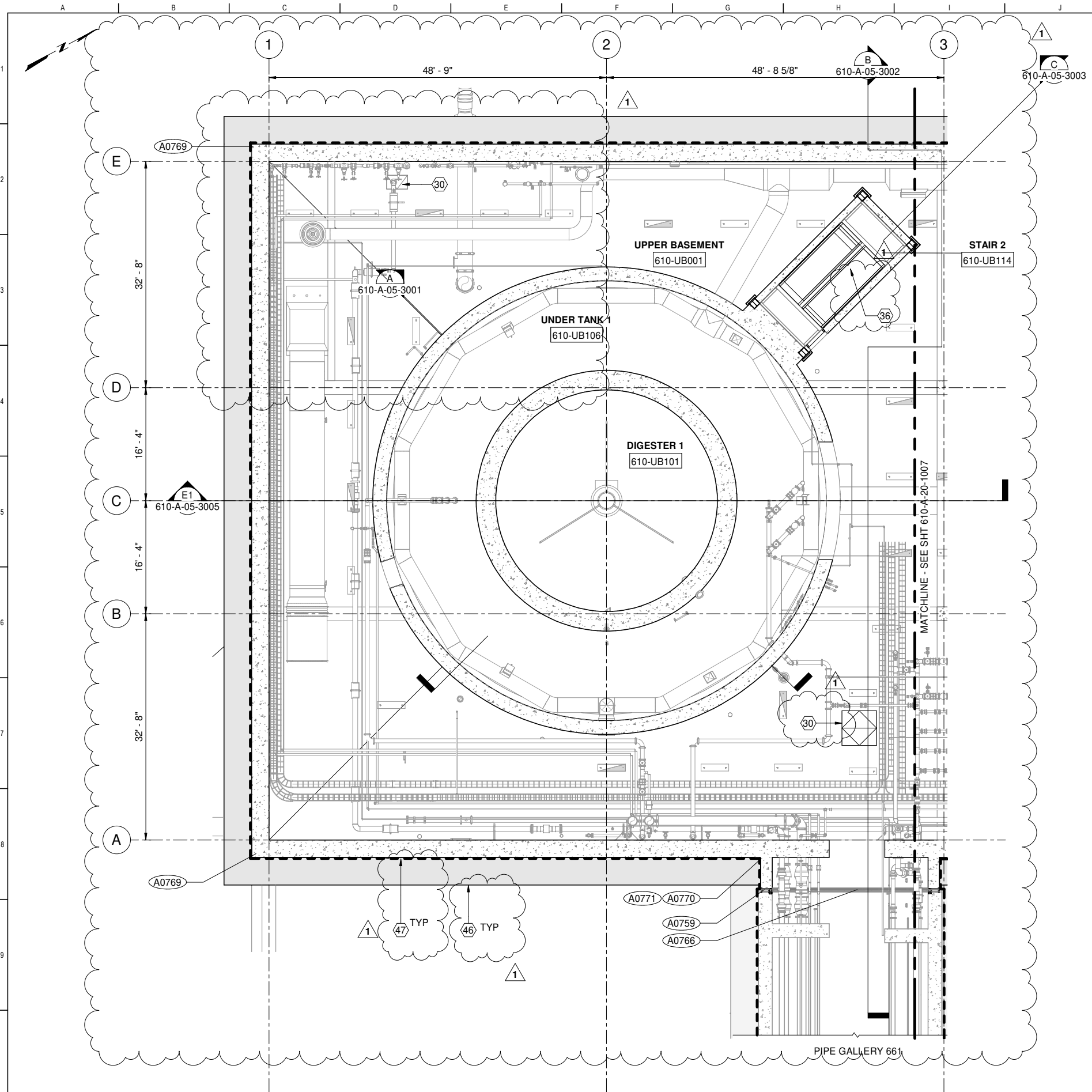
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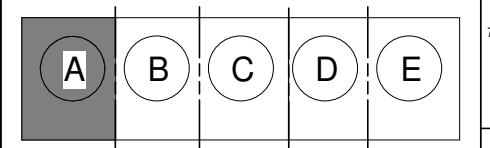


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH JJM
REVISIONS		BY	APPRD

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
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 - SEE AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
 - SMD FOR MECHANICAL INFORMATION
 - SHVACD FOR HVAC INFORMATION
 - SPD FOR PLUMBING INFORMATION
 - SODC FOR ODOR CONTROL INFORMATION
- SFRM COVERAGE AREA
- ### SHEET KEY NOTES
- FLOOR HATCH, SSD
 - METAL STAIR, SSD
 - SHORING SYSTEM, SSD
 - WATERPROOFING, SEE SPEC SECTION 07 13 00



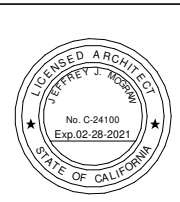
FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT REFLECTED CEILING PLAN
AREA A

1 PLAN
 610-A-05-1006 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

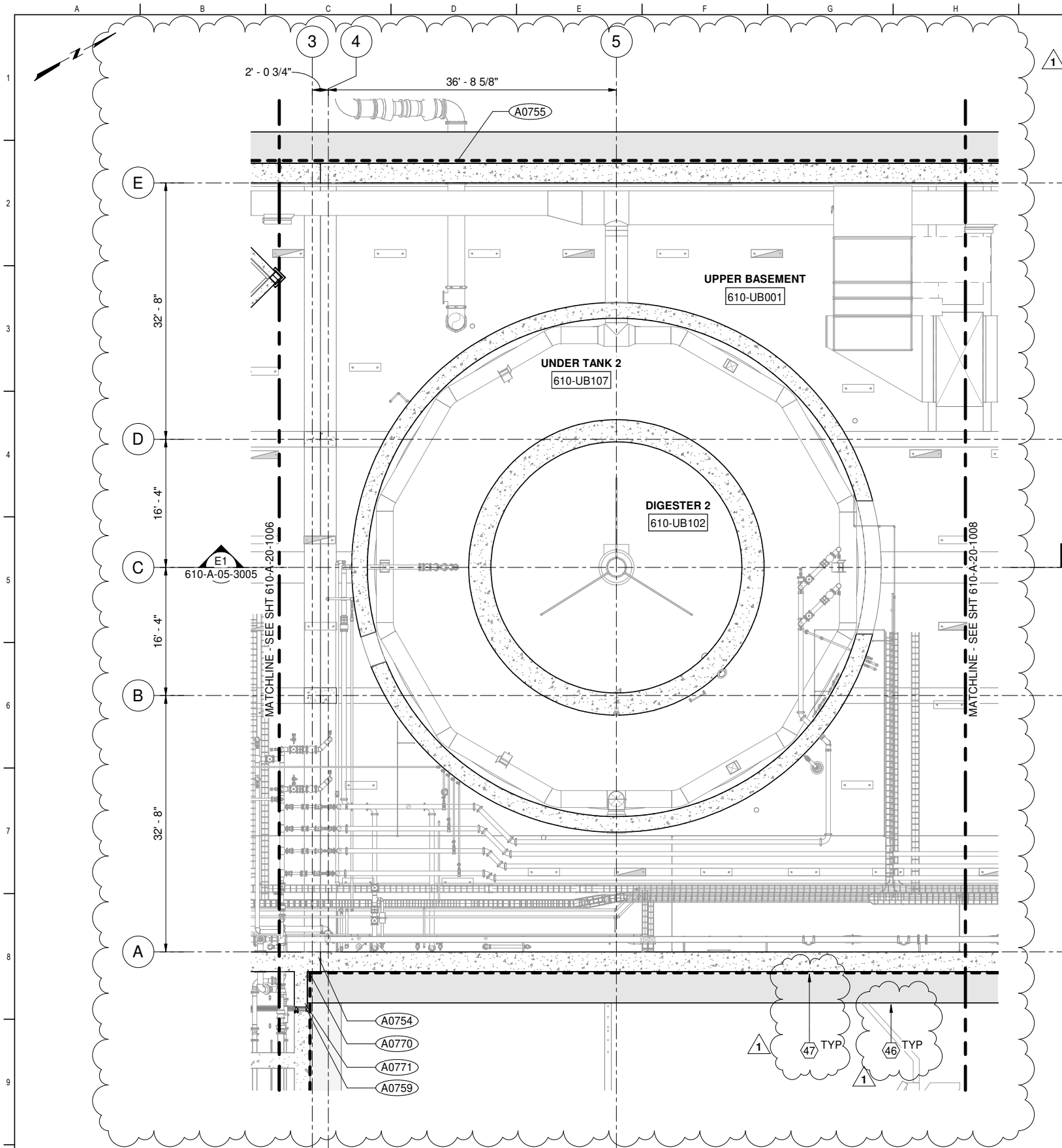
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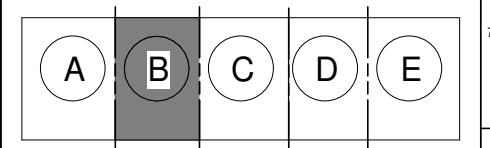
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT		
PROJECT MANAGER T. STIGERS	DESIGNED A. HARM		
APPROVED J. MCGRAW	CHECKED G. BOBLEY		
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH JJM
REVISIONS			

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	DATE
Dec 3, 2020	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-20-1006	1

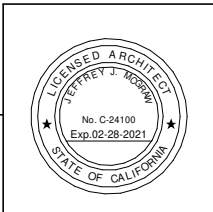


1 PLAN
610-A-05-1006 SCALE: 1/8" = 1'-0"

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 - SMD FOR MECHANICAL INFORMATION
 - SHVACD FOR HVAC INFORMATION
 - SPD FOR PLUMBING INFORMATION
 - SODC FOR ODOR CONTROL INFORMATION
- SFRM COVERAGE AREA
- ### SHEET KEY NOTES
- 46 SHORING SYSTEM, SSD
 - 47 WATERPROOFING, SEE SPEC SECTION 07 13 00



FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
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 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT REFLECTED CEILING PLAN
AREA B



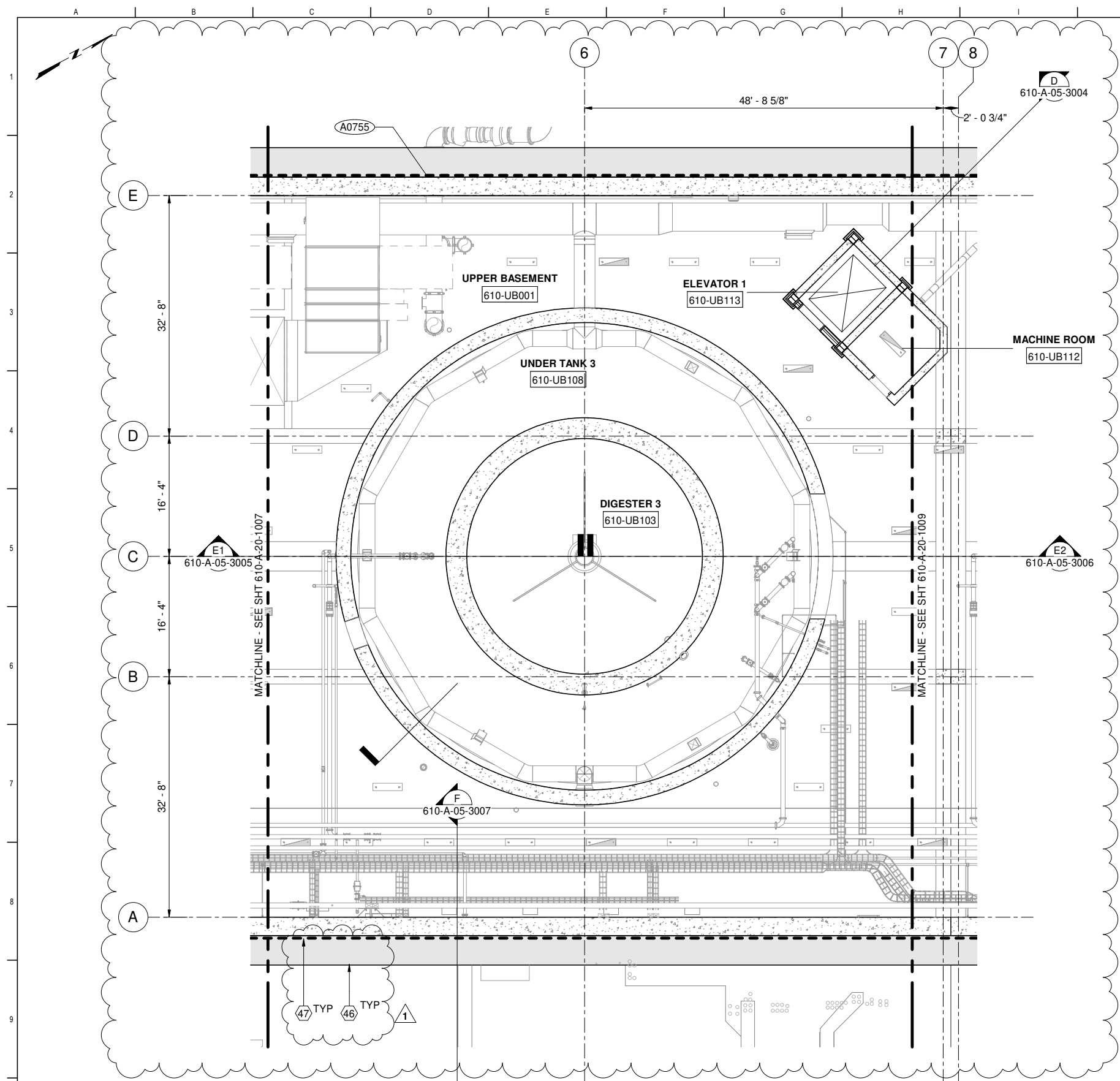
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
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1 PLAN
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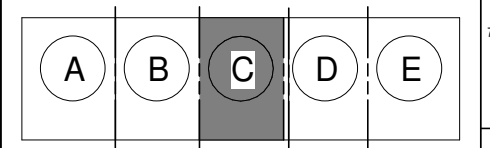
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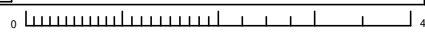
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
REVISIONS		DATE	BY

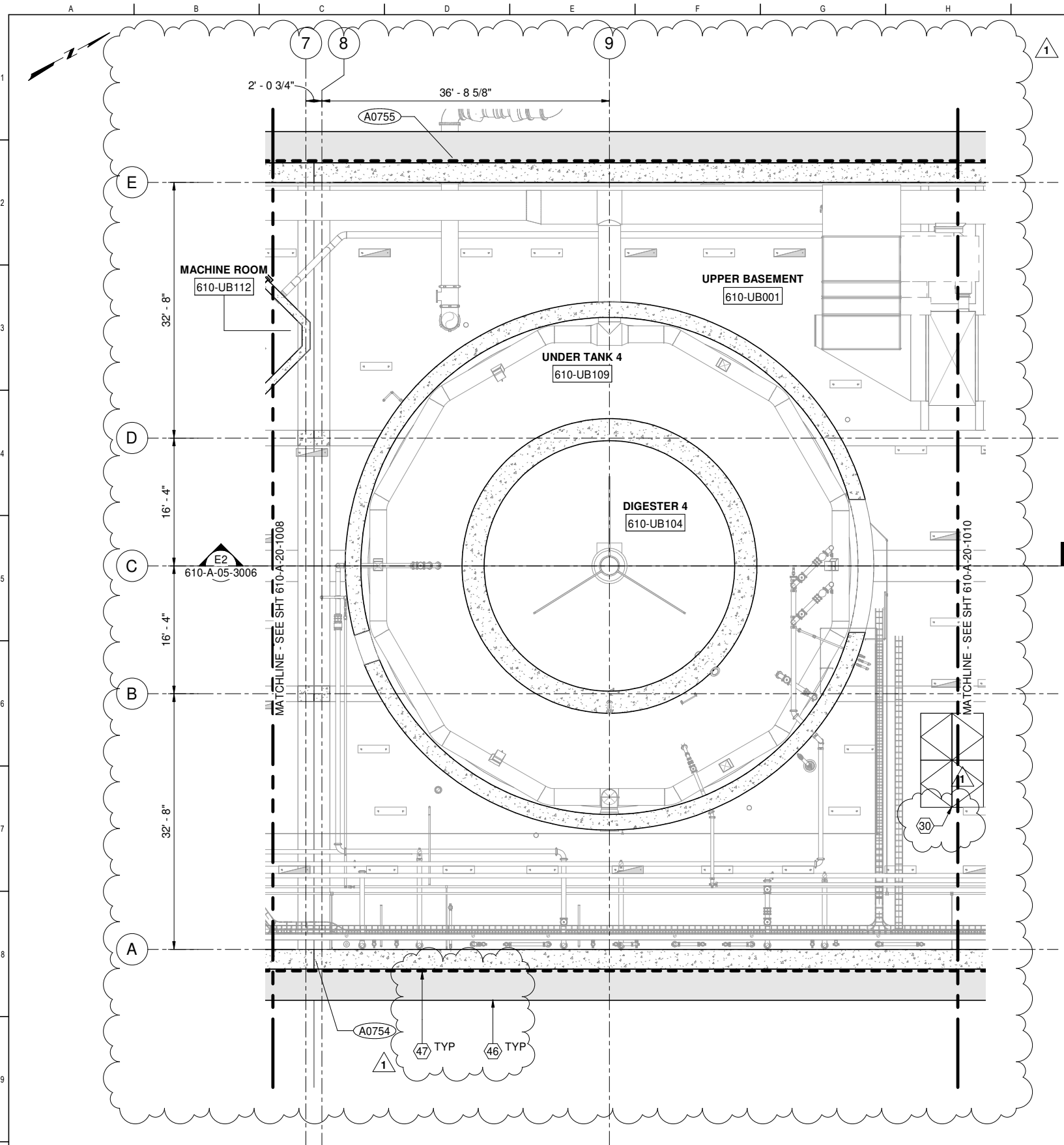
- ### GENERAL SHEET NOTES
- CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
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 - SHVACD FOR HVAC INFORMATION
 - SPD FOR PLUMBING INFORMATION
 - SODC FOR ODOR CONTROL INFORMATION
- SFRM COVERAGE AREA
- ### SHEET KEY NOTES
- SHORING SYSTEM, SSD
 - WATERPROOFING, SEE SPEC SECTION 07 13 00



FACILITY AREA PLAN
CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
**UPPER BASEMENT REFLECTED CEILING PLAN
AREA C**

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1 PLAN
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PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV#1	ALH
REVISIONS		BY	APPRD
		JJM	

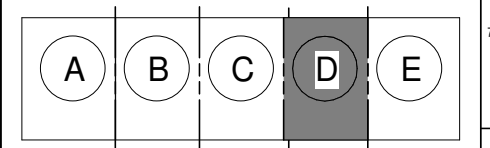
GENERAL SHEET NOTES

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2. SEE ARCHITECTURAL FINISH SCHEDULES FOR ADDITIONAL FINISH INFORMATION
3. SED AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
4. SMD FOR MECHANICAL INFORMATION
5. SHVACD FOR HVAC INFORMATION
6. SPD FOR PLUMBING INFORMATION
7. SODC FOR ODOR CONTROL INFORMATION



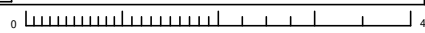
SHEET KEY NOTES

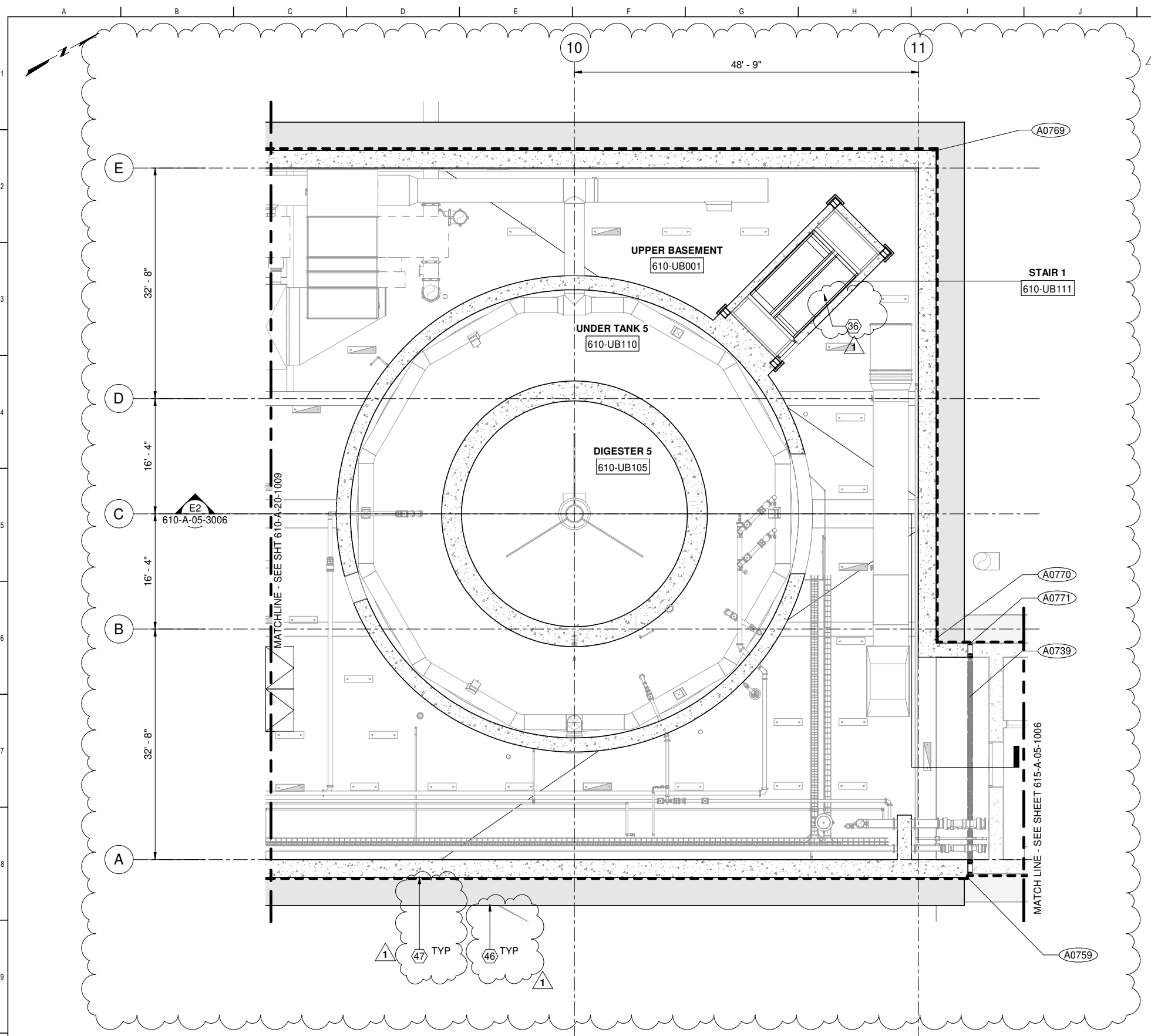
- 30 FLOOR HATCH, SSD
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00



FACILITY AREA PLAN
CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
UPPER BASEMENT REFLECTED CEILING PLAN
AREA D

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WWE O&M MANAGER	SCALE AS SHOWN
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APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-20-1009	1





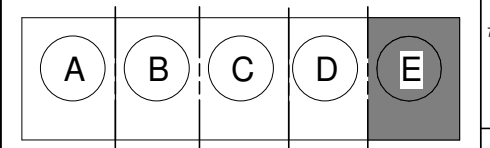
GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE ARCHITECTURAL FINISH SCHEDULES FOR ADDITIONAL FINISH INFORMATION
3. SED AND SYMBOLS FOR LIGHTING FIXTURES AND LOCATIONS
4. SMD FOR MECHANICAL INFORMATION
5. SHVACD FOR HVAC INFORMATION
6. SPD FOR PLUMBING INFORMATION
7. SODC FOR ODOR CONTROL INFORMATION



SHEET KEY NOTES

- 36 METAL STAIR, SSD
- 46 SHORING SYSTEM, SSD
- 47 WATERPROOFING, SEE SPEC SECTION 07 13 00



FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
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 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
UPPER BASEMENT REFLECTED CEILING PLAN
AREA E

1 PLAN
 610-A-05-1006 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

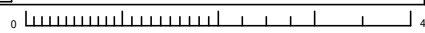
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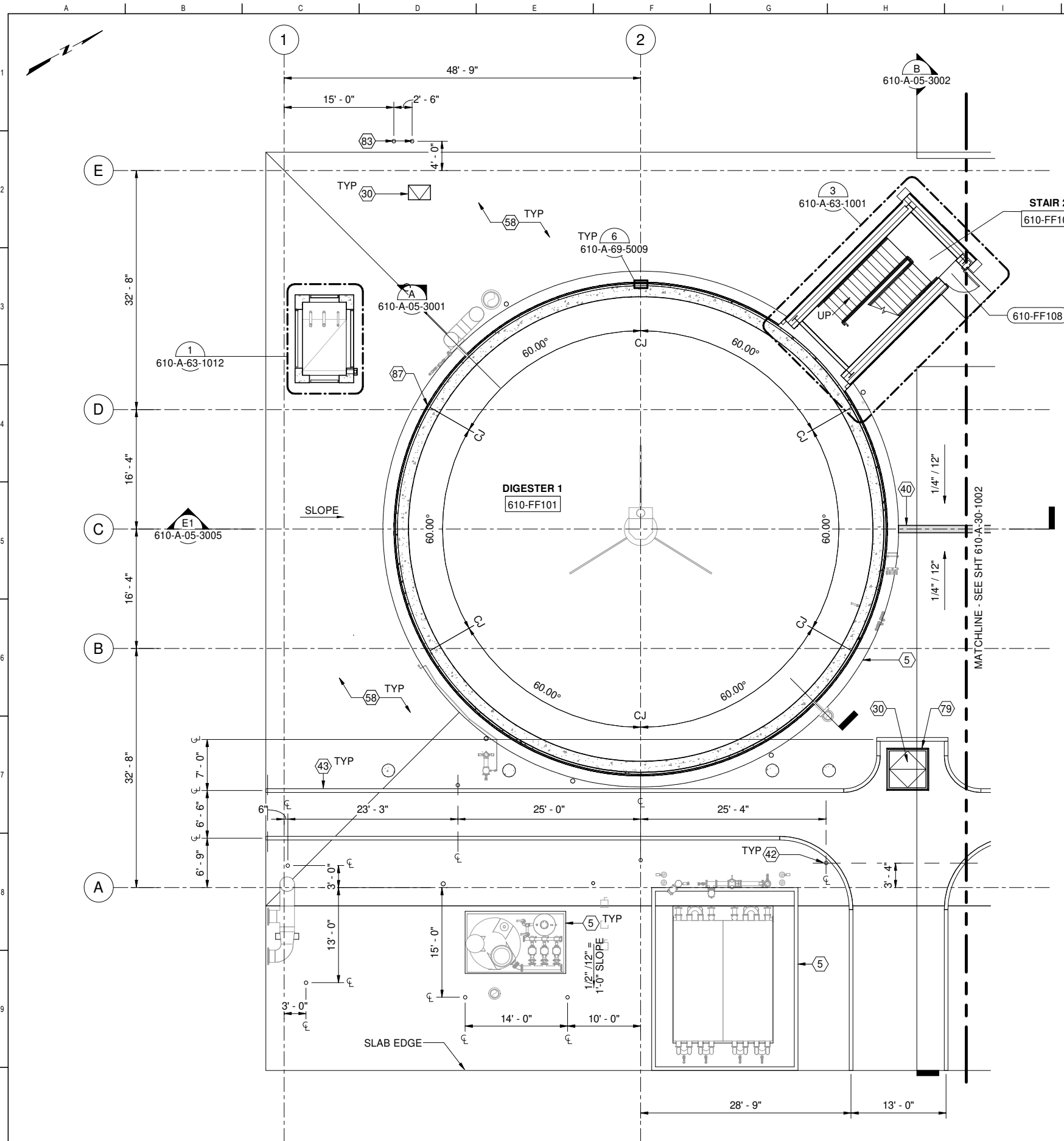
ELEVATION DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT		
PROJECT MANAGER T. STIGERS	DESIGNED A. HARM		
APPROVED J. MCGRAW	CHECKED G. BOBLEY		
NO.	DATE	DESCRIPTION	BY
1	12/03/20	REV #1	ALH JJM
REVISIONS			

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	DATE
Dec 3, 2020	Dec 3, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-20-1010	1



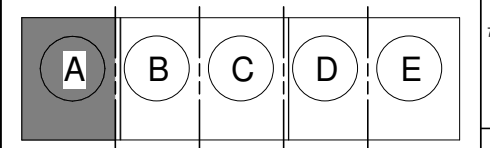


GENERAL SHEET NOTES

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2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
5. SMD FOR MECHANICAL INFORMATION
6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SHEET KEY NOTES

- 5 CONCRETE CURB, SSD
- 30 FLOOR HATCH, SSD
- 40 DRAIN GRATING, SSD
- 42 BOLLARD, SSD
- 43 PAINT STRIPE, TYP
- 58 FLOOR FINISH TO BE PER SPEC 09 90 00 SYSTEM 21
- 79 GUARDRAILS PER STANDARD DETAIL S5517
- 83 GUARD POST, SEE C3002
- 87 3/4" VERTICAL CONTROL JOINT IN EIFS, LOCATE @ EACH CONSTRUCTION JOINT OF TANK TYP



FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
FIRST FLOOR PLAN AREA A

1 PLAN
 610-A-05-1003 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

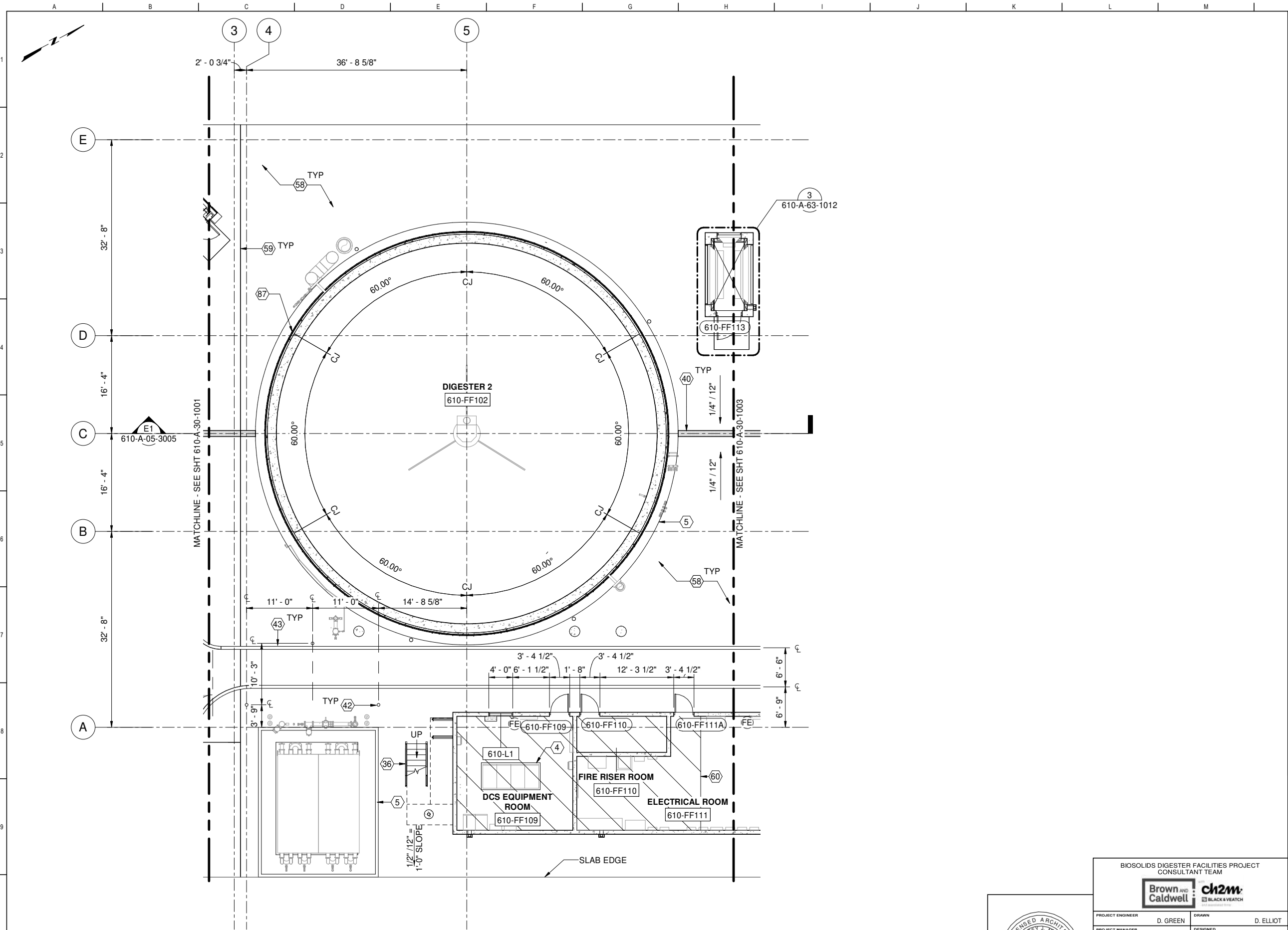
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.		DATE	
DESCRIPTION		BY	
REVISIONS		APPROVED	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-30-1001	REVISION



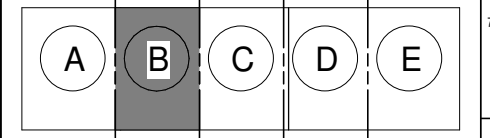
GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
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6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SFRM COVERAGE AREA

SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 5 CONCRETE CURB, SSD
- 36 METAL STAIR, SSD
- 40 DRAIN GRATING, SSD
- 42 BOLLARD, SSD
- 43 PAINT STRIPE, TYP
- 58 FLOOR FINISH TO BE PER SPEC 09 90 00 SYSTEM 21
- 59 CONTROL JOINT, SSD
- 60 SFRM COVERAGE AREA. SEE SHEET 000-A-75-6002
- 87 3/4" VERTICAL CONTROL JOINT IN EIFS, LOCATE @ EACH CONSTRUCTION JOINT OF TANK TYP



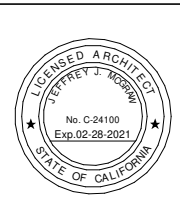
FACILITY AREA PLAN
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 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
FIRST FLOOR PLAN AREA B

1 PLAN
 610-A-05-1003 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

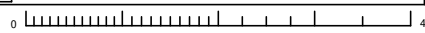
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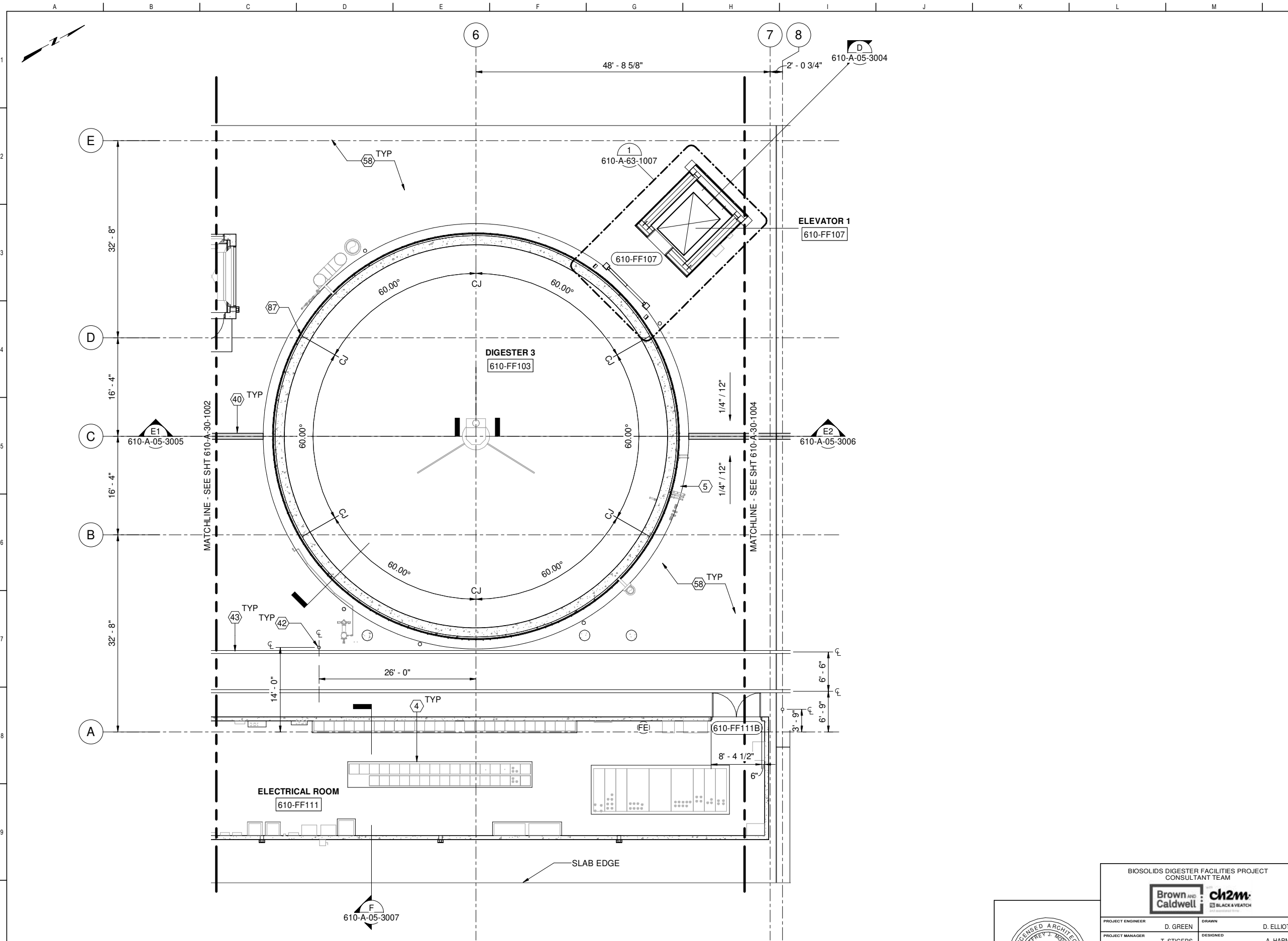
ELEVATION DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-30-1002	REVISION



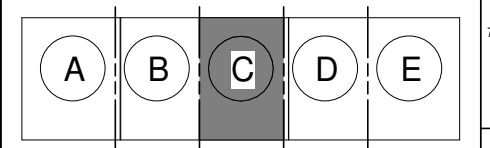


GENERAL SHEET NOTES

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3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
5. SMD FOR MECHANICAL INFORMATION
6. SHVACD FOR HVAC INFORMATION
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SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 5 CONCRETE CURB, SSD
- 40 DRAIN GRATING, SSD
- 42 BOLLARD, SSD
- 43 PAINT STRIPE, TYP
- 58 FLOOR FINISH TO BE PER SPEC 09 90 00 SYSTEM 21
- 87 3/4" VERTICAL CONTROL JOINT IN EIFS, LOCATE @ EACH CONSTRUCTION JOINT OF TANK TYP



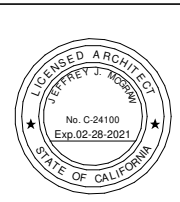
FACILITY AREA PLAN
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 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
FIRST FLOOR PLAN AREA C

1 PLAN
 610-A-05-1003 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

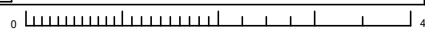
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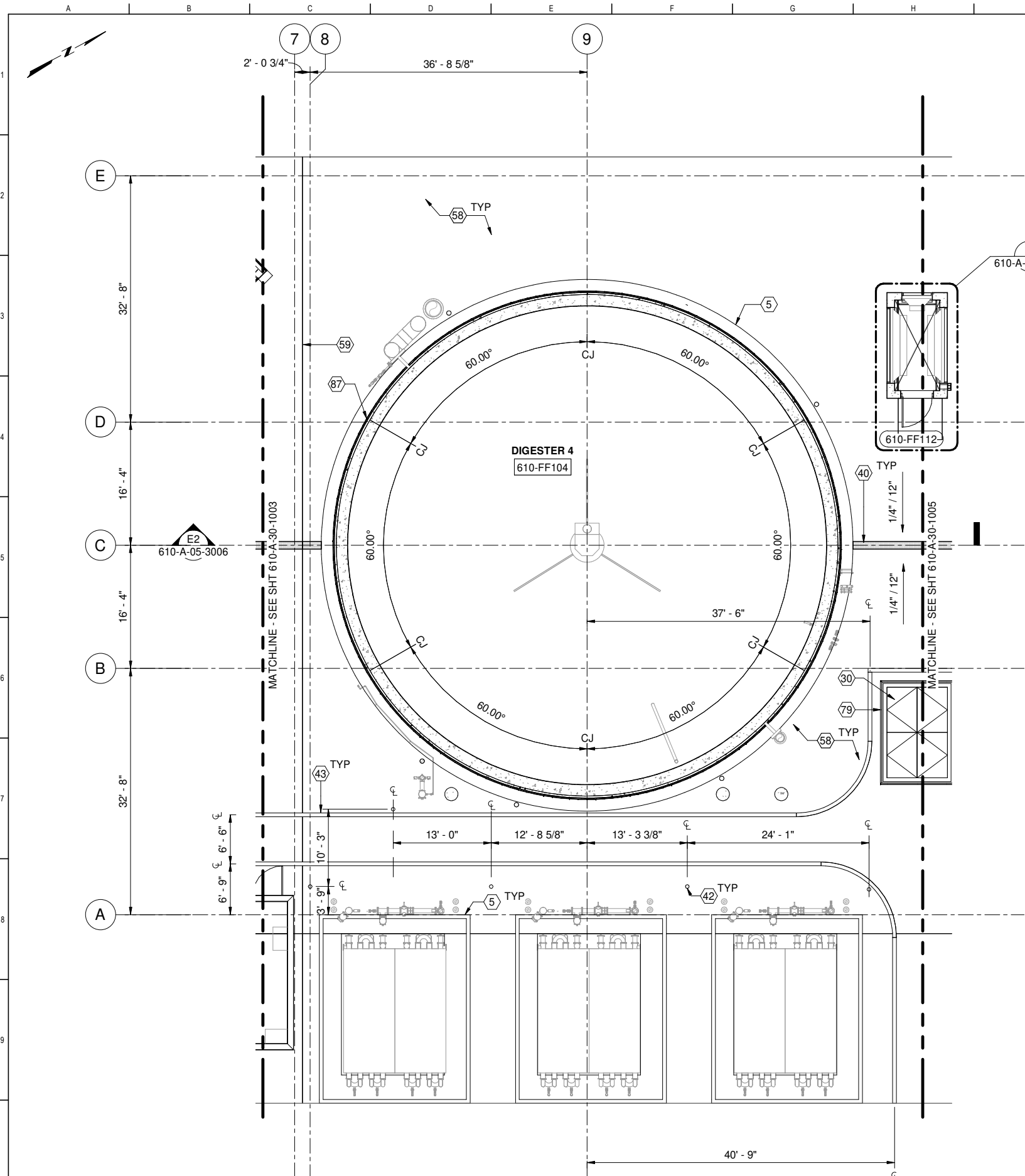
ELEVATION
 DATUM
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT	DESIGNED A. HARM	CHECKED G. ROBLEY
PROJECT MANAGER T. STIGERS	APPROVED J. MCGRAW	DATE Oct 30, 2020	REVISIONS
NO. DATE DESCRIPTION BY APPD		REVISIONS	

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SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 610-A-30-1003	DRAWING / FILE NO.
REVISION	



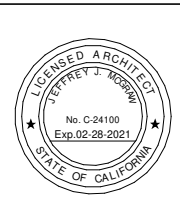


1 PLAN
610-A-05-1003 SCALE: 1/8" = 1'-0"

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DATUM
CITY



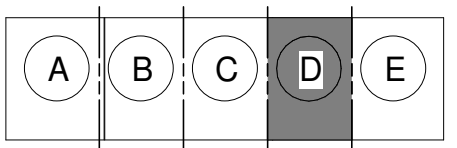
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS		BY	APPRD.

GENERAL SHEET NOTES

- CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
- SEE SHEETS 000-G-01-7014 THROUGH 7015 FOR GENERAL ARCHITECTURAL NOTES
- SSD FOR STRUCTURAL INFORMATION
- SED FOR ELECTRICAL INFORMATION
- SMD FOR MECHANICAL INFORMATION
- SHVACD FOR HVAC INFORMATION
- SPD FOR PLUMBING INFORMATION
- SODC FOR ODOR INFORMATION
- DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
- MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

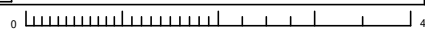
SHEET KEY NOTES

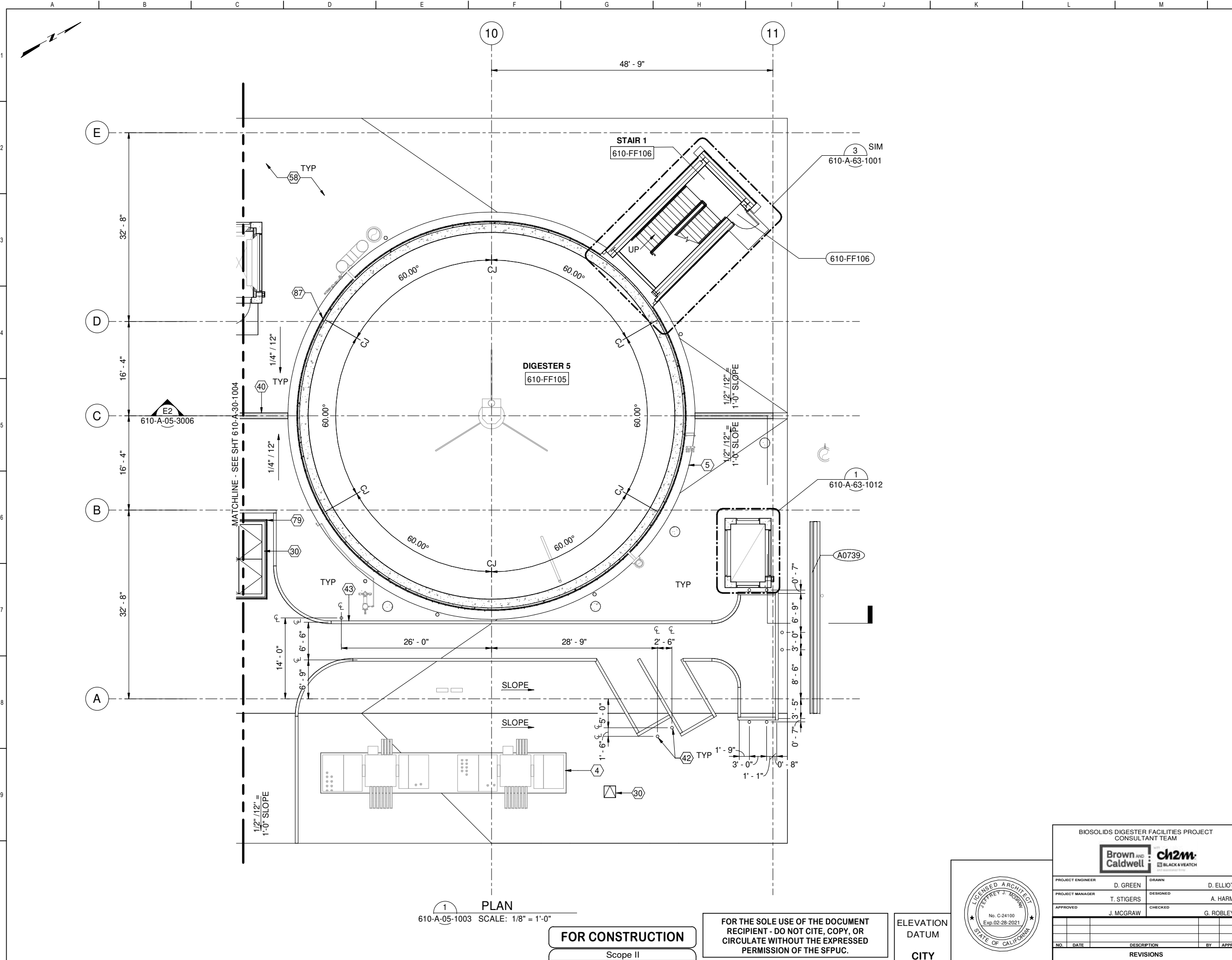
- CONCRETE CURB, SSD
- FLOOR HATCH, SSD
- DRAIN GRATING, SSD
- BOLLARD, SSD
- PAINT STRIPE, TYP
- FLOOR FINISH TO BE PER SPEC 09 90 00 SYSTEM 21
- CONTROL JOINT, SSD
- GUARDRAILS PER STANDARD DETAIL S5517
- 3/4" VERTICAL CONTROL JOINT IN EIFS, LOCATE @ EACH CONSTRUCTION JOINT OF TANK TYP



FACILITY AREA PLAN
CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
FIRST FLOOR PLAN AREA D

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-30-1004	REVISION



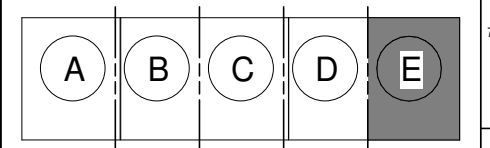


GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
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3. SSD FOR STRUCTURAL INFORMATION
4. SED FOR ELECTRICAL INFORMATION
5. SMD FOR MECHANICAL INFORMATION
6. SHVACD FOR HVAC INFORMATION
7. SPD FOR PLUMBING INFORMATION
8. SODC FOR ODOR INFORMATION
9. DIMENSIONS OF OPENING IN CONCRETE ARE ROUGH OPENINGS, UON
10. MTL STUD WALLS ARE DIMENSIONED TO CENTERLINE, UON

SHEET KEY NOTES

- 4 CONCRETE PAD, SSD
- 5 CONCRETE CURB, SSD
- 30 FLOOR HATCH, SSD
- 40 DRAIN GRATING, SSD
- 42 BOLLARD, SSD
- 43 PAINT STRIPE, TYP
- 58 FLOOR FINISH TO BE PER SPEC 09 90 00 SYSTEM 21
- 79 GUARDRAILS PER STANDARD DETAIL S5517
- 87 3/4" VERTICAL CONTROL JOINT IN EIFS, LOCATE @ EACH CONSTRUCTION JOINT OF TANK TYP



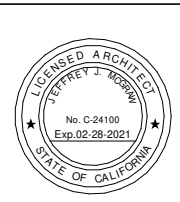
FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
FIRST FLOOR PLAN AREA E

1 PLAN
 610-A-05-1003 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

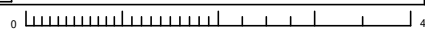
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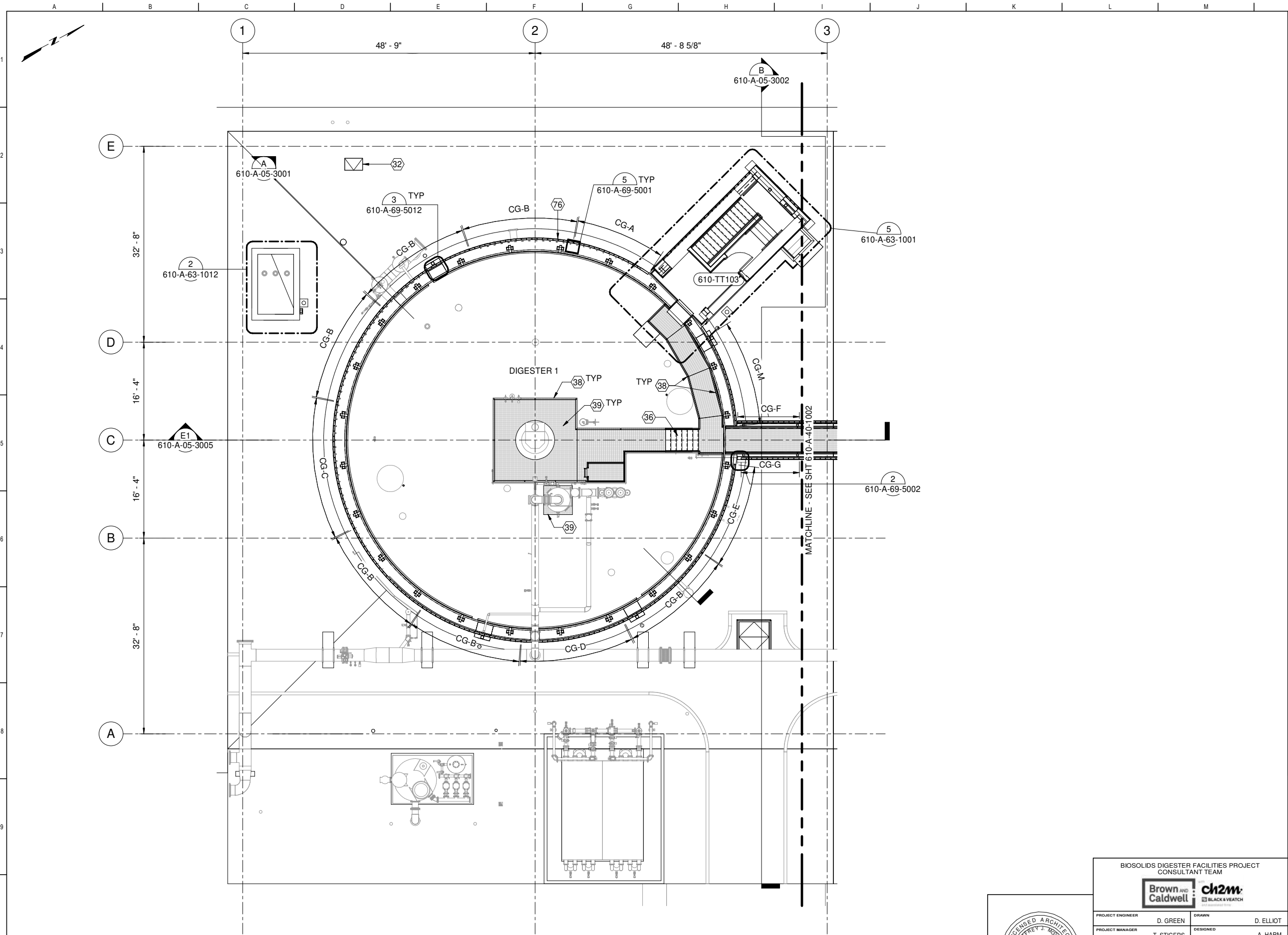
ELEVATION DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD.

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-30-1005	REVISION



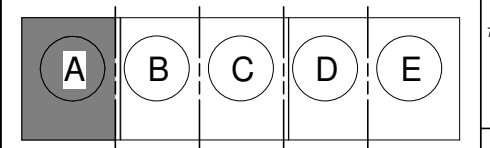


GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. LIQUID FLASHING AT HSS TUBE PENETRATIONS
3. LIQUID FLASHING, UNO SMD FOR MECHANICAL EQUIPMENT
4. SHVACD FOR HAVAC EQUIPMENT
5. SPD FOR PLUMBING EQUIPMENT
6. SODC FOR ODOR CONTROL EQUIPMENT

SHEET KEY NOTES

- 32 ROOF HATCH
- 36 METAL STAIR, SSD
- 38 GUARDRAIL, SSD
- 39 FLOOR GRATING, SSD
- 76 RAINSCREEN CHANNEL GLASS SYSTEM



FACILITY AREA PLAN
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 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
ROOF PLAN AREA A

1 PLAN
 610-A-05-1004 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

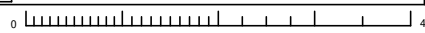
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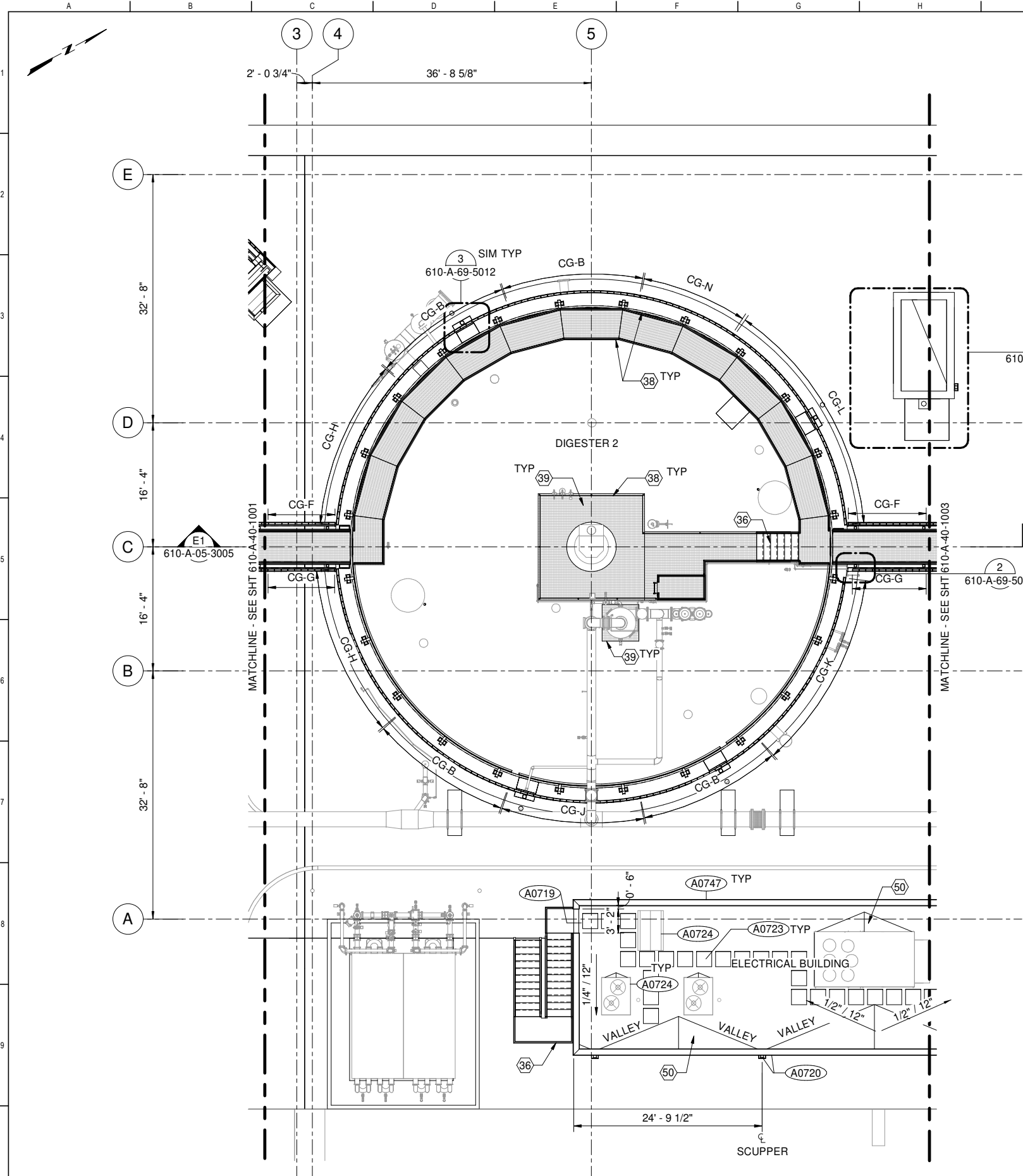
ELEVATION DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS			

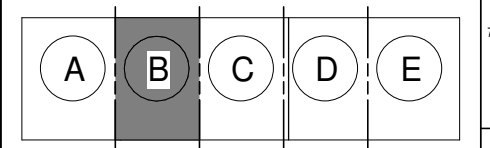
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SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	Oct 30, 2020
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION
610-A-40-1001		





- ### GENERAL SHEET NOTES
- CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
 - LIQUID FLASHING AT HSS TUBE PENETRATIONS
 - LIQUID FLASHING, UNO SMD FOR MECHANICAL EQUIPMENT
 - SHVACD FOR HAVAC EQUIPMENT
 - SPD FOR PLUMBING EQUIPMENT
 - SODC FOR ODOR CONTROL EQUIPMENT

- ### SHEET KEY NOTES
- 36 METAL STAIR, SSD
 - 38 GUARDRAIL, SSD
 - 39 FLOOR GRATING, SSD
 - 50 CRICKET WITH 1/2:12 SLOPE, TYP



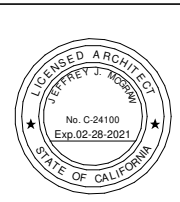
FACILITY AREA PLAN
CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
ROOF PLAN AREA B

1 PLAN
 610-A-05-1004 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

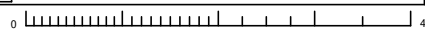
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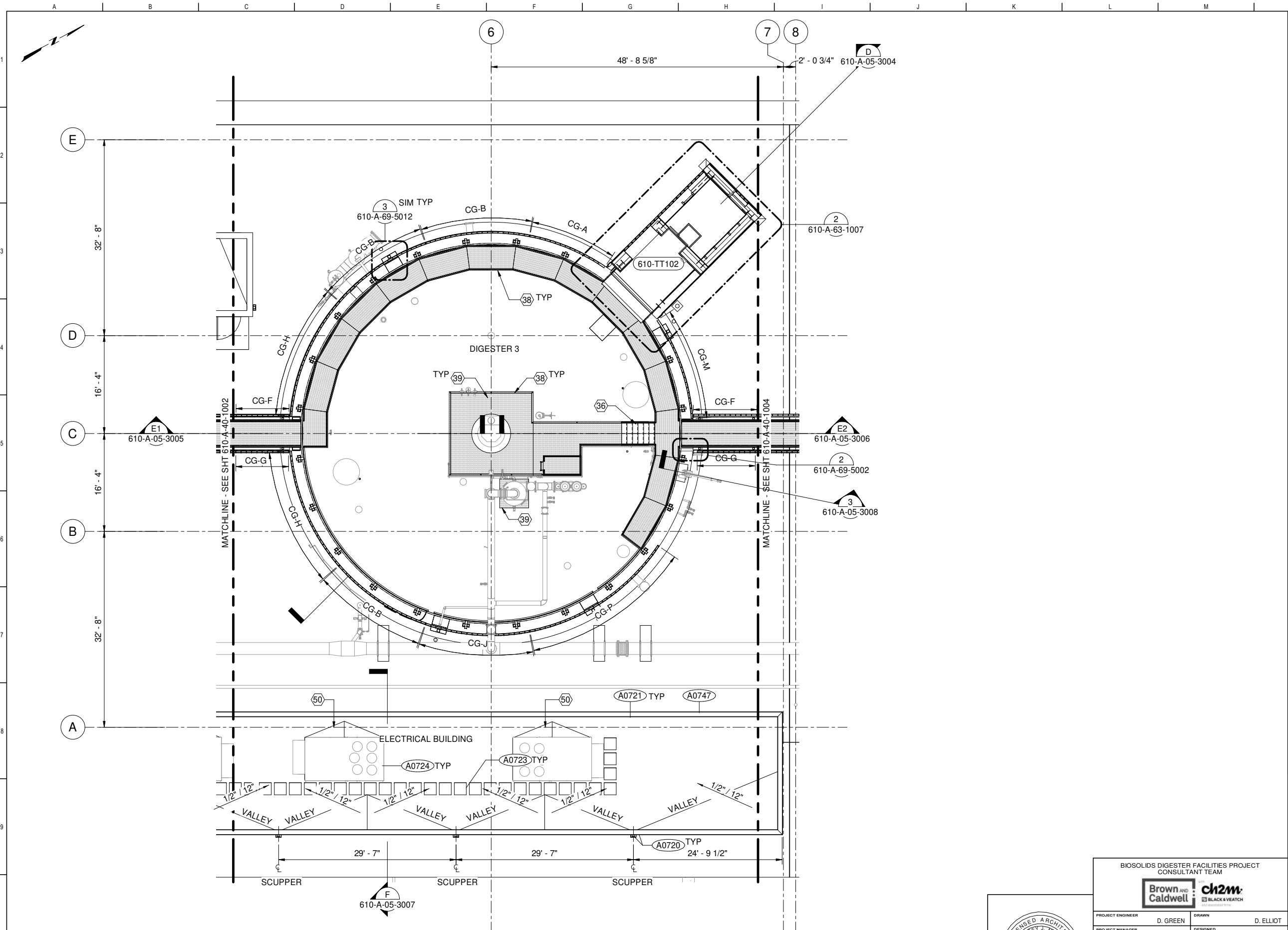
ELEVATION
 DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

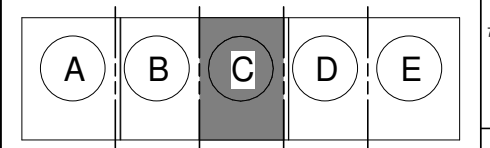
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE Oct 30, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 610-A-40-1002	DRAWING / FILE NO.
	REVISION





- ### GENERAL SHEET NOTES
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 - LIQUID FLASHING AT HSS TUBE PENETRATIONS
 - LIQUID FLASHING, UNO SMD FOR MECHANICAL EQUIPMENT
 - SHVACD FOR HAVAC EQUIPMENT
 - SPD FOR PLUMBING EQUIPMENT
 - SODC FOR ODOR CONTROL EQUIPMENT

- ### SHEET KEY NOTES
- 36 METAL STAIR, SSD
 - 38 GUARDRAIL, SSD
 - 39 FLOOR GRATING, SSD
 - 50 CRICKET WITH 1/2:12 SLOPE, TYP



FACILITY AREA PLAN
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 ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIO SOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
ROOF PLAN AREA C

1 PLAN
 610-A-05-1004 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

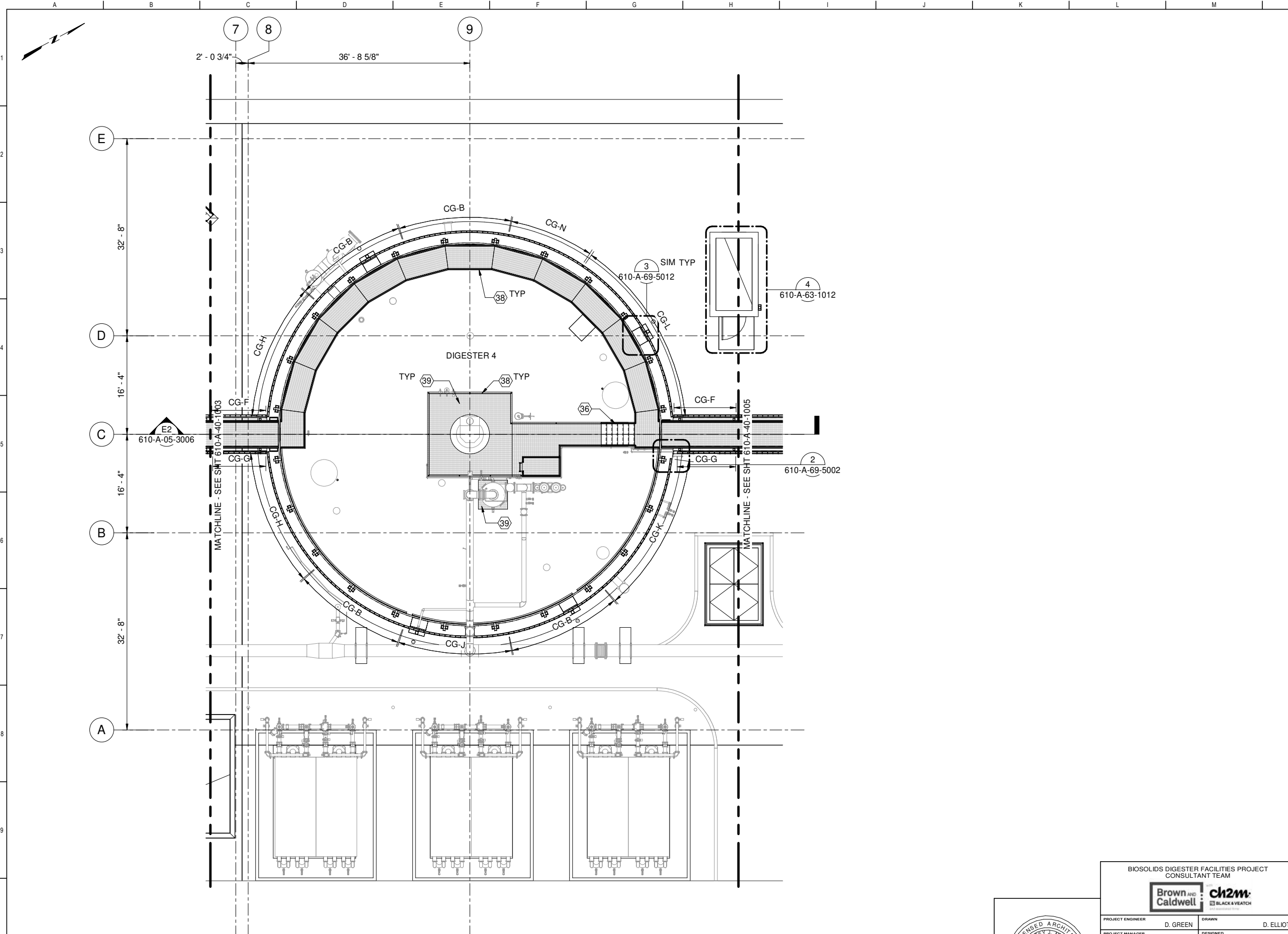
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ELEVATION
 DATUM
 CITY



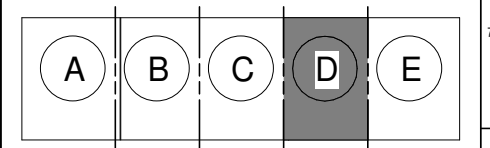
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD.

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE Oct 30, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 610-A-40-1003	DRAWING / FILE NO.
	REVISION



- ### GENERAL SHEET NOTES
1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
 2. LIQUID FLASHING AT HSS TUBE PENETRATIONS
 3. LIQUID FLASHING, UNO SMD FOR MECHANICAL EQUIPMENT
 4. SHVACD FOR HAVAC EQUIPMENT
 5. SPD FOR PLUMBING EQUIPMENT
 6. SODC FOR ODOR CONTROL EQUIPMENT

- ### SHEET KEY NOTES
- 36 METAL STAIR, SSD
 - 38 GUARDRAIL, SSD
 - 39 FLOOR GRATING, SSD



FACILITY AREA PLAN
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 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
ROOF PLAN AREA D

1 PLAN
 610-A-05-1004 SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
 Scope II

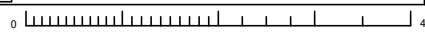
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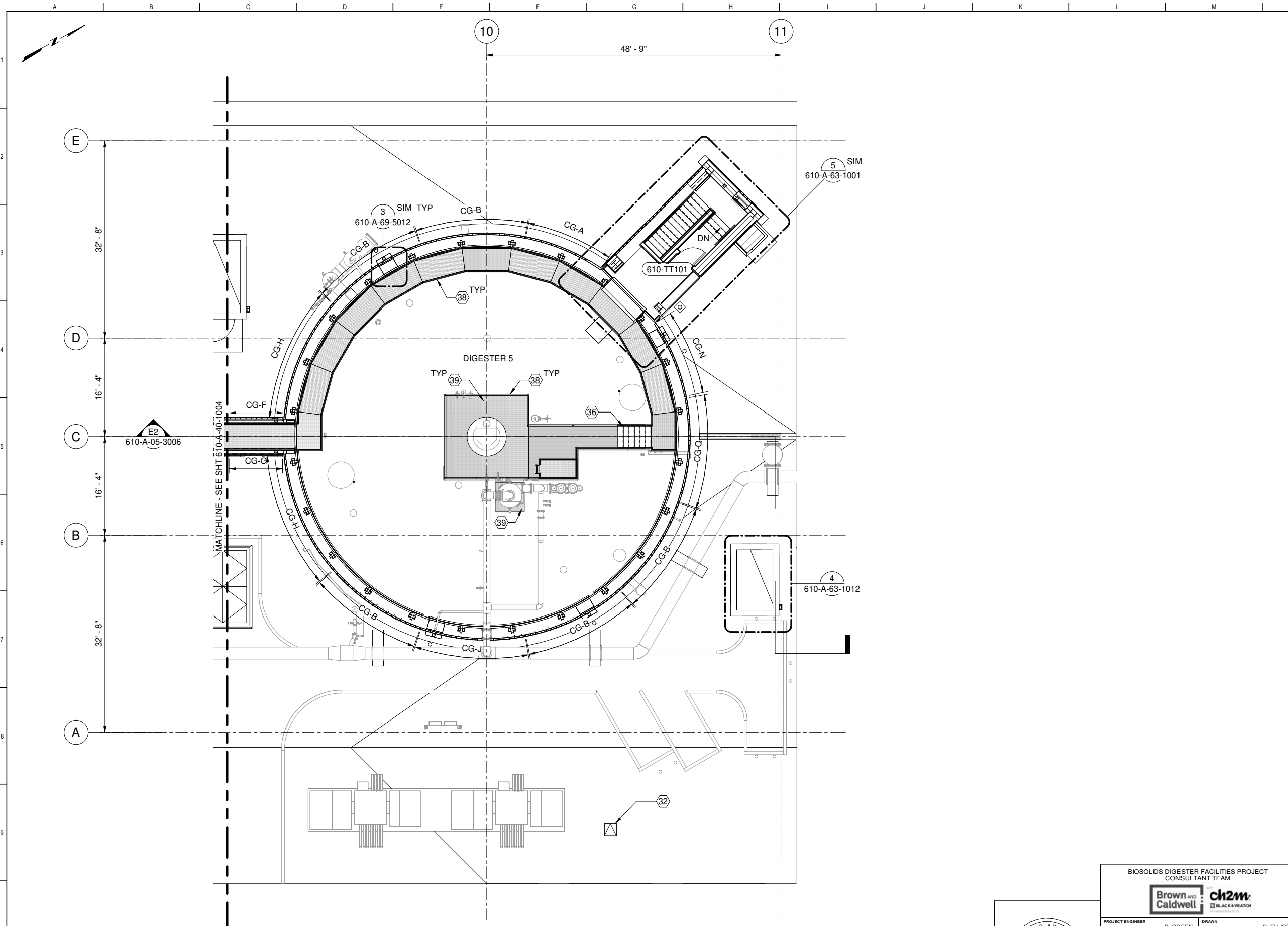
ELEVATION
 DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD.

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE Oct 30, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 610-A-40-1004	DRAWING / FILE NO.
	REVISION



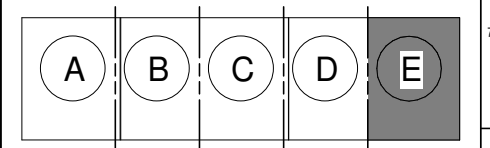


GENERAL SHEET NOTES

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6. SODC FOR ODOR CONTROL EQUIPMENT

SHEET KEY NOTES

- 32 ROOF HATCH
- 36 METAL STAIR, SSD
- 38 GUARDRAIL, SSD
- 39 FLOOR GRATING, SSD

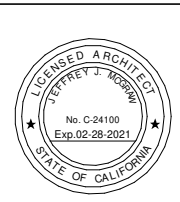


FACILITY AREA PLAN
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 INFRASTRUCTURE DIVISION
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 SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
ROOF PLAN AREA E

1 PLAN
 610-A-05-1004 SCALE: 1/8" = 1'-0"
FOR CONSTRUCTION
 Scope II

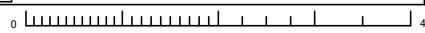
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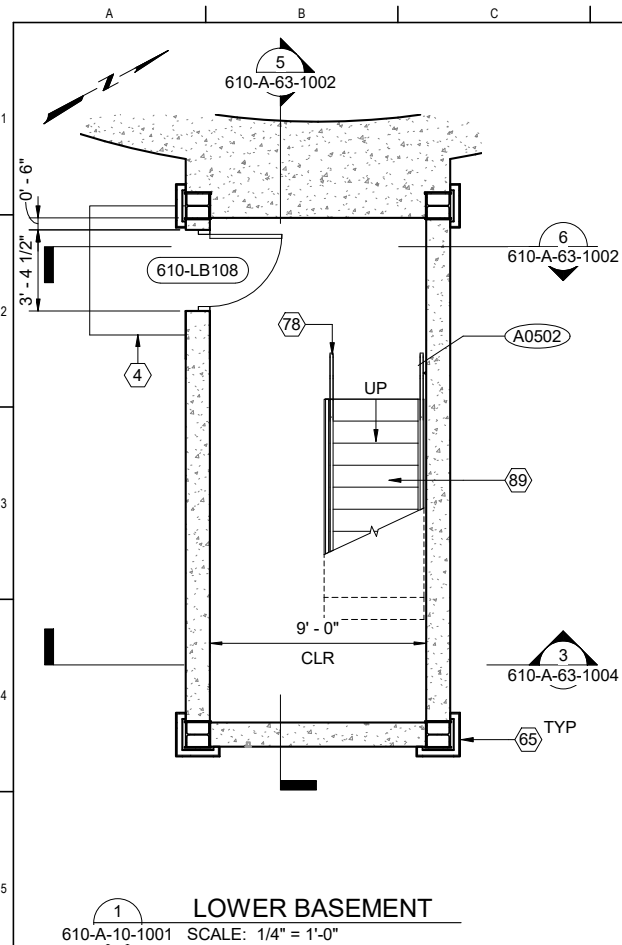
ELEVATION
 DATUM
 CITY



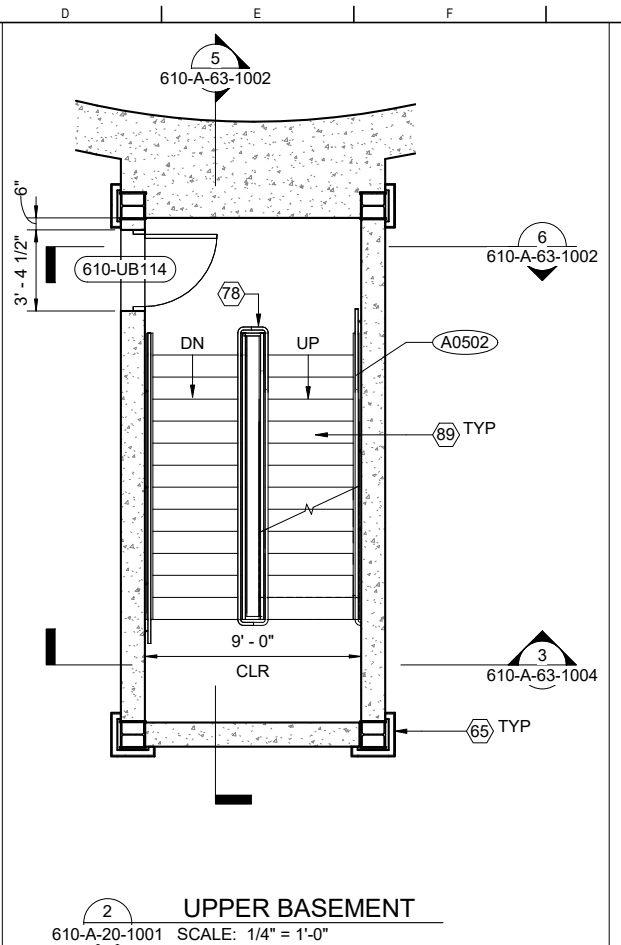
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS			

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-40-1005	REVISION

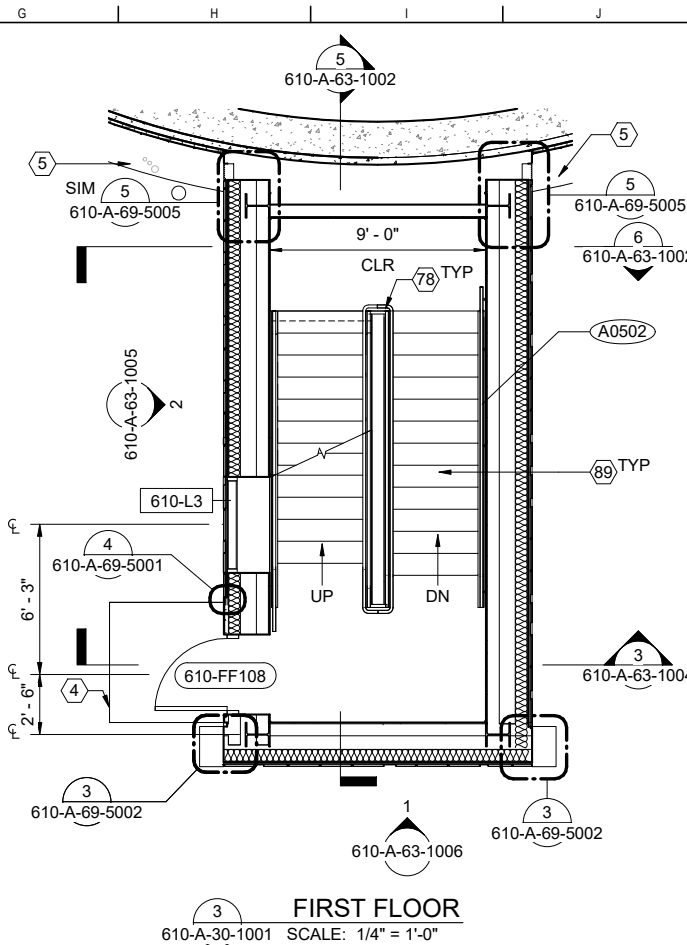




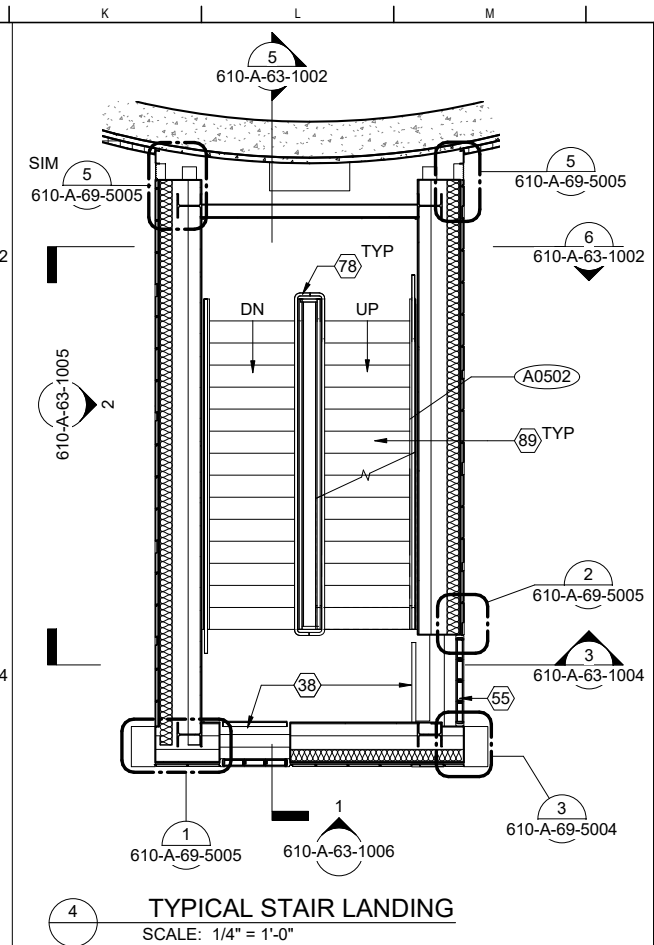
1 LOWER BASEMENT
610-A-10-1001 SCALE: 1/4" = 1'-0"



2 UPPER BASEMENT
610-A-20-1001 SCALE: 1/4" = 1'-0"



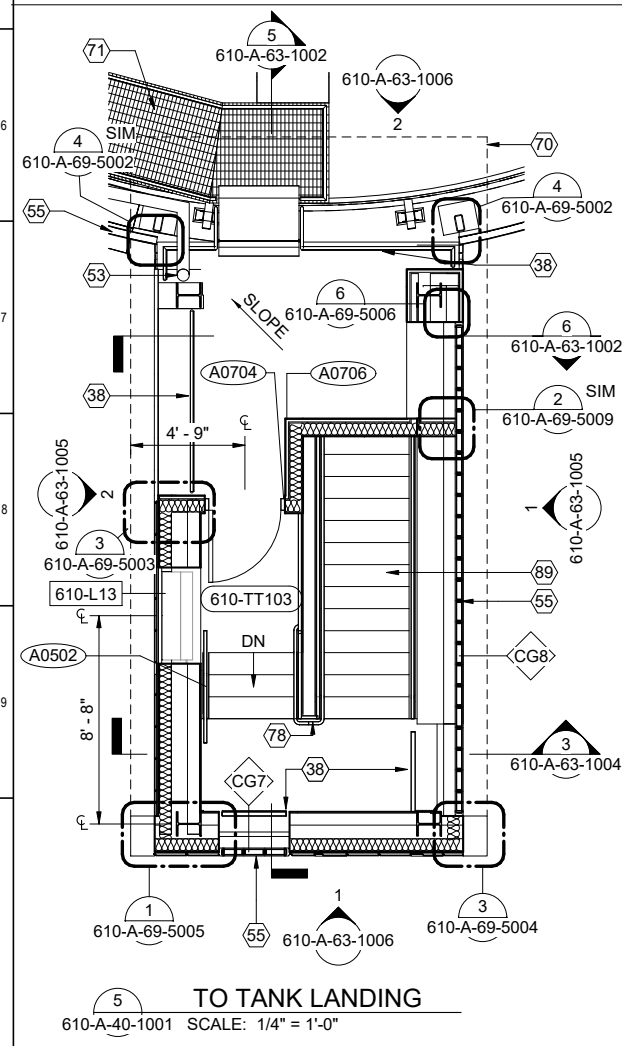
3 FIRST FLOOR
610-A-30-1001 SCALE: 1/4" = 1'-0"



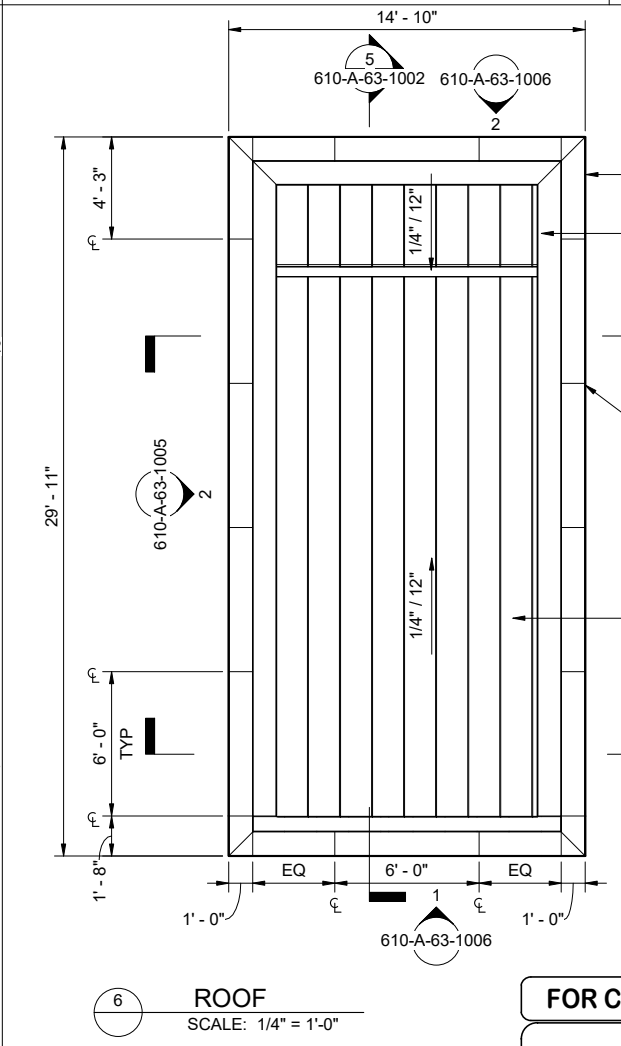
4 TYPICAL STAIR LANDING
SCALE: 1/4" = 1'-0"

- ### GENERAL SHEET NOTES
- DIMENSIONS OF OPENINGS IN CONCRETE ARE ROUGH OPENINGS. UNO
 - METAL STUD WALLS ARE DIMENSIONED TO CENTERLINE
 - SEE SHEET 000-A-75-6009, FOR EXTERIOR FINISH SCHEDULE FOR STAIR RISERS AND TREADS, SSD

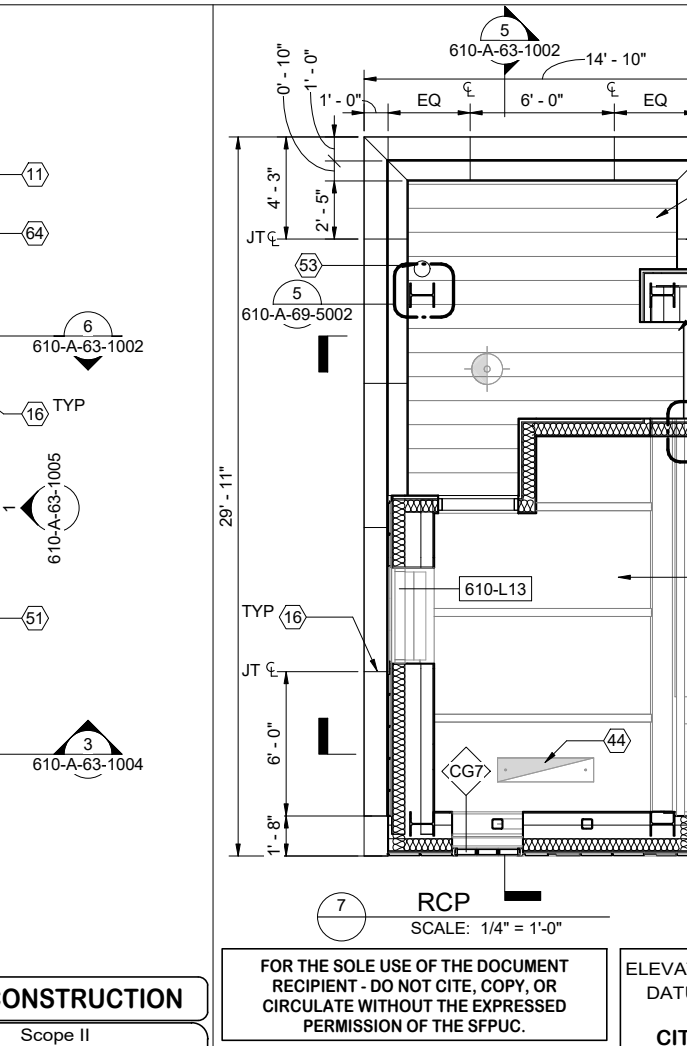
- ### SHEET KEY NOTES
- CONCRETE PAD, SSD
 - CONCRETE CURB, SSD
 - ZINC COMPOSITE PANEL FASCIA, ZN-1
 - ZINC COMPOSITE PANEL FASCIA, ZN-2
 - ZINC SOFFIT PANEL, ZN-2
 - ZINC COMPOSITE FASCIA JOINT
 - GUARDRAIL, SSD
 - LIGHT FIXTURE TYP, SED
 - STANDING SEAM ROOFING, AL-4
 - PREFINISHED METAL DOWNSPOUT
 - CHANNEL GLASS CURTAIN WALL, SEE CURTAIN WALL TYPES
 - PREFINISHED ALUM FLASHING
 - 2 HR FIRE RATED COLUMN WRAP, UL X520
 - CANOPY ABOVE
 - CATWALK, SSD
 - ALUMINUM RAILING, SSD
 - METAL PAN CONCRETE FILLED STAIRS, SSD
 - EXPOSED STRUCTURAL FRAMING AND DECK, STL-3



5 TO TANK LANDING
610-A-40-1001 SCALE: 1/4" = 1'-0"



6 ROOF
SCALE: 1/4" = 1'-0"



7 RCP
SCALE: 1/4" = 1'-0"

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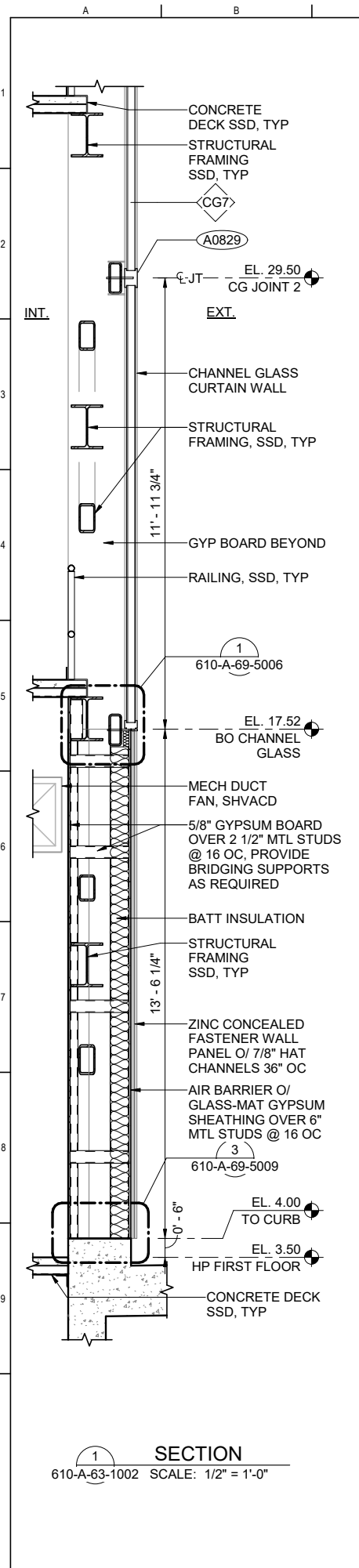
ELEVATION DATUM
CITY



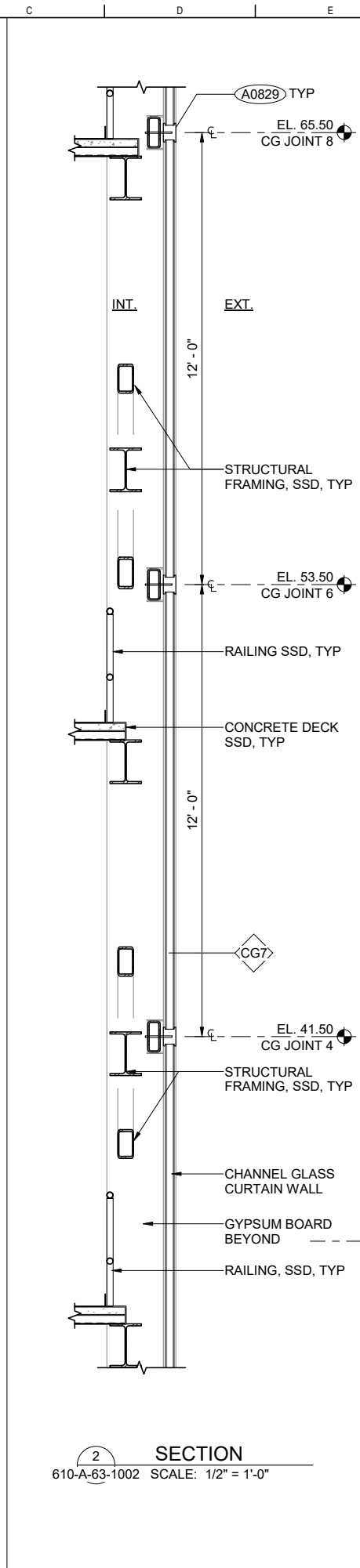
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
BLACK & VEATCH		AN ASSOCIATED FIRM	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

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ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
STAIR 1 AND 2 PARTIAL PLANS

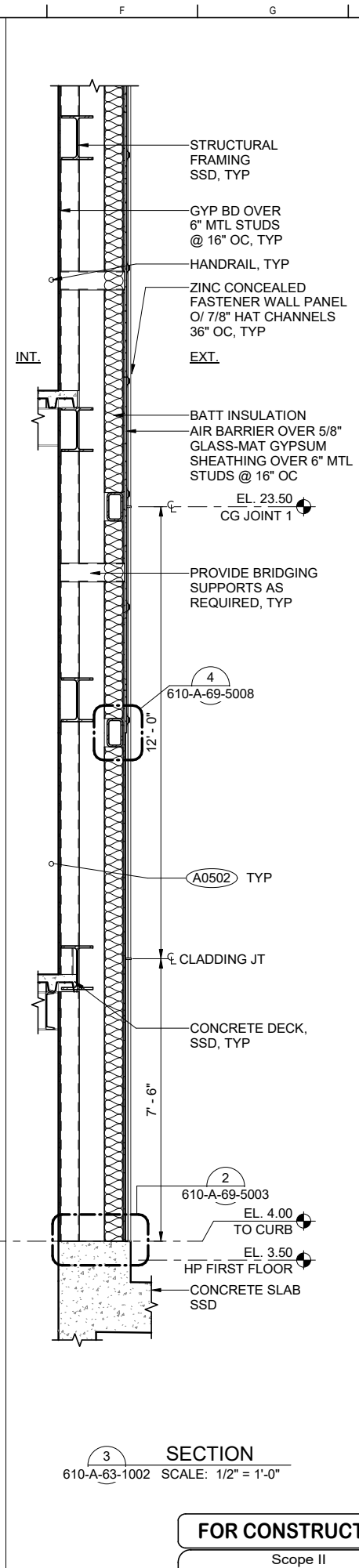
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN
DATE	DATE
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-63-1001	REVISION



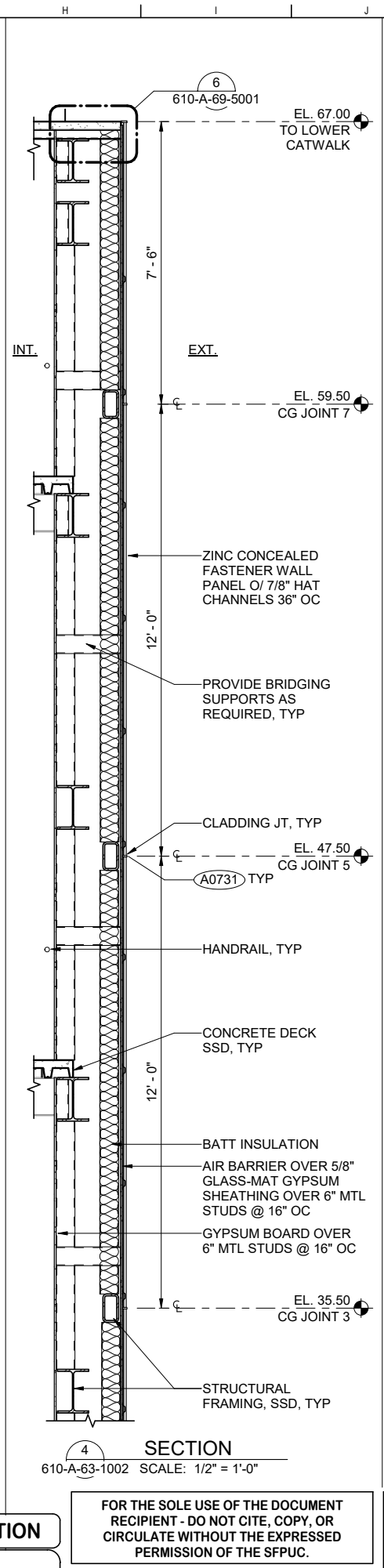
1 SECTION
610-A-63-1002 SCALE: 1/2" = 1'-0"



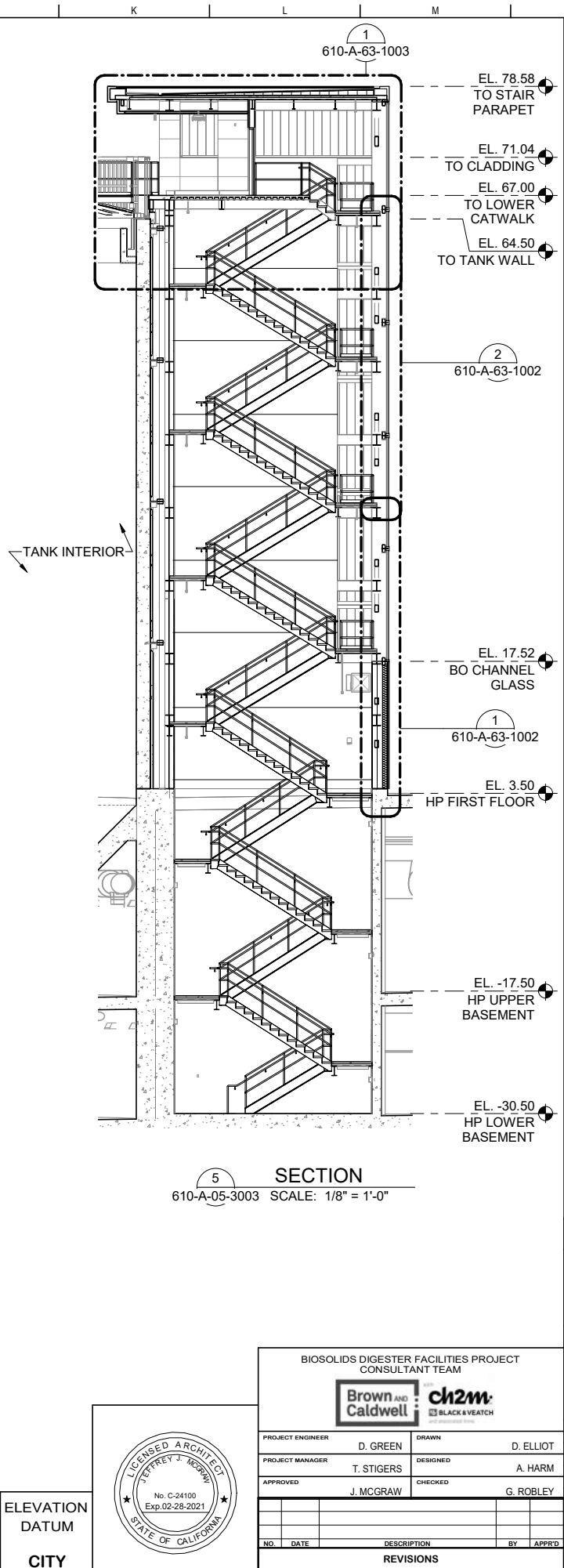
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610-A-63-1002 SCALE: 1/2" = 1'-0"



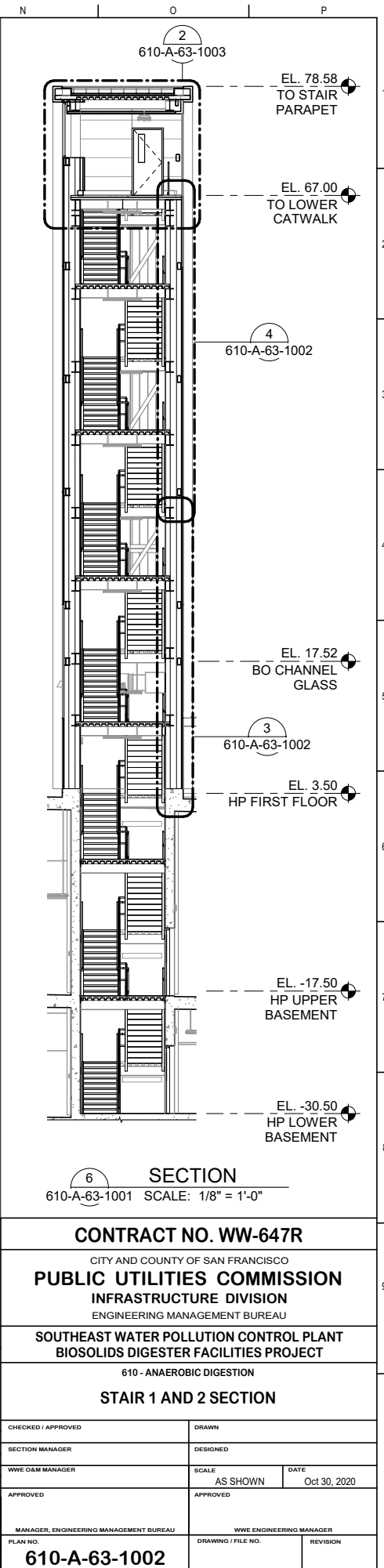
3 SECTION
610-A-63-1002 SCALE: 1/2" = 1'-0"



4 SECTION
610-A-63-1002 SCALE: 1/2" = 1'-0"



5 SECTION
610-A-05-3003 SCALE: 1/8" = 1'-0"



6 SECTION
610-A-63-1001 SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
STAIR 1 AND 2 SECTION

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE Oct 30, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
PLAN NO. 610-A-63-1002	DRAWING / FILE NO.
REVISIONS	REVISION

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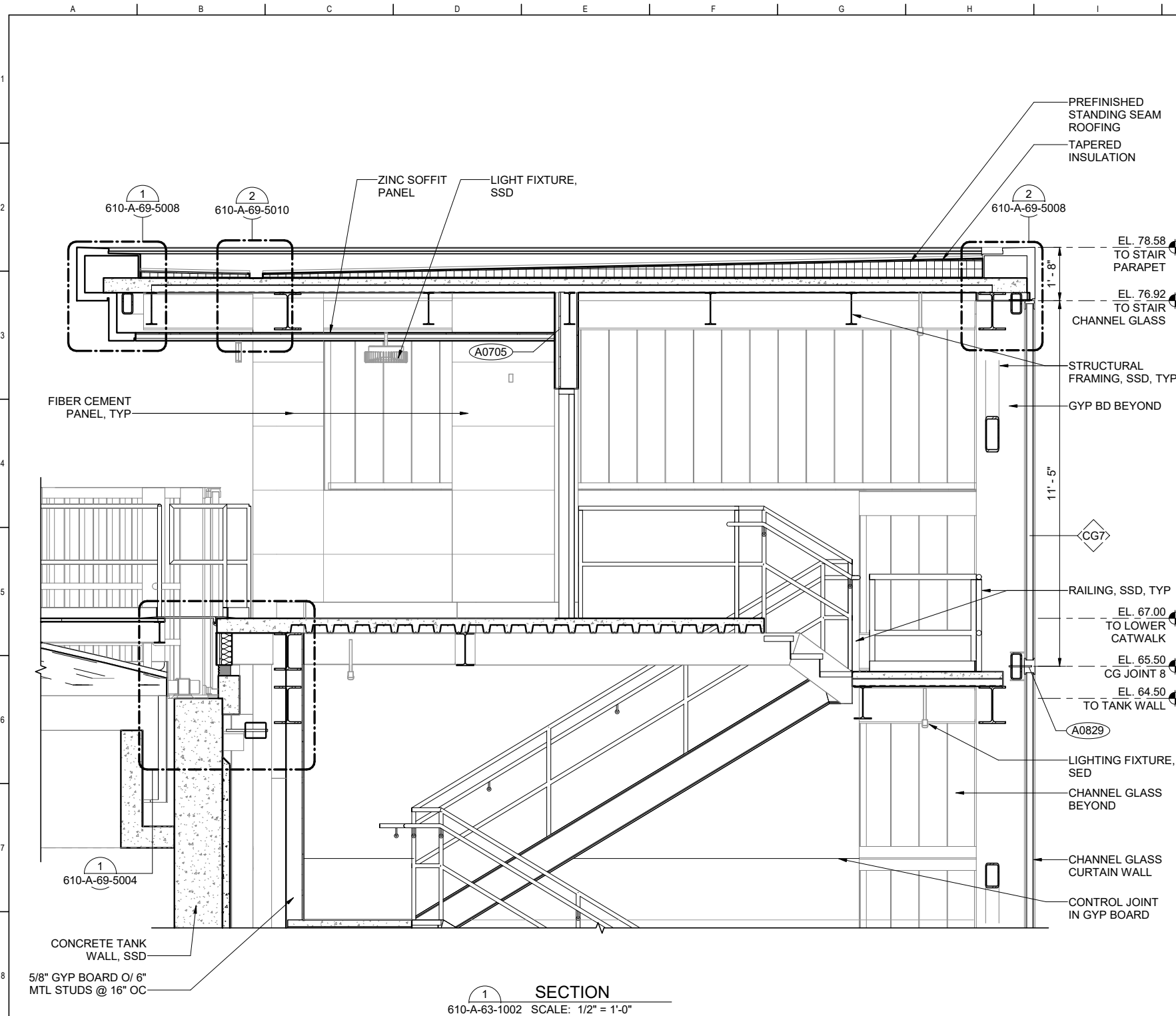
ELEVATION DATUM
CITY



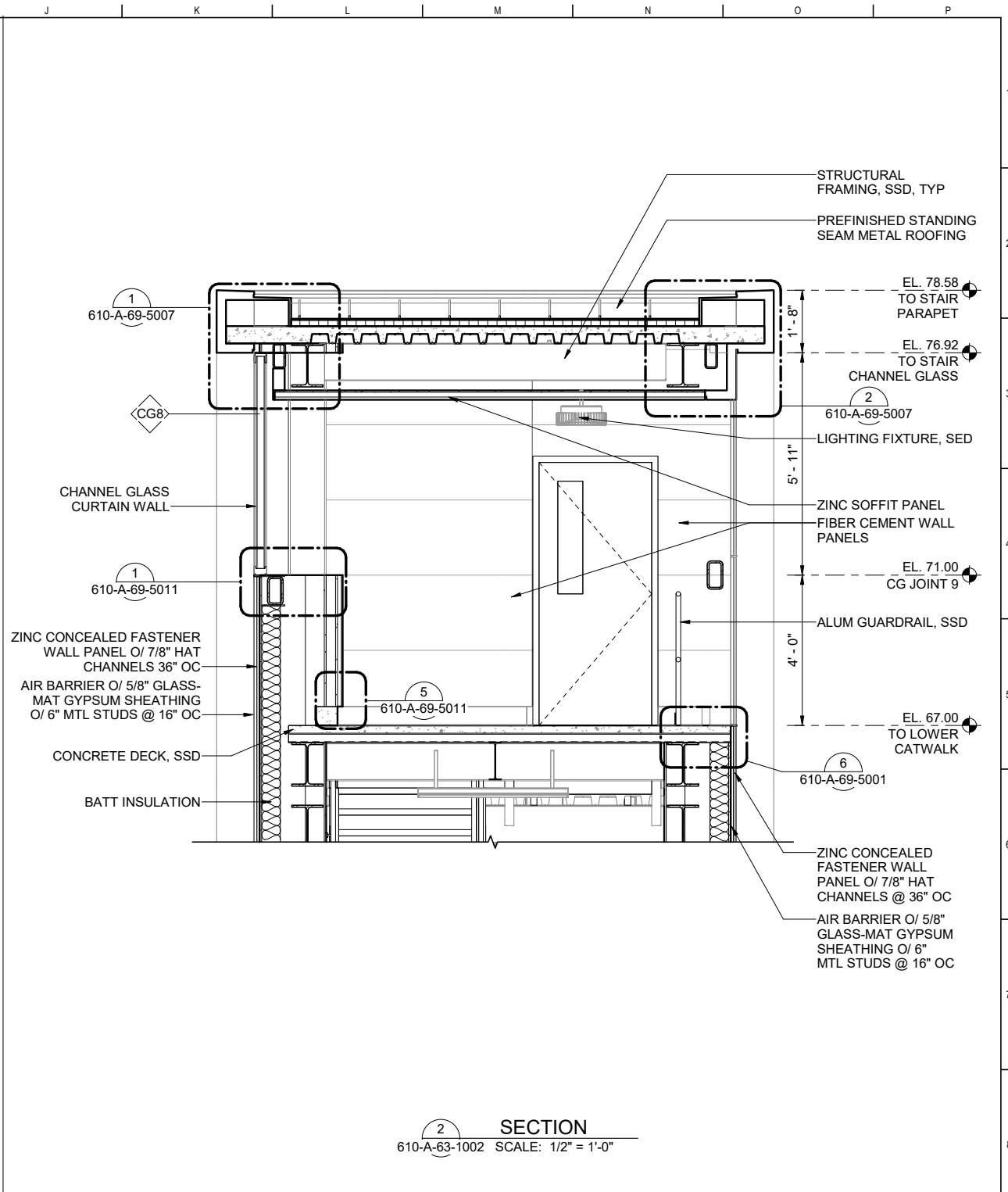
BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM

Brown and Caldwell **ch2m**
BLACK & VEATCH

PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

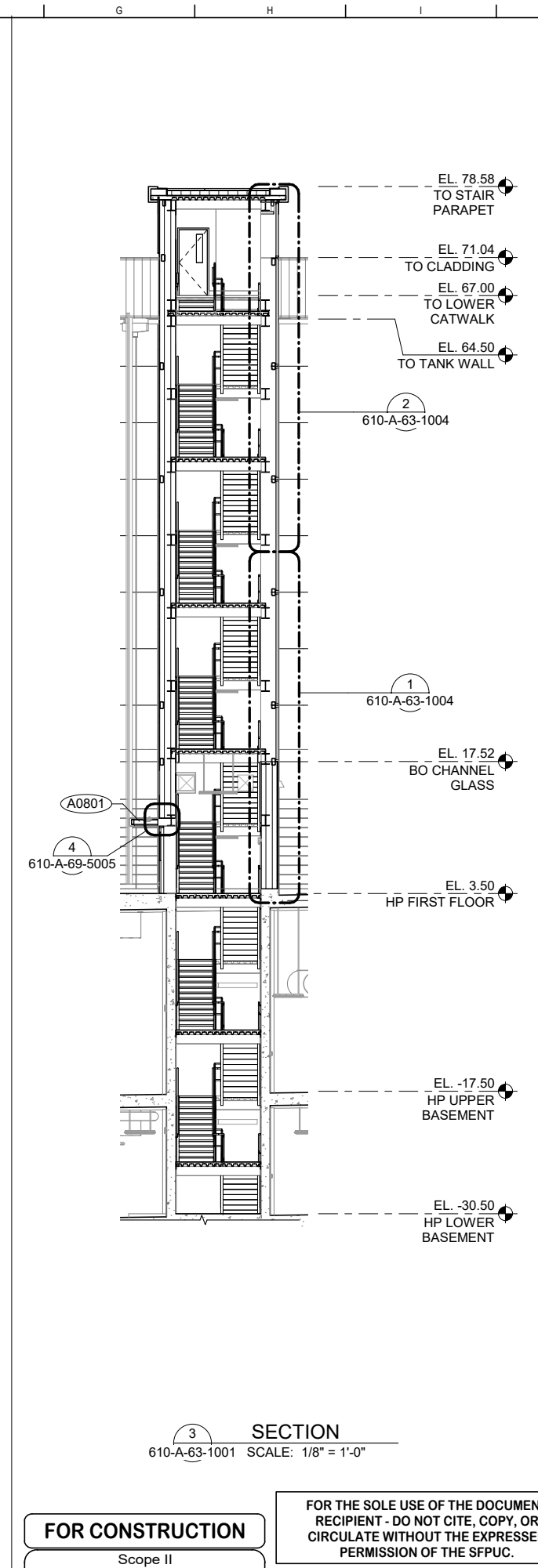
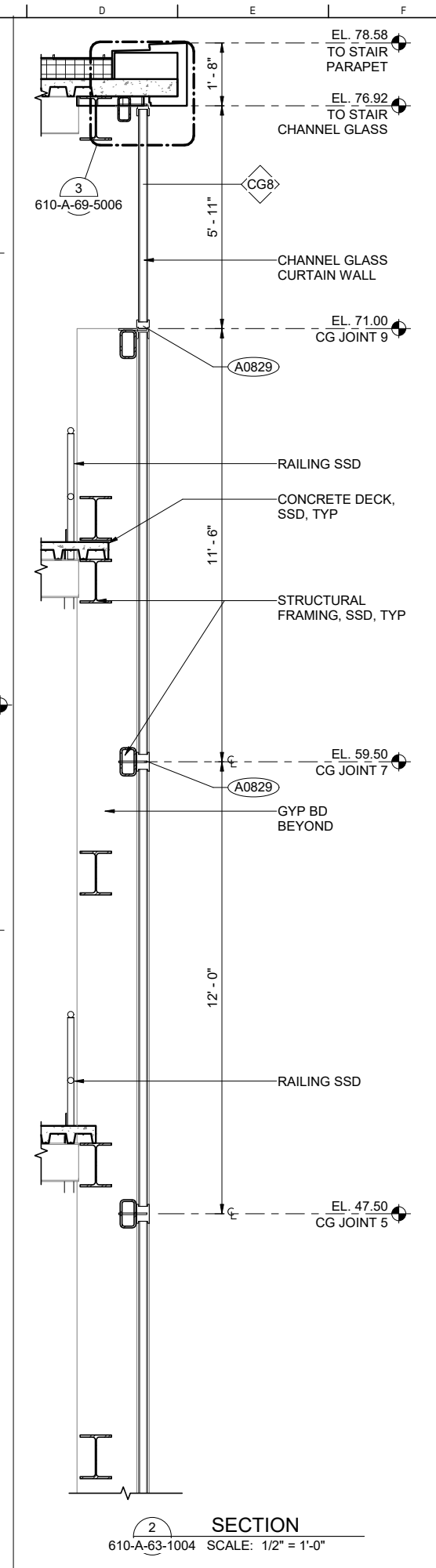
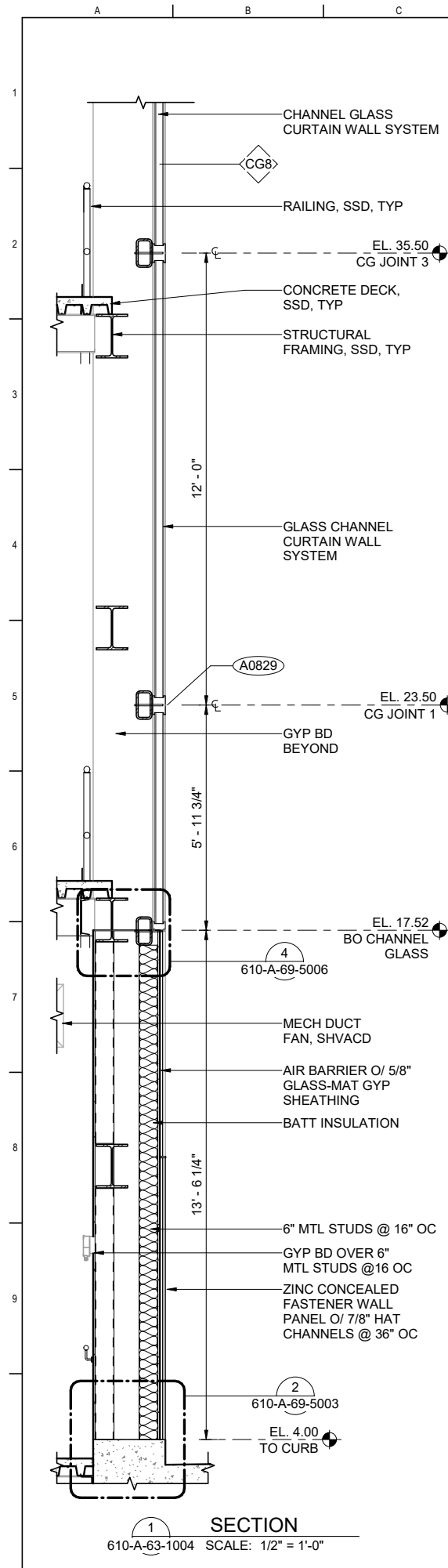


SECTION
610-A-63-1002 SCALE: 1/2" = 1'-0"



SECTION
610-A-63-1002 SCALE: 1/2" = 1'-0"

FOR CONSTRUCTION		FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.		ELEVATION DATUM CITY		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td colspan="2"></td> </tr> <tr> <td>PROJECT ENGINEER D. GREEN</td> <td>DRAWN D. ELLIOT</td> <td colspan="2"></td> </tr> <tr> <td>PROJECT MANAGER T. STIGERS</td> <td>DESIGNED A. HARM</td> <td colspan="2"></td> </tr> <tr> <td>APPROVED J. MCGRAW</td> <td>CHECKED G. ROBLEY</td> <td colspan="2"></td> </tr> <tr> <td>NO.</td> <td>DATE</td> <td>DESCRIPTION</td> <td>BY</td> <td>APPRD</td> </tr> <tr> <td colspan="5" style="text-align: center;">REVISIONS</td> </tr> </table>	BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM								PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT			PROJECT MANAGER T. STIGERS	DESIGNED A. HARM			APPROVED J. MCGRAW	CHECKED G. ROBLEY			NO.	DATE	DESCRIPTION	BY	APPRD	REVISIONS					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">CONTRACT NO. WW-647R</td> </tr> <tr> <td colspan="4" style="text-align: center;">CITY AND COUNTY OF SAN FRANCISCO</td> </tr> <tr> <td colspan="4" style="text-align: center;">PUBLIC UTILITIES COMMISSION</td> </tr> <tr> <td colspan="4" style="text-align: center;">INFRASTRUCTURE DIVISION</td> </tr> <tr> <td colspan="4" style="text-align: center;">ENGINEERING MANAGEMENT BUREAU</td> </tr> <tr> <td colspan="4" style="text-align: center;">SOUTHEAST WATER POLLUTION CONTROL PLANT</td> </tr> <tr> <td colspan="4" style="text-align: center;">BIOSOLIDS DIGESTER FACILITIES PROJECT</td> </tr> <tr> <td colspan="4" style="text-align: center;">610 - ANAEROBIC DIGESTION</td> </tr> <tr> <td colspan="4" style="text-align: center;">STAIR 1 AND 2 SECTION</td> </tr> <tr> <td>CHECKED / APPROVED</td> <td colspan="3">DRAWN</td> </tr> <tr> <td>SECTION MANAGER</td> <td colspan="3">DESIGNED</td> </tr> <tr> <td>WWE O&M MANAGER</td> <td>SCALE</td> <td>AS SHOWN</td> <td>DATE</td> </tr> <tr> <td>APPROVED</td> <td colspan="3">APPROVED</td> </tr> <tr> <td colspan="2">MANAGER, ENGINEERING MANAGEMENT BUREAU</td> <td colspan="2">WWE ENGINEERING MANAGER</td> </tr> <tr> <td>PLAN NO.</td> <td colspan="2">DRAWING / FILE NO.</td> <td>REVISION</td> </tr> <tr> <td colspan="2" style="text-align: center;">610-A-63-1003</td> <td colspan="2"></td> </tr> </table>	CONTRACT NO. WW-647R				CITY AND COUNTY OF SAN FRANCISCO				PUBLIC UTILITIES COMMISSION				INFRASTRUCTURE DIVISION				ENGINEERING MANAGEMENT BUREAU				SOUTHEAST WATER POLLUTION CONTROL PLANT				BIOSOLIDS DIGESTER FACILITIES PROJECT				610 - ANAEROBIC DIGESTION				STAIR 1 AND 2 SECTION				CHECKED / APPROVED	DRAWN			SECTION MANAGER	DESIGNED			WWE O&M MANAGER	SCALE	AS SHOWN	DATE	APPROVED	APPROVED			MANAGER, ENGINEERING MANAGEMENT BUREAU		WWE ENGINEERING MANAGER		PLAN NO.	DRAWING / FILE NO.		REVISION	610-A-63-1003			
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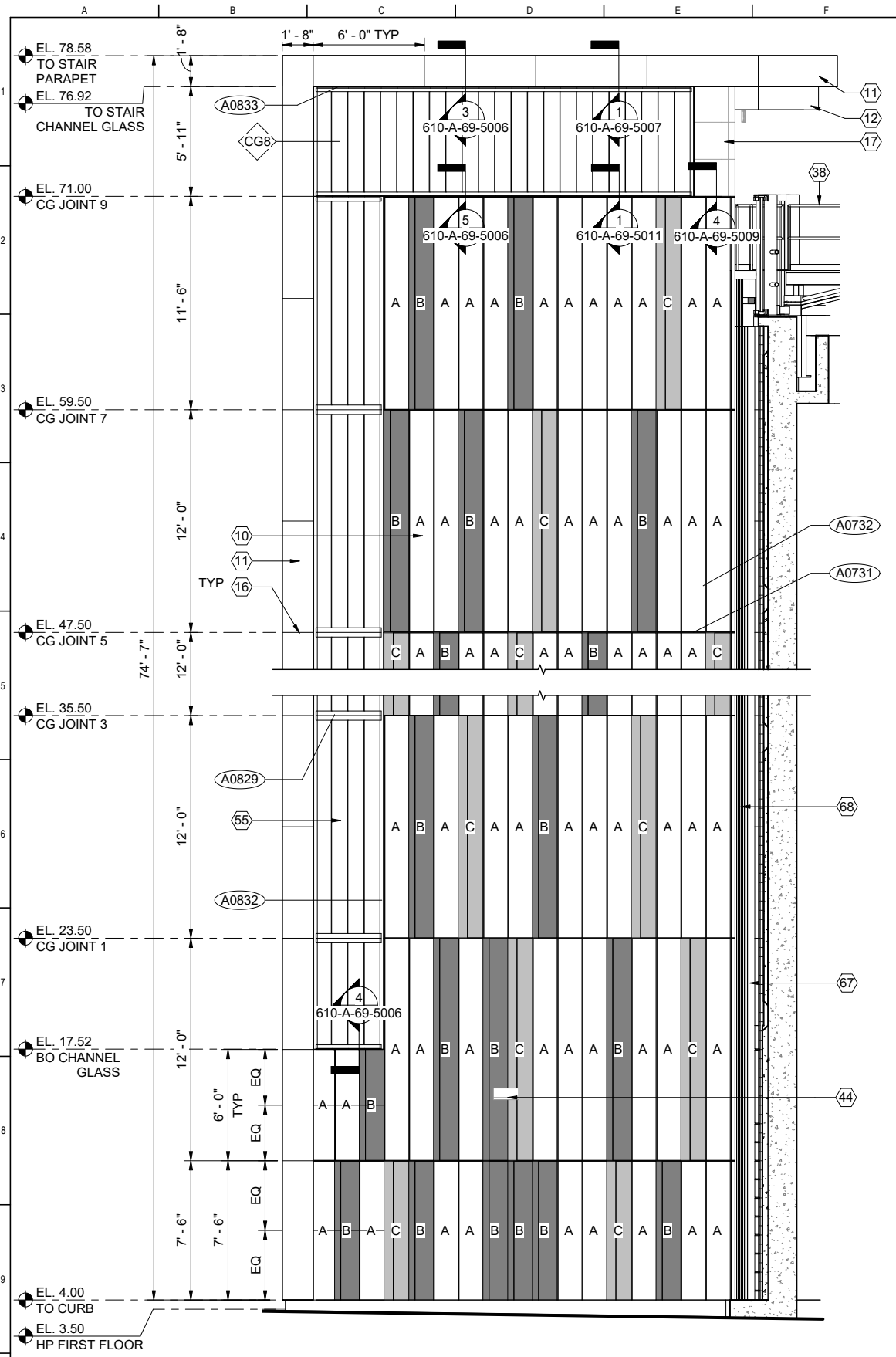
ELEVATION DATUM
CITY

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

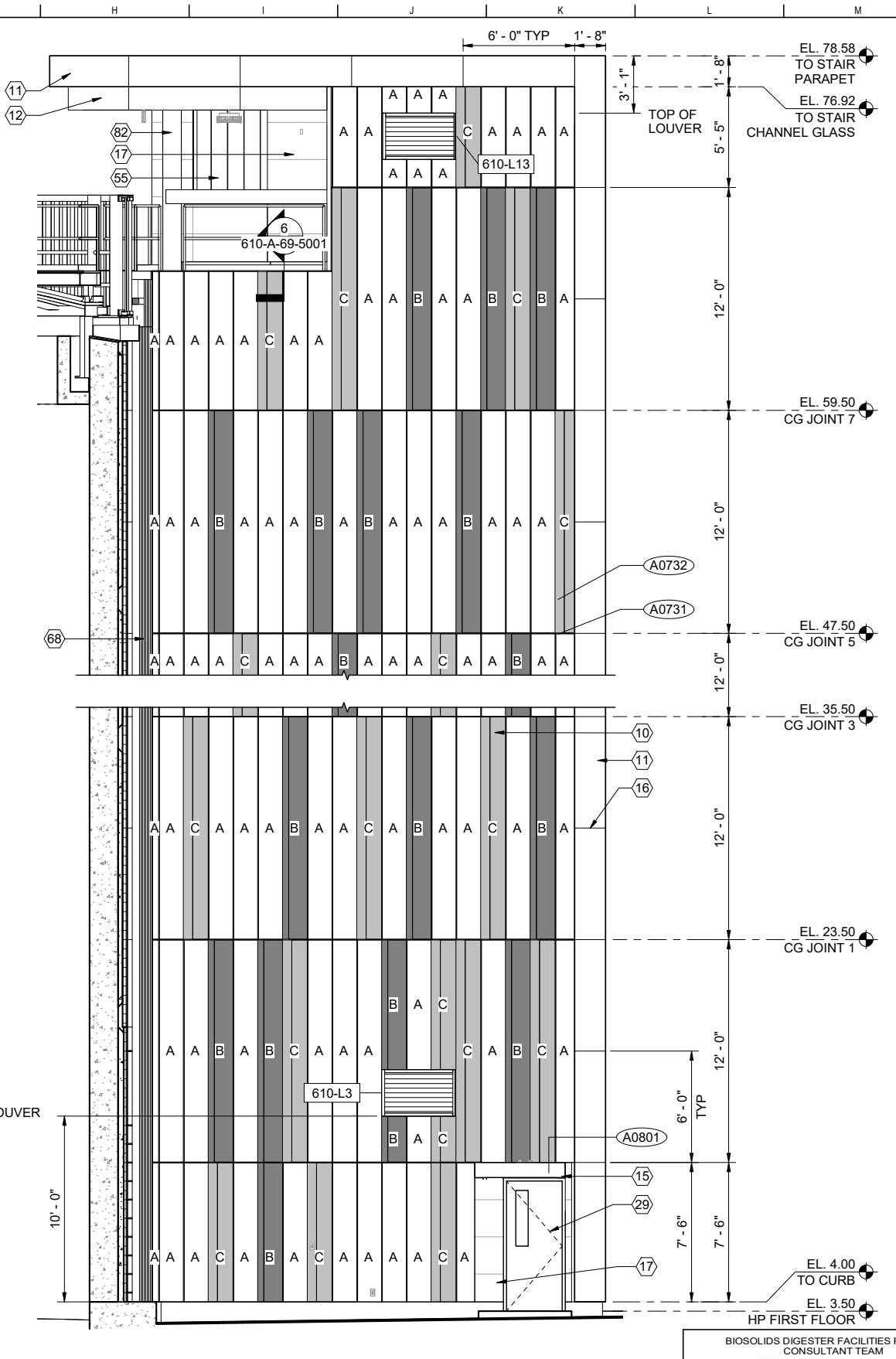
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
STAIR 1 AND 2 SECTION

PROJECT ENGINEER D. GREEN		DRAWN D. ELLIOT	
PROJECT MANAGER T. STIGERS		DESIGNED A. HARM	
APPROVED J. MCGRAW		CHECKED G. ROBLEY	
SECTION MANAGER		DESIGNED	
WWE O&M MANAGER		SCALE AS SHOWN	DATE Oct 30, 2020
APPROVED		APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		WWE ENGINEERING MANAGER	
PLAN NO. 610-A-63-1004	DRAWING / FILE NO.	REVISION	

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



1 ELEVATION
610-A-63-1001 SCALE: 1/4" = 1'-0"



2 ELEVATION
610-A-63-1001 SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

- CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
- SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
- SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
- SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
- SEE SHEET 000-A-75-5003 FOR DOOR TYPES
- SEE SHEET 000-A-75-6001 THROUGH 6003 FOR FINISH SCHEDULE
- SEE SHEET 000-A-75-6007 FOR LOUVER TYPES
- FOR PANEL TYPES SEE A0730

SHEET KEY NOTES

- ZINC CONCEALED-FASTENER WALL PANELS, ZN-1
- ZINC COMPOSITE PANEL FASCIA, ZN-1
- ZINC COMPOSITE PANEL FASCIA, ZN-2
- ZINC COMPOSITE FASCIA CANOPY, ZN-1, SEE A0801 DETAIL
- ZINC COMPOSITE FASCIA JOINT
- FIBER CEMENT WALL PANELS, FC-1, SEE CLADDING ELEVATION
- FRP DOOR AND FRAME, FR-1
- GUARDRAIL, SSD
- LIGHT FIXTURE TYP, SED
- CHANNEL GLASS CURTAIN WALL, SEE CURTAIN WALL TYPES
- PAINTED BENT PLATE, SSD
- EXPANSION JOINT TYPE EJ-2
- EXPOSED PAINTED STEEL, STL-2

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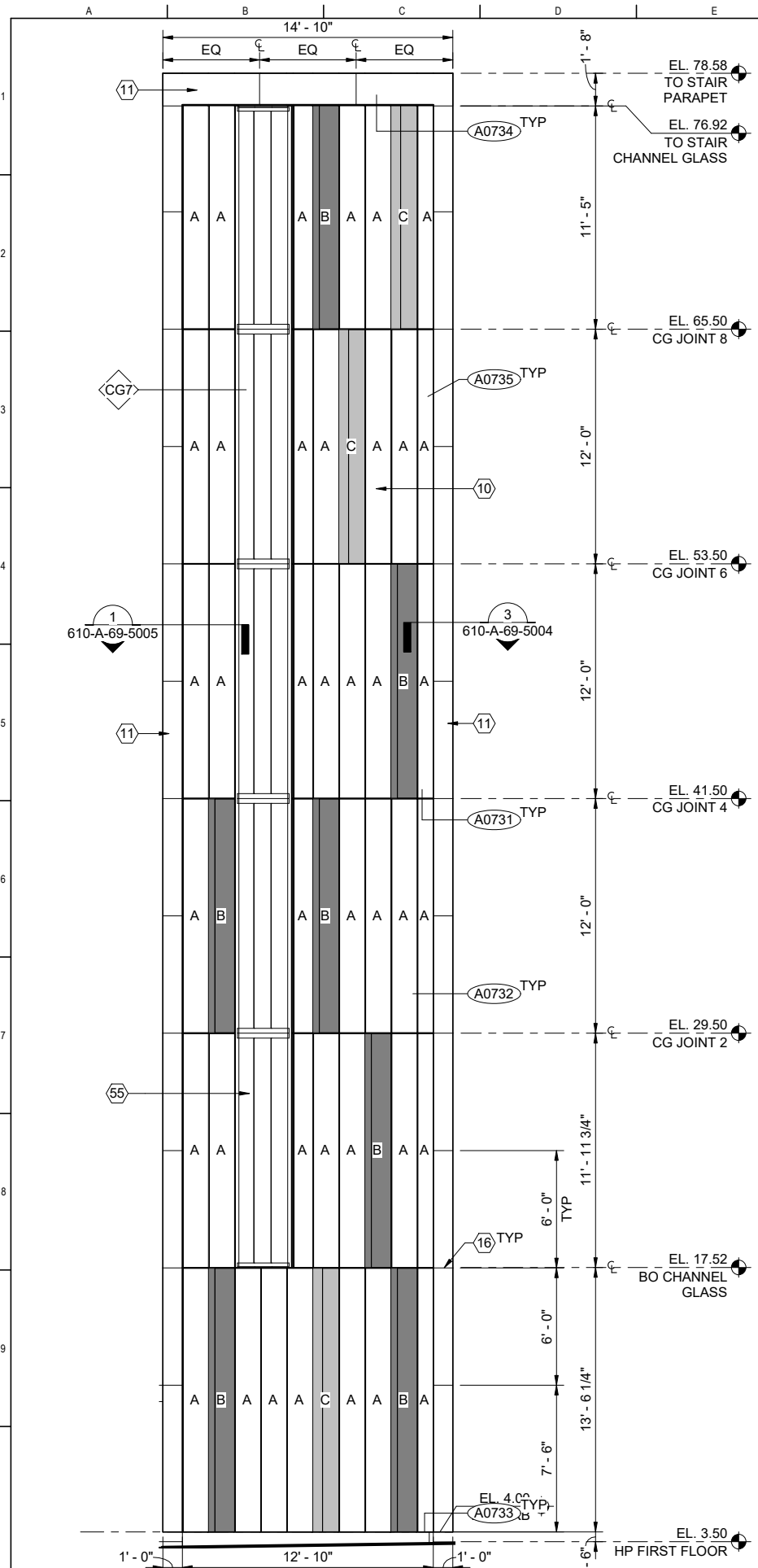
ELEVATION DATUM
CITY



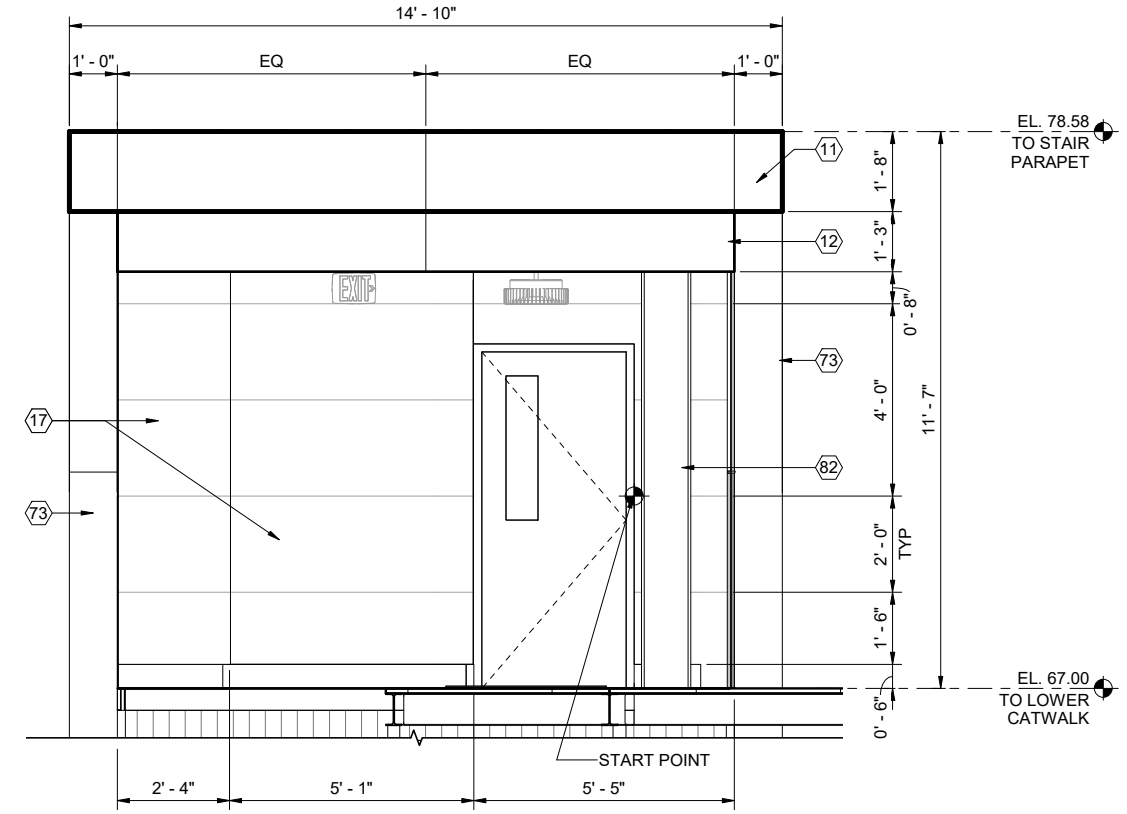
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
STAIR 1 AND 2 PARTIAL ELEVATIONS

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-63-1005	REVISION



1 ELEVATION
610-A-63-1001 SCALE: 1/4" = 1'-0"



2 ELEVATION
610-A-63-1001 SCALE: 1/2" = 1'-0"

GENERAL SHEET NOTES

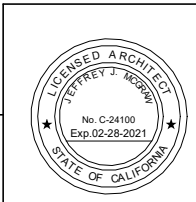
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2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6001 THROUGH 6003 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES
8. FOR PANEL TYPES SEE A0730

SHEET KEY NOTES

- 10 ZINC CONCEALED-FASTENER WALL PANELS, ZN-1
- 11 ZINC COMPOSITE PANEL FASCIA, ZN-1
- 12 ZINC COMPOSITE PANEL FASCIA, ZN-2
- 16 ZINC COMPOSITE FASCIA JOINT
- 17 FIBER CEMENT WALL PANELS, FC-1, SEE CLADDING ELEVATION
- 55 CHANNEL GLASS CURTAIN WALL, SEE CURTAIN WALL TYPES
- 73 ZINC COMPOSITE FASCIA BEYOND
- 82 EXPOSED PAINTED STEEL, STL-2

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
STAIR 1 AND 2 PARTIAL ELEVATIONS

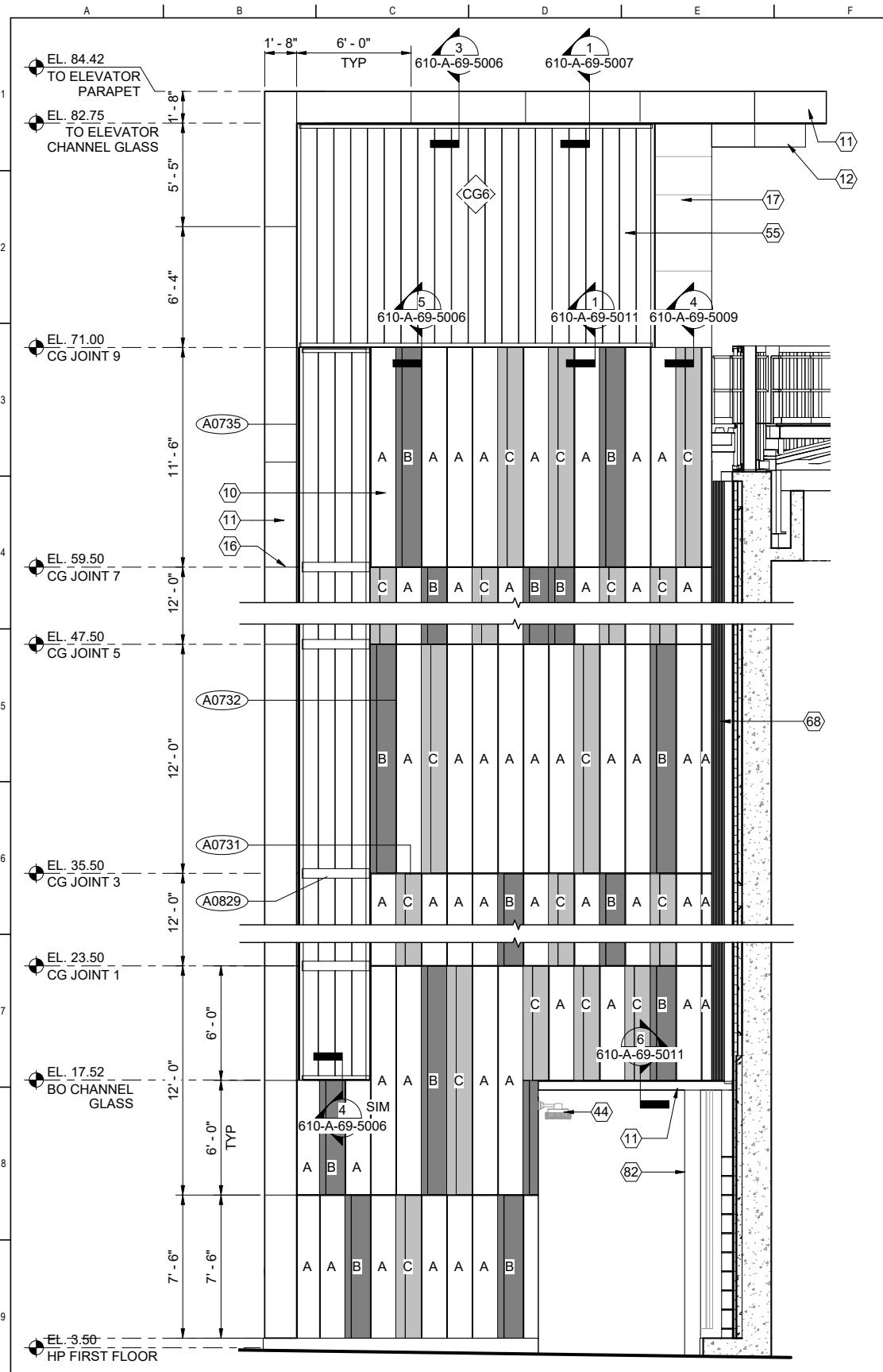
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD



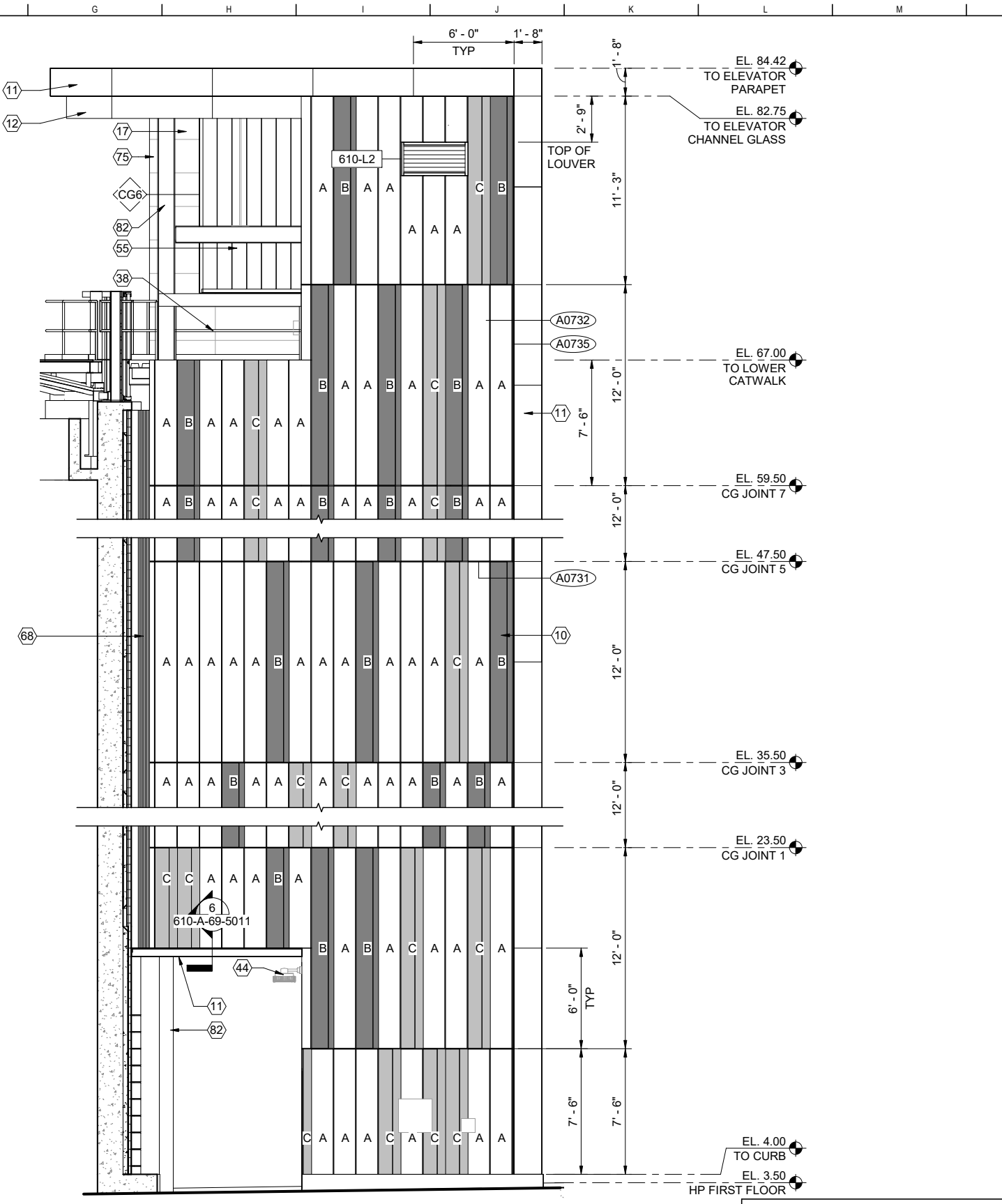
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ELEVATION
DATUM
CITY



1 ELEVATION
610-A-63-1007 SCALE: 1/4" = 1'-0"



2 ELEVATION
610-A-63-1007 SCALE: 1/4" = 1'-0"

- ### GENERAL SHEET NOTES
- CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
 - SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
 - SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
 - SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
 - SEE SHEET 000-A-75-5003 FOR DOOR TYPES
 - SEE SHEET 000-A-75-6001 THROUGH 6003 FOR FINISH SCHEDULE
 - SEE SHEET 000-A-75-6007 FOR LOUVER TYPES
 - FOR PANEL TYPES SEE A0730

- ### SHEET KEY NOTES
- ZINC CONCEALED-FASTENER WALL PANELS, ZN-1
 - ZINC COMPOSITE PANEL FASCIA, ZN-1
 - ZINC COMPOSITE PANEL FASCIA, ZN-2
 - ZINC COMPOSITE FASCIA JOINT
 - FIBER CEMENT WALL PANELS, FC-1, SEE CLADDING ELEVATION
 - GUARDRAIL, SSD
 - LIGHT FIXTURE TYP, SED
 - CHANNEL GLASS CURTAIN WALL, SEE CURTAIN WALL TYPES
 - EXPANSION JOINT TYPE EJ-2
 - FIBER CEMENT WALL PANELS, FC-2, SEE CLADDING ELEVATION
 - EXPOSED PAINTED STEEL, STL-2

FOR CONSTRUCTION
Scope II

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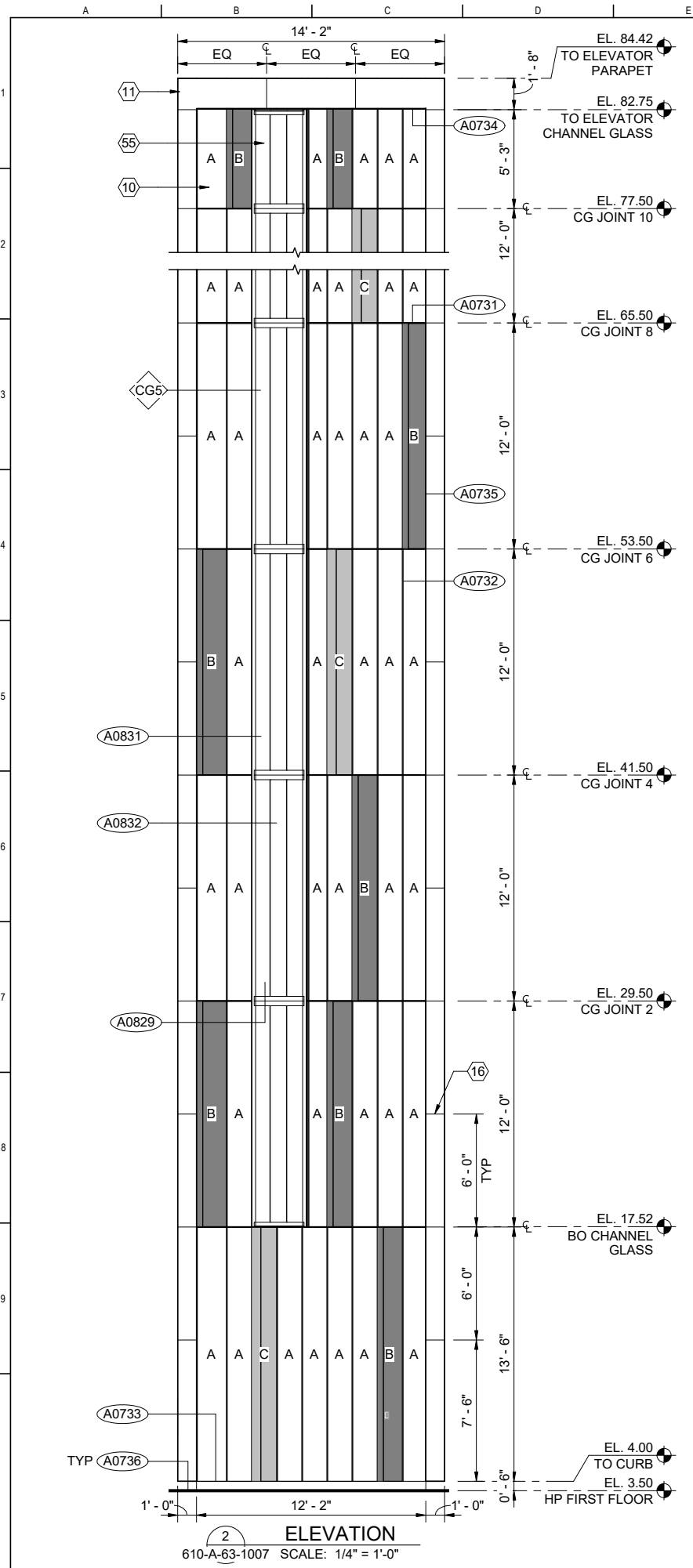
ELEVATION DATUM
CITY



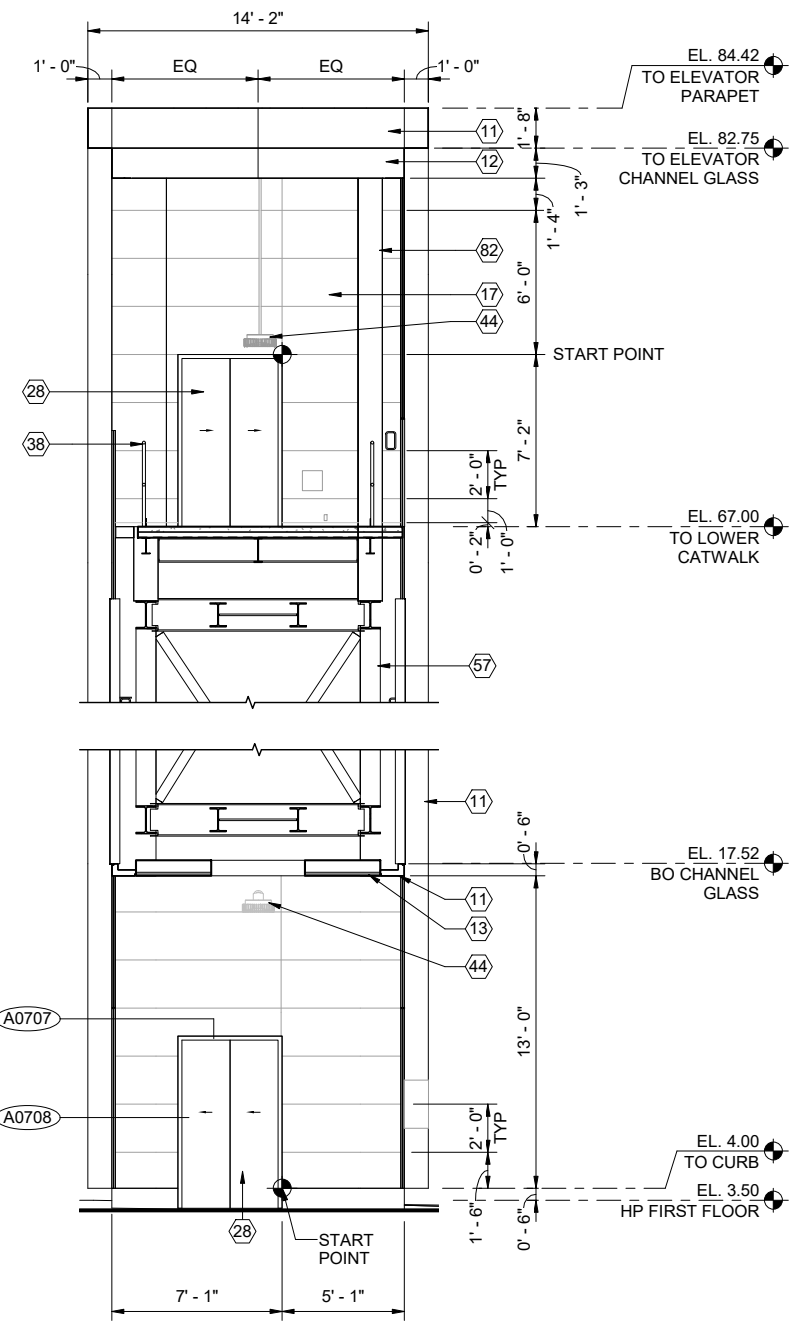
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION

ELEVATOR PARTIAL ELEVATIONS	
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-63-1008	REVISION



1 ELEVATION
610-A-63-1007 SCALE: 1/4" = 1'-0"



2 ELEVATION
610-A-63-1007 SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6001 THROUGH 6003 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES
8. FOR PANEL TYPES SEE A0730

SHEET KEY NOTES

- 10 ZINC CONCEALED-FASTENER WALL PANELS, ZN-1
- 11 ZINC COMPOSITE PANEL FASCIA, ZN-1
- 12 ZINC COMPOSITE PANEL FASCIA, ZN-2
- 13 ZINC SOFFIT PANEL, ZN-1
- 16 ZINC COMPOSITE FASCIA JOINT
- 17 FIBER CEMENT WALL PANELS, FC-1, SEE CLADDING ELEVATION
- 28 SS ELEVATOR DOOR, SS-6
- 38 GUARDRAIL, SSD
- 44 LIGHT FIXTURE TYP, SED
- 55 CHANNEL GLASS CURTAIN WALL, SEE CURTAIN WALL TYPES
- 57 PAINTED STRUCTURAL FRAMING, SSD
- 82 EXPOSED PAINTED STEEL, STL-2

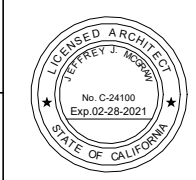
CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION

ELEVATOR PARTIAL ELEVATIONS

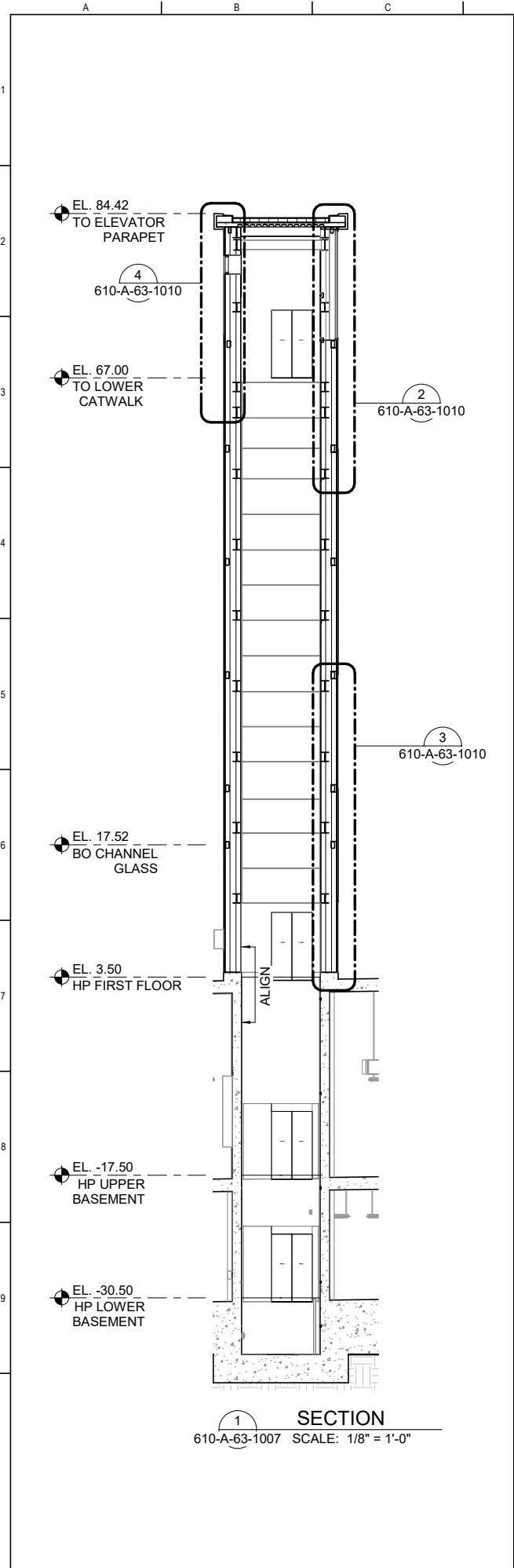
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.		DATE	
DESCRIPTION		BY	
REVISIONS		APPROVED	



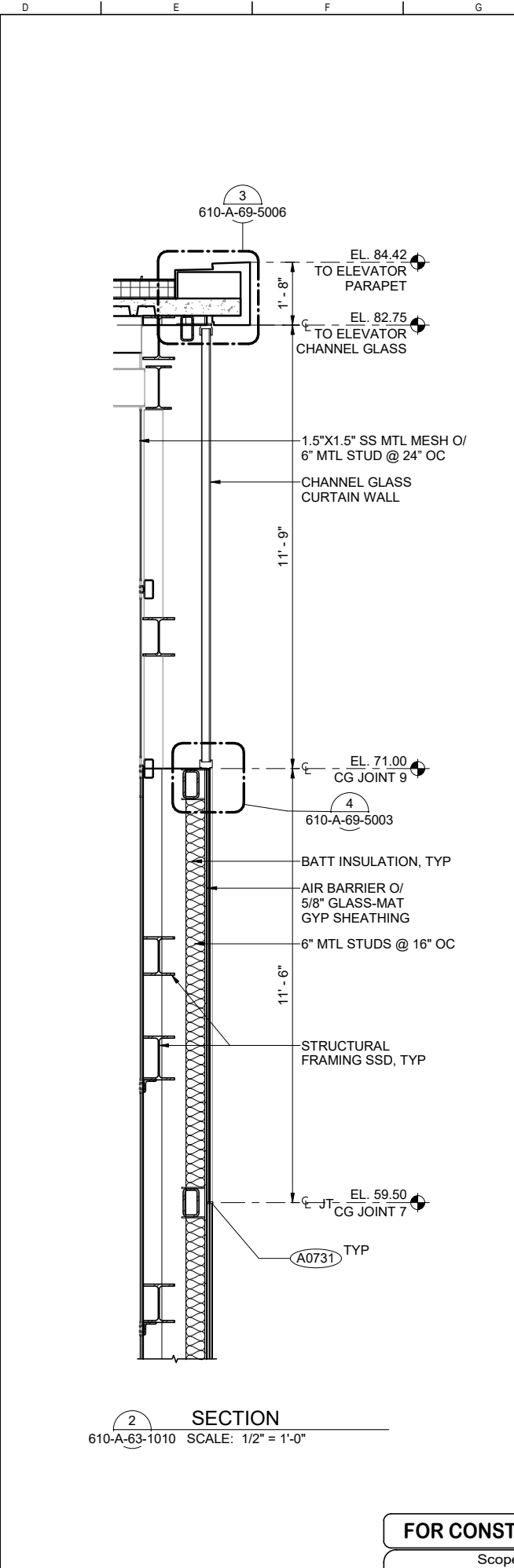
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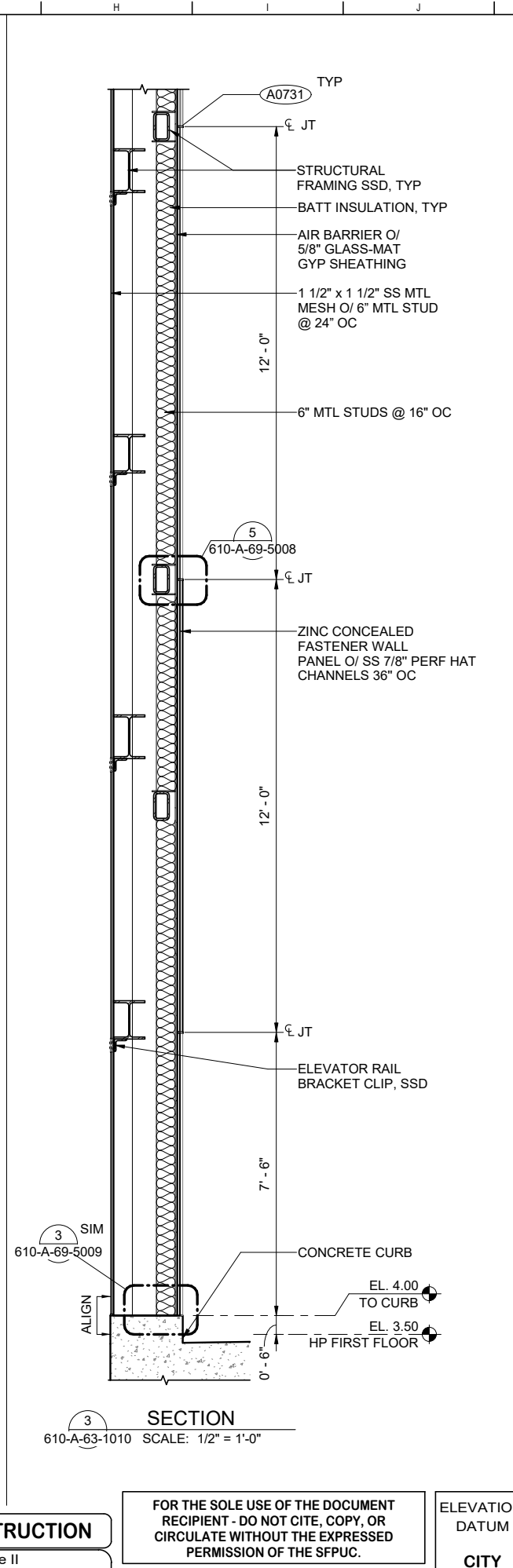
ELEVATION
DATUM
CITY



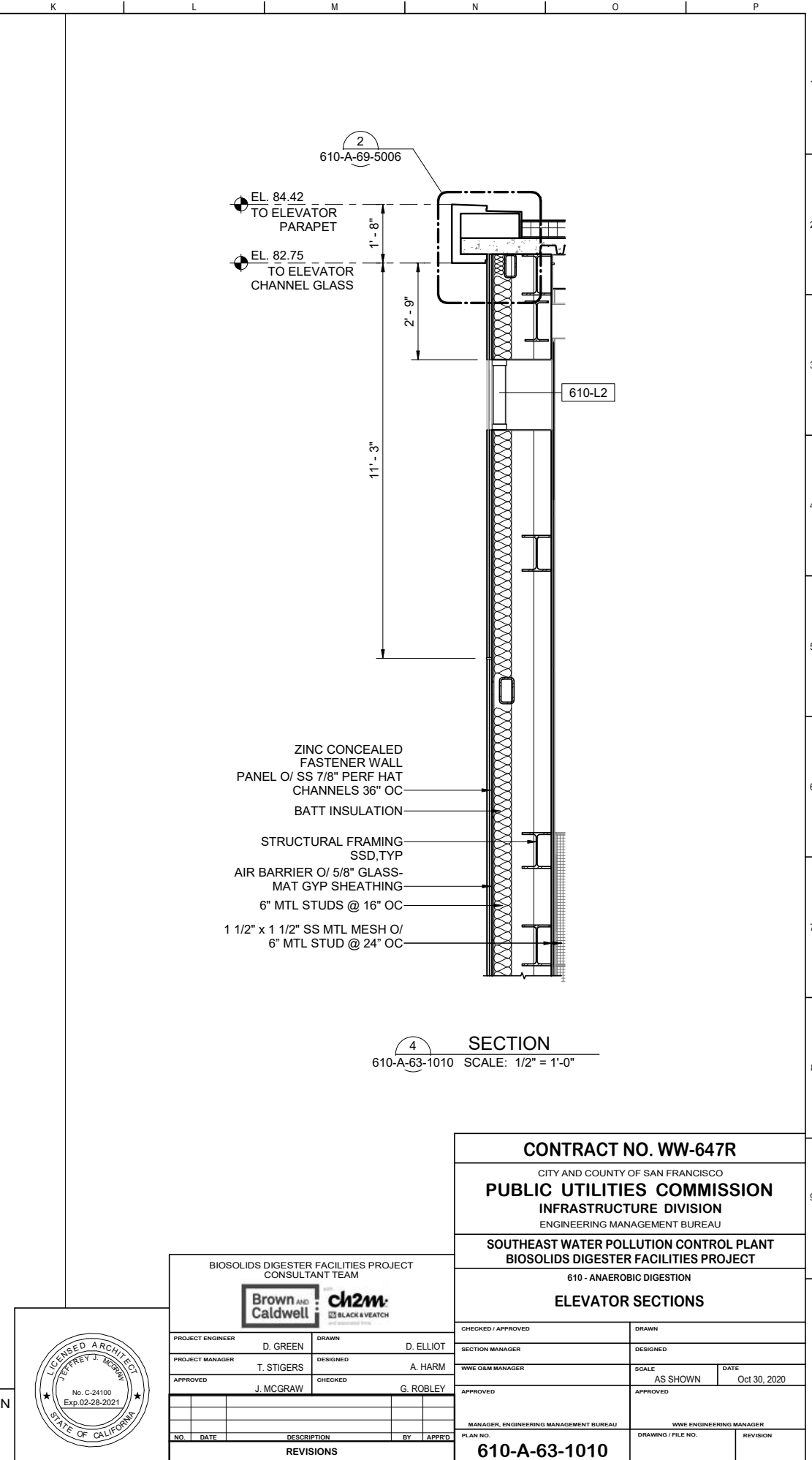
1 SECTION
610-A-63-1007 SCALE: 1/8" = 1'-0"



2 SECTION
610-A-63-1010 SCALE: 1/2" = 1'-0"



3 SECTION
610-A-63-1010 SCALE: 1/2" = 1'-0"



4 SECTION
610-A-63-1010 SCALE: 1/2" = 1'-0"

FOR CONSTRUCTION
Scope II

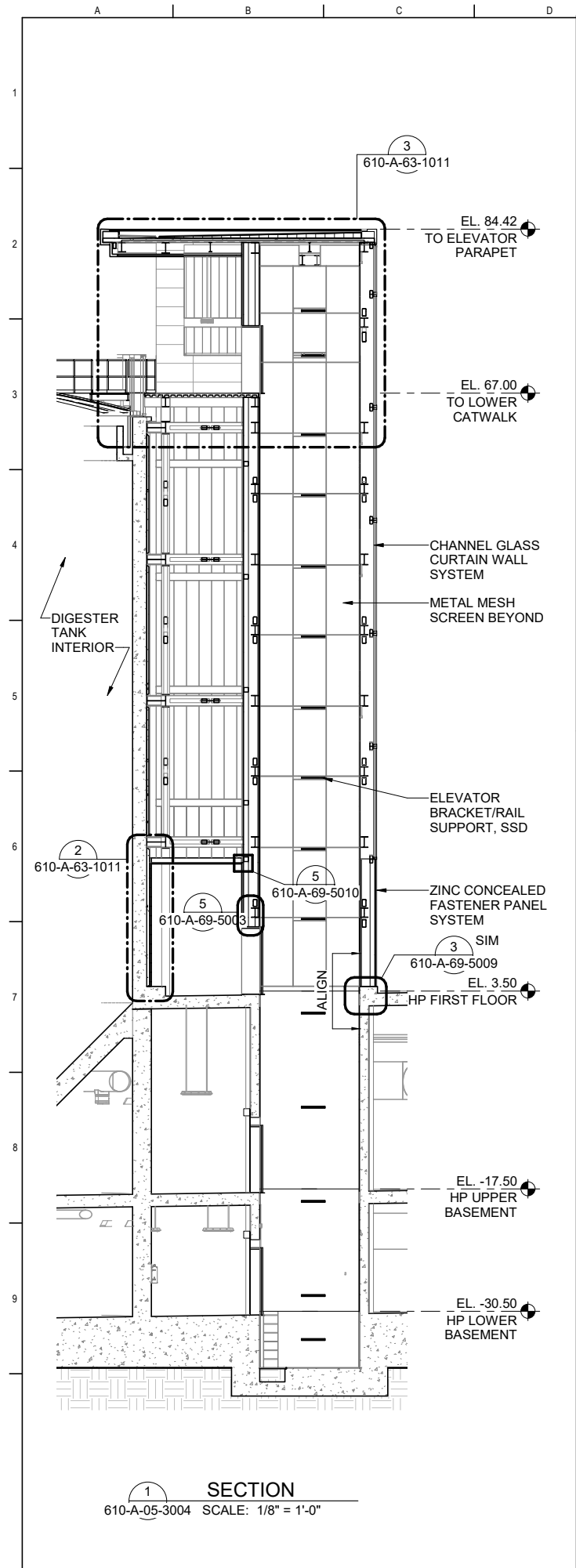
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ELEVATION
DATUM
CITY

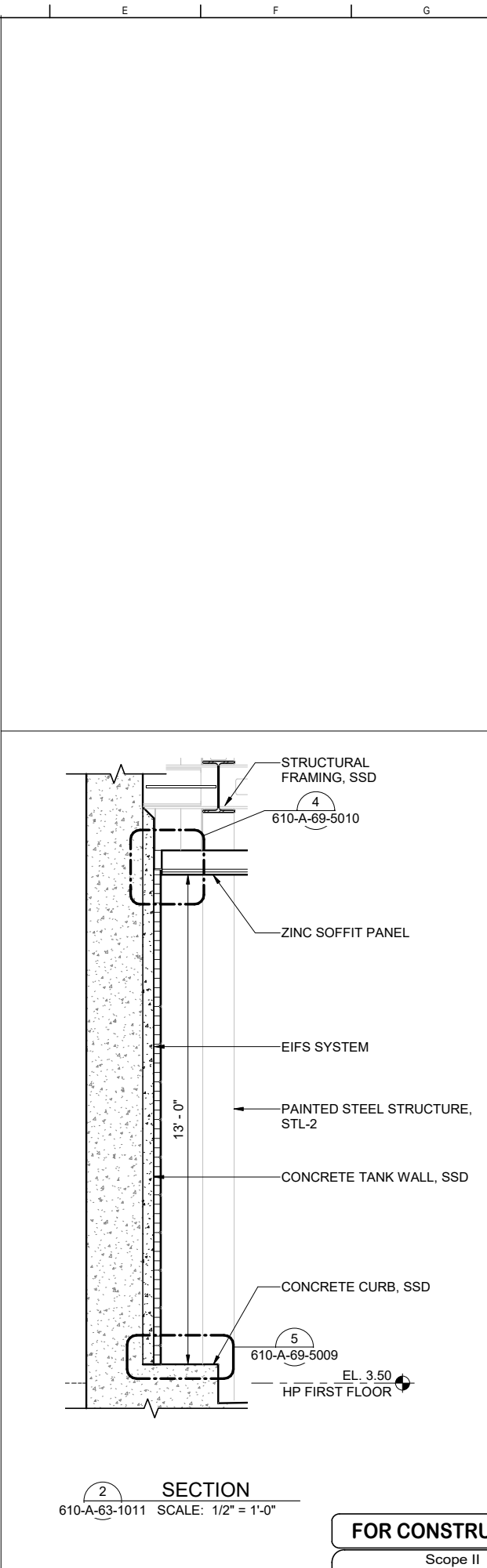


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT	SECTION MANAGER T. STIGERS	DESIGNED A. HARM
APPROVED J. MCGRAW	CHECKED G. ROBLEY	WWE O&M MANAGER	SCALE AS SHOWN
DATE		DATE	DATE
REVISIONS		DATE	

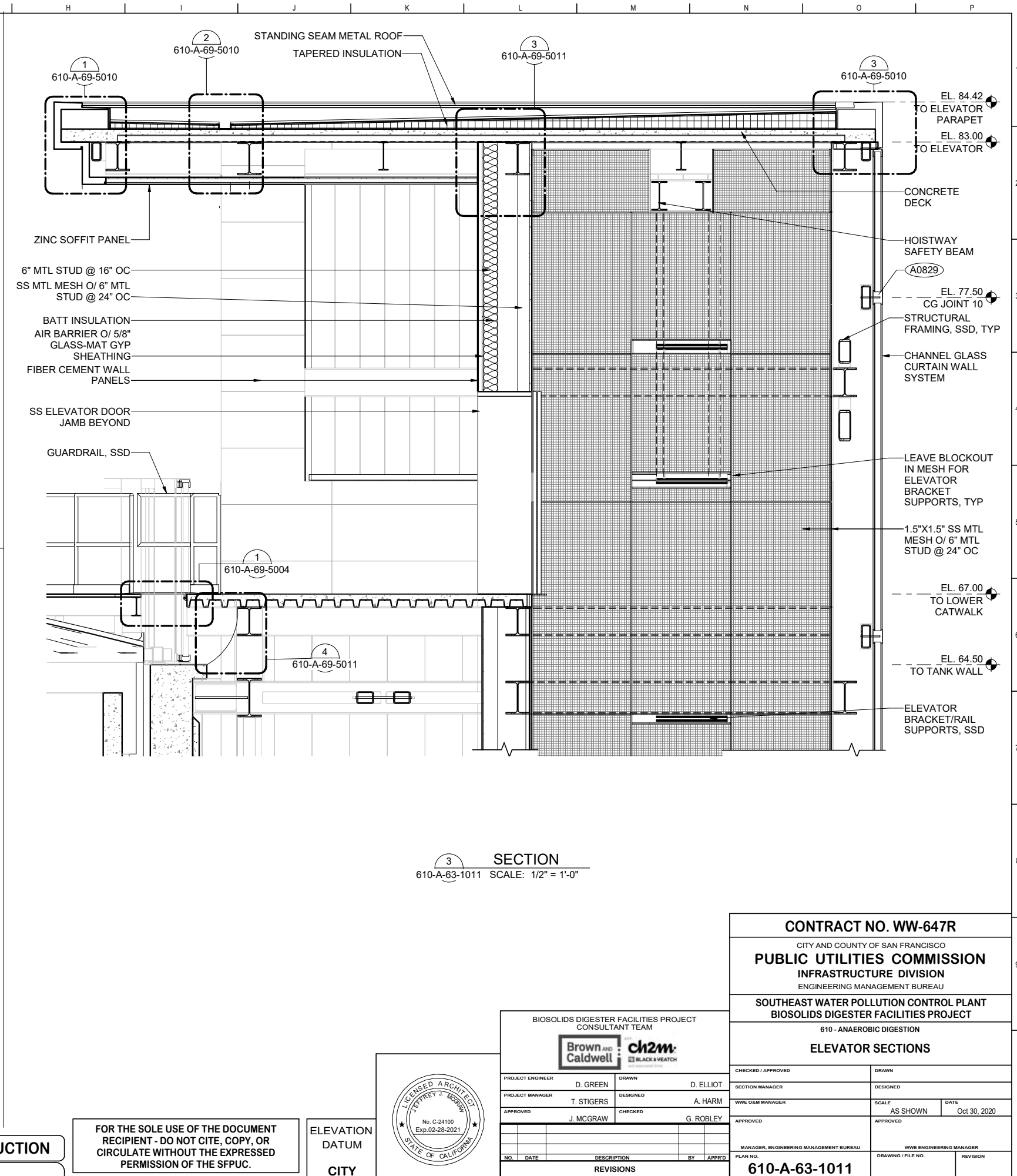
CONTRACT NO. WW-647R			
CITY AND COUNTY OF SAN FRANCISCO			
PUBLIC UTILITIES COMMISSION			
INFRASTRUCTURE DIVISION			
ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT			
BIOSOLIDS DIGESTER FACILITIES PROJECT			
610 - ANAEROBIC DIGESTION			
ELEVATOR SECTIONS			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	DATE	
APPROVED	AS SHOWN	Oct 30, 2020	
MANAGER, ENGINEERING MANAGEMENT BUREAU		WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION	
610-A-63-1010			



SECTION 1
610-A-05-3004 SCALE: 1/8" = 1'-0"



SECTION 2
610-A-63-1011 SCALE: 1/2" = 1'-0"



SECTION 3
610-A-63-1011 SCALE: 1/2" = 1'-0"

FOR CONSTRUCTION
Scope II

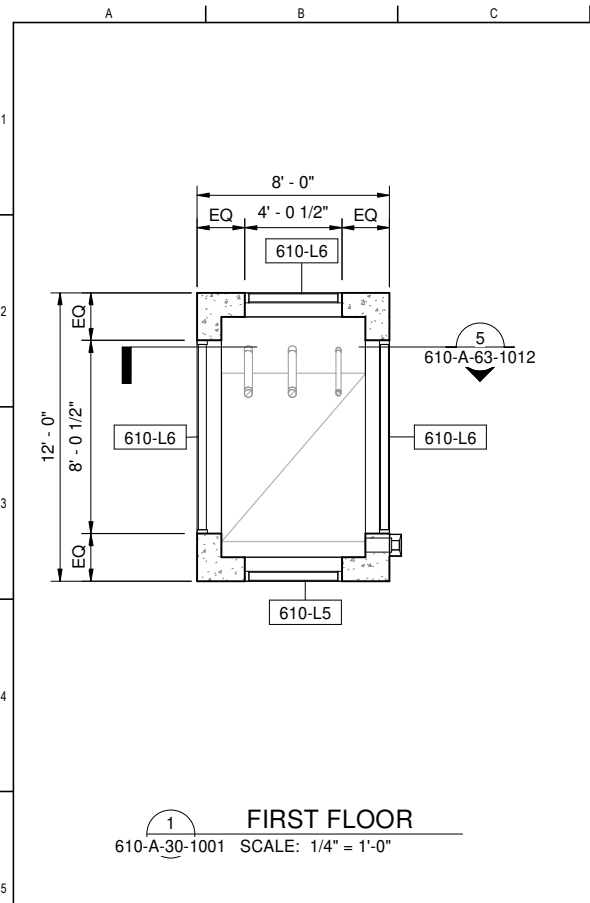
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ELEVATION DATUM
CITY

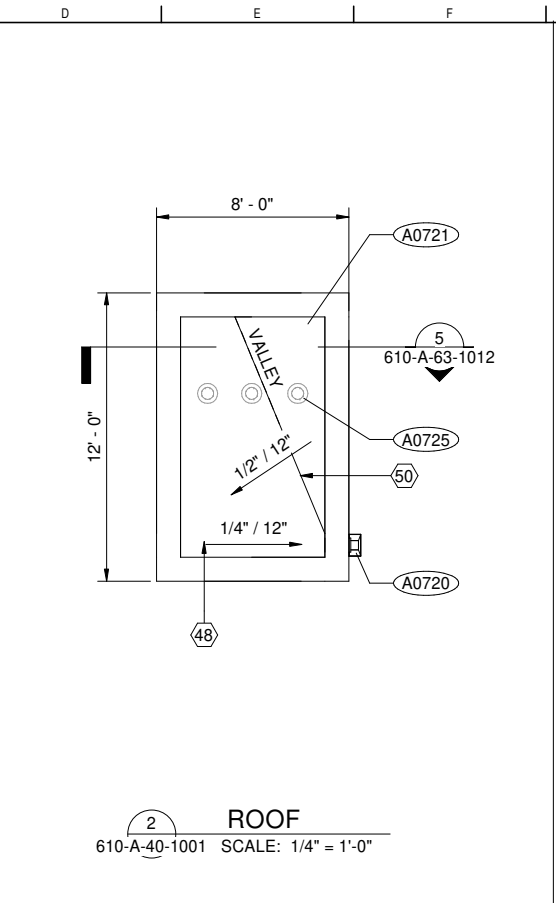


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

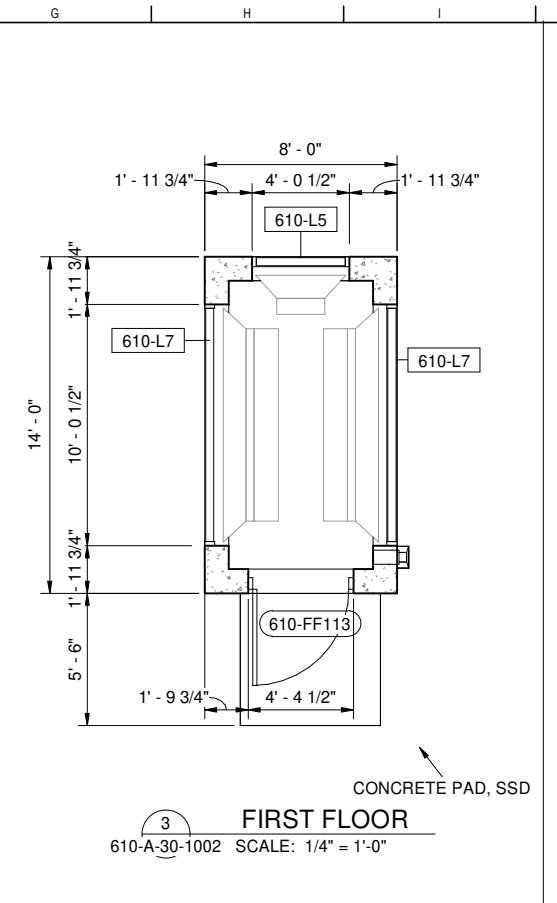
CONTRACT NO. WW-647R			
CITY AND COUNTY OF SAN FRANCISCO			
PUBLIC UTILITIES COMMISSION			
INFRASTRUCTURE DIVISION			
ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT			
BIOSOLIDS DIGESTER FACILITIES PROJECT			
610 - ANAEROBIC DIGESTION			
ELEVATOR SECTIONS			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	DATE	
	AS SHOWN	Oct 30, 2020	
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER		
PLAN NO.	DRAWING / FILE NO.	REVISION	
610-A-63-1011			



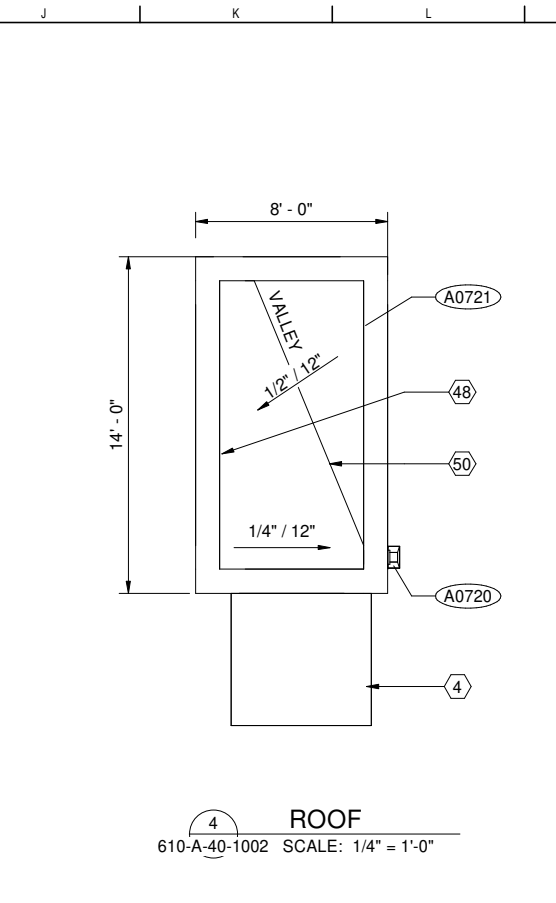
1 FIRST FLOOR
610-A-30-1001 SCALE: 1/4" = 1'-0"



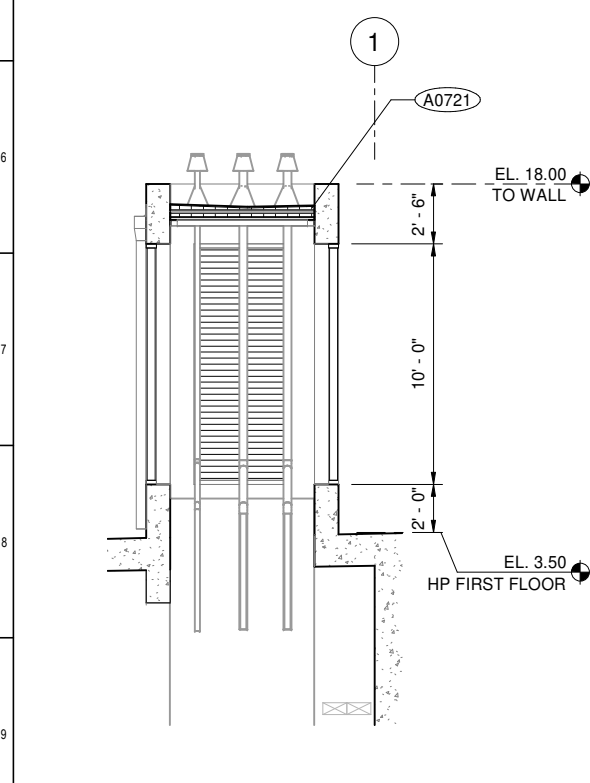
2 ROOF
610-A-40-1001 SCALE: 1/4" = 1'-0"



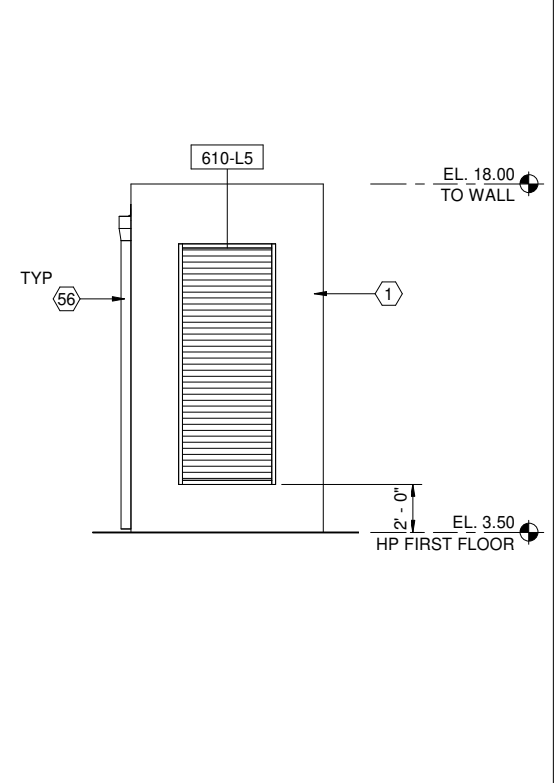
3 FIRST FLOOR
610-A-30-1002 SCALE: 1/4" = 1'-0"



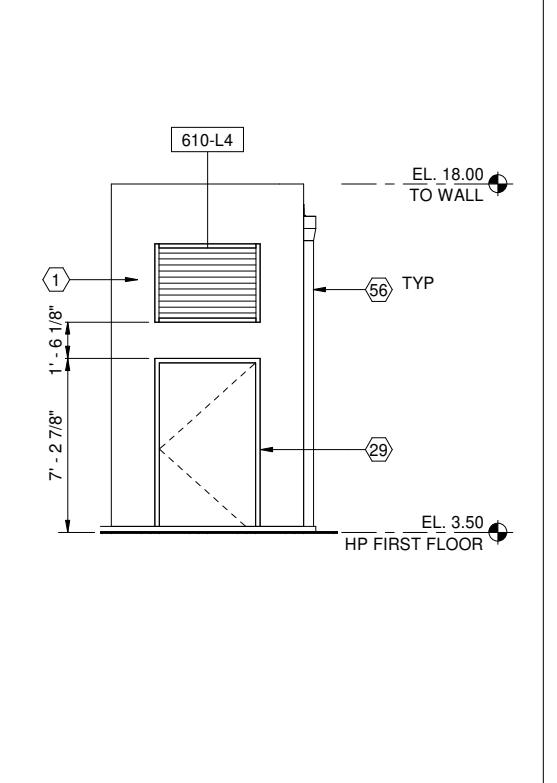
4 ROOF
610-A-40-1002 SCALE: 1/4" = 1'-0"



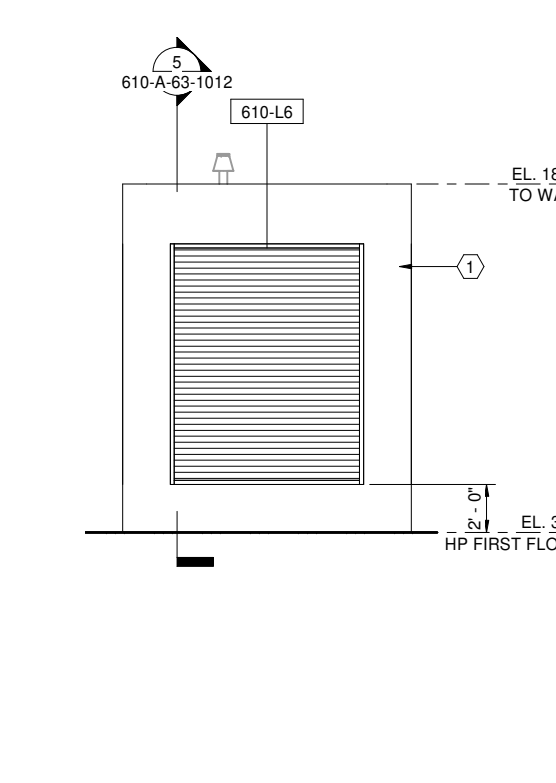
5 SECTION
610-A-63-1012 SCALE: 1/4" = 1'-0"



6 ELEVATION
610-A-05-2001 SCALE: 1/4" = 1'-0"



7 ELEVATION
610-A-05-2001 SCALE: 1/4" = 1'-0"



8 ELEVATION
610-A-05-2002 SCALE: 1/4" = 1'-0"

- ### GENERAL SHEET NOTES
- CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
 - LIQUID FLASHING AT HSS TUBE PENETRATIONS
 - LIQUID FLASHING, UNO SMD FOR MECHANICAL EQUIPMENT
 - SHVACD FOR HAVAC EQUIPMENT
 - SPD FOR PLUMBING EQUIPMENT
 - SODC FOR ODOR CONTROL EQUIPMENT

- ### SHEET KEY NOTES
- CAST IN PLACE CONCRETE, SSD
 - CONCRETE PAD, SSD
 - FRP DOOR AND FRAME, FR-1
 - SBS MODIFIED BITUMINOUS MEMBRANE
 - CRICKET WITH 1/2:12 SLOPE, TYP
 - PRIMARY SCUPPER AND CONDUCTOR, SEE A0720 DETAIL

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
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INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
MECH PENTHOUSE PARTIAL PLANS AND SECTIONS

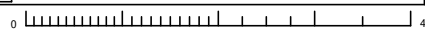
FOR CONSTRUCTION
Scope II

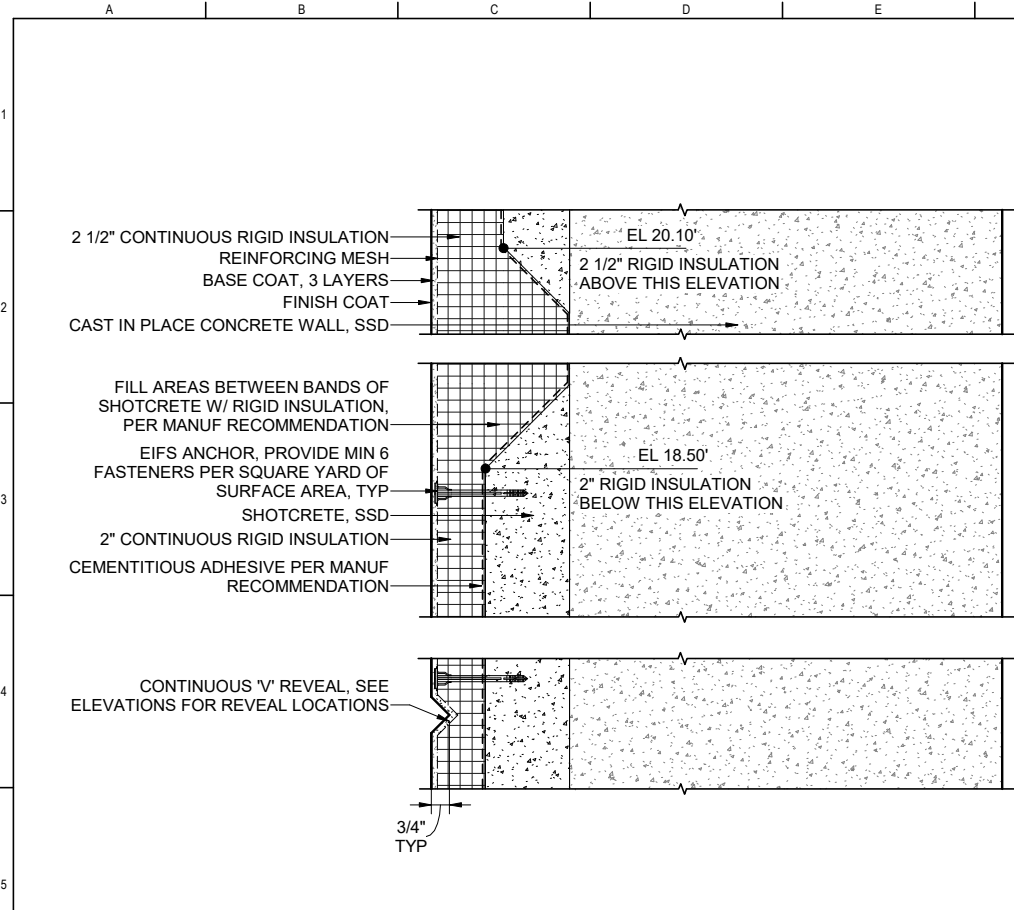
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ELEVATION DATUM
CITY

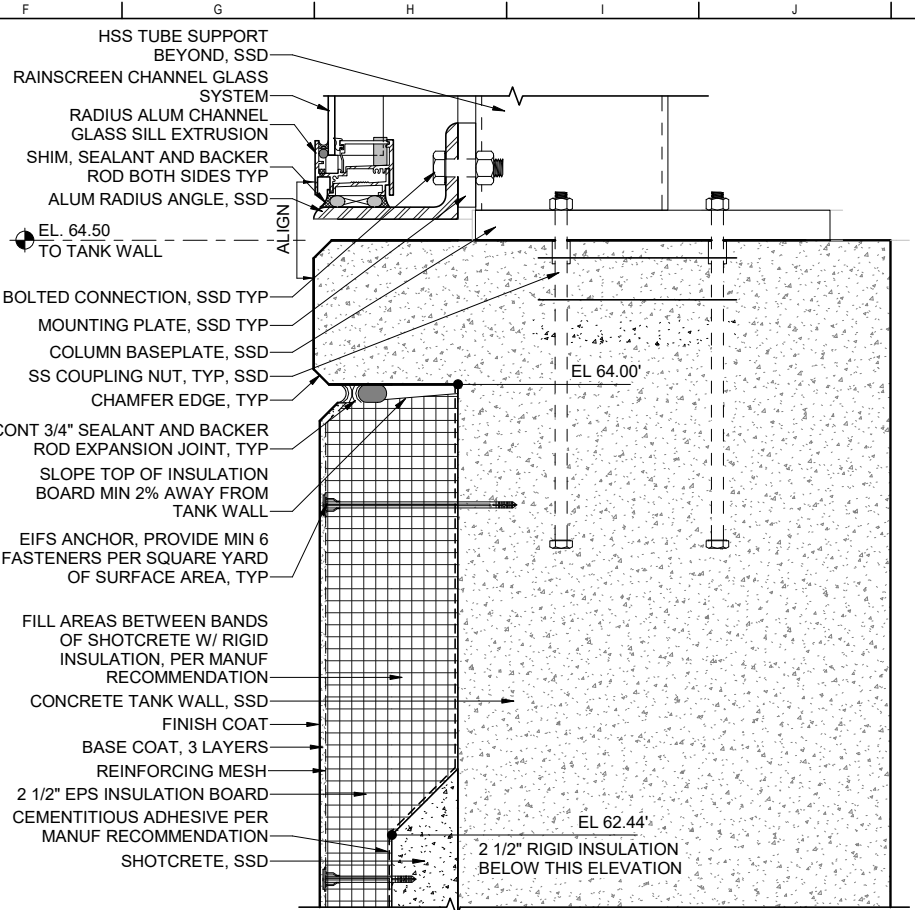


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT	SECTION MANAGER	DESIGNED
PROJECT MANAGER T. STIGERS	DESIGNED A. HARM	WWW O&M MANAGER	SCALE AS SHOWN
APPROVED J. MCGRAW	CHECKED G. ROBLEY	DATE Oct 30, 2020	REVISIONS
NO. DATE DESCRIPTION BY APPD		APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		WWW ENGINEERING MANAGER	
PLAN NO. 610-A-63-1012		DRAWING / FILE NO.	

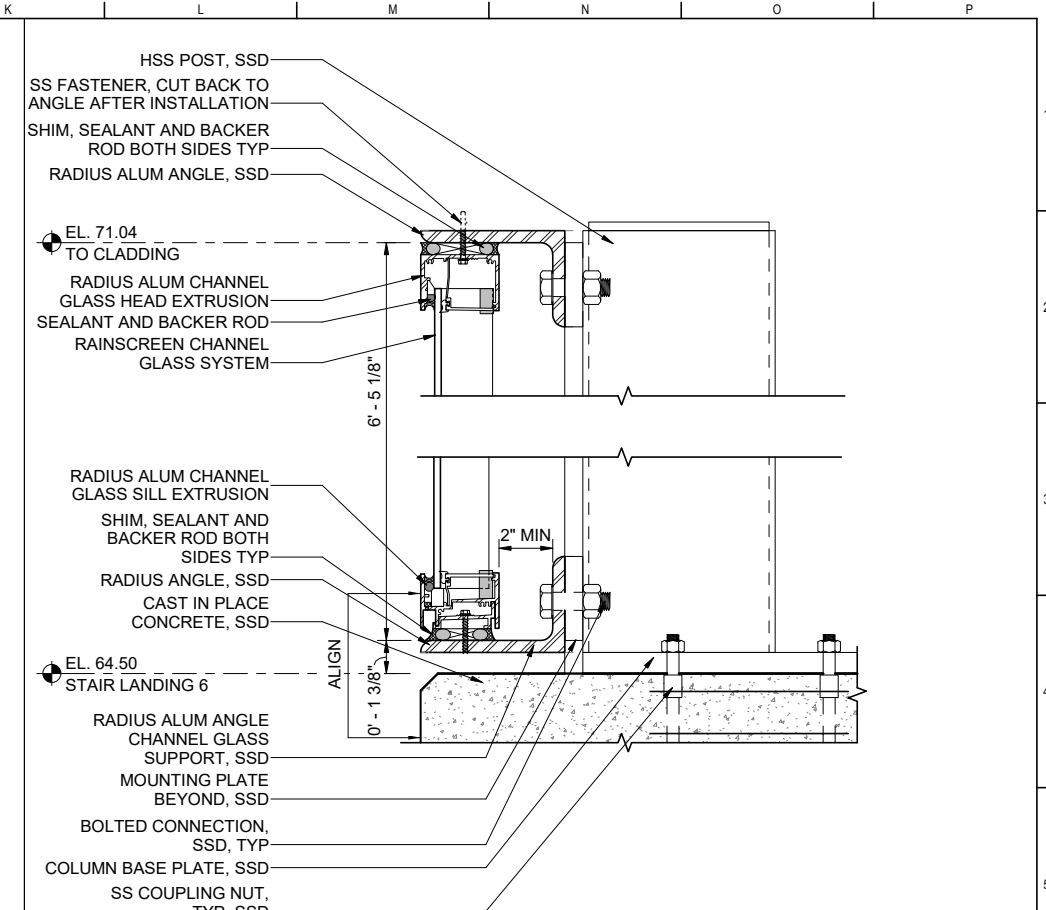




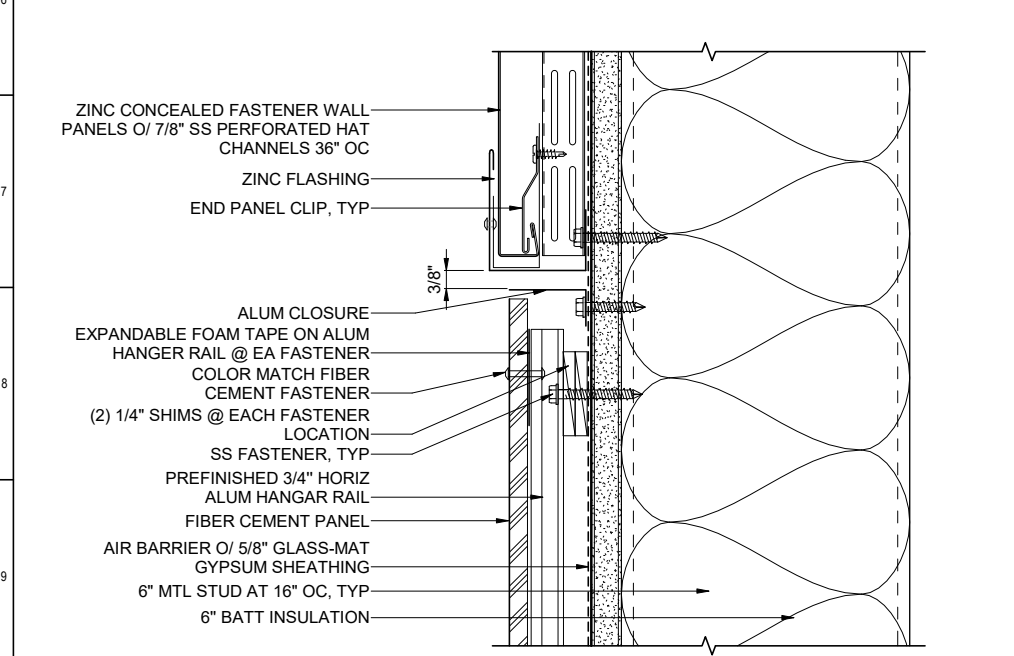
1 DETAIL
610-A-05-3008 SCALE: 3" = 1'-0"



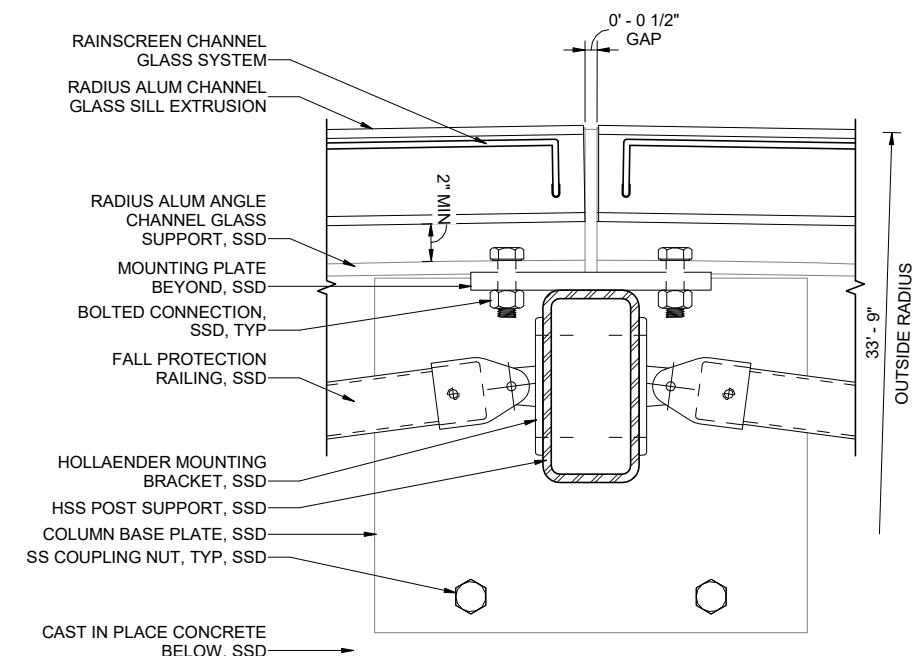
2 DETAIL
610-A-05-3008 SCALE: 3" = 1'-0"



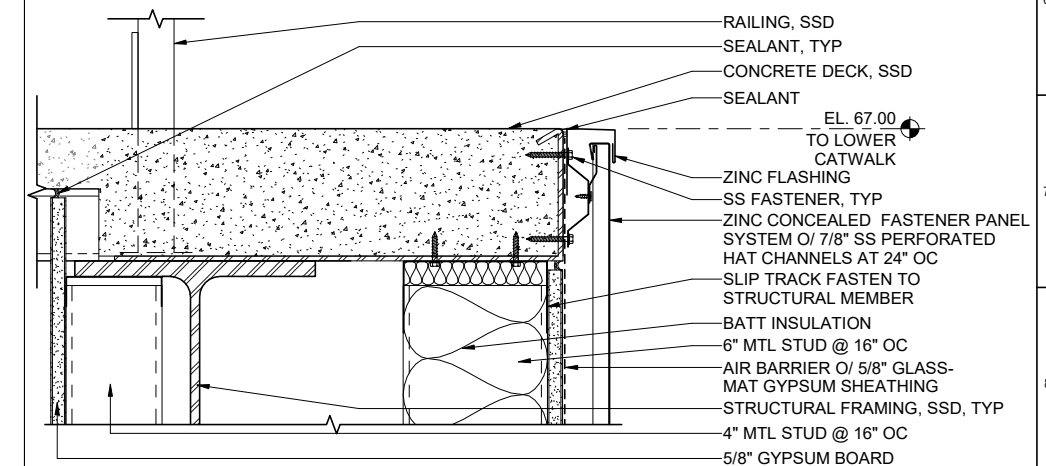
3 DETAIL
610-A-05-3008 SCALE: 3" = 1'-0"



4 DETAIL
610-A-63-1001 SCALE: 6" = 1'-0"



5 DETAIL
610-A-40-1001 SCALE: 3" = 1'-0"



6 DETAIL
610-A-63-1002 SCALE: 3" = 1'-0"

FOR CONSTRUCTION
Scope II

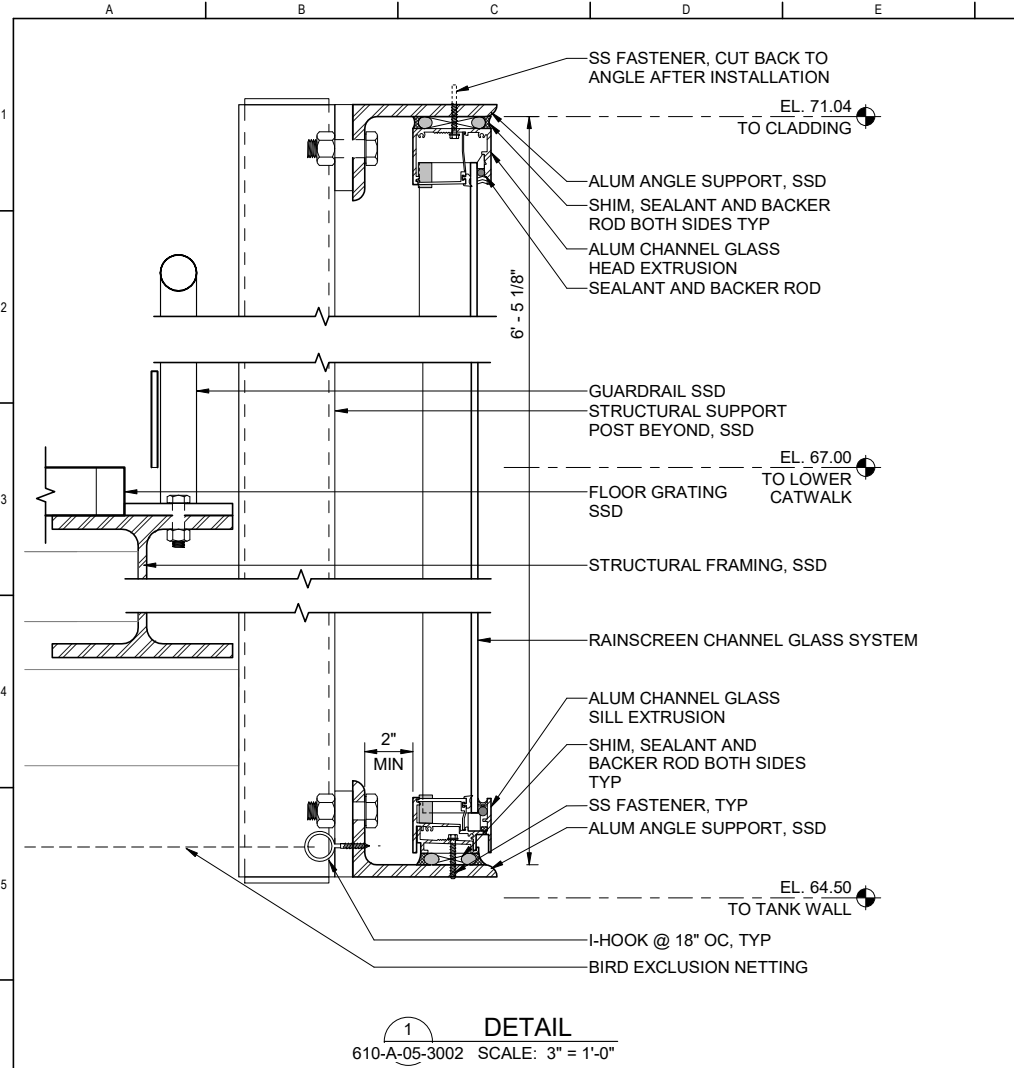
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ELEVATION DATUM
CITY

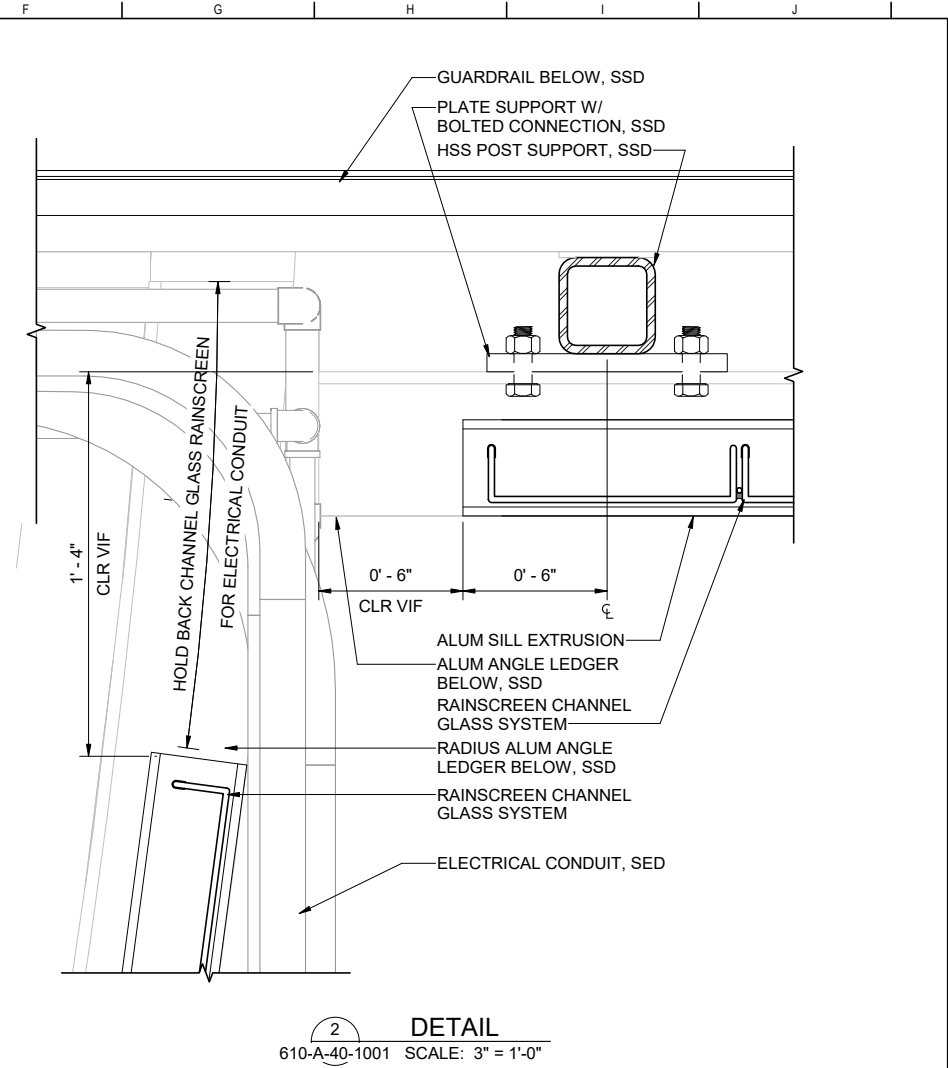


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

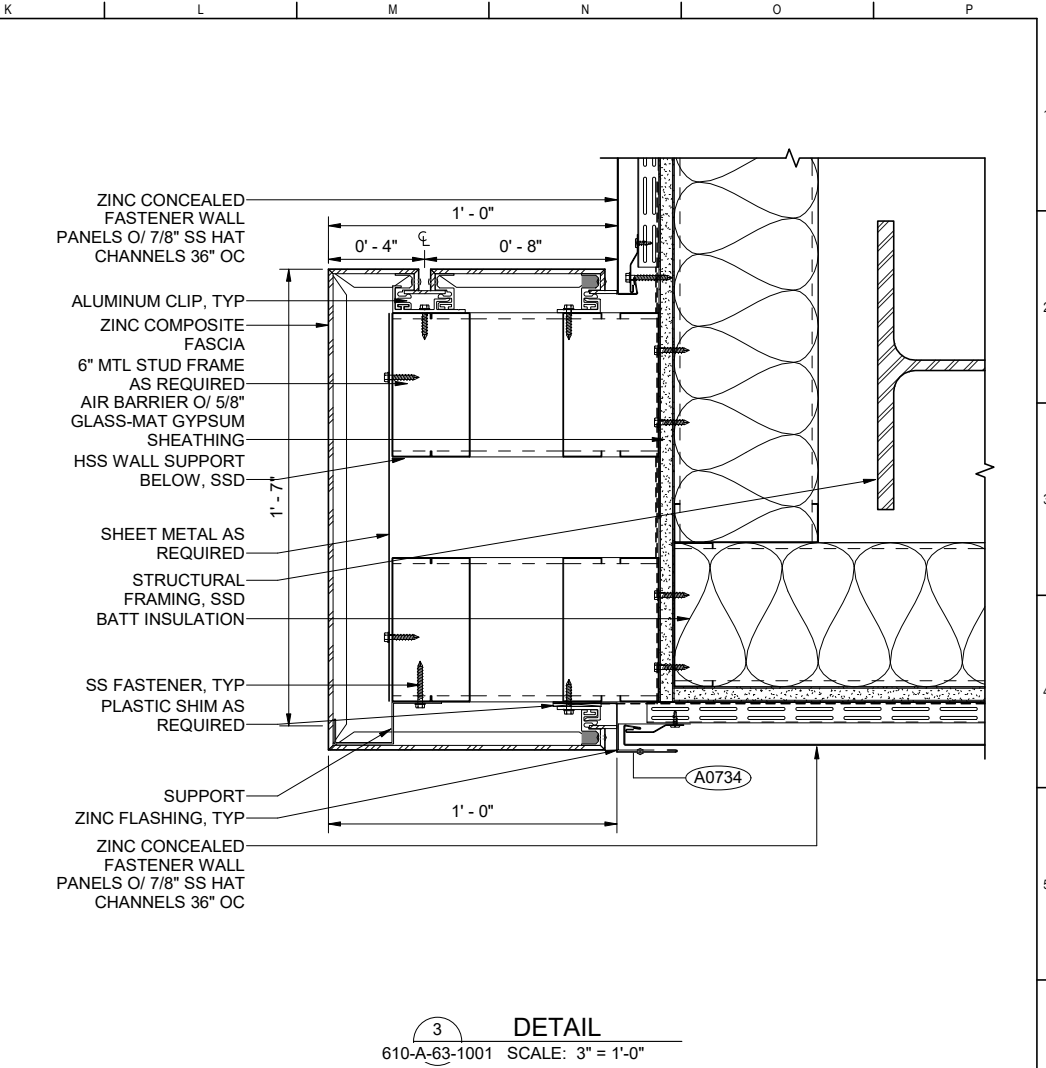
CONTRACT NO. WW-647R			
CITY AND COUNTY OF SAN FRANCISCO			
PUBLIC UTILITIES COMMISSION			
INFRASTRUCTURE DIVISION			
ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT			
BIOSOLIDS DIGESTER FACILITIES PROJECT			
610 - ANAEROBIC DIGESTION			
DETAILS			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	DATE	
	AS SHOWN	Oct 30, 2020	
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER		
PLAN NO.	DRAWING / FILE NO.	REVISION	
610-A-69-5001			



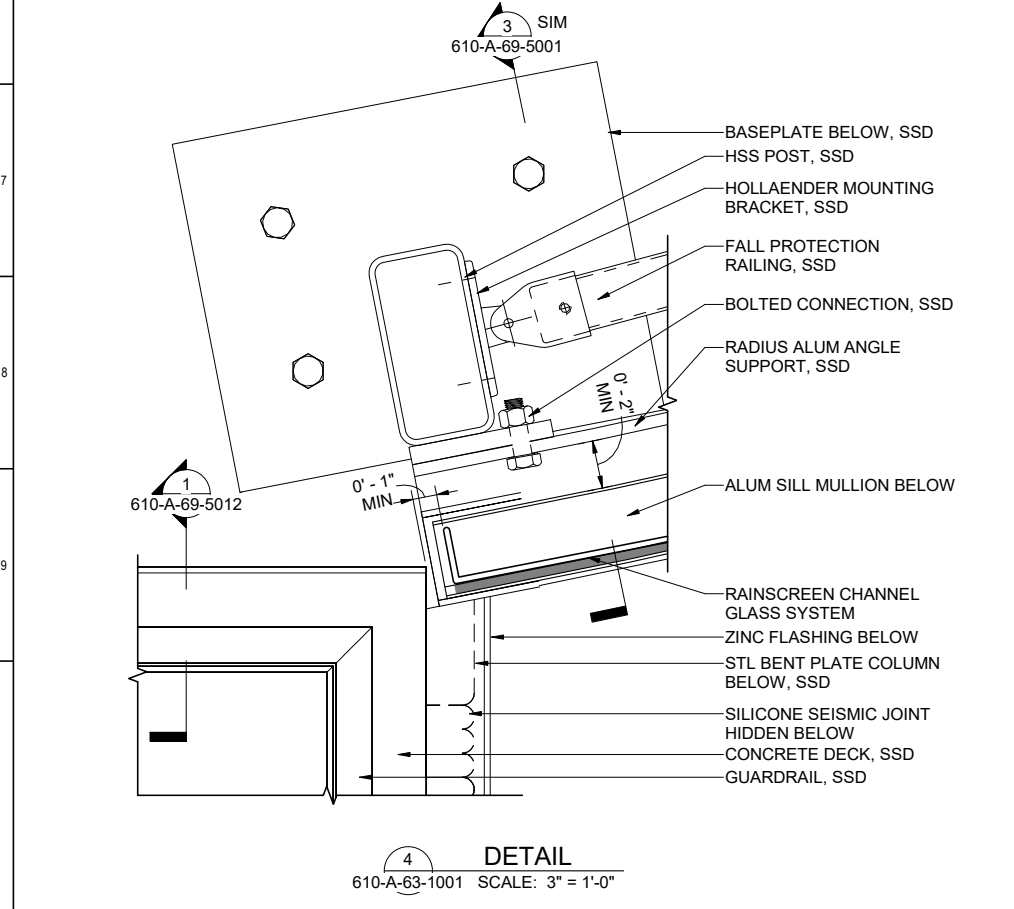
1 DETAIL
610-A-05-3002 SCALE: 3" = 1'-0"



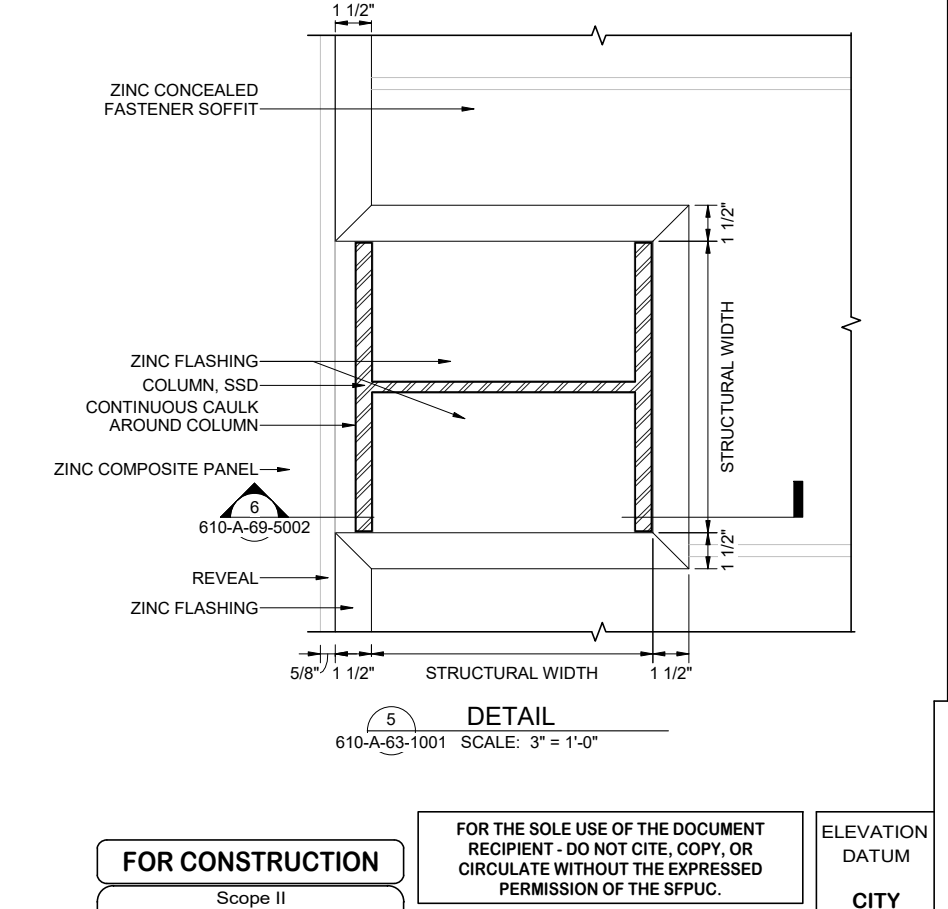
2 DETAIL
610-A-40-1001 SCALE: 3" = 1'-0"



3 DETAIL
610-A-63-1001 SCALE: 3" = 1'-0"



4 DETAIL
610-A-63-1001 SCALE: 3" = 1'-0"



5 DETAIL
610-A-63-1001 SCALE: 3" = 1'-0"

STRUCTURAL DEPTH

FASTENER, TYP
COLUMN, SSD
LIGHT GAUGE ANGLES
BLOCK AS REQ'D

5/8"

ZINC COMPOSITE PANEL
ZINC FLASHING
ZINC SOFFIT PANEL

6 DETAIL
610-A-69-5002 SCALE: 6" = 1'-0"

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION
DETAILS

BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM
Brown and Caldwell **ch2m**
BLACK & VEATCH

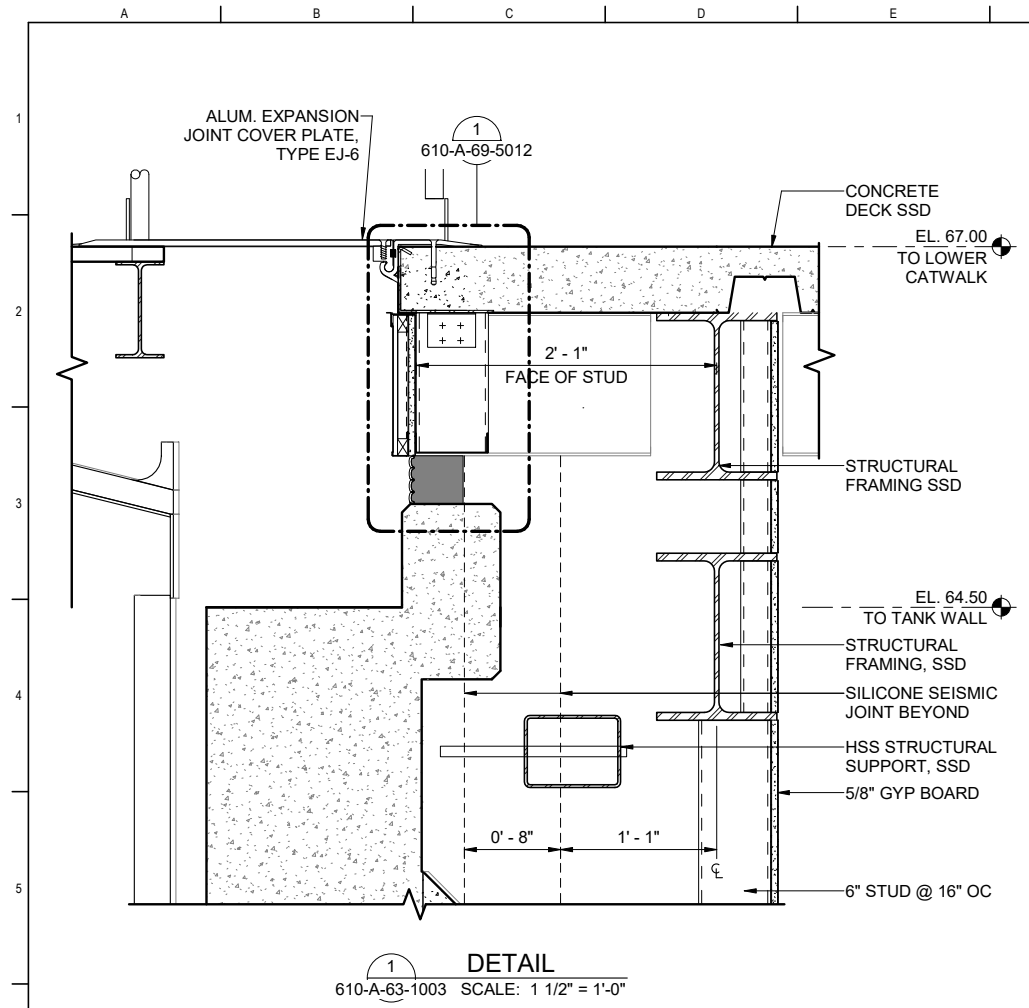
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT	CHECKED / APPROVED	DRAWN
PROJECT MANAGER T. STIGERS	DESIGNED A. HARM	SECTION MANAGER	DESIGNED
APPROVED J. MCGRAW	CHECKED G. ROBLEY	WWE O&M MANAGER	SCALE AS SHOWN
		DATE	Oct 30, 2020
		APPROVED	APPROVED
		MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
		PLAN NO.	DRAWING / FILE NO.
			610-A-69-5002
		REVISIONS	REVISION

FOR CONSTRUCTION
Scope II

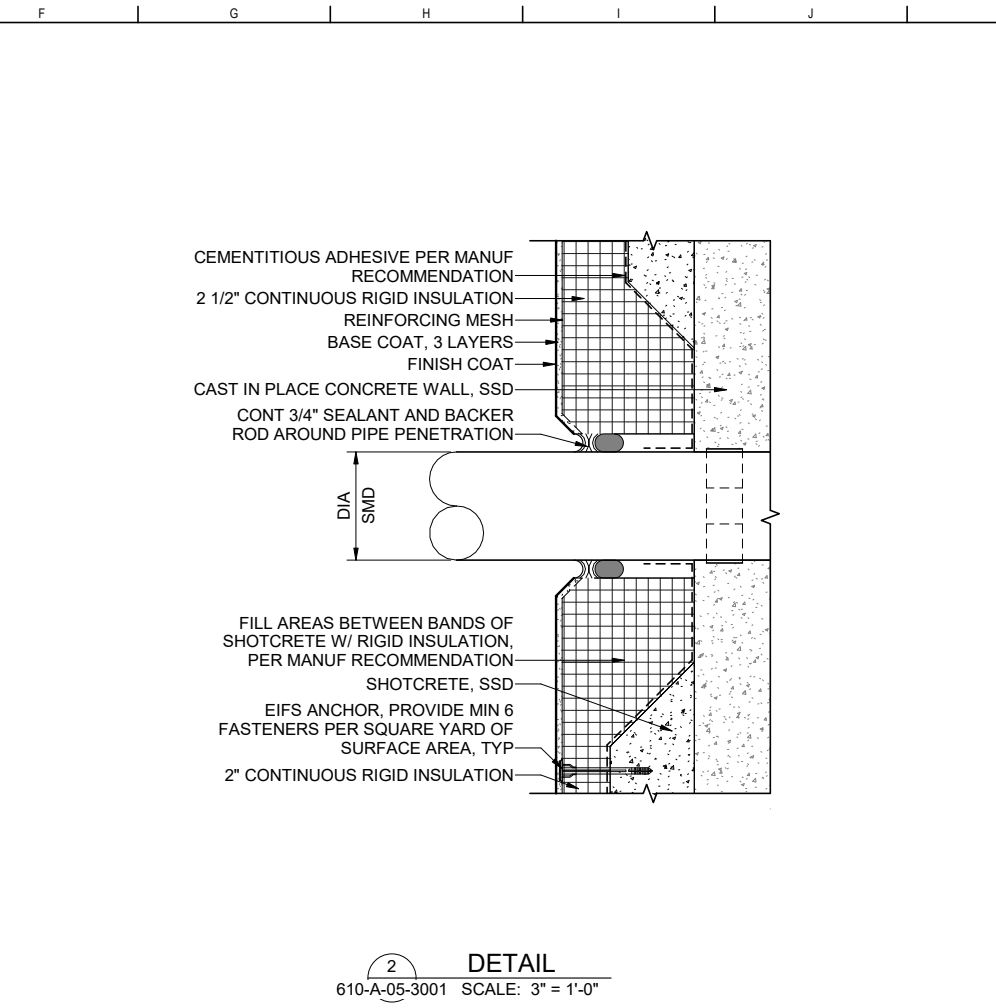
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ELEVATION DATUM
CITY

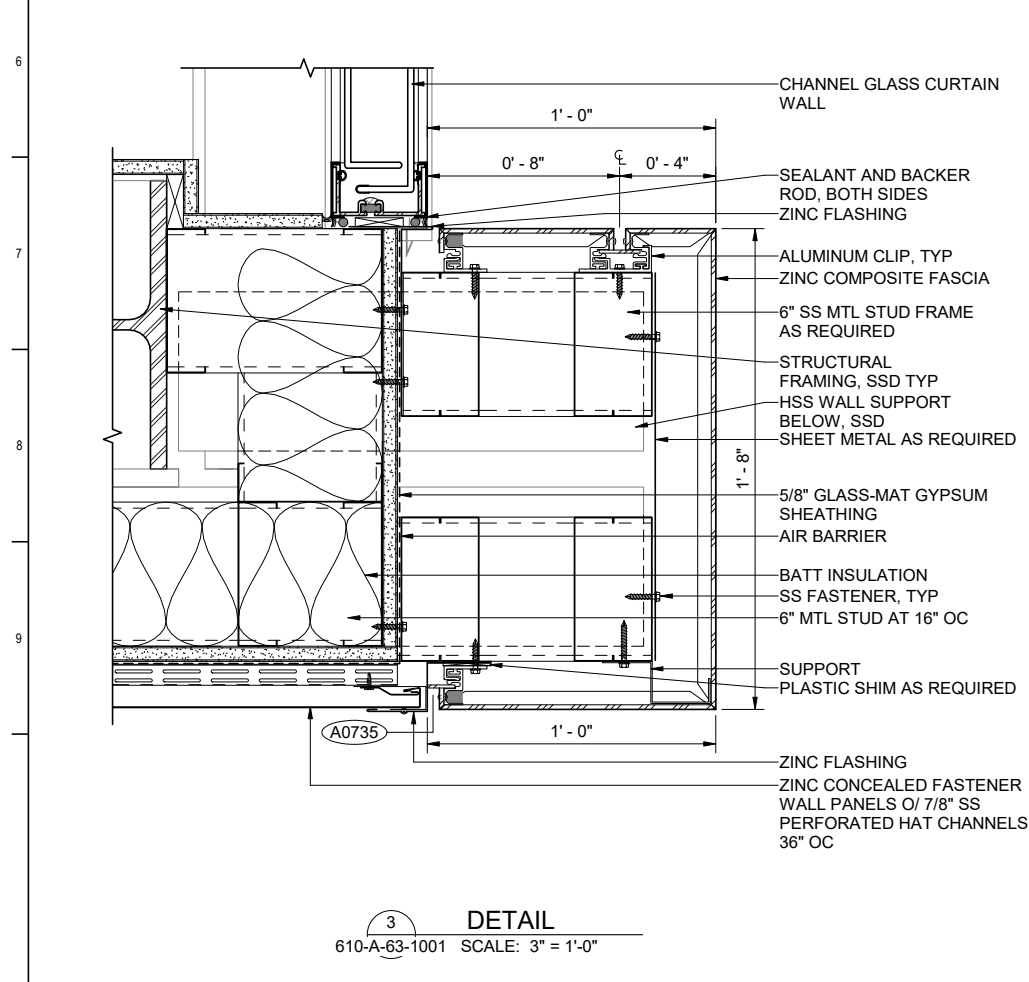
STATE OF CALIFORNIA
LICENSED ARCHITECT
TERRY J. MCGRAW
No. C-24100
Exp. 02-28-2021



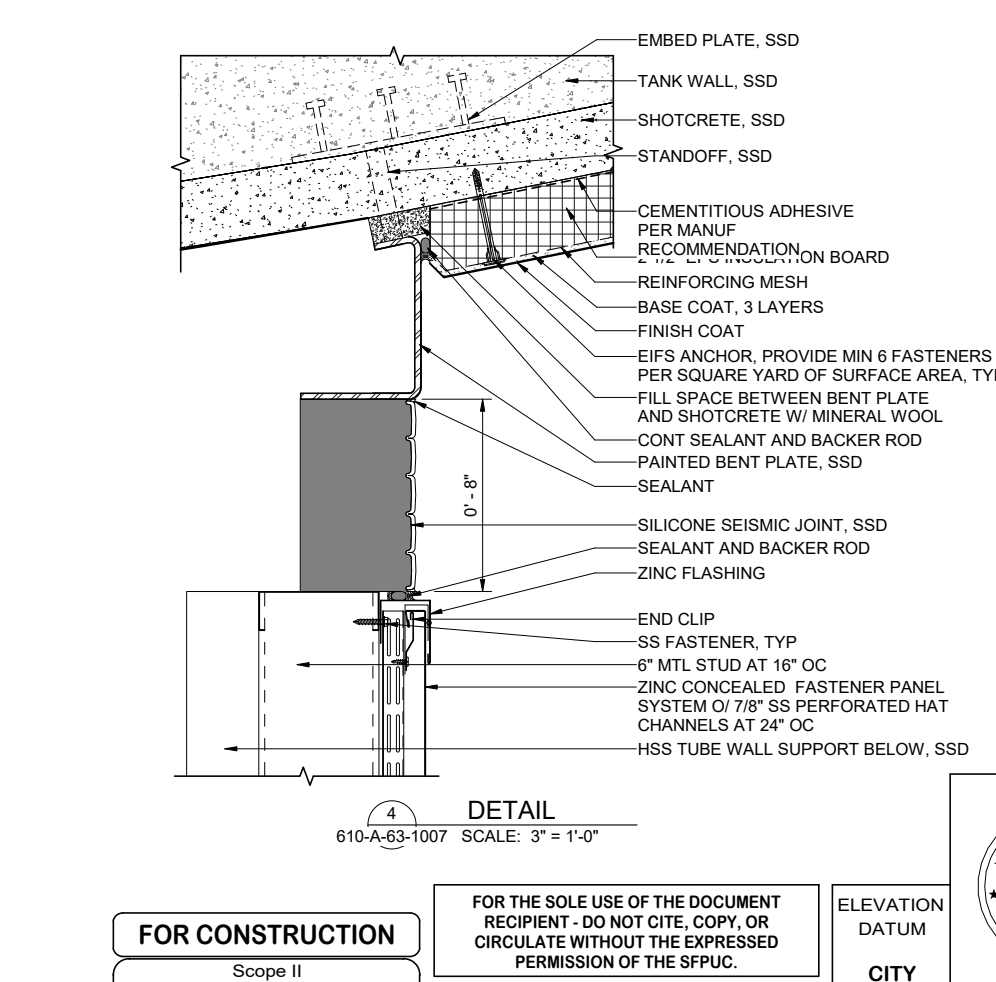
1 DETAIL
610-A-63-1003 SCALE: 1 1/2" = 1'-0"



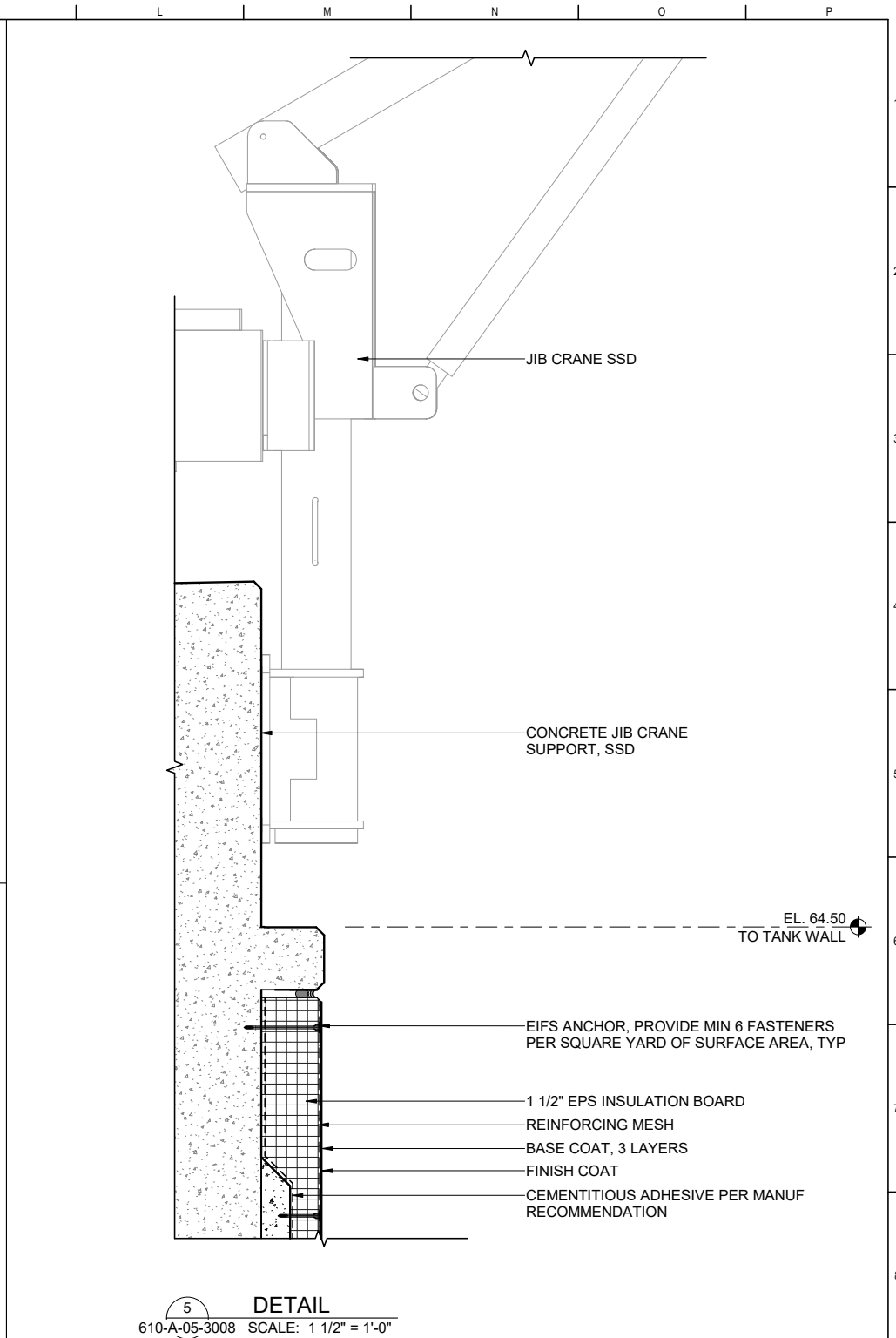
2 DETAIL
610-A-05-3001 SCALE: 3" = 1'-0"



3 DETAIL
610-A-63-1001 SCALE: 3" = 1'-0"



4 DETAIL
610-A-63-1007 SCALE: 3" = 1'-0"



5 DETAIL
610-A-05-3008 SCALE: 1 1/2" = 1'-0"

FOR CONSTRUCTION
Scope II

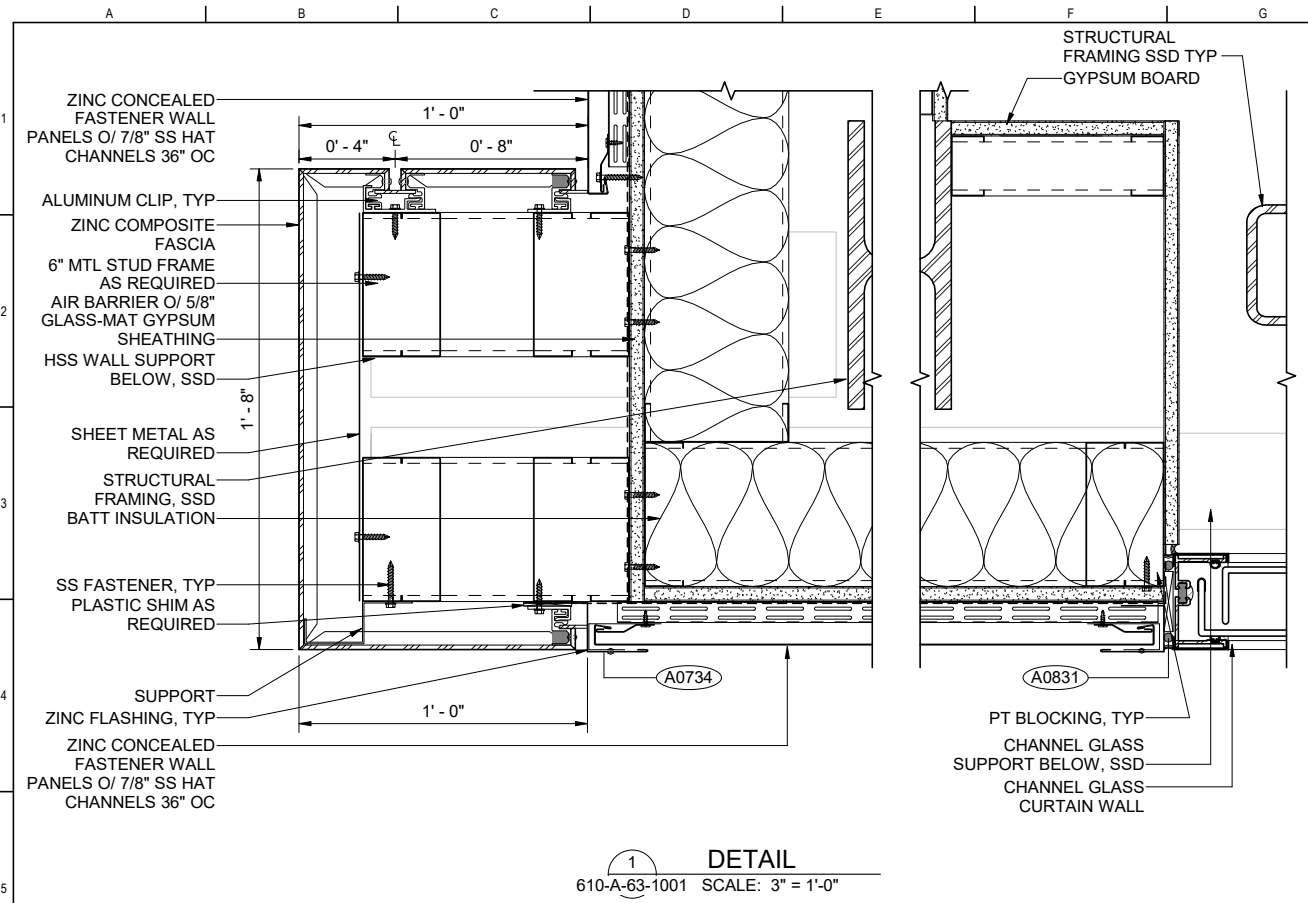
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ELEVATION DATUM
CITY

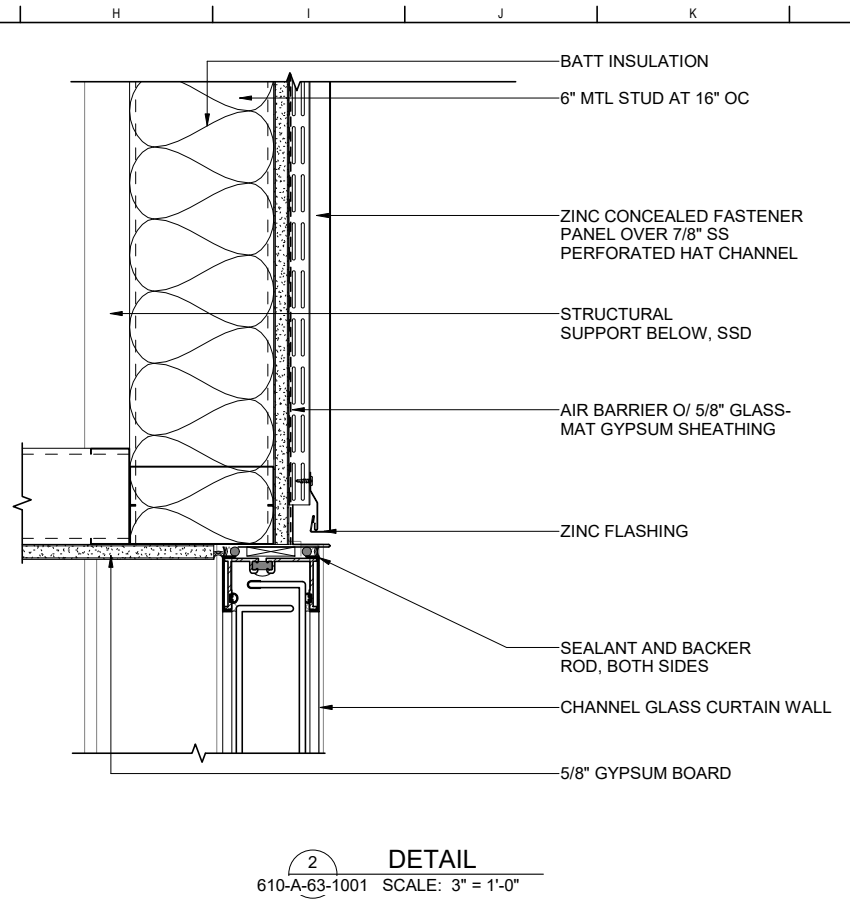


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER D. GREEN	DRAWN D. ELLIOT	CHECKED / APPROVED	DRAWN
PROJECT MANAGER T. STIGERS	DESIGNED A. HARM	SECTION MANAGER	DESIGNED
APPROVED J. MCGRAW	CHECKED G. ROBLEY	WWW O&M MANAGER	SCALE AS SHOWN
		DATE	Oct 30, 2020
NO. DATE DESCRIPTION		BY	APPROVED
REVISIONS			

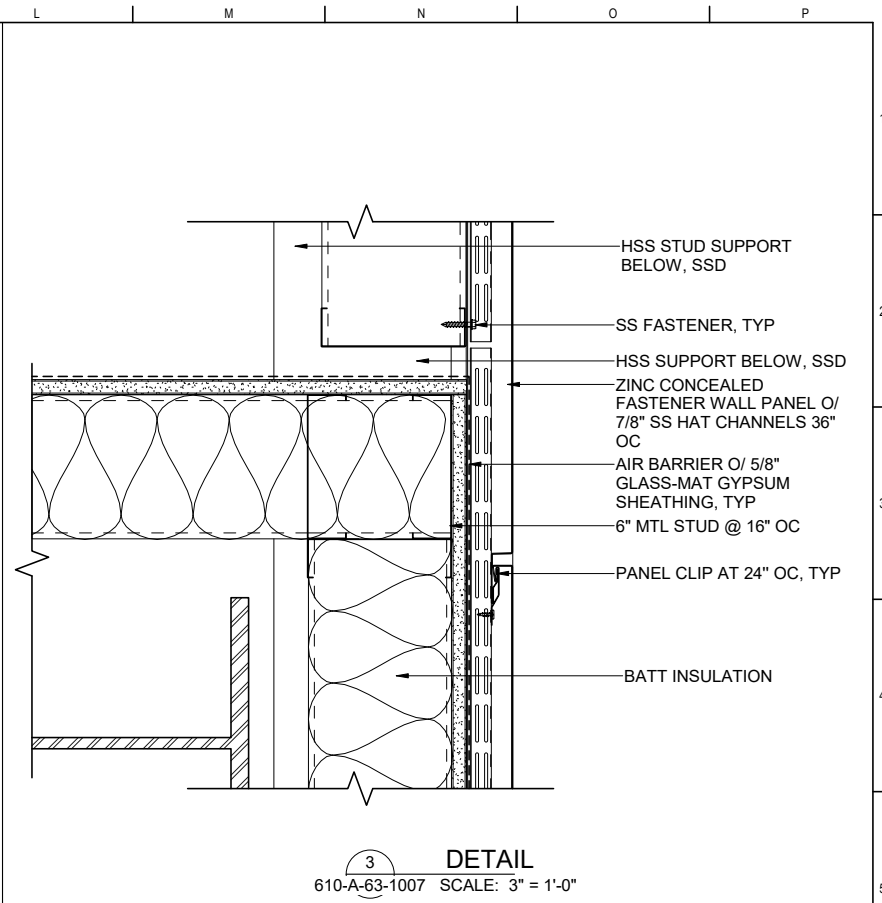
CONTRACT NO. WW-647R		
CITY AND COUNTY OF SAN FRANCISCO		
PUBLIC UTILITIES COMMISSION		
INFRASTRUCTURE DIVISION		
ENGINEERING MANAGEMENT BUREAU		
SOUTHEAST WATER POLLUTION CONTROL PLANT		
BIOSOLIDS DIGESTER FACILITIES PROJECT		
610 - ANAEROBIC DIGESTION		
DETAILS		
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION
610-A-69-5004		



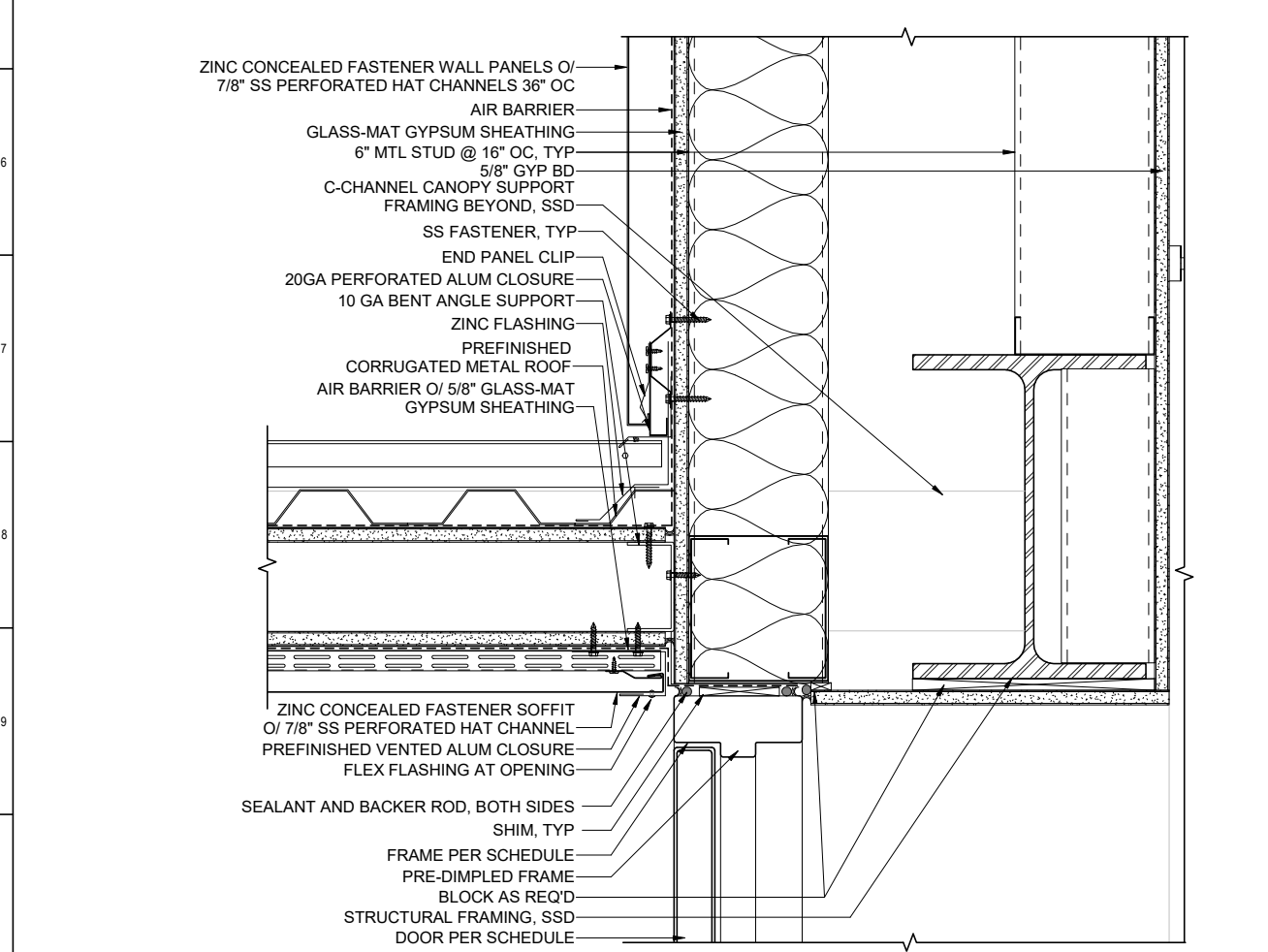
1 DETAIL
610-A-63-1001 SCALE: 3" = 1'-0"



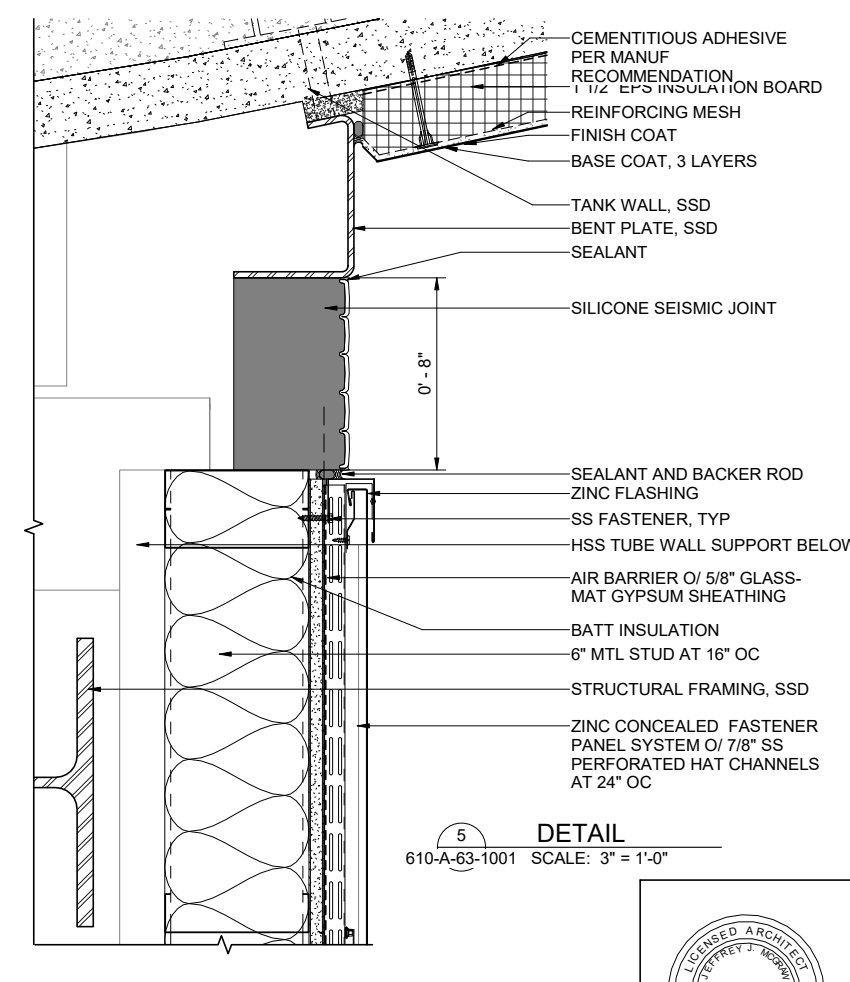
2 DETAIL
610-A-63-1001 SCALE: 3" = 1'-0"



3 DETAIL
610-A-63-1007 SCALE: 3" = 1'-0"



4 DETAIL
610-A-63-1004 SCALE: 3" = 1'-0"



5 DETAIL
610-A-63-1001 SCALE: 3" = 1'-0"

FOR CONSTRUCTION
Scope II

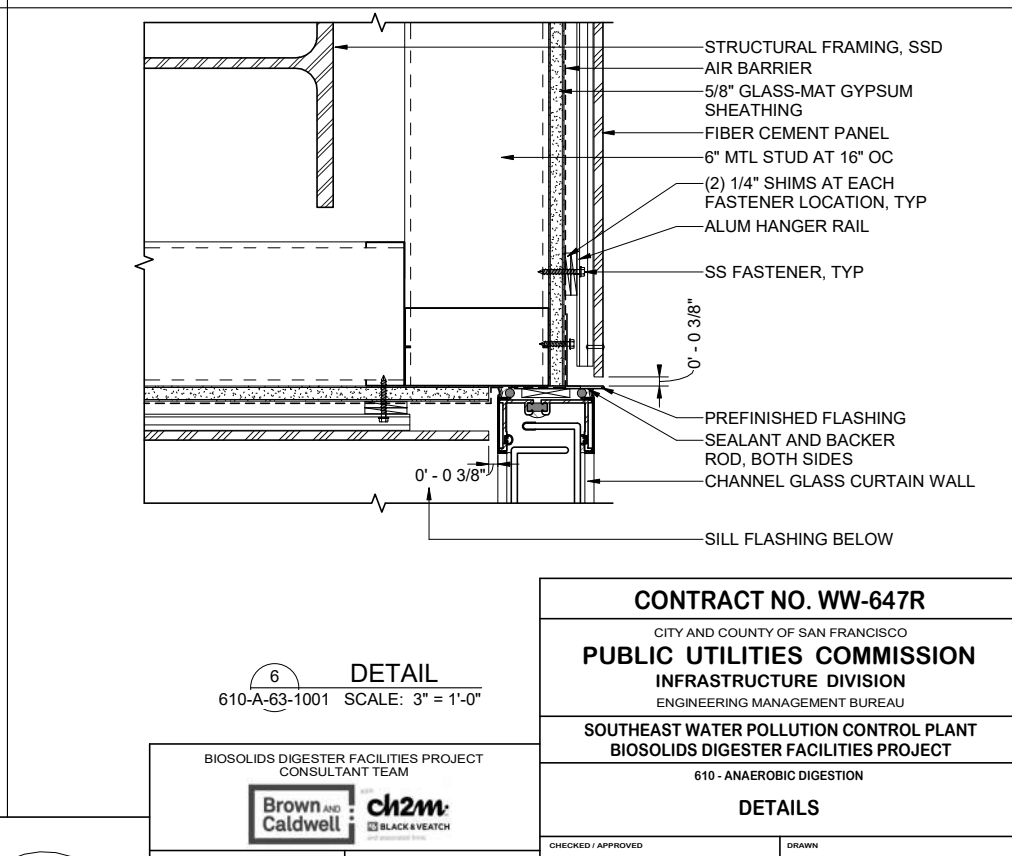
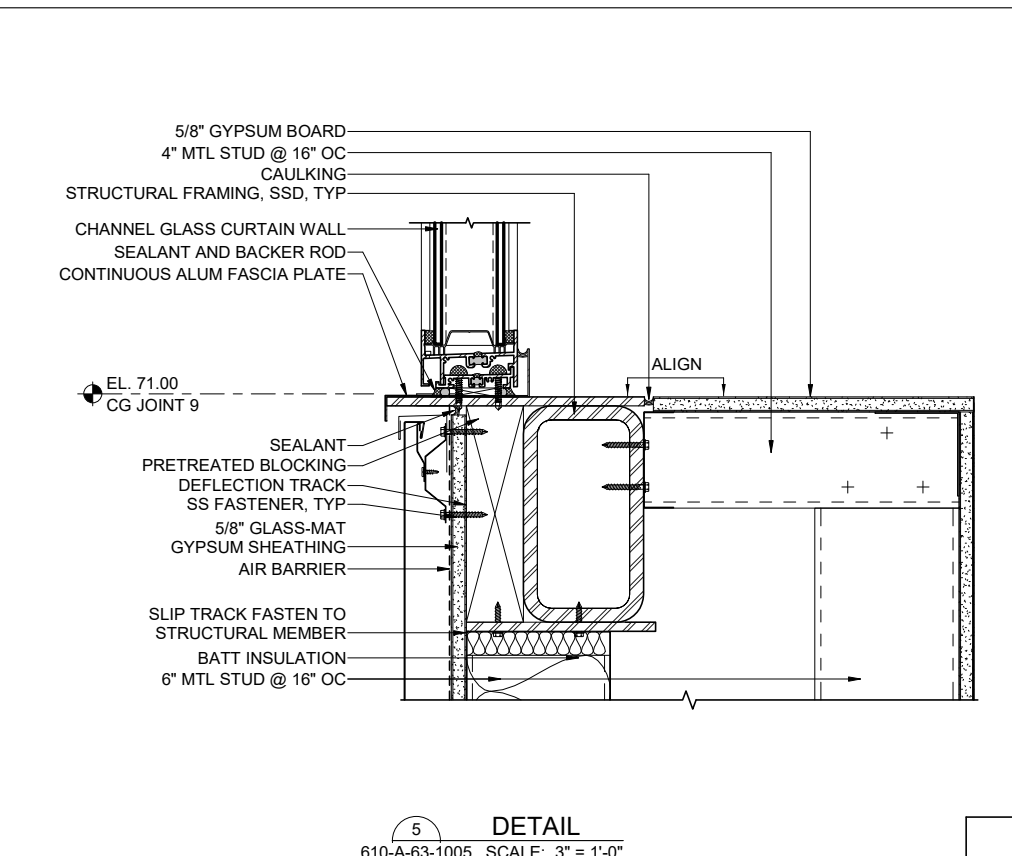
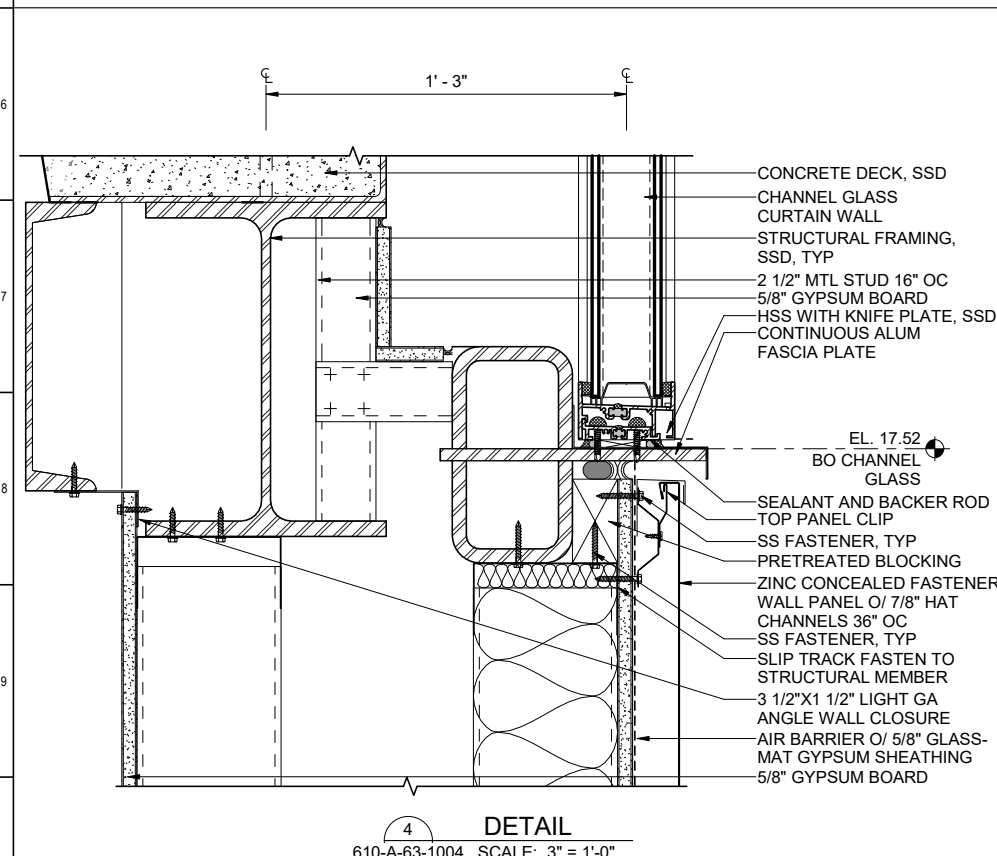
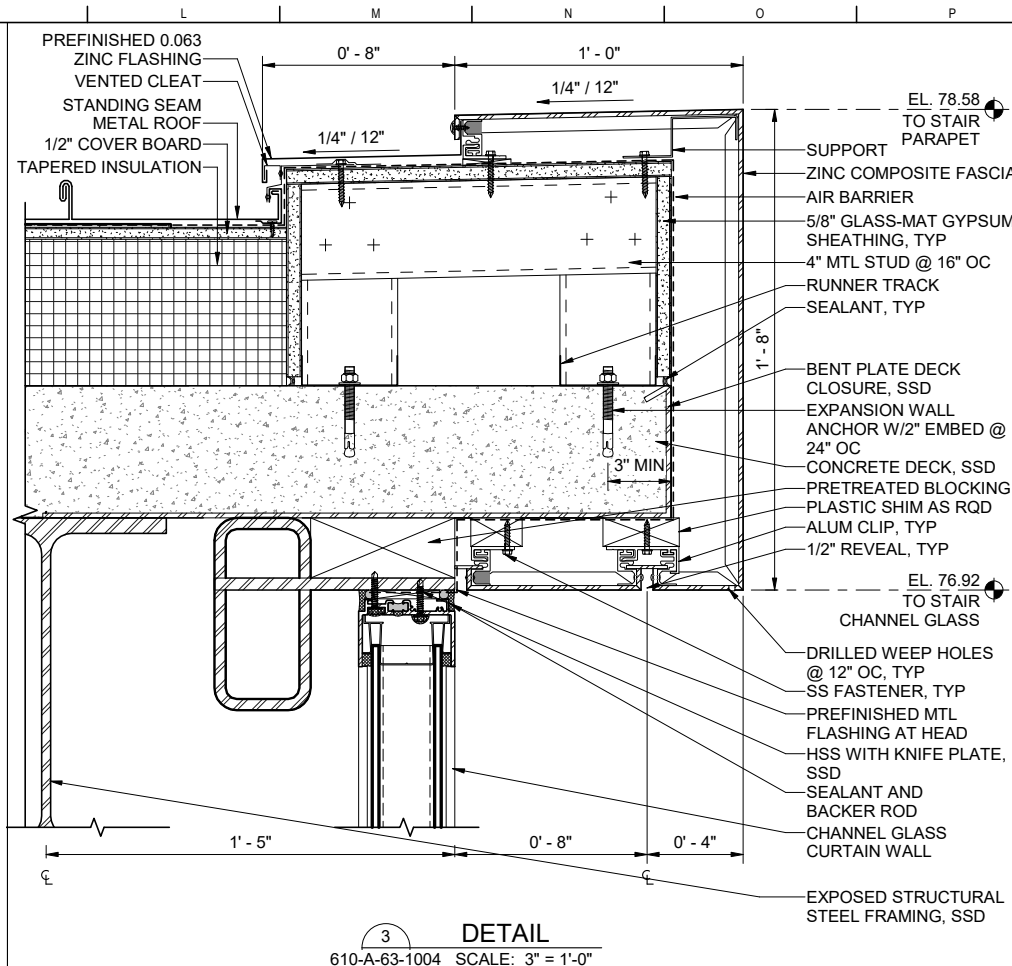
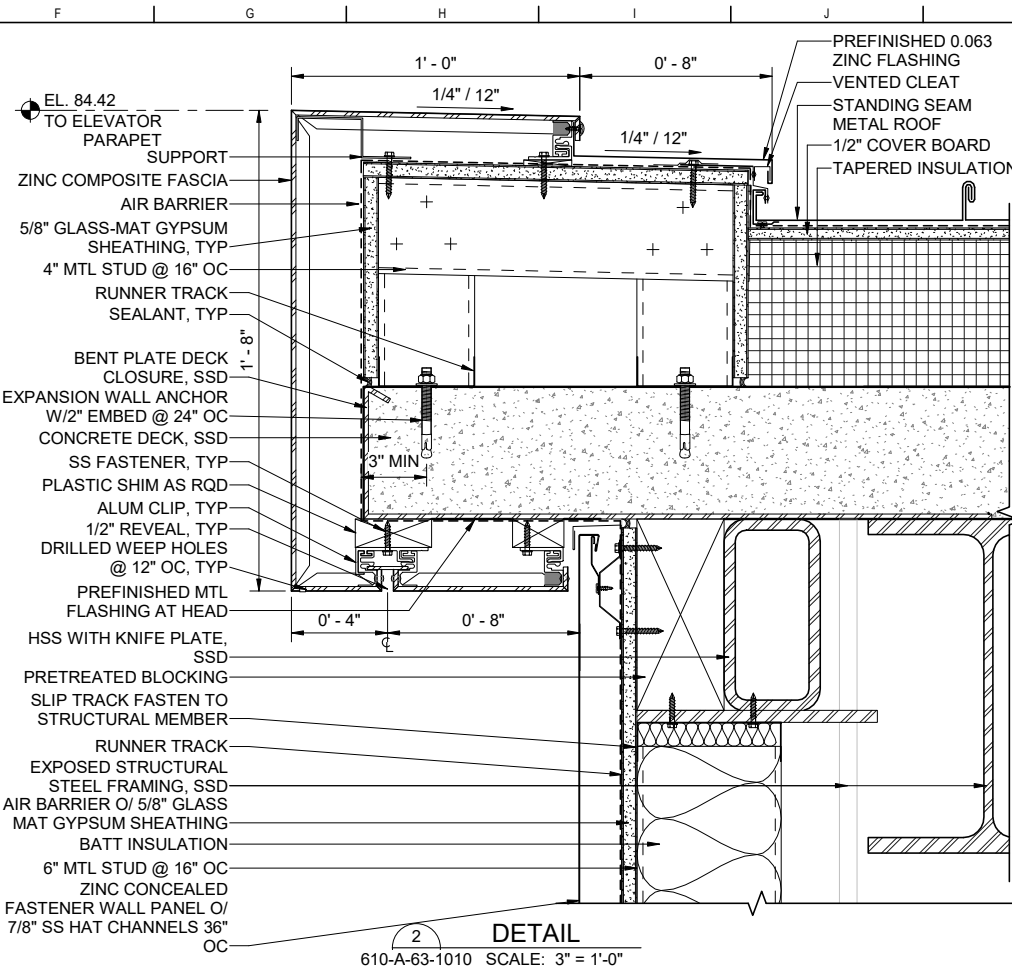
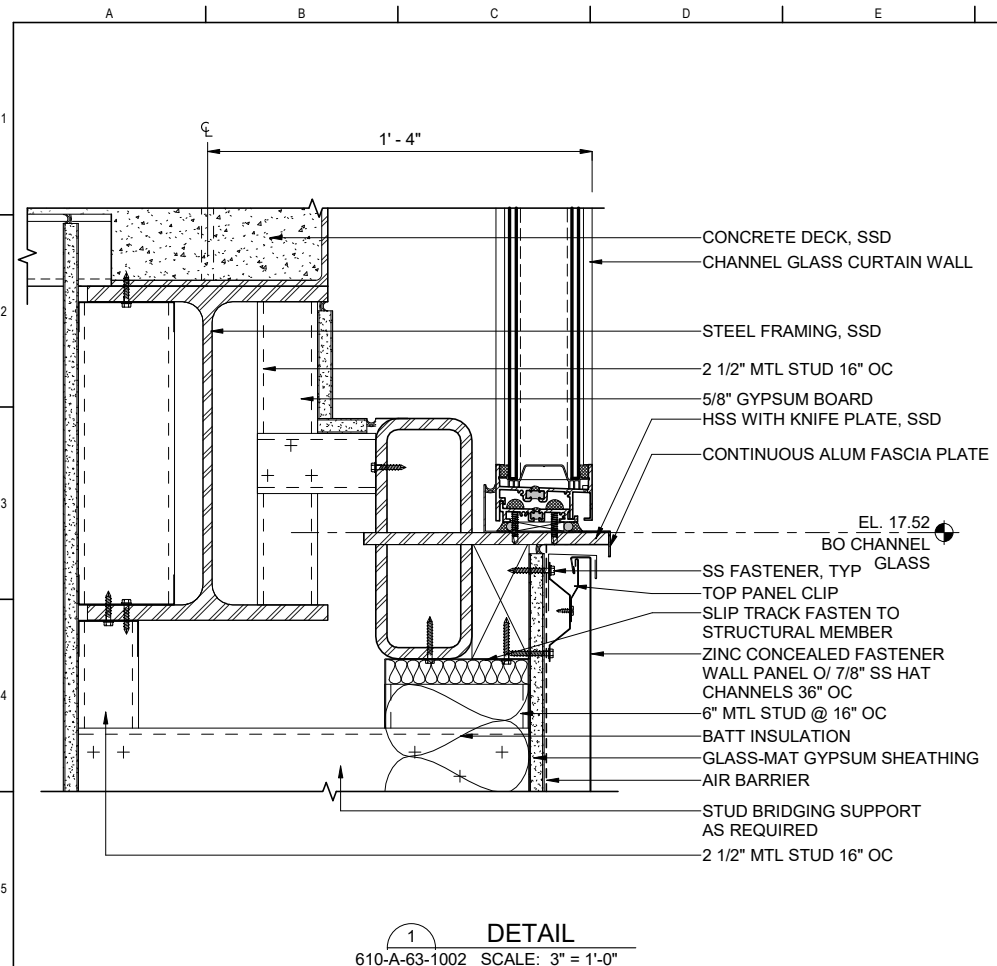
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ELEVATION DATUM
CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.		DATE	
DESCRIPTION		BY	
REVISIONS		APPROVED	

CONTRACT NO. WW-647R			
CITY AND COUNTY OF SAN FRANCISCO			
PUBLIC UTILITIES COMMISSION			
INFRASTRUCTURE DIVISION			
ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT			
BIOSOLIDS DIGESTER FACILITIES PROJECT			
610 - ANAEROBIC DIGESTION			
DETAILS			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWW O&M MANAGER	SCALE	DATE	
	AS SHOWN	Oct 30, 2020	
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU		WWW ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.		REVISION
610-A-69-5005			



CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.		DATE	DESCRIPTION
			REVISIONS

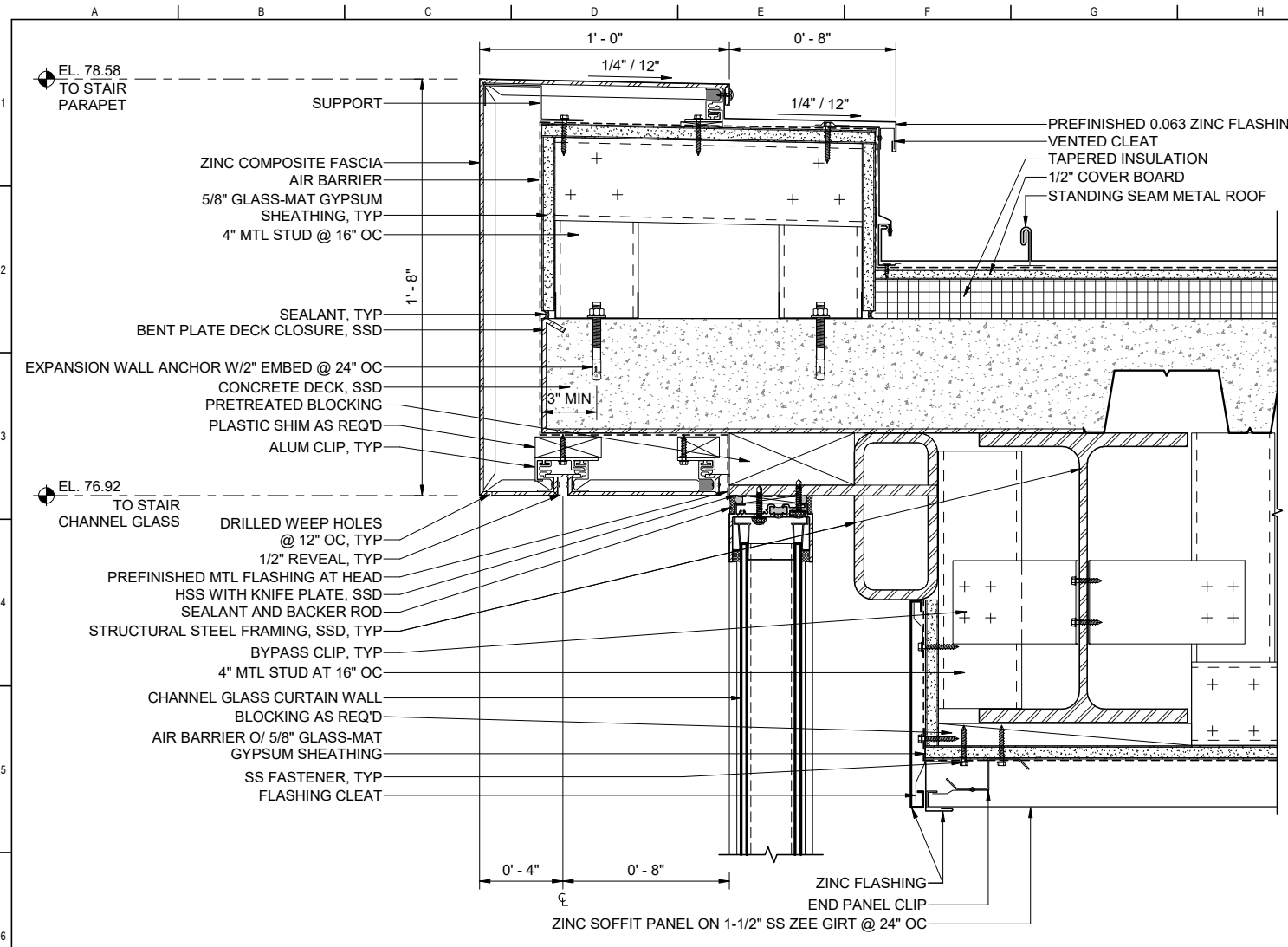
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
610-A-69-5006	REVISION



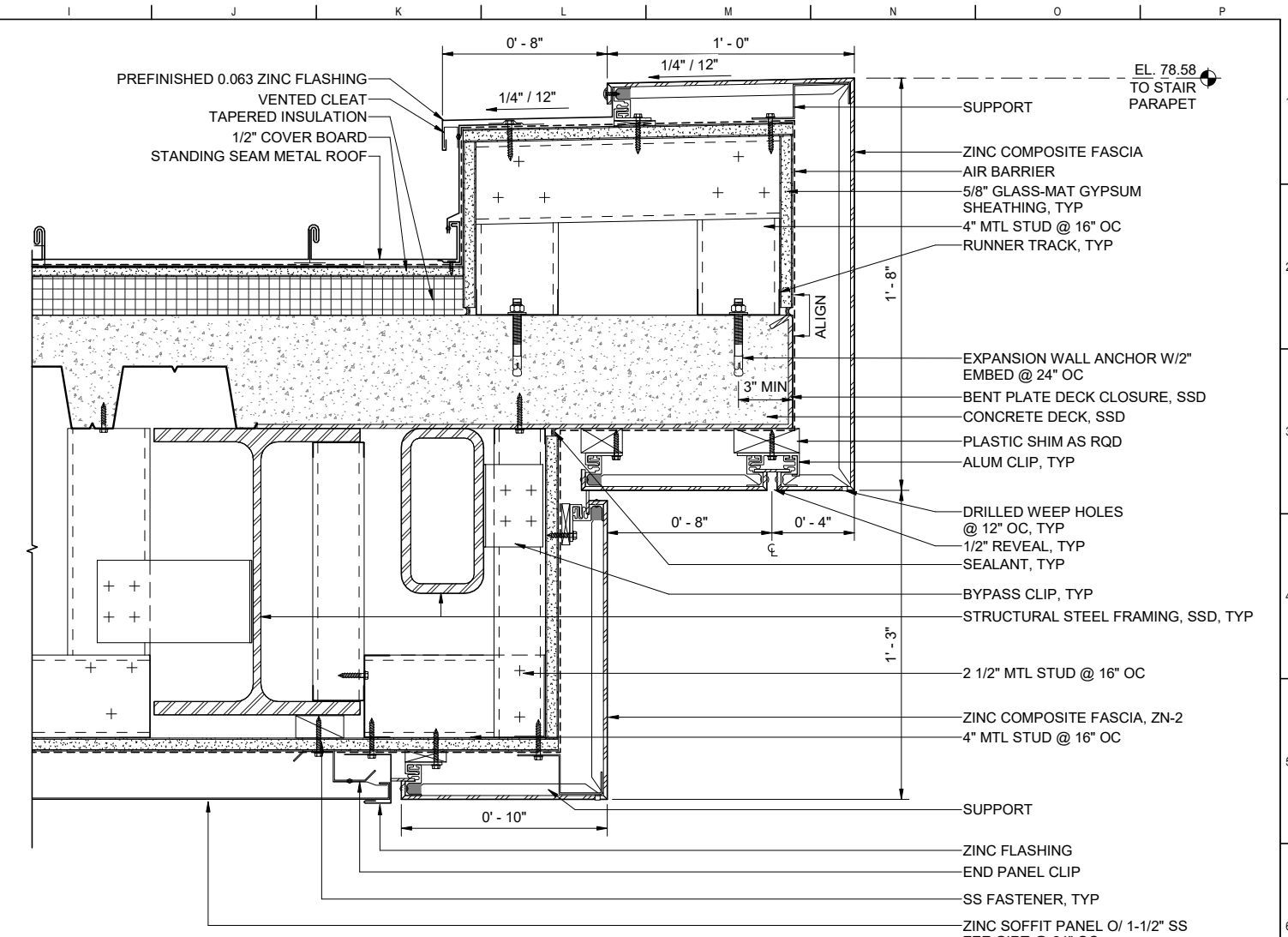
FOR CONSTRUCTION
Scope II

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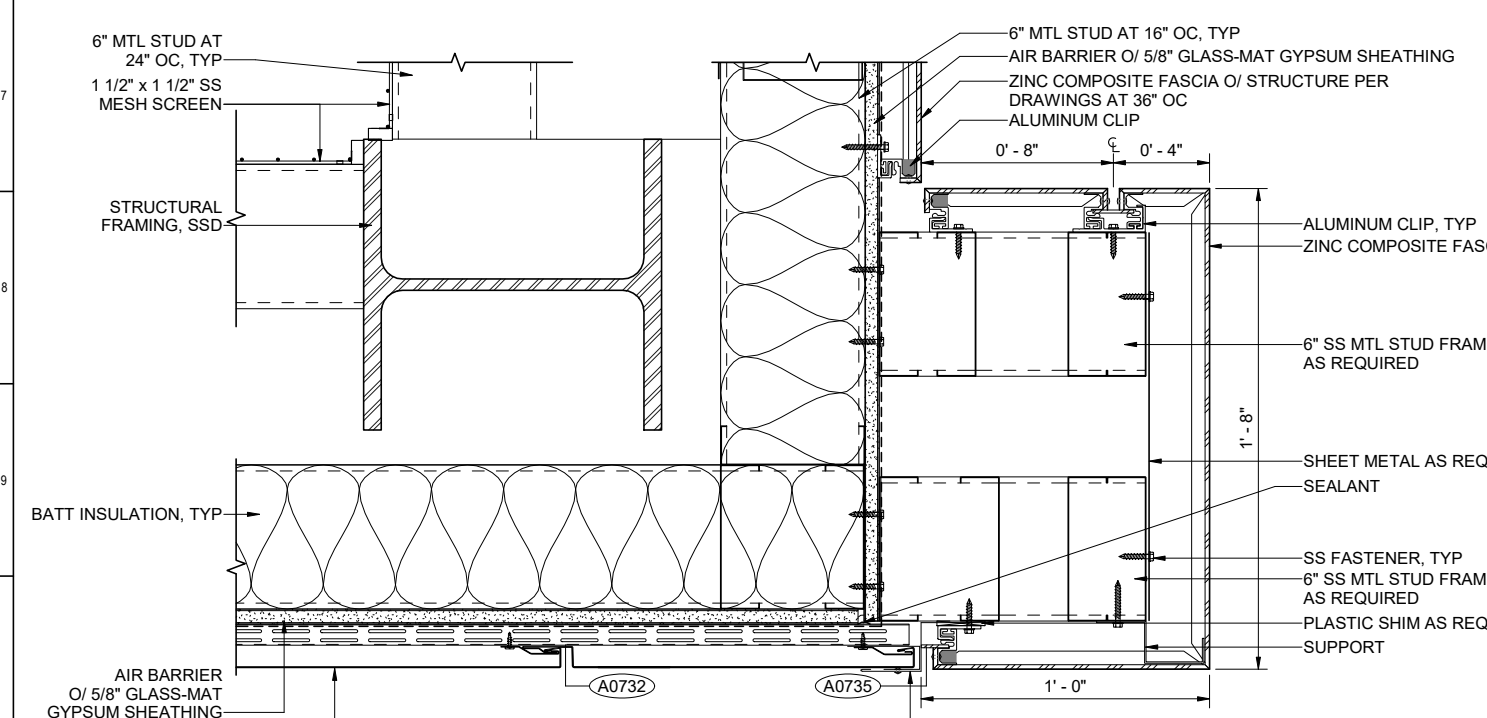
ELEVATION
DATUM
CITY



1 DETAIL
610-A-63-1003 SCALE: 3" = 1'-0"



2 DETAIL
610-A-63-1003 SCALE: 3" = 1'-0"

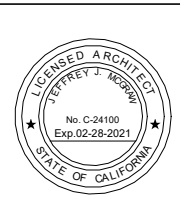


3 DETAIL
610-A-63-1007 SCALE: 3" = 1'-0"

FOR CONSTRUCTION
Scope II

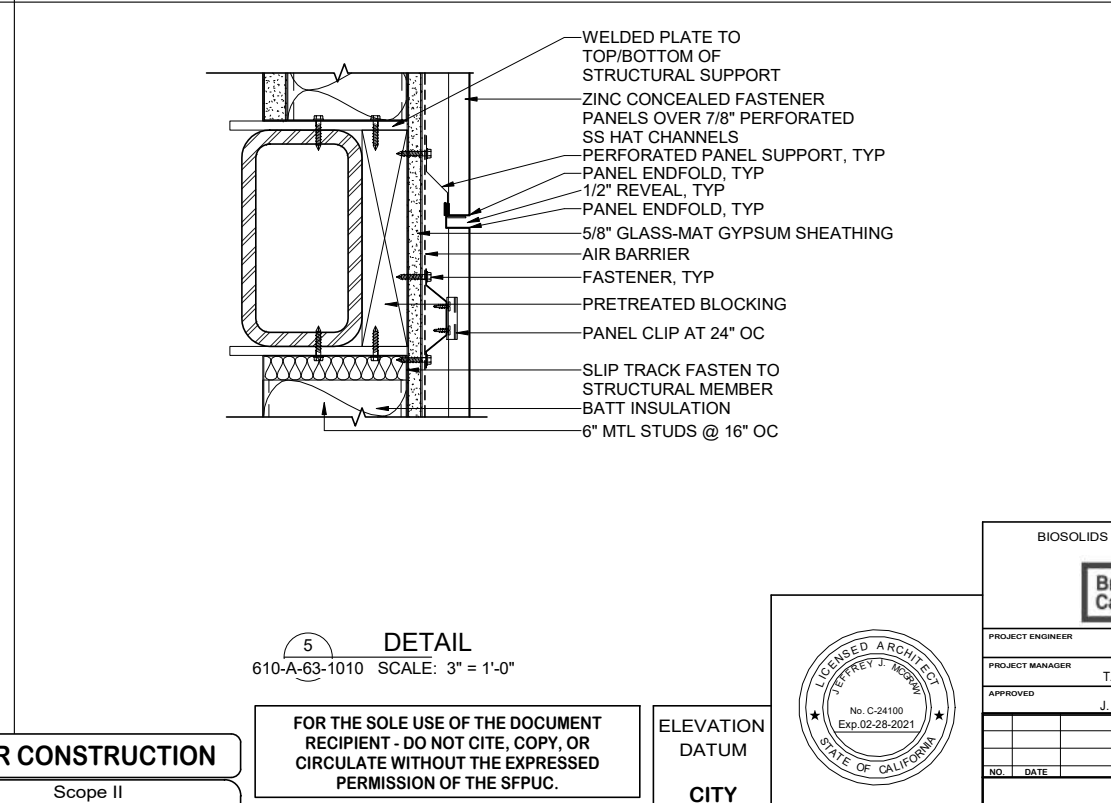
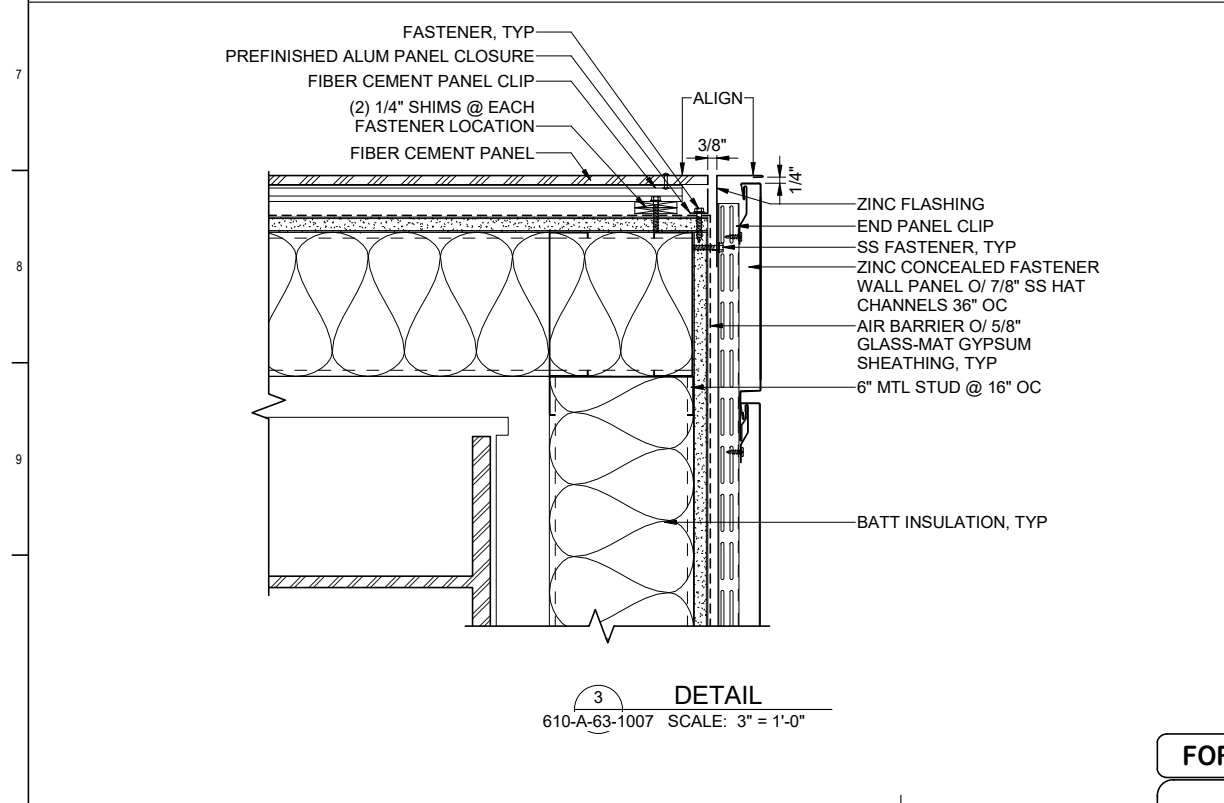
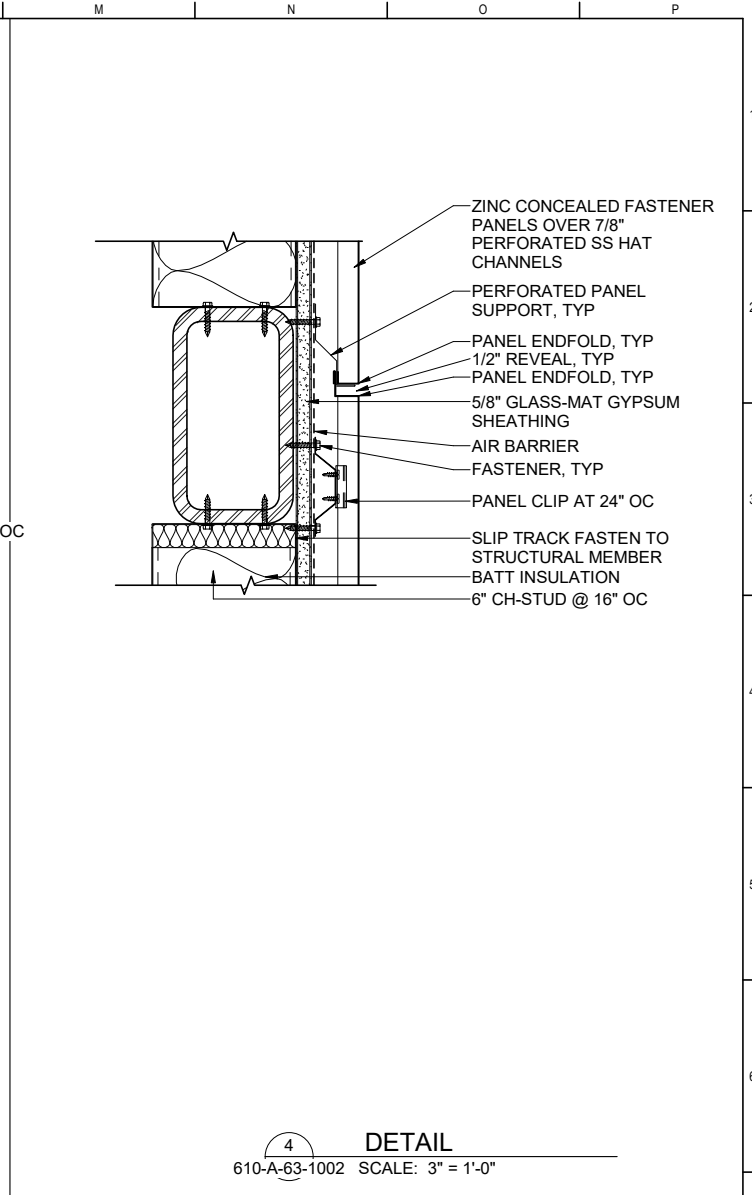
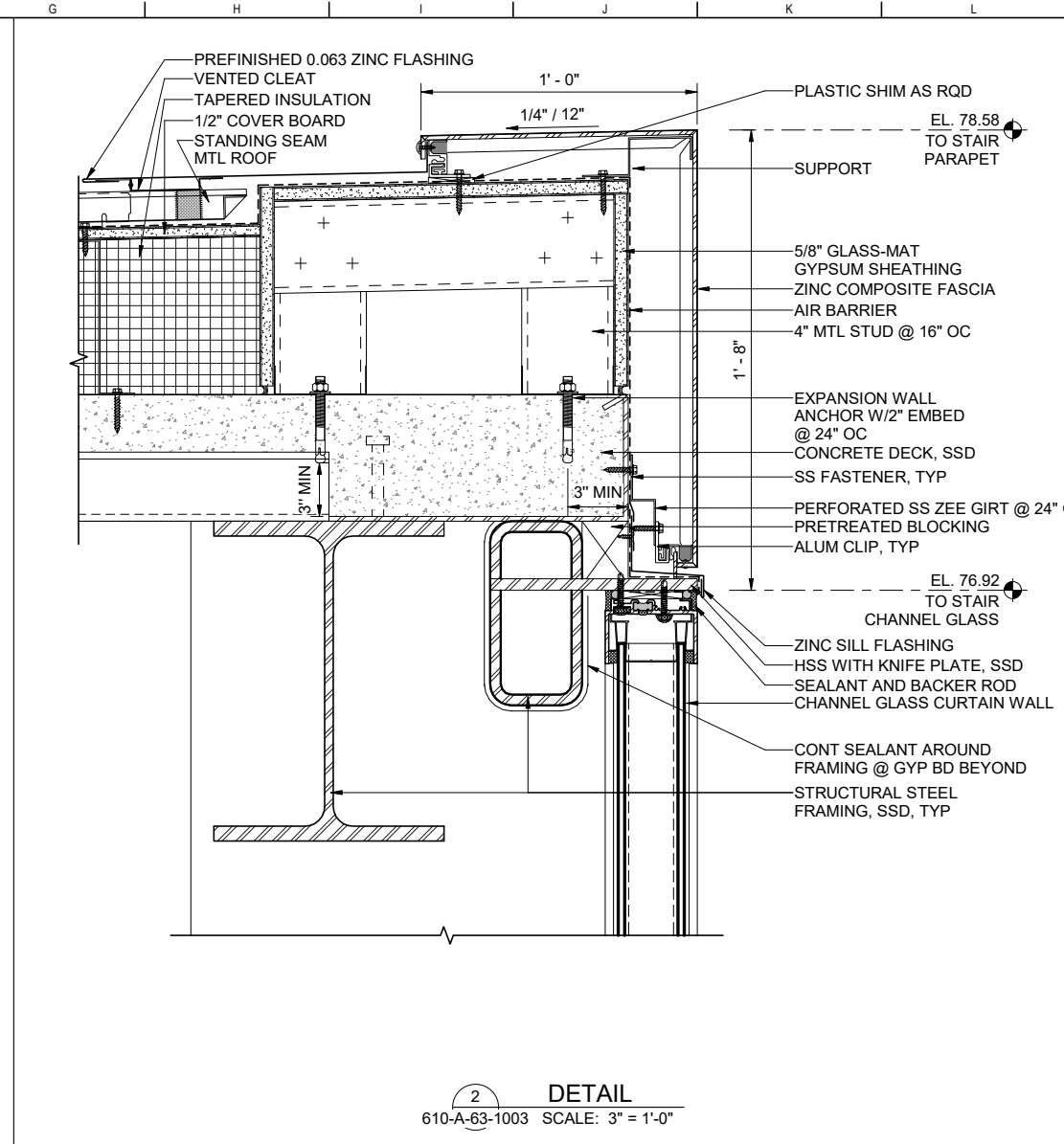
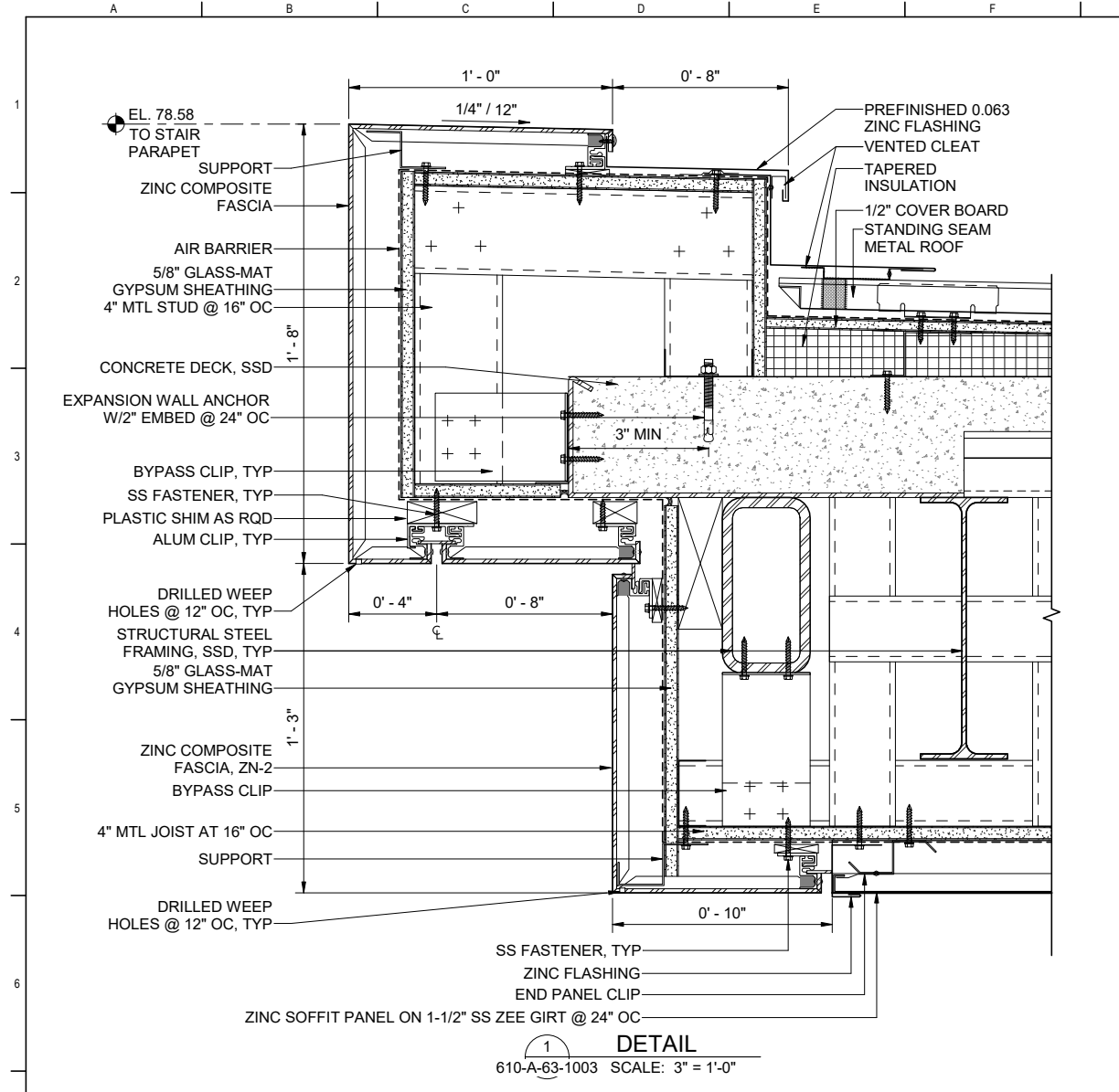
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BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m	
BLACK & VEATCH		AN ASSOCIATED FIRM	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPROVED

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610 - ANAEROBIC DIGESTION		
DETAILS		
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SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	Oct 30, 2020
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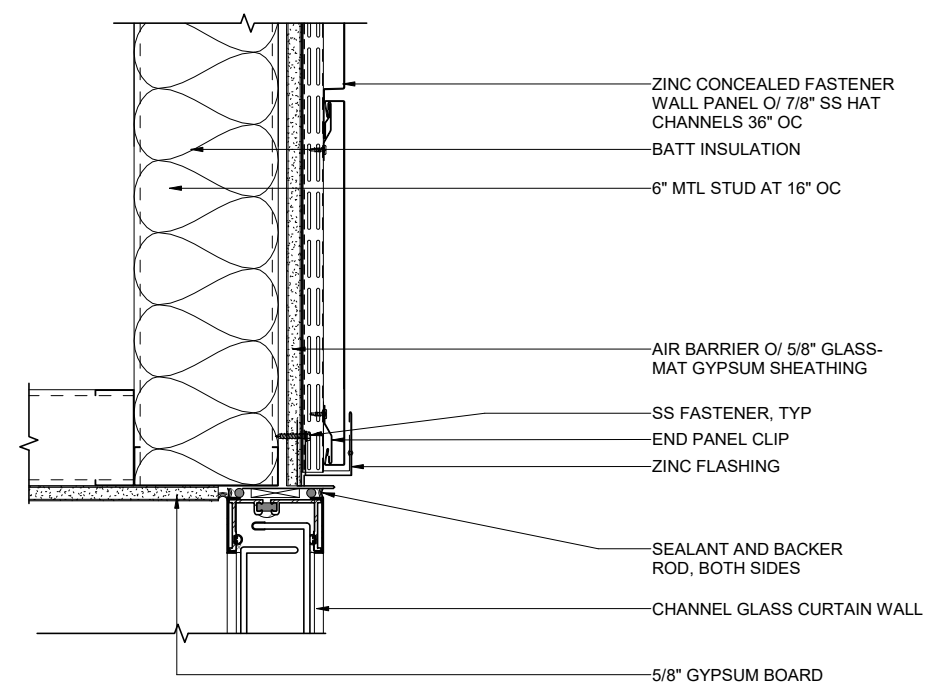


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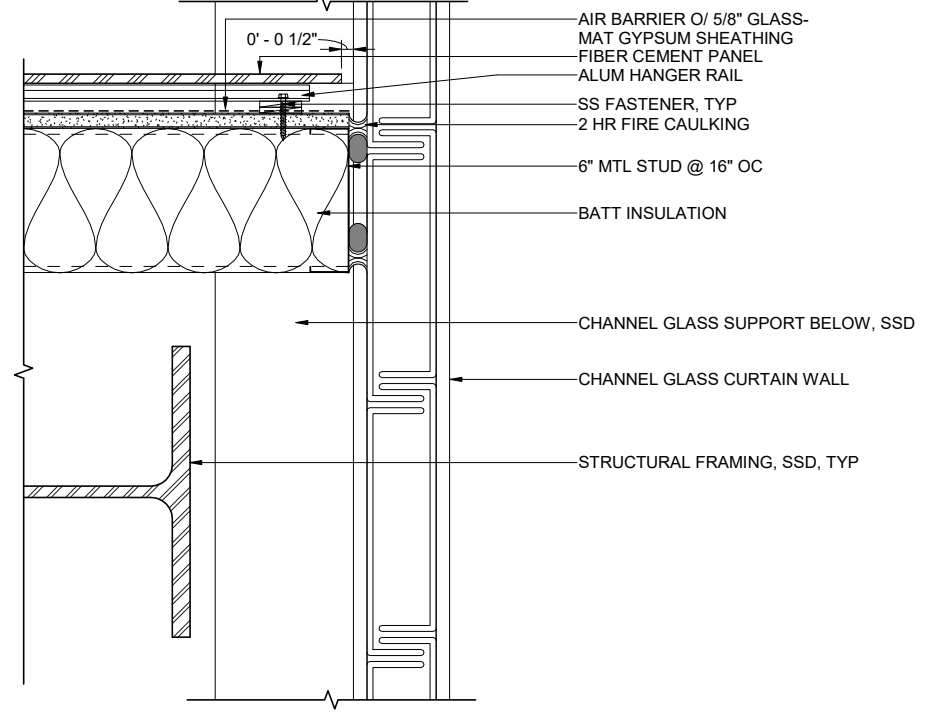
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION

DETAILS

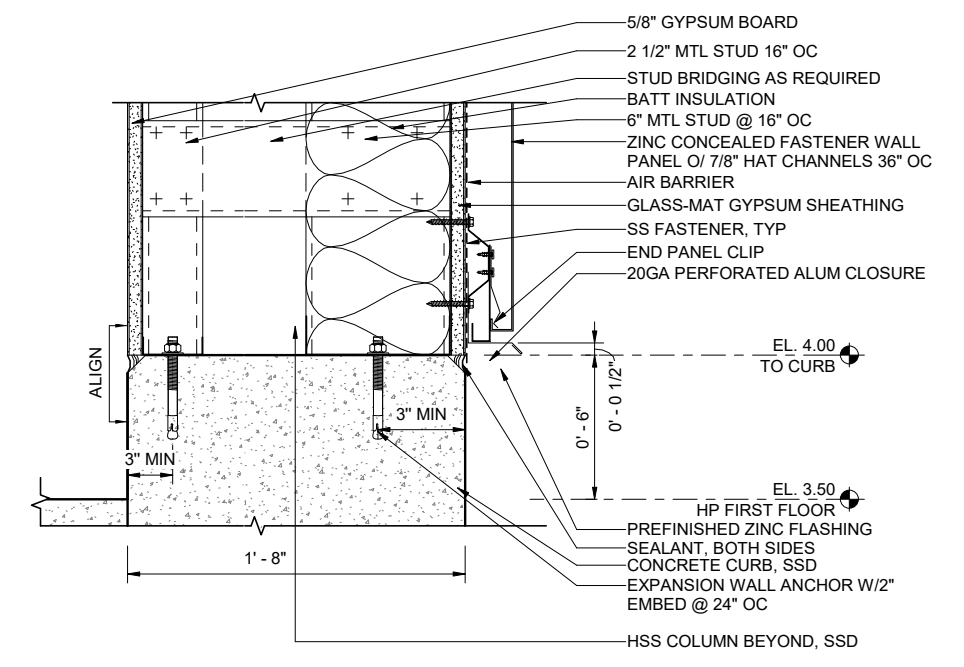
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM		CHECKED / APPROVED		DRAWN	
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT		
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM		
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY		
SECTION MANAGER		SCALE		DATE	
WWW O&M MANAGER		AS SHOWN		Oct 30, 2020	
MANAGER, ENGINEERING MANAGEMENT BUREAU		APPROVED		APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		MANAGER, ENGINEERING MANAGEMENT BUREAU		WWE ENGINEERING MANAGER	
PLAN NO.		DRAWING / FILE NO.		REVISION	
610-A-69-5008					



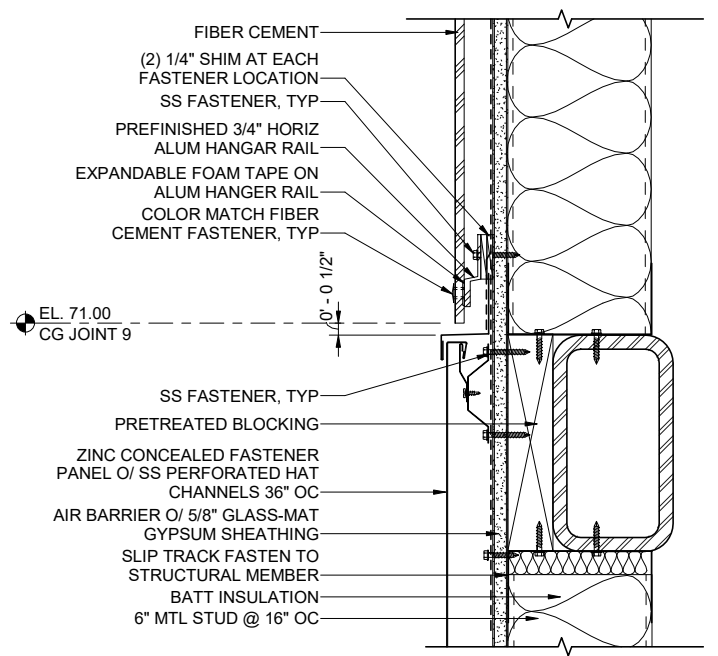
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610-A-63-1007 SCALE: 3" = 1'-0"



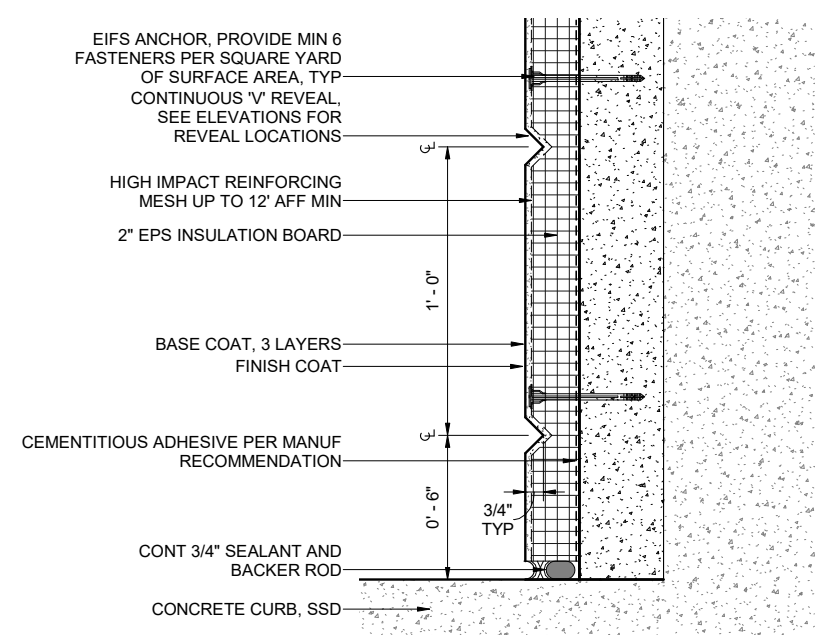
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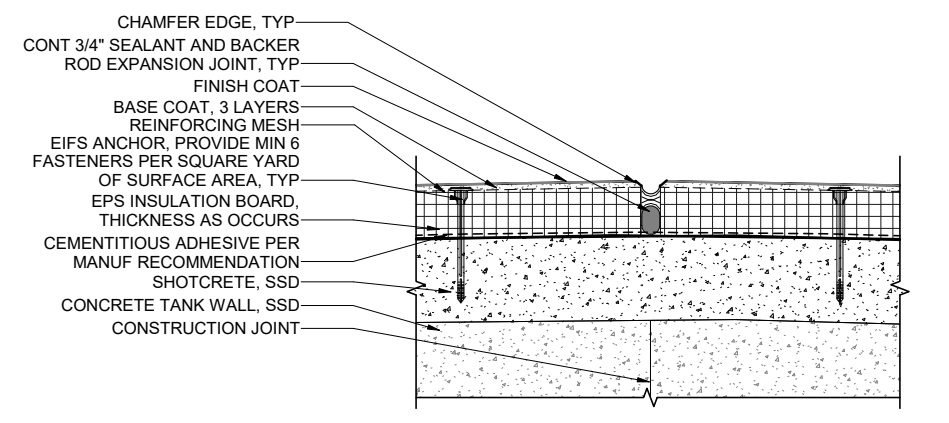
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610-A-63-1002 SCALE: 3" = 1'-0"



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610-A-63-1005 SCALE: 3" = 1'-0"



5
610-A-05-3008 SCALE: 3" = 1'-0"



6
610-A-30-1001 SCALE: 3" = 1'-0"

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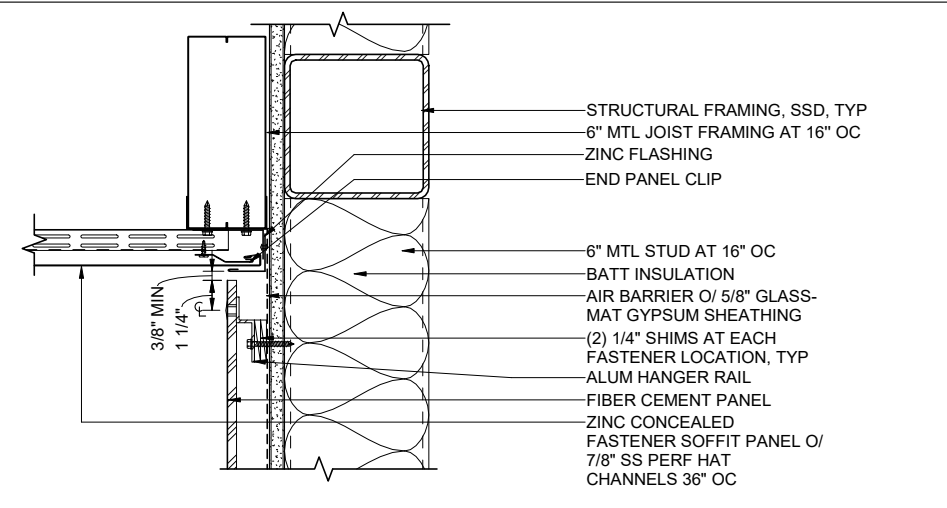
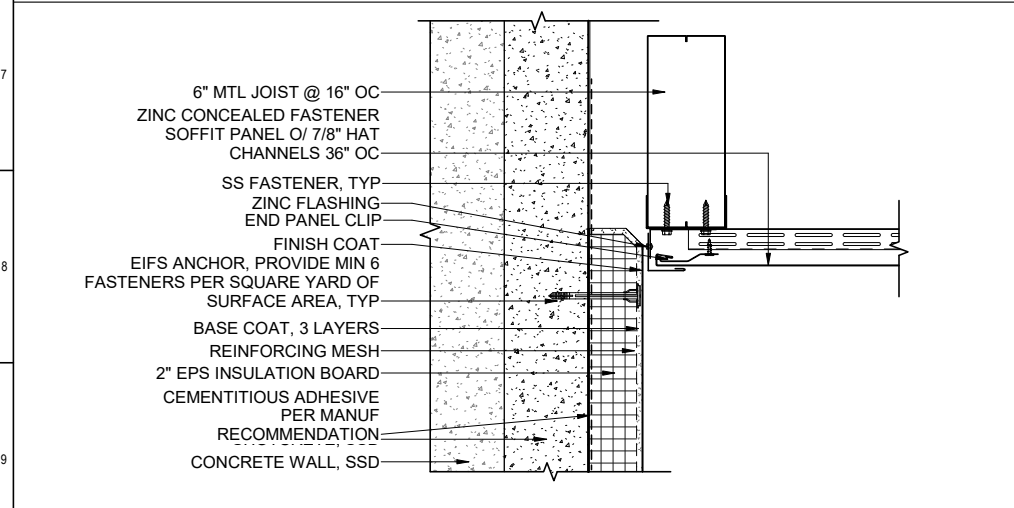
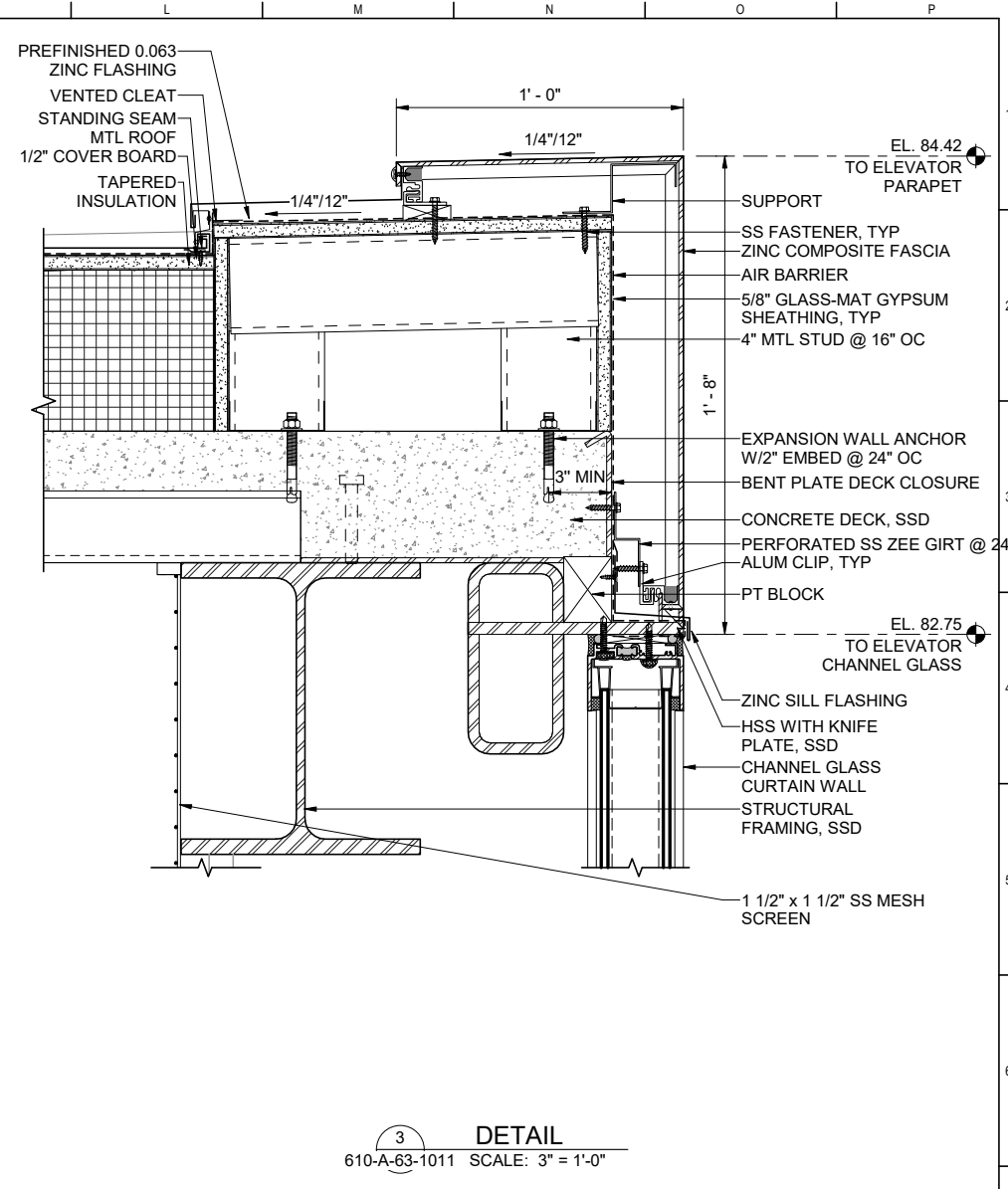
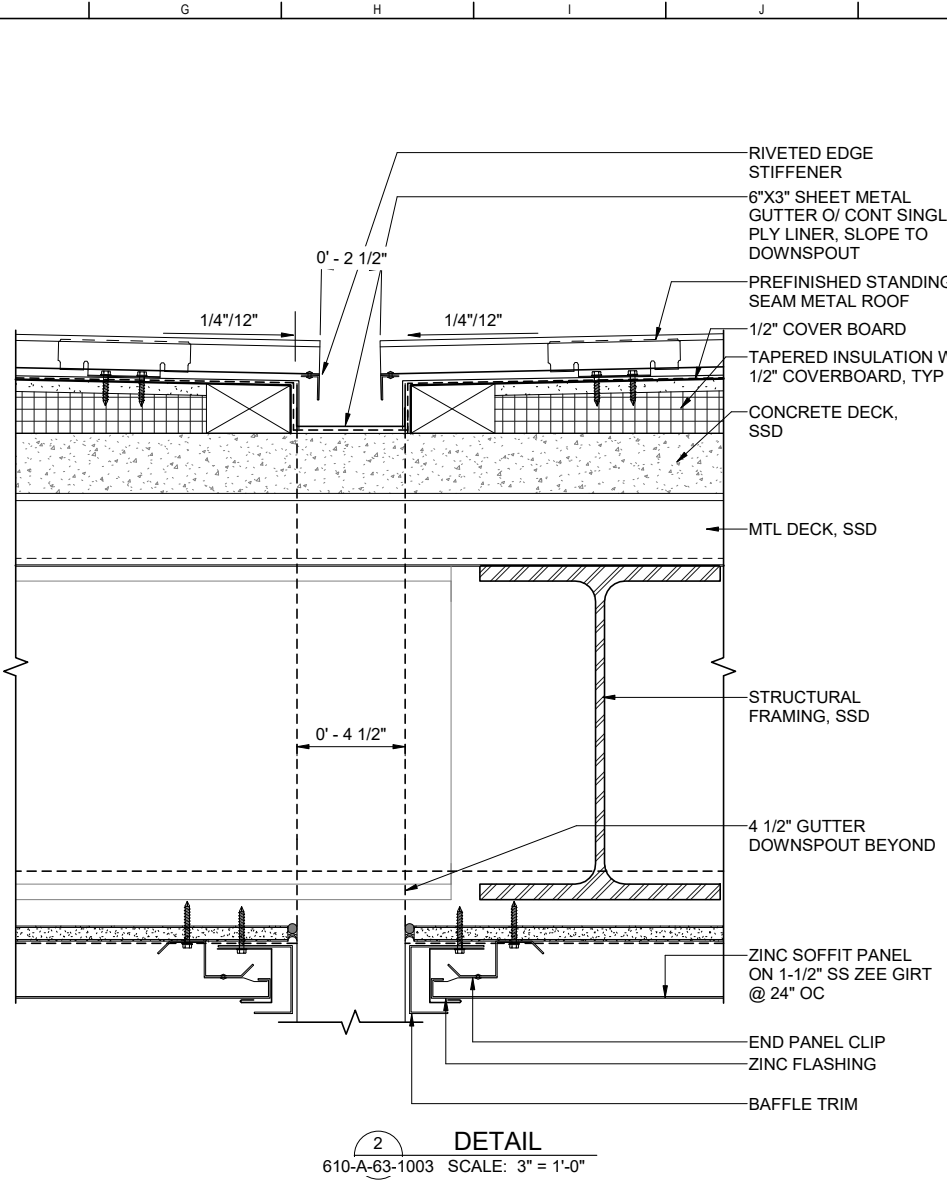
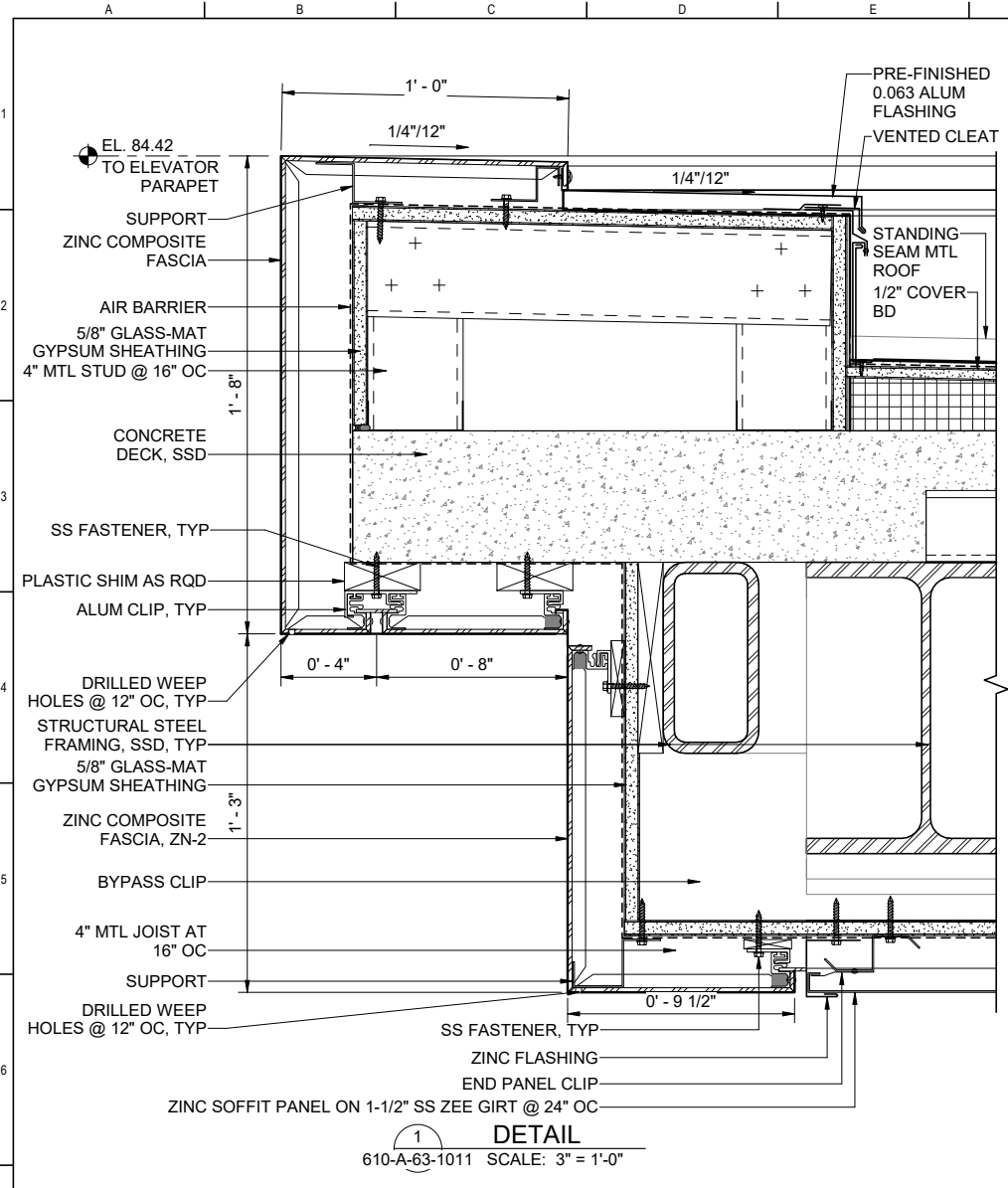
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PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY / APP'D
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610 - ANAEROBIC DIGESTION			
DETAILS			
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SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	AS SHOWN	DATE
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 BIOSOLIDS DIGESTER FACILITIES PROJECT
 610 - ANAEROBIC DIGESTION
DETAILS

BIOSOLIDS DIGESTER FACILITIES PROJECT
 CONSULTANT TEAM

PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

MANAGER, ENGINEERING MANAGEMENT BUREAU
 WWS ENGINEERING MANAGER

NO. DATE DESCRIPTION BY APP'D

REVISIONS

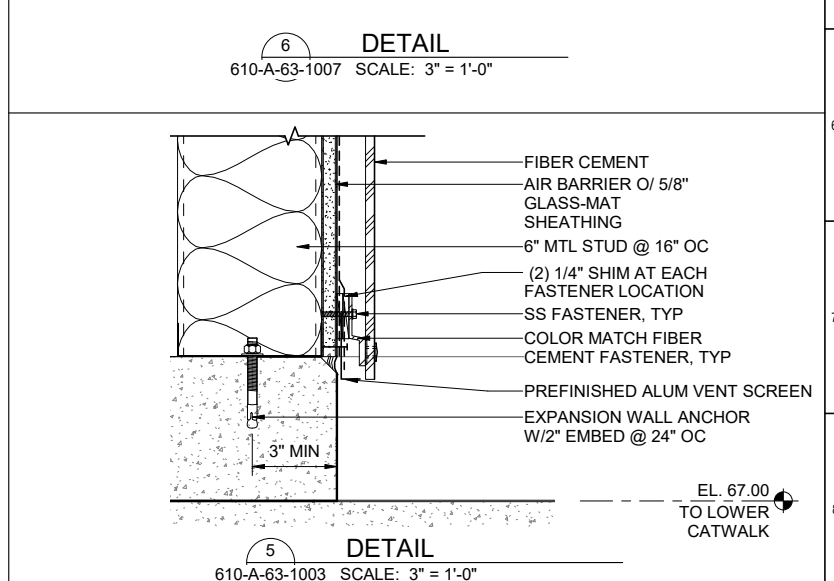
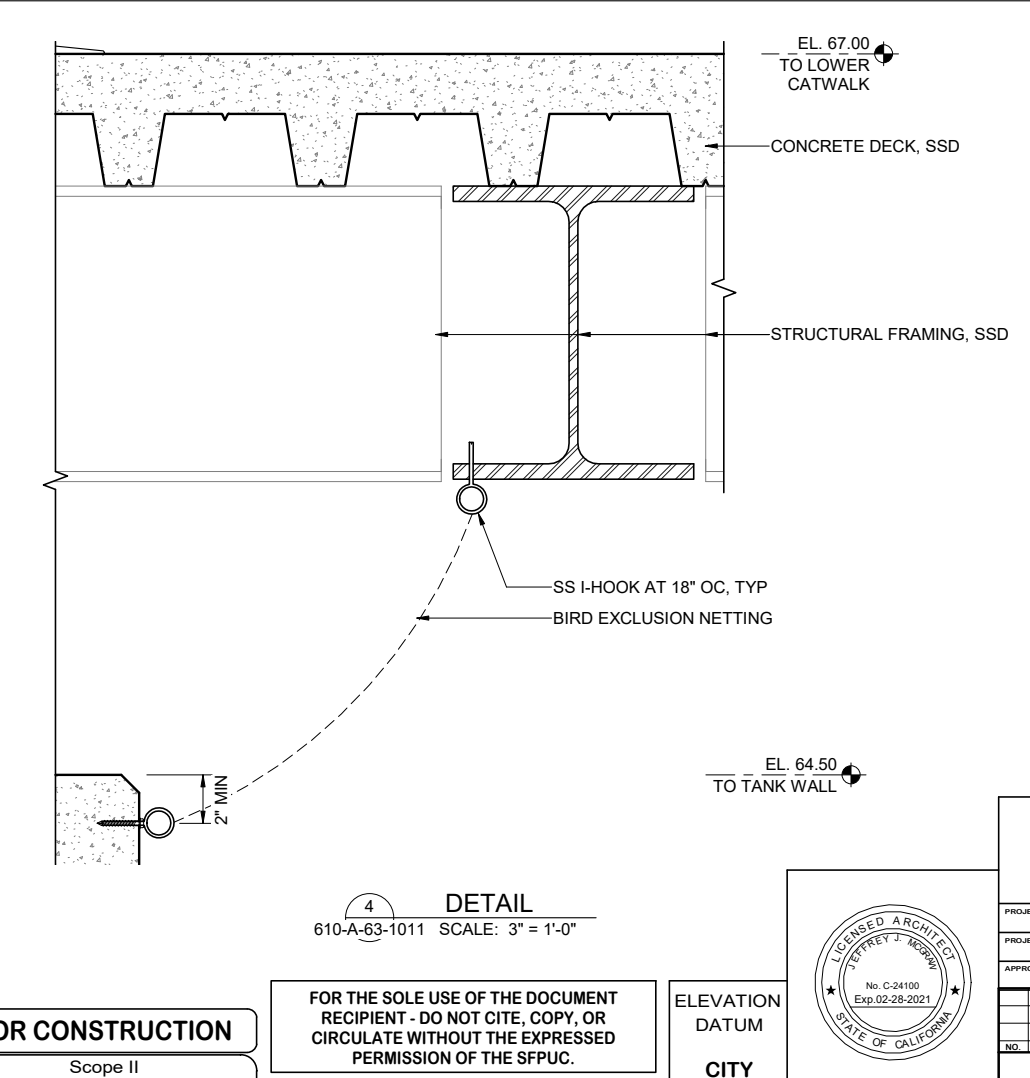
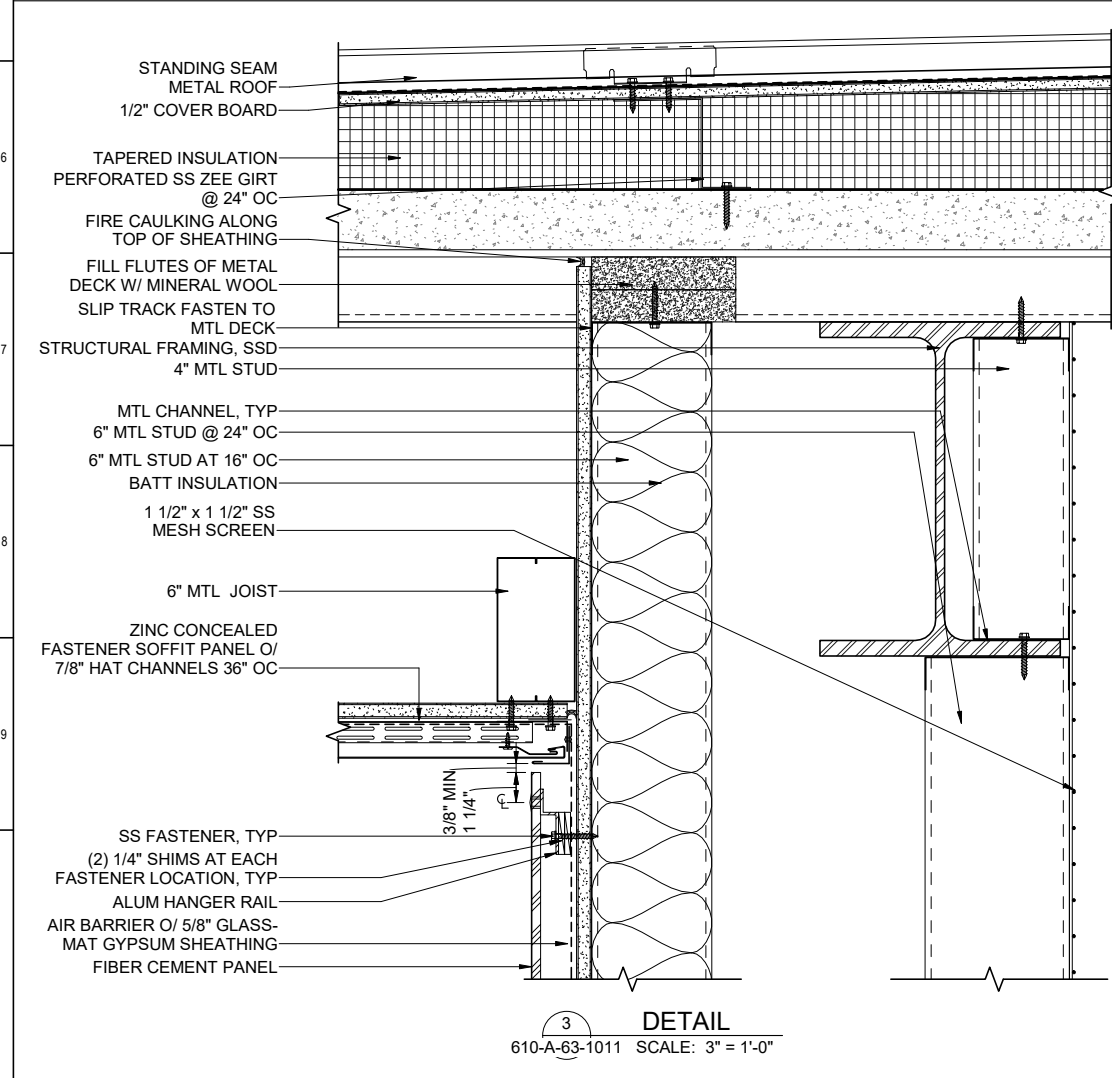
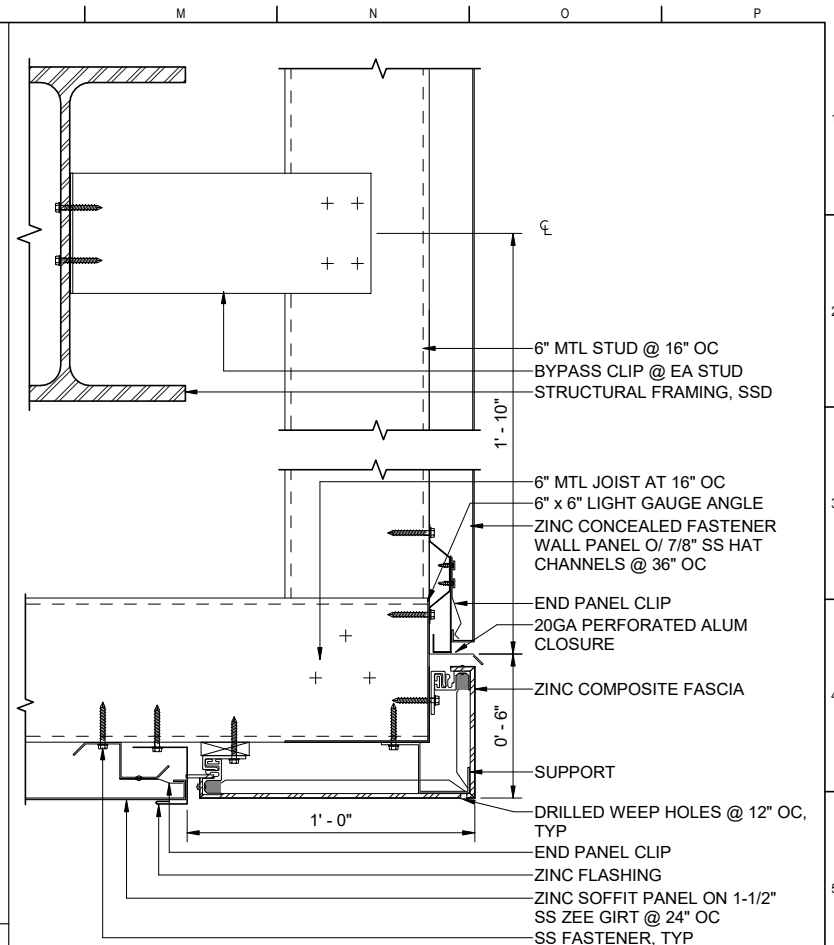
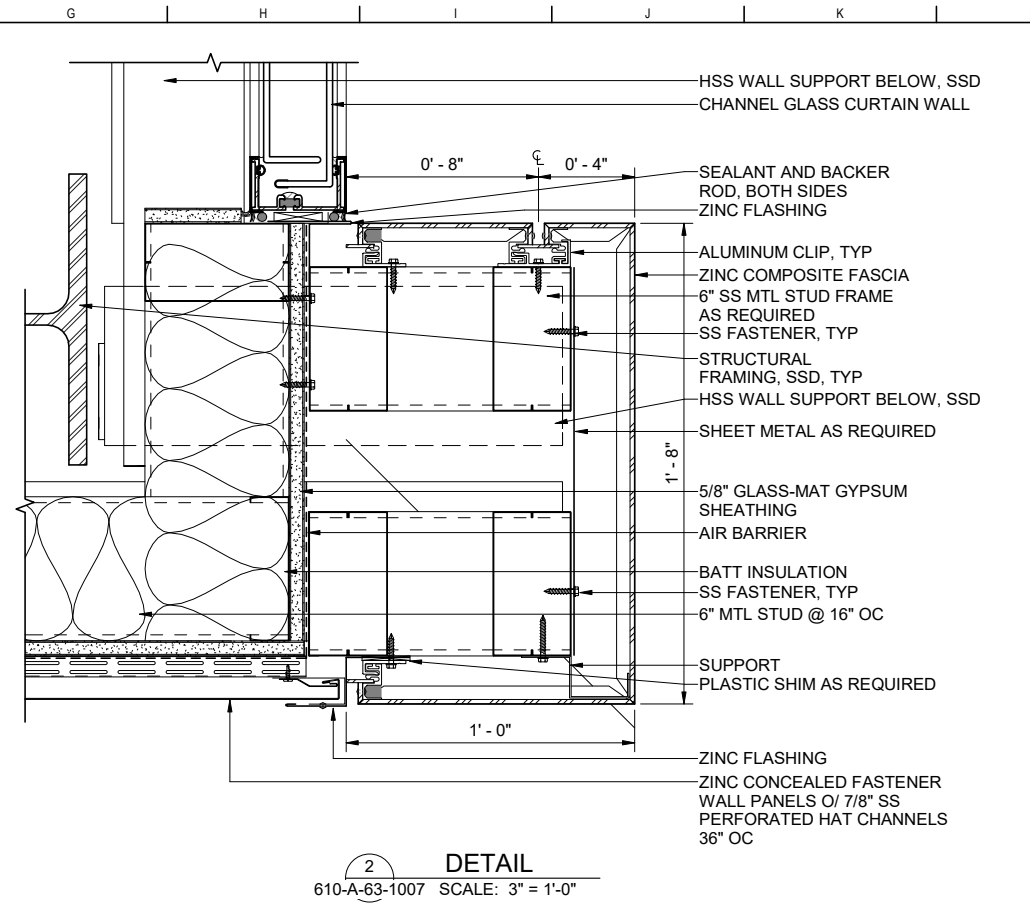
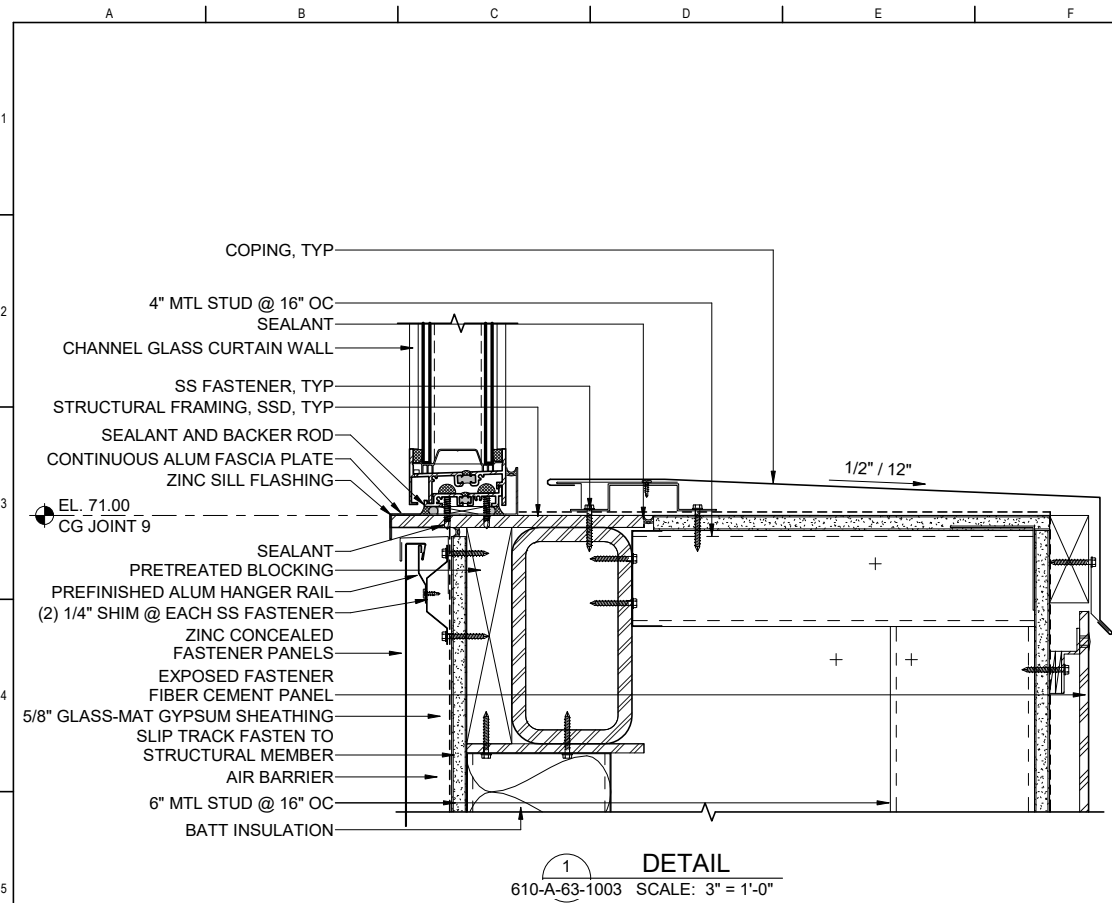
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WWS O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
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CONSULTANT TEAM

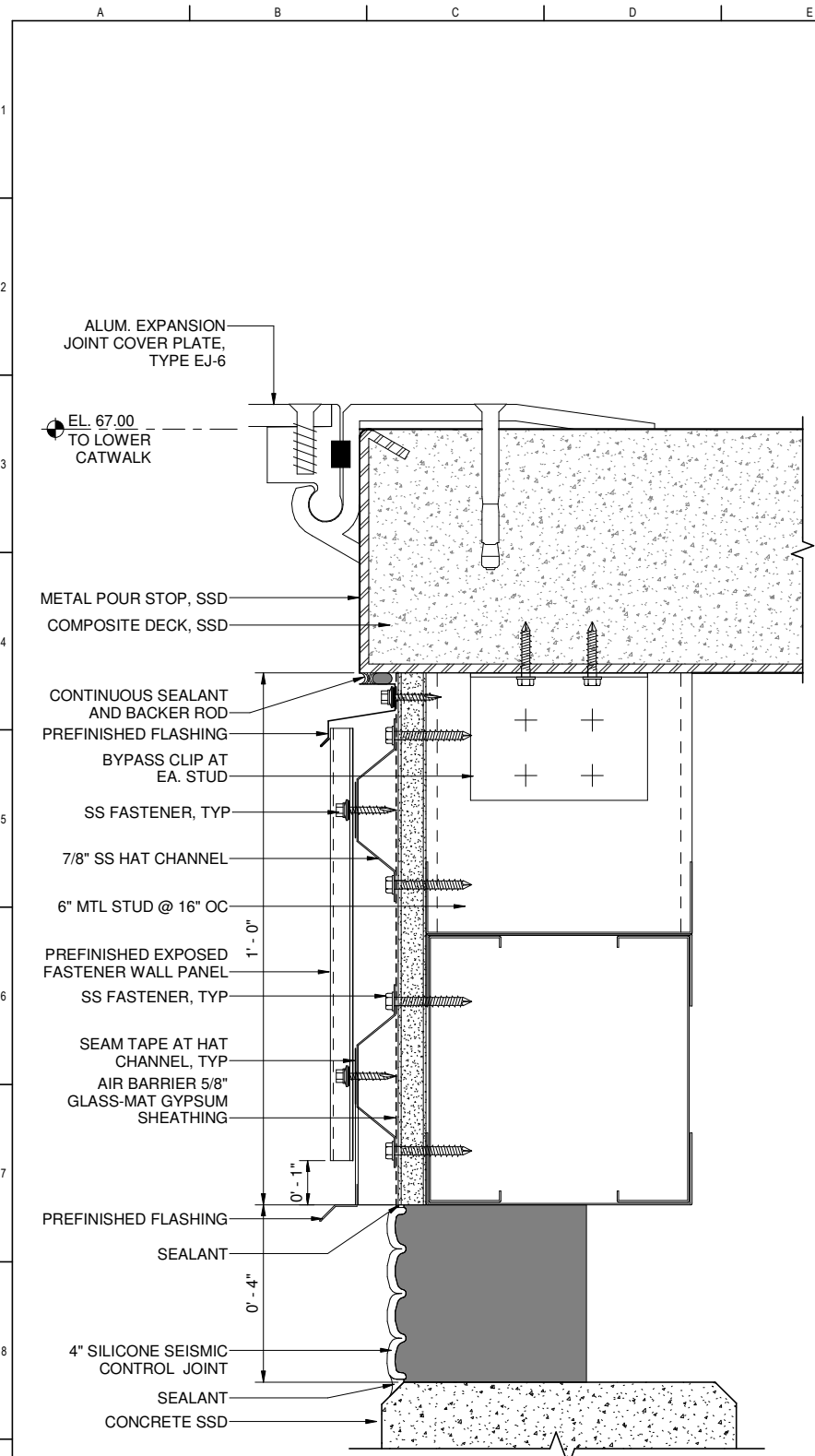
PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

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INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

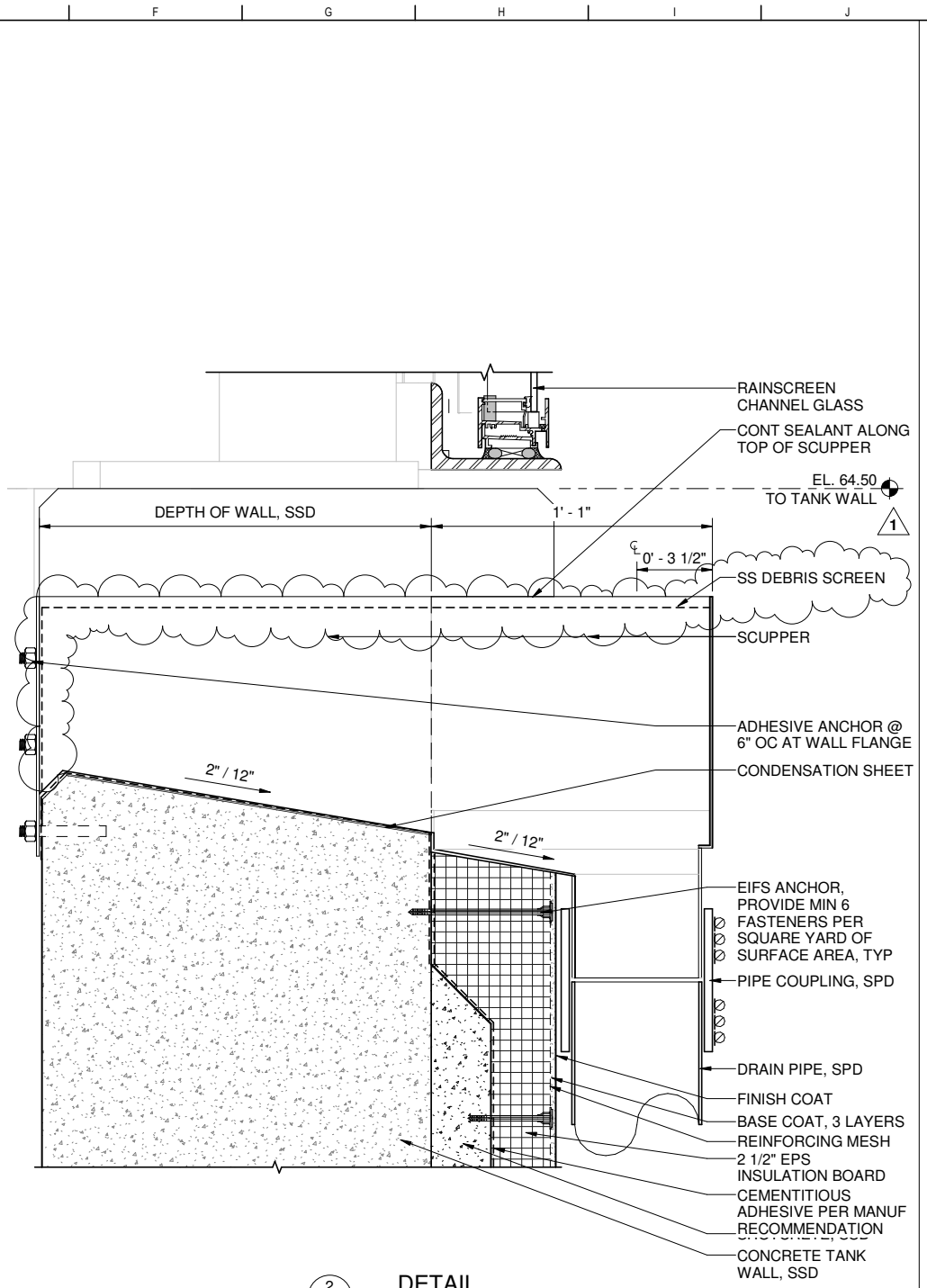
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
610 - ANAEROBIC DIGESTION

DETAILS

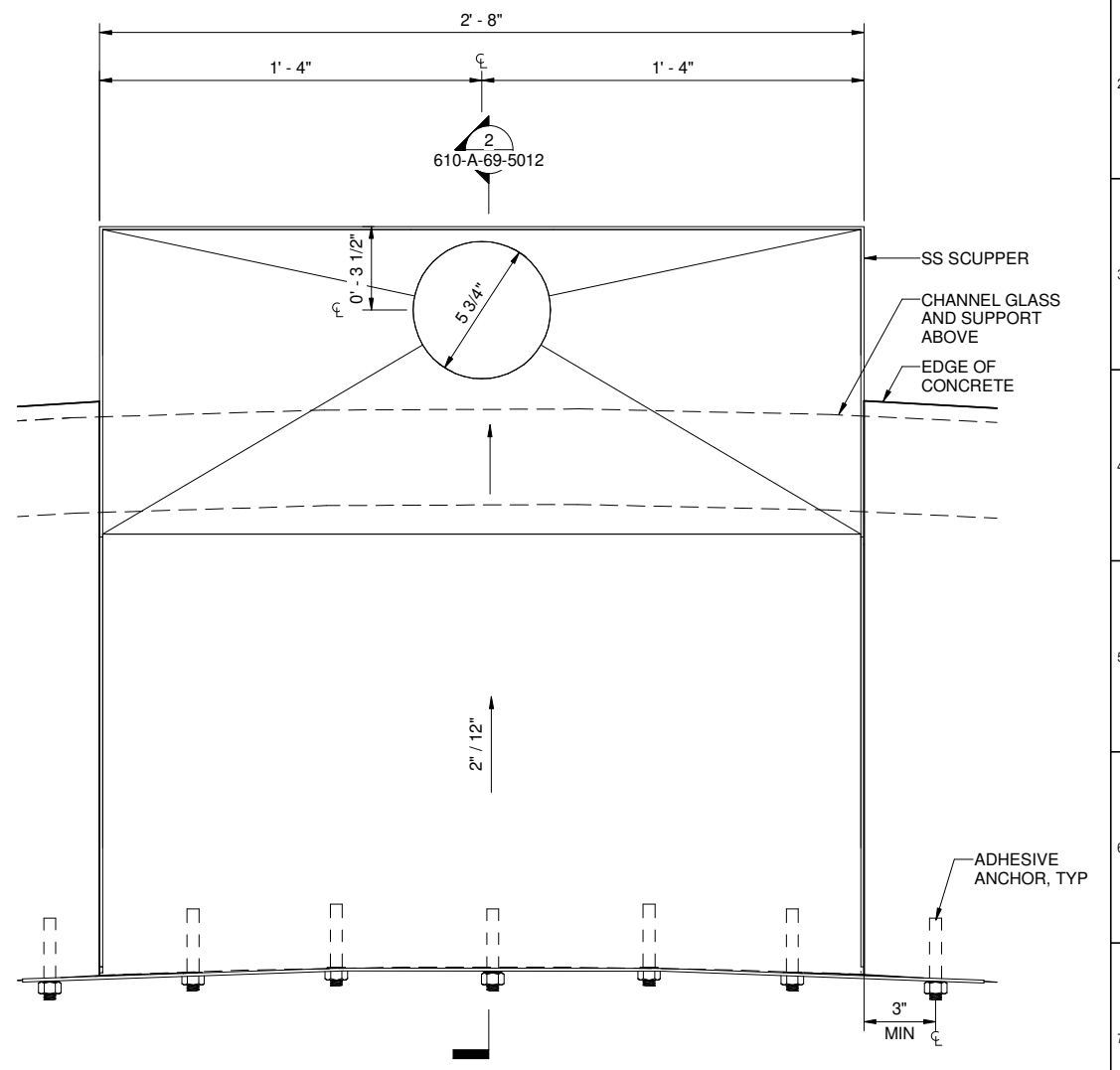
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DATE	Oct 30, 2020
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610-A-69-5011	REVISION



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DETAIL
610-A-69-5002 SCALE: 6" = 1'-0"



2
DETAIL
610-A-69-5012 SCALE: 3" = 1'-0"

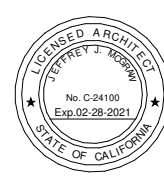


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DETAIL
610-A-40-1001 SCALE: 3" = 1'-0"

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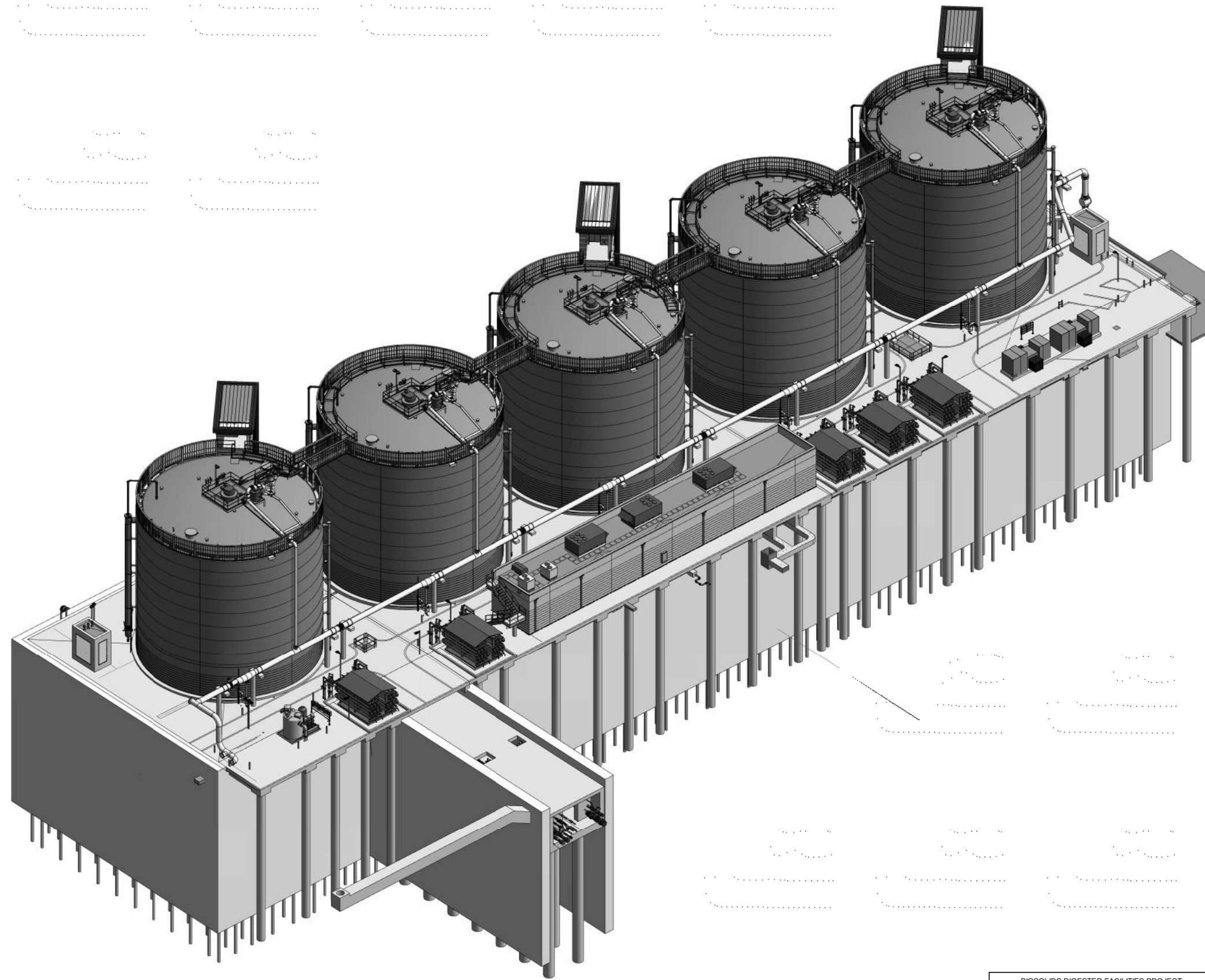
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PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
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1	01/22/21	REV #1	ALH JJM
REVISIONS		DATE	BY

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610 - ANAEROBIC DIGESTION			
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SOUTH EAST PERSPECTIVE

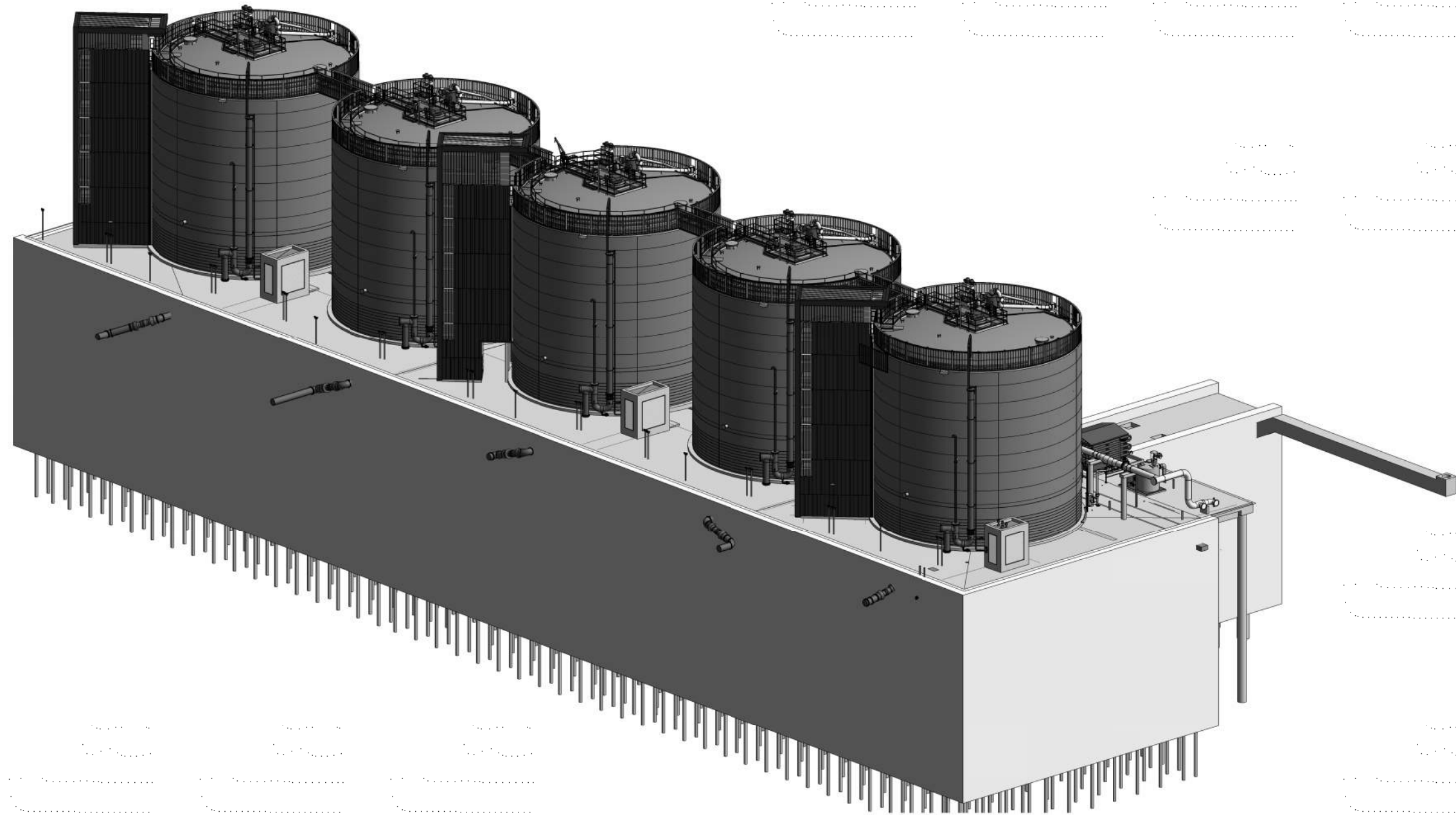
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PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY / APPRD
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CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU	
SOUTHEAST WATER POLLUTION CONTROL PLANT BIOSOLIDS DIGESTER FACILITIES PROJECT	
610 - ANAEROBIC DIGESTION	
3D PERSPECTIVE VIEW	
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	DATE Oct 30, 2020
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SOUTH WEST PERSPECTIVE

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PROJECT ENGINEER	D. GREEN	DRAWN	D. ELLIOT
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
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3D PERSPECTIVE VIEW		
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	AS SHOWN	Oct 30, 2020
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610-A-99-9002		

CODE DATA

CODE REFERENCES ARE FROM 2016 CALIFORNIA BUILDING CODE, UNLESS OTHERWISE NOTED

FACILITY: 615 BIOSOLIDS DEWATERING

GENERAL INFORMATION

USE AND OCCUPANCY CLASSIFICATION (SECTION 304.1, 306.2, 306.3, 311.3)

GROUP F-1 MODERATE - HAZARD FACTORY INDUSTRIAL, F-2 LOW-HAZARD FACTORY INDUSTRIAL, S-2 STORAGE, B BUSINESS

CONSTRUCTION TYPE OF (SECTION 602.2)

TYPE IIB, NON-COMBUSTIBLE

AREA AND HEIGHT LIMITATIONS

ALLOWABLE ADJUSTMENTS: (TABLE 506.2)

OCC CALCS PER FLOOR

BASEMENT

$$\frac{(F-2) 723}{69,000} = 0.01 < 1$$

FIRST FLOOR

$$\frac{(F-2) 5,750}{69,000} + \frac{(F-1) 1,010}{46,500} + \frac{(S-2) 5,564}{78,000} = 0.08 + 0.02 + 0.07 < 1$$

SECOND FLOOR

$$\frac{(F-2) 13,037}{69,000} = 0.19 < 1$$

THIRD FLOOR

$$\frac{(F-2) 12,579}{69,000} + \frac{(B) 280}{69,000} = 0.18 + 0.004 < 1$$

TOTAL

0.55 < 3 PER 506.2.4

ACTUAL AREA

BASEMENT

723 SF

FIRST

12,322 SF

SECOND

13,037 SF

THIRD

12,859 SF

TOTAL:

38,941 SF

MAXIMUM ALLOWABLE STORIES (TABLE 504.4 & SECTION 503)

4

ACTUAL NUMBER OF STORIES

3 + BASEMENT

MAXIMUM ALLOWABLE HEIGHT (TABLE 504.3)

75 FT

MAXIMUM ALLOWABLE ROOF HEIGHT (TABLE 504.3 SFMC)

75 FT PER CBC/65 FT TO HIGHEST ROOF SURFACE PER SFMC

ACTUAL ROOF HEIGHT

65 FT

OCCUPANCY / EGRESS INFORMATION

DESIGN OCCUPANCY (TABLE 1006.3.1, 1006.3.2 & 1004.1.2): NOTE: ALSO MIN EXITS PER FLOOR

OCCUPANTS PER FLOOR

CALC OCC LOAD

MIN EXITS

BASEMENT

8

1

FIRST

58

2

SECOND

47

2

THIRD

52

2

TOTAL:

166

EGRESS WIDTH REQUIRED FOR DOORS (SECTION 1010.1.1)

MINIMUM 32" CLEAR WIDTH

EGRESS WIDTH REQUIRED FOR STAIRS (SECTION 1011.2)

MINIMUM 36" , STAIR 1 AND 2

ALLOWABLE COMMON PATH OF TRAVEL (TABLE 1006.2.1)

100 FT FOR F-2 & B, S-2

MAX TRAVEL DISTANCE ALLOWED (TABLE 1017.2)

400 FT FOR F-2, S-2; 300 FT FOR B

REQUIRED FIRE RESISTANT RATING

BUILDING ELEMENTS (TABLE 601)

STRUCTURAL FRAME

0 HR

EXTERIOR BEARING WALLS

0 HR

INTERIOR BEARING WALLS

0 HR

INTERIOR NON-BEARING WALLS

0 HR

FLOOR CONSTRUCTION

0 HR

ROOF CONSTRUCTION

0 HR

SHAFT ENCLOSURE (713.4)

2 HR

STAIRWAY ENCLOSURE (1023.2)

2 HR

CORRIDOR (TABLE 1020.1)

0 HR

OCCUPANCY SEPARATIONS (508.4)

	F-2, S-2	B, F-1
F-2, S-2	N	1
B, F-1	-	N

ACCESSORY OCCUPANCIES (508.2)

B

FIRE PROTECTION FEATURES

FIRE WALL: FIRE RESISTANCE RATING (TABLE 706.4)

2 HR FIREWALL BUILDING SEPARATION AT BASEMENT

FIRE SEPARATION DISTANCE (TABLE 602)

X ≥ 10' = 0 HR 3 SIDES

FIRE PROTECTION SYSTEMS

MAXIMUM AREA OF EXTERIOR WALL OPENINGS (705.8.1 EXCEPTION 2)

UNLIMITED

SPRINKLERS

SPRINKLERED WITH EXCEPTIONS

1.WET WELLS ARE NON-OCCUPIED AND NON-SPRINKLERED
2.ELECTRICAL ROOMS ARE NON-SPRINKLERED AND SEPARATED BY 2-HOUR FIRE BARRIER

FIRE EXTINGUISHERS

PROVIDED, SEE AREA PLANS

EXIT LIGHTING

PROVIDED (SEE ELECTRICAL)

PLUMBING FIXTURE COUNT (CPC TABLE 422.1, TABLE A)

OCCUPANCY

REQUIRED

PROVIDED

B = 1

M: 0.5 F: 0.5

WATER CLOSET

M: 1 F: 1

2 SINGLE OCCUPANCY ALL-GENDER RESTROOMS PER SF ORDINANCE 53-16

F-2 = 16

M: 8 F: 8

LAVATORY

M: 1 F: 1

0 DRINKING FOUNTAIN

S-2 = 1

M: 0.5 F: 0.5

DRINKING FOUNTAIN: 0

(EXEMPT <30 OCCUPANCY 415.2)

APPLICABLE CODES AND STANDARDS

- 2016 INTERVENING CALIFORNIA BUILDING CODE INTERVENING CYCLE DATED JULY 1, 2018 WITH SAN FRANCISCO BUILDING CODE AND SFMC AMENDMENTS
- 2016 SAN FRANCISCO FIRE CODE (SFFC)
- 2016 CALIFORNIA PLUMBING CODE (CPC)
- 2016 CALIFORNIA ELECTRICAL CODE (CEC)
- 2016 CALIFORNIA ENERGY CODE
- SAN FRANCISCO MUNICIPAL CODE (SFMC)
- 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)
- 2010 ADA STANDARD FOR ACCESSIBLE DESIGN (ADAS)
- 2016 NFPA 820 STANDARD FIRE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES
- 2016 NFPA 13: STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS
- 2015 NFPA 37 STANDARD FOR INSTALLATION AND USE OF STATIONARY COMBUSTION ENGINES AND GAS TURBINES
- NFPA 70: NATIONAL ELEC CODE
- 2016 CALIFORNIA MECHANICAL CODE (CMC)
- CALIFORNIA CODE OF REGULATIONS (CCR) INCLUDING CAL OSHA
- SAN FRANCISCO ENVIRONMENT CODE

HAZARDOUS MATERIALS LIST

CHEMICAL	CAS#	HAZARD TYPE	HMS	QUANTITY STORED	ALLOWABLE QUANTITY PER CBC CHAPTER 4 CBC CHAPTER 3 TABLE 307.1	NOTES
ADIPIC ACID SOLUTION	124-04-9	IRRITANT	HEALTH: 0 FIRE: 1 REACTIVITY: 0	400lbs	UNLIMITED	<2.5% CONCENTRATION
SULFAMIC ACID SOLUTION	5329-14-6	IRRITANT	HEALTH: 0 FIRE: 1 REACTIVITY: 0	400lbs	UNLIMITED	<2.5% CONCENTRATION

ENERGY CODE PRESCRIPTIVE REQUIREMENTS

PER 2016 BUILDING ENERGY EFFICIENCY STANDARDS, MEASURED FOR CLIMATE ZONE 3

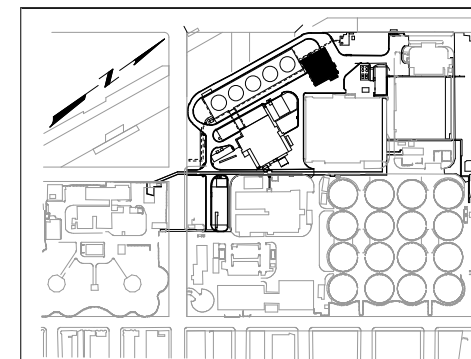
ENVELOPE TYPE	MAXIMUM U-FACTOR (PER TABLE 140.3-B)
EXTERIOR WALL (MASS HEAVY)	0.65
EXTERIOR WALL (METAL FRAMED)	0.082
CURTAIN WALL / STOREFRONT	0.41 MAX U-FACTOR / 0.26 MAX RSHGC / 0.46 MIN VT
FLOORS	0.269
ROOF	0.75 EMITTANCE, AGED SOLAR REFLECTANCE 0.63
EXTERIOR DOORS	0.7 SWINGING, 1.45 NON SWINGING
GLAZED DOORS	0.45 MAX U-FACTOR / 0.23 MAX RSHGC / 0.17 MIN VT
SKYLIGHT (CURB MOUNTED)	0.58 MAX U-FACTOR / 0.25 MAX RSHGC, 0.49 MIN VT

ACCESSIBILITY

SPACES SHADED ARE ACCESSIBLE, OTHERWISE ARE NORMALLY UNOCCUPIED MACHINERY SPACES AND ARE EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER CBC SECTION 11B-203.4 AND 203.5.

LIMITED ACCESS SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LADDERS, CATWALKS, CRAWL SPACES, OR VERY NARROW PASSAGEWAYS ARE NOT REQUIRED TO COMPLY WITH ACCESSIBILITY REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE AND ARE EXEMPT FROM CHAPTER 11B REQUIREMENTS PER 11B-203.4.

MACHINERY SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT ARE NOT REQUIRED TO COMPLY WITH ACCESSIBILITY REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE AND ARE EXEMPT FROM CHAPTER 11B REQUIREMENTS PER 11B-203.5.



KEY PLAN

CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

615 - BIOSOLIDS DEWATERING

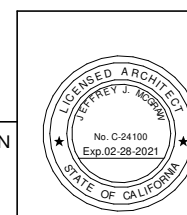
CODE OVERVIEW

BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM



PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS			

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-0001	REVISION



FOR CONSTRUCTION
Scope II

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ELEVATION DATUM
CITY

LEGEND

OCCUPANT LOAD: ## → [EXIT]

1 HR RATED FIRE WALL OR FIRE BARRIER: - · - · -

2 HR RATED FIRE WALL OR FIRE BARRIER: - · - · -

REMOTE POINT (BEGIN EGRESS): ●

PATH OF TRAVEL: - - - - -

COMMON PATH OF TRAVEL: - · - · -

IMAGINARY LOT LINE: - · - · -

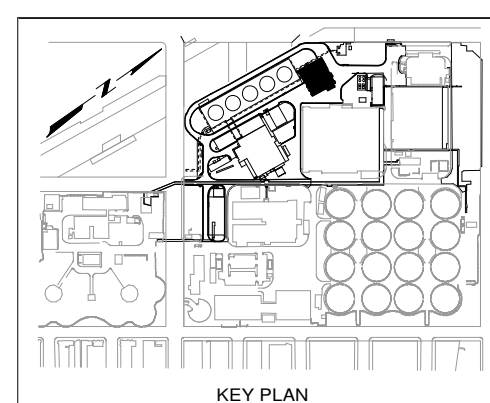
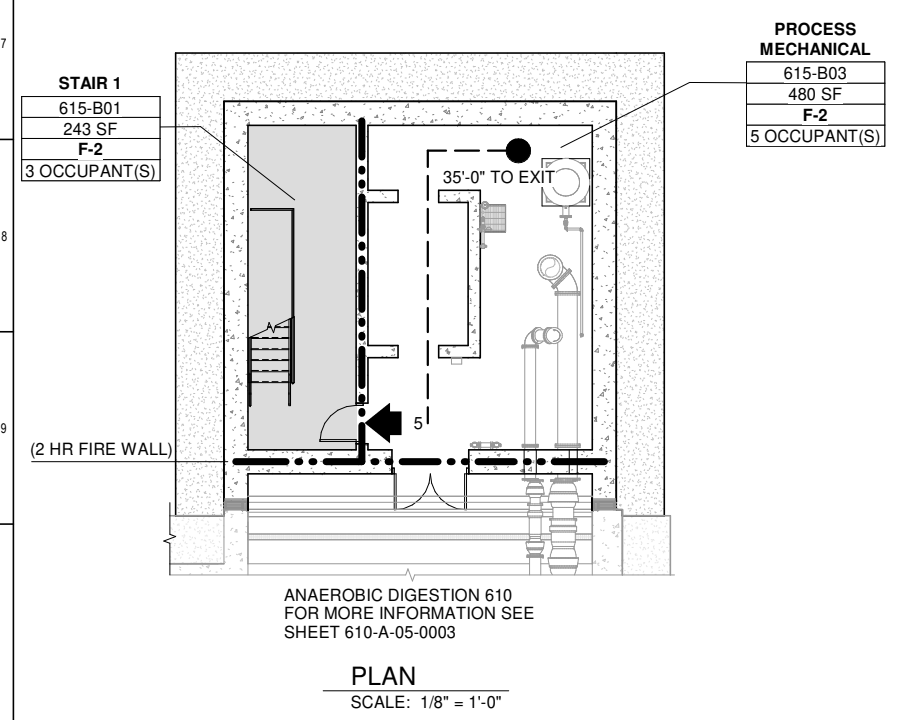
ROOM TAG

SPT-B02	ROOM NUMBER
334 SF	SQUARE FOOTAGE
F-2	OCCUPANT CLASSIFICATION
34 OCCUPANT(S)	NUMBER OF OCCUPANTS

CBC 11B ACCESSIBLE SPACE AND COMMON USE CIRCULATION: [Hatched Box]

DAYLIGHT ZONE: [Diagonal Lines Box]

SPACE	ROOM NUMBER	SQUARE FOOTAGE	GROUP	OCCUPANCY			MIN. NUMBER OF EXIT DOOR REQUIRED
				FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD FACTOR	
STAIR 1	615-B01	243 SF	F-2	CIRCULATION	300 SF	1	1
PROCESS MECHANICAL	615-B03	480 SF	F-2	MECH. EQUIP.	300 SF	2	1
TOTAL:		723 SF				3	



CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

615 - BIOSOLIDS DEWATERING

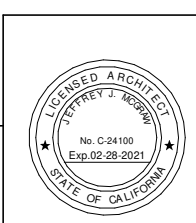
CODE REVIEW BASEMENT PLAN

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-0002	REVISION

BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM

Brown and Caldwell **ch2m**
BLACK & VEATCH

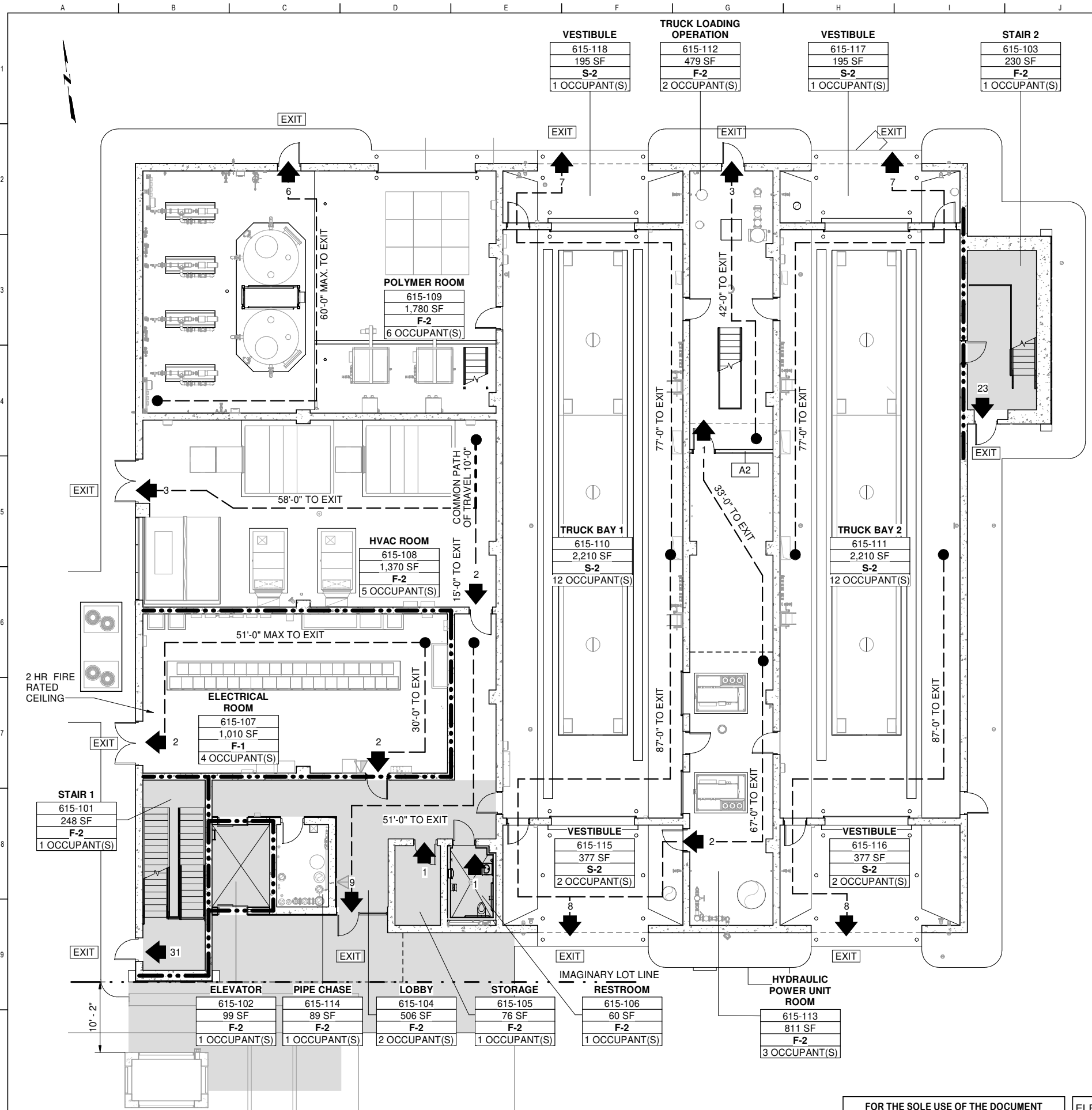
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD



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FOR CONSTRUCTION
Scope II

ELEVATION DATUM
CITY



LEGEND

OCCUPANT LOAD
 1 HR RATED FIRE WALL OR FIRE BARRIER: - · - · -
 2 HR RATED FIRE WALL OR FIRE BARRIER: - · · - · -

REMOTE POINT (BEGIN EGRESS): ●

PATH OF TRAVEL: - - - - -

COMMON PATH OF TRAVEL: - · - · - · -

IMAGINARY LOT LINE: - · · - · -

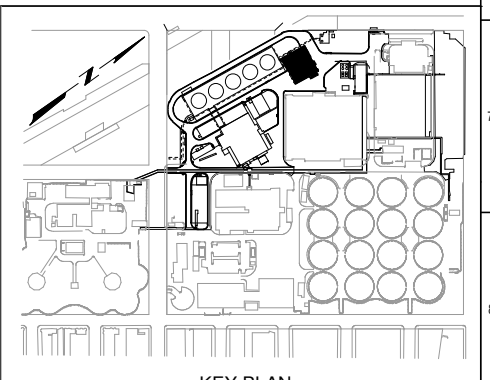
ROOM TAG

SPT-B02	ROOM NUMBER
334 SF	SQUARE FOOTAGE
F-2	OCCUPANT CLASSIFICATION
34 OCCUPANT(S)	NUMBER OF OCCUPANTS

CBC 11B ACCESSIBLE SPACE AND COMMON USE CIRCULATION: [Shaded Area]

DAYLIGHT ZONE: [Hatched Area]

SPACE	ROOM NUMBER	SQUARE FOOTAGE	GROUP	FUNCTION OF SPACE	OCCUPANCY		MIN. NUMBER OF EXIT DOOR REQUIRED
					OCCUPANT LOAD FACTOR	OCCUPANT LOAD FACTOR	
STAIR 1	615-101	248 SF	F-2	CIRCULATION	300 SF	1	1
ELEVATOR	615-102	99 SF	F-2	CIRCULATION	300 SF	1	1
STAIR 2	615-103	230 SF	F-2	CIRCULATION	300 SF	1	1
LOBBY	615-104	506 SF	F-2	CIRCULATION	300 SF	2	1
STORAGE	615-105	76 SF	F-2	MECH. EQUIP.	300 SF	1	1
RESTROOM	615-106	60 SF	F-2	MECH. EQUIP.	100 SF	1	1
ELECTRICAL ROOM	615-107	1,010 SF	F-1	MECH. EQUIP.	300 SF	4	2
HVAC ROOM	615-108	1,370 SF	F-2	MECH. EQUIP.	300 SF	5	1
POLYMER ROOM	615-109	1,780 SF	F-2	MECH. EQUIP.	300 SF	6	1
TRUCK BAY 1	615-110	2,210 SF	S-2	GARAGE	200 SF	12	1
TRUCK BAY 2	615-111	2,210 SF	S-2	GARAGE	200 SF	12	1
TRUCK LOADING OPERATION	615-112	479 SF	F-2	MECH. EQUIP.	300 SF	2	1
HYDRAULIC POWER UNIT ROOM	615-113	811 SF	F-2	MECH. EQUIP.	300 SF	3	1
PIPE CHASE	615-114	89 SF	F-2	MECH. EQUIP.	300 SF	1	1
VESTIBULE	615-115	377 SF	S-2	CIRCULATION	300 SF	2	1
VESTIBULE	615-116	377 SF	S-2	CIRCULATION	300 SF	2	1
VESTIBULE	615-117	195 SF	S-2	CIRCULATION	300 SF	1	1
VESTIBULE	615-118	195 SF	S-2	CIRCULATION	300 SF	1	1
TOTAL:		12,322 SF				58	



KEY PLAN

CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 615 - BIOSOLIDS DEWATERING

CODE REVIEW FIRST FLOOR PLAN

BIOSOLIDS DIGESTER FACILITIES PROJECT
 CONSULTANT TEAM

Brown and Caldwell **ch2m**

PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

NO. DATE DESCRIPTION BY APPRD

REVISIONS



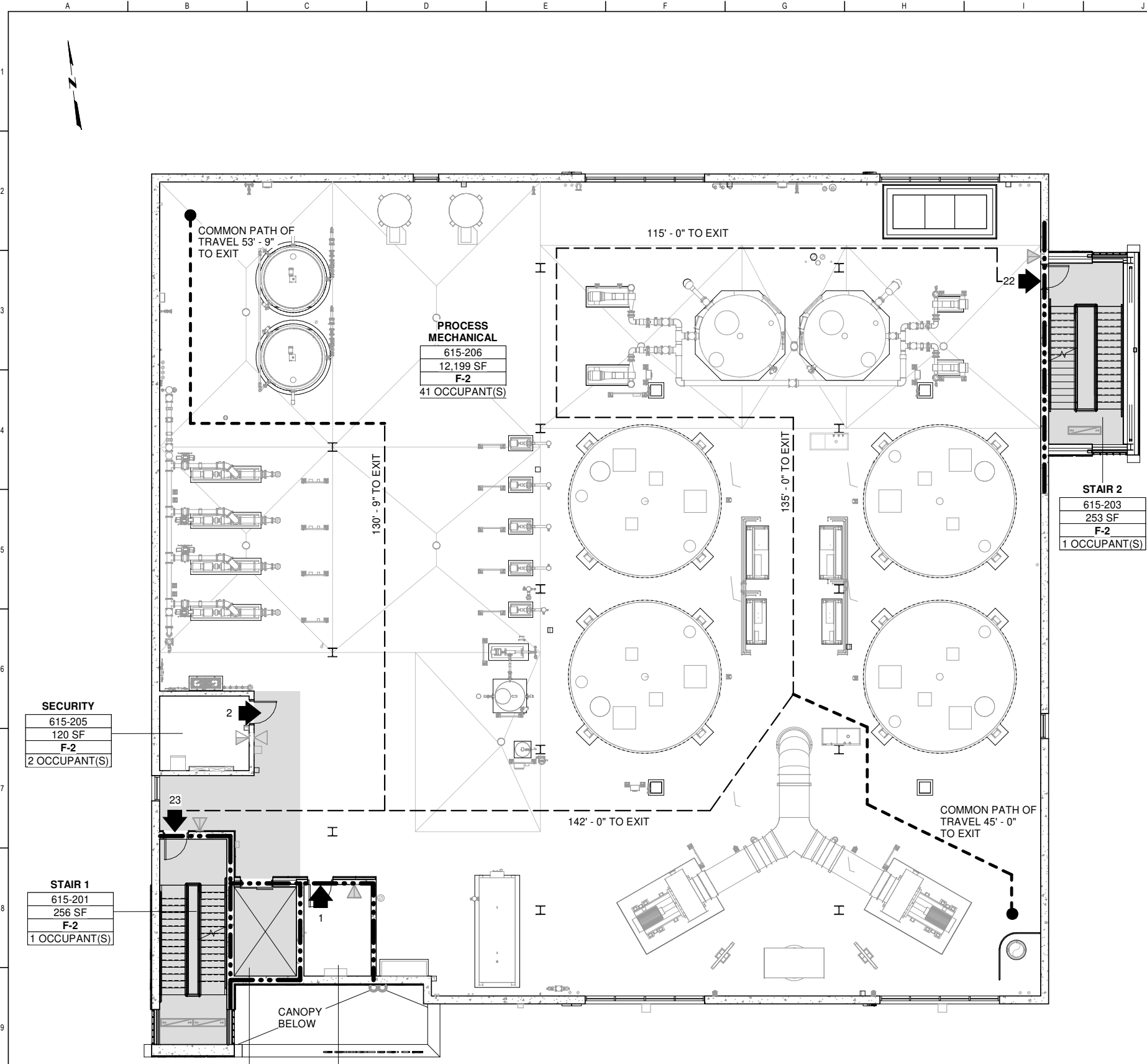
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ELEVATION DATUM
CITY

ANEROBIC DIGESTION 610, FOR MORE INFORMATION SEE SHEET 610-A-05-0004

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



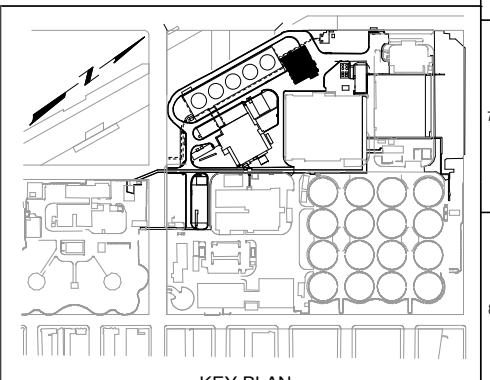
LEGEND

OCCUPANT LOAD
1 HR RATED FIRE WALL OR FIRE BARRIER
2 HR RATED FIRE WALL OR FIRE BARRIER

REMOTE POINT (BEGIN EGRESS)
PATH OF TRAVEL
COMMON PATH OF TRAVEL
IMAGINARY LOT LINE

ROOM TAG
SPT-B02
334 SF
F-2
34 OCCUPANT(S)
CBC 11B ACCESSIBLE SPACE AND COMMON USE CIRCULATION
DAYLIGHT ZONE

SPACE	ROOM NUMBER	SQUARE FOOTAGE	GROUP	OCCUPANCY			MIN. NUMBER OF EXIT DOOR REQUIRED
				FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD FACTOR	
STAIR 1	615-201	256 SF	F-2	CIRCULATION	300 SF	1	1
ELEVATOR	615-202	99 SF	F-2	CIRCULATION	300 SF	1	1
STAIR 2	615-203	253 SF	F-2	CIRCULATION	300 SF	1	1
MACHINE ROOM	615-204	110 SF	F-2	MECH. EQUIP.	300 SF	1	1
SECURITY	615-205	120 SF	F-2	BUSINESS	100 SF	2	1
PROCESS MECHANICAL	615-206	12,199 SF	F-2	MECH. EQUIP.	300 SF	41	2
TOTAL:		13,037 SF					47



CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
CODE REVIEW SECOND FLOOR PLAN

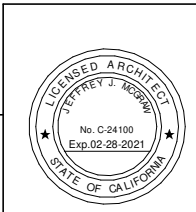
BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM

Brown and Caldwell **ch2m**
BLACK & VEATCH

PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

NO. DATE DESCRIPTION BY APPRD

REVISIONS

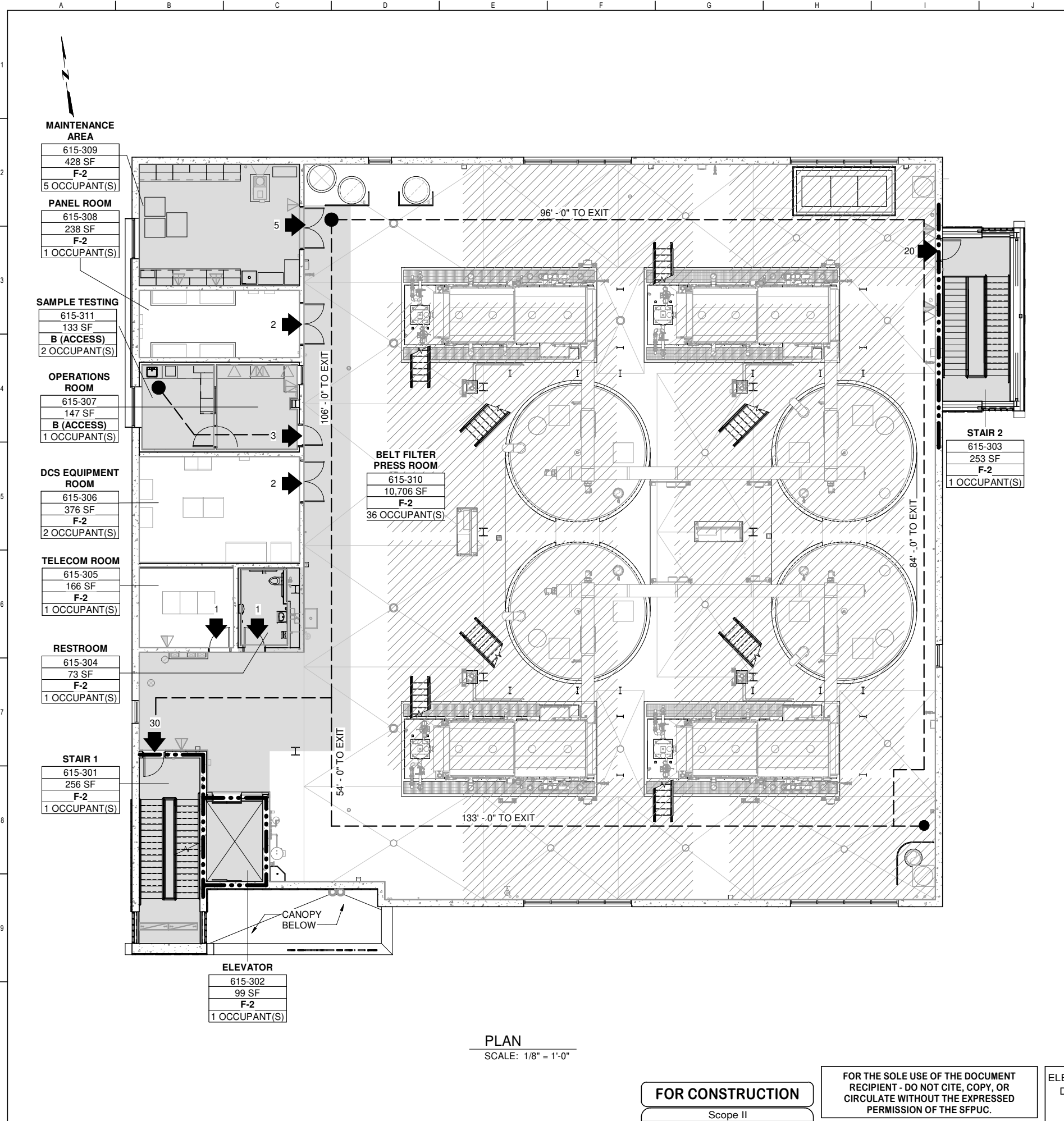


ELEVATION DATUM
CITY

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FOR CONSTRUCTION
Scope II

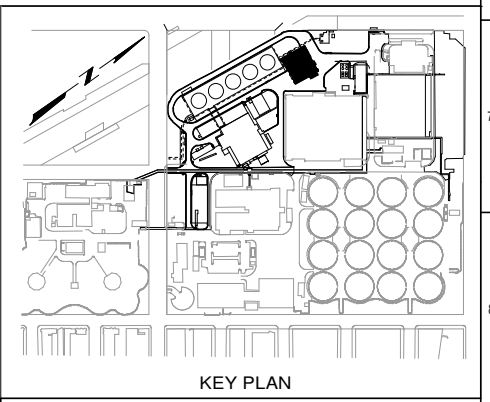
PLAN
SCALE: 1/8" = 1'-0"



LEGEND

<p>OCCUPANT LOAD</p> <p>1 HR RATED FIRE WALL OR FIRE BARRIER</p> <p>2 HR RATED FIRE WALL OR FIRE BARRIER</p>	<p>EXIT</p> <p>## →</p> <p>---●---</p> <p>---●---</p> <p>---●---</p> <p>---●---</p>	<p>REMOTE POINT (BEGIN EGRESS)</p> <p>●</p> <p>PATH OF TRAVEL</p> <p>---●---</p> <p>COMMON PATH OF TRAVEL</p> <p>---●---</p> <p>IMAGINARY LOT LINE</p> <p>---●---</p>	<p>ROOM TAG</p> <table border="1" style="font-size: small;"> <tr><td>SPT-B02</td><td>ROOM NUMBER</td></tr> <tr><td>334 SF</td><td>SQUARE FOOTAGE</td></tr> <tr><td>F-2</td><td>OCCUPANT CLASSIFICATION</td></tr> <tr><td>34 OCCUPANT(S)</td><td>NUMBER OF OCCUPANTS</td></tr> </table> <p>CBC 11B ACCESSIBLE SPACE AND COMMON USE CIRCULATION</p> <p>DAYLIGHT ZONE</p>	SPT-B02	ROOM NUMBER	334 SF	SQUARE FOOTAGE	F-2	OCCUPANT CLASSIFICATION	34 OCCUPANT(S)	NUMBER OF OCCUPANTS
SPT-B02	ROOM NUMBER										
334 SF	SQUARE FOOTAGE										
F-2	OCCUPANT CLASSIFICATION										
34 OCCUPANT(S)	NUMBER OF OCCUPANTS										

SPACE	ROOM NUMBER	SQUARE FOOTAGE	GROUP	OCCUPANCY			MIN. NUMBER OF EXIT DOOR REQUIRED
				FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	OCCUPANT LOAD FACTOR	
STAIR 1	615-301	256 SF	F-2	CIRCULATION	300 SF	1	1
ELEVATOR	615-302	99 SF	F-2	CIRCULATION	300 SF	1	1
STAIR 2	615-303	253 SF	F-2	CIRCULATION	300 SF	1	1
RESTROOM	615-304	73 SF	F-2	MECH. EQUIP.	300 SF	1	1
TELECOM ROOM	615-305	166 SF	F-2	INDUSTRIAL	300 SF	1	1
DCS EQUIPMENT ROOM	615-306	376 SF	F-2	INDUSTRIAL	300 SF	2	1
OPERATIONS ROOM	615-307	147 SF	B (ACCESS)	BUSINESS	300 SF	1	1
PANEL ROOM	615-308	238 SF	F-2	MECH. EQUIP.	300 SF	1	1
MAINTENANCE AREA	615-309	428 SF	F-2	INDUSTRIAL	100 SF	5	1
BELT FILTER PRESS ROOM	615-310	10,706 SF	F-2	MECH. EQUIP.	300 SF	36	2
SAMPLE TESTING	615-311	133 SF	B (ACCESS)	BUSINESS	100 SF	2	1
TOTAL:		12,874 SF				52	



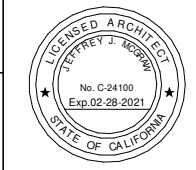
CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
 BIOSOLIDS DIGESTER FACILITIES PROJECT
 615 - BIOSOLIDS DEWATERING

CODE REVIEW THIRD FLOOR PLAN

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM 			
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS			

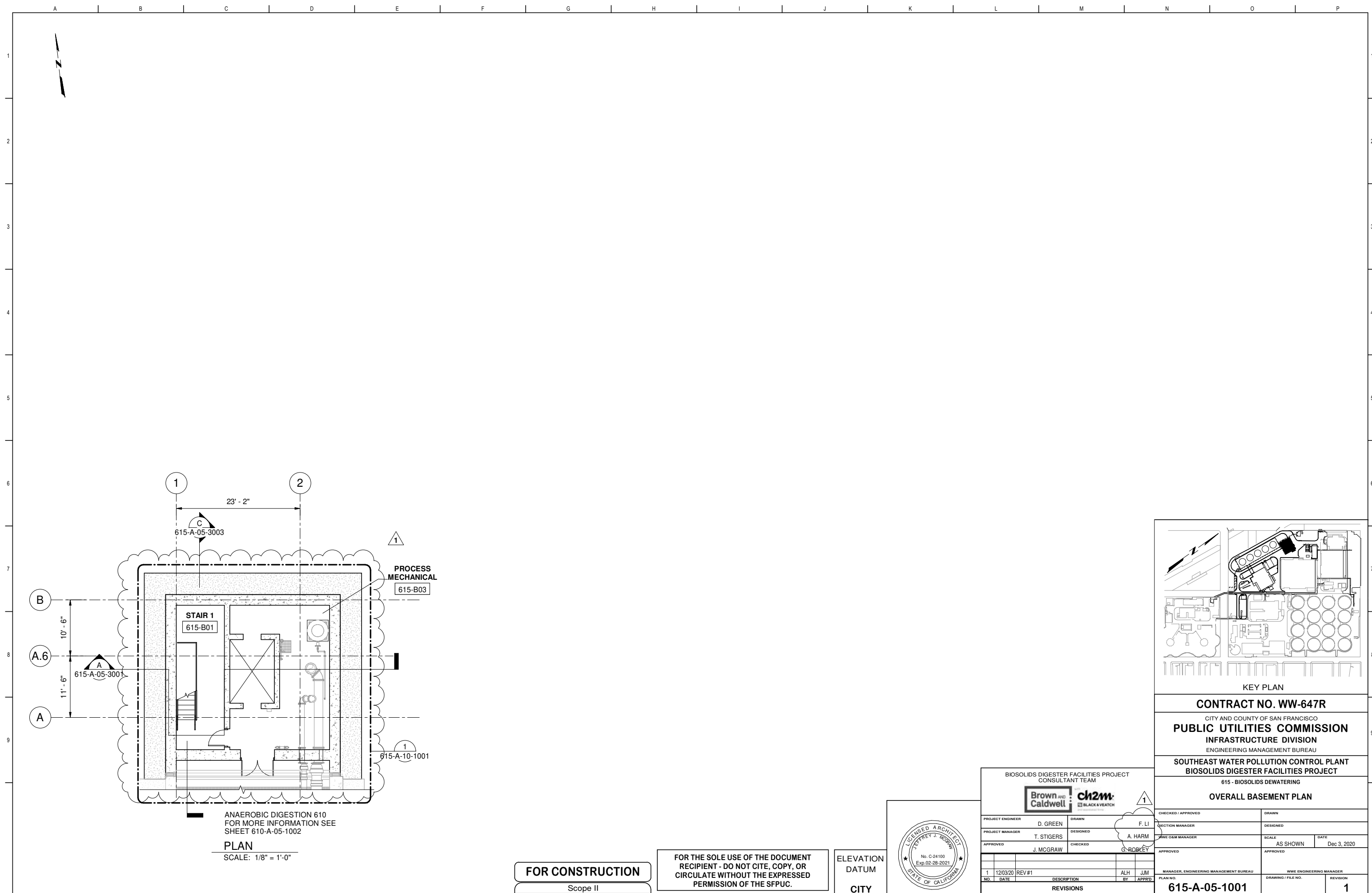


PLAN
SCALE: 1/8" = 1'-0"

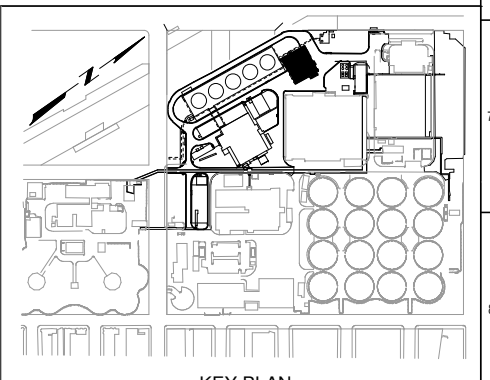
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Scope II

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ELEVATION DATUM
CITY



ANAEROBIC DIGESTION 610
FOR MORE INFORMATION SEE
SHEET 610-A-05-1002
PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN
CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIO SOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
OVERALL BASEMENT PLAN

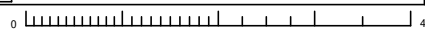
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM					
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI	CHECKED / APPROVED	DRAWN
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM	SECTION MANAGER	DESIGNED
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY	WWE O&M MANAGER	SCALE AS SHOWN DATE Dec 3, 2020
				APPROVED	APPROVED
				MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
1	12/03/20	REV #1	ALH	JJM	PLAN NO. 615-A-05-1001
NO.	DATE	DESCRIPTION	BY	APPRD	DRAWING / FILE NO.
REVISIONS					REVISION 1

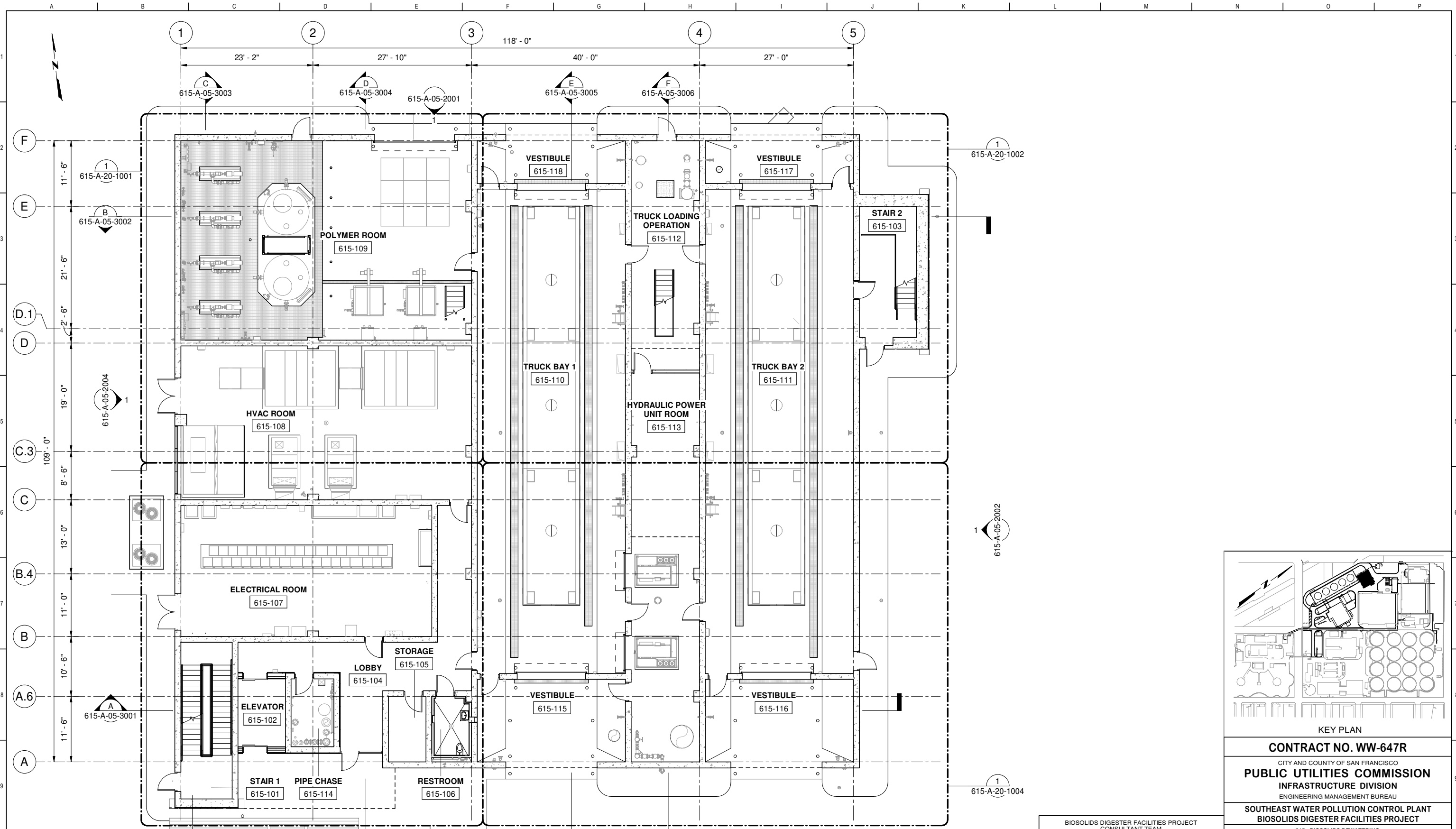


FOR CONSTRUCTION
Scope II

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ELEVATION
DATUM
CITY





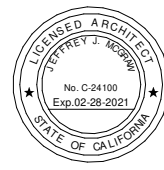
ANAEROBIC DIGESTION 610
FOR MORE INFORMATION SEE
SHEET 610-A-05-1003

PLAN
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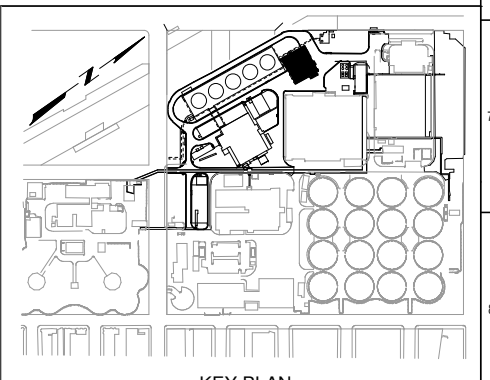
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Scope II

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ELEVATION
DATUM
CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS		BY	APPRD



KEY PLAN

CONTRACT NO. WW-647R

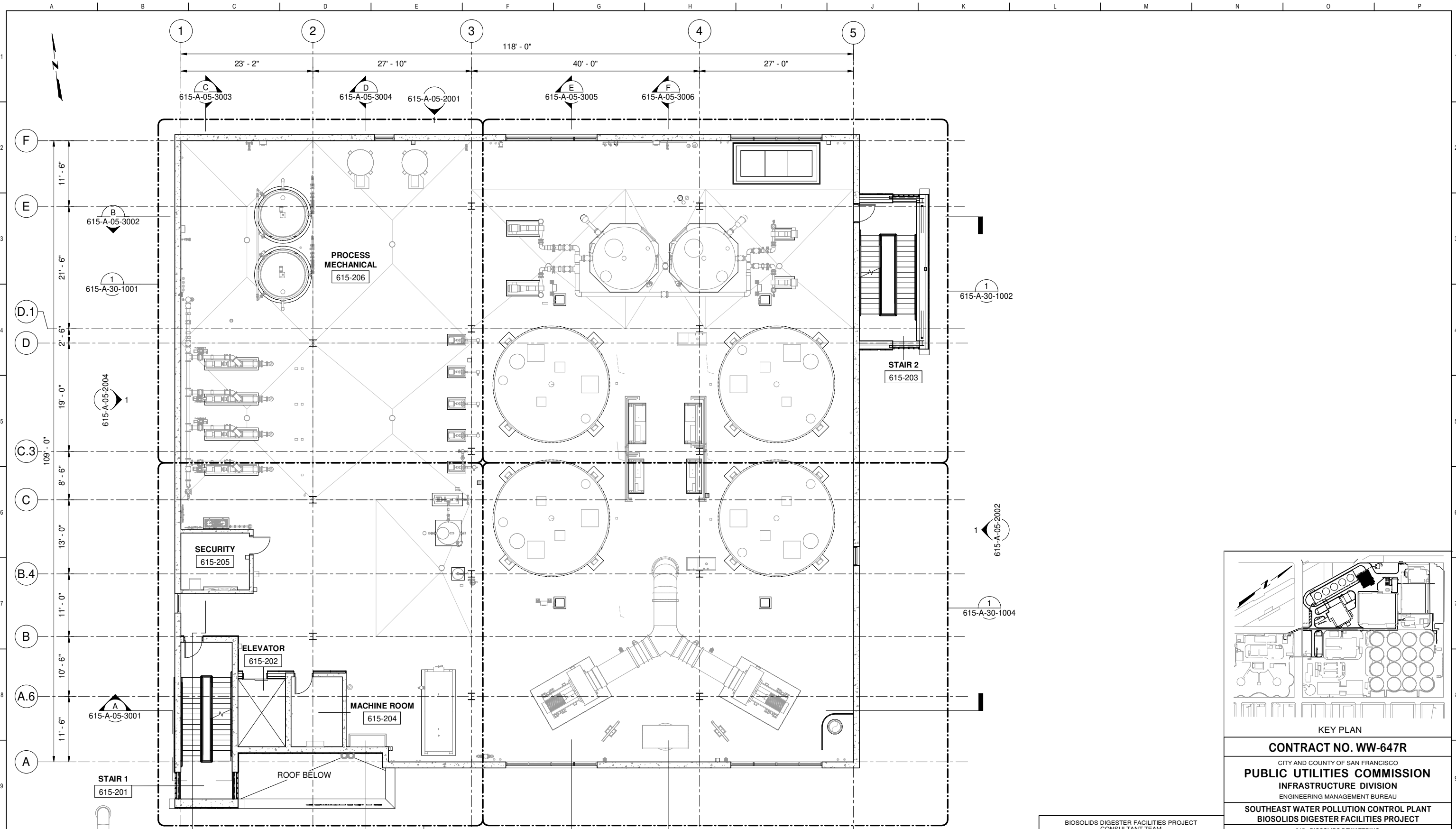
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

615 - BIOSOLIDS DEWATERING

OVERALL FIRST FLOOR PLAN

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	DATE
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-1002	REVISION

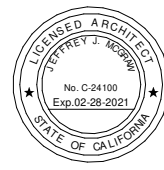


PLAN
SCALE: 1/8" = 1'-0"

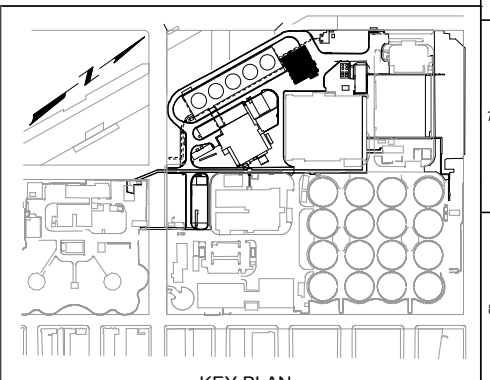
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Scope II

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ELEVATION DATUM
CITY

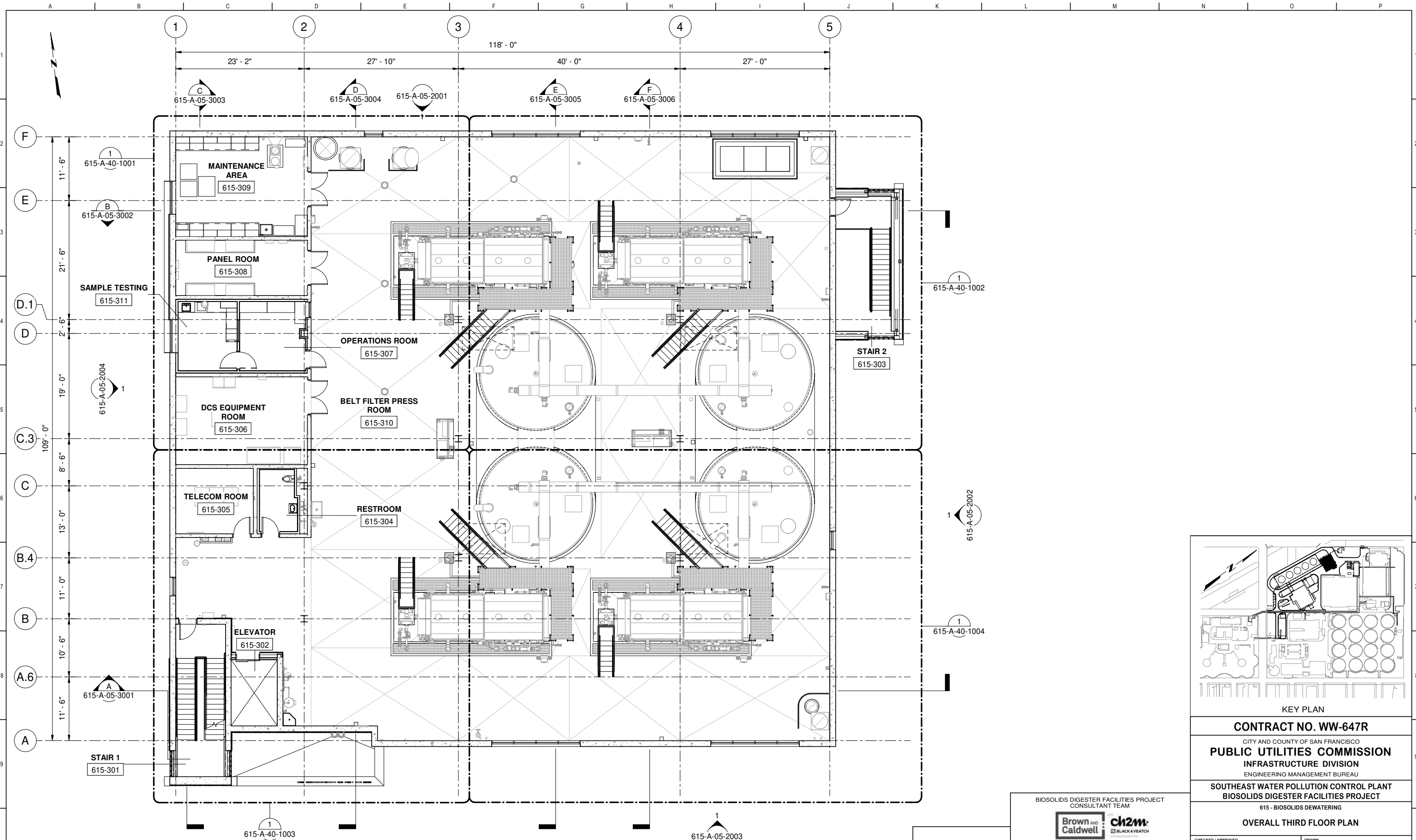


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS		BY	APPRD



CONTRACT NO. WW-647R
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PUBLIC UTILITIES COMMISSION
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SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
OVERALL SECOND FLOOR PLAN

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	DATE
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-1003	REVISION

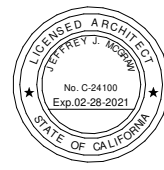


PLAN
SCALE: 1/8" = 1'-0"

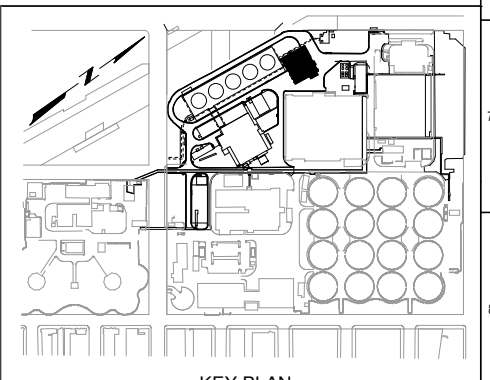
FOR CONSTRUCTION
Scope II

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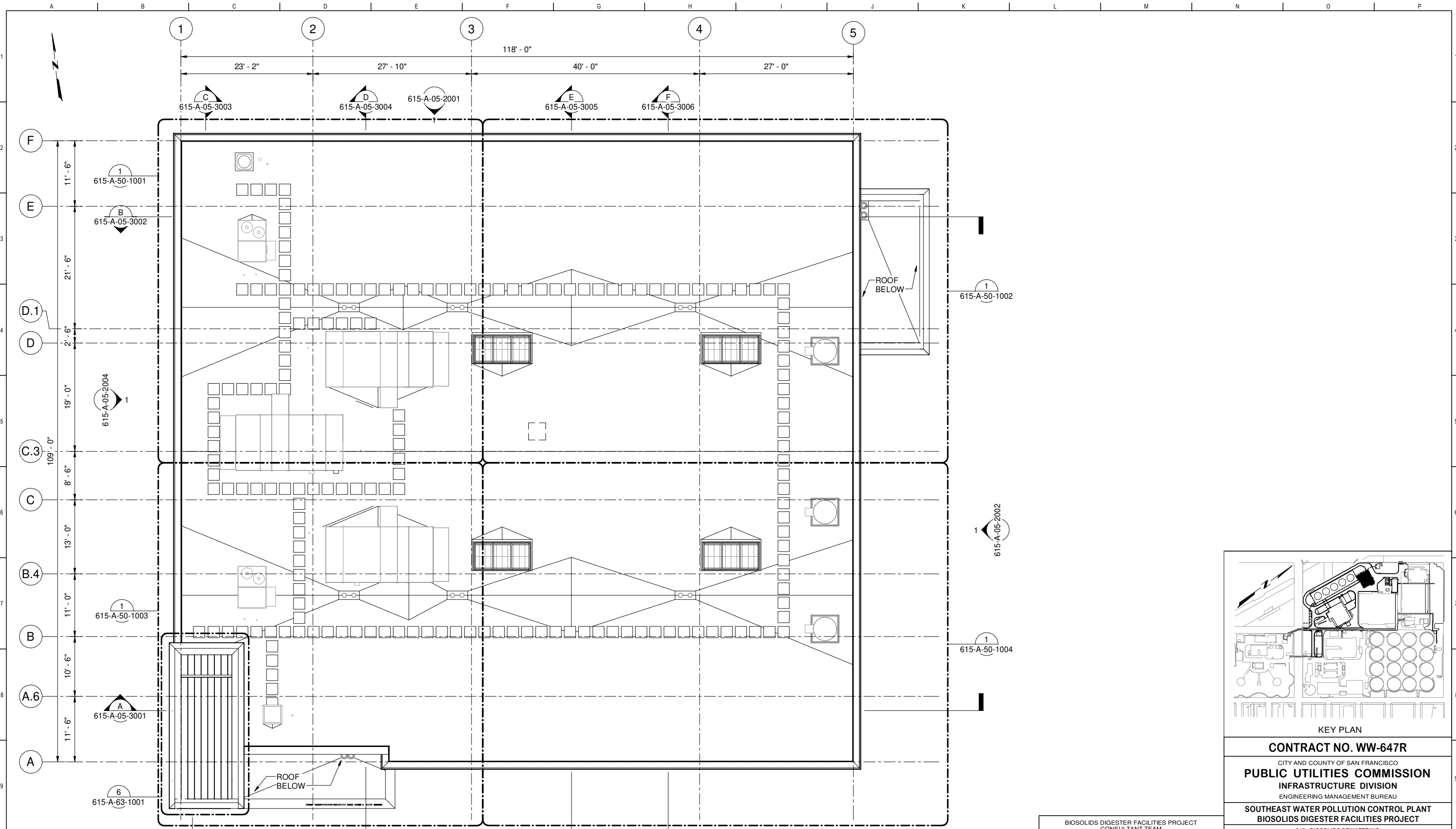


BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS		BY	APPRD



CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
OVERALL THIRD FLOOR PLAN

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	DATE
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-1004	REVISION



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

FOR CONSTRUCTION
Scope II

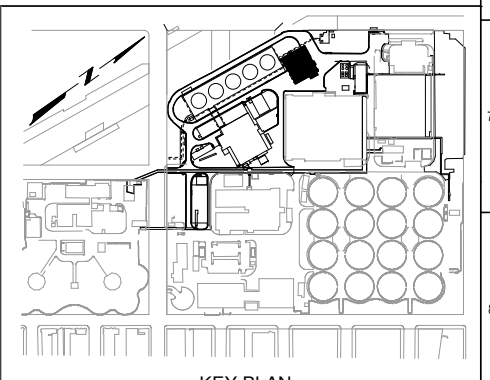
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ELEVATION
DATUM
CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM

PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD



KEY PLAN

CONTRACT NO. WW-647R

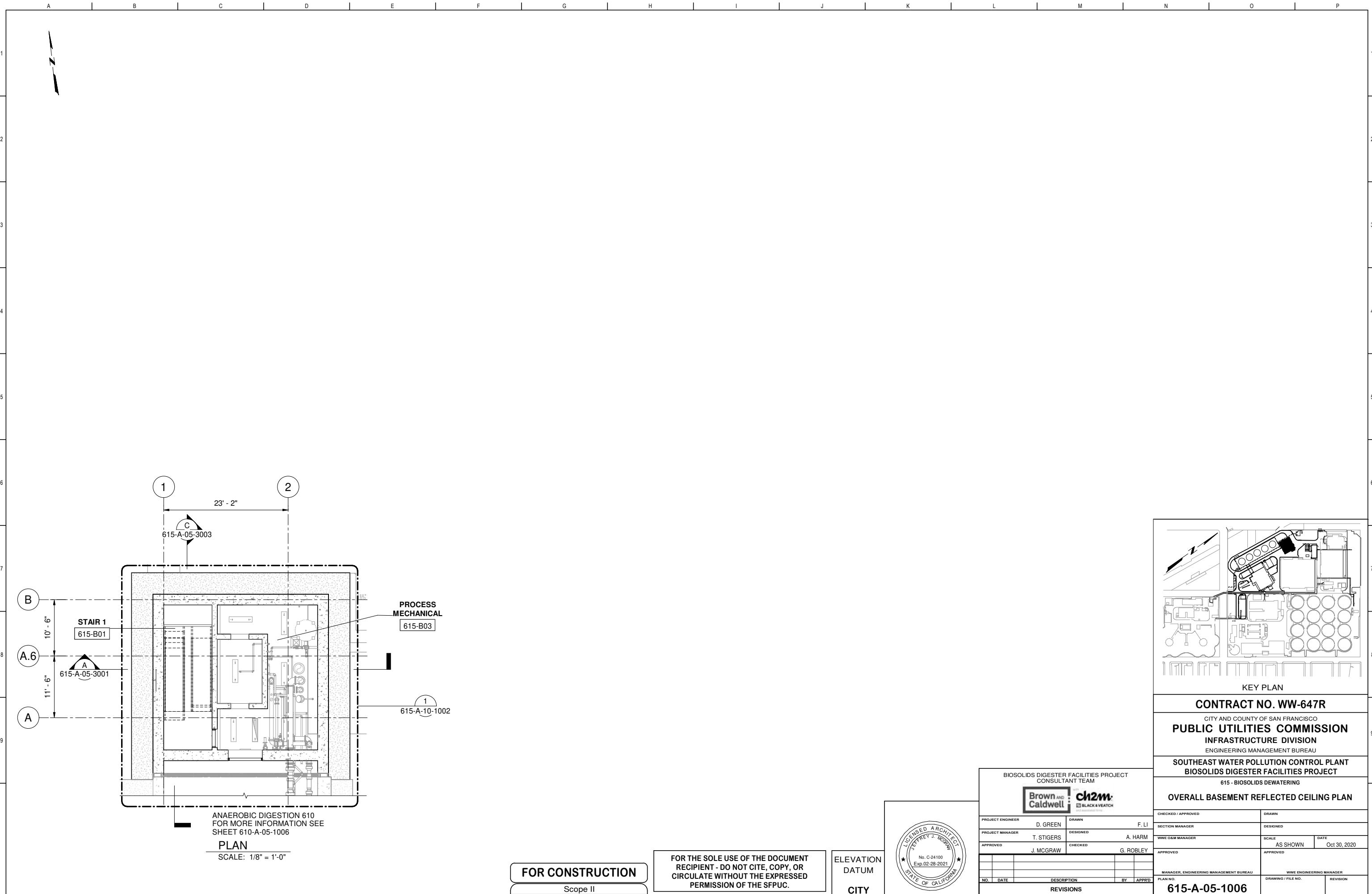
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

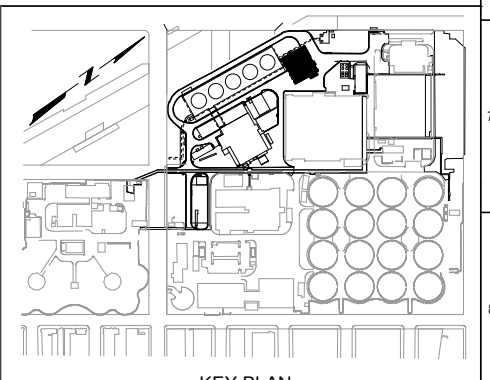
615 - BIOSOLIDS DEWATERING

OVERALL ROOF PLAN

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE Oct 30, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 615-A-05-1005	DRAWING / FILE NO.
	REVISION



ANAEROBIC DIGESTION 610
FOR MORE INFORMATION SEE
SHEET 610-A-05-1006
PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN

CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIO SOLIDS DIGESTER FACILITIES PROJECT

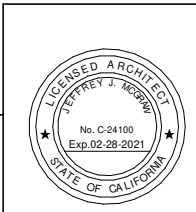
615 - BIOSOLIDS DEWATERING

OVERALL BASEMENT REFLECTED CEILING PLAN

BIOSOLIDS DIGESTER FACILITIES PROJECT
CONSULTANT TEAM

PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

NO.	DATE	DESCRIPTION	BY	APPRD.
REVISIONS				

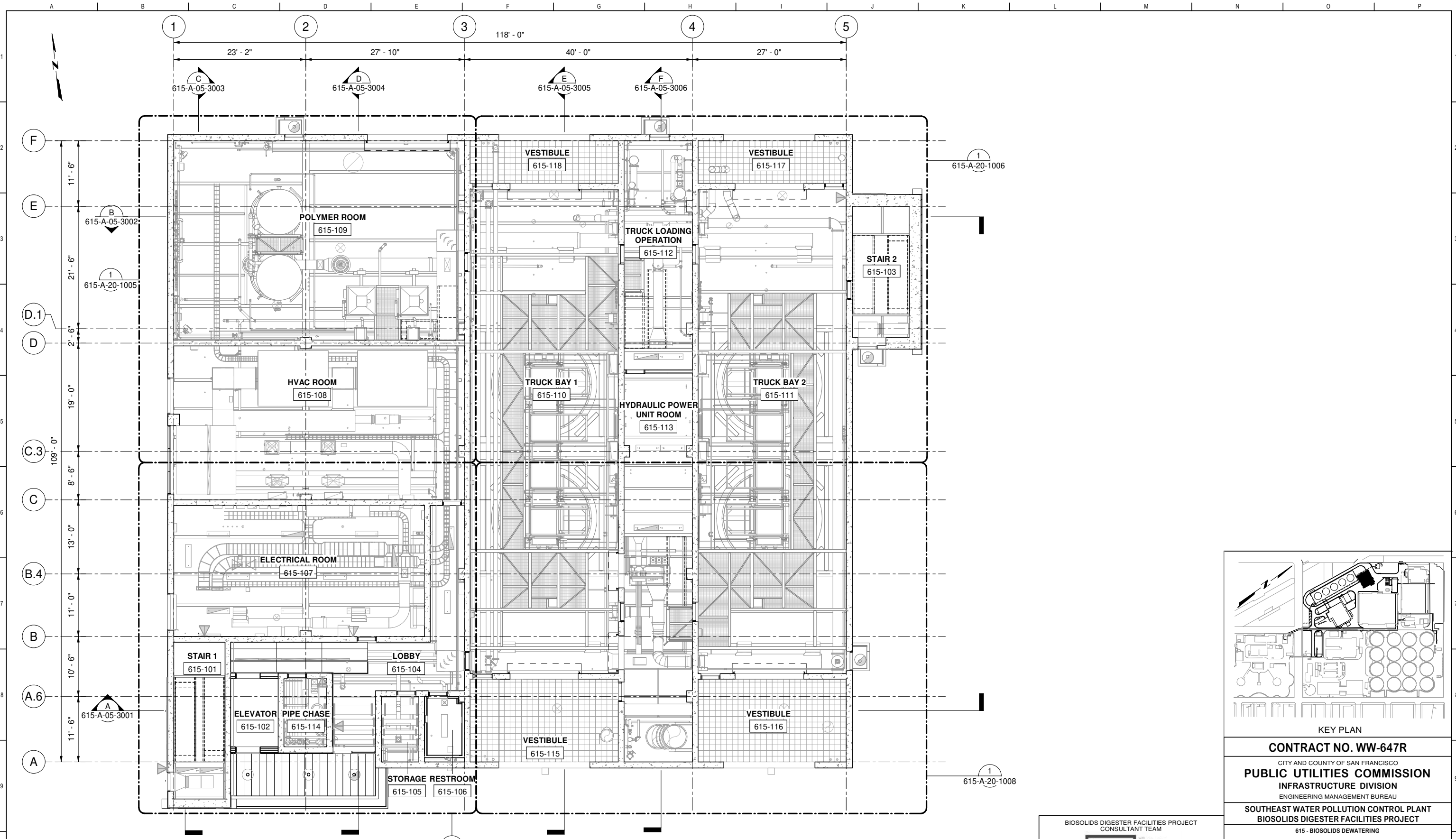


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ELEVATION
DATUM
CITY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-1006	
REVISION	

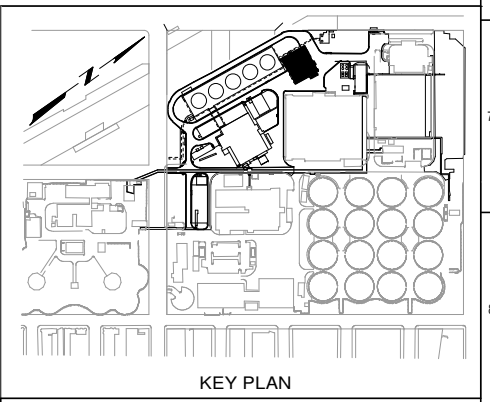
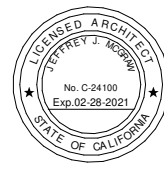


PLAN
SCALE: 1/8" = 1'-0"

FOR CONSTRUCTION
Scope II

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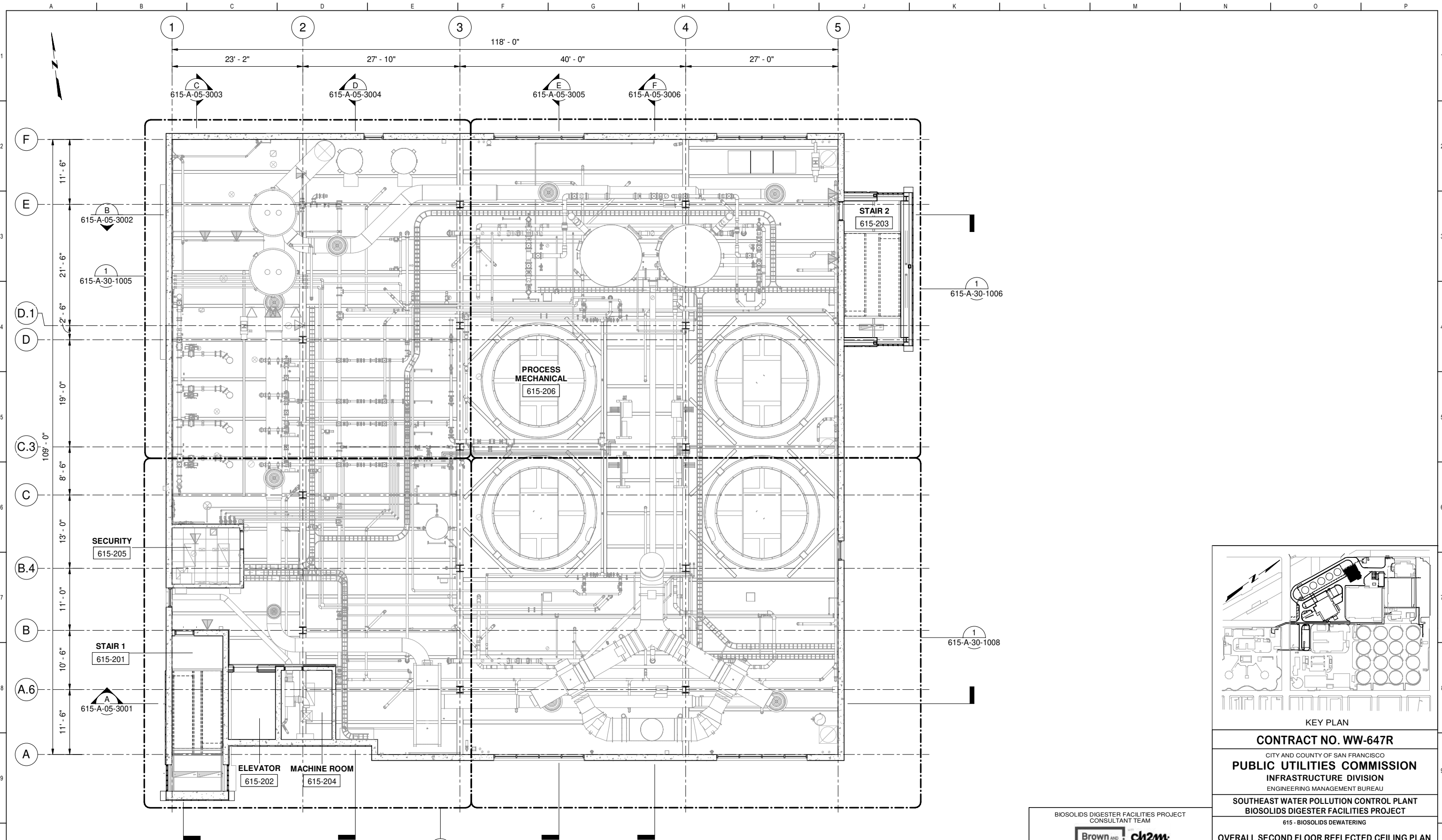
ELEVATION
DATUM
CITY



CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
OVERALL FIRST FLOOR REFLECTED CEILING PLAN

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
		REVISIONS	APPRD

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-1007	REVISION

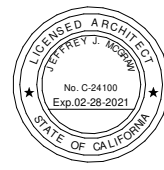


PLAN
SCALE: 1/8" = 1'-0"

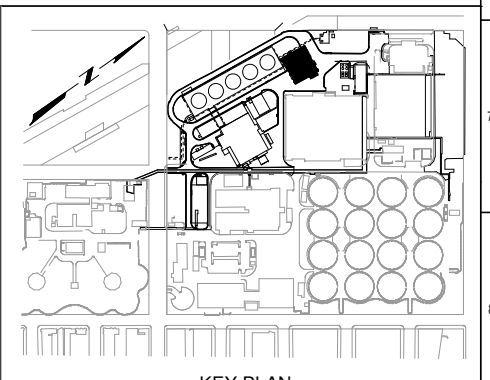
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Scope II

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ELEVATION DATUM
CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell		ch2m BLACK & VEATCH	
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY / APPRD
REVISIONS			



KEY PLAN

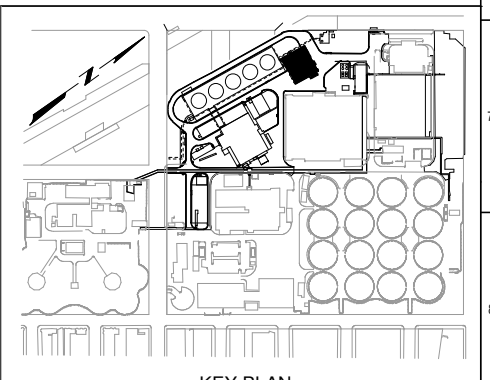
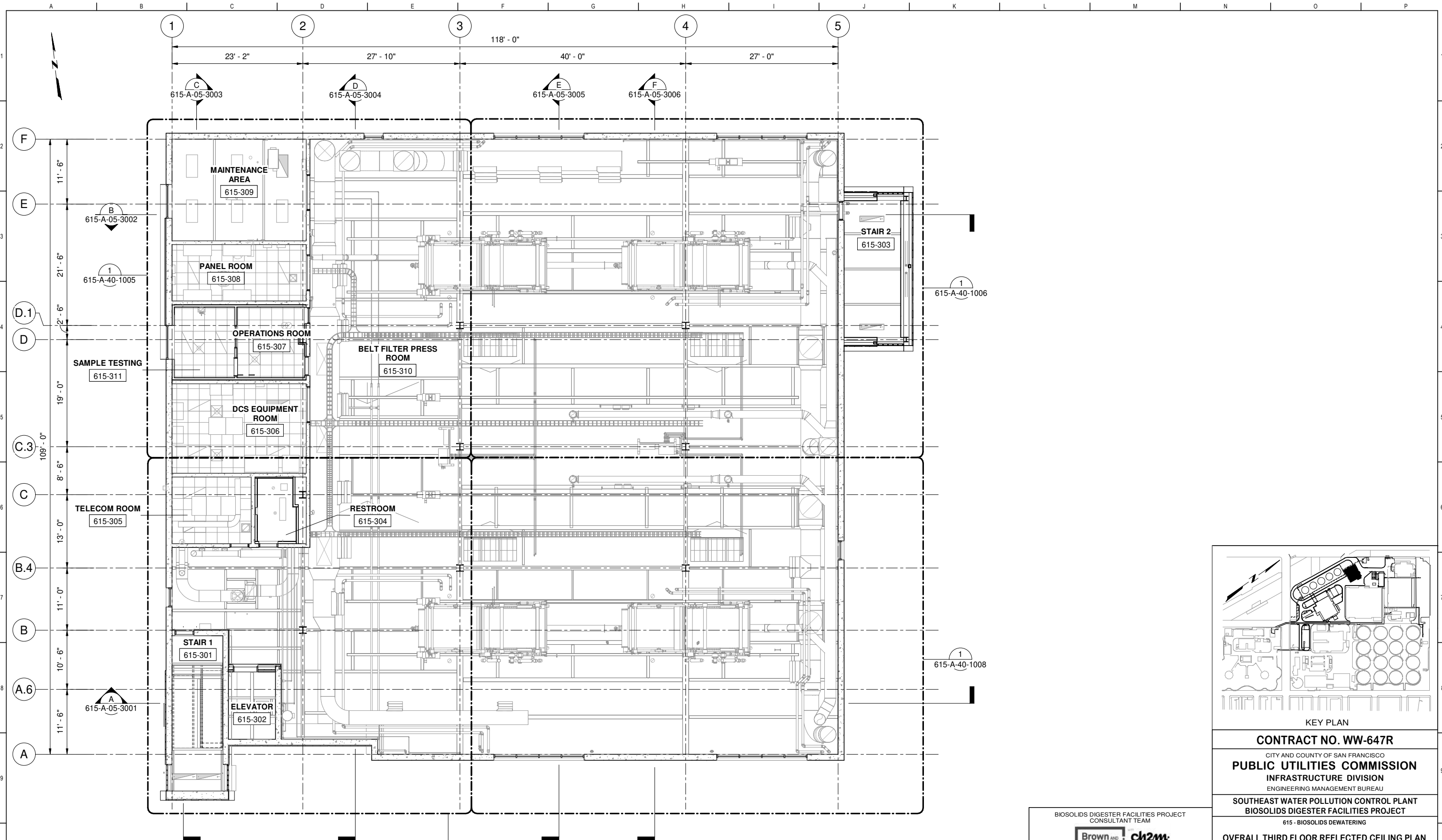
CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING

OVERALL SECOND FLOOR REFLECTED CEILING PLAN

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-1008	REVISION



KEY PLAN

CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
 615 - BIOSOLIDS DEWATERING

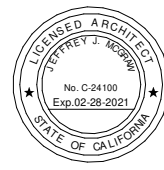
OVERALL THIRD FLOOR REFLECTED CEILING PLAN

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

FOR CONSTRUCTION
 Scope II

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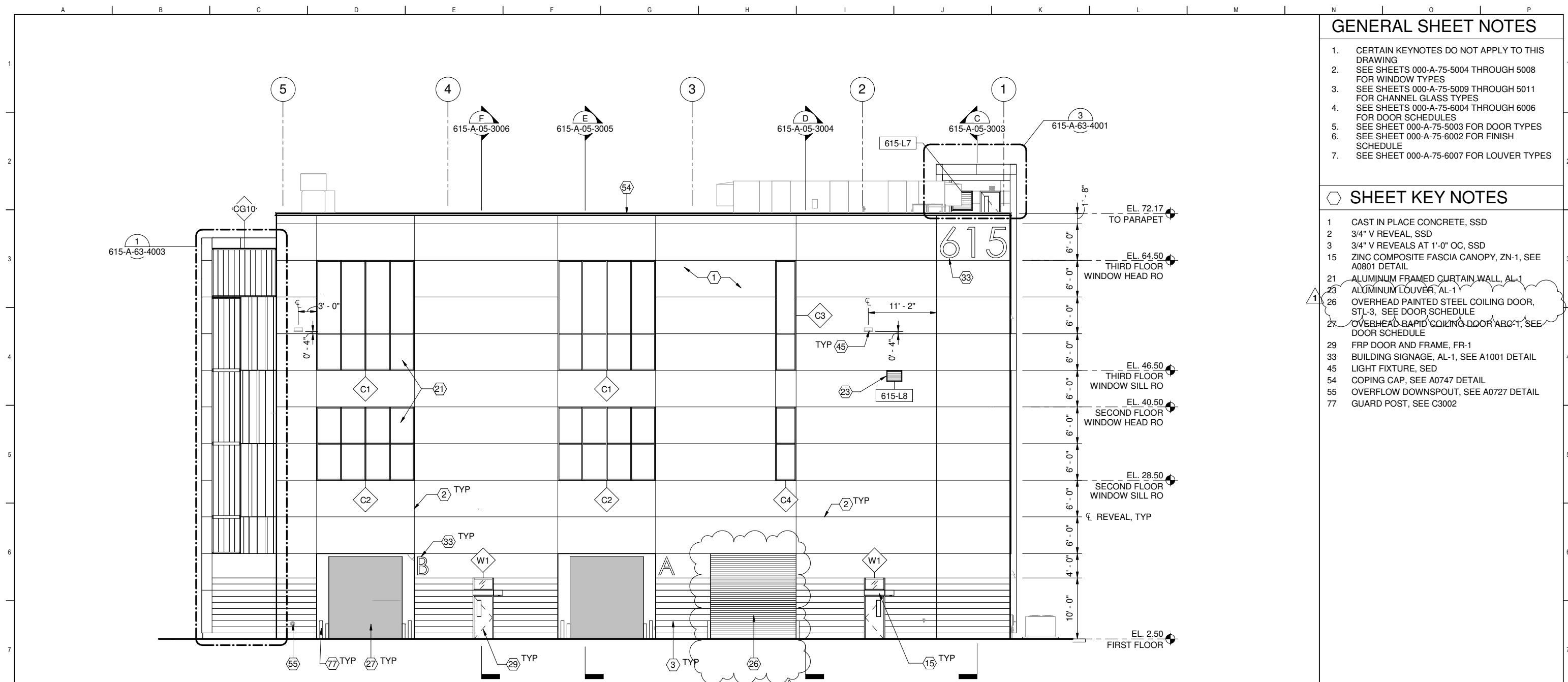
ELEVATION
 DATUM
 CITY



BIOSOLIDS DIGESTER FACILITIES PROJECT
 CONSULTANT TEAM

PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE AS SHOWN	DATE Oct 30, 2020
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO. 615-A-05-1009	DRAWING / FILE NO.	REVISION



GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6002 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES

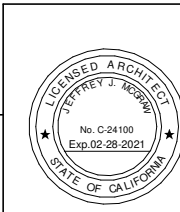
SHEET KEY NOTES

- 1 CAST IN PLACE CONCRETE, SSD
- 2 3/4" V REVEAL, SSD
- 3 3/4" V REVEALS AT 1'-0" OC, SSD
- 15 ZINC COMPOSITE FASCIA CANOPY, ZN-1, SEE A0801 DETAIL
- 21 ALUMINUM FRAMED CURTAIN WALL, AL-1
- 23 ALUMINUM LOUVER, AL-1
- 26 OVERHEAD PAINTED STEEL COILING DOOR, STL-3, SEE DOOR SCHEDULE
- 27 OVERHEAD RAPID COILING DOOR ABC-1, SEE DOOR SCHEDULE
- 29 FRP DOOR AND FRAME, FR-1
- 33 BUILDING SIGNAGE, AL-1, SEE A1001 DETAIL
- 45 LIGHT FIXTURE, SED
- 54 COPING CAP, SEE A0747 DETAIL
- 55 OVERFLOW DOWNSPOUT, SEE A0727 DETAIL
- 77 GUARD POST, SEE C3002

ELEVATION
615-A-05-1002 SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
NORTH ELEVATION

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
12/17/20	REV #1		ALH JJM
REVISIONS		DATE	BY

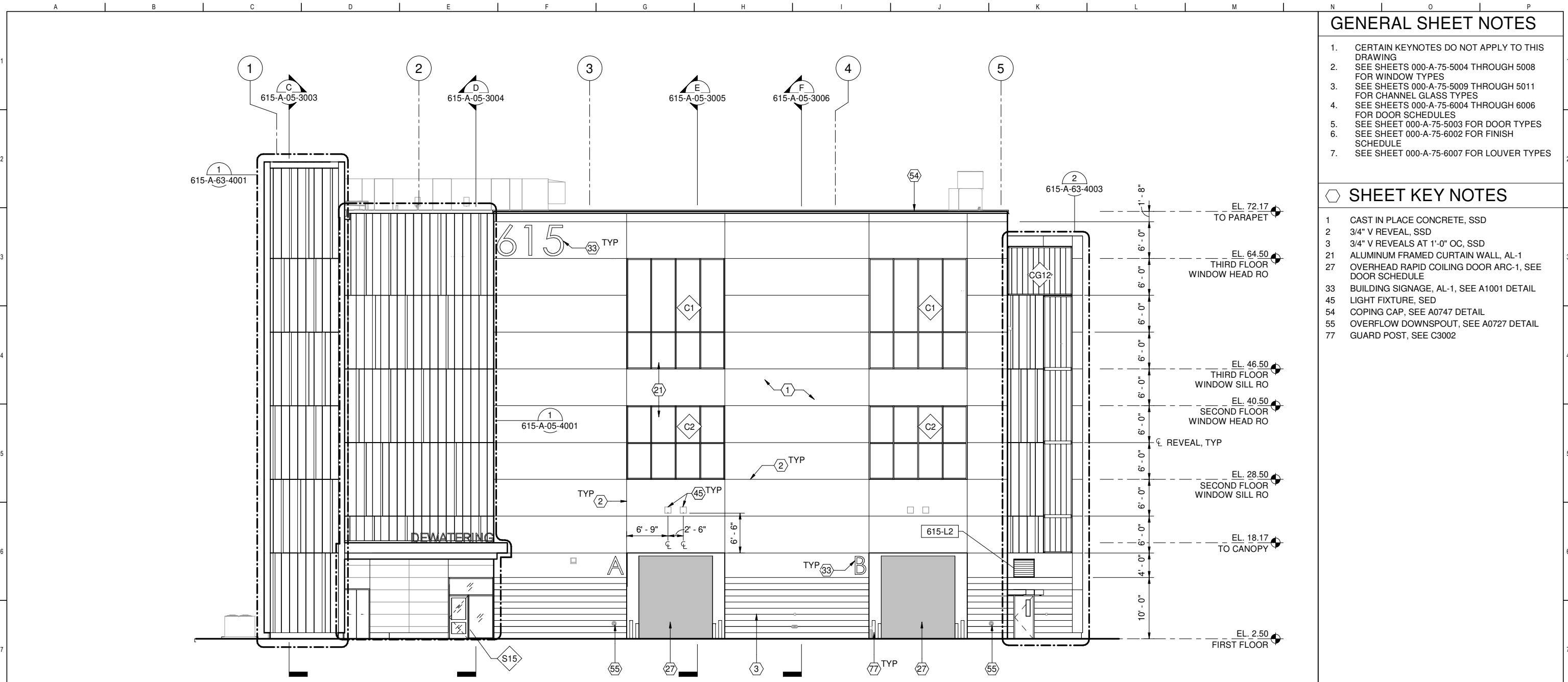


FOR CONSTRUCTION
Scope II

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ELEVATION DATUM
CITY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Dec 17, 2020
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-2001	1



1 ELEVATION
615-A-05-1002 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

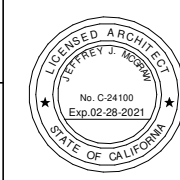
1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6002 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES

SHEET KEY NOTES

- 1 CAST IN PLACE CONCRETE, SSD
- 2 3/4" V REVEAL, SSD
- 3 3/4" V REVEALS AT 1'-0" OC, SSD
- 21 ALUMINUM FRAMED CURTAIN WALL, AL-1
- 27 OVERHEAD RAPID COILING DOOR ARC-1, SEE DOOR SCHEDULE
- 33 BUILDING SIGNAGE, AL-1, SEE A1001 DETAIL
- 45 LIGHT FIXTURE, SED
- 54 COPING CAP, SEE A0747 DETAIL
- 55 OVERFLOW DOWNSPOUT, SEE A0727 DETAIL
- 77 GUARD POST, SEE C3002

CONTRACT NO. WW-647R
 CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
 INFRASTRUCTURE DIVISION
 ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
 615 - BIOSOLIDS DEWATERING
SOUTH ELEVATION

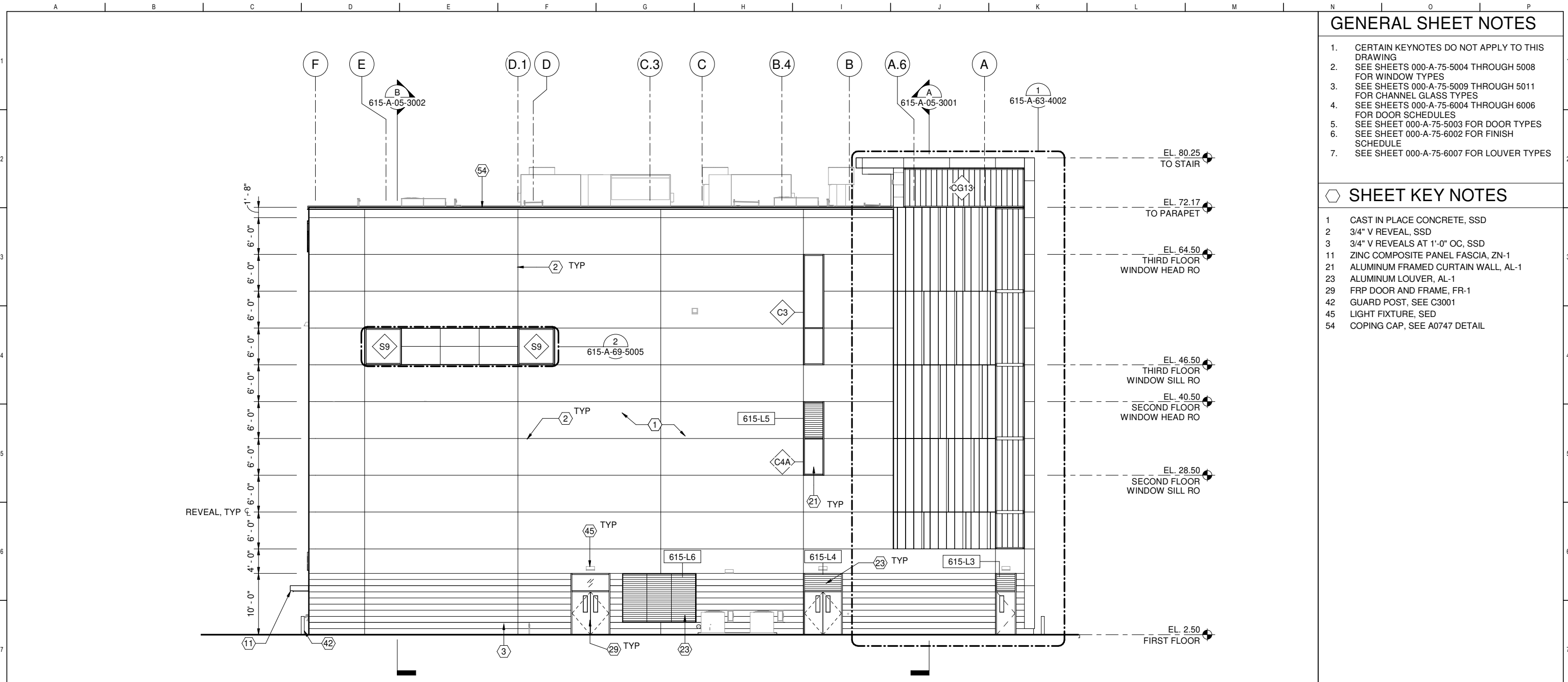
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS			



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FOR CONSTRUCTION
Scope II

ELEVATION DATUM
CITY



1 ELEVATION
615-A-05-1002 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

1. CERTAIN KEYNOTES DO NOT APPLY TO THIS DRAWING
2. SEE SHEETS 000-A-75-5004 THROUGH 5008 FOR WINDOW TYPES
3. SEE SHEETS 000-A-75-5009 THROUGH 5011 FOR CHANNEL GLASS TYPES
4. SEE SHEETS 000-A-75-6004 THROUGH 6006 FOR DOOR SCHEDULES
5. SEE SHEET 000-A-75-5003 FOR DOOR TYPES
6. SEE SHEET 000-A-75-6002 FOR FINISH SCHEDULE
7. SEE SHEET 000-A-75-6007 FOR LOUVER TYPES

SHEET KEY NOTES

- 1 CAST IN PLACE CONCRETE, SSD
- 2 3/4" V REVEAL, SSD
- 3 3/4" V REVEALS AT 1'-0" OC, SSD
- 11 ZINC COMPOSITE PANEL FASCIA, ZN-1
- 21 ALUMINUM FRAMED CURTAIN WALL, AL-1
- 23 ALUMINUM LOUVER, AL-1
- 29 FRP DOOR AND FRAME, FR-1
- 42 GUARD POST, SEE C3001
- 45 LIGHT FIXTURE, SED
- 54 COPING CAP, SEE A0747 DETAIL

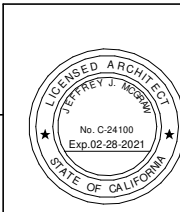
CONTRACT NO. WW-647R

CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU

SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT

615 - BIOSOLIDS DEWATERING
WEST ELEVATION

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. ROBLEY
NO.	DATE	DESCRIPTION	BY
REVISIONS			

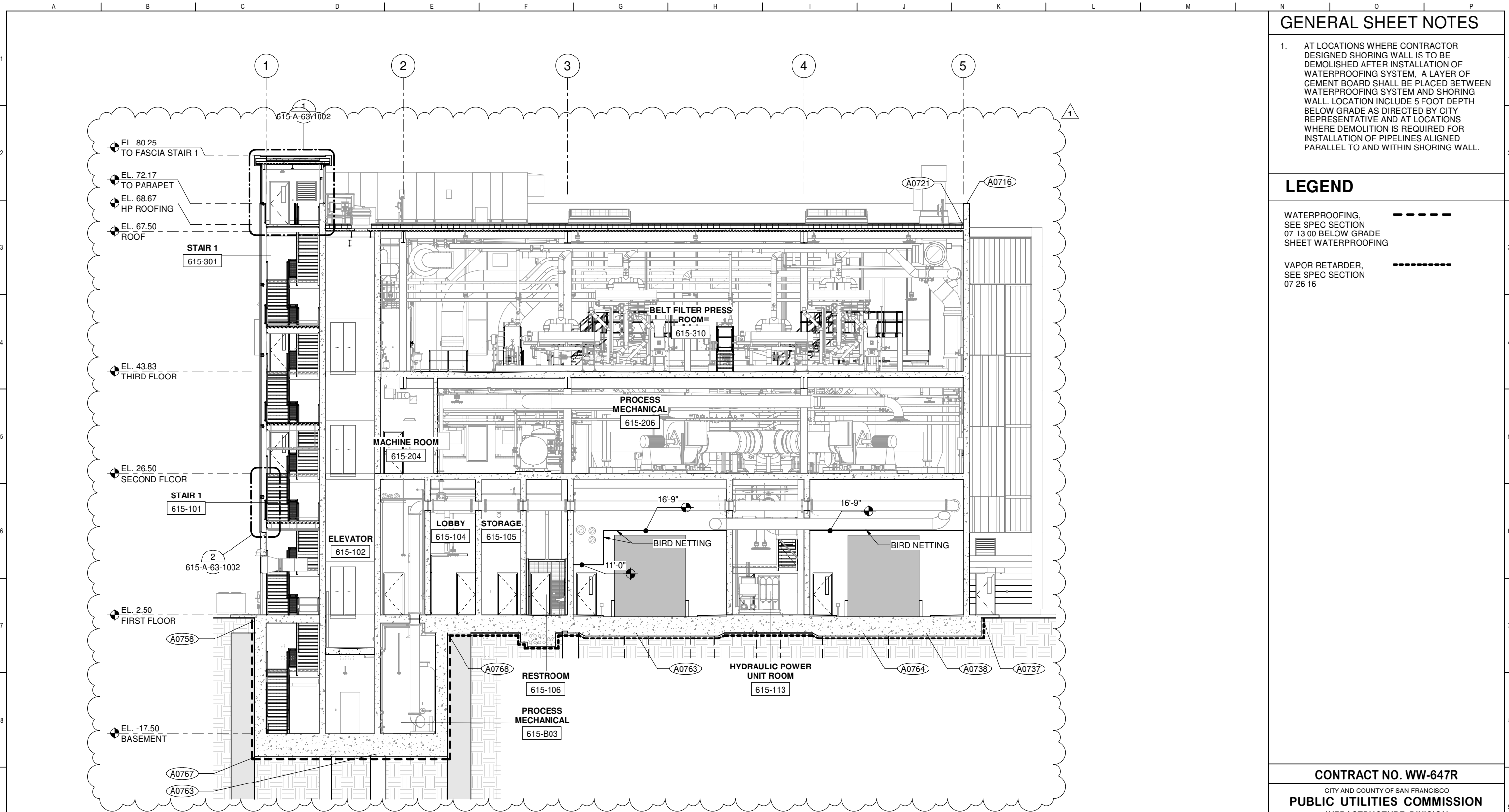


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FOR CONSTRUCTION
Scope II

ELEVATION
DATUM
CITY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	Oct 30, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-2004	REVISION



SECTION
615-A-05-1001 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

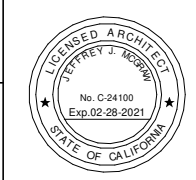
- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
BUILDING SECTION

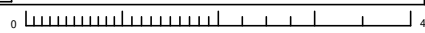
BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM					
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI	CHECKED / APPROVED	DRAWN
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM	SECTION MANAGER	DESIGNED
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY	WWE O&M MANAGER	SCALE AS SHOWN
					DATE Dec 3, 2020
				APPROVED	APPROVED
				MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
				PLAN NO.	DRAWING / FILE NO.
				615-A-05-3001	1

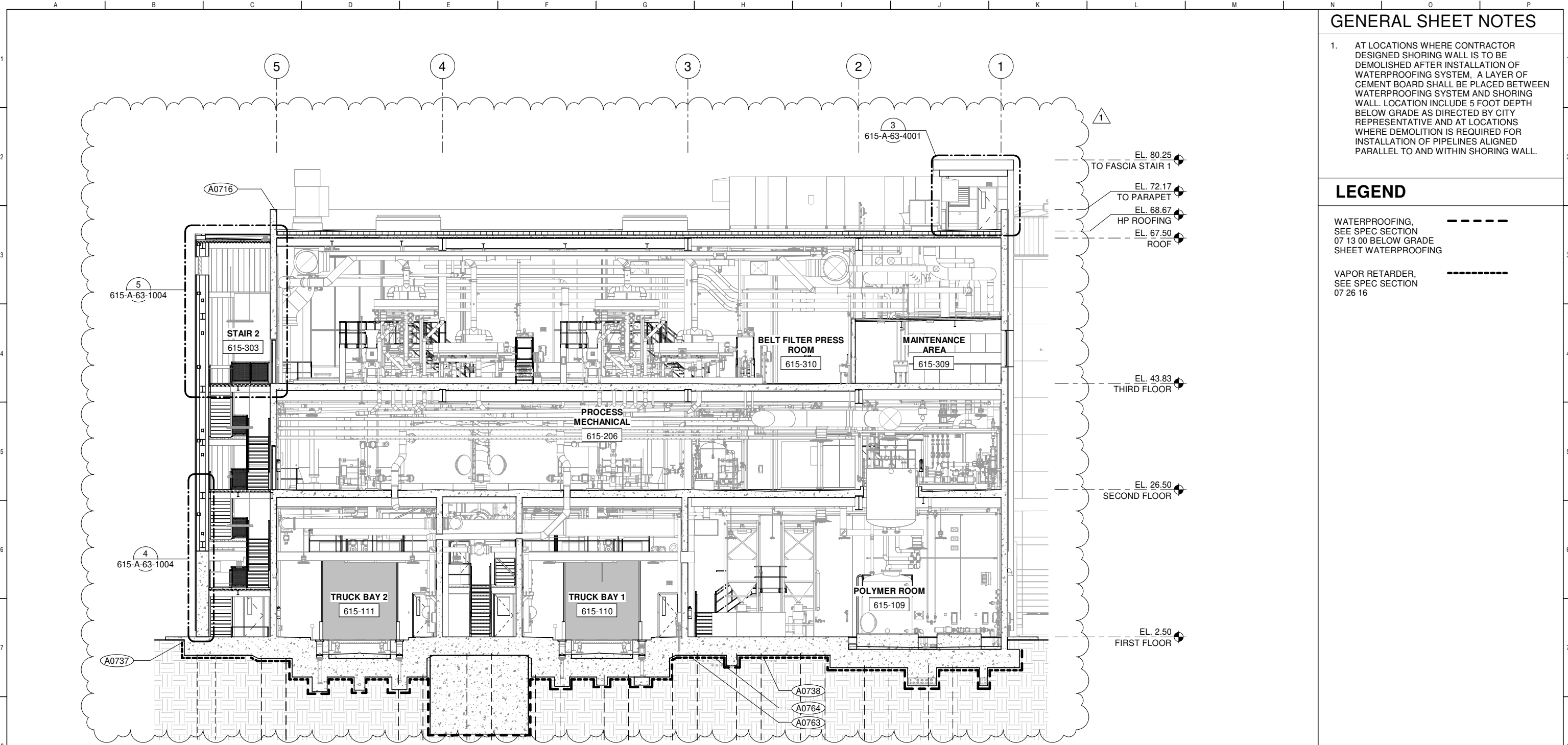


FOR CONSTRUCTION
Scope II

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ELEVATION DATUM
CITY





GENERAL SHEET NOTES

- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

B SECTION
615-A-05-1002 SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
BUILDING SECTION

BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
PROJECT ENGINEER	D. GREEN	DRAWN	F. LI
PROJECT MANAGER	T. STIGERS	DESIGNED	A. HARM
APPROVED	J. MCGRAW	CHECKED	G. BOBLEY
NO.	DATE	DESCRIPTION	ALH BY
12/03/20	REV #1		JJM APPRD
REVISIONS			

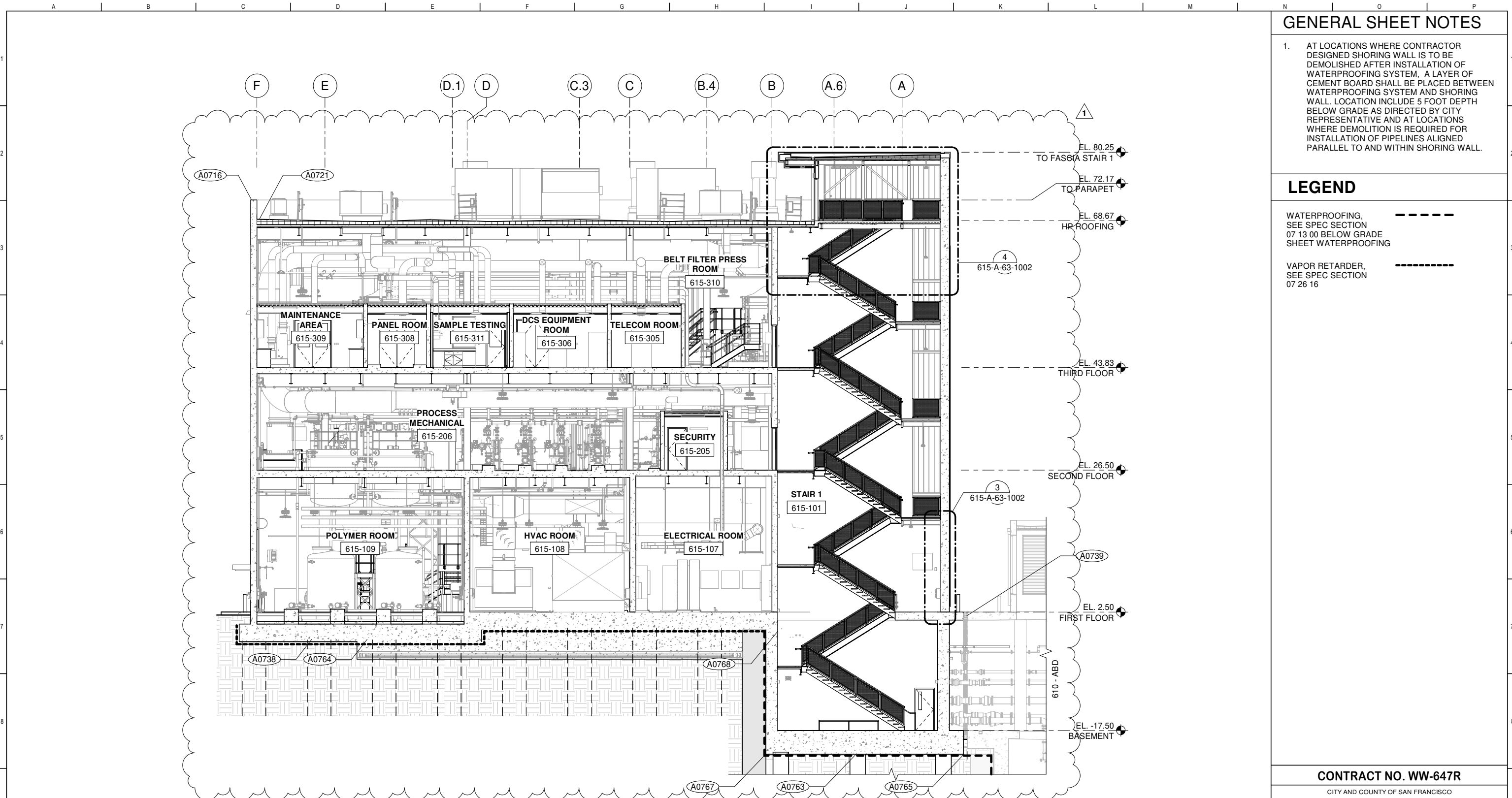


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ELEVATION DATUM
CITY

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWW O&M MANAGER	SCALE AS SHOWN
DATE	Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
615-A-05-3002	1



SECTION
615-A-05-1001 SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

- AT LOCATIONS WHERE CONTRACTOR DESIGNED SHORING WALL IS TO BE DEMOLISHED AFTER INSTALLATION OF WATERPROOFING SYSTEM, A LAYER OF CEMENT BOARD SHALL BE PLACED BETWEEN WATERPROOFING SYSTEM AND SHORING WALL. LOCATION INCLUDE 5 FOOT DEPTH BELOW GRADE AS DIRECTED BY CITY REPRESENTATIVE AND AT LOCATIONS WHERE DEMOLITION IS REQUIRED FOR INSTALLATION OF PIPELINES ALIGNED PARALLEL TO AND WITHIN SHORING WALL.

LEGEND

- WATERPROOFING, SEE SPEC SECTION 07 13 00 BELOW GRADE SHEET WATERPROOFING
- VAPOR RETARDER, SEE SPEC SECTION 07 26 16

CONTRACT NO. WW-647R
CITY AND COUNTY OF SAN FRANCISCO
PUBLIC UTILITIES COMMISSION
INFRASTRUCTURE DIVISION
ENGINEERING MANAGEMENT BUREAU
SOUTHEAST WATER POLLUTION CONTROL PLANT
BIOSOLIDS DIGESTER FACILITIES PROJECT
615 - BIOSOLIDS DEWATERING
BUILDING SECTION



BIOSOLIDS DIGESTER FACILITIES PROJECT CONSULTANT TEAM			
Brown and Caldwell	ch2m	1	
PROJECT ENGINEER D. GREEN	DRAWN F. LI		
PROJECT MANAGER T. STIGERS	DESIGNED A. HARM		
APPROVED J. MCGRAW	CHECKED G. BOBLEY		
NO.	DATE	DESCRIPTION	ALH BY
12/03/20	REV #1		JJM APPD
REVISIONS			

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
	DATE Dec 3, 2020
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 615-A-05-3003	DRAWING / FILE NO. 1

FOR CONSTRUCTION
Scope II

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