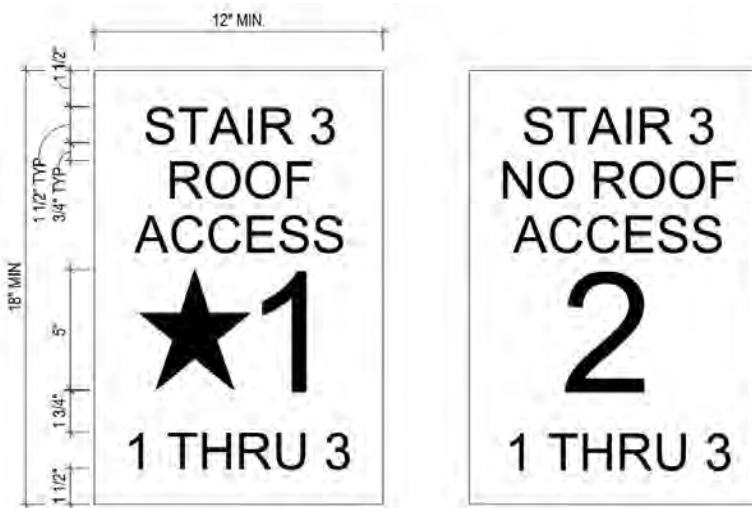


# ABBREVIATIONS - ARCHITECTURAL

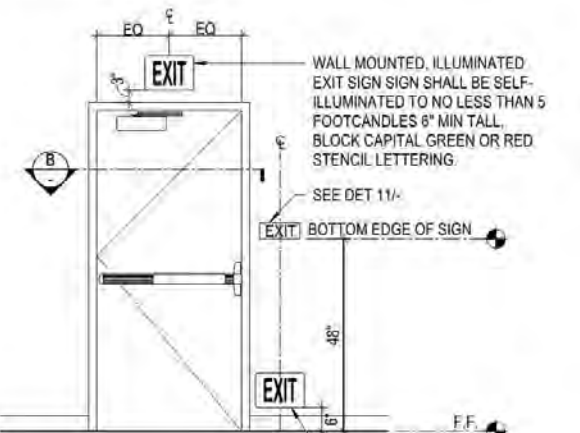
AB	ANCHOR BOLT	FD	FLOOR DRAIN	OC	ON CENTER
ABV	ABOVE	FDC	FIRE DEPARTMENT CONNECTION	OD	OUTSIDE DIMENSION
ACT	ACOUSTICAL CEILING TILE	FE	FIRE EXTINGUISHER	OH	OPPOSITE HAND
ACC	ACCESSORY	FF	FINISH FLOOR	OPP	OPPOSITE
AD	AREA DRAIN	FIN	FINISH	OSOI	OWNER SUPPLIED & OWNER INSTALLED
ADJ	ADJACENT	FLR	FLOOR	OSCI	OWNER SUPPLIED & CONTRACTOR INSTALLED
ADJUST	ADJUSTABLE	FND	FOUNDATION		
AFF	ABOVE FINISH FLOOR	FO	FACE OF		
ALUM	ALUMINUM	FOC	FACE OF CONCRETE	P	PAINT
ANOD	ANODIZED	FOF	FACE OF FINISH	PL	PLATE
ARCH	ARCHITECT(URAL)	FOM	FACE OF MASONRY	P-LAM	PLASTIC LAMINATE
AV	AUDIO VISUAL	FOS	FACE OF STRUCTURE	PNL	PANEL
		FP	FIRE PANEL	PT	PRESSURE TREATED
BD	BOARD	FPC	FIRE PROTECTION CABINET	PTD	PAPER TOWEL DISPENSER
BLDG	BUILDING	FRP	FIBERGLASS REINFORCED PLASTIC	PTN	PARTITION
BO	BOTTOM OF	FRT	FIRE RETARDANT TREATED	RCP	REFLECTED CEILING PLAN
BOM	BOTTOM OF MASONRY	FS	FIRE SHUTTER	RO	ROUGH OPENING
BOS	BOTTOM OF STEEL	FT	FEET		
BSMT	BASEMENT	FTG	FOOTING		
		FWHP	FABRIC WRAPPED HOMOSOTE PANEL	SAM	SELF ADHESIVE MEMBRANE
CAB	CABINET			SC	SOLID CORE
CB	CATCH BASIN			SCHED	SCHEDULE
CG	CORNER GUARD			SD	SMOKE DETECTOR
CH	CLOTHES HOOK	GA	GAUGE	SF	SQUARE FEET
CIP	CAST IN PLACE	GALV	GALVANIZED	SHT	SHEET
CJ	CONTROL JOINT	GB	GYP SUM	SHTG	SHEATHING
CLG	CEILING	GC	GENERAL CONTRACTOR	SIM	SIMILAR
CLR	CLEAR	GFRC	GLASS FIBER REINFORCED CONCRETE	SI	SQUARE INCHES
CMU	CONCRETE MASONRY UNIT			SOG	SLAB ON GRADE
CNTR	COUNTER	GL	GLASS	SPECS	SPECIFICATIONS
COL	COLUMN	GYP	GYP SUM	SS	STAINLESS STEEL
CONC	CONCRETE			STD	STANDARD
CONT	CONTINUOUS	HB	HOSE BIB	STG SM	STANDING SEAM
CONST	CONSTRUCTION	HC	HOLLOW CORE	STL	STEEL
CPT	CARPET	HD	HEAT DETECTOR	STRUCT	STRUCTURAL
CSCI	CONTRACTOR SUPPLIED & CONTRACTOR INSTALLED	HM	HOLLOW METAL		
		HOR	HORIZONTAL	T&B	TOP & BOTTOM
CR	CONCRETE REVEAL	HPC	HIGH PERFORMANCE COATING	T	TEMPERED GLASS
CS	COUNTERSINK	HT	HEIGHT	TO	TOP OF
CT	CERAMIC TILE	INT	INTERIOR	TOC	TOP OF CONCRETE
		INSUL	INSULATION	TOJ	TOP OF JOIST
DBL	DOUBLE			TOM	TOP OF MASONRY
DEMO	DEMOLITION	JT	JOINT	TOS	TOP OF STEEL
DIA	DIAMETER	KO	KNOCKOUT	TOW	TOP OF WALL
DIM	DIMENSION			TS	TUBE STEEL
DN	DOWN			TYP	TYPICAL
DS	DOWNSPOUT			UNO	UNLESS NOTED OTHERWISE
DR	DOOR	LAV	LAVATORY	UON	UNLESS OTHERWISE NOTED
DTL	DETAIL			VCT	VINYL COMPOSITION TILE
DWG	DRAWING	MAG	MAGNETIC	VIF	VERIFY IN FIELD
		MAX	MAXIMUM	VERT	VERTICAL
EX	EXISTING	MDO	MEDIUM DENSITY OVERLAY		
EA	EACH	MECH	MECHANICAL	W	WASHER
EF	EACH FACE	MFR	MANUFACTURER	W/	WITH
EJ	EXPANSION JOINT	MIN	MINIMUM	WC	WATER CLOSET
ELECT	ELECTRICAL	MO	MASONRY OPENING	W/O	WITHOUT
ENCL	ENCLOSED	MTD	MOUNTED	WO	WHERE OCCURS
EQ	EQUAL	MTL	METAL	WP	WATER-PROOF
EQUIP	EQUIPMENT	NIC	NOT IN CONTRACT	WR	WEATHER-RESISTIVE
EL./ELEV	ELEVATION	NOM	NOMINAL		
EW	EACH WAY	NTS	NOT TO SCALE		



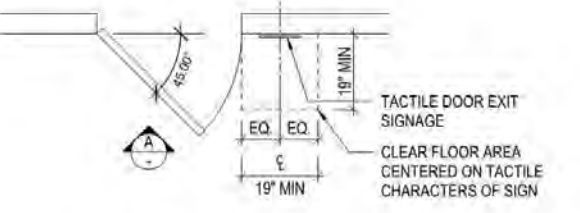
4 STAIRWAY IDENTIFICATION SIGN  
SCALE: 12" = 1'-0"

### MOUNTING REQUIREMENTS:

1. WALL MOUNT ADJACENT TO LATCH SIDE OF SINGLE DOOR
2. INACTIVE LEAF OF A DOUBLE DOOR WITH A SINGLE ACTIVE LEAF
3. THE RIGHT SIDE OF A DOUBLE DOOR WITH 2 ACTIVE LEAFS
4. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR OR RIGHT SIDE OF A DOUBLE DOOR, SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL - COORDINATE LOCATION WITH CITY REPRESENTATIVE



A. DOOR ELEVATION (N.T.S.)



B. CLEAR FLOOR AREA REQUIREMENTS - PLAN (N.T.S.)

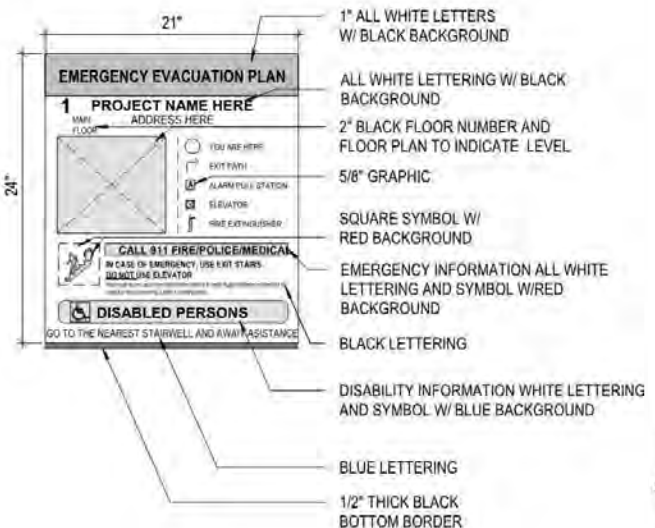
3 EXIT SIGNAGE  
SCALE: 12" = 1'-0"

### STAIRWAY ID NOTES:

1. STAIRWAY IDENTIFICATION SIGNS ARE REQUIRED IN STAIRWAYS CONNECTING MORE THAN 3 STORIES
2. THE SIGN SHALL BE PROVIDED ON EACH STAIRWAY LANDING
3. SEE SIGN SCHEDULE FOR STAIR NUMBERING AND DESIGNATION OF TERMINUS OR ROOF ACCESS
4. PROVIDE A 5 POINT STAR FOR EGRESS FLOOR NUMBER. DESIGNATE MEZZANINES AS THE LETTER 'M' AND DESIGNATE BASEMENTS AS THE LETTER 'B'
5. SIGN PANEL IS 3/16\"/>

### TACTILE EXIT SIGNAGE NOTES:

- A. LOCATE TACTILE EXIT SIGNS WHERE SHOWN IN THE DRAWINGS.
- B. CHARACTERS
- I. CHARACTER SHALL BE RAISED 1/32\"/>
  - II. CHARACTER SHALL BE UPPER CASE, SAN SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
  - III. CHARACTER PROPORTIONS, CHARACTER HEIGHT, STROKE, THICKNESS, CHARACTER SPACING AND LINE SPACING SHALL COMPLY WITH CBC 11B-703.2 RAISED CHARACTERS REQUIREMENTS.
  - IV. TEXT FORMAT SHALL BE HORIZONTAL. EACH LINE OF TEXT SHALL BE CENTERED ON THE SIGN UON
- C. BRAILLE
- I. BRAILLE SHALL BE CONTRACTED GRADE 2 BEADED BRAILLE TRANSLATION OF THE TEXT SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN HORIZONTAL FORMAT. CENTER JUSTIFY BRAILLE ON SIGN, UON.
  - II. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. SPACING SHALL CONFORM TO CBC 11B-703.3.
- D. MATERIALS
- I. SOLID CORE MELAMINE, 1/4\"/>
- E. FINISHES
- I. NON-GLARE, MATTE OR EGG SHELL, UON
- F. MOUNTING
- I. ALL INTERIOR MOUNTED SIGN SHALL BE ADHERED TO DOOR OR WALL WITH NON-STAINING SILICONE SEALANT AND FOAM TAPE WITHOUT MECHANICAL FASTENERS, UON.
  - II. EXTERIOR MOUNTED SIGNS SHALL BE MECHANICALLY FASTENED AND WITH SILICONE ADHESIVE. FASTENERS SHALL BE STAINLESS STEEL AND TAMPER PROOF.



### EVACUATION SIGN NOTES:

1. ALL LETTERING SHALL BE 5/8\"/>
2. ALL LETTERING AND SYMBOLS SHALL BE RAISED 1/16\"/>
3. THE 'ALARM' SYMBOL SHALL BE COLORED RED.
4. THE 'ELEVATOR' AND 'EXIT' SYMBOLS SHALL BE COLORED BLACK
5. THE 'YOU ARE HERE' SYMBOL SHALL BE COLORED ORANGE
6. THE 'EXIT PATH' SYMBOL SHALL BE COLORED GREEN.
7. THE ABOVE COLORED SYMBOLS SHALL BE INCLUDED ON THE DIAGRAMATIC PLAN
8. FINISHES ON ALL SIGNS TO BE MATTE EGG SHELL OR OTHER NON-GLARE FINISH.
9. ALL EVAC SIGNS SHALL COMPLY W/ SFPD ADMIN BULLETIN 2.11 AND BE SUBMITTED BY A CONTRACTOR AS A SEPARATE PERMIT.
10. EVAC SIGNS LOCATED AT ELEVATOR LANDINGS SHALL COMPLY WITH CBC 3003.2.1.1
11. LOCATE A MANUAL FIRE ALARM PULL STATION WHERE IT OCCURS.

2 EMERGENCY EVACUATION SIGN  
SCALE: 12" = 1'-0"

1 TACTILE SIGN  
SCALE: 12" = 1'-0"

### DISABILITY ACCESS COMPLIANCE FOR CITY FUNDED PROJECTS

Applicant: Fill in project name and address and then scan this and DBI DA-2 forms into plans.

**Southeast Water Pollution Control Plant, San Francisco**

**Sep 020 Headworks Project**

London N. Breed Mayor  
Muhammad Nuru Director

Leave Area Below Blank - for Public Works BDC Disability Access Coordinator (DAC) Staff Use

**PLAN REVIEW STAGE:** Public Works - Building Design and Construction Disability Access Coordinator has approved:

SF DBI DA-02 Forms for Facility Alterations' Path of Travel, Barrier Removal &/or Technical Infeasibility Request

Playground ADA Inventory Form

Pre-application review / site permit

Access Exempt work per specific exceptions in Building Code - 11B-203 Exempt Work, Exclusions from definition of Alteration, or non-seismic structural or landscape work. Limited Scope project. Add DA-02 Checklist and Technical Infeasibility Forms as applicable to construction documents and project code and regulatory files.

**FINAL CONSTRUCTION PLANS FOR PERMIT APPLICATIONS**

**INSPECTION STAGE:** The following inspections are required, if selected:

Call Public Works Building Design and Construction Disability Access Coordinator to schedule--415-557-4676

ROUGH FRAMING, AFTER PLUMBING & ELECTRICAL ROUGH-IN IS COMPLETE, PRIOR TO CLOSE-UP

Mock-up inspection of

Door closer pressure (5 & 15 LBF) and timing

Power door signage and door operator testing per BHMA A156.19

Play Area equipment, surfacing and Path of Travel

Off-site curb ramps, blue zone parking spaces and passenger loading zones (May be PW BDC scope)

Signage, including proofs and color samples prior to fabrication

INSPECTION AT 95% TO 99% COMPLETE, BUT PRIOR TO OR AS NEEDED FOR T.C.O.

**FINAL SIGN-OFF OF PROJECT, PUBLIC WORKS BDC DAC SIGNING OF SF-DBI JOB CARD**

John Paul Scott, AIA, CA Sp, Public Works BDC Disability Access Coordinator Date

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CITY DATUM = SFVD13 -11.35 FT

10/31/2018

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPROD
REVISIONS	

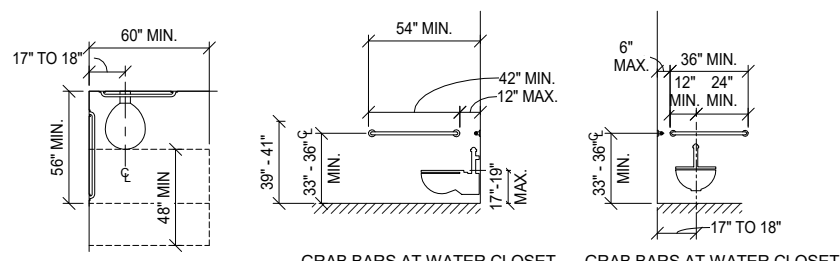
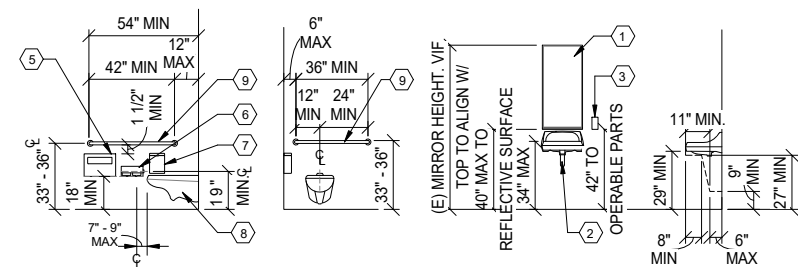
CONTRACT NO. WW-628-03			
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT SEP 020 HEADWORKS PROJECT			
ARCHITECTURAL ABBREVIATIONS			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWW O&M MANAGER	SCALE	AS SHOWN	DATE
APPROVED	APPROVED		
PLAN NO.	ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER	
000-A-01-0001	DRAWING / FILE NO.	WW14393	REVISION NO.
			0

# SYMBOLS - ARCHITECTURAL

# GENERAL NOTES

	<b>VIEW NAME</b> SCALE: 1/8" = 1'-0"	DRAWING TITLE		FINISHES TO BE FLUSH
	DETAIL NO. XXX-A-XX-XXXX	EXTERIOR ELEVATION		SLOPE TO DRAIN
	DETAIL NO. XXX-A-XX-XXXX	INTERIOR ELEVATION		CENTERLINE
	DETAIL NO. XXX-A-XX-XXXX	BUILDING SECTION		AREA/FLOOR DRAIN
	DETAIL NO. XXX-A-XX-XXXX	WALL SECTION		FIRE EXTINGUISHER CABINET
	DETAIL NO. XXX-A-XX-XXXX	DETAIL KEY		INTERNATIONAL SYMBOL OF ACCESSIBILITY
	ROOM NAME 101	ROOM NAME/NUMBER		GRID BUBBLE
	101	DOOR MARK		CEILING HEIGHT
	X	WINDOW MARK		FLOOR TRANSITION
	1	KEYNOTE		ELEVATION DATUM
	X	VERTICAL ASSEMBLY		WORK POINT, CONTROL POINT, OR DATUM POINT
	X	HORIZONTAL ASSEMBLY		GLAZING TYPE
		REVISION MARK AND CLOUD		

- VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE START OF WORK.
- ALL WORK TO COMPLY WITH THE STATE OF CALIFORNIA BUILDING CODE, 2016 EDITION, AND WITH ALL OTHER APPLICABLE MUNICIPAL, COUNTY, STATE AND FEDERAL CODES AND REGULATIONS. COORDINATE WITH APPLICABLE CODE INFORMATION ON NEXT PAGE.
- DO NOT SCALE THE DRAWINGS TO OBTAIN DIMENSIONS OR LOCATIONS. UNLESS NOTED OTHERWISE, DIMENSIONS ARE FROM FACE OF STUD, MASONRY, AND CONCRETE, OR TO CENTERLINE OF POSTS AND WALLS. DIMENSIONS MARKED 'CLR' ARE TO BE HELD FROM FACE OF FINISH TO FACE OF FINISH. WHERE PLANS INDICATE 'ALIGN' MATCH FINISH TO FINISH.
- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; COORDINATE ALL PORTIONS OF THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS. REQUEST CLARIFICATION FROM THE ARCHITECT FOR ALL DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONDITIONS AND DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES, UNLESS SPECIFICALLY INDICATED OTHERWISE. TYPICAL DETAILS NOT REFERENCED ON DRAWINGS APPLY UNLESS NOTED OTHERWISE BY SPECIFIC NOTES AND DETAILS. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR THE TYPICAL CONSTRUCTION ON THE PROJECT.
- PROVIDE SHORING, BRACING, SUPPORT AND PROTECTION AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY ALL FIGURES, DIMENSIONS, MATERIALS, ETC., ON THE DRAWINGS WITH ALL OTHER DRAWINGS AND WITH THE VARIOUS MANUFACTURER'S INSTALLATION REQUIREMENTS BEFORE COMMENCING ANY OF THE WORK HEREIN SHOWN.
- ANY WORK DEVIATING FROM THE DRAWINGS WILL BE REJECTED UNLESS THE CHANGE IS DULY AUTHORIZED.
- REFER TO TYPICAL DETAIL SHEETS FOR STANDARD DETAILS NOT SHOWN ON DRAWINGS.
- FOR ATTACHMENT OF NONSTRUCTURAL ITEMS, SEE SMACNA STANDARDS AND STRUCTURAL WIND UPLIFT CALCULATIONS.

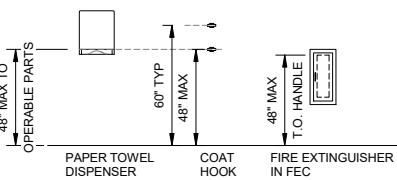


ACCESSIBLE TOILET STALL

ACCESSIBLE LAVATORY

CLEAR FLOOR SPACE AT ACCESSIBLE WATER CLOSET

ACCESSIBLE GRAB BARS



ACCESSORIES

**ACCESSORY KEYNOTES**

- MIRROR
- LAVATORY W/ UNDER-LAVATORY GUARD
- SOAP DISPENSER
- NOT USED
- TOILET SEAT COVER DISPENSER
- TOILET TISSUE DISPENSER
- SANITARY DISPOSAL
- WATER CLOSET
- HORIZONTAL GRAB BAR

**1 ACCESSIBLE ACCESSORY AND FIXTURE MOUNTING HEIGHTS**  
SCALE: 1/4" = 1'-0"

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CITY DATUM = SFVD13 -11.35 FT

10/31/2018

PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DATE
DESCRIPTION	BY
REVISIONS	

CONTRACT NO. WW-628-03		
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU		
SOUTHEAST WATER POLLUTION CONTROL PLANT SEP 020 HEADWORKS PROJECT		
ARCHITECTURAL NOTES AND SYMBOLS		
CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO. 000-A-01-0002	DRAWING / FILE NO. WW14394	REVISION NO. 0

**APPLICABLE CODES**

- 2016 CALIFORNIA BUILDING CODE INTERVIEWING CYCLE 7/1/2018 (TITLE 24, PART 2, VOLUMES 1 AND 2) WITH SAN FRANCISCO MUNICIPAL AMENDMENTS (SFBC)
- 2016 CALIFORNIA ELECTRICAL CODE (TITLE 24, PART 3)
- 2016 CALIFORNIA MECHANICAL CODE (TITLE 24, PART 4)
- 2016 CALIFORNIA PLUMBING CODE (TITLE 24, PART 5)
- 2016 CALIFORNIA ENERGY CODE (TITLE 24, PART 6)
- 2016 CALIFORNIA FIRE CODE (TITLE 24, PART 9)
- 2016 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGREEN) (TITLE 24, PART 11)
- 2016 NFPA 820 - STANDARD FOR FIRE PROTECTION IN WASTEWATER TREATMENT AND COLLECTION FACILITIES
- 2015 NFPA 37 - STANDARD FOR THE INSTALLATION AND USE OF STATIONARY COMBUSTION ENGINES AND GAS TURBINES
- 2016 NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION STANDARDS

**CHAPTER 11B-ACCESSIBILITY REQUIREMENT EXCEPTIONS: 11B203.4 LIMITED ACCESS SPACES:** SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LADDERS, CATWALKS, CRAWL SPACES OR VERY NARROW PASSAGEWAYS SHALL NOT BE REQUIRED TO COMPLY WITH THESE REQUIREMENTS OR TO BE AN ACCESSIBLE ROUTE.

**11B-203.5 MACHINERY SPACES:** MACHINERY SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR OR OCCASIONAL MONITORING OF EQUIPMENT SHALL NOT BE REQUIRED TO COMPLY WITH THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE. THESE SPACES INCLUDE ELEVATOR PITS, ELEVATOR PENTHOUSES, MECHANICAL, ELECTRICAL OR COMMUNICATIONS EQUIPMENT ROOMS, PIPING OR EQUIPMENT CATWALKS, WATER OR SEWAGE TREATMENT PUMP ROOMS AND STATIONS, AND OTHER SPACES NOT CUSTOMARILY OCCUPIED AND ACCESSED ONLY BY LADDERS, CATWALKS, CRAWL SPACES, OR VERY NARROW PASSAGEWAYS.

**SECTION 504.3 HEIGHT IN FEET EXCEPTION:** TOWER, SPIRES, STEEPLES, AND OTHER ROOF STRUCTURES SHALL BE CONSTRUCTED OF MATERIALS CONSISTANT WITH THE REQUIRED TYPE OF CONSTRUCTION OF THE BUILDING EXCEPT WHERE OTHER CONSTRUCTION IS PERMITTED BY SECTION 1510.2.5. SUCH STRUCTURES SHALL NOT BE USED FOR HABITATION OR STORAGE. THE STRUCTURES SHALL BE UNLIMITED IN HEIGHT WHERE OF NON-COMBUSTIBLE MATERIALS, AND SHALL NOT EXTEND MORE THAN 20 FEET ABOVE THE ALLOWABLE BUILDING HEIGHT WHERE OF COMBUSTIBLE MATERIALS.

**GENERAL NOTES:**  
OPEN STAIR RISERS ARE PERMITTED FOR F USE, AS PER 1011.5.5.3 EXEMPTION 2.

**PROJECT AREAS:**  
WASTEWATER TREATMENT FACILITY - HEADWORKS INFLUENT JUNCTION AREA, HEADWORKS ELECTRICAL AREA, FINE SCREEN AREA, SCREENINGS HANDLING AREA, GRIT TANK AREA, AND GRIT HANDLING AREA; HEADWORKS ODOR CONTROL STRUCTURE

OCCUPANCY F-2  
CONSTRUCTION TYPE II-B  
NFPA 820 CLASSIFICATION VARIES

FULLY SPRINKLED (EXCEPTIONS APPLIED TO ELECTRICAL ROOMS AND ODOR CONTROL STRUCTURE)

TABLE 504.3 ALLOWABLE HEIGHT: 75'-0"  
TABLE 504.4 ALLOWABLE STORIES: 4 STORIES  
TABLE 506.2 ALLOWABLE AREA: 69,000 SQ FT

ACTUAL NUMBER OF STORIES: VARIES, MAX 4 STORIES  
ACTUAL BUILDING HEIGHT: VARIES, MAX 65'-0"  
ACTUAL TOTAL AREA: 44,808 SQ FT

HEADWORKS ODOR CONTROL STRUCTURE: 5,193 SQ FT  
HEADWORKS ELECTRICAL AREAS, 020 STAIR 1 AREAS, ELEVATOR, RESTROOM, & HEADWORKS LOBBY AREAS: 4,176 SQ FT

INFLUENT JUNCTION AREA, FINE SCREEN AREA, SCREENINGS HANDLING AREA: 14,631 SQ FT  
GRIT TANK AREA: 11,694 SQ FT  
GRIT HANDLING AREA: 10,244 SQ FT

TOTAL CALCULATED OCCUPANCY COUNT: 122  
ACTUAL OCCUPANCY COUNT: LESS THAN 50 - TO BE APPROVED BY CODE OFFICIAL

PLUMBING FIXTURE COUNT: 1 ADA GENDER NEUTRAL RESTROOM PER CBC TABLE 2902.1 (1 PER 100 FOR F-2)

**CODE LEGEND**

**ROOM TAG**

- X# → OCCUPANCY CLASSIFICATION
- # SF → SQUARE FOOTAGE
- # / SF → OCCUPANT LOAD FACTOR
- # OCCUPANTS → NUMBER OF OCCUPANTS

**REMOTE POINT (BEGIN EGRESS)** ●

**PATH OF TRAVEL** ———

# - ##" TO EXIT → EXIT TRAVEL DISTANCE

ACCESSIBLE TOUR ROUTE [Hatched Box]

NON-OCCUPIED SPACE [Hatched Box]

EXIT [EXIT Symbol]

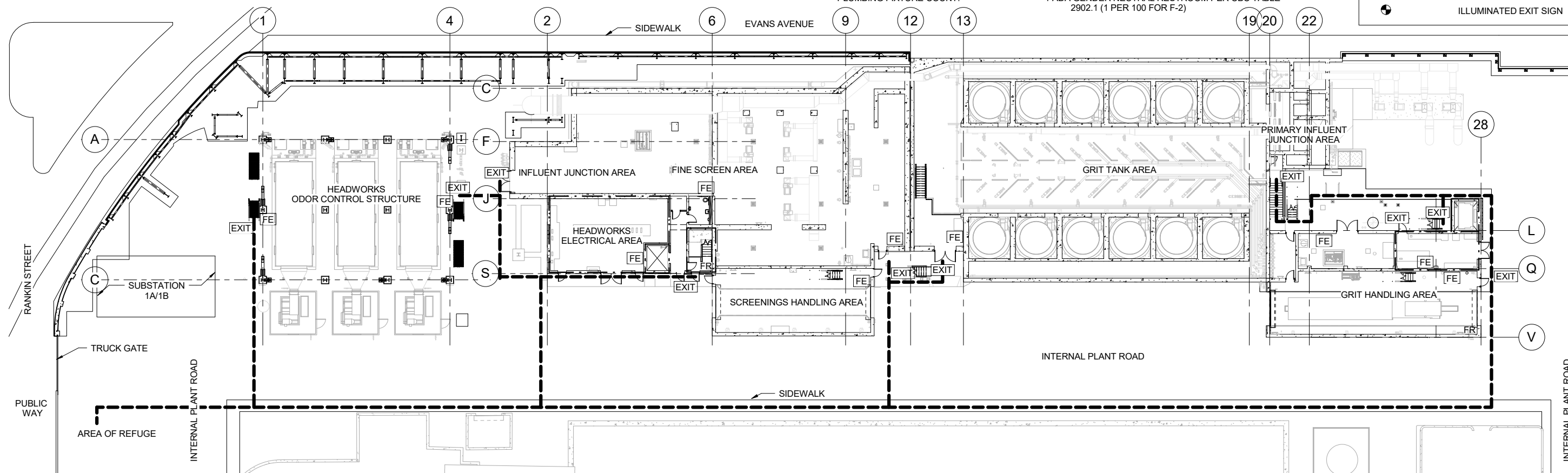
1 HR. RATED FIRE WALL [Dashed Line]

2 HR. RATED FIRE WALL [Dotted Line]

FR → FIRE SPRINKLER RISER

[FE] → FIRE EXTINGUISHER IN FPC

[Circle with Arrow] → ILLUMINATED EXIT SIGN



**1 OVERALL SITE EGRESS PLAN**  
SCALE: 1" = 20'-0"

MEANS OF EGRESS EXITING SUMMARY AS DETERMINED BY OCCUPANCY				
MAX. TRAVEL DISTANCE OF COMMON PATH OF EGRESS (CBC TABLE 1006.2.1) (AUTOMATIC SPRINKLER)	MAXIMUM TRAVEL DISTANCE TO EXIT FROM REMOTE POINT (CBC TABLE 1017.2) (AUTOMATIC SPRINKLER)	MIN. EGRESS STAIR WIDTH PER OCCUPANT LOAD (NOT TO BE LESS THAN 44") (CBC 1005.3.1, 1009.3 AND 1011.2)	MIN. EGRESS WIDTH DOORS/ CORRIDOR CLEAR WIDTH (DOORS NOT LESS THAN 32" CORR. NOT LESS THAN 44") (CBC 1010.1.1 AND 1020.2)	MAXIMUM OCCUPANT LOAD ALLOWING FOR ONLY ONE MEANS OF EGRESS (TWO EXITS REQUIRED WHERE OCCUPANT LOAD EXCEEDS THIS NUMBER) (CBC TABLE 1006.2.1)
100 FEET	400 FEET	O.L./4 X .2 122/4 X .2 = 6.1	COORIDOR: 44" DOORS: 32"	49



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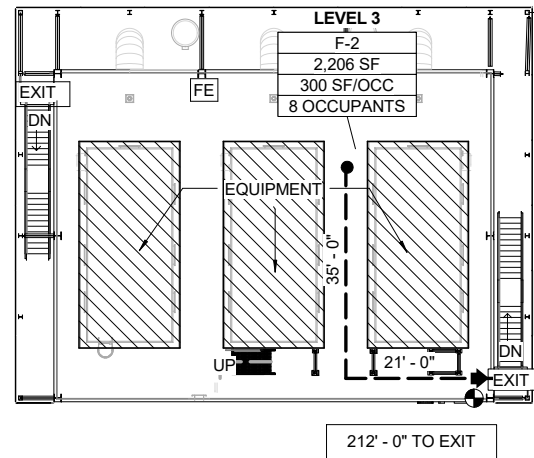
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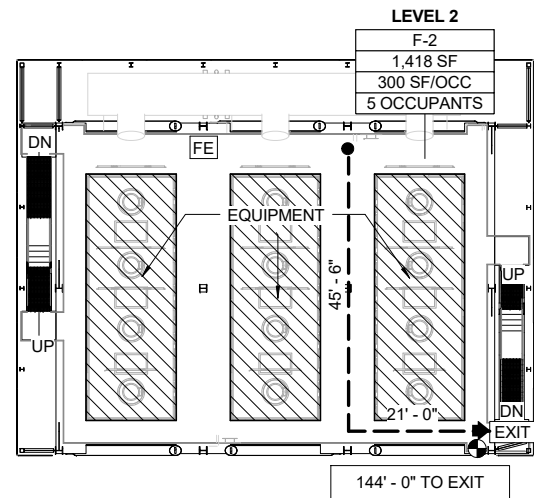
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

**OVERALL SITE CODE COMPLIANCE PLAN**

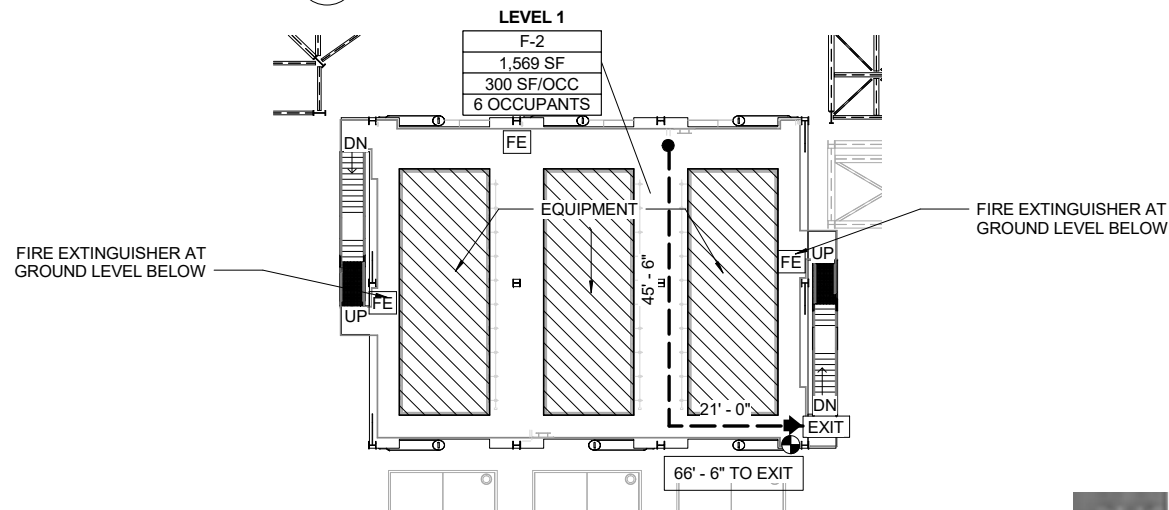
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 000-A-01-0003	DRAWING / FILE NO. WW14395
REVISION NO. 0	



**3 HEADWORKS ODOR CONTROL LEVEL 3 EGRESS PLAN**  
SCALE: 1/16" = 1'-0"



**2 HEADWORKS ODOR CONTROL LEVEL 2 EGRESS PLAN**  
SCALE: 1/16" = 1'-0"



**1 HEADWORKS ODOR CONTROL LEVEL 1 EGRESS PLAN**  
SCALE: 1/16" = 1'-0"

**CODE DATA - HEADWORKS ODOR CONTROL STRUCTURE**

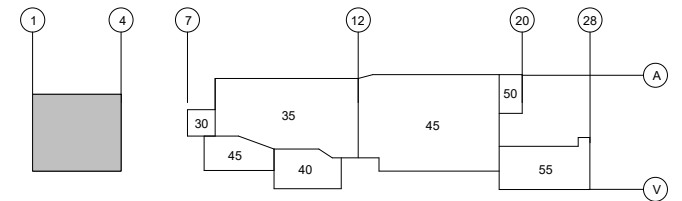
**PROJECT TYPE:**  
HEADWORKS ODOR CONTROL AREA IS NOT ENCLOSED

**OCCUPANCY:** F-2  
**CONSTRUCTION TYPE:** II-B  
**NFPA 820 CLASSIFICATION:** DIVISION 2 NOT ENCLOSED AREAS WITHIN 3'-0" OF LEAKAGE SOURCES SUCH AS FANS, DAMPERS, FLEXIBLE CONNECTIONS, FLANGES, PRESSURIZED UNWELDED DUCTWORK, AND ODOR-CONTROL VESSELS  
 AREAS BEYOND 3'-0" UNCLASSIFIED

ODOR CONTROL STRUCTURE IS GOVERNED BY NFPA 820, CALIFORNIA OSHA, AND CBC 2016.

**FIRE DETECTION & SUPPRESSION**  
**FIRE ALARM SYSTEM:** NO  
**SMOKE DETECTION SYSTEM:** YES PER NFPA 820  
**SMOKE CONTROL SYSTEM:** NO  
**COMBUSTIBLE GAS DETECTION:** YES PER NFPA 820 TABLE 5.2  
**FIRE SPRINKLER SYSTEM:** NO  
**STANDPIPE SYSTEM:** NO  
**FIRE EXTINGUISHERS:** YES PER NFPA 820  
**HYDRANT PROTECTION:** NO

	AREA	OCCUPANCY TYPE	OCCUPANT LOAD
LEVEL 1	1569 SF	F-2	6 OCCUPANTS
LEVEL 2	1418 SF	F-2	5 OCCUPANTS
LEVEL 3	2206 SF	F-2	8 OCCUPANTS
<b>TOTALS</b>	<b>5193 SF</b>		<b>19 OCCUPANTS</b>



**KEYPLAN**

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

**HEADWORKS ODOR CONTROL STRUCTURE CODE COMPLIANCE PLANS**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
000-A-01-0004	WW14396	0

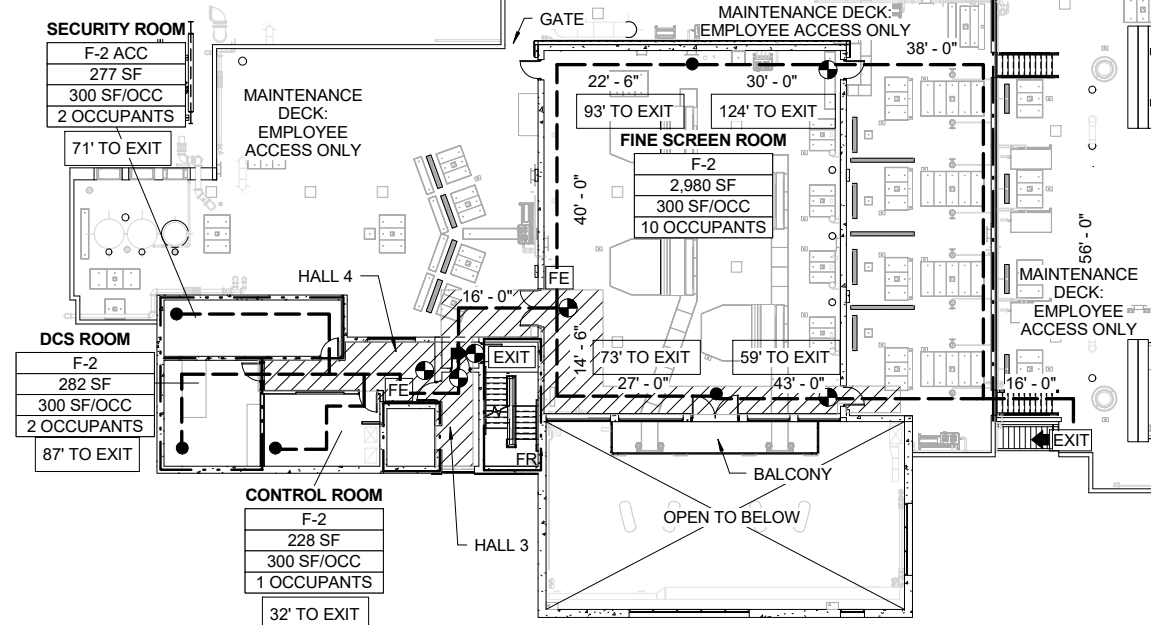
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
	BY
	APPRD
REVISIONS	



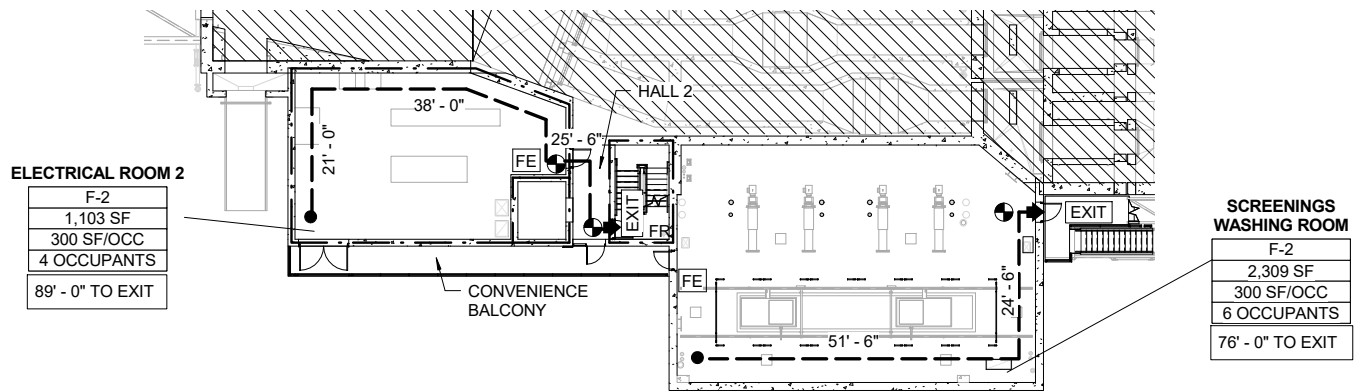
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CITY DATUM = SFVD13  
-11.35 FT

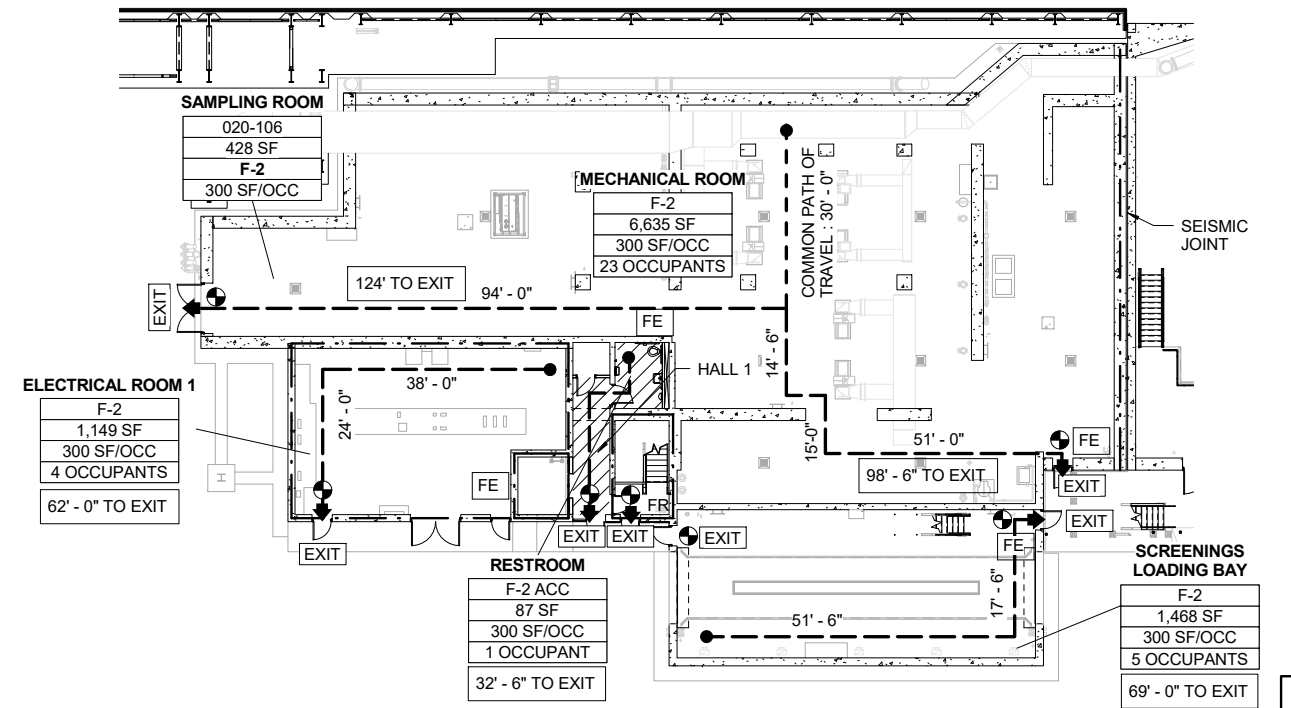
10/31/2018



**3 HEADWORKS PARTIAL TOP LEVEL EGRESS PLAN**  
SCALE: 1/16" = 1'-0"



**2 HEADWORKS PARTIAL INTERMEDIATE FLOOR EGRESS PLAN**  
SCALE: 1/16" = 1'-0"



**1 HEADWORKS PARTIAL BOTTOM FLOOR CODE PLAN**  
SCALE: 1/16" = 1'-0"

**CODE DATA - INFLUENT JUNCTION, FINE SCREEN, SCREENINGS HANDLING, AND HEADWORKS ELECTRICAL AREAS**

PROJECT TYPE:  
WASTEWATER TREATMENT FACILITY - HEADWORKS ELECTRICAL AREA, MECHANICAL AREA, FINE SCREEN AREA, SCREENINGS HANDLING AREA, INFLUENT JUNCTION AREA, SAMPLING AREA, SINGLE USER RESTROOM, ELEVATOR LOBBY AND STAIRWELL

OCCUPANCY	F-2
CONSTRUCTION TYPE	II-B
NFPA 820 CLASSIFICATIONS:	
FINE SCREEN ROOM	DIVISION 1
SCREENINGS WASHING ROOM	DIVISION 1
HEADWORKS ELECTRICAL ROOM	UNCLASSIFIED
MECHANICAL ROOM	UNCLASSIFIED
INFLUENT JUNCTION AREA	UNCLASSIFIED
SAMPLING ROOM	UNCLASSIFIED
SCREENING LOADING BAY	DIVISION 1
RESTROOM	UNCLASSIFIED
ELEVATOR LOBBY AND STAIRWELL	UNCLASSIFIED

CLASS A ROOFING  
NFPA, 1 HOUR SEPARATION BETWEEN PROCESS SPACES AND ELECTRICAL ROOMS; 1 HOUR SEPARATION OF EGRESS STAIR 1 AND ELEVATOR SHAFT

TABLE 504.3 ALLOWABLE HEIGHT:	75'-0"
TABLE 504.4 ALLOWABLE STORIES:	4 STORIES
TABLE 506.2 ALLOWABLE AREA:	69,000 SQ FT

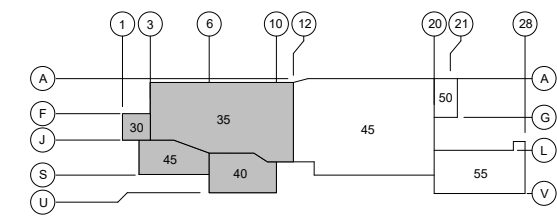
ACTUAL NUMBER OF STORIES:	3 STORIES
ACTUAL BUILDING HEIGHT:	52'-8"
ACTUAL AREA:	18,083 SQ FT

**FIRE PROTECTION**  
HEADWORKS ELECTRICAL AREA AND STAIR SEPARATED FROM FINE SCREEN, SCREENINGS HANDLING AND INFLUENT JUNCTION AREA.

**FIRE DETECTION & SUPPRESSION**

FIRE ALARM SYSTEM:	YES	PER NFPA 72 AND 2016 CBC, SECTION 907.2.4
SMOKE DETECTION SYSTEM:	YES	
SMOKE CONTROL SYSTEM:	YES	
COMBUSTIBLE GAS DETECTION:	YES	PER NFPA 820 TABLE 5.2
FIRE SPRINKLER SYSTEM:	YES	
STANDPIPE SYSTEM:	YES	
FIRE EXTINGUISHERS:	YES	PER NFPA 820 AND 2016 CBC, SECTION 906.1
HYDRANT PROTECTION:	YES	PER NFPA 820 TABLE 5.2 AND SECTION 7.2.4

ROOM NAME	AREA	OCCUPANCY TYPE	OCCUPANT LOAD
CONTROL ROOM	228 SF	F-2	1 OCCUPANTS
DCS ROOM	282 SF	F-2	2 OCCUPANTS
ELECTRICAL ROOM 1	1149 SF	F-2	4 OCCUPANTS
ELECTRICAL ROOM 2	1103 SF	F-2	4 OCCUPANTS
ELEV CONTROL	55 SF	F-2 ACC	1 OCCUPANTS
FINE SCREEN ROOM	2980 SF	F-2	10 OCCUPANTS
HALL 1	145 SF	F-2 ACC	-
HALL 2	101 SF	F-2 ACC	-
HALL 3	101 SF	F-2 ACC	7 OCCUPANTS
HALL 4	203 SF	F-2	-
HALL 5	65 SF	F-2 ACC	-
MECHANICAL ROOM	6635 SF	F-2	23 OCCUPANTS
RESTROOM	87 SF	F-2 ACC	1 OCCUPANT
SAMPLING ROOM	428 SF	F-2	2 OCCUPANTS
SCREENINGS LOADING BAY	1468 SF	F-2	5 OCCUPANTS
SCREENINGS WASHING ROOM	2309 SF	F-2	6 OCCUPANTS
SECURITY ROOM	277 SF	F-2 ACC	2 OCCUPANTS
STAIR 1	468 SF	F-2 ACC	-
<b>TOTALS</b>	<b>18,083 SF</b>		<b>66 OCCUPANTS</b>



**KEYPLAN**

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40)  
CODE COMPLIANCE PLANS**

**carollo**

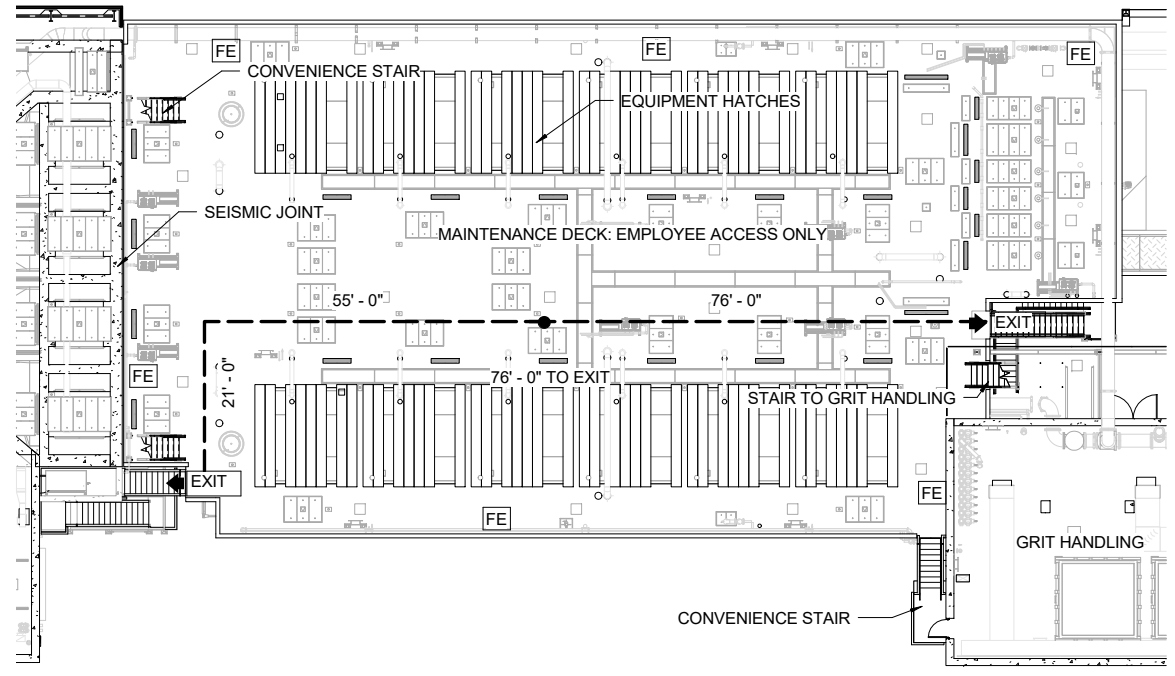
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>000-A-01-0005</b>	DRAWING / FILE NO. <b>WW14397</b>
	REVISION NO. <b>0</b>

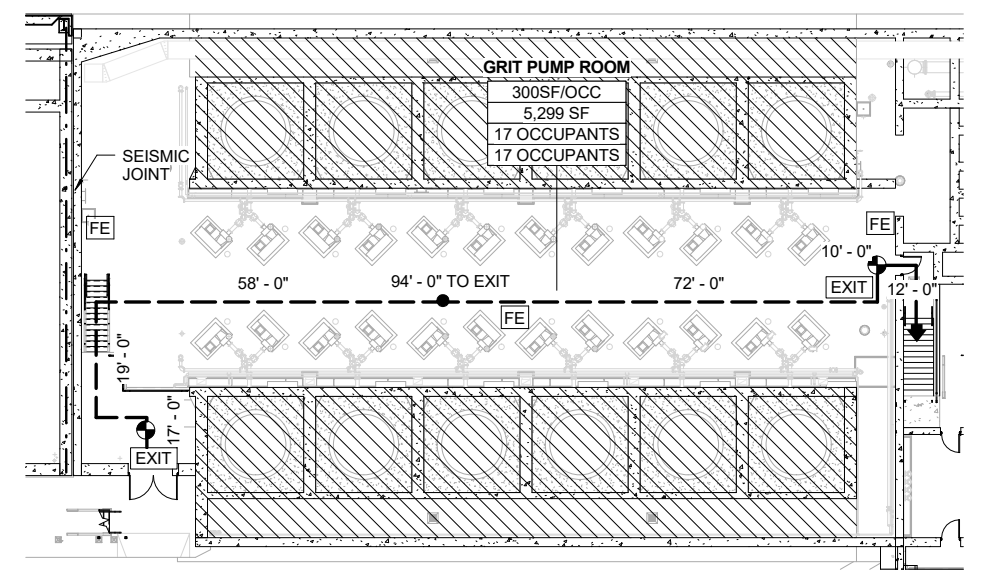
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CITY DATUM = SFVD13 -11.35 FT

10/31/2018



**2 GRIT TANK TOP LEVEL EGRESS PLAN**  
SCALE: 1/16" = 1'-0"



**1 GRIT TANK PUMP ROOM BOTTOM PLAN**  
SCALE: 1/16" = 1'-0"

**CODE DATA - HEADWORKS GRIT TANK AREA**

**PROJECT TYPE:**  
WASTEWATER TREATMENT FACILITY - HEADWORKS GRIT PUMP ROOM AND GRIT TANKS  
**MAINTENANCE ROOF:**  
ONE STORY GRIT TANK FOR PROCESS FUNCTION ONLY, 11,694 SF NOT SHOWN.

**OCCUPANCY:** F-2  
**CONSTRUCTION TYPE:** II-B  
**NFPA 820 CLASSIFICATION:** PUMP ROOM BASEMENT DIVISION 2  
GRIT TANK MAINTENANCE ROOF UNENCLOSED  
DIVISION 2 WITHIN A 10'-0" ENVELOPE AROUND  
EQUIPMENT AND OPEN CHANNELS

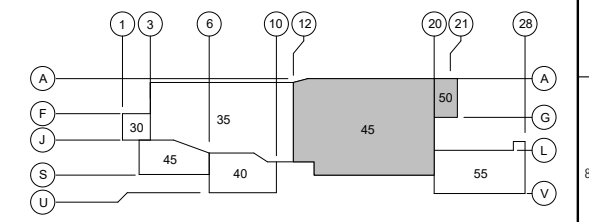
**CLASS A ROOFING**

**SPRINKLED**  
TABLE 504.3 ALLOWABLE HEIGHT: 75'-0"  
TABLE 504.4 ALLOWABLE STORIES: 4 STORIES  
TABLE 506.2 ALLOWABLE AREA: 69,000 SQ FT

**ACTUAL NUMBER OF STORIES:** 1 STORY  
**ACTUAL BUILDING HEIGHT:** 25' - 9"  
**ACTUAL AREA:** 11,694 SQ FT

**FIRE DETECTION & SUPPRESSION**  
**FIRE ALARM SYSTEM:** YES - PER NFPA 72 AND 2016 CBC, SECTION 907.2.4  
**SMOKE DETECTION SYSTEM:** NO  
**SMOKE CONTROL SYSTEM:** N/A  
**COMBUSTIBLE GAS DETECTION:** YES-PER NFPA 820 TABLE 5.2  
**FIRE SPRINKLER SYSTEM:** YES  
**STANDPIPE SYSTEM:** NO  
**FIRE EXTINGUISHERS:** YES PER NFPA 820 and 2016 CBC, SECTION 906.1  
**HYDRANT PROTECTION:** YES PER NFPA 820 TABLE 5.2 AND SECTION 7.2.4

**SECTION 506.1.3 BASEMENTS EXCEPTION:** BASEMENTS NEED NOT BE INCLUDED IN THE TOTAL ALLOWABLE FLOOR AREA OF A BUILDING PROVIDED THE TOTAL AREA OF SUCH BASEMENTS DOES NOT EXCEED THE AREA PERMITTED FOR A ONE-STORY ABOVE GRADE PLANE BUILDING.



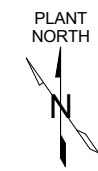
**KEYPLAN**

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

**HEADWORKS PARTIAL (AREAS 45 AND 50) CODE COMPLIANCE PLANS**



PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON

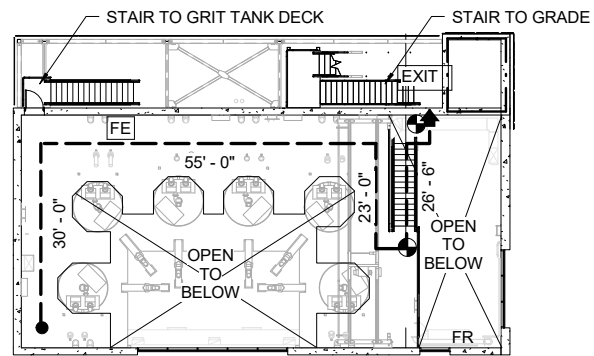
NO.	DATE	DESCRIPTION	BY	APPRD

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE AS SHOWN	DATE OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO. <b>000-A-01-0006</b>	DRAWING / FILE NO. <b>WW14398</b>	REVISION NO. <b>0</b>

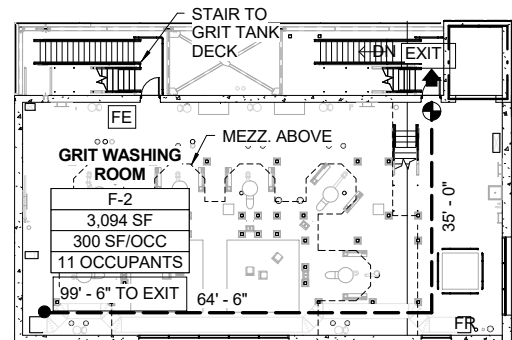
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CITY DATUM = SFVD13 -11.35 FT

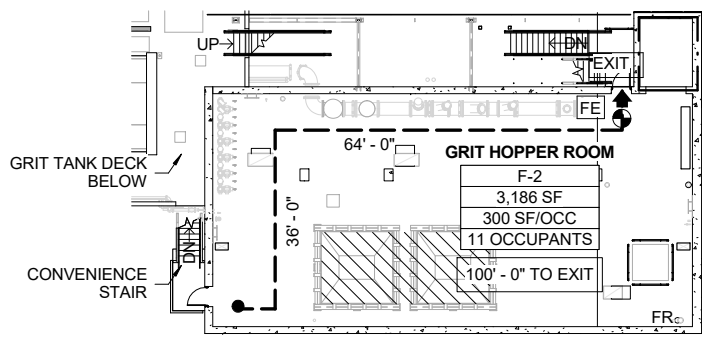
10/31/2018



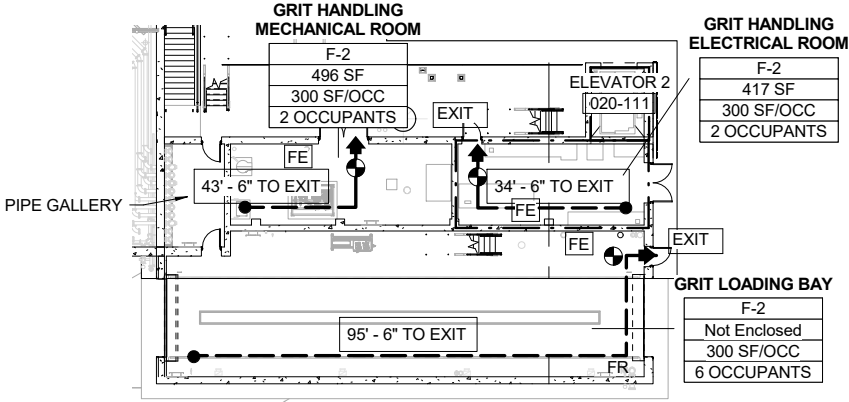
**4 GRIT HANDLING MEZZANINE CODE PLAN**  
SCALE: 1/16" = 1'-0"



**3 GRIT HANDLING TOP CODE PLAN**  
SCALE: 1/16" = 1'-0"



**2 GRIT HANDLING INTERMEDIATE CODE PLAN**  
SCALE: 1/16" = 1'-0"



**1 GRIT HANDLING BOTTOM FLOOR CODE PLAN**  
SCALE: 1/16" = 1'-0"

**CODE DATA - HEADWORKS GRIT HANDLING AREA**

PROJECT TYPE:  
WASTEWATER TREATMENT FACILITY - HEADWORKS GRIT HANDLING AREA

OCCUPANCY: F-2  
CONSTRUCTION TYPE: II-B  
NFPA 820 CLASSIFICATION:

GRIT HANDLING AREA UNCLASSIFIED  
LOAD OUT BAYS UNCLASSIFIED  
GRIT HANDLING ELECTRICAL UNCLASSIFIED

CLASS A ROOFING

SPRINKLED  
TABLE 504.3 ALLOWABLE HEIGHT: 75'-0"  
TABLE 504.4 ALLOWABLE STORIES: 4 STORIES  
TABLE 506.2 ALLOWABLE AREA: 69,000 SQ FT

GRIT ELECTRICAL  
ACTUAL NUMBER OF STORIES: 4 STORIES  
ACTUAL BUILDING HEIGHT: 65'-0"  
ACTUAL AREA: 10,244 SQ FT.

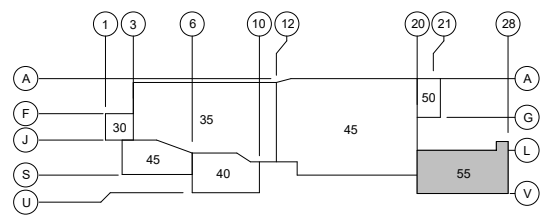
DESIGN MEETS REQUIREMENTS: YES

FIRE DETECTION & SUPPRESSION  
FIRE ALARM SYSTEM: YES PER NFPA 820 TABLE 6.2 AND 2016 CBC, SECTION 907.2.4

SMOKE DETECTION SYSTEM: NO  
SMOKE CONTROL SYSTEM: NO  
COMBUSTIBLE GAS DETECTION: NO PER NFPA 820 TABLE 5.2

FIRE SPRINKLER SYSTEM: YES  
STANDPIPE SYSTEM: YES  
FIRE EXTINGUISHERS: YES PER NFPA 820 TABLE 6.2 2016 CBC, SECTION 906.1  
HYDRANT PROTECTION: YES PER NFPA 820 TABLE 6.2 AND SECTION 7.2.4

ROOM NAME	AREA	OCCUPANCY TYPE	OCCUPANT LOAD
ELEVATOR 2	93 SF	F-2 ACC	
GRIT HANDLING ELECTRICAL ROOM	417 SF	F-2	2 OCCUPANTS
GRIT HANDLING MECHANICAL ROOM	496 SF	F-2	2 OCCUPANTS
GRIT HOPPER ROOM	3186 SF	F-2	11 OCCUPANTS
GRIT LOADING BAY	Not Enclosed	F-2	6 OCCUPANTS
GRIT WASHING ROOM	3094 SF	F-2	11 OCCUPANTS
GRIT WASHING ROOM MEZZANINE	1359 SF	F-2	5 OCCUPANTS
<b>TOTALS</b>	<b>10,244 SF</b>		<b>37 OCCUPANTS</b>



**KEYPLAN**

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

**HEADWORKS PARTIAL (AREA 55) CODE COMPLIANCE PLANS**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE OCT 2018	
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 000-A-01-0007	DRAWING / FILE NO. WW14399
	REVISION NO. 0

**carollo**

PROJECT ENGINEER: M. ESQUER  
PROJECT MANAGER: W. KARAM  
APPROVED: C. SANDERSON

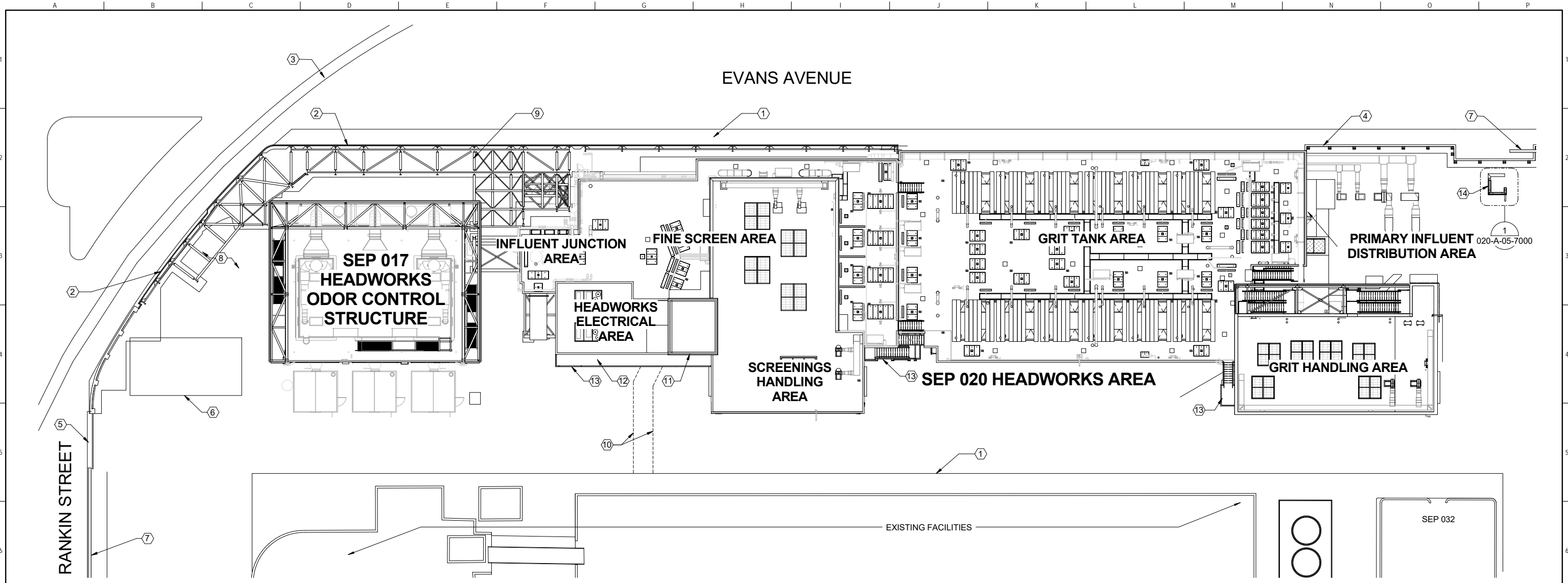
DRAWN: N. CARDEN  
DESIGNED: J. MCGRAW  
CHECKED: C. SANDERSON

DATE: 10/31/2018



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CITY DATUM = SFVD13  
-11.35 FT



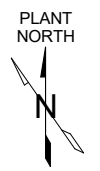
**1** ARCHITECTURAL SITE PLAN  
SCALE: 1" = 20'-0"

**GENERAL NOTES**

1. SEE CIVIL AND LANDSCAPE DRAWINGS FOR FURTHER INFORMATION.
2. SEE STRUCTURAL DRAWINGS FOR ALL RAILING TYPES NOT INDICATED ON THIS PLAN.

**KEYNOTES**

- ① SIDEWALK
- ② ART WALL - BY OTHERS
- ③ RAILROAD TRACKS
- ④ 10'-0" TALL METAL PANEL SECURITY FENCE - SEE LANDSCAPE
- ⑤ TRUCK ACCESS GATE
- ⑥ SUBSTATION 1A/1B
- ⑦ EXISTING WALL
- ⑧ EXISTING PIPE PIT
- ⑨ PIPE SUPPORT STRUCTURE
- ⑩ CROSSWALK
- ⑪ TOUR ENTRANCE UNDER BALCONY
- ⑫ CONVENIENCE BALCONY
- ⑬ WIRE ROPE RAILING SYSTEM
- ⑭ MOCK UP ASSEMBLY - FINAL LOCATION DETERMINED BY CONTRACTOR



CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

<b>ARCHITECTURAL SITE PLAN</b>	
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN DATE OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>000-A-01-1001</b>	DRAWING / FILE NO. <b>WW14400</b> REVISION NO. <b>0</b>

<b>carollo</b>	
PROJECT ENGINEER <b>M. ESQUER</b>	DRAWN <b>N. CARDEN</b>
PROJECT MANAGER <b>W. KARAM</b>	DESIGNED <b>J. MCGRAW</b>
APPROVED	CHECKED <b>C. SANDERSON</b>
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018





**GENERAL NOTES**

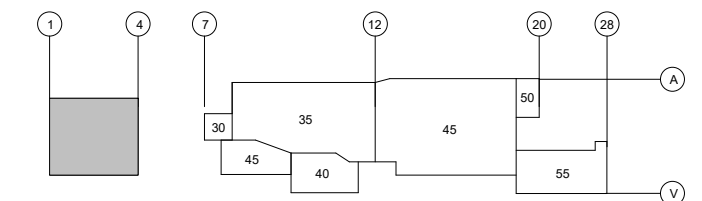
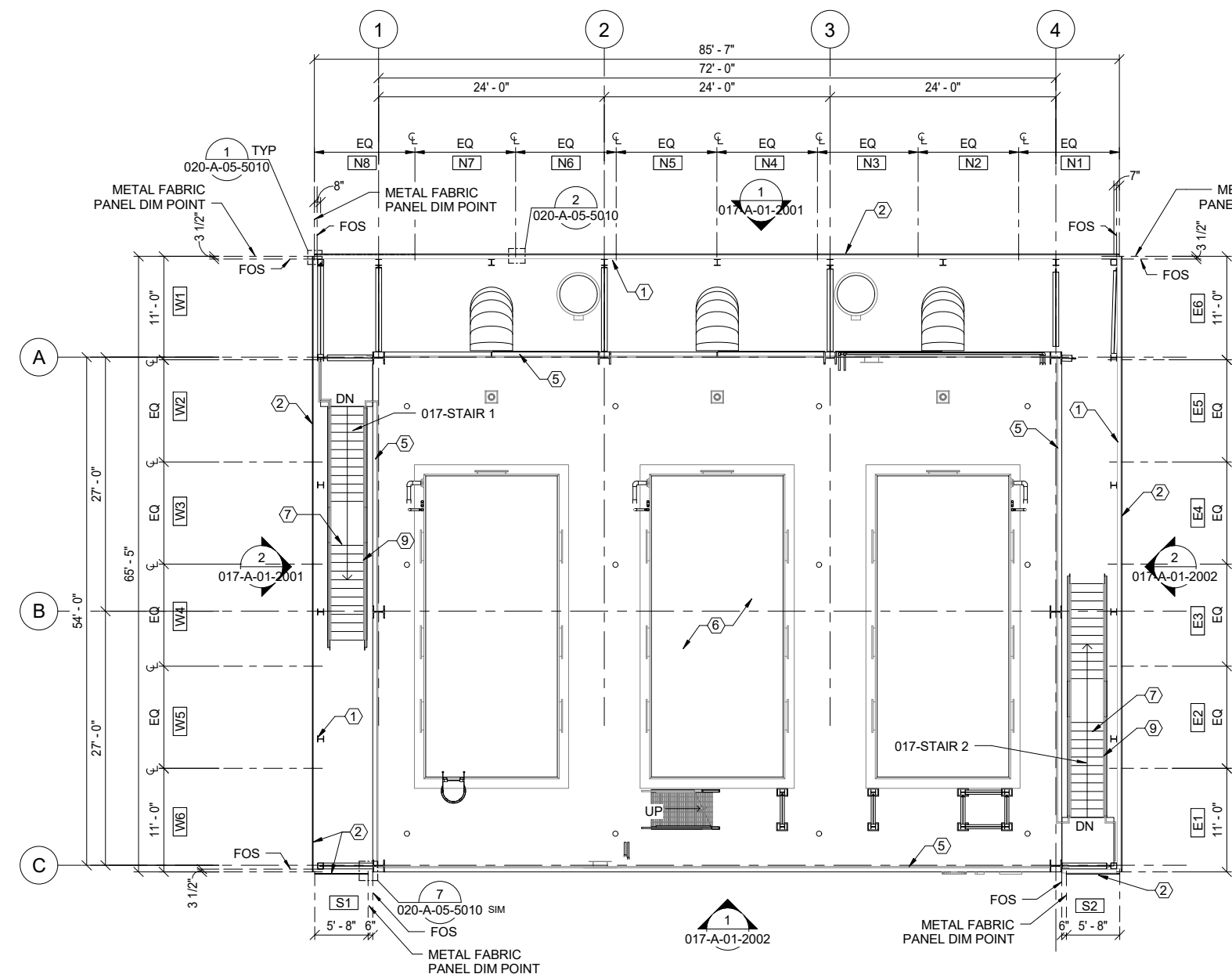
1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
2. SEE METAL FABRIC DETAILS FOR DIMENSIONAL REFERENCE POINTS. FIELD VERIFY ALL AS BUILT DIMENSION PRIOR TO FABRICATION OF METAL FABRIC SYSTEM.
3. VIEW ONLY TO ILLUSTRATE MESH FABRIC LAYOUT. SEE STRUCTURAL FOR MORE INFORMATION ON ODOR CONTROL STRUCTURE LEVELS.

**KEY NOTES**

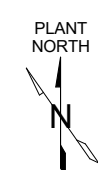
- ① STRUCTURAL FRAME FOR METAL FABRIC SYSTEM
- ② METAL FABRIC SYSTEM
- ③ SUPPORT RAIL
- ④ STRUCTURE BEYOND
- ⑤ PIPE GUARDRAIL
- ⑥ PROCESS MECHANICAL EQUIPMENT
- ⑦ STAIR ASSEMBLY - SEE STRUCTURAL
- ⑧ INTERMEDIATE LINK FOR METAL FABRIC SYSTEM
- ⑨ PIPE GUARDRAIL AND HANDRAIL BOTH SIDES
- ⑩ EXTRUDED ALUMINUM SIGNAGE

**LEGEND**

X# METAL FABRIC SYSTEM PANEL TAG



**1 HEADWORKS ODOR CONTROL METAL FABRIC LAYOUT - LEVEL 3**  
SCALE: 1/8" = 1'-0"



**KEYPLAN**

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT  
SEP 017  
**HEADWORKS ODOR CONTROL STRUCTURE MESH  
PANEL LAYOUT PLAN**

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>017-A-01-1001</b>	DRAWING / FILE NO. <b>WW14567</b>
REVISION NO. <b>0</b>	

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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018

**GENERAL NOTES**

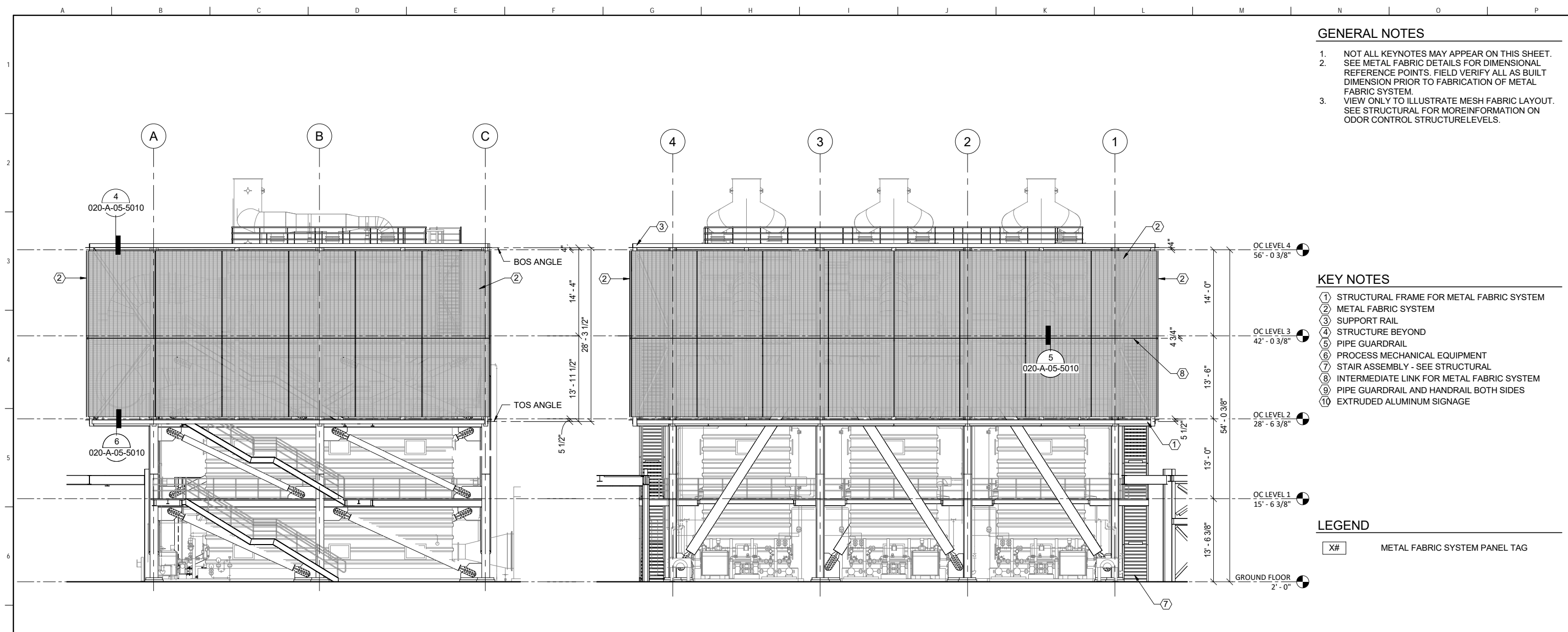
1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
2. SEE METAL FABRIC DETAILS FOR DIMENSIONAL REFERENCE POINTS. FIELD VERIFY ALL AS BUILT DIMENSION PRIOR TO FABRICATION OF METAL FABRIC SYSTEM.
3. VIEW ONLY TO ILLUSTRATE MESH FABRIC LAYOUT. SEE STRUCTURAL FOR MORE INFORMATION ON ODOR CONTROL STRUCTURE LEVELS.

**KEY NOTES**

- 1 STRUCTURAL FRAME FOR METAL FABRIC SYSTEM
- 2 METAL FABRIC SYSTEM
- 3 SUPPORT RAIL
- 4 STRUCTURE BEYOND
- 5 PIPE GUARDRAIL
- 6 PROCESS MECHANICAL EQUIPMENT
- 7 STAIR ASSEMBLY - SEE STRUCTURAL
- 8 INTERMEDIATE LINK FOR METAL FABRIC SYSTEM
- 9 PIPE GUARDRAIL AND HANDRAIL BOTH SIDES
- 10 EXTRUDED ALUMINUM SIGNAGE

**LEGEND**

X# METAL FABRIC SYSTEM PANEL TAG



**2** ELEVATION - WEST  
SCALE: 1/8" = 1'-0"

**1** ELEVATION - NORTH  
SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 017  
**HEADWORKS ODOR CONTROL STRUCTURE MESH ELEVATIONS - 1**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
017-A-01-2001	WW14568	0

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
NO.	DATE
DESCRIPTION	BY
REVISIONS	



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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018

**GENERAL NOTES**

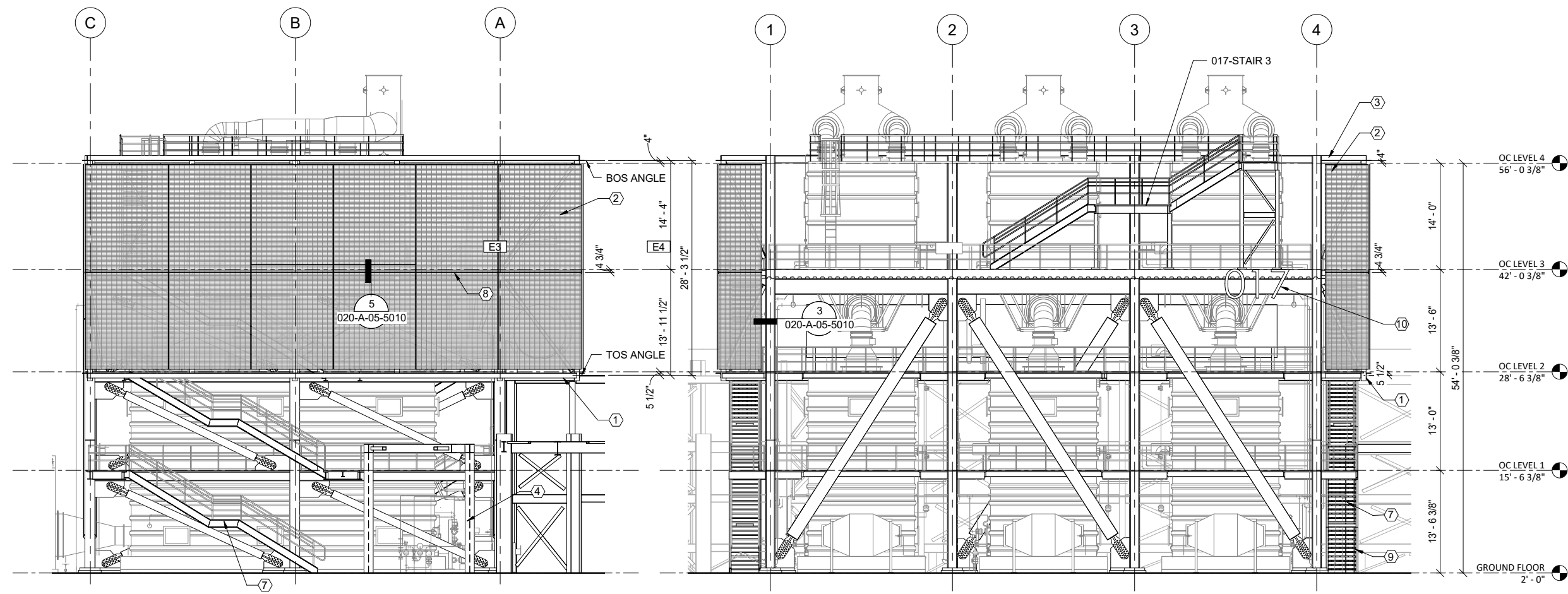
1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET. SEE METAL FABRIC DETAILS FOR DIMENSIONAL REFERENCE POINTS. FIELD VERIFY ALL AS BUILT DIMENSION PRIOR TO FABRICATION OF METAL FABRIC SYSTEM.
2. VIEW ONLY TO ILLUSTRATE MESH FABRIC LAYOUT. SEE STRUCTURAL FOR MORE INFORMATION ON ODOR CONTROL STRUCTURE LEVELS.

**KEY NOTES**

- ① STRUCTURAL FRAME FOR METAL FABRIC SYSTEM
- ② METAL FABRIC SYSTEM
- ③ SUPPORT RAIL
- ④ STRUCTURE BEYOND
- ⑤ PIPE GUARDRAIL
- ⑥ PROCESS MECHANICAL EQUIPMENT
- ⑦ STAIR ASSEMBLY - SEE STRUCTURAL
- ⑧ INTERMEDIATE LINK FOR METAL FABRIC SYSTEM
- ⑨ PIPE GUARDRAIL AND HANDRAIL BOTH SIDES
- ⑩ EXTRUDED ALUMINUM SIGNAGE

**LEGEND**

X# METAL FABRIC SYSTEM PANEL TAG



**2** ELEVATION - EAST  
SCALE: 1/8" = 1'-0"

**1** ELEVATION - SOUTH  
SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT  
SEP 017  
HEADWORKS ODOR CONTROL STRUCTURE MESH  
ELEVATIONS - 2

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

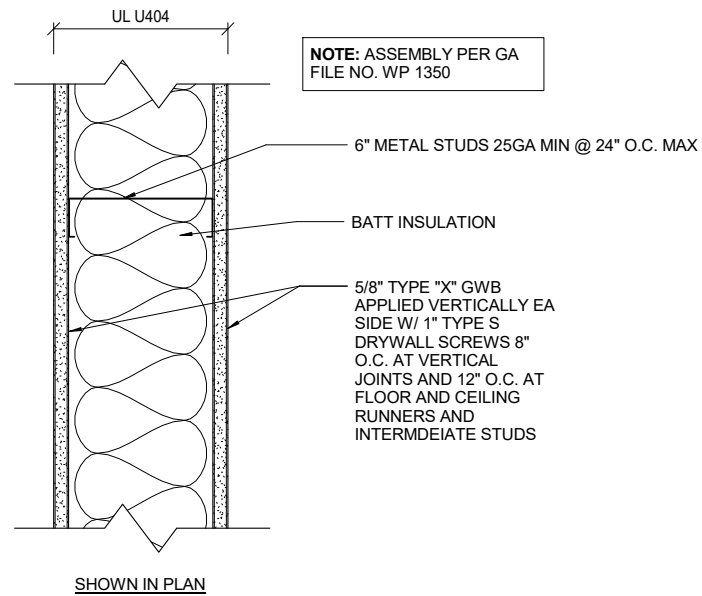
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>017-A-01-2002</b>	DRAWING / FILE NO. <b>WW14569</b>
REVISION NO. <b>0</b>	



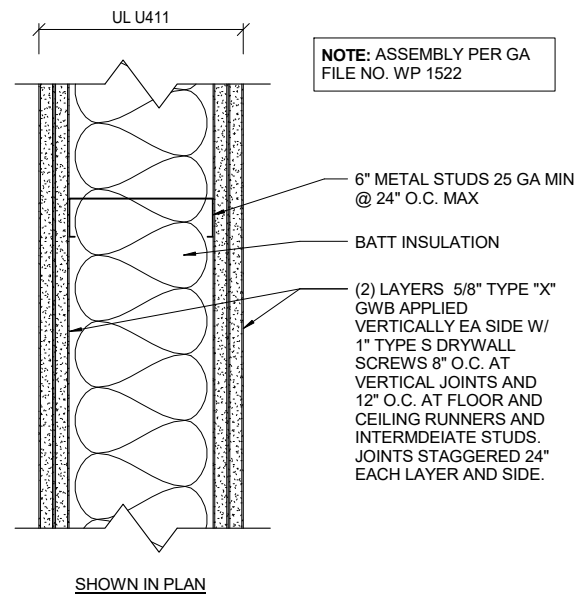
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CITY DATUM = SFVD13 -11.35 FT

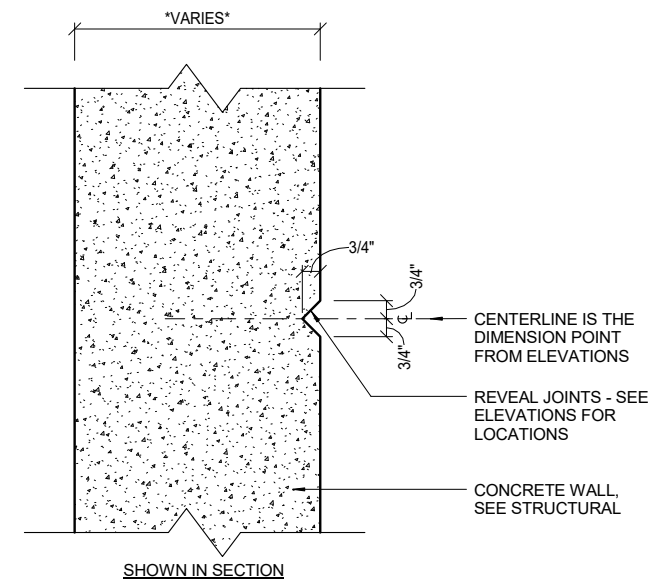
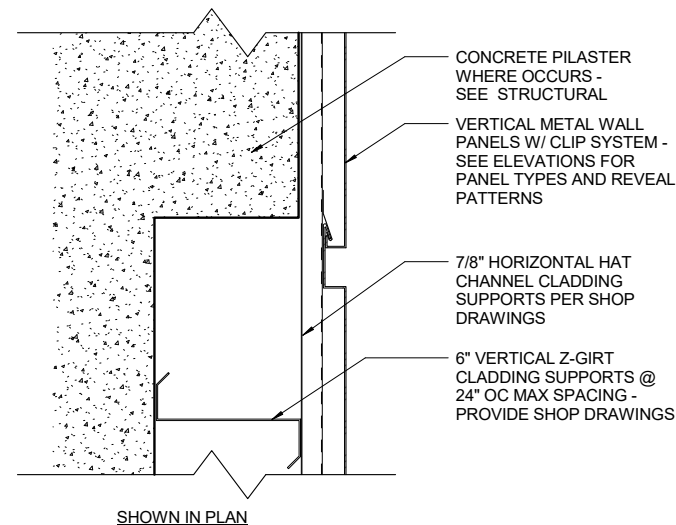
10/31/2018



NOTE: ASSEMBLY PER GA FILE NO. WP 1350



NOTE: ASSEMBLY PER GA FILE NO. WP 1522

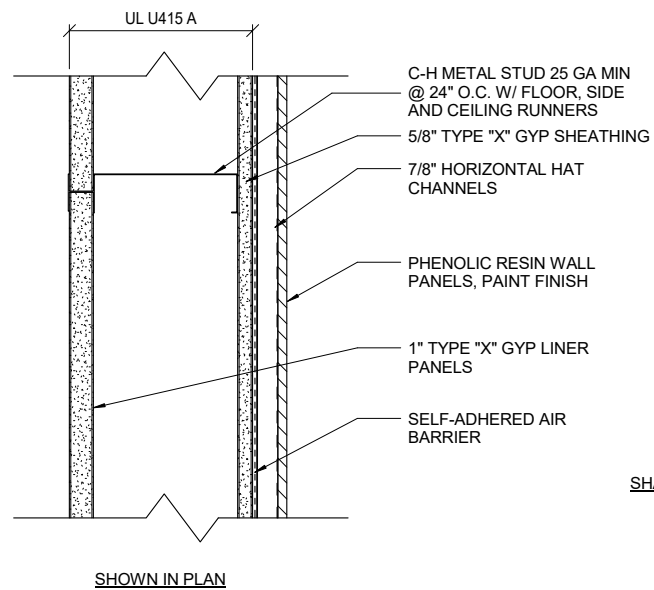


**G INT. WALL - 1-HR**  
SCALE: 3" = 1'-0"

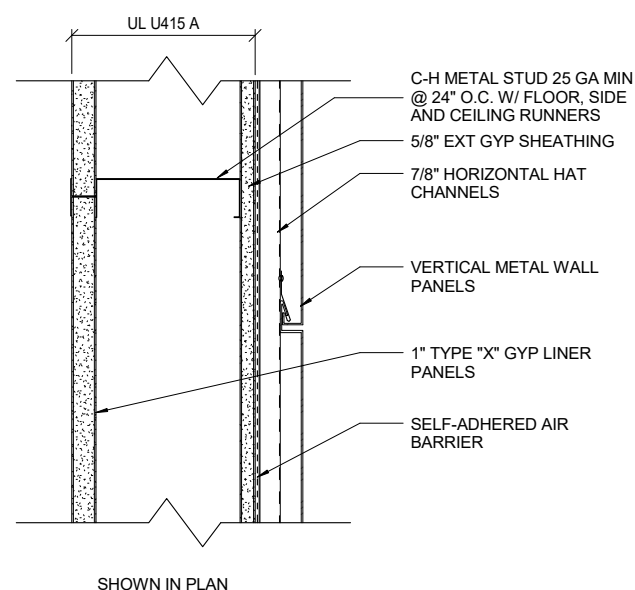
**E INT. WALL - 2-HR**  
SCALE: 3" = 1'-0"

**C METAL WALL PANEL AT PILASTERS**  
SCALE: 3" = 1'-0"

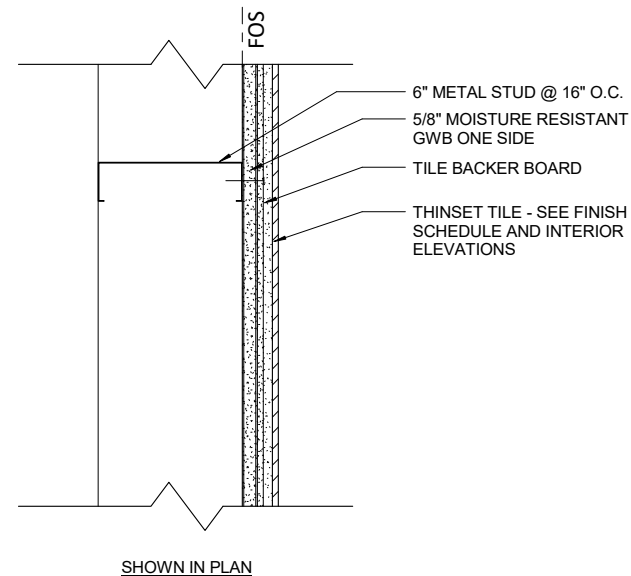
**A EXT. CONCRETE WALL**  
SCALE: 3" = 1'-0"



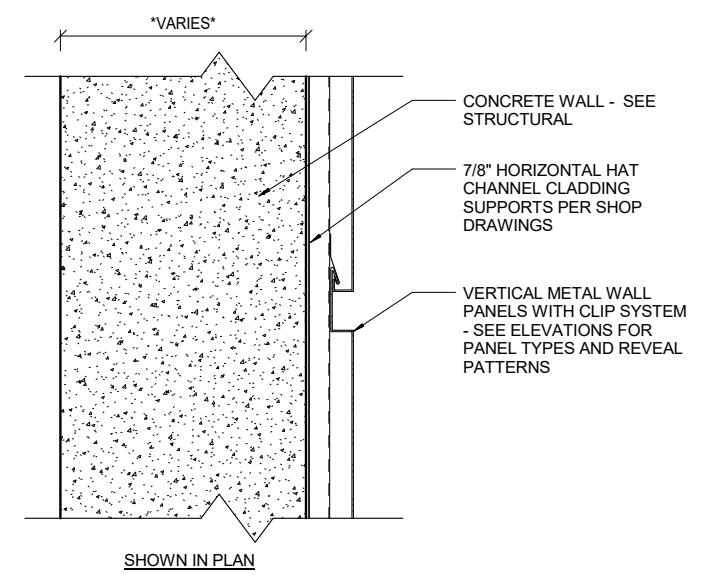
**H INT ELEV SHAFT INFILL WALL - 1-HR**  
SCALE: 3" = 1'-0"



**F EXT ELEV SHAFT INFILL WALL - 1-HR**  
SCALE: 3" = 1'-0"



**D INT. TILE WALL AT METAL STUD**  
SCALE: 3" = 1'-0"



**B METAL WALL PANEL**  
SCALE: 3" = 1'-0"

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

**VERTICAL ASSEMBLIES**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
APPROVED	AS SHOWN	OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-01-5001	WW14780	0

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

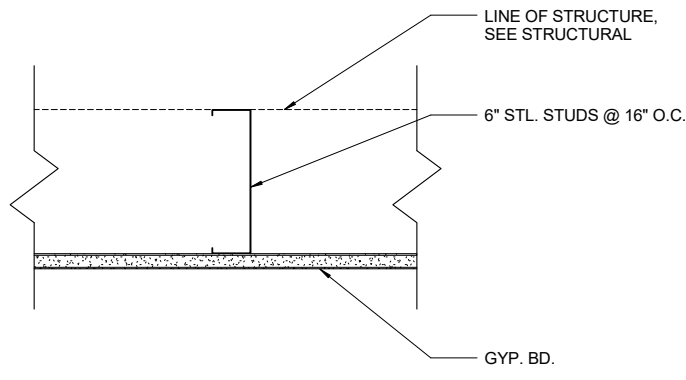


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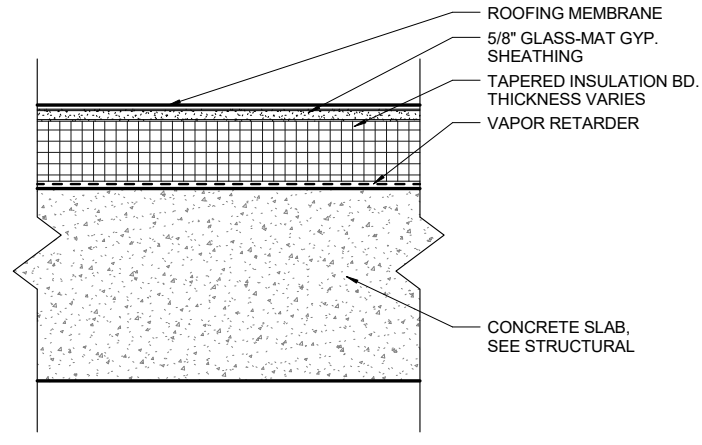
CITY DATUM = SFVD13  
-11.35 FT

10/31/2018

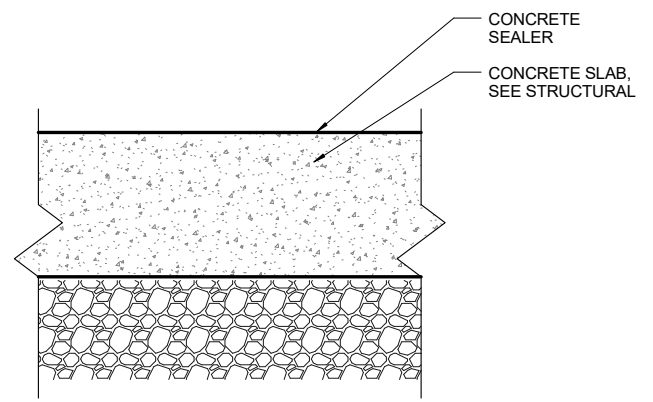
**5** **GWB CEILING**  
SCALE: 3" = 1'-0"



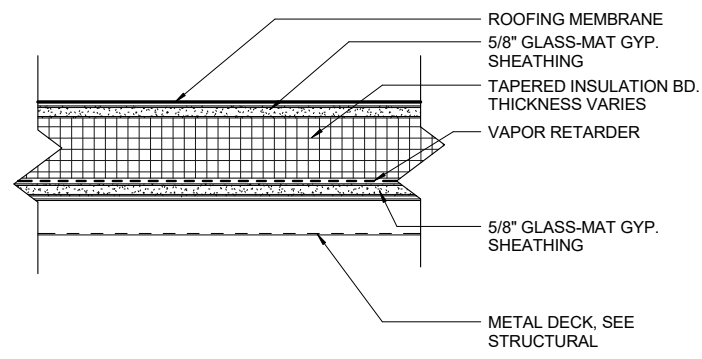
**3** **CONCRETE ROOF**  
SCALE: 3" = 1'-0"



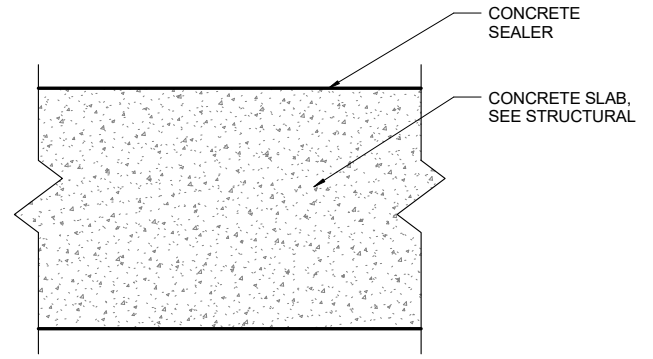
**1** **CONCRETE FLOOR SLAB**  
SCALE: 3" = 1'-0"



**4** **ROOF AT METAL DECK**  
SCALE: 3" = 1'-0"



**2** **CONCRETE FLOOR**  
SCALE: 3" = 1'-0"



CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

**HORIZONTAL ASSEMBLIES**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-01-5002	WW14781	0

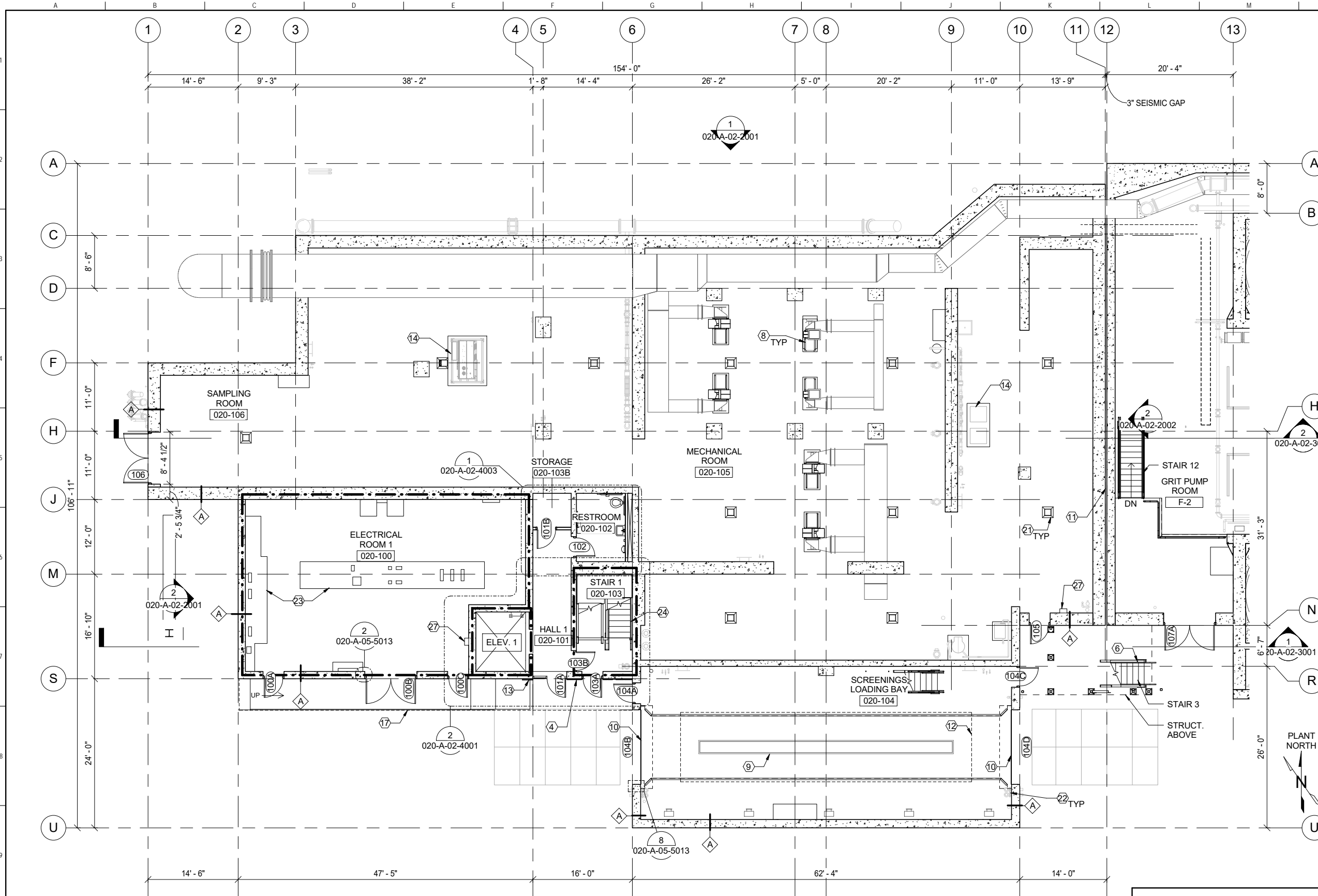
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
	BY
	APPRD
REVISIONS	



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CITY DATUM  
= SFVD13  
-11.35 FT

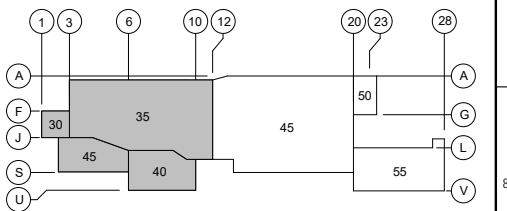
10/31/2018



- GENERAL NOTES:**
- NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
  - ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
  - SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS
  - SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
  - SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

- KEY NOTES**
- STOREFRONT WINDOW SYSTEM
  - CONVENIENCE BALCONY
  - METAL WALL PANEL
  - CHANNEL GLAZING SYSTEM
  - WIRE ROPE RAILING SYSTEM
  - PIPE GUARDRAIL
  - HVAC
  - TRENCH DRAIN
  - OVERHEAD COILING DOOR
  - SEISMIC JOINT WITH COVER
  - EDGE OF OPENING ABOVE
  - METAL COMPOSITE PANEL TRIM
  - PROCESS MECHANICAL EQUIPMENT
  - CANOPY ABOVE
  - MEZZANINE
  - EDGE OF BALCONY ABOVE
  - CURTAINWALL WINDOW SYSTEM
  - DOWNSPOUT & SPLASHBLOCK
  - CORNER GUARD CG-1 - SEE SPECS
  - FLOOR DRAIN
  - ROOF DRAIN DISCHARGE
  - ELECTRICAL EQUIPMENT
  - PERF METAL RAILING SYSTEM
  - TAPERED CONC. DECK, SEE STRUCT.
  - FIRE EXTINGUISHER IN FEC
  - HEAVY DUTY FLOOR DRAIN, SEE STRUCT.

- LEGEND**
- NON-OCCUPIED SPACE
  - METAL FABRIC SYSTEM PANEL TAG (X#)
  - 1-HR RATED WALL
  - 2-HR RATED WALL



**KEYPLAN**

CONTRACT NO. WW-628-03  
 CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020 HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40) GROUND FLOOR PLAN	
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-02-1001	DRAWING / FILE NO. WW14782
REVISION NO. 0	

**1 HEADWORKS PARTIAL GROUND FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

020-A-02-2002

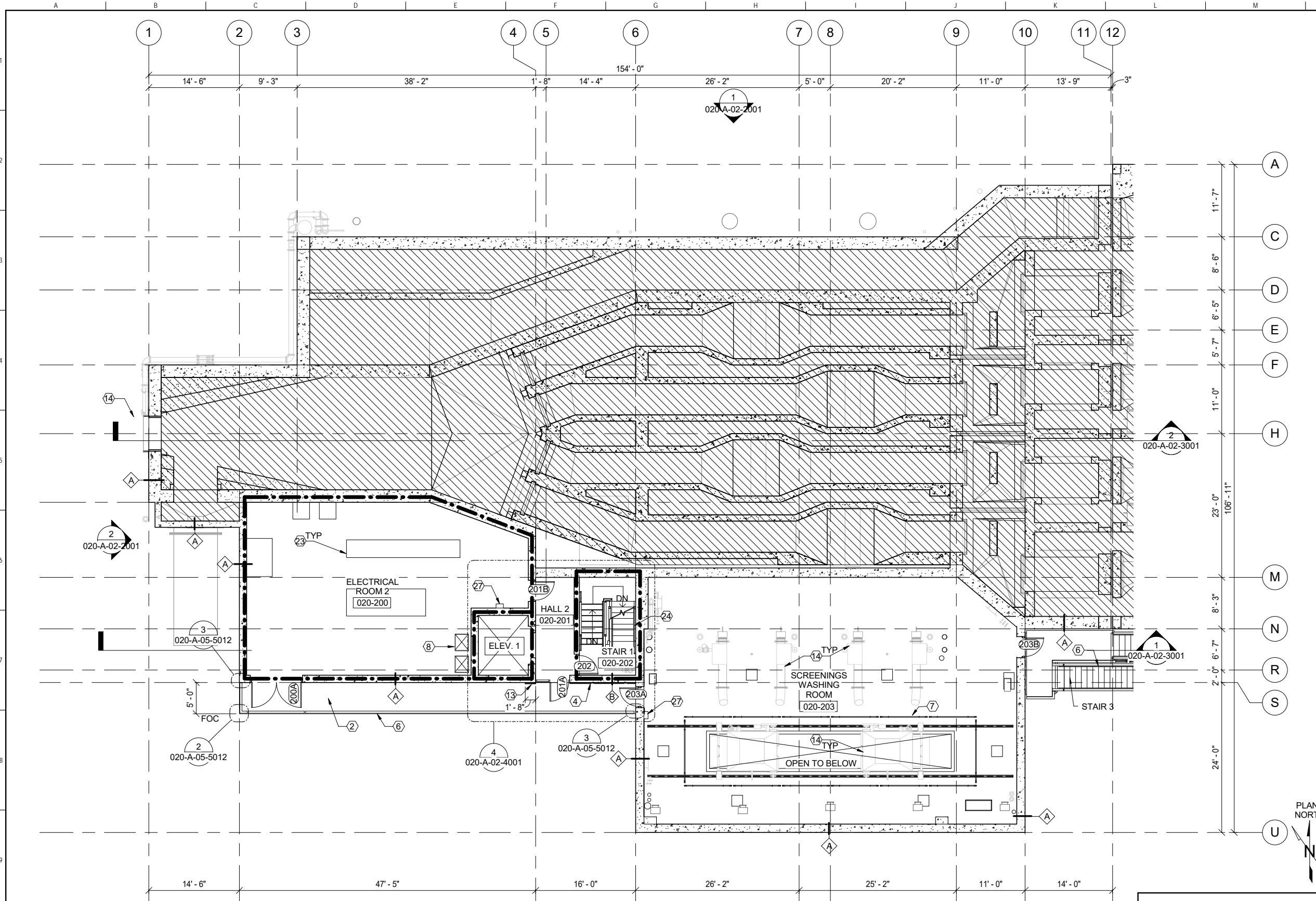


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CITY DATUM = SFVD13  
 -11.35 FT

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

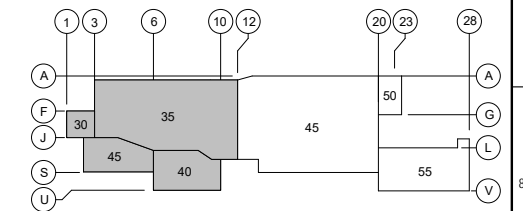
10/31/2018



- GENERAL NOTES:**
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  - ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
  - SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS.
  - SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
  - SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

- KEY NOTES**
- STOREFRONT WINDOW SYSTEM
  - CONVENIENCE BALCONY
  - METAL WALL PANEL
  - CHANNEL GLAZING SYSTEM
  - WIRE ROPE RAILING SYSTEM
  - PIPE GUARDRAIL
  - HVAC
  - TRENCH DRAIN
  - OVERHEAD COILING DOOR
  - SEISMIC JOINT WITH COVER
  - EDGE OF OPENING ABOVE
  - METAL COMPOSITE PANEL TRIM
  - PROCESS MECHANICAL EQUIPMENT
  - CANOPY ABOVE
  - MEZZANINE
  - EDGE OF BALCONY ABOVE
  - CURTAINWALL WINDOW SYSTEM
  - DOWNSPOUT & SPLASHBLOCK
  - CORNER GUARD CG-1 - SEE SPECS
  - FLOOR DRAIN
  - ROOF DRAIN DISCHARGE
  - ELECTRICAL EQUIPMENT
  - PERF METAL RAILING SYSTEM
  - TAPERED CONC. DECK, SEE STRUCT.
  - FIRE EXTINGUISHER IN FEC
  - HEAVY DUTY FLOOR DRAIN, SEE STRUCT.

- LEGEND**
- NON-OCCUPIED SPACE
  - METAL FABRIC SYSTEM PANEL TAG (X#)
  - 1-HR RATED WALL
  - 2-HR RATED WALL



**KEYPLAN**

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40)  
 INTERMEDIATE FLOOR PLAN**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-02-1002	DRAWING / FILE NO. WW14783
REVISIONS	REVISION NO. 0

**1 HEADWORKS PARTIAL INTERMEDIATE FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

1  
 020-A-02-2002



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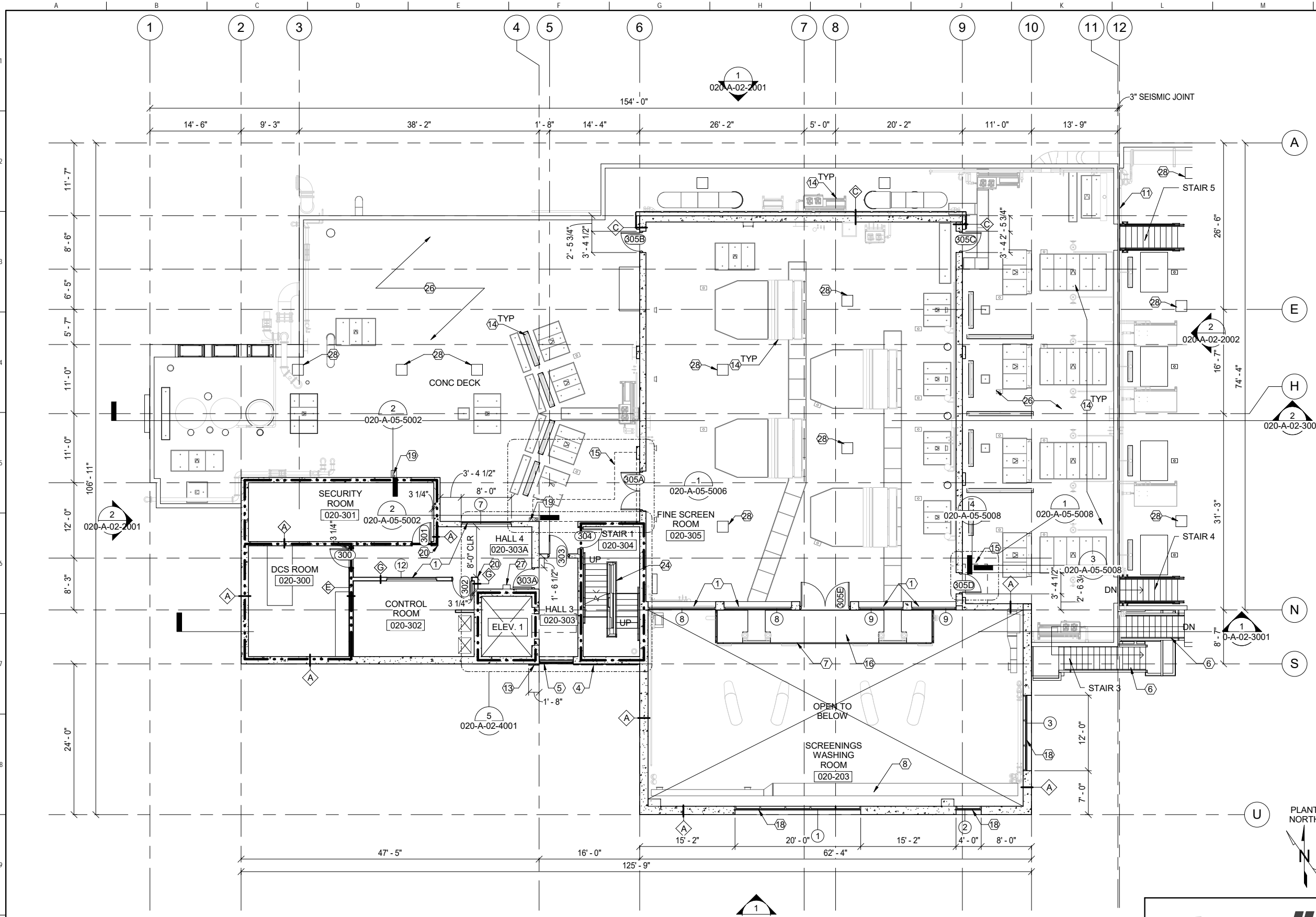
CITY DATUM = SFVD13  
 -11.35 FT

**carollo**

PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON

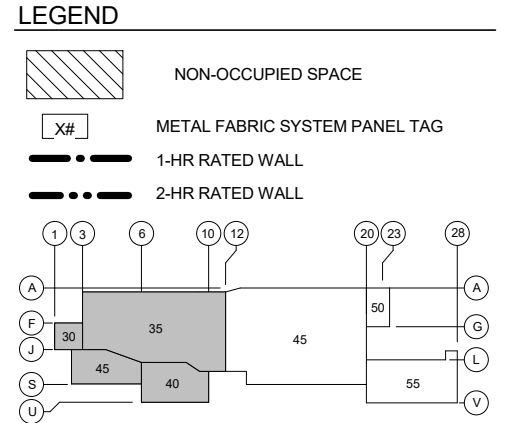
10/31/2018





- GENERAL NOTES:**
- NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
  - ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
  - SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS.
  - SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
  - SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

- KEY NOTES**
- STOREFRONT WINDOW SYSTEM
  - CONVENIENCE BALCONY
  - METAL WALL PANEL
  - CHANNEL GLAZING SYSTEM
  - WIRE ROPE RAILING SYSTEM
  - PIPE GUARDRAIL
  - HVAC
  - TRENCH DRAIN
  - OVERHEAD COILING DOOR
  - SEISMIC JOINT WITH COVER
  - EDGE OF OPENING ABOVE
  - METAL COMPOSITE PANEL TRIM
  - PROCESS MECHANICAL EQUIPMENT
  - CANOPY ABOVE
  - MEZZANINE
  - EDGE OF BALCONY ABOVE
  - CURTAINWALL WINDOW SYSTEM
  - DOWNSPOUT & SPLASHBLOCK
  - CORNER GUARD CG-1 - SEE SPECS
  - FLOOR DRAIN
  - ROOF DRAIN DISCHARGE
  - ELECTRICAL EQUIPMENT
  - PERF METAL RAILING SYSTEM
  - TAPERED CONC. DECK, SEE STRUCT.
  - FIRE EXTINGUISHER IN FEC
  - HEAVY DUTY FLOOR DRAIN, SEE STRUCT.



**KEYPLAN**

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40)  
 TOP FLOOR PLAN**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
APPROVED	AS SHOWN	OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-02-1003	WW14784	0

**1 HEADWORKS PARTIAL TOP FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

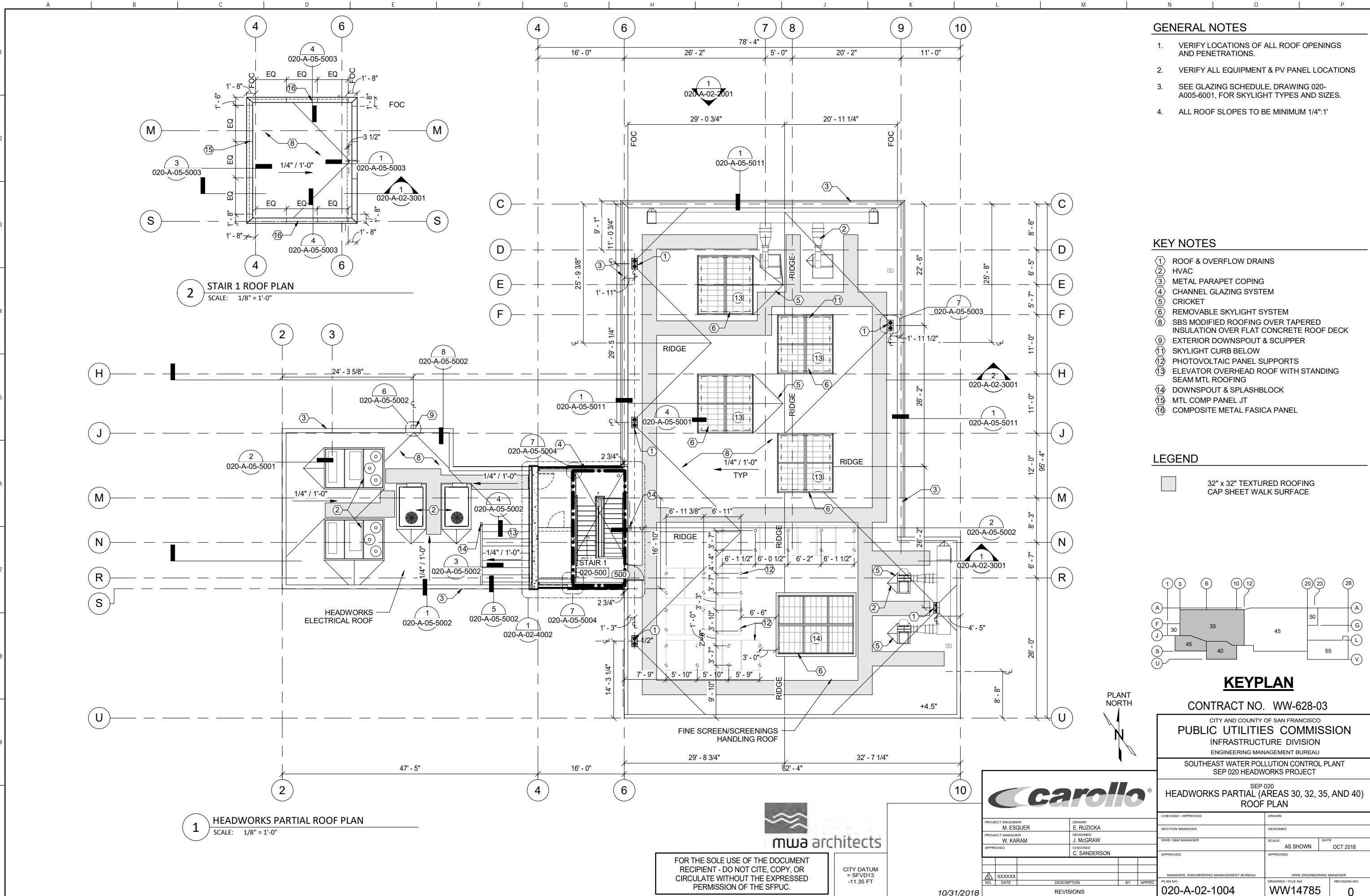


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CITY DATUM = SFVD13  
 -11.35 FT

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

10/31/2018



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

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

**GENERAL NOTES**

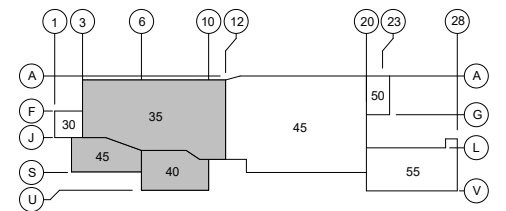
1. VERIFY LOCATIONS OF ALL ROOF OPENINGS AND PENETRATIONS.
2. VERIFY ALL EQUIPMENT & PV PANEL LOCATIONS
3. SEE GLAZING SCHEDULE, DRAWING 020-A005-6001, FOR SKYLIGHT TYPES AND SIZES.
4. ALL ROOF SLOPES TO BE MINIMUM 1/4":1"

**KEY NOTES**

- ① ROOF & OVERFLOW DRAINS
- ② HVAC
- ③ METAL PARAPET COPING
- ④ CHANNEL GLAZING SYSTEM
- ⑤ CRICKET
- ⑥ REMOVABLE SKYLIGHT SYSTEM
- ⑧ SBS MODIFIED ROOFING OVER TAPERED INSULATION OVER FLAT CONCRETE ROOF DECK
- ⑨ EXTERIOR DOWNSPOUT & SCUPPER
- ⑩ SKYLIGHT CURB BELOW
- ⑫ PHOTOVOLTAIC PANEL SUPPORTS
- ⑬ ELEVATOR OVERHEAD ROOF WITH STANDING SEAM MTL ROOFING
- ⑭ DOWNSPOUT & SPLASHBLOCK
- ⑮ MTL COMP PANEL JT
- ⑯ COMPOSITE METAL FASICA PANEL

**LEGEND**

■ 32" x 32" TEXTURED ROOFING CAP SHEET WALK SURFACE



**KEYPLAN**

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40)  
ROOF PLAN**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWW O&M MANAGER	SCALE	DATE
APPROVED	AS SHOWN	OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWW ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
<b>020-A-02-1004</b>	<b>WW14785</b>	<b>0</b>

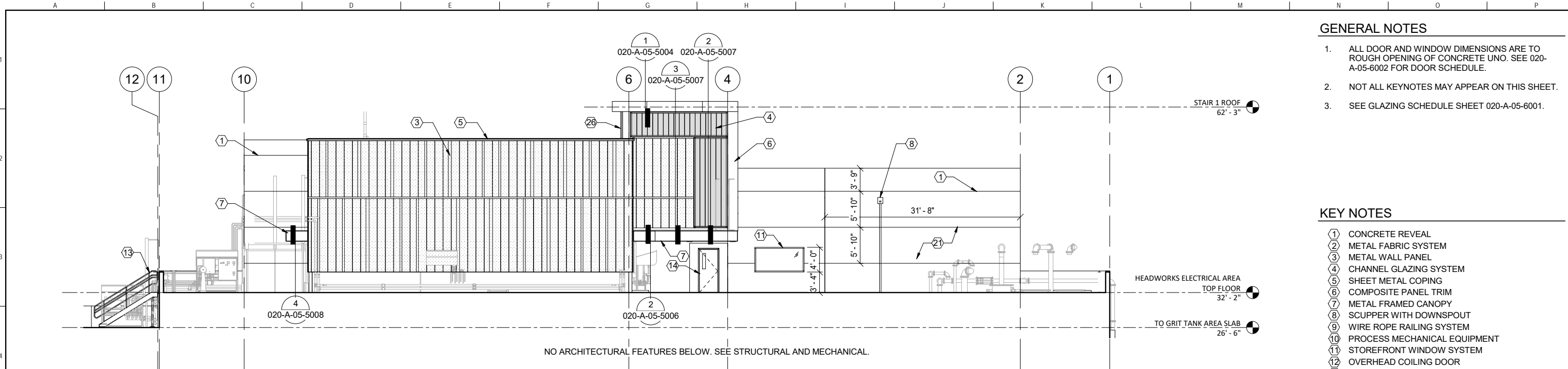
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON
DATE	DESCRIPTION
	BY
	APPRD
REVISIONS	



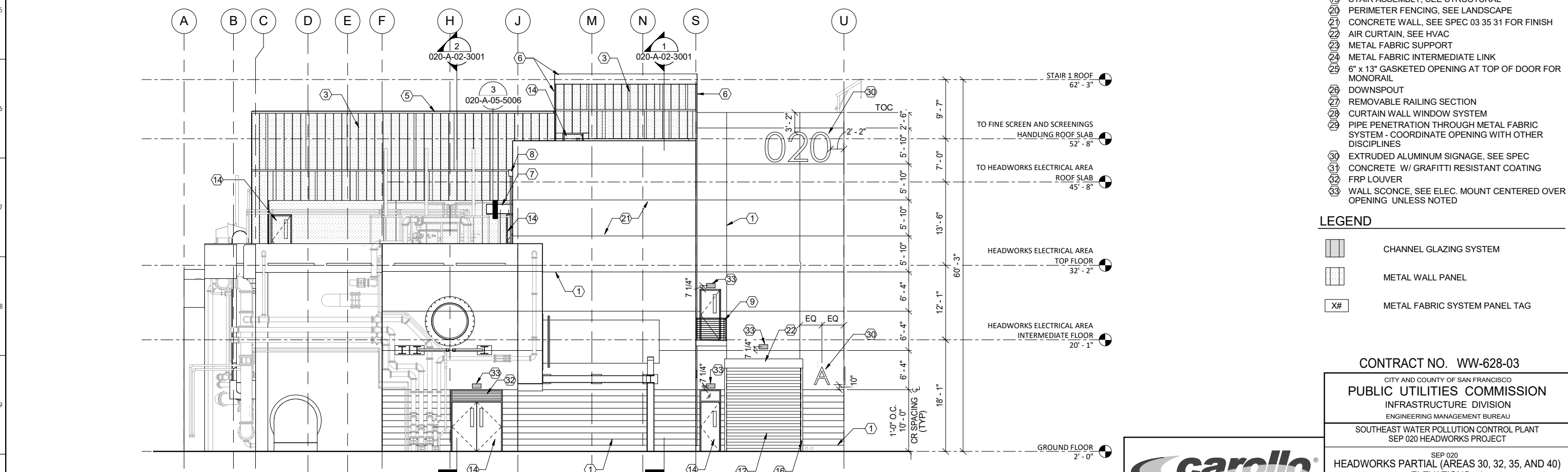
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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018



**1 ELEVATION - NORTH**  
SCALE: 1/8" = 1'-0"



**2 ELEVATION - WEST**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF CONCRETE UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE.
- NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
- SEE GLAZING SCHEDULE SHEET 020-A-05-6001.

**KEY NOTES**

- CONCRETE REVEAL
- METAL FABRIC SYSTEM
- METAL WALL PANEL
- CHANNEL GLAZING SYSTEM
- SHEET METAL COPING
- COMPOSITE PANEL TRIM
- METAL FRAMED CANOPY
- SCUPPER WITH DOWNSPOUT
- WIRE ROPE RAILING SYSTEM
- PROCESS MECHANICAL EQUIPMENT
- STOREFRONT WINDOW SYSTEM
- OVERHEAD COILING DOOR
- PIPE GUARDRAIL AND HANDRAIL
- FRP DOOR
- METAL COMPOSITE PANEL IN CONCRETE RECESS
- DOOR ARMOR
- STOREFRONT DOOR/WINDOW SYSTEM
- MONORAIL, SEE STRUCTURAL
- STAIR ASSEMBLY, SEE STRUCTURAL
- PERIMETER FENCING, SEE LANDSCAPE
- CONCRETE WALL, SEE SPEC 03 35 31 FOR FINISH
- AIR CURTAIN, SEE HVAC
- METAL FABRIC SUPPORT
- METAL FABRIC INTERMEDIATE LINK
- 6" x 13" GASKETED OPENING AT TOP OF DOOR FOR MONORAIL
- DOWNSPOUT
- REMOVABLE RAILING SECTION
- CURTAIN WALL WINDOW SYSTEM
- PIPE PENETRATION THROUGH METAL FABRIC SYSTEM - COORDINATE OPENING WITH OTHER DISCIPLINES
- EXTRUDED ALUMINUM SIGNAGE, SEE SPEC
- CONCRETE W/ GRAFITTI RESISTANT COATING
- FRP LOUVER
- WALL SCONCE, SEE ELEC. MOUNT CENTERED OVER OPENING UNLESS NOTED

**LEGEND**

- CHANNEL GLAZING SYSTEM
- METAL WALL PANEL
- METAL FABRIC SYSTEM PANEL TAG

**CONTRACT NO. WW-628-03**

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40)  
ELEVATIONS - 1**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
APPROVED	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
<b>020-A-02-2001</b>	<b>WW14786</b>	<b>0</b>

**carollo**

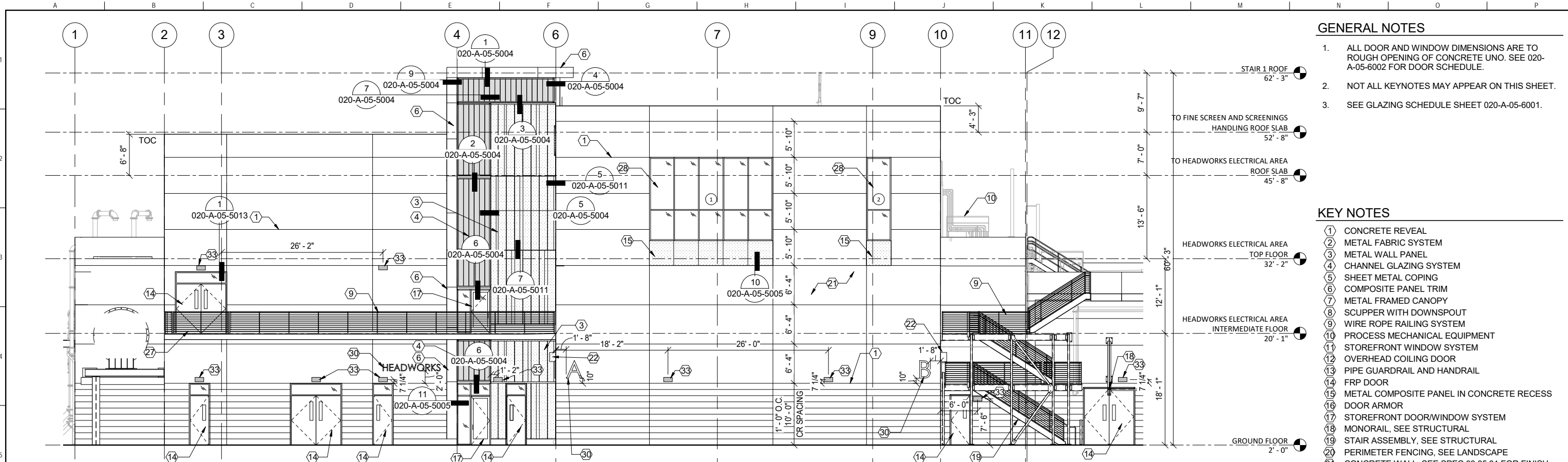
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON



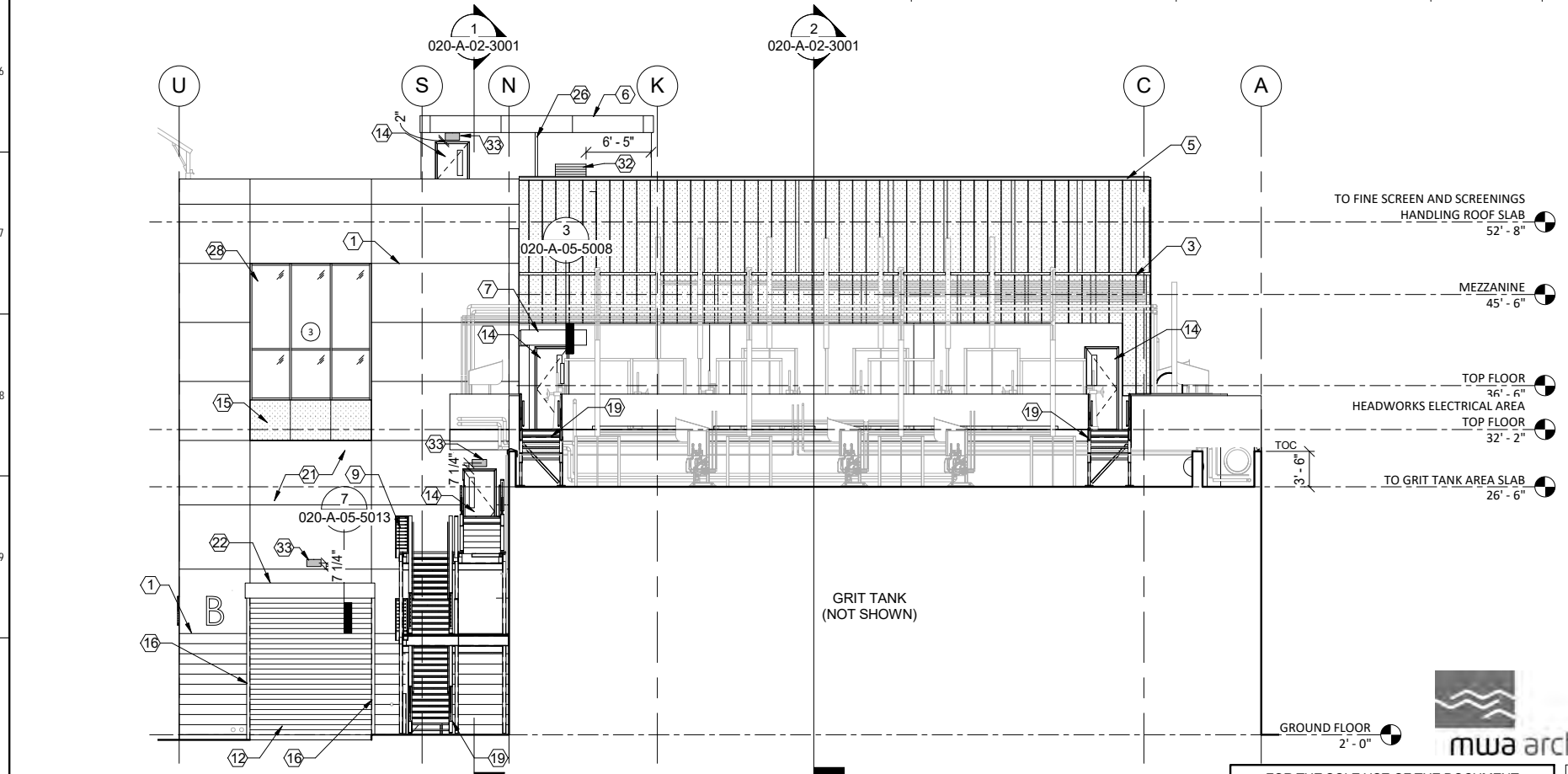
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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018



**1 ELEVATION - SOUTH**  
SCALE: 1/8" = 1'-0"



**2 ELEVATION - EAST**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

1. ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF CONCRETE UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE.
2. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
3. SEE GLAZING SCHEDULE SHEET 020-A-05-6001.

**KEY NOTES**

- ① CONCRETE REVEAL
- ② METAL FABRIC SYSTEM
- ③ METAL WALL PANEL
- ④ CHANNEL GLAZING SYSTEM
- ⑤ SHEET METAL COPING
- ⑥ COMPOSITE PANEL TRIM
- ⑦ METAL FRAMED CANOPY
- ⑧ SCUPPER WITH DOWNSPOUT
- ⑨ WIRE ROPE RAILING SYSTEM
- ⑩ PROCESS MECHANICAL EQUIPMENT
- ⑪ STOREFRONT WINDOW SYSTEM
- ⑫ OVERHEAD COILING DOOR
- ⑬ PIPE GUARDRAIL AND HANDRAIL
- ⑭ FRP DOOR
- ⑮ METAL COMPOSITE PANEL IN CONCRETE RECESS
- ⑯ DOOR ARMOR
- ⑰ STOREFRONT DOOR/WINDOW SYSTEM
- ⑱ MONORAIL, SEE STRUCTURAL
- ⑲ STAIR ASSEMBLY, SEE STRUCTURAL
- ⑳ PERIMETER FENCING, SEE LANDSCAPE
- ㉑ CONCRETE WALL, SEE SPEC 03 35 31 FOR FINISH
- ㉒ AIR CURTAIN, SEE HVAC
- ㉓ METAL FABRIC SUPPORT
- ㉔ METAL FABRIC INTERMEDIATE LINK
- ㉕ 6" x 13" GASKETED OPENING AT TOP OF DOOR FOR MONORAIL
- ㉖ DOWNSPOUT
- ㉗ REMOVABLE RAILING SECTION
- ㉘ CURTAIN WALL WINDOW SYSTEM
- ㉙ PIPE PENETRATION THROUGH METAL FABRIC SYSTEM - COORDINATE OPENING WITH OTHER DISCIPLINES
- ⑳ EXTRUDED ALUMINUM SIGNAGE, SEE SPEC
- ㉑ CONCRETE W/ GRAFITTI RESISTANT COATING
- ㉒ FRP LOUVER
- ㉓ WALL SCONCE, SEE ELEC. MOUNT CENTERED OVER OPENING UNLESS NOTED

**LEGEND**

- CHANNEL GLAZING SYSTEM
- METAL WALL PANEL
- METAL FABRIC SYSTEM PANEL TAG

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40)  
ELEVATIONS - 2**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-02-2002	WW14787	0

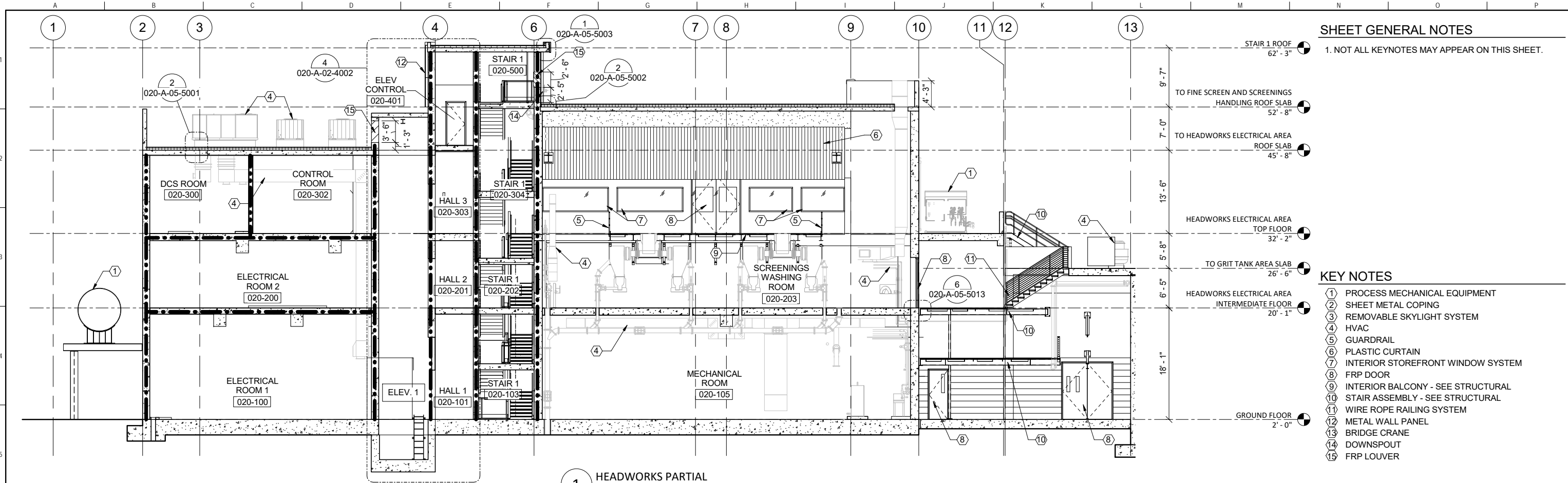
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
	BY
	APPRD
REVISIONS	



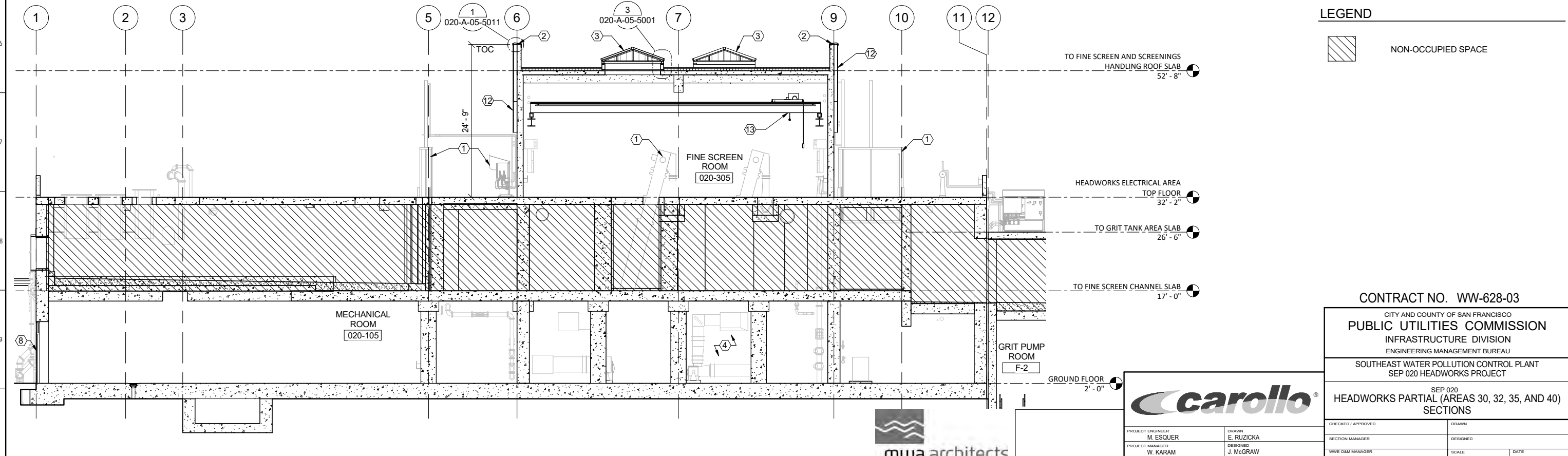
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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018



**1 HEADWORKS PARTIAL**  
SCALE: 1/8" = 1'-0"



**2 HEADWORKS PARTIAL**  
SCALE: 1/8" = 1'-0"

**SHEET GENERAL NOTES**

1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.

**KEY NOTES**

- ① PROCESS MECHANICAL EQUIPMENT
- ② SHEET METAL COPING
- ③ REMOVABLE SKYLIGHT SYSTEM
- ④ HVAC
- ⑤ GUARDRAIL
- ⑥ PLASTIC CURTAIN
- ⑦ INTERIOR STOREFRONT WINDOW SYSTEM
- ⑧ FRP DOOR
- ⑨ INTERIOR BALCONY - SEE STRUCTURAL
- ⑩ STAIR ASSEMBLY - SEE STRUCTURAL
- ⑪ WIRE ROPE RAILING SYSTEM
- ⑫ METAL WALL PANEL
- ⑬ BRIDGE CRANE
- ⑭ DOWNSPOUT
- ⑮ FRP LOUVER

**LEGEND**



CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40) SECTIONS**

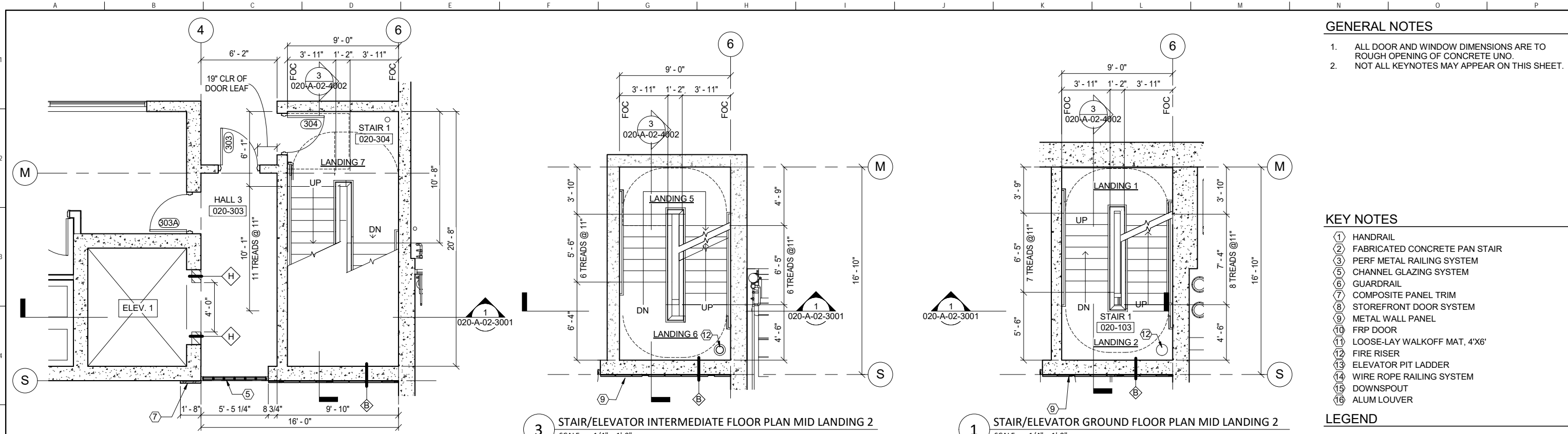
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-02-3001</b>	DRAWING / FILE NO. <b>WW14788</b>
REVISION NO.	<b>0</b>

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10/31/2018



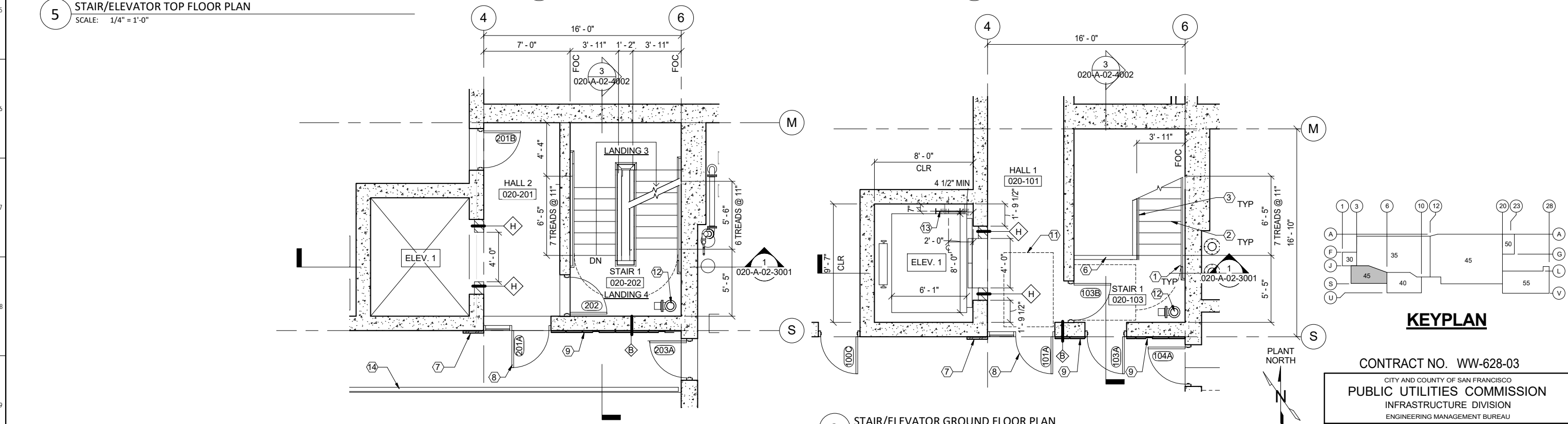
**GENERAL NOTES**

1. ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF CONCRETE UNO.
2. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.

**KEY NOTES**

- 1 HANDRAIL
- 2 FABRICATED CONCRETE PAN STAIR
- 3 PERF METAL RAILING SYSTEM
- 5 CHANNEL GLAZING SYSTEM
- 6 GUARDRAIL
- 7 COMPOSITE PANEL TRIM
- 8 STOREFRONT DOOR SYSTEM
- 9 METAL WALL PANEL
- 10 FRP DOOR
- 11 LOOSE-LAY WALKOFF MAT, 4'X6'
- 12 FIRE RISER
- 13 ELEVATOR PIT LADDER
- 14 WIRE ROPE RAILING SYSTEM
- 15 DOWNSPOUT
- 16 ALUM LOUVER

**LEGEND**



CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020 HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40) ENLARGED STAIR 1 PLANS	
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-02-4001</b>	DRAWING / FILE NO. <b>WW14789</b>
REVISIONS	REVISION NO. <b>0</b>

**carollo**

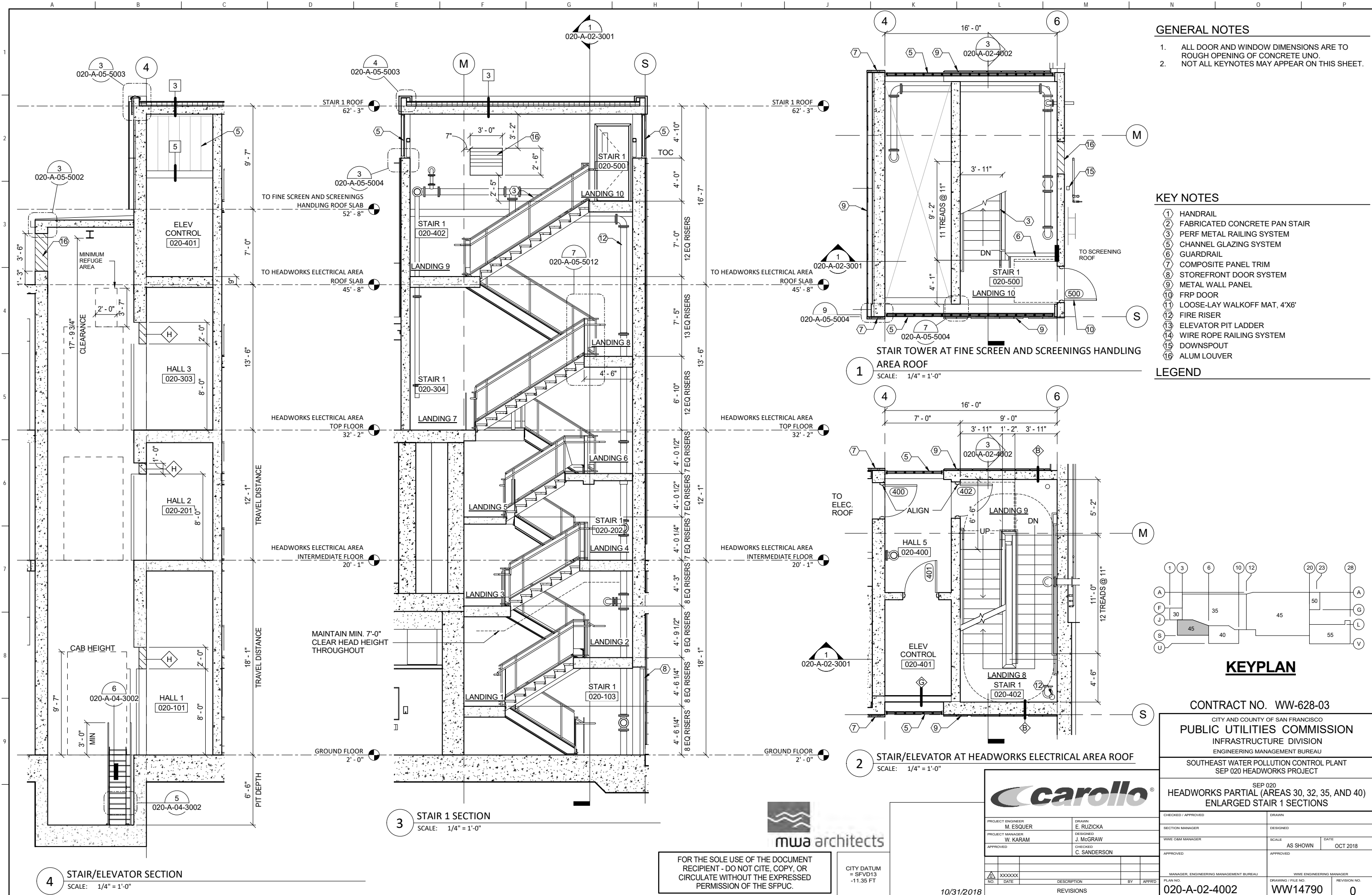
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	

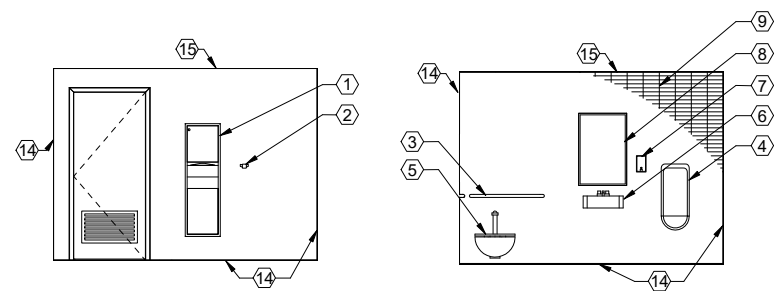


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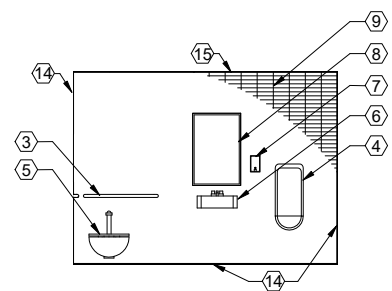
CITY DATUM = SFVD13  
-11.35 FT

10/31/2018

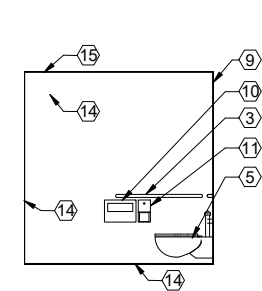




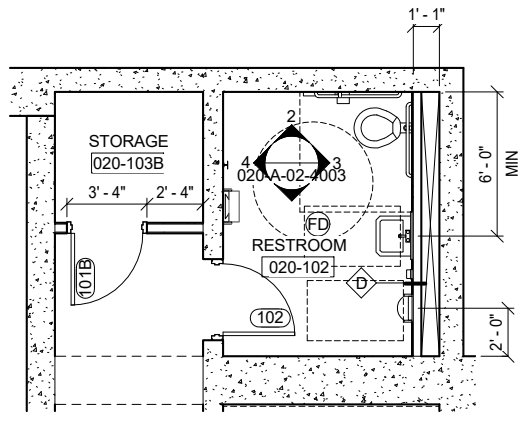
**4 RESTROOM - WEST**  
SCALE: 1/4" = 1'-0"



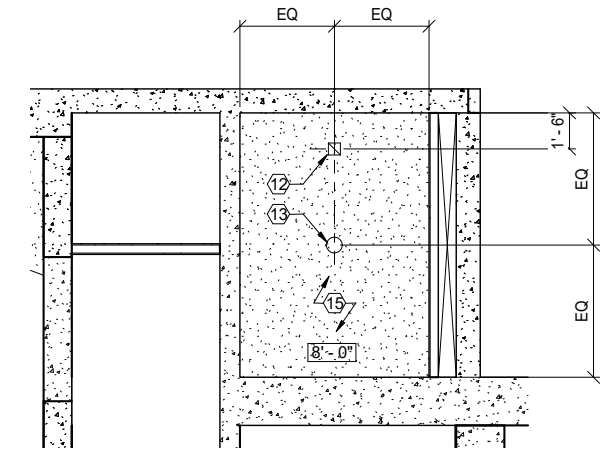
**3 RESTROOM - EAST**  
SCALE: 1/4" = 1'-0"



**2 RESTROOM - NORTH**  
SCALE: 1/4" = 1'-0"



**1 ENLARGED RESTROOM PLAN**  
SCALE: 1/4" = 1'-0"



**5 RESTROOM RCP**  
SCALE: 1/4" = 1'-0"

**SIGN NOTES FOR LIGHT OR DARK COLORED DOORS:**

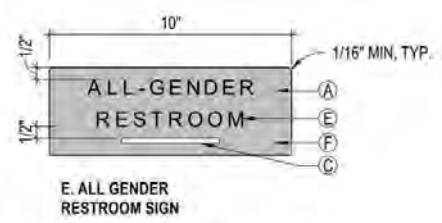
- A. TRIANGULAR SIGN MATERIAL SHALL BE MAX 1/4" THICK WITH POLISHED AND EASED EDGES. ADHERE SIGN TO DOOR WITH NON-STAINING SILICONE SEALANT AND FOAM TAPE WITHOUT ANY MECHANICAL FASTENERS, UON. SEE SIGNAGE SCHEDULE FOR MATERIALS.
- B. CIRCULAR SIGN MATERIAL SHALL BE MAX 1/4" THICK WITH POLISHED AND EASED EDGES. ADHERE SIGN TO DOOR WITH NON-STAINING SILICONE SEALANT AND FOAM TAPE WITHOUT ANY MECHANICAL FASTENERS, UON. SEE SIGNAGE SCHEDULE FOR MATERIALS.
- C. UON, BACKGROUND COLOR. SIGN SHALL BE LIGHT ON DARK OR DARK ON LIGHT BACKGROUND COLOR WITH ADJACENT DOOR & SIGN SURFACES NORMALLY 70% LRV. ALL SIGNAGE FINISHES SHALL BE NON-GLARE MATTE OR EGGSHELL.
- D. ALL - GENDER SIGN SHALL BE A 1/4" THICK TRIANGULAR SHEET (A) SECURED ON TOP OF CIRCULAR SHEET (B) WITH DOUBLE-SIDED SHEET TAPE. UON, COLOR SHALL BE LIGHT ON DARK OR DARK ON LIGHT AND THE CIRCLE SHALL CONTRAST PER NOTE C.
- E. PROVIDE ISA SYMBOL ON SIGNS AT ACCESSIBLE ALL-GENDER TOILET ROOMS.



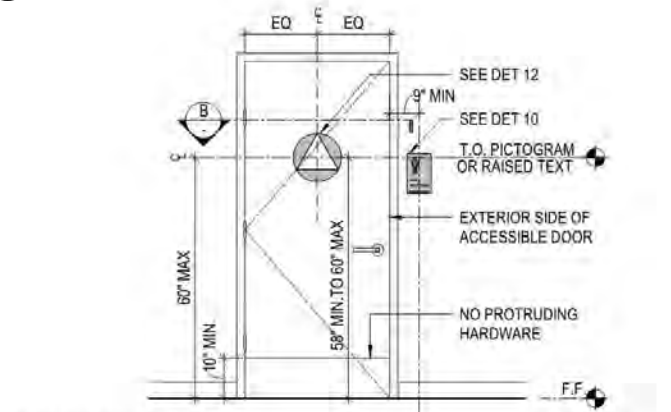
**6 RESTROOM DOOR GEOMETRIC SYMBOL**  
SCALE: 12" = 1'-0"

**ACCESSIBLE RESTROOM SIGN NOTES:**

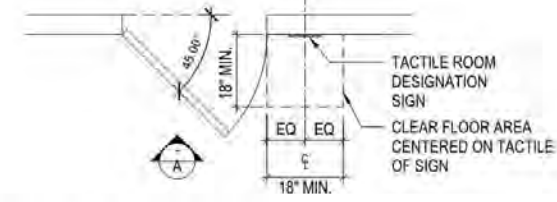
- A. LOCATE SIGN AT TOILET ENTRANCES, BATHING FACILITIES, AND WHERE SHOWN IN THE DRAWINGS OR DETAILS WHERE THE ENTRANCE IS A DOOR, IT SHALL BE MOUNTED ON THE DOOR, CENTERED HORIZONTALLY AND 60" AFF TO CENTERLINE OF THE SIGN.
- B. CHARACTERS
  - I. CHARACTER SHALL BE RAISED 1/32" MIN ABOVE THE BACKGROUND. SIGN PANEL COLOR SHALL CONTRAST WITH ITS BACKGROUND, LIGHT ON DARK OR DARK ON LIGHT, NOMINALLY 70% LRV.
  - II. CHARACTERS SHALL BE UPPER CASE, SAN SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.
  - III. CHARACTER PROPORTIONS, CHARACTER HEIGHT, STROKE, THICKNESS, CHARACTER SPACING AND LINE SPACING SHALL COMPLY WITH CBC 11B-703.2 RAISED CHARACTERS REQUIREMENTS.
  - IV. TEXT FORMAT SHALL BE HORIZONTAL.
- C. BRAILLE
  - I. BRAILLE SHALL BE CONTRACTED GRADE 2 BRAILLE TRANSLATION OF THE TEXT AND SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN HORIZONTAL FORMAT. CENTER JUSTIFY BRAILLE ON SIGN, UON.
  - II. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. SPACING SHALL CONFORM TO CBC 11B-703.3.
- D. MATERIALS
  - I. SOLID CORE MELAMINE, 1/4" THICK EDGES SHALL BE EASED OR ROUNDED AT 1/16" MIN OR CHAMFERED AT 1/8" MAX. TRIANGLE SYMBOL VERTICES SHALL BE RADIUSED BETWEEN 1/8" MIN AND 1/4" MAX.
- E. FINISHES
  - I. NON-GLARE, MATTE OR EGGSHELL, UON
  - II. THE COLOR OF THE SIGN SHALL CONTRAST W/ THE BACKGROUND LIGHT ON DARK OR DARK ON LIGHT, NOMINALLY 70% LIGHT "REFLECTANCE" VALUE (LRV)
- F. MOUNTING
  - I. INTERIOR MOUNTED SIGNS SHALL BE ADHERED TO DOOR OR WALL WITH NON-STAINING SILICONE SEALANT AND FOAM TAPE WITHOUT MECHANICAL FASTENERS, UON. EXTERIOR MOUNTED SIGNS SHALL BE MECHANICALLY FASTENED AND WITH SILICONE ADHESIVE. FASTENERS SHALL BE STAINLESS STEEL AND TAMPER PROOF.



**8 RESTROOM SIGN**  
SCALE: 12" = 1'-0"



**A. DOOR ELEVATION N.T.S.**



**B. CLEAR FLOOR AREA REQUIREMENTS - PLAN - N.T.S.**

**SIGN MOUNTING LOCATIONS (IN ORDER OF PREFERENCE):**

1. WALL MOUNT ADJACENT TO LATCH SIDE OF DOOR.
2. INACTIVE LEAF OF A DOUBLE DOOR.
3. THE RIGHT DOOR OF A DOUBLE DOOR WITH 2 ACTIVE LEAFS.
4. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR OR RIGHT SIDE OF A DOUBLE DOOR, SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL - COORDINATE LOCATION WITH CITY REPRESENTATIVE & ARCHITECT.

**7 TOILET AND BATHING ROOM ENTRANCE SIGNS**  
SCALE: 12" = 1'-0"

**SHEET GENERAL NOTES**

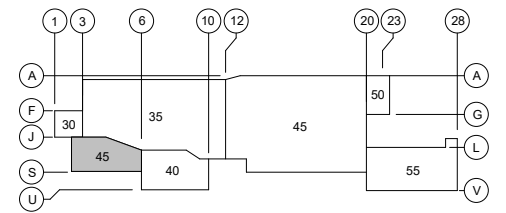
1. SEE 000-A-01-0002 FOR ADDITIONAL INFORMATION ON ACCESSIBLE ACCESSORY AND FIXTURE MOUNTING HEIGHTS AND CLEAR FLOOR SPACE REQUIREMENTS.
2. SEE DOOR SCHEDULE SHEET 020-A-05-6002.

**KEY NOTES**

- ① SURFACE MOUNTED PAPER TOWEL DISPENSER/ WASTE RECEPTACLE
- ② COAT HOOK
- ③ GRAB BAR
- ④ URINAL
- ⑤ TOILET
- ⑥ LAVATORY
- ⑦ SURFACE MOUNTED SOAP DISPENSER
- ⑧ MIRROR
- ⑨ FULL HEIGHT WALL TILE
- ⑩ SURFACE MOUNTED TOILET SEAT COVER DISPENSER
- ⑪ SURFACE MOUNTED TOILET TISSUE DISPENSER
- ⑫ EXHAUST DIFFUSER
- ⑬ LIGHT FIXTURE
- ⑭ SEALED CONCRETE
- ⑮ GYPSUM BOARD CEILING, PAINT FINISH

**LEGEND**

- FD FLOOR DRAIN



**KEYPLAN**

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 30, 32, 35, AND 40)  
ENLARGED PLANS AND INTERIOR ELEVATIONS - 1**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
	DATE OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-02-4003	DRAWING / FILE NO. WW14791
	REVISION NO. 0

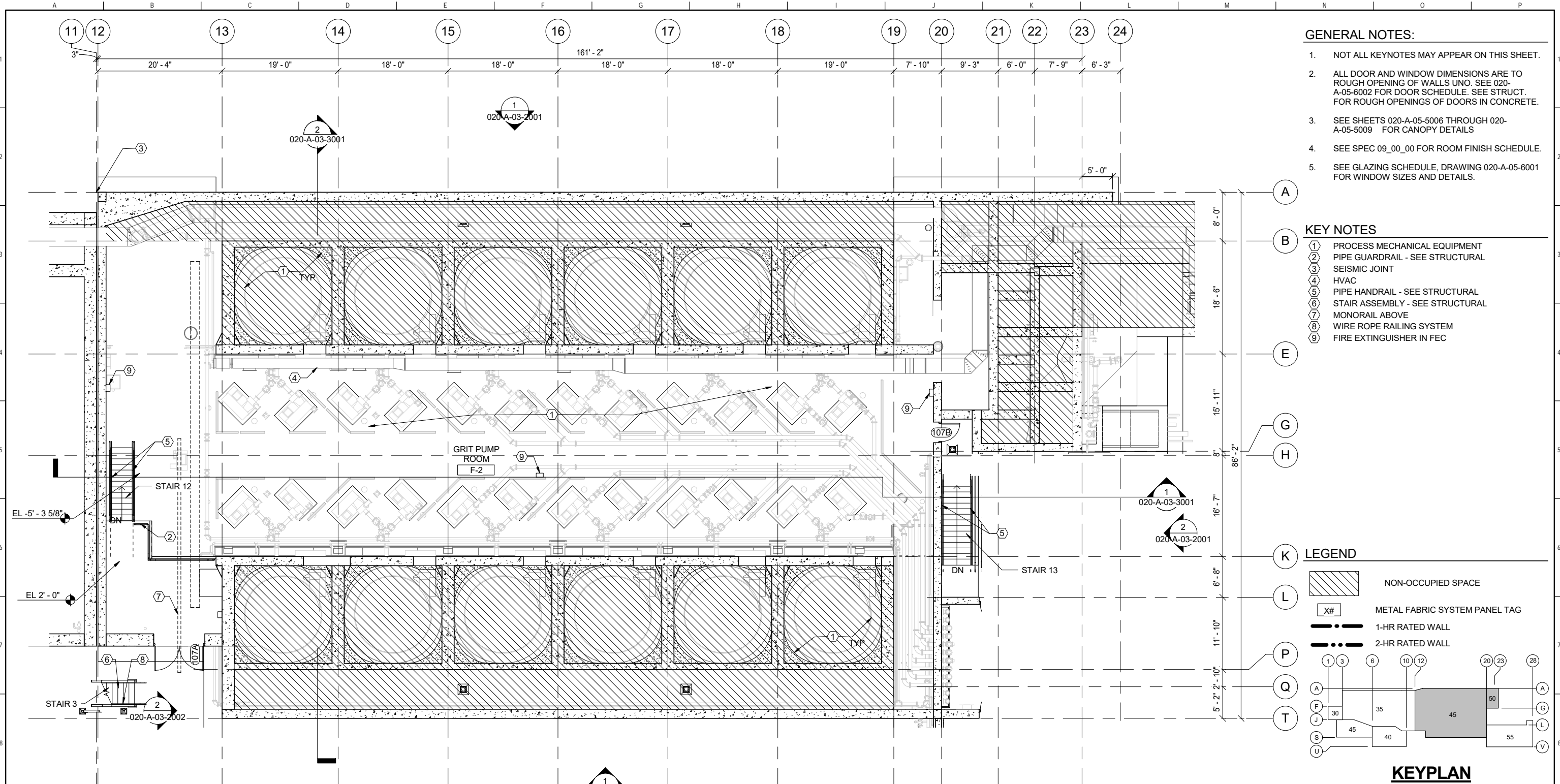
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
DESIGNED J. MCGRAW	CHECKED C. SANDERSON
APPROVED	
DATE	DESCRIPTION
	BY
	APPRD
10/31/2018	



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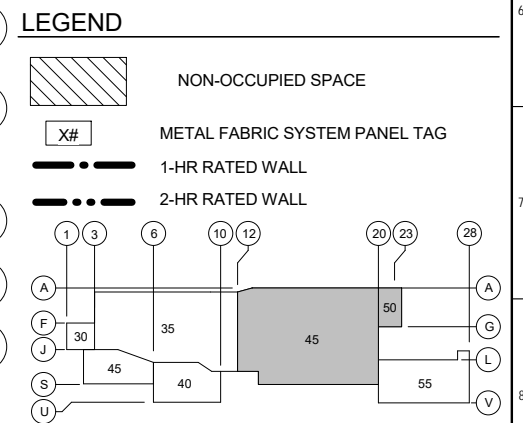
CITY DATUM = SFVD13  
-11.35 FT





- GENERAL NOTES:**
- NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
  - ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
  - SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS.
  - SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
  - SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

- KEY NOTES**
- PROCESS MECHANICAL EQUIPMENT
  - PIPE GUARDRAIL - SEE STRUCTURAL
  - SEISMIC JOINT
  - HVAC
  - PIPE HANDRAIL - SEE STRUCTURAL
  - STAIR ASSEMBLY - SEE STRUCTURAL
  - MONORAIL ABOVE
  - WIRE ROPE RAILING SYSTEM
  - FIRE EXTINGUISHER IN FEC



**KEYPLAN**

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 45 AND 50) BOTTOM FLOOR PLAN**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018

MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.
020-A-03-1001	WW14792
REVISION NO.	0

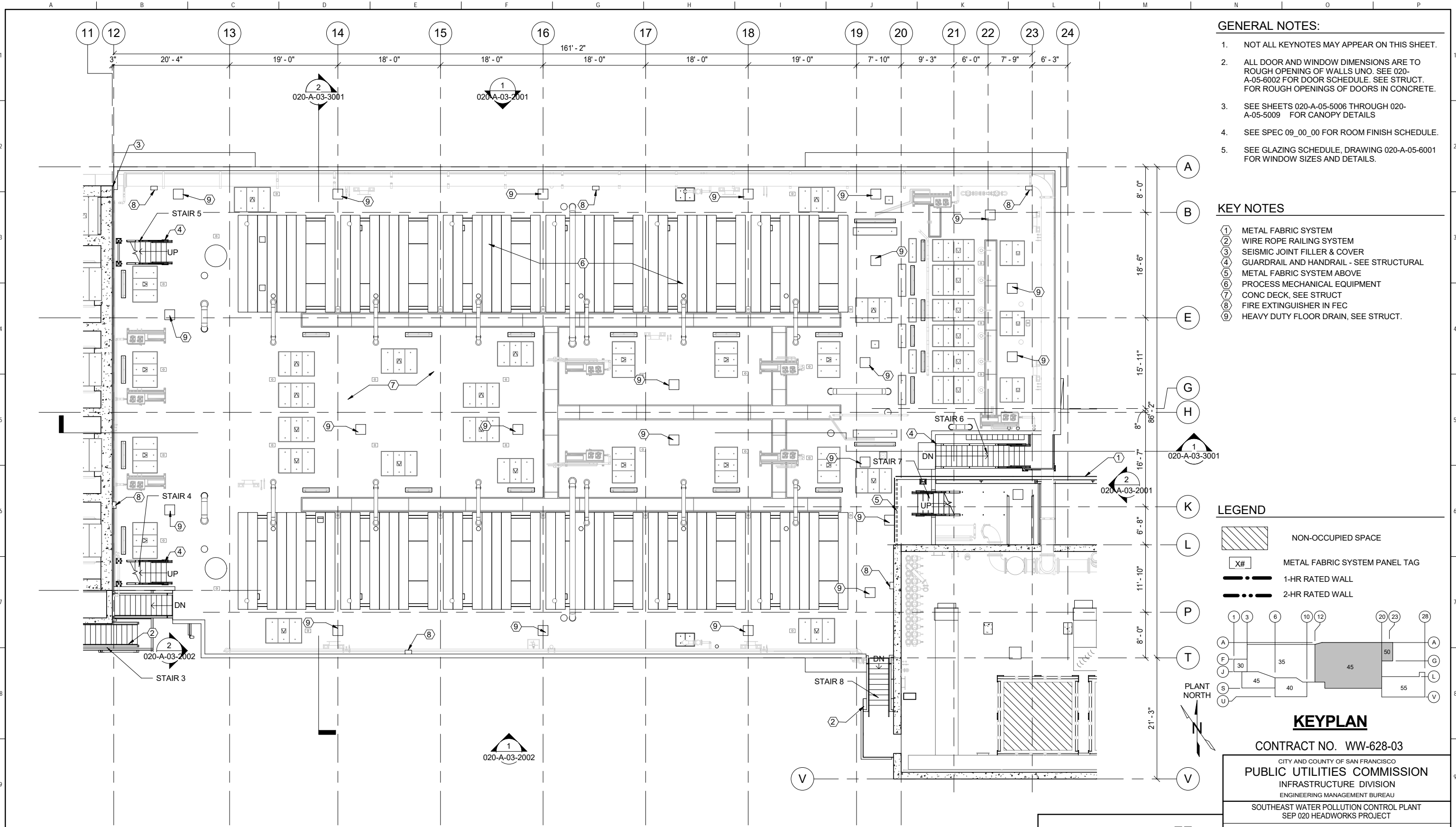
**1 GRIT TANK AREA - BOTTOM FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"



FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.

CITY DATUM = SFVD13  
 -11.35 FT

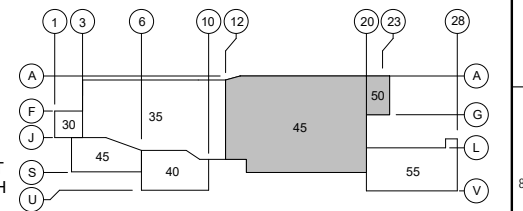
10/31/2018



- GENERAL NOTES:**
- NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
  - ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
  - SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS
  - SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
  - SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

- KEY NOTES**
- METAL FABRIC SYSTEM
  - WIRE ROPE RAILING SYSTEM
  - SEISMIC JOINT FILLER & COVER
  - GUARDRAIL AND HANDRAIL - SEE STRUCTURAL
  - METAL FABRIC SYSTEM ABOVE
  - PROCESS MECHANICAL EQUIPMENT
  - CONC DECK, SEE STRUCT
  - FIRE EXTINGUISHER IN FEC
  - HEAVY DUTY FLOOR DRAIN, SEE STRUCT.

- LEGEND**
- NON-OCCUPIED SPACE
  - METAL FABRIC SYSTEM PANEL TAG
  - 1-HR RATED WALL
  - 2-HR RATED WALL



**KEYPLAN**

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 45 AND 50) TOP PLAN**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
APPROVED	AS SHOWN	OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-03-1002	WW14793	0

PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	



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CITY DATUM = SFVD13  
 -11.35 FT

10/31/2018

**1 GRIT TANK AREA - TOP PLAN**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

1. ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF CONCRETE UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE.
2. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
3. SEE GLAZING SCHEDULE SHEET 020-A-05-6001.

**KEY NOTES**

- 1 CONCRETE REVEAL
- 2 METAL FABRIC SYSTEM
- 3 METAL WALL PANEL
- 4 CHANNEL GLAZING SYSTEM
- 5 SHEET METAL COPING
- 6 COMPOSITE PANEL TRIM
- 7 METAL FRAMED CANOPY
- 8 SCUPPER WITH DOWNSPOUT
- 9 WIRE ROPE RAILING SYSTEM
- 10 PROCESS MECHANICAL EQUIPMENT
- 11 STOREFRONT WINDOW SYSTEM
- 12 OVERHEAD COILING DOOR
- 13 PIPE GUARDRAIL AND HANDRAIL
- 14 FRP DOOR
- 15 METAL COMPOSITE PANEL IN CONCRETE RECESS
- 16 DOOR ARMOR
- 17 STOREFRONT DOOR/WINDOW SYSTEM
- 18 MONORAIL, SEE STRUCTURAL
- 19 STAIR ASSEMBLY, SEE STRUCTURAL
- 20 PERIMETER FENCING, SEE LANDSCAPE
- 21 CONCRETE WALL, SEE SPEC 03 35 31 FOR FINISH
- 22 AIR CURTAIN, SEE HVAC
- 23 METAL FABRIC SUPPORT
- 24 METAL FABRIC INTERMEDIATE LINK
- 25 6" x 13" GASKETED OPENING AT TOP OF DOOR FOR MONORAIL
- 26 DOWNSPOUT
- 27 REMOVABLE RAILING SECTION
- 28 CURTAIN WALL WINDOW SYSTEM
- 29 PIPE PENETRATION THROUGH METAL FABRIC SYSTEM - COORDINATE OPENING WITH OTHER DISCIPLINES
- 30 EXTRUDED ALUMINUM SIGNAGE, SEE SPEC
- 31 CONCRETE W/ GRAFITTI RESISTANT COATING
- 32 FRP LOUVER
- 33 WALL SCONCE, SEE ELEC. MOUNT CENTERED OVER OPENING UNLESS NOTED

**LEGEND**

- CHANNEL GLAZING SYSTEM
- METAL WALL PANEL
- X# METAL FABRIC SYSTEM PANEL TAG

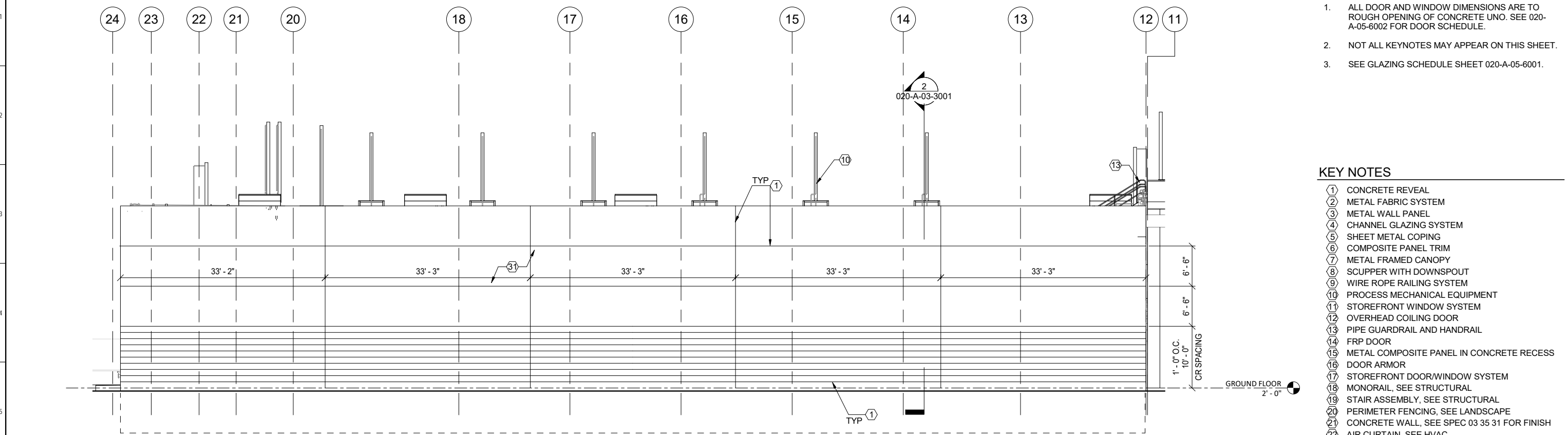
**CONTRACT NO. WW-628-03**

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

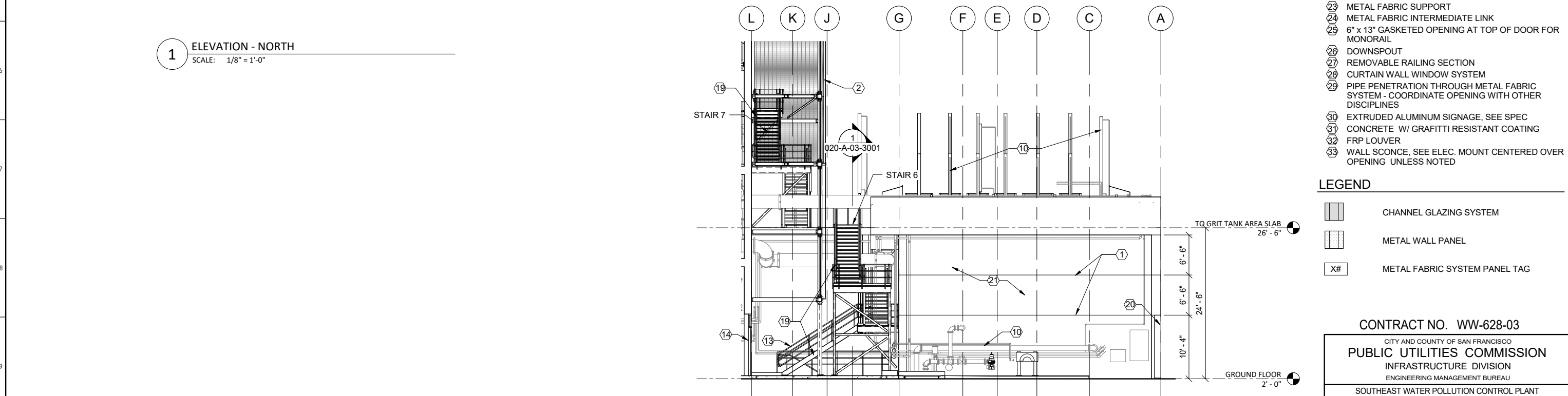
SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 45 AND 50)**  
 ELEVATIONS - 1

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-03-2001	WW14794	0



**1** ELEVATION - NORTH  
 SCALE: 1/8" = 1'-0"



**2** ELEVATION - EAST  
 SCALE: 1/8" = 1'-0"

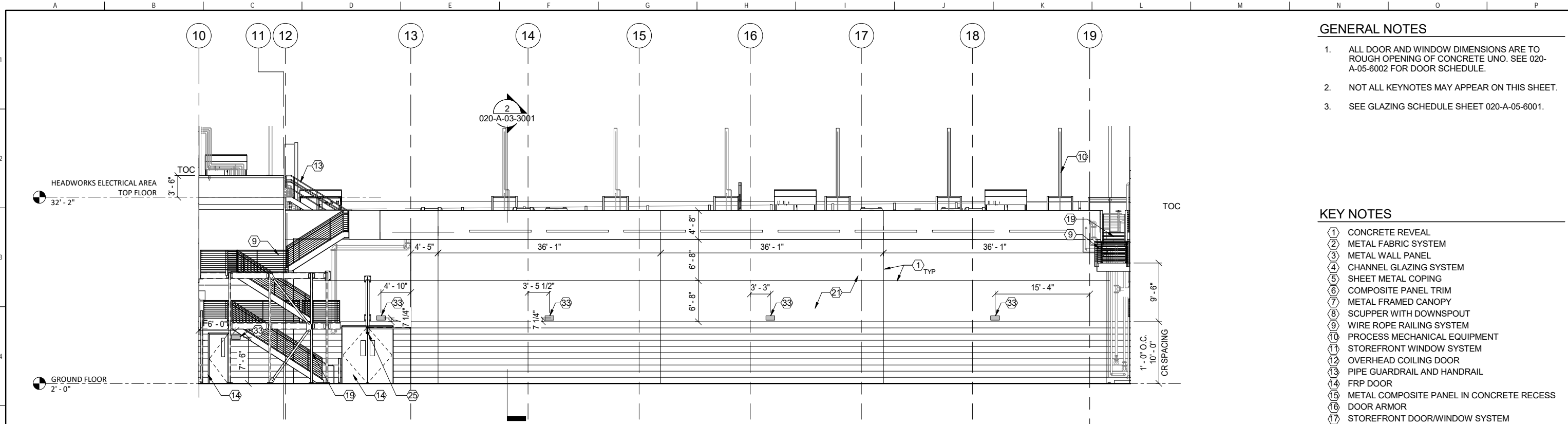
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CITY DATUM = SFVD13  
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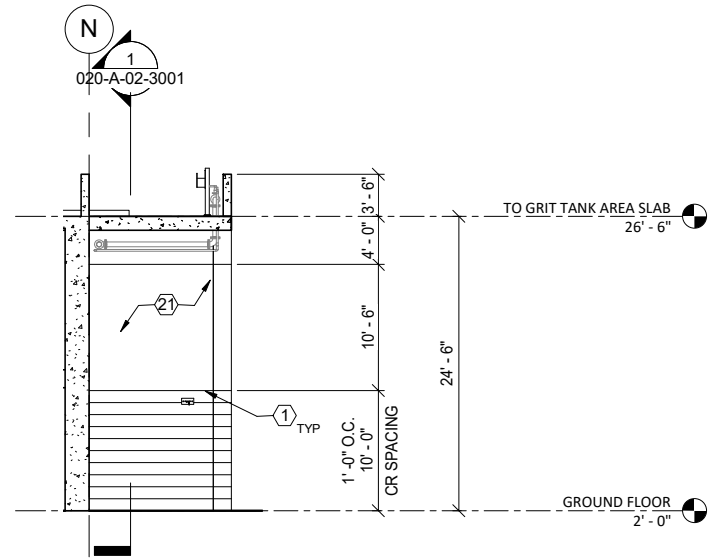


PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

10/31/2018



**1** ELEVATION - SOUTH  
SCALE: 1/8" = 1'-0"



**2** ELEVATION - WEST  
SCALE: 1/8" = 1'-0"

- GENERAL NOTES**
1. ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF CONCRETE UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE.
  2. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
  3. SEE GLAZING SCHEDULE SHEET 020-A-05-6001.

- KEY NOTES**
- 1 CONCRETE REVEAL
  - 2 METAL FABRIC SYSTEM
  - 3 METAL WALL PANEL
  - 4 CHANNEL GLAZING SYSTEM
  - 5 SHEET METAL COPING
  - 6 COMPOSITE PANEL TRIM
  - 7 METAL FRAMED CANOPY
  - 8 SCUPPER WITH DOWNSPOUT
  - 9 WIRE ROPE RAILING SYSTEM
  - 10 PROCESS MECHANICAL EQUIPMENT
  - 11 STOREFRONT WINDOW SYSTEM
  - 12 OVERHEAD COILING DOOR
  - 13 PIPE GUARDRAIL AND HANDRAIL
  - 14 FRP DOOR
  - 15 METAL COMPOSITE PANEL IN CONCRETE RECESS
  - 16 DOOR ARMOR
  - 17 STOREFRONT DOOR/WINDOW SYSTEM
  - 18 MONORAIL, SEE STRUCTURAL
  - 19 STAIR ASSEMBLY, SEE STRUCTURAL
  - 20 PERIMETER FENCING, SEE LANDSCAPE
  - 21 CONCRETE WALL, SEE SPEC 03 35 31 FOR FINISH
  - 22 AIR CURTAIN, SEE HVAC
  - 23 METAL FABRIC SUPPORT
  - 24 METAL FABRIC INTERMEDIATE LINK
  - 25 6" x 13" GASKETED OPENING AT TOP OF DOOR FOR MONORAIL
  - 26 DOWNSPOUT
  - 27 REMOVABLE RAILING SECTION
  - 28 CURTAIN WALL WINDOW SYSTEM
  - 29 PIPE PENETRATION THROUGH METAL FABRIC SYSTEM - COORDINATE OPENING WITH OTHER DISCIPLINES
  - 30 EXTRUDED ALUMINUM SIGNAGE, SEE SPEC
  - 31 CONCRETE W/ GRAFFITI RESISTANT COATING
  - 32 FRP LOUVER
  - 33 WALL SCONCE, SEE ELEC. MOUNT CENTERED OVER OPENING UNLESS NOTED

- LEGEND**
- [Channel Glazing System Symbol] CHANNEL GLAZING SYSTEM
  - [Metal Wall Panel Symbol] METAL WALL PANEL
  - [X#] METAL FABRIC SYSTEM PANEL TAG

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT  
SEP 020  
HEADWORKS PARTIAL (AREAS 45 AND 50)  
ELEVATIONS - 2



PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON
DATE	DATE
DESCRIPTION	BY
REVISIONS	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-03-2002	DRAWING / FILE NO. WW14795
REVISION NO. 0	

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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018


**SHEET GENERAL NOTES**

1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.

**KEY NOTES**

- ① PROCESS MECHANICAL EQUIPMENT
- ② GUARDRAIL AND HANDRAIL
- ③ STAIR ASSEMBLY - SEE STRUCTURAL

**LEGEND**

 NON-OCCUPIED SPACE


**CONTRACT NO. WW-628-03**

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREAS 45 AND 50)  
 SECTIONS**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU		WWE ENGINEERING MANAGER
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
<b>020-A-03-3001</b>	<b>WW14796</b>	<b>0</b>

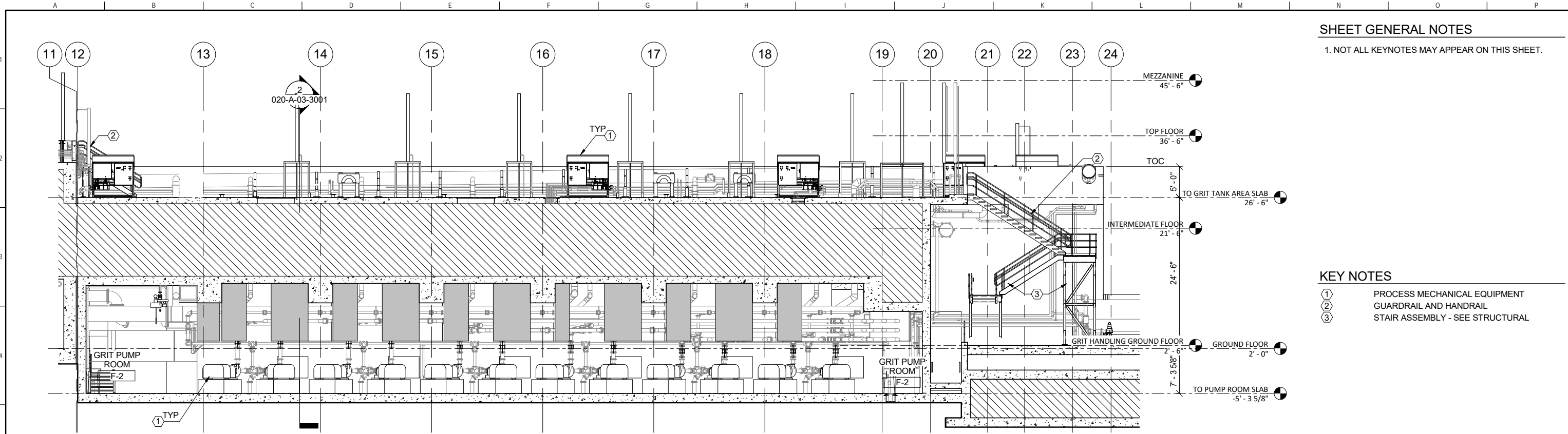
	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
NO.	DATE
DESCRIPTION	BY
REVISIONS	



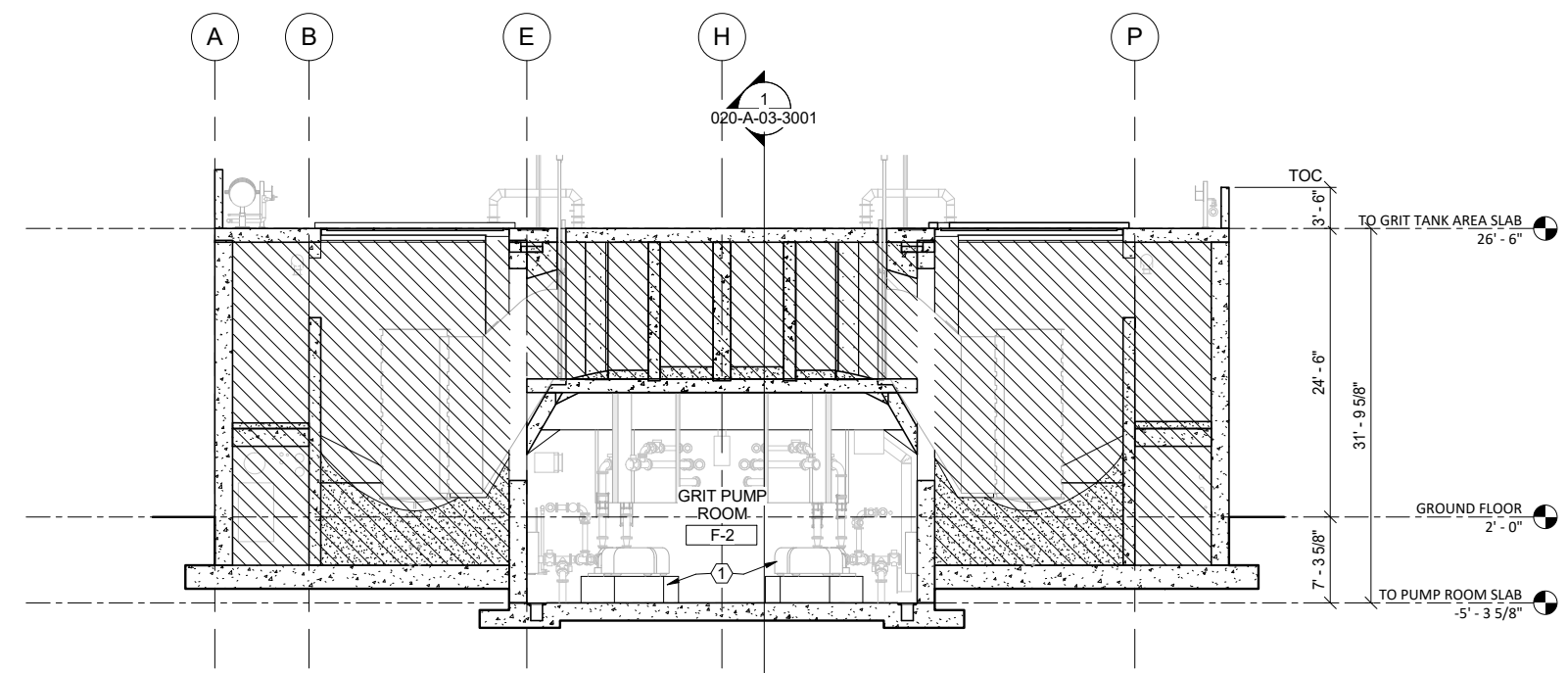
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CITY DATUM  
 = SFVD13  
 -11.35 FT

10/31/2018



**1 GRIT TANK AREA - 1**  
 SCALE: 1/8" = 1'-0"



**2 GRIT TANK AREA - 2**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES:**

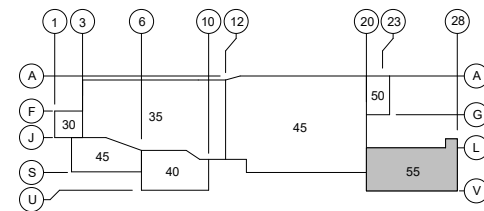
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3. SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS
4. SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
5. SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

**KEY NOTES**

- 1 OVERHEAD COILING DOOR
- 2 TRENCH DRAIN
- 3 METAL FRAMED CANOPY ABOVE
- 4 MEZZANINE ABOVE
- 5 DOWNSPOUT
- 6 STAIR ASSEMBLY, SEE STRUCTURAL
- 7 PROCESS MECHANICAL EQUIPMENT
- 8 ELECTRICAL EQUIPMENT
- 9 FIRE EXTINGUISHER IN FEC

**LEGEND**

- NON-OCCUPIED SPACE
- METAL FABRIC SYSTEM PANEL TAG
- 1-HR RATED WALL
- 2-HR RATED WALL



**KEYPLAN**

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREA 55) GROUND FLOOR PLAN**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-04-1001	WW14797	0

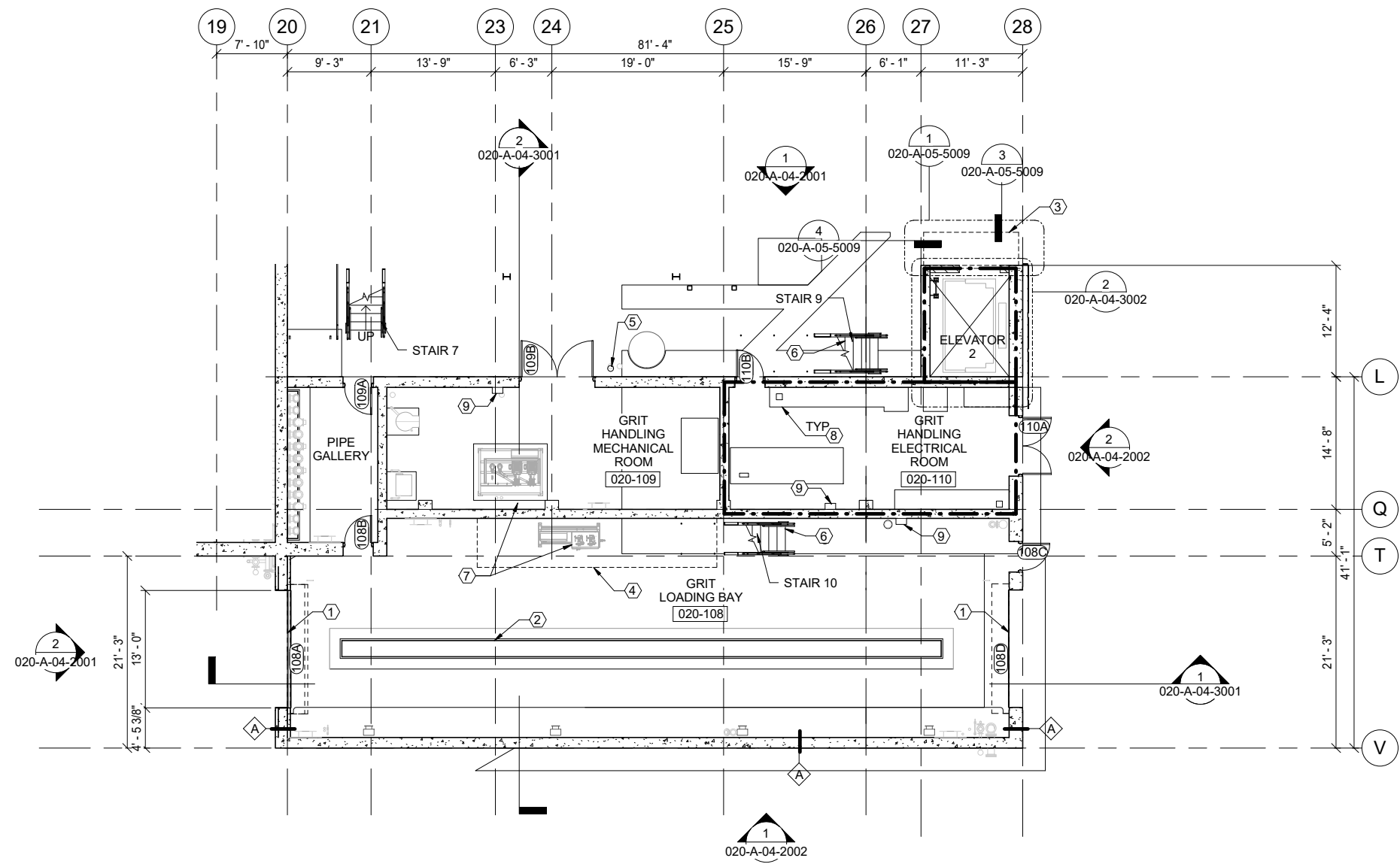
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON



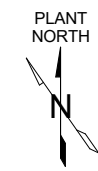
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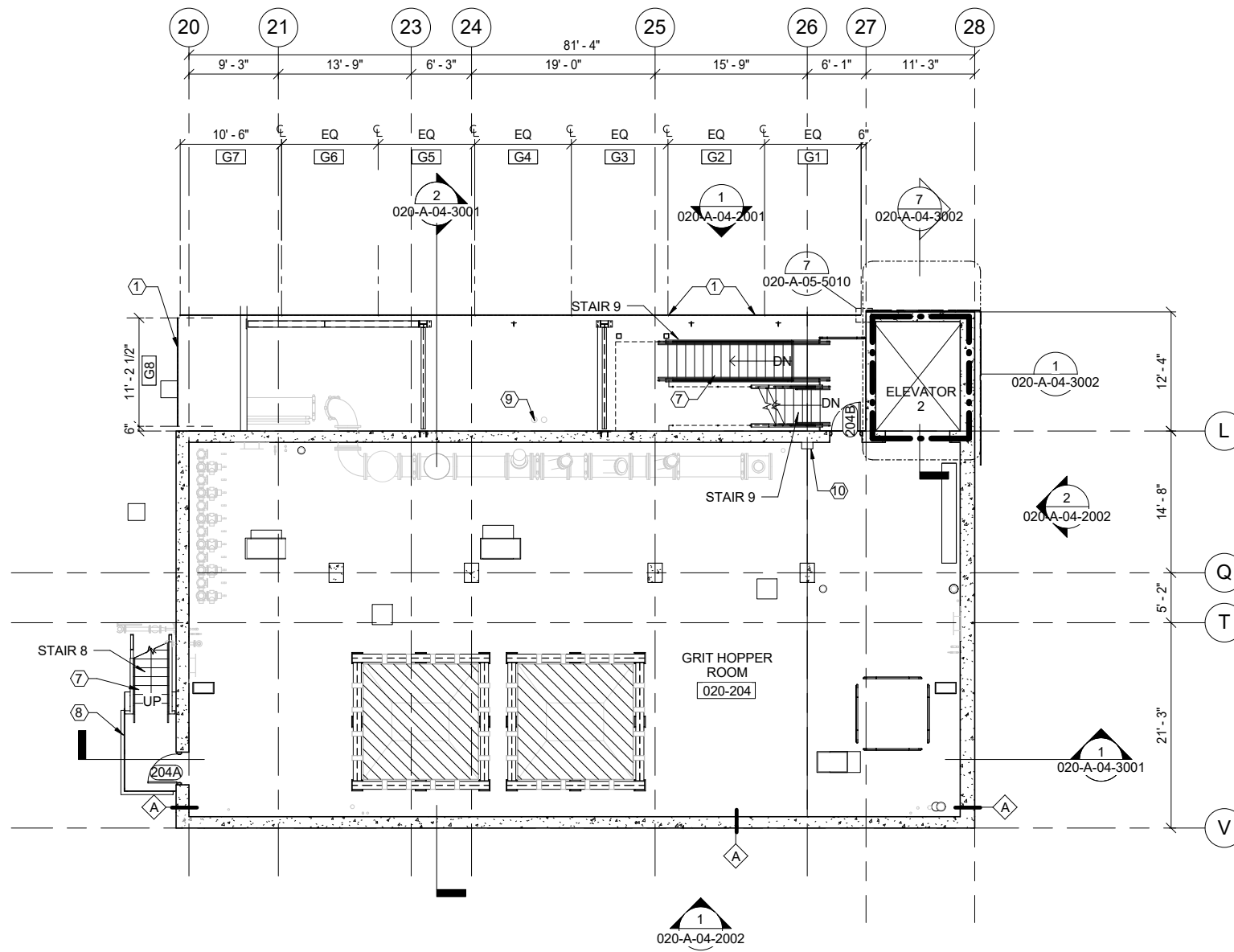
CITY DATUM = SFVD13  
 -11.35 FT

10/31/2018



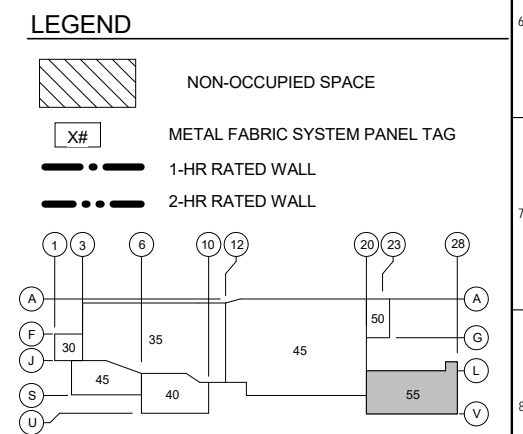
**1 GROUND FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"



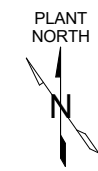


- GENERAL NOTES:**
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  - ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
  - SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS
  - SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
  - SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

- KEY NOTES**
- METAL FABRIC SYSTEM
  - CURTAINWALL WINDOW SYSTEM
  - GUARDRAIL
  - BRIDGE CRANE ABOVE
  - EDGE OF MEZZANINE PLATFORM ABOVE
  - PROCESS MECHANICAL EQUIPMENT
  - STAIR ASSEMBLY - SEE STRUCTURAL
  - WIRE ROPE RAILING SYSTEM
  - DOWNSPOUT
  - FIRE EXTINGUISHER IN FEC



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



CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREA 55) INTERMEDIATE FLOOR PLAN**

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DATE
DESCRIPTION	BY
REVISIONS	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-04-1002</b>	DRAWING / FILE NO. <b>WW14798</b>
REVISION NO. <b>0</b>	

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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018





**GENERAL NOTES:**

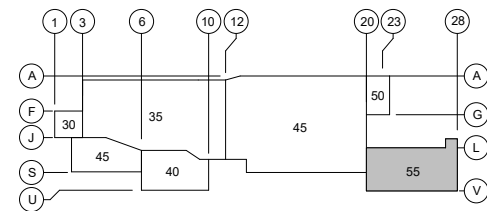
1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
2. ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
3. SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS
4. SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
5. SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

**KEY NOTES**

- ① METAL FABRIC SYSTEM
- ② CURTAINWALL WINDOW SYSTEM
- ③ GUARDRAIL
- ④ BRIDGE CRANE ABOVE
- ⑤ EDGE OF MEZZANINE PLATFORM ABOVE
- ⑥ PROCESS MECHANICAL EQUIPMENT
- ⑦ STAIR ASSEMBLY - SEE STRUCTURAL
- ⑧ WIRE ROPE RAILING SYSTEM
- ⑨ DOWNSPOUT
- ⑩ FIRE EXTINGUISHER IN FEC

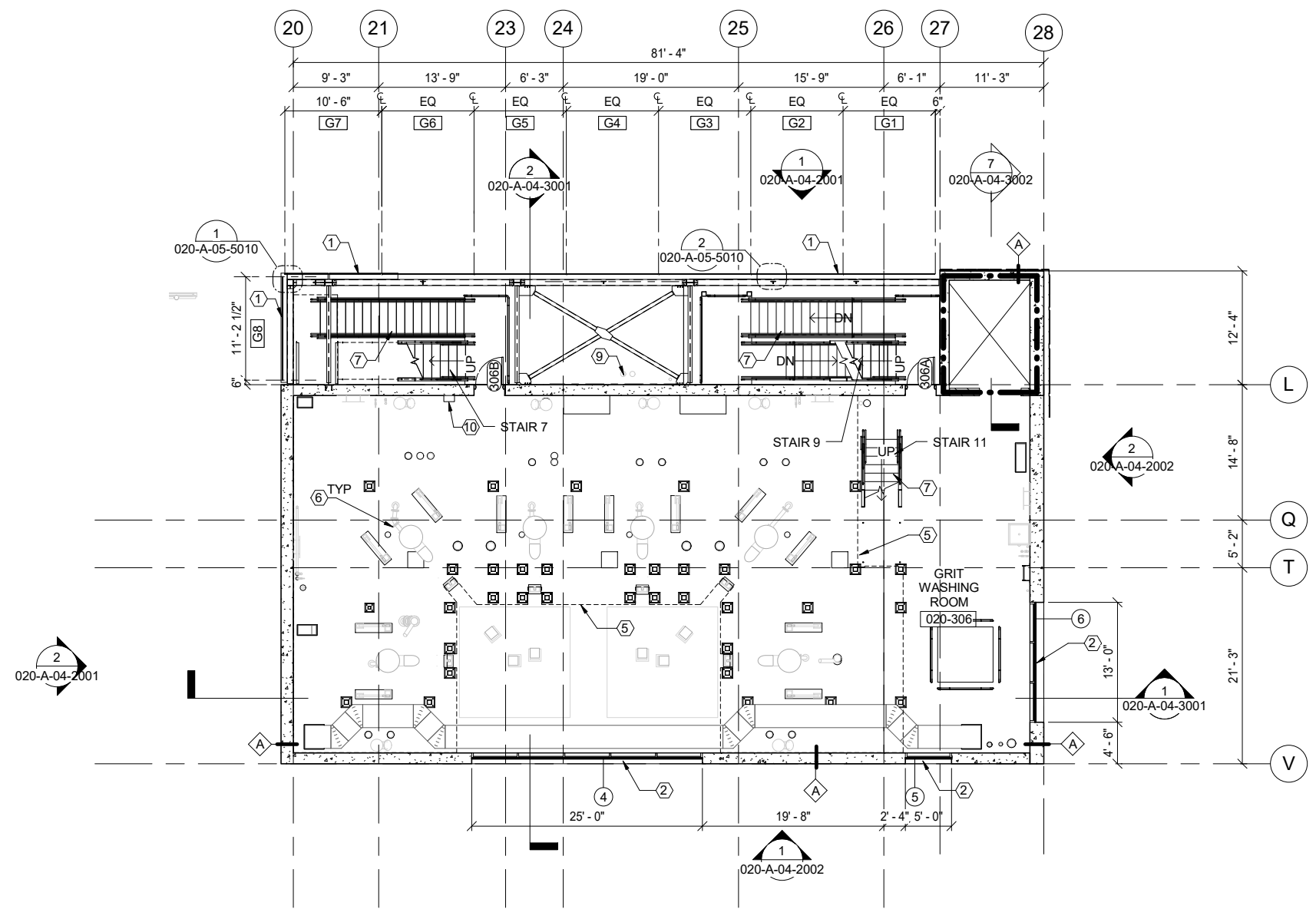
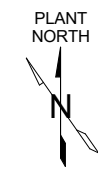
**LEGEND**

-  NON-OCCUPIED SPACE
-  METAL FABRIC SYSTEM PANEL TAG
-  1-HR RATED WALL
-  2-HR RATED WALL



**KEYPLAN**

CONTRACT NO. WW-628-03  
 CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT  
 SEP 020  
**HEADWORKS PARTIAL (AREA 55) TOP FLOOR PLAN**



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

**carollo**

PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON



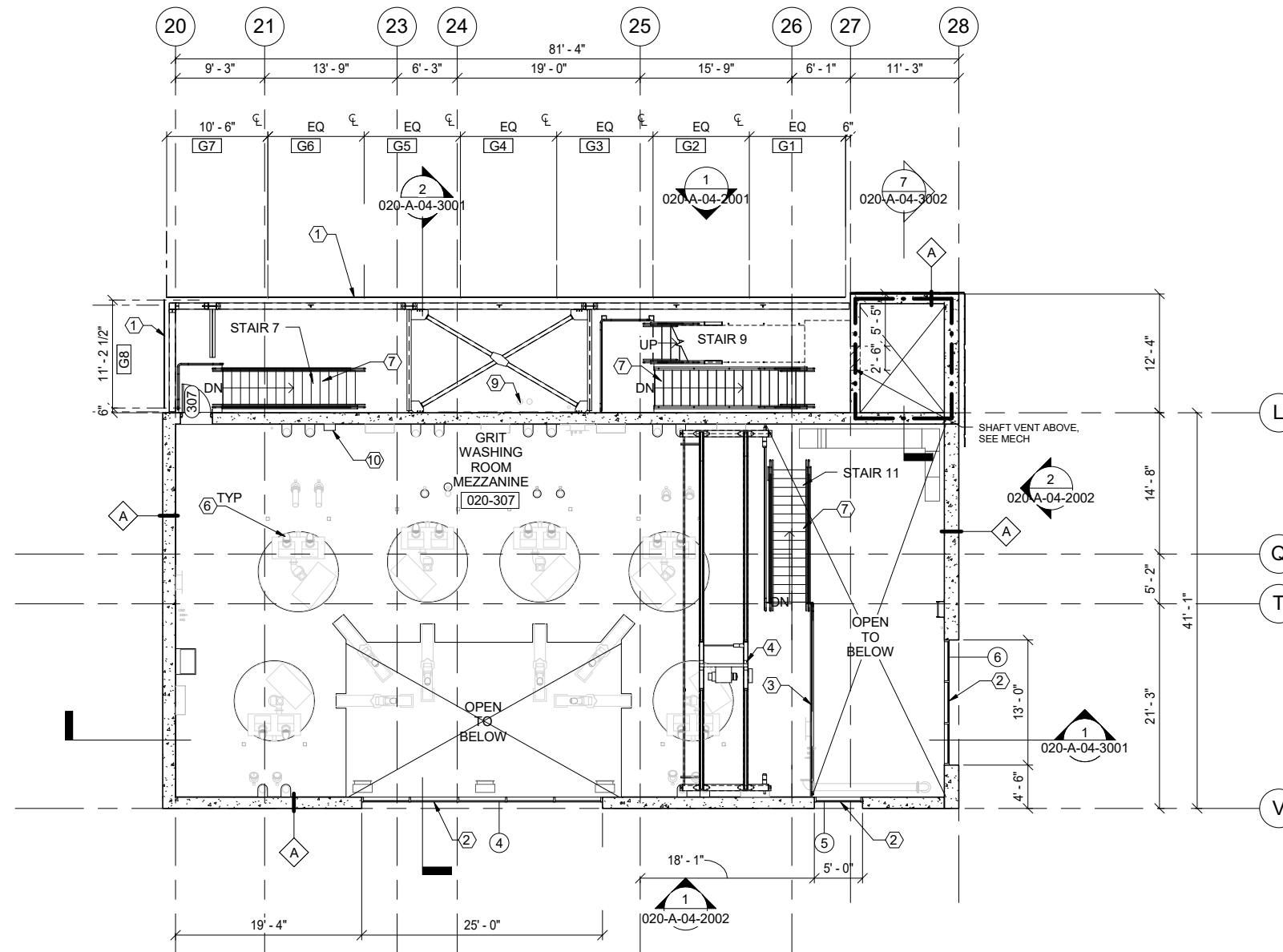
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CITY DATUM = SFVD13  
 -11.35 FT

10/31/2018

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-04-1003</b>	DRAWING / FILE NO. <b>WW14799</b>
REVISIONS	REVISION NO. <b>0</b>

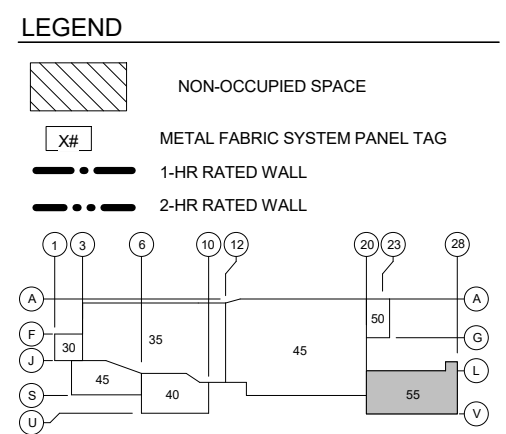




**1 MEZZANINE PLAN**  
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
  2. ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF WALLS UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE. SEE STRUCT. FOR ROUGH OPENINGS OF DOORS IN CONCRETE.
  3. SEE SHEETS 020-A-05-5006 THROUGH 020-A-05-5009 FOR CANOPY DETAILS.
  4. SEE SPEC 09\_00\_00 FOR ROOM FINISH SCHEDULE.
  5. SEE GLAZING SCHEDULE, DRAWING 020-A-05-6001 FOR WINDOW SIZES AND DETAILS.

- KEY NOTES**
- 1 METAL FABRIC SYSTEM
  - 2 CURTAINWALL WINDOW SYSTEM
  - 3 GUARDRAIL
  - 4 BRIDGE CRANE ABOVE
  - 5 EDGE OF MEZZANINE PLATFORM ABOVE
  - 6 PROCESS MECHANICAL EQUIPMENT
  - 7 STAIR ASSEMBLY - SEE STRUCTURAL
  - 8 WIRE ROPE RAILING SYSTEM
  - 9 DOWNSPOUT
  - 10 FIRE EXTINGUISHER IN FEC



**KEYPLAN**

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREA 55) MEZZANINE FLOOR PLAN**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-04-1004	DRAWING / FILE NO. WW14800
REVISION NO.	0

**carollo**

PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON



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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018

**GENERAL NOTES**

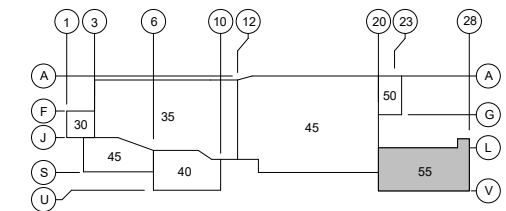
1. VERIFY LOCATIONS OF ALL ROOF OPENINGS AND PENETRATIONS.
2. VERIFY ALL EQUIPMENT & PV PANEL LOCATIONS
3. SEE GLAZING SCHEDULE, DRAWING 020-A005-6001, FOR SKYLIGHT TYPES AND SIZES.
4. ALL ROOF SLOPES TO BE MINIMUM 1/4":1'

**KEY NOTES**

- 1 ROOF DRAIN WITH OVERFLOW
- 2 CRICKET WITH TAPERED INSULATION
- 3 REMOVABLE SKYLIGHT SYSTEM
- 4 DUCTING ABOVE ROOF SURFACE
- 5 METAL FABRIC SYSTEM BELOW
- 6 PARAPET / GUARDRAIL
- 7 ELEVATOR CONTROL ROOM DOOR BELOW
- 8 ELEVATOR CONTROL ROOM BELOW
- 9 STAIR ASSEMBLY, SEE STRUCTURAL
- 10 SBS MODIFIED ROOF MEMBRANE OVER COVER BOARD OVER TAPERED INSULATION OVER FLAT METAL DECK
- 11 REMOVABLE DECK BELOW ROOFING - SEE STRUCTURAL
- 12 DOWNSPOUT
- 13 METAL PARAPET COPING
- 14 ALUM LOUVER

**LEGEND**

- 32" x 32" TEXTURED ROOFING CAP SHEET WALK SURFACE



**KEYPLAN**

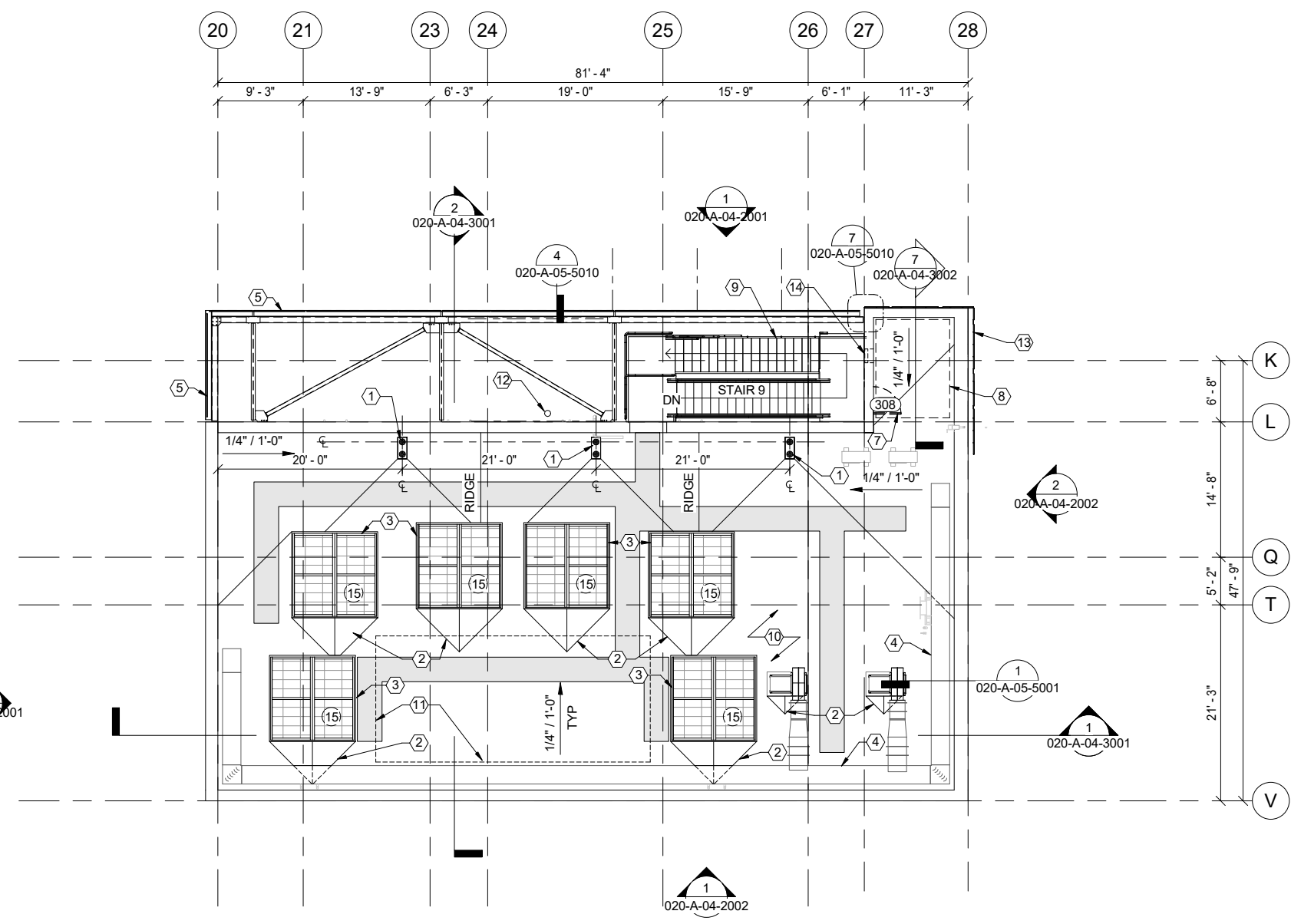
CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREA 55) ROOF PLAN**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-04-1005</b>	DRAWING / FILE NO. <b>WW14801</b>
REVISIONS	REVISION NO. <b>0</b>



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

**carollo**

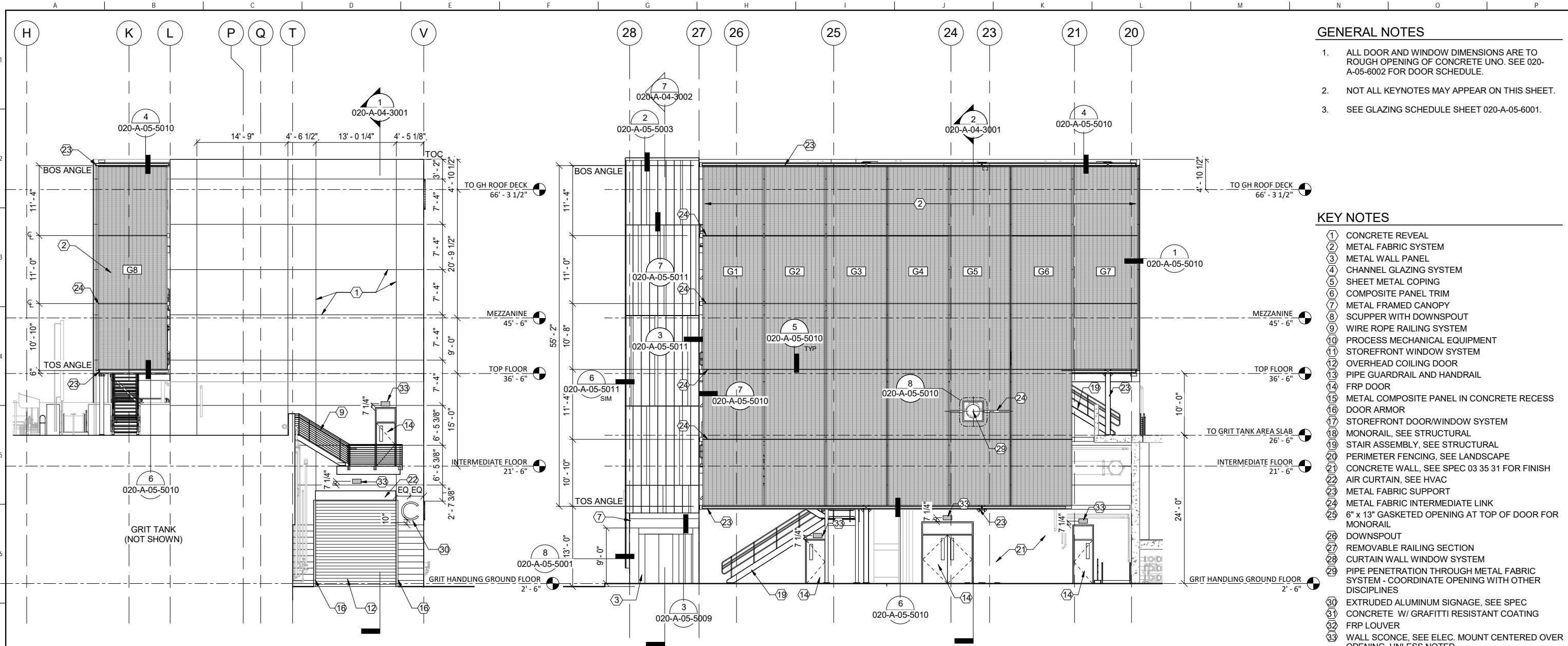
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON



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CITY DATUM = SFVD13  
 -11.35 FT

10/31/2018



- GENERAL NOTES**
- ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF CONCRETE UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE.
  - NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
  - SEE GLAZING SCHEDULE SHEET 020-A-05-6001.

- KEY NOTES**
- CONCRETE REVEAL
  - METAL FABRIC SYSTEM
  - METAL WALL PANEL
  - CHANNEL GLAZING SYSTEM
  - SHEET METAL COPING
  - COMPOSITE PANEL TRIM
  - METAL FRAMED CANOPY
  - SCUPPER WITH DOWNSPOUT
  - WIRE ROPE RAILING SYSTEM
  - PROCESS MECHANICAL EQUIPMENT
  - STOREFRONT WINDOW SYSTEM
  - OVERHEAD COILING DOOR
  - PIPE GUARDRAIL AND HANDRAIL
  - FRP DOOR
  - METAL COMPOSITE PANEL IN CONCRETE RECESS
  - DOOR ARMOR
  - STOREFRONT DOOR/WINDOW SYSTEM
  - MONORAIL, SEE STRUCTURAL
  - STAIR ASSEMBLY, SEE STRUCTURAL
  - PERIMETER FENCING, SEE LANDSCAPE
  - CONCRETE WALL, SEE SPEC 03 35 31 FOR FINISH
  - AIR CURTAIN, SEE HVAC
  - METAL FABRIC SUPPORT
  - METAL FABRIC INTERMEDIATE LINK
  - 6" x 13" GASKETED OPENING AT TOP OF DOOR FOR MONORAIL
  - DOWNSPOUT
  - REMOVABLE RAILING SECTION
  - CURTAIN WALL WINDOW SYSTEM
  - PIPE PENETRATION THROUGH METAL FABRIC SYSTEM - COORDINATE OPENING WITH OTHER DISCIPLINES
  - EXTRUDED ALUMINUM SIGNAGE, SEE SPEC
  - CONCRETE W/ GRAFITTI RESISTANT COATING
  - FRP LOUVER
  - WALL SCONCE, SEE ELEC. MOUNT CENTERED OVER OPENING UNLESS NOTED

- LEGEND**
- CHANNEL GLAZING SYSTEM
  - METAL WALL PANEL
  - METAL FABRIC SYSTEM PANEL TAG

**2 ELEVATION - WEST**  
SCALE: 1/8" = 1'-0"

**1 ELEVATION - NORTH**  
SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-628-03  
 CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT  
 SEP 020  
**HEADWORKS PARTIAL (AREA 55) ELEVATIONS - 1**

PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON
DATE	DATE
DESCRIPTION	BY
REVISIONS	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-04-2001</b>	DRAWING / FILE NO. <b>WW14802</b>
REVISION NO. <b>0</b>	

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CITY DATUM = SFVD13  
-11.35 FT

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
**GENERAL NOTES**

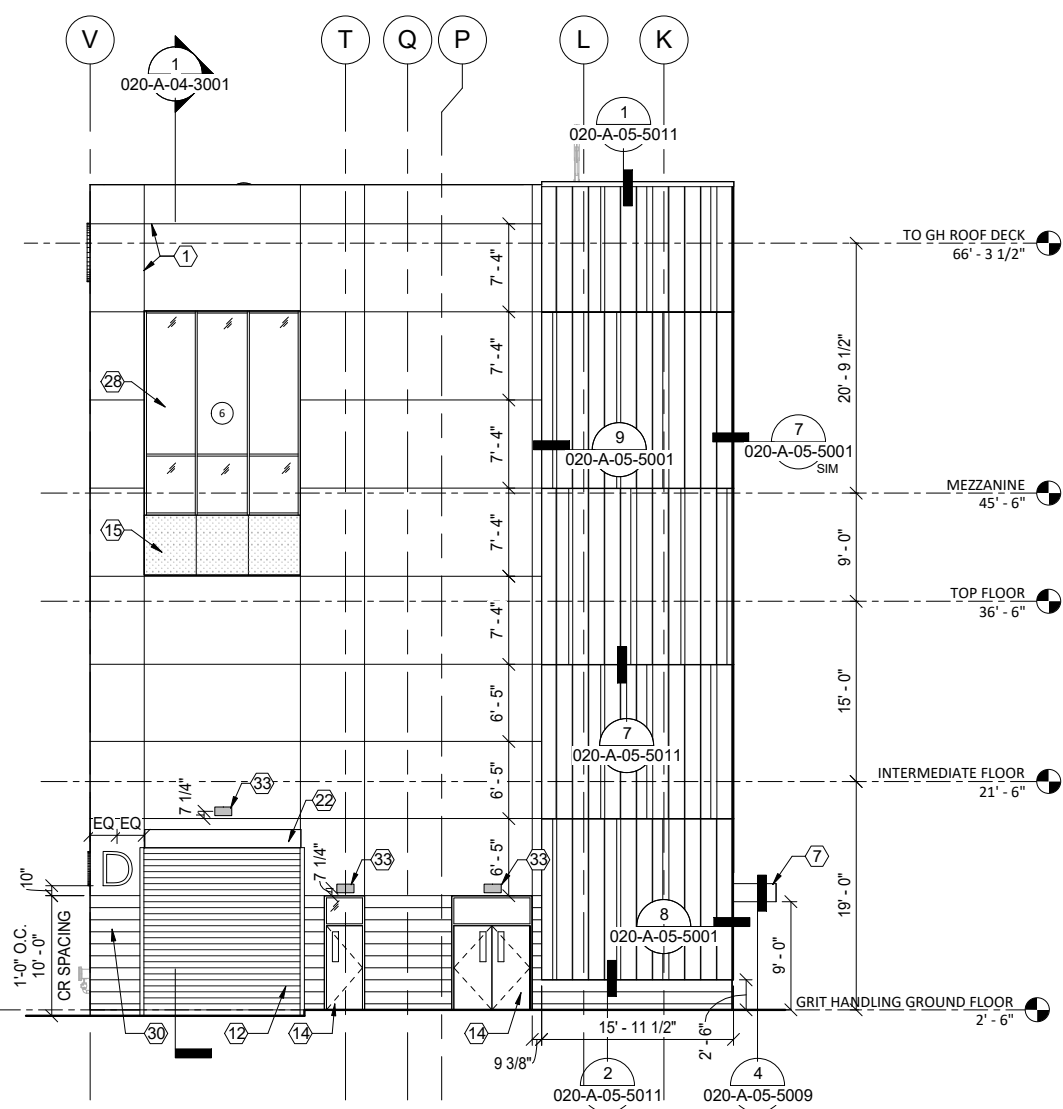
1. ALL DOOR AND WINDOW DIMENSIONS ARE TO ROUGH OPENING OF CONCRETE UNO. SEE 020-A-05-6002 FOR DOOR SCHEDULE.
2. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.
3. SEE GLAZING SCHEDULE SHEET 020-A-05-6001.

**KEY NOTES**

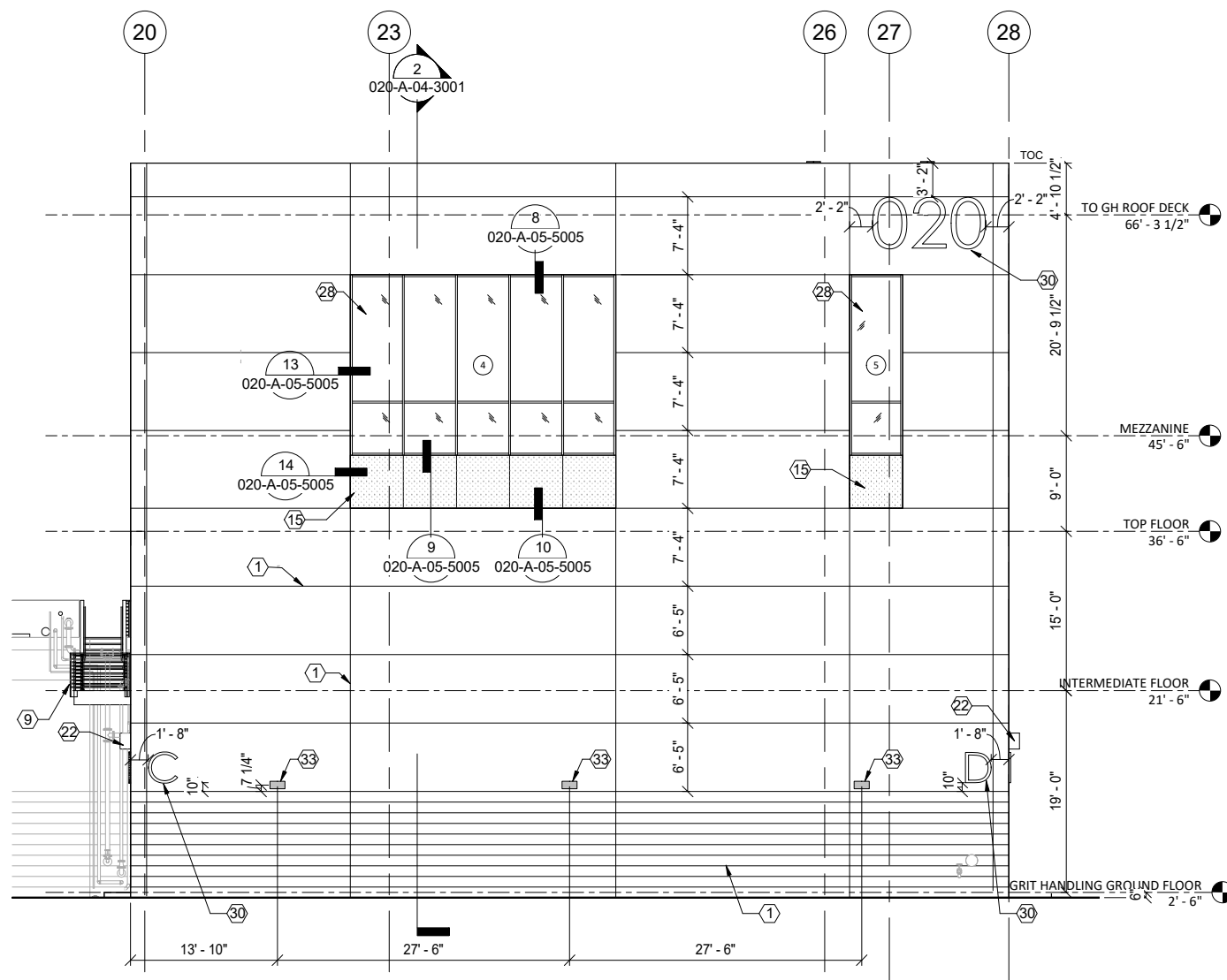
- ① CONCRETE REVEAL
- ② METAL FABRIC SYSTEM
- ③ METAL WALL PANEL
- ④ CHANNEL GLAZING SYSTEM
- ⑤ SHEET METAL COPING
- ⑥ COMPOSITE PANEL TRIM
- ⑦ METAL FRAMED CANOPY
- ⑧ SCUPPER WITH DOWNSPOUT
- ⑨ WIRE ROPE RAILING SYSTEM
- ⑩ PROCESS MECHANICAL EQUIPMENT
- ⑪ STOREFRONT WINDOW SYSTEM
- ⑫ OVERHEAD COILING DOOR
- ⑬ PIPE GUARDRAIL AND HANDRAIL
- ⑭ FRP DOOR
- ⑮ METAL COMPOSITE PANEL IN CONCRETE RECESS
- ⑯ DOOR ARMOR
- ⑰ STOREFRONT DOOR/WINDOW SYSTEM
- ⑱ MONORAIL, SEE STRUCTURAL
- ⑲ STAIR ASSEMBLY, SEE STRUCTURAL
- ⑳ PERIMETER FENCING, SEE LANDSCAPE
- ㉑ CONCRETE WALL, SEE SPEC 03 35 31 FOR FINISH
- ㉒ AIR CURTAIN, SEE HVAC
- ㉓ METAL FABRIC SUPPORT
- ㉔ METAL FABRIC INTERMEDIATE LINK
- ㉕ 6" x 13" GASKETED OPENING AT TOP OF DOOR FOR MONORAIL
- ㉖ DOWNSPOUT
- ㉗ REMOVABLE RAILING SECTION
- ㉘ CURTAIN WALL WINDOW SYSTEM
- ㉙ PIPE PENETRATION THROUGH METAL FABRIC SYSTEM - COORDINATE OPENING WITH OTHER DISCIPLINES
- ㉚ EXTRUDED ALUMINUM SIGNAGE, SEE SPEC
- ㉛ CONCRETE W/ GRAFITTI RESISTANT COATING
- ㉜ FRP LOUVER
- ㉝ WALL SCONCE, SEE ELEC. MOUNT CENTERED OVER OPENING UNLESS NOTED

**LEGEND**

-  CHANNEL GLAZING SYSTEM
-  METAL WALL PANEL
-  X# METAL FABRIC SYSTEM PANEL TAG



**2 ELEVATION - EAST**  
SCALE: 1/8" = 1'-0"




**1 ELEVATION - SOUTH**  
SCALE: 1/8" = 1'-0"

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**HEADWORKS PARTIAL (AREA 55) ELEVATIONS - 2**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-04-2002</b>	DRAWING / FILE NO. <b>WW14803</b>
REVISIONS	REVISION NO. <b>0</b>

	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD



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CITY DATUM = SFVD13  
-11.35 FT

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
**SHEET GENERAL NOTES**

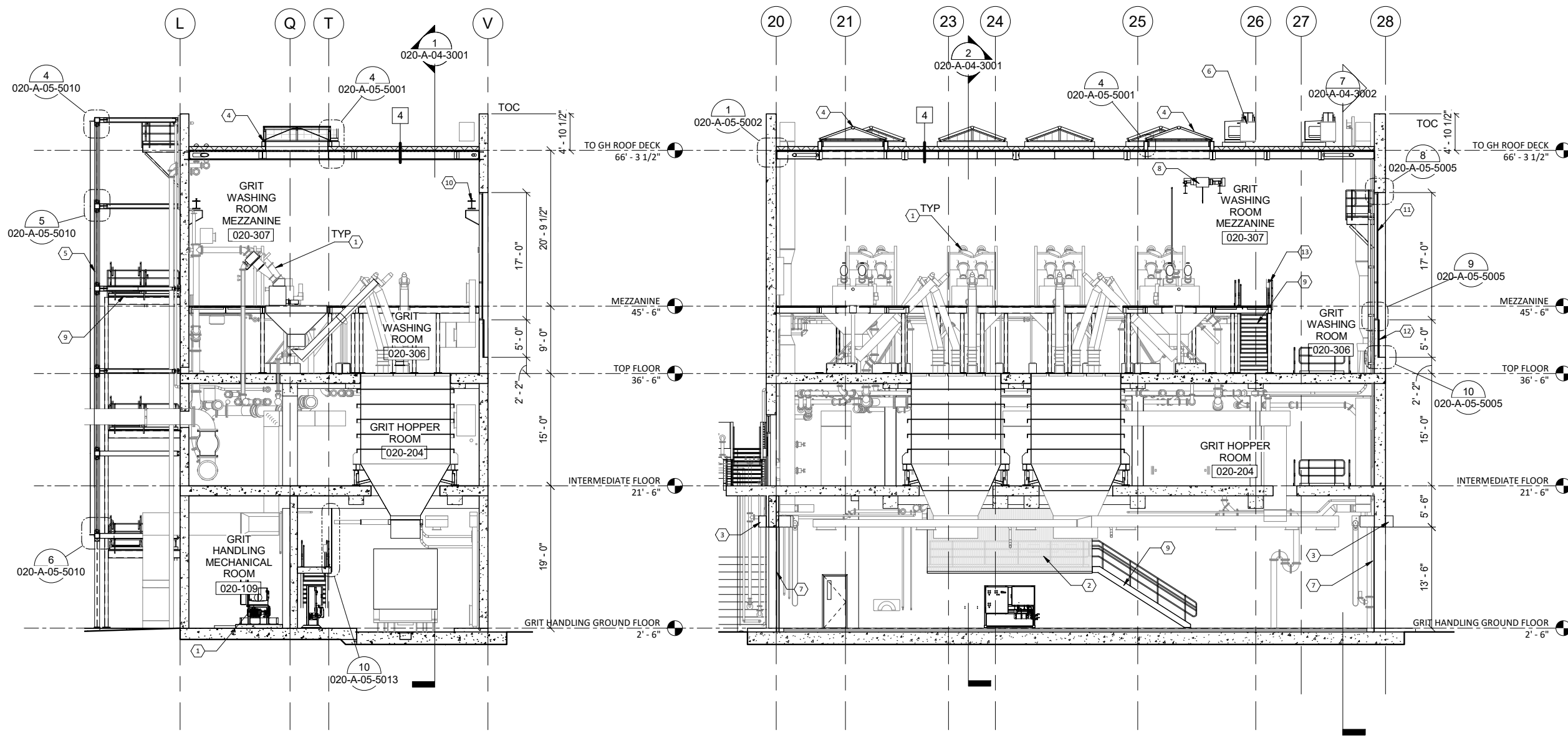
1. NOT ALL KEYNOTES MAY APPEAR ON THIS SHEET.

**KEY NOTES**

- ① PROCESS MECHANICAL EQUIPMENT
- ② SPLASH GUARD AT MEZZANINE
- ③ AIR CURTAIN, SEE HVAC
- ④ REMOVABLE SKYLIGHT SYSTEM
- ⑤ METAL FABRIC SYSTEM
- ⑥ HVAC
- ⑦ OVERHEAD COILING DOOR
- ⑧ BRIDGE CRANE, SEE STRUCTURAL
- ⑨ STAIR ASSEMBLY, SEE STRUCTURAL
- ⑩ BRIDGE CRANE RAILS, SEE STRUCTURAL
- ⑪ CURTAINWALL WINDOW SYSTEM
- ⑫ ZINC COMPOSITE PANEL IN CONCRETE RECESS
- ⑬ GUARDRAIL

**LEGEND**

 NON-OCCUPIED SPACE



**2** GRIT HANDLING - 2  
SCALE: 1/8" = 1'-0"

**1** GRIT HANDLING - 1  
SCALE: 1/8" = 1'-0"


CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
HEADWORKS PARTIAL (AREA 55) SECTIONS

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-04-3001	WW14804	0

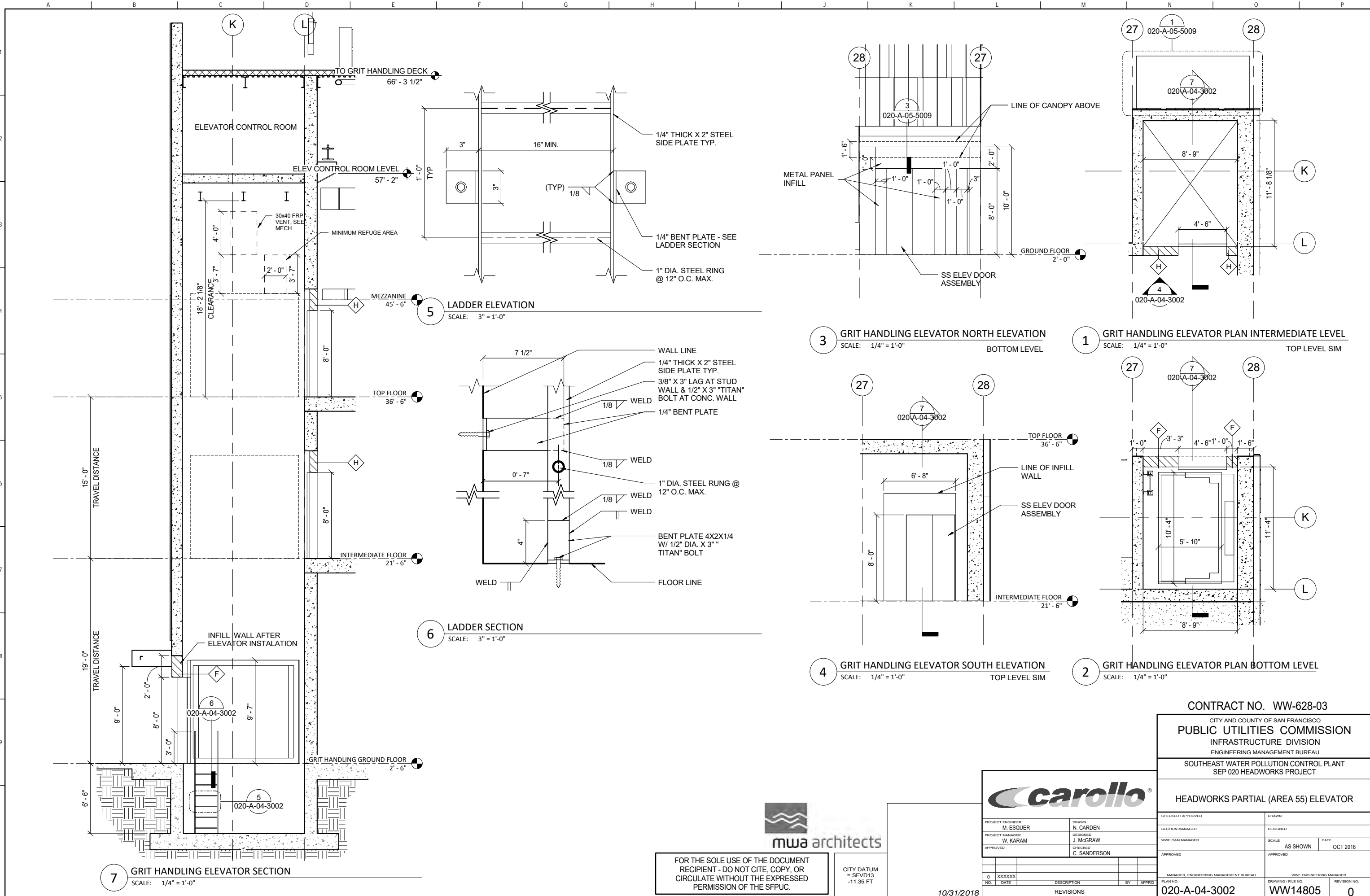
	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
NO.	DATE
DESCRIPTION	BY
REVISIONS	



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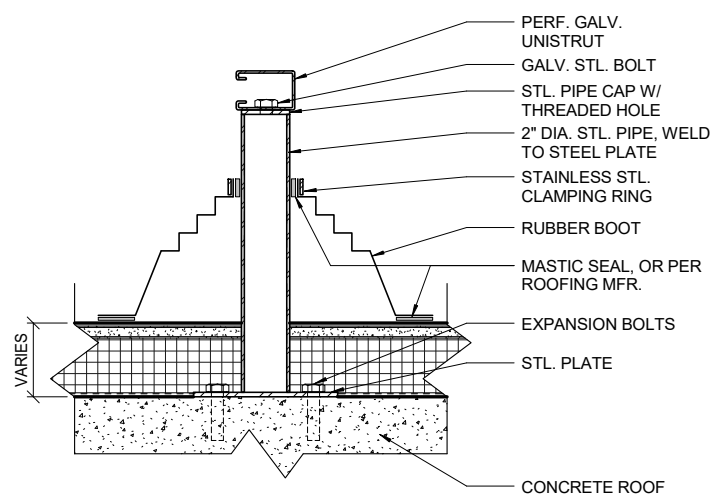
CITY DATUM = SFVD13 -11.35 FT

10/31/2018

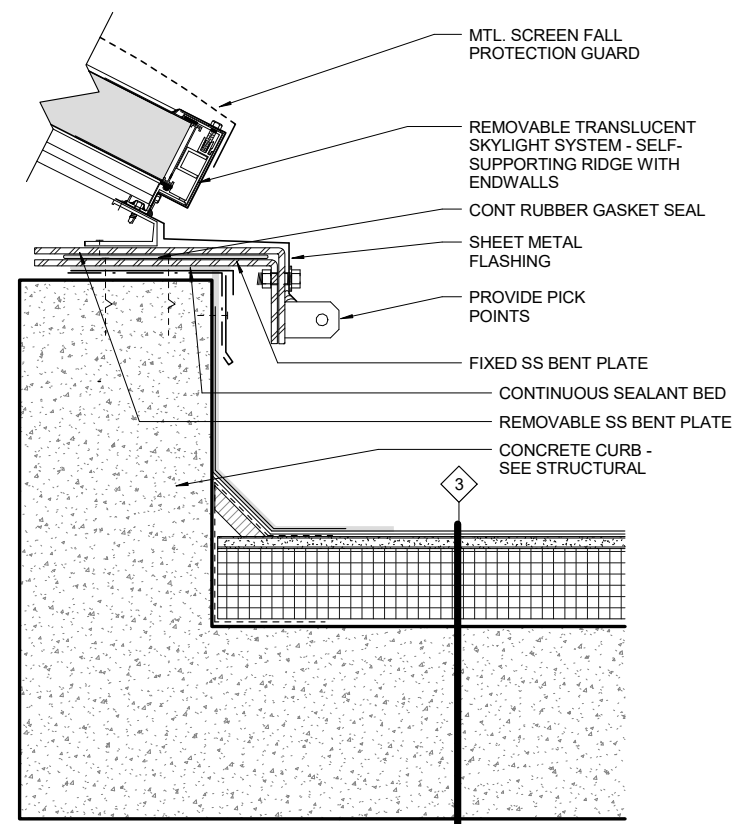


<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
0 XXXXXX	
NO. DATE	DESCRIPTION BY APPRD
REVISIONS	

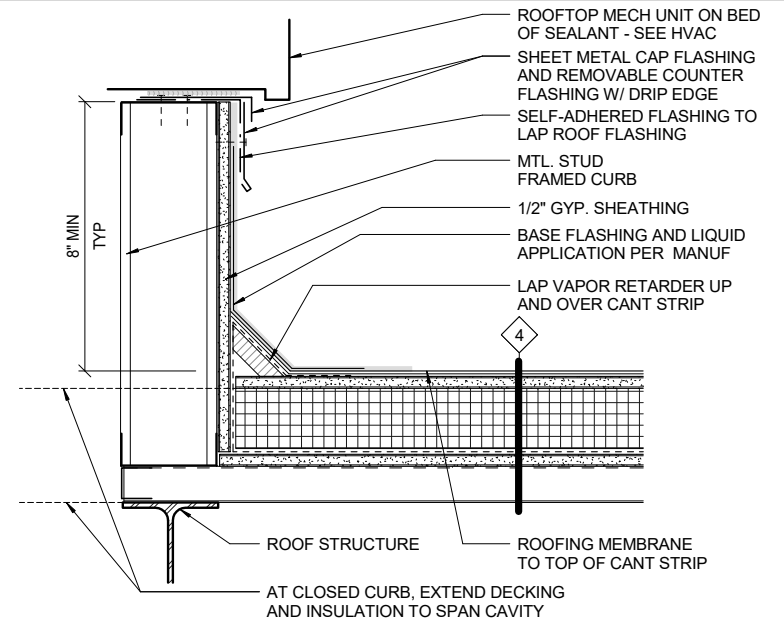
CONTRACT NO. WW-628-03			
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT SEP 020 HEADWORKS PROJECT			
HEADWORKS PARTIAL (AREA 55) ELEVATOR			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	AS SHOWN	DATE
			OCT 2018
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER		
PLAN NO.	DRAWING / FILE NO.	REVISION NO.	
020-A-04-3002	WW14805	0	



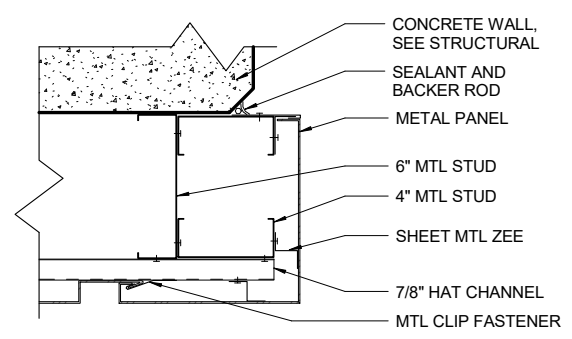
**5 ROOF PV STANDOFF** SIM TO NRCA MB-19, 5TH EDITION (2001)  
SCALE: 3" = 1'-0"



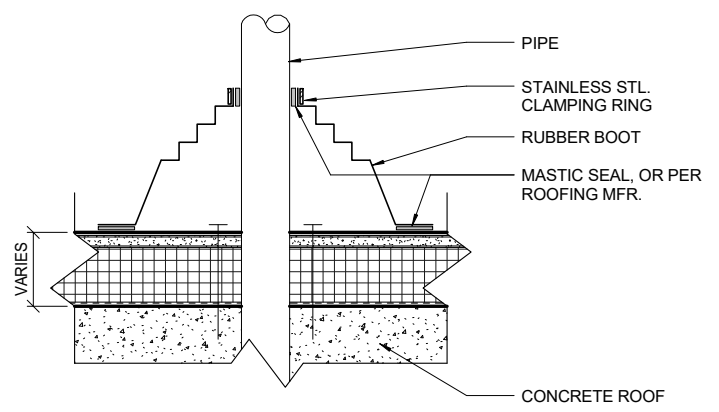
**3 SKYLIGHT CURB AT HEADWORKS**  
SCALE: 3" = 1'-0"



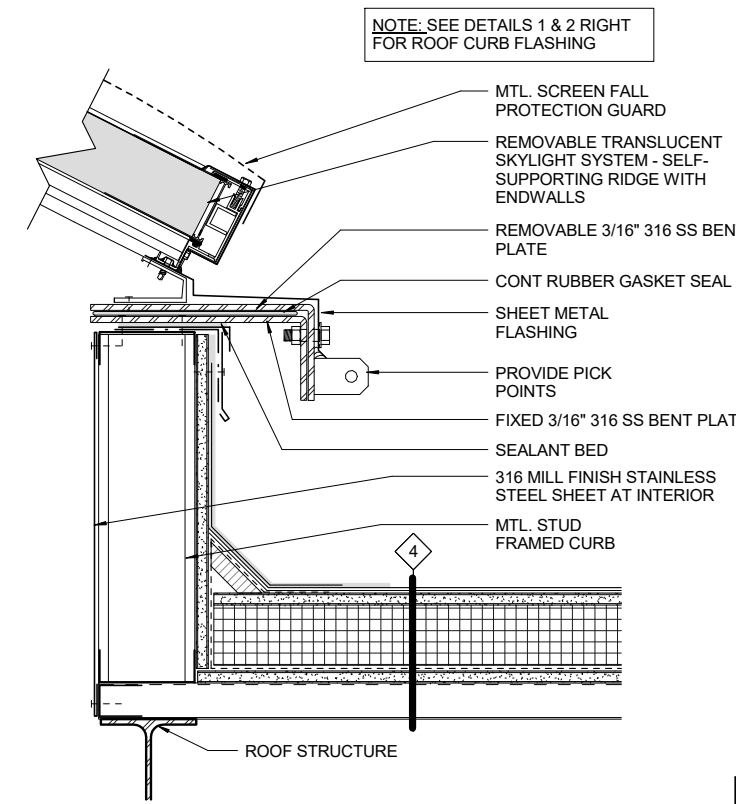
**1 MECHANICAL CURB AT GRITHANDLING**  
SCALE: 3" = 1'-0"



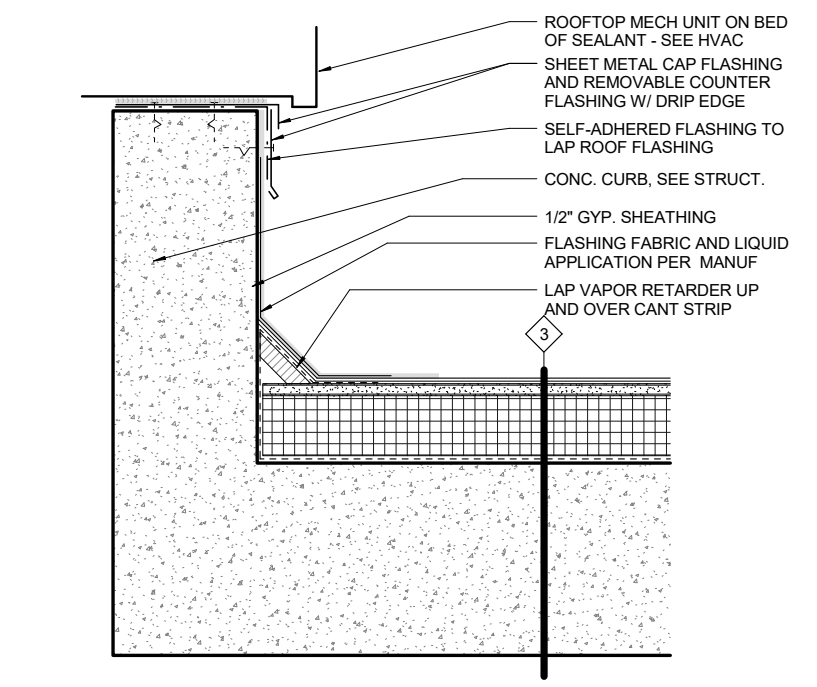
**8 METAL PANEL OUTSIDE CORNER AT ELEVATOR DOOR**  
SCALE: 3" = 1'-0"



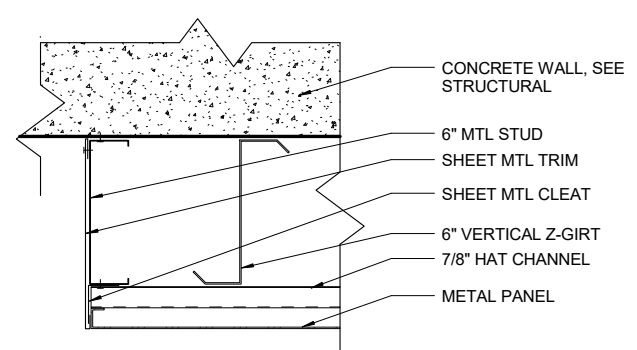
**6 ROOF PIPE PENETRATION** SIM TO NRCA MB-19, 5TH EDITION (2001)  
SCALE: 3" = 1'-0"



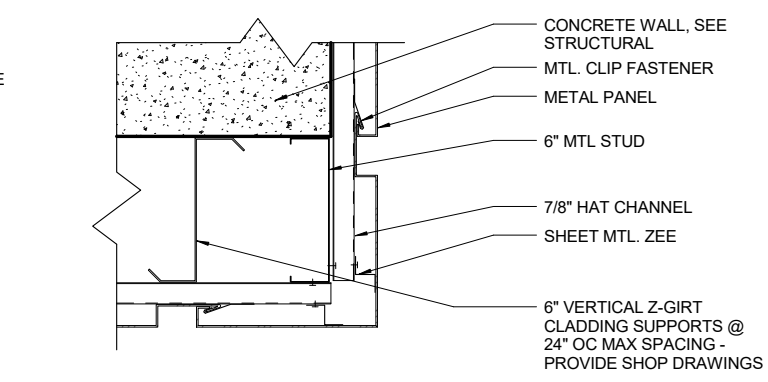
**4 SKYLIGHT CURB AT GRITHANDLING**  
SCALE: 3" = 1'-0"



**2 MECHANICAL CURB AT SCREENINGS HANDLING**  
SCALE: 3" = 1'-0"



**9 METAL PANEL END AT ZEE**  
SCALE: 3" = 1'-0"



**7 METAL PANEL OUTSIDE CORNER AT ZEE**  
SCALE: 3" = 1'-0"

NOTE: SEE DETAILS 1 & 2 RIGHT FOR ROOF CURB FLASHING



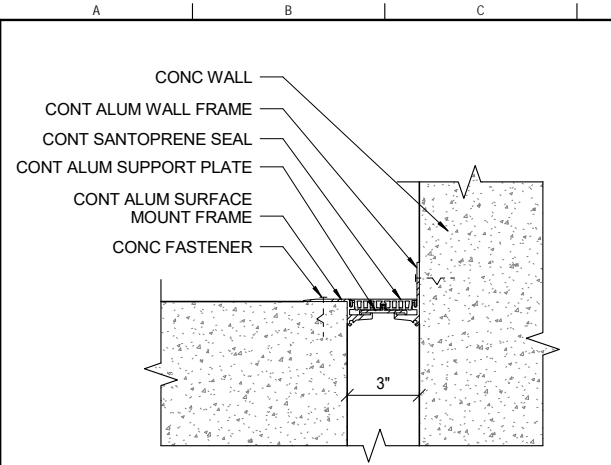
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CITY DATUM = SFVD13 -11.35 FT

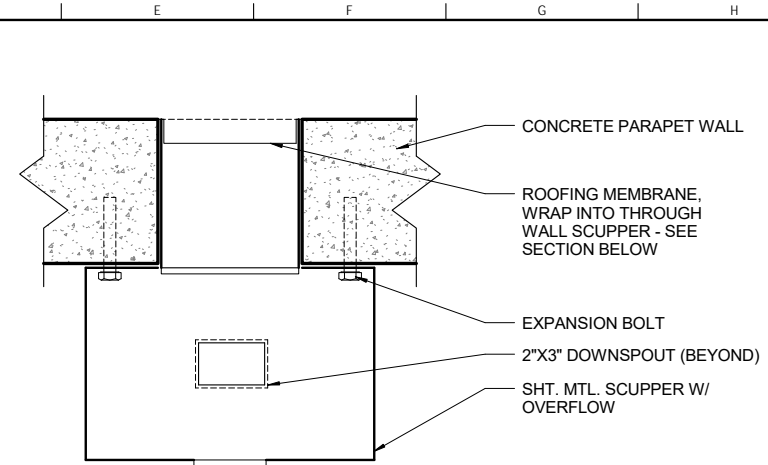
10/31/2018

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

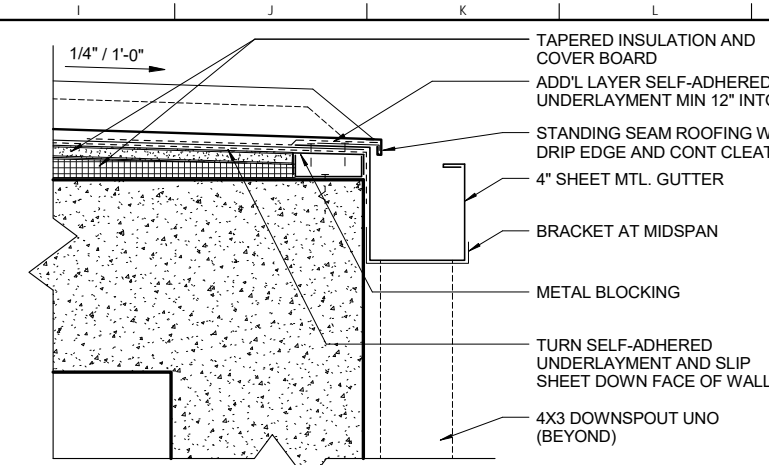
CONTRACT NO. WW-628-03			
CITY AND COUNTY OF SAN FRANCISCO <b>PUBLIC UTILITIES COMMISSION</b> INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT SEP 020 HEADWORKS PROJECT			
SEP 020 DETAILS - 1			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	AS SHOWN	DATE
APPROVED	OCT 2018		
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER		
PLAN NO.	DRAWING / FILE NO.	REVISION NO.	
020-A-05-5001	WW14806	0	



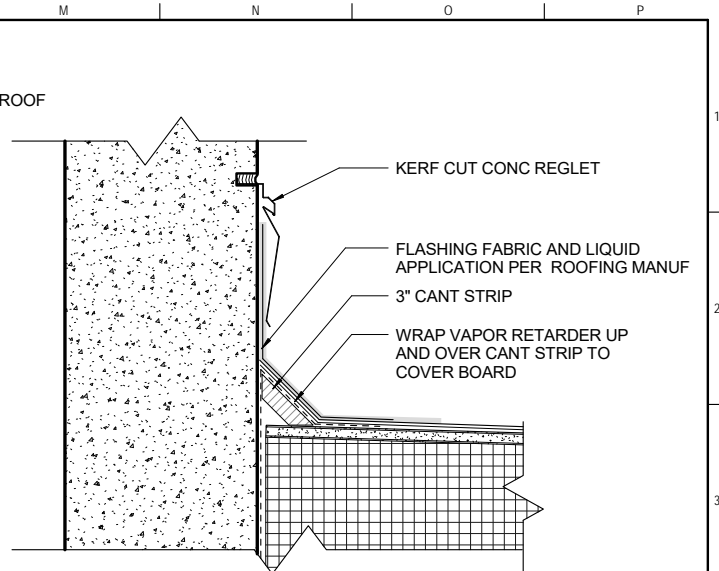
**9 ROOF HORIZONTAL JOINT COVER**  
SCALE: 3" = 1'-0"



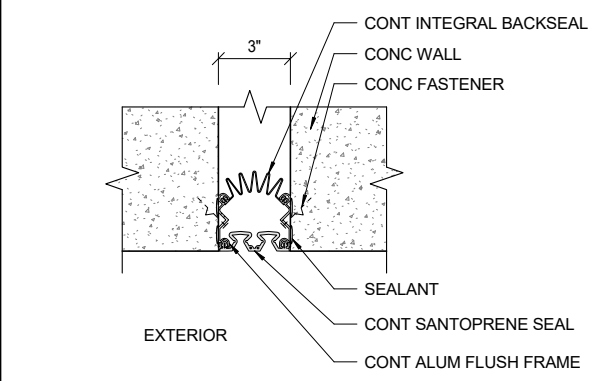
**6 TYPICAL SCUPPER PLAN**  
SCALE: 3" = 1'-0"



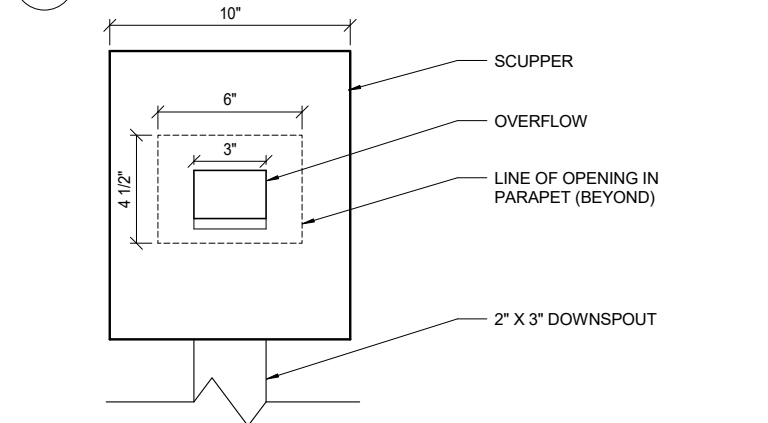
**3 ELEVATOR ROOF EDGE**  
SCALE: 3" = 1'-0"



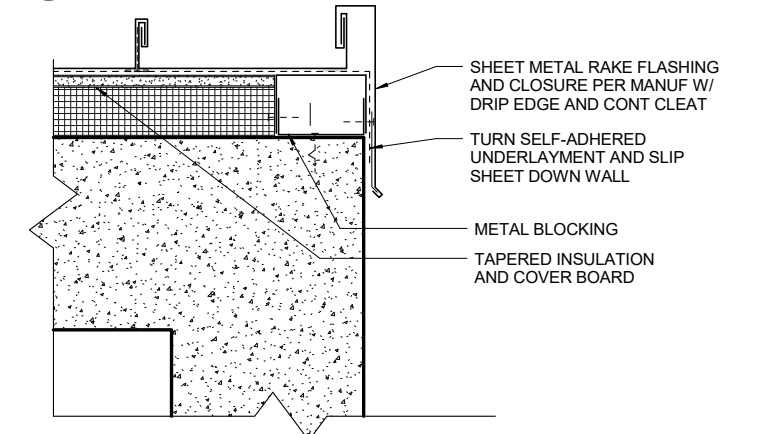
**1 ROOF TO CONCRETE WALL**  
SCALE: 3" = 1'-0"



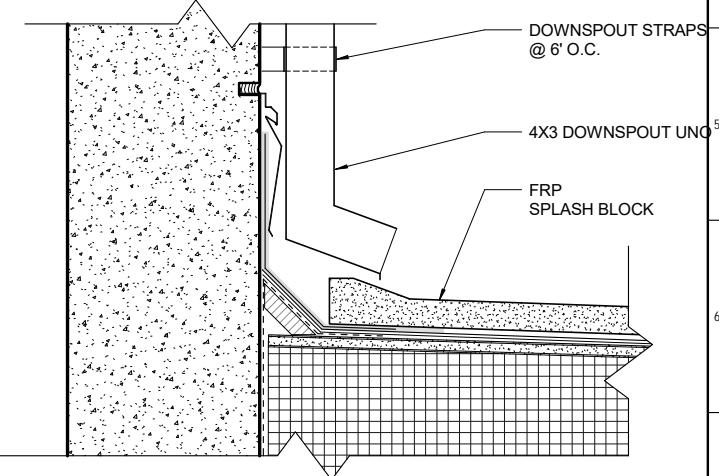
**10 EXTERIOR WALL JOINT COVER**  
SCALE: 3" = 1'-0"



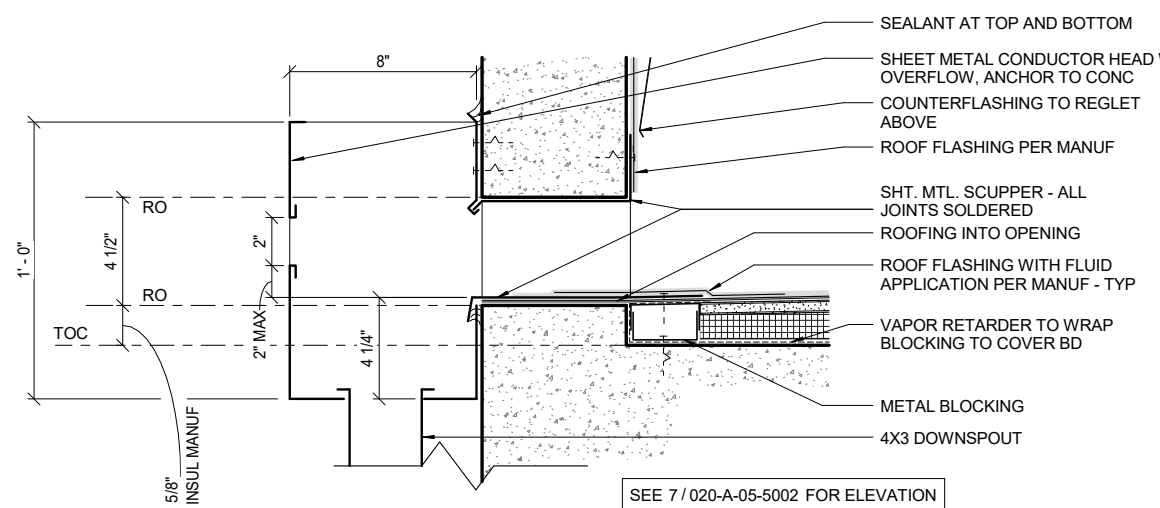
**7 TYPICAL SCUPPER ELEVATION**  
SCALE: 3" = 1'-0"



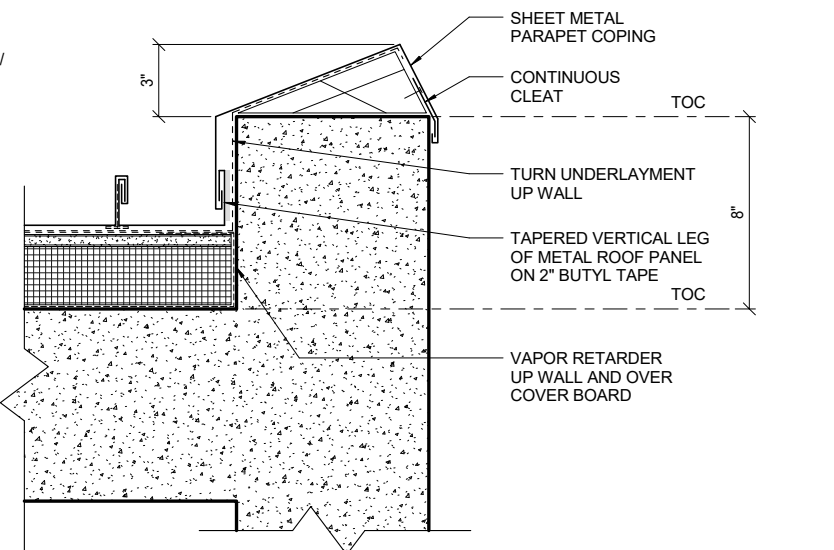
**4 ELEVATOR ROOF RAKE**  
SCALE: 3" = 1'-0"



**2 ROOF DOWNSPOUT SPLASHBLOCK**  
SCALE: 3" = 1'-0"



**8 TYPICAL SCUPPER SECTION**  
SCALE: 3" = 1'-0"



**5 ELEVATOR ROOF TO PARAPET WALL**  
SCALE: 3" = 1'-0"

CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
**DETAILS - 2**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-05-5002	WW14807	0

**carollo**

PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	

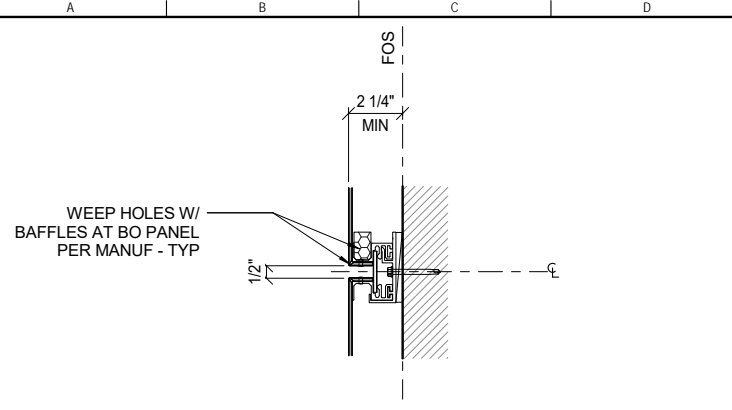
NO.	DATE	DESCRIPTION	BY	APPRD

10/31/2018

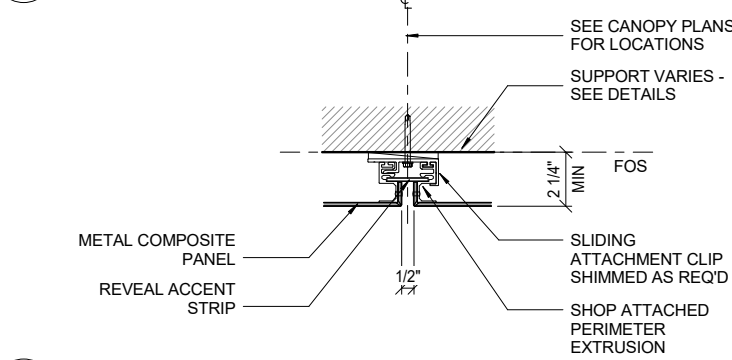
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CITY DATUM = SFVD13 -11.35 FT

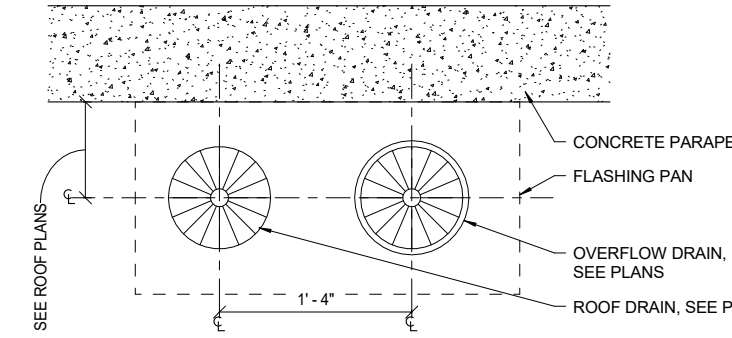




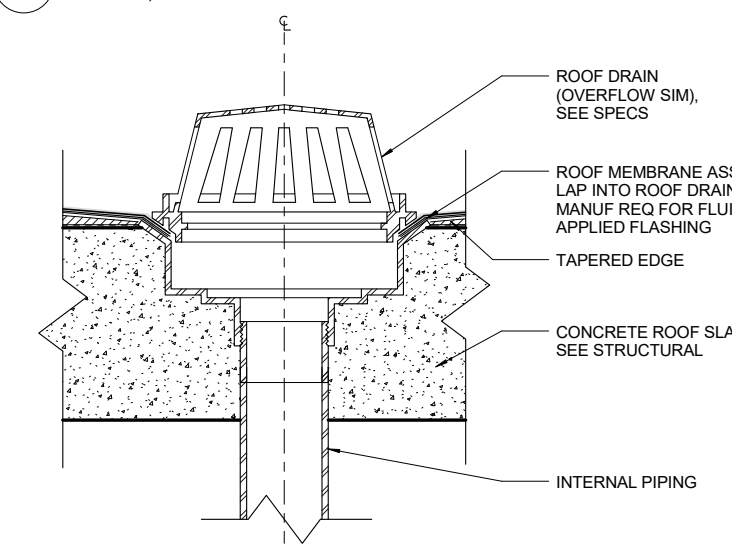
**5 TYPICAL HORIZ COMPOSITE PANEL JOINT**  
SCALE: 3" = 1'-0"



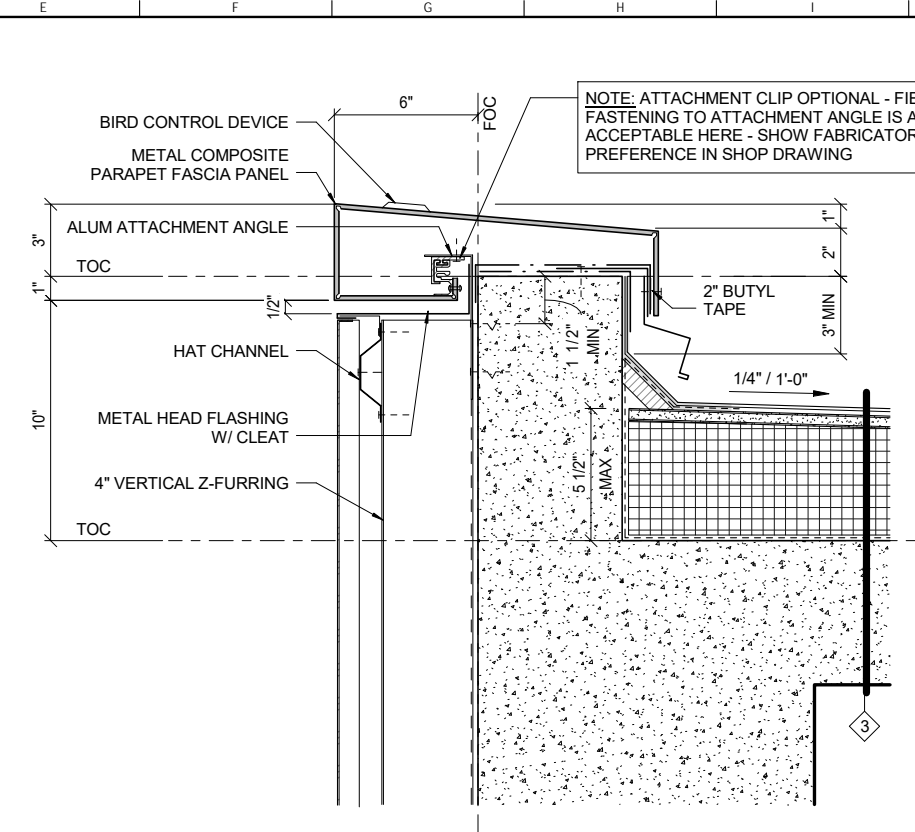
**6 TYPICAL VERT COMPOSITE PANEL JOINT**  
SCALE: 3" = 1'-0"



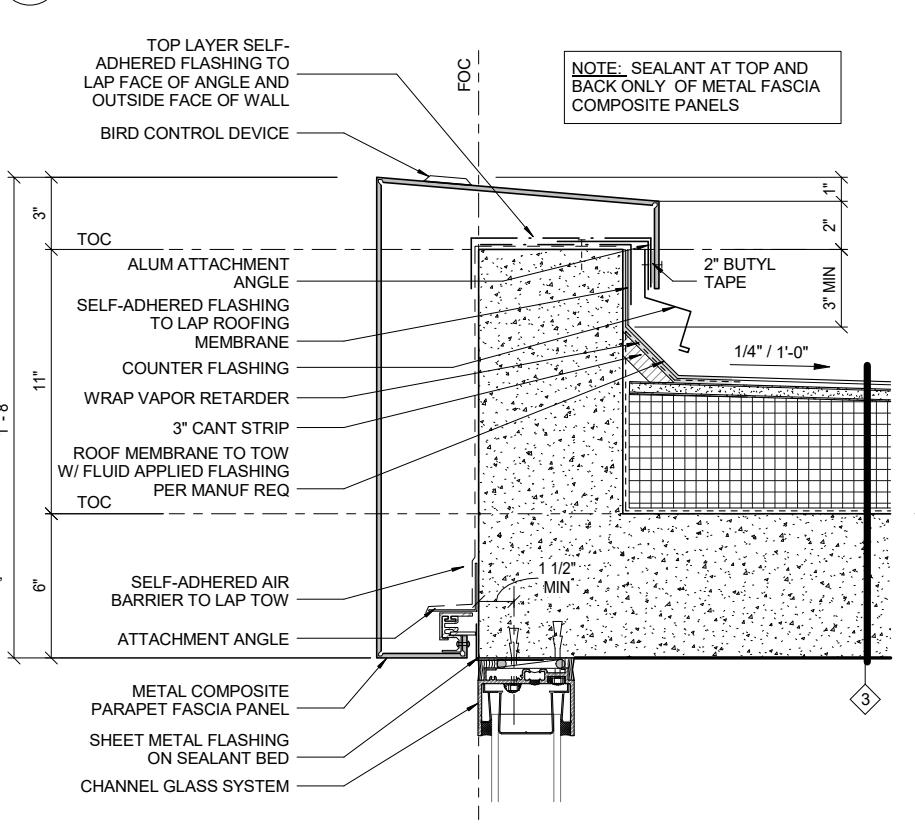
**7 ROOF DRAIN WITH OVERFLOW**  
SCALE: 1 1/2" = 1'-0"



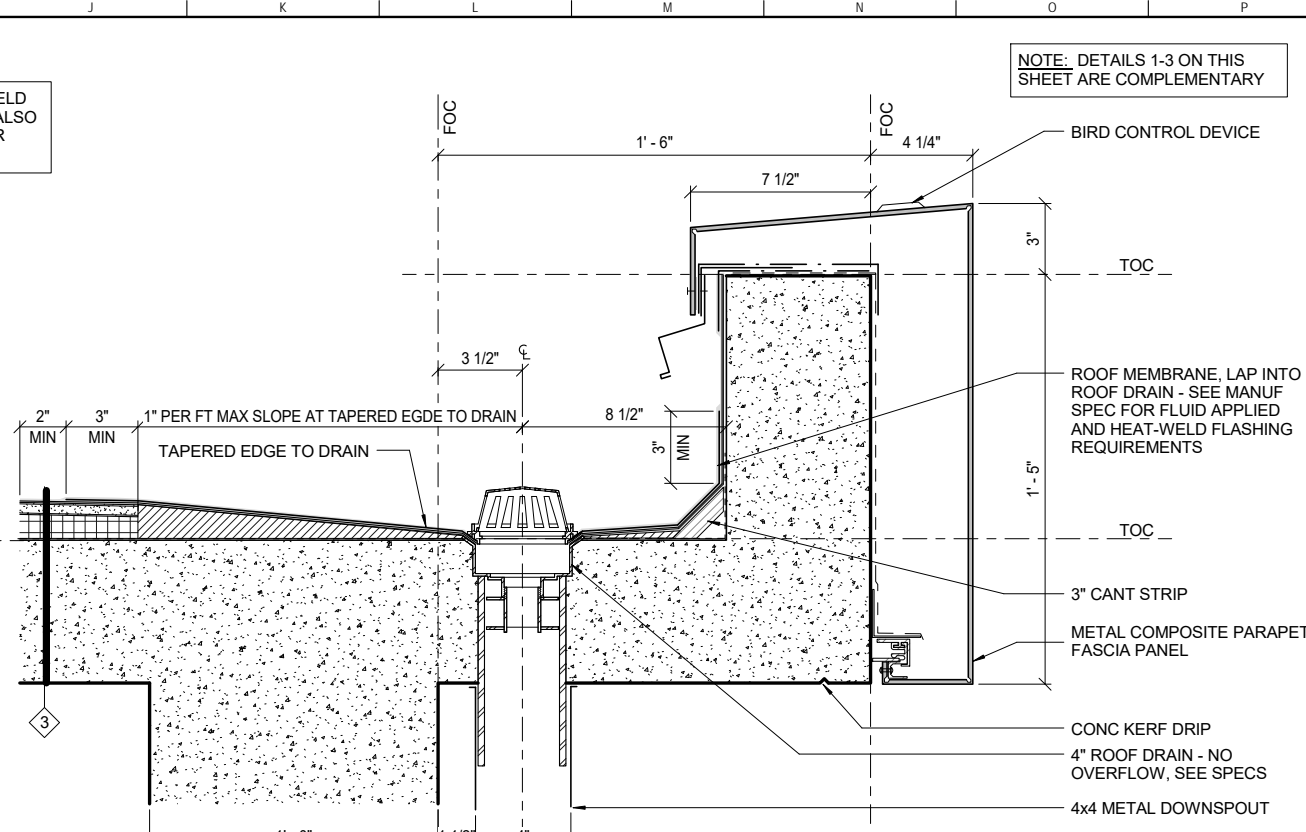
**8 TYPICAL ROOF DRAIN SECTION - OVERFLOW SIM**  
SCALE: 3" = 1'-0"



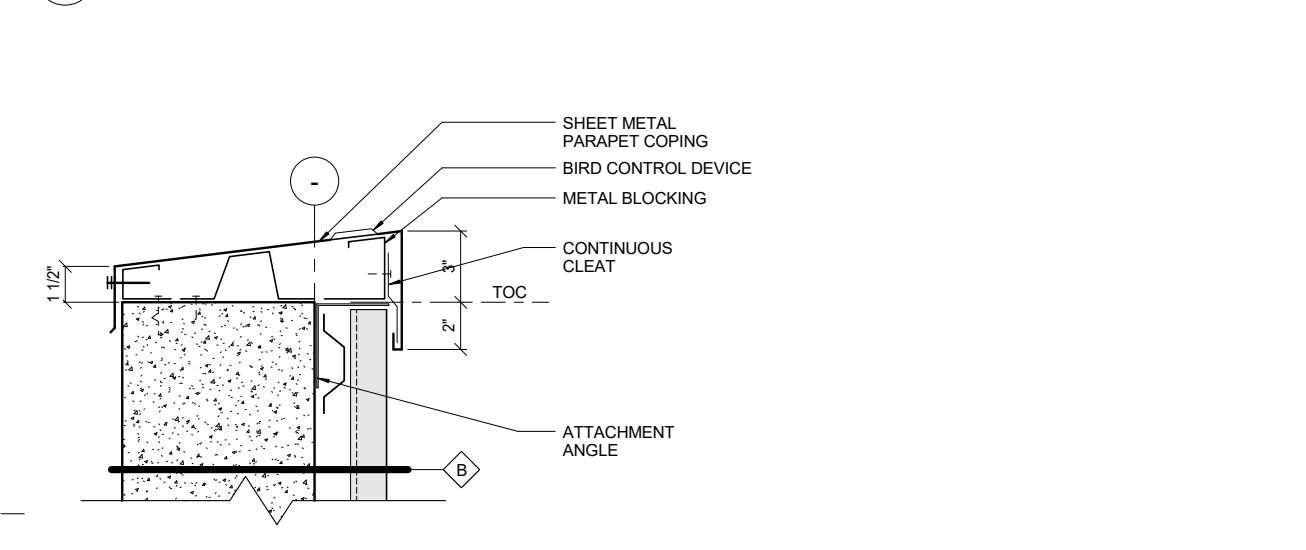
**3 STAIR TOWER WEST PARAPET**  
SCALE: 3" = 1'-0"



**4 STAIR TOWER SOUTH/NORTH PARAPET**  
SCALE: 3" = 1'-0"



**1 STAIR TOWER EAST PARAPET AND DRAIN**  
SCALE: 3" = 1'-0"



**2 METAL PANEL AT CONC PARAPET WALL**  
SCALE: 3" = 1'-0"



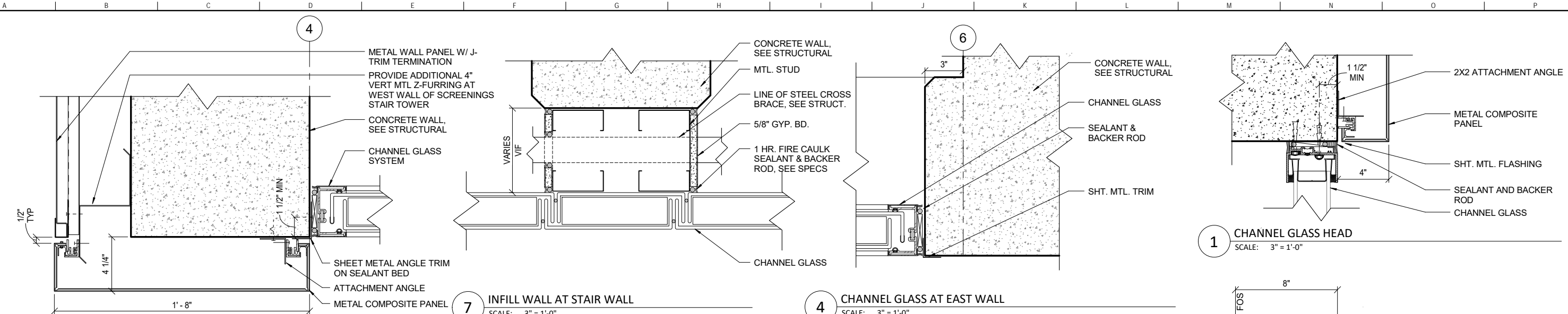
FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESSED PERMISSION OF THE SFPUC.

CITY DATUM = SFVD13 -11.35 FT

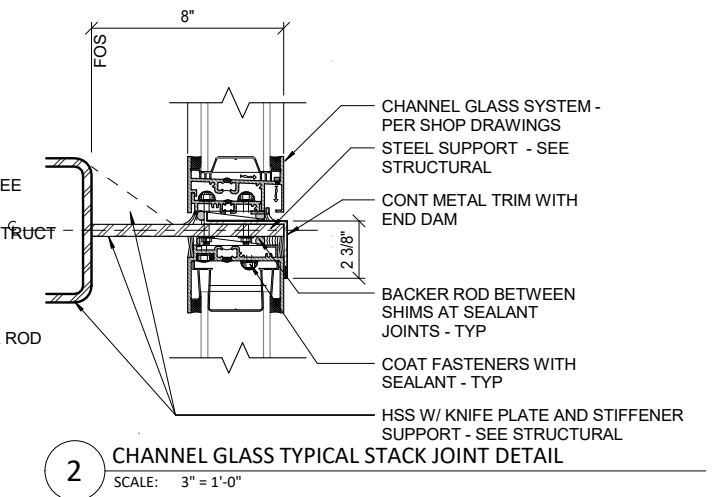
10/31/2018

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
NO.	DATE
DESCRIPTION	BY
REVISIONS	APPRD

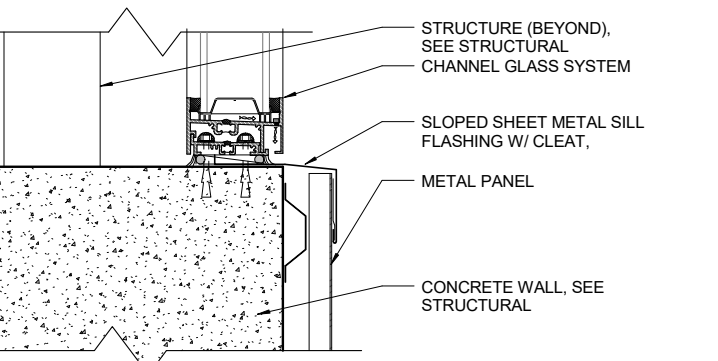
CONTRACT NO. WW-628-03			
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT SEP 020 HEADWORKS PROJECT			
SEP 020 DETAILS - 3			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	AS SHOWN	DATE
APPROVED	OCT 2018		
MANAGER, ENGINEERING MANAGEMENT BUREAU		WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.	
020-A-05-5003	WW14808	0	



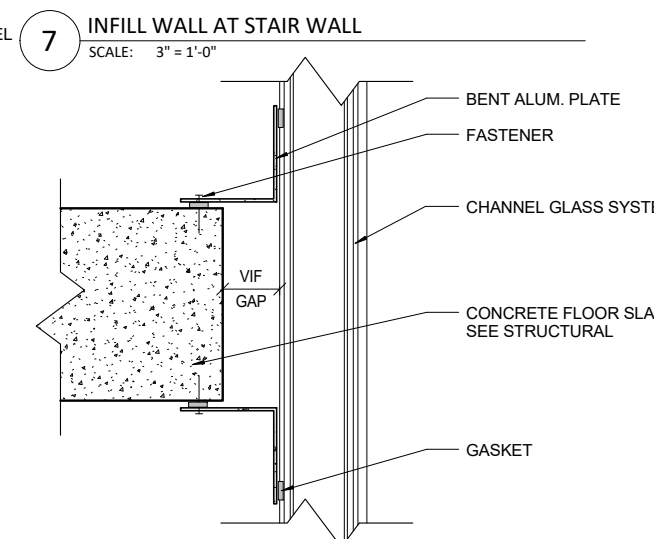
**1 CHANNEL GLASS HEAD**  
SCALE: 3" = 1'-0"



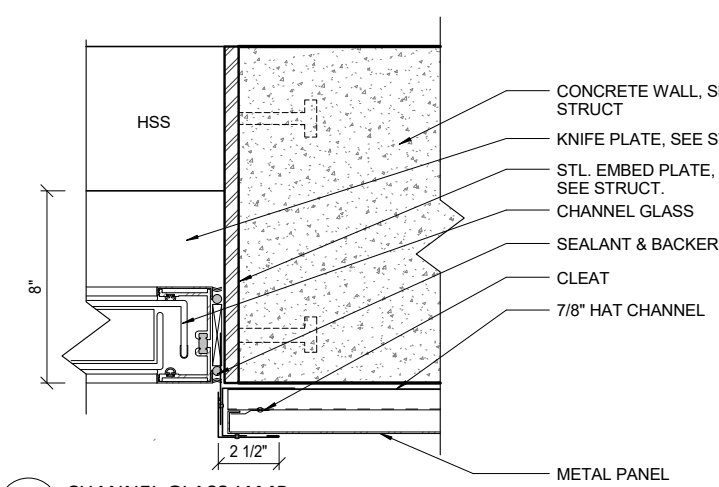
**2 CHANNEL GLASS TYPICAL STACK JOINT DETAIL**  
SCALE: 3" = 1'-0"



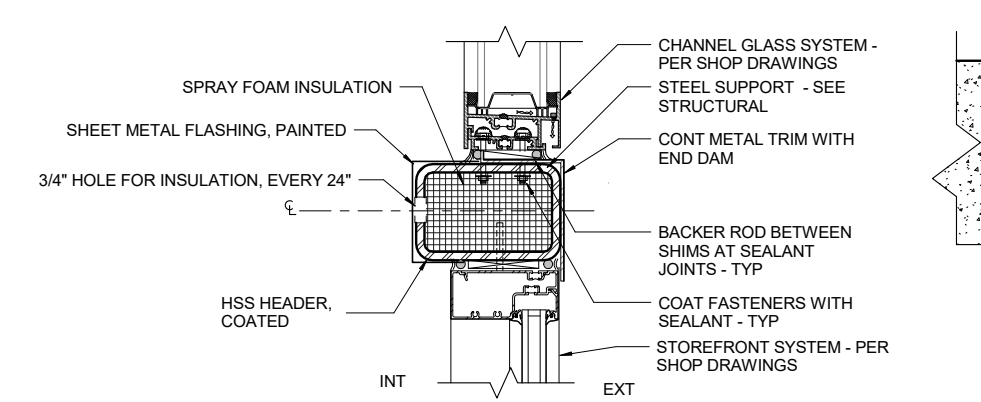
**3 CHANNEL GLASS SILL AT CONCRETE**  
SCALE: 3" = 1'-0"



**7 INFILL WALL AT STAIR WALL**  
SCALE: 3" = 1'-0"



**5 CHANNEL GLASS JAMB**  
SCALE: 3" = 1'-0"



**6 CHANNEL GLASS SILL TO STOREFRONT HEAD**  
SCALE: 3" = 1'-0"

**9 CHANNEL GLASS AT WEST WALL**  
SCALE: 3" = 1'-0"

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
DETAILS - 4

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
APPROVED	AS SHOWN	OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-05-5004	WW14809	0

**carollo**

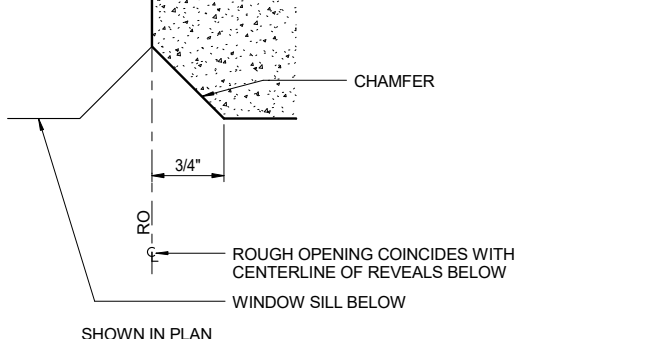
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON

NO.	DATE	DESCRIPTION	BY	APPRD

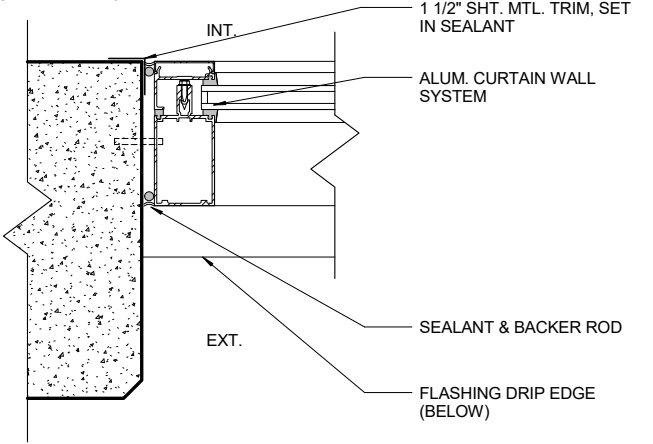
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CITY DATUM = SFVD13  
-11.35 FT

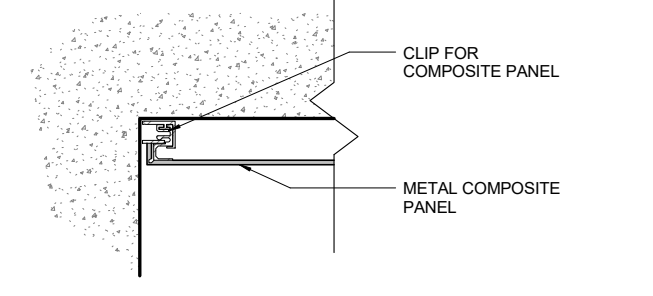
10/31/2018



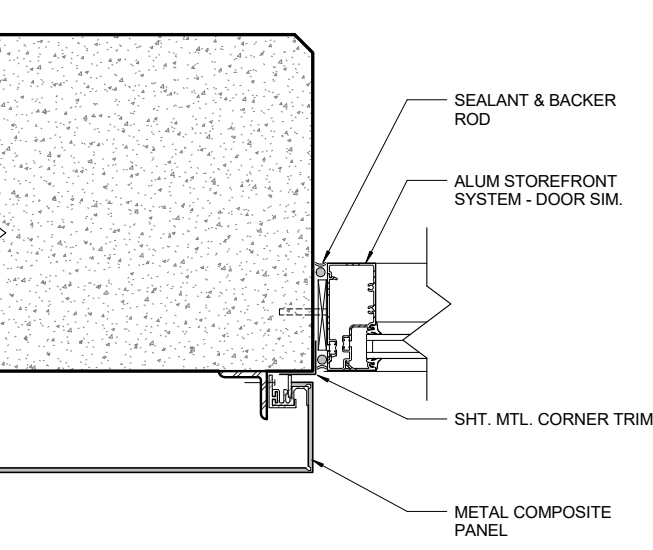
12 TYP CONCRETE REVEAL AT OPENING  
SCALE: 12" = 1'-0"



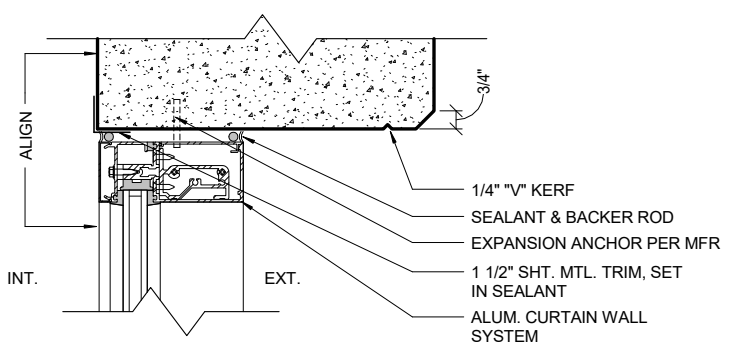
13 CURTAIN WALL JAMB  
SCALE: 3" = 1'-0"



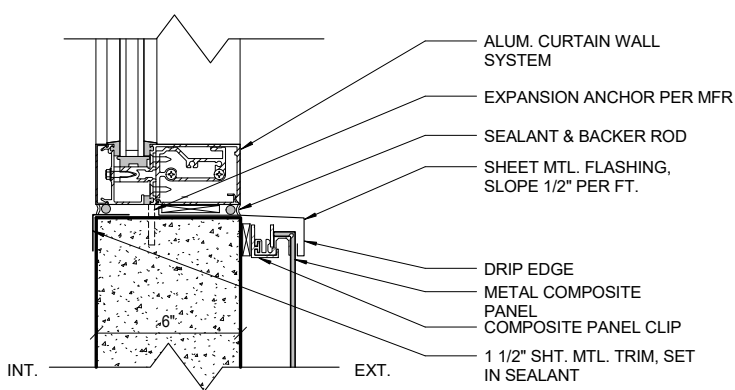
14 METAL COMPOSITE PANEL JAMB BELOW CURTAIN WALL  
SCALE: 3" = 1'-0"



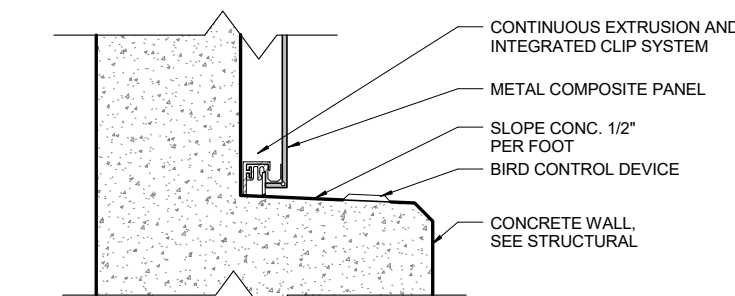
15 STOREFRONT JAMB AT METAL COMPOSITE PANEL  
SCALE: 3" = 1'-0"



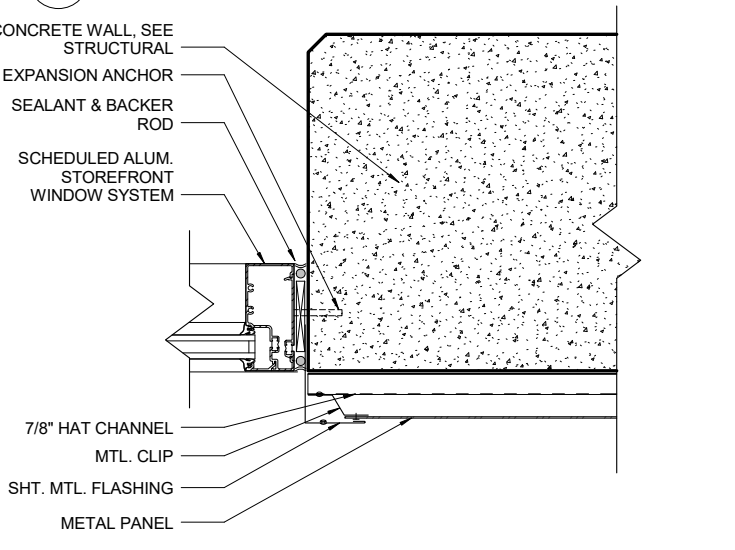
8 CURTAIN WALL HEAD  
SCALE: 3" = 1'-0"



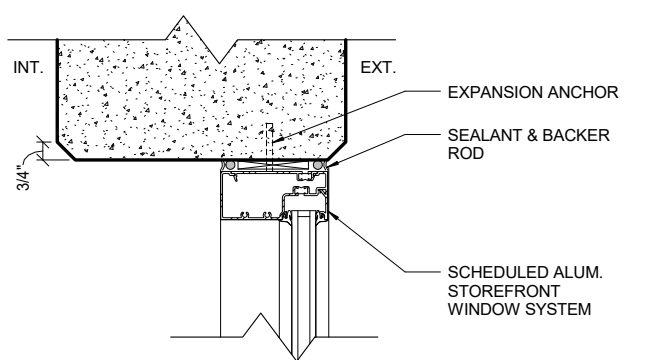
9 CURTAIN WALL SILL  
SCALE: 3" = 1'-0"



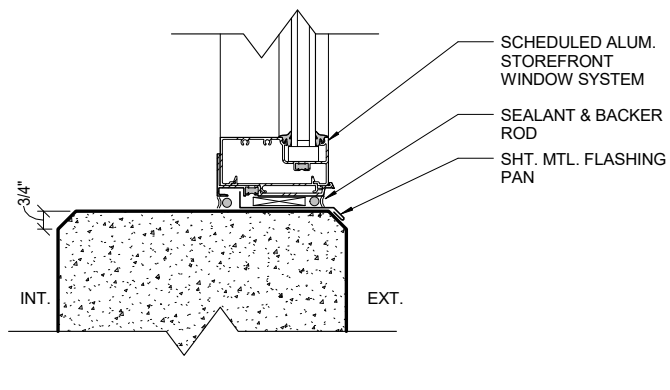
10 METAL COMPOSITE PANEL AT CURTAINWALL SILL  
SCALE: 3" = 1'-0"



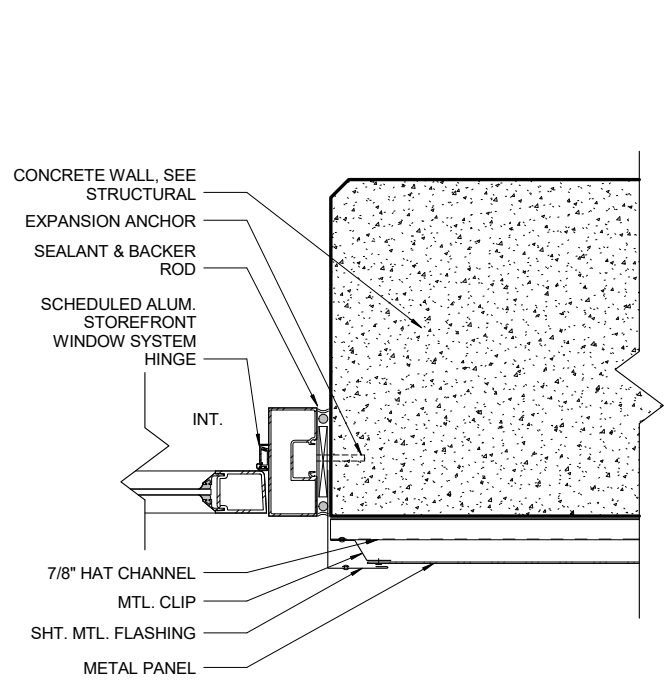
11 STOREFRONT JAMB AT METAL PANEL  
SCALE: 3" = 1'-0"



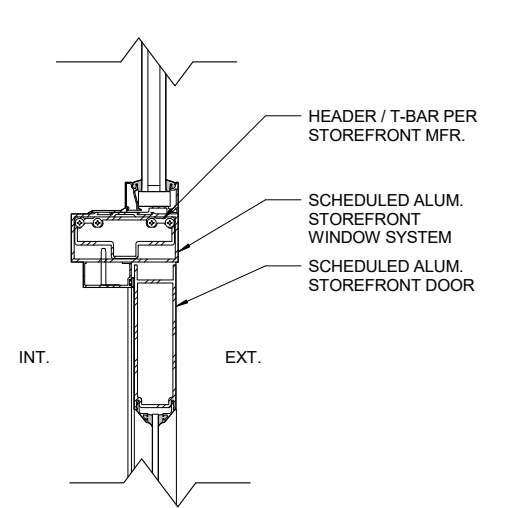
4 STOREFRONT HEAD AT CONCRETE (JAMB SIM)  
SCALE: 3" = 1'-0"



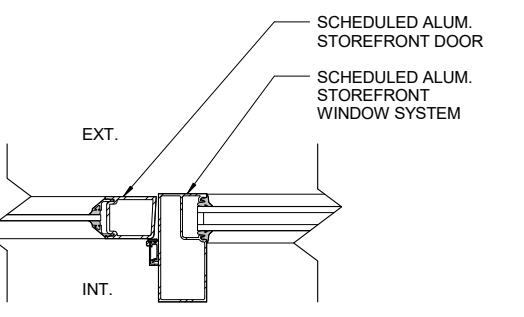
5 STOREFRONT SILL AT CONCRETE (SIM AT SLAB)  
SCALE: 3" = 1'-0"



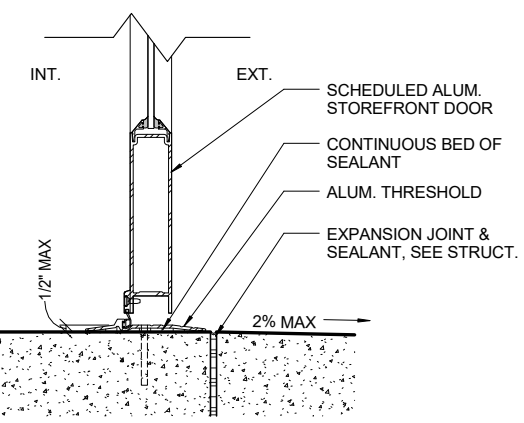
6 STOREFRONT JAMB AT DOOR  
SCALE: 3" = 1'-0"



1 STOREFRONT DOOR HEAD/TRANSOM  
SCALE: 3" = 1'-0"



2 STOREFRONT DOOR JAMB/SIDELIGHT  
SCALE: 3" = 1'-0"



3 STOREFRONT DOOR THRESHOLD  
SCALE: 3" = 1'-0"

CONTRACT NO. WW-628-03

CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 020  
DETAILS - 5

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-05-5005	DRAWING / FILE NO. WW14810
	REVISION NO. 0

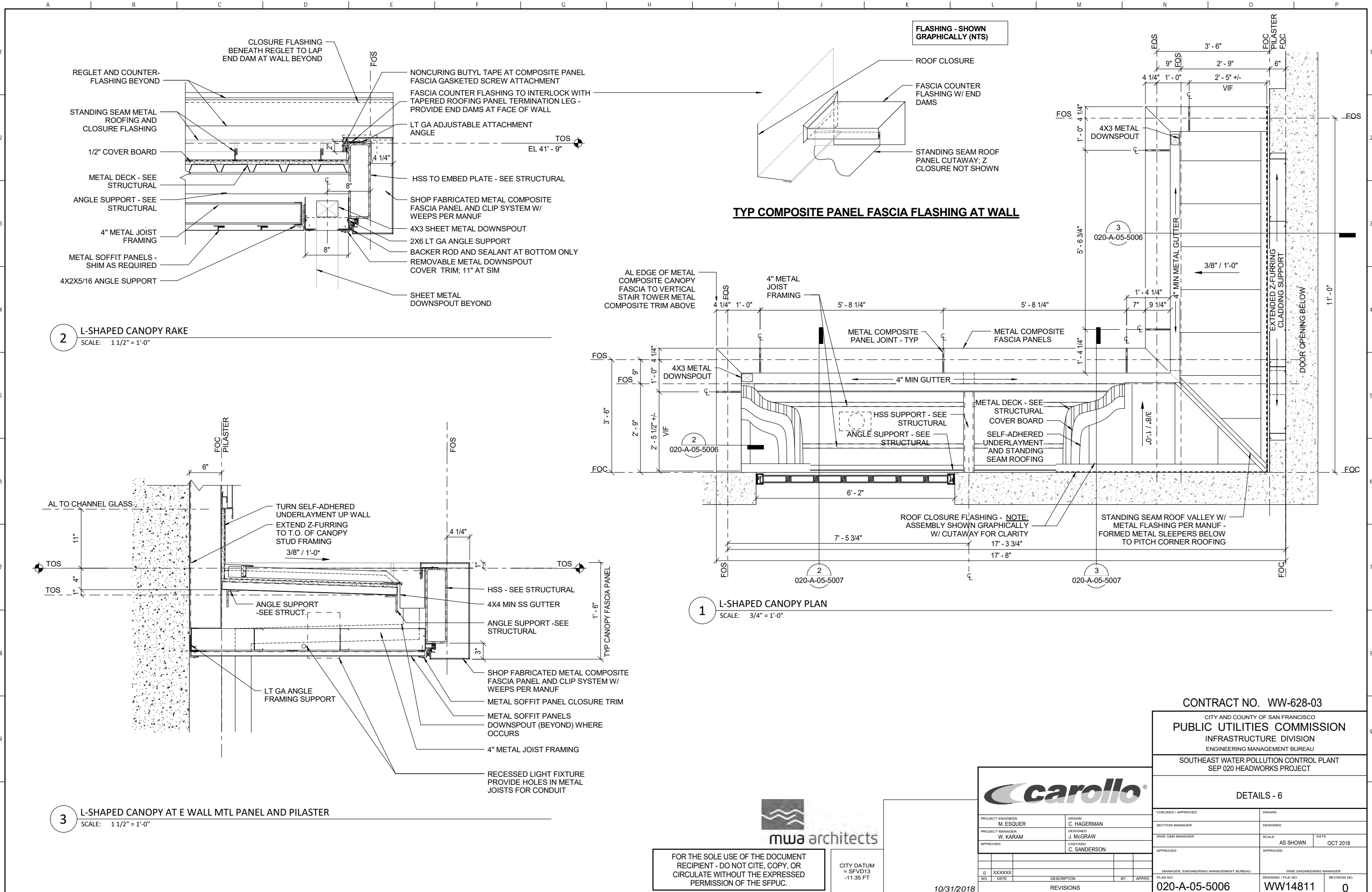
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	



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CITY DATUM = SFVD13  
-11.35 FT

10/31/2018



**2** L-SHAPED CANOPY RAKE  
SCALE: 1 1/2" = 1'-0"

**1** L-SHAPED CANOPY PLAN  
SCALE: 3/4" = 1'-0"

**3** L-SHAPED CANOPY AT E WALL MTL PANEL AND PILASTER  
SCALE: 1 1/2" = 1'-0"

**TYP COMPOSITE PANEL FASCIA FLASHING AT WALL**

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

DETAILS - 6

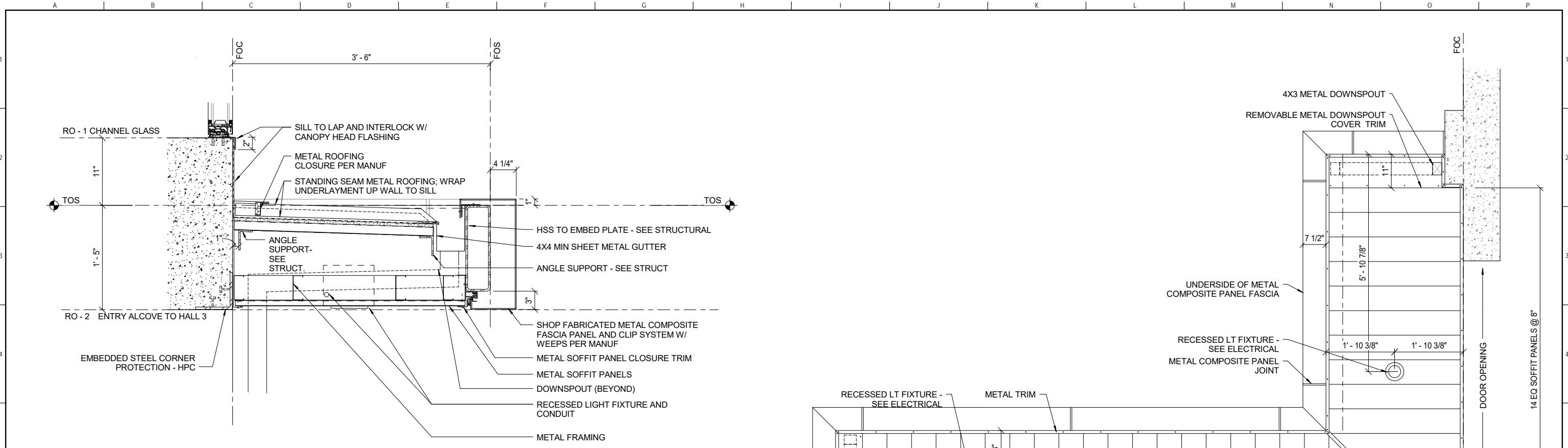
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN C. HAGERMAN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON
0 XXXXXX	
NO. DATE	DESCRIPTION BY APPR
REVISIONS	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-05-5006</b>	DRAWING / FILE NO. <b>WW14811</b>
REVISION NO. <b>0</b>	

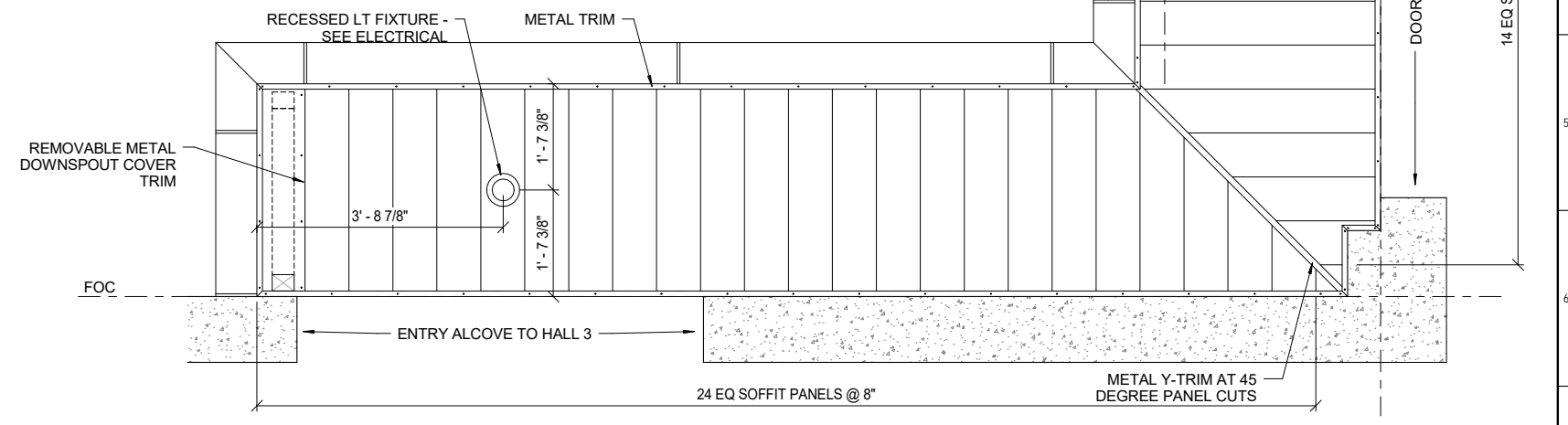
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CITY DATUM = SFVD13 -11.35 FT

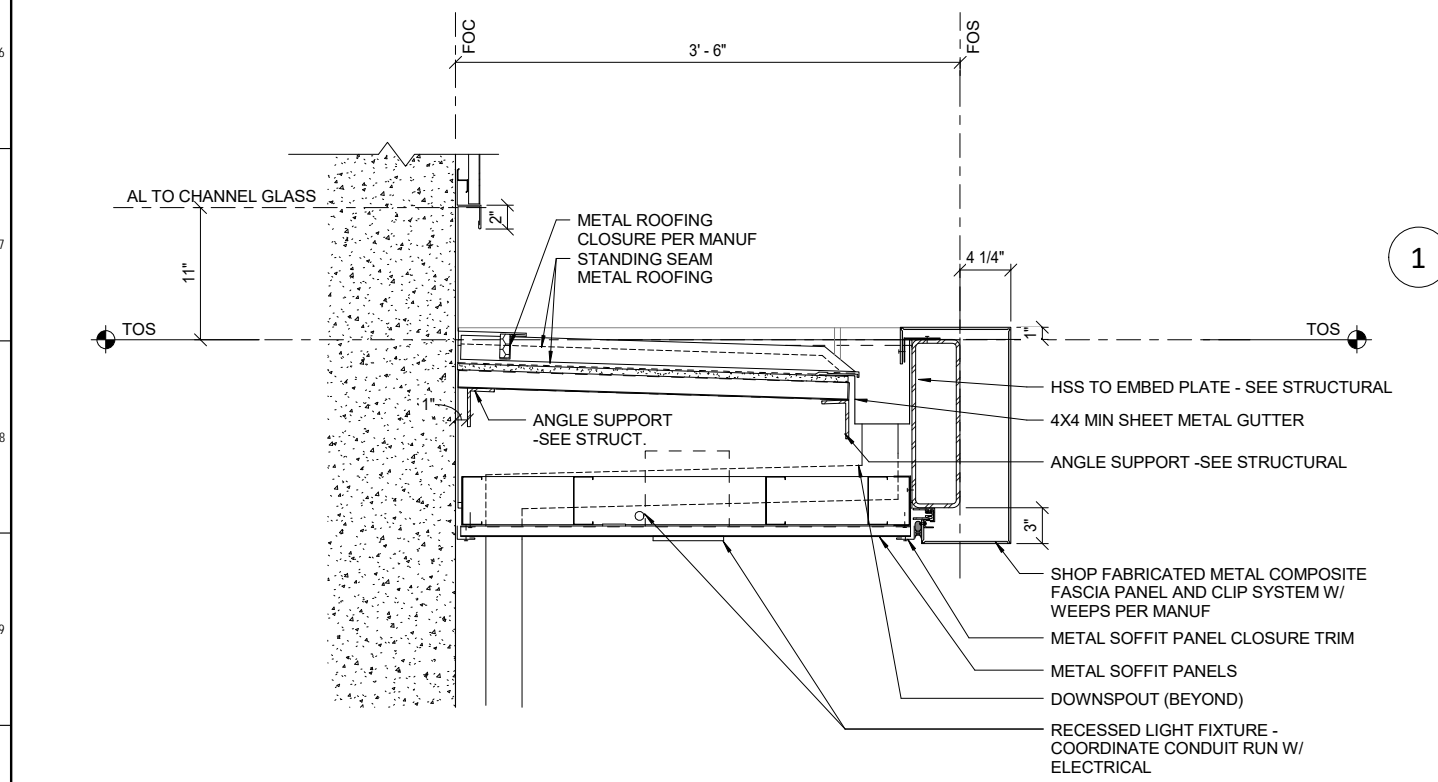
10/31/2018



**2** L-SHAPED CANOPY SECTION AT N WALL AND CHANNEL GLASS  
SCALE: 1 1/2" = 1'-0"



**1** L-SHAPED CANOPY AT SCREENINGS RCP  
SCALE: 3/4" = 1'-0"



**3** L-SHAPED CANOPY SECTION AT N WALL AND MTL PANEL  
SCALE: 1 1/2" = 1'-0"

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

DETAILS - 7

**carollo**

PROJECT ENGINEER M. ESQUER	DRAWN C. HAGERMAN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON

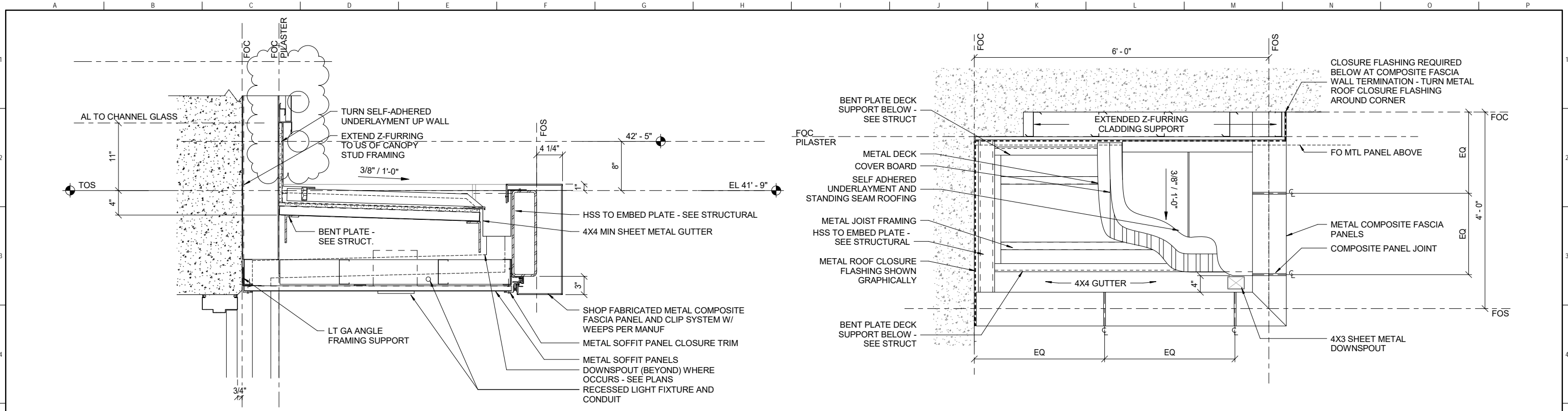
CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER

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CITY DATUM = SFVD13  
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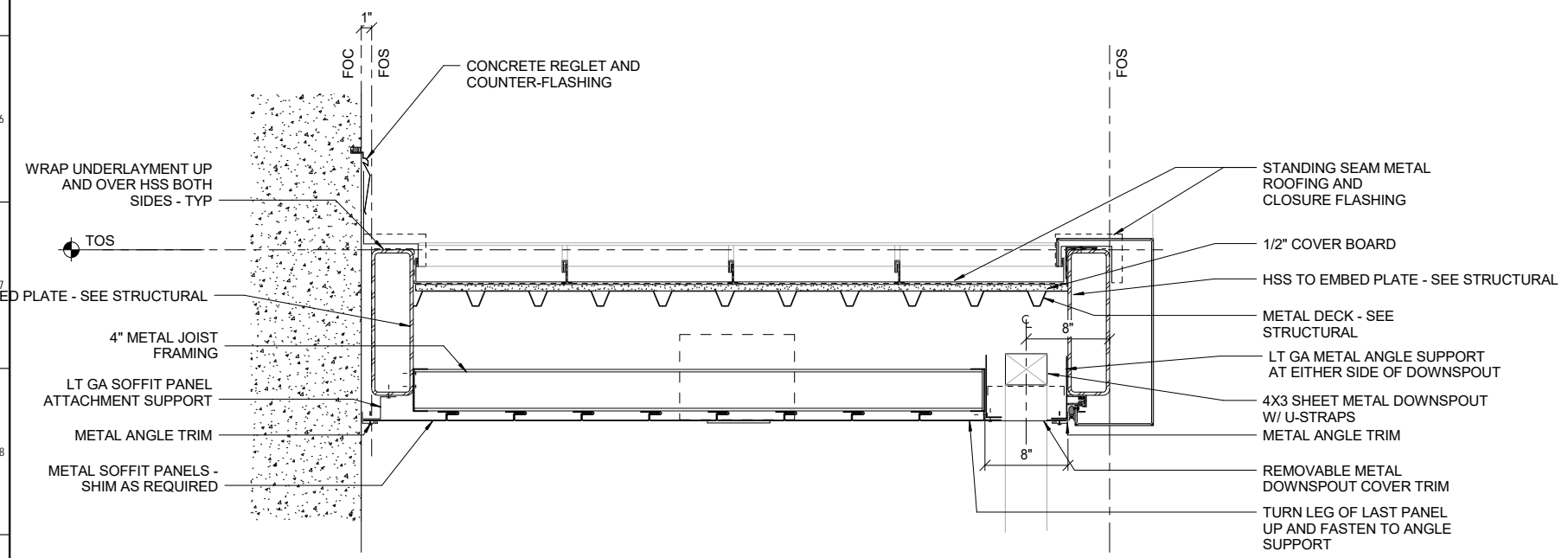
10/31/2018

PLAN NO. <b>020-A-05-5007</b>	DRAWING / FILE NO. <b>WW14812</b>	REVISION NO. <b>0</b>
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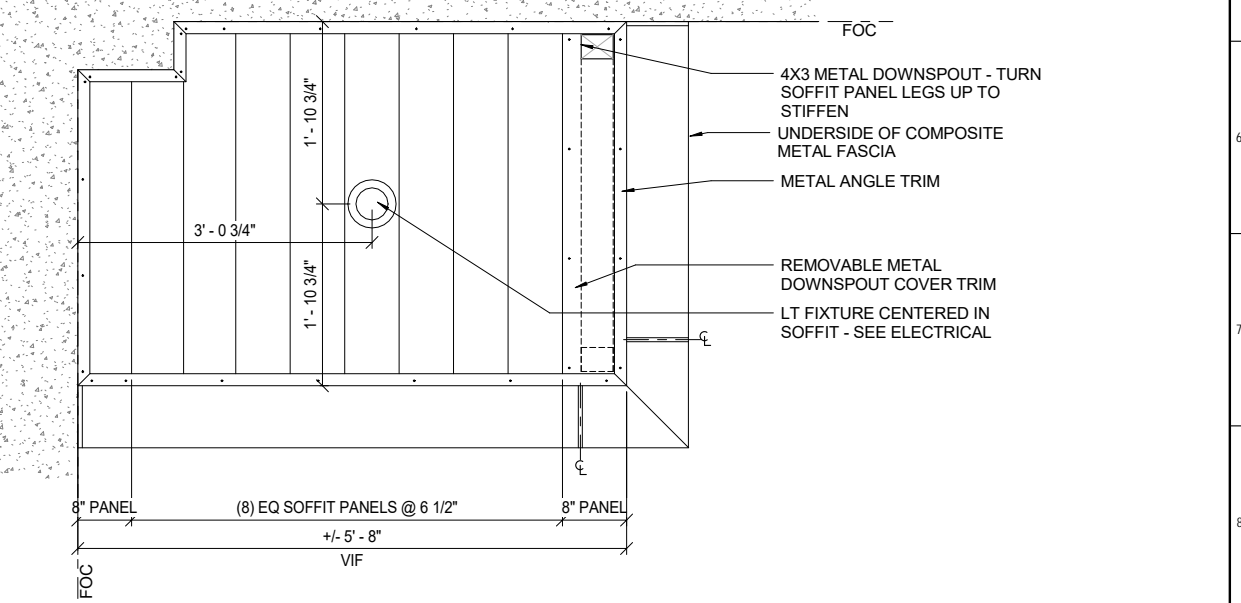


**3** CANOPY SECTION AT SCREENINGS EAST  
SCALE: 1 1/2" = 1'-0"

**1** CANOPY PLAN AT SCREENINGS EAST  
SCALE: 1" = 1'-0"



**4** CANOPY RAKE TO WALL AT SCREENINGS EAST  
SCALE: 1 1/2" = 1'-0"



**2** CANOPY RCP AT SCREENINGS EAST  
SCALE: 1" = 1'-0"

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

DETAILS - 8

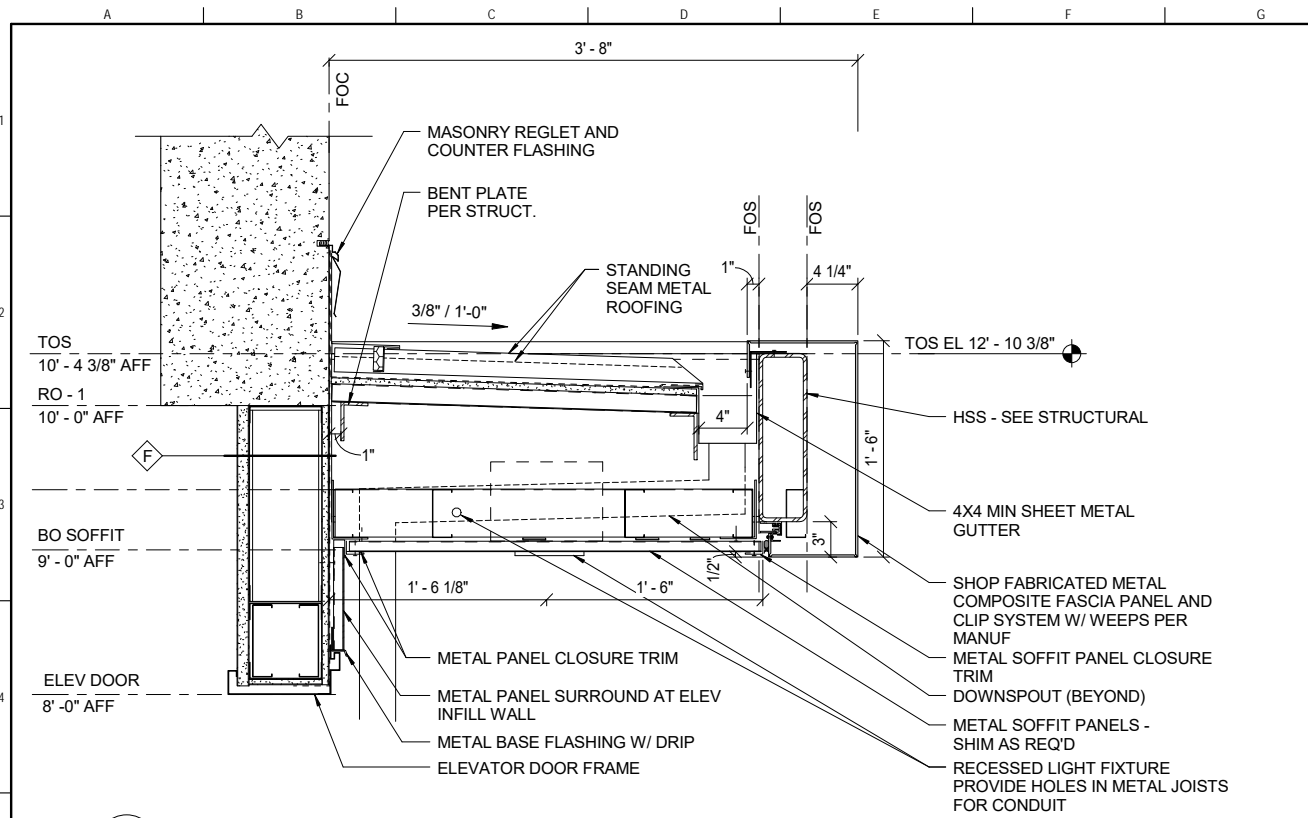
PROJECT ENGINEER M. ESQUER	DRAWN C. HAGERMAN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
NO.	DATE
0	10/31/2018
Revision 1	
DESCRIPTION	BY
REVISIONS	APPRD

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-05-5008	DRAWING / FILE NO. WW14813
REVISION NO. 0	

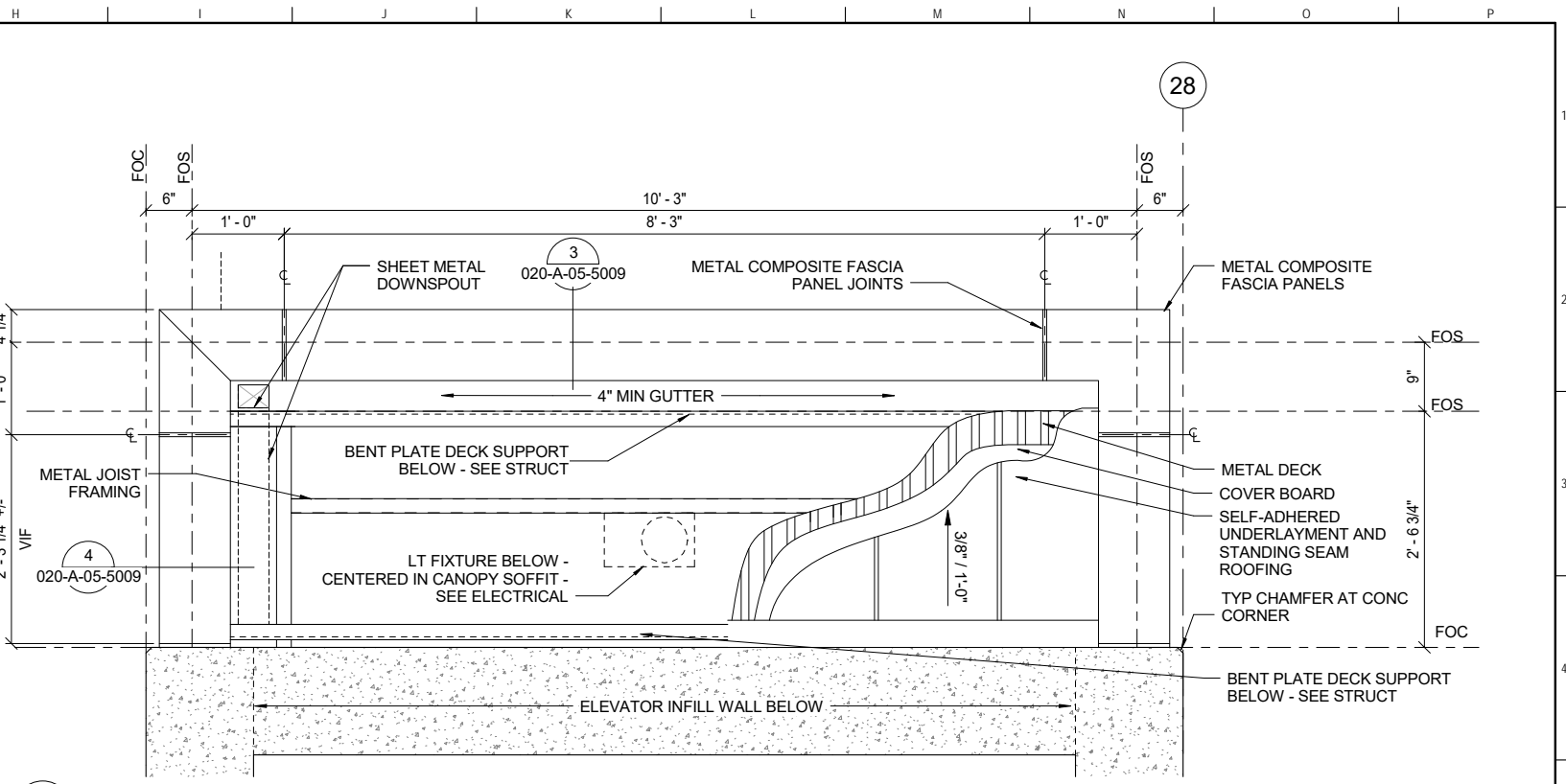
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CITY DATUM = SFVD13 -11.35 FT

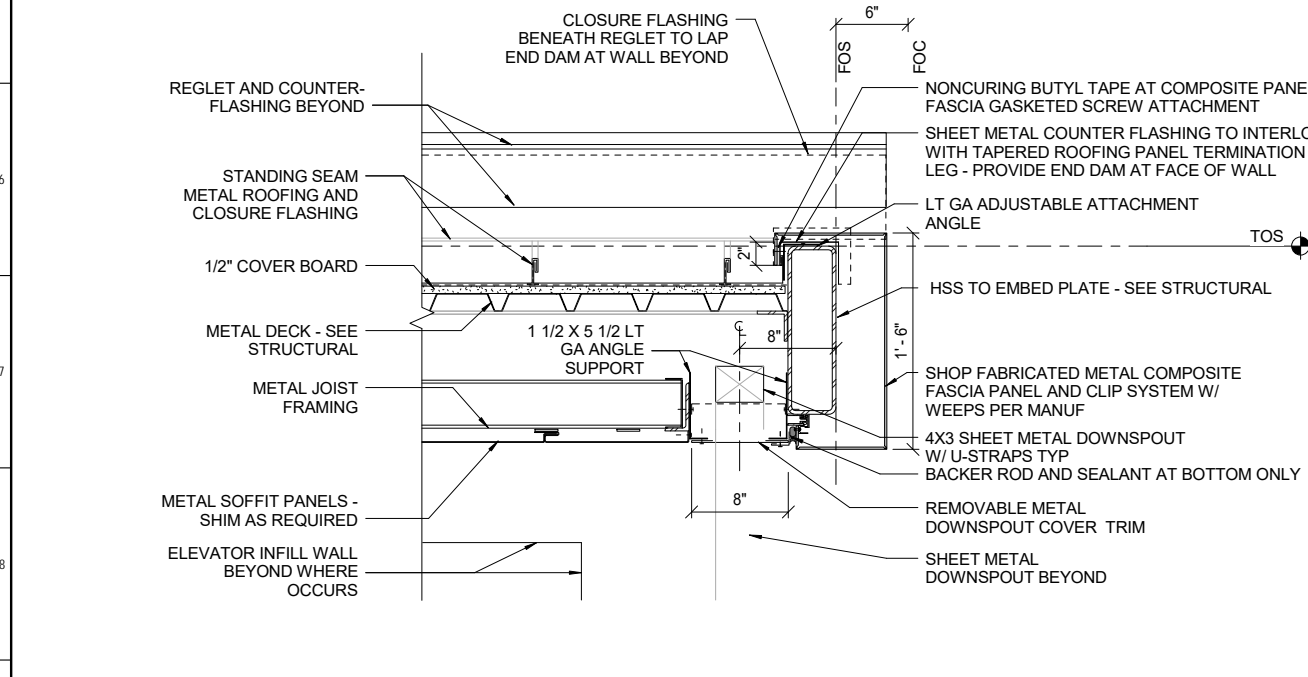
10/31/2018



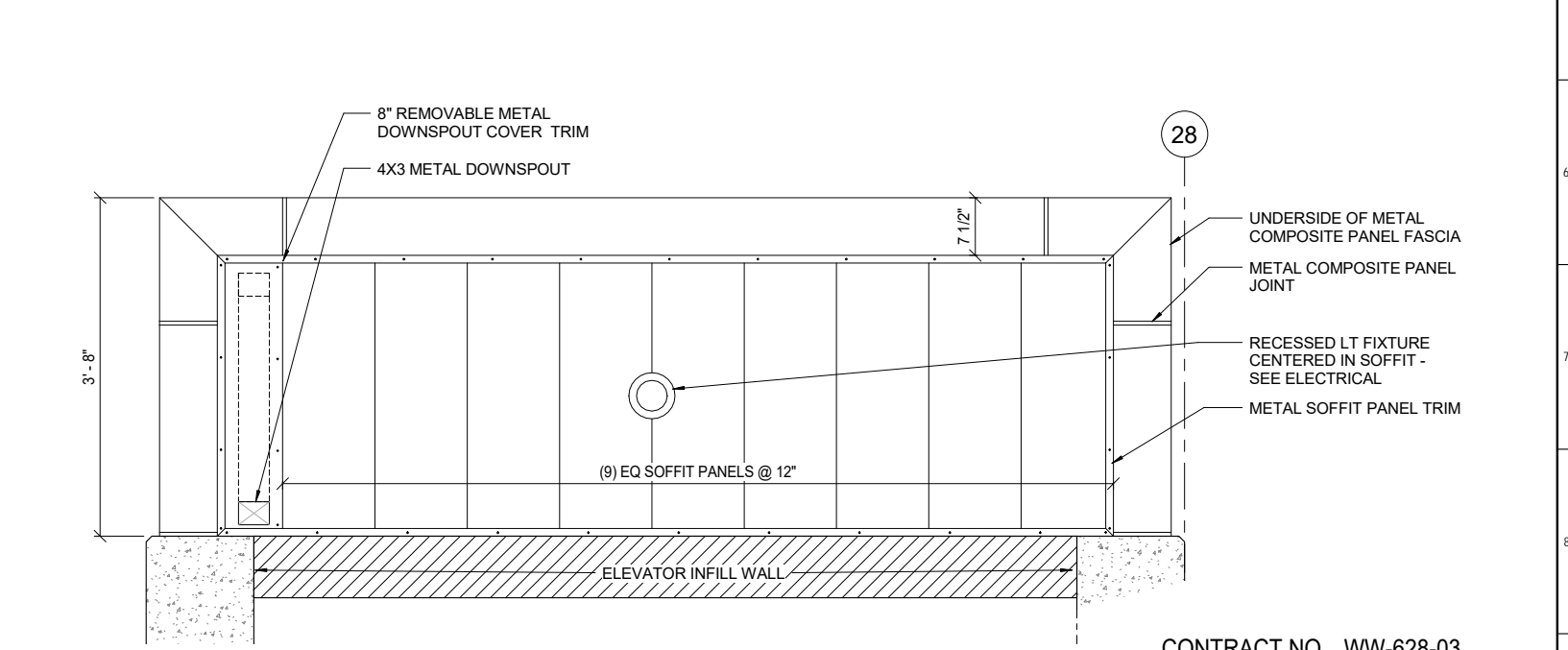
**3 CANOPY SECTION AT GRIT HANDLING**  
SCALE: 1 1/2" = 1'-0"



**1 CANOPY PLAN AT GRIT HANDLING**  
SCALE: 1" = 1'-0"



**4 CANOPY RAKE AT GRIT HANDLING**  
SCALE: 1 1/2" = 1'-0"



**2 CANOPY RCP AT GRIT HANDLING**  
SCALE: 1" = 1'-0"

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

DETAILS - 9

<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN C. HAGERMAN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
0 XXXXXX	
NO. DATE	DESCRIPTION BY APPR
REVISIONS	

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-05-5009</b>	DRAWING / FILE NO. <b>WW14814</b>
	REVISION NO. <b>0</b>

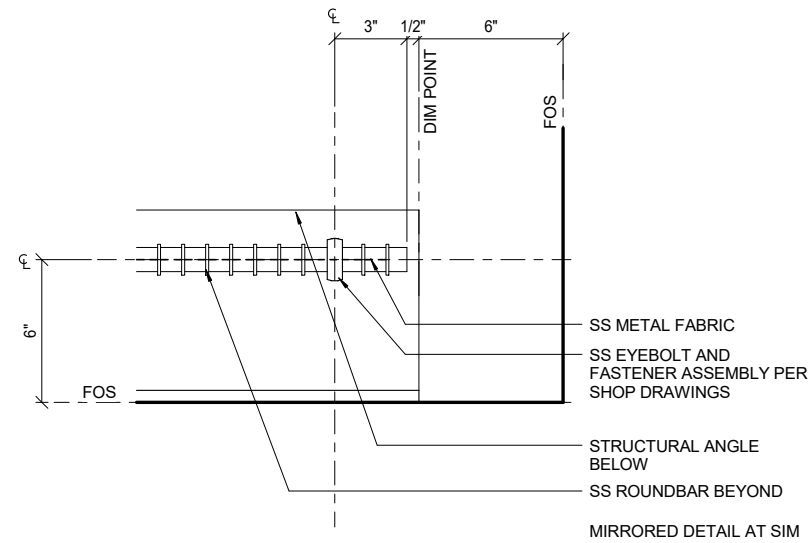
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CITY DATUM = SFVD13 -11.35 FT

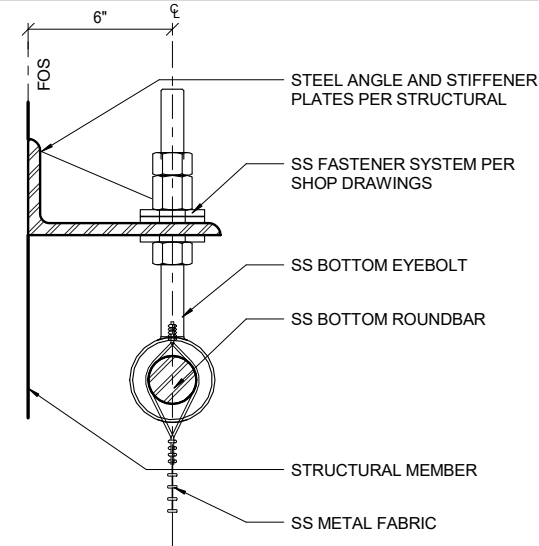
10/31/2018



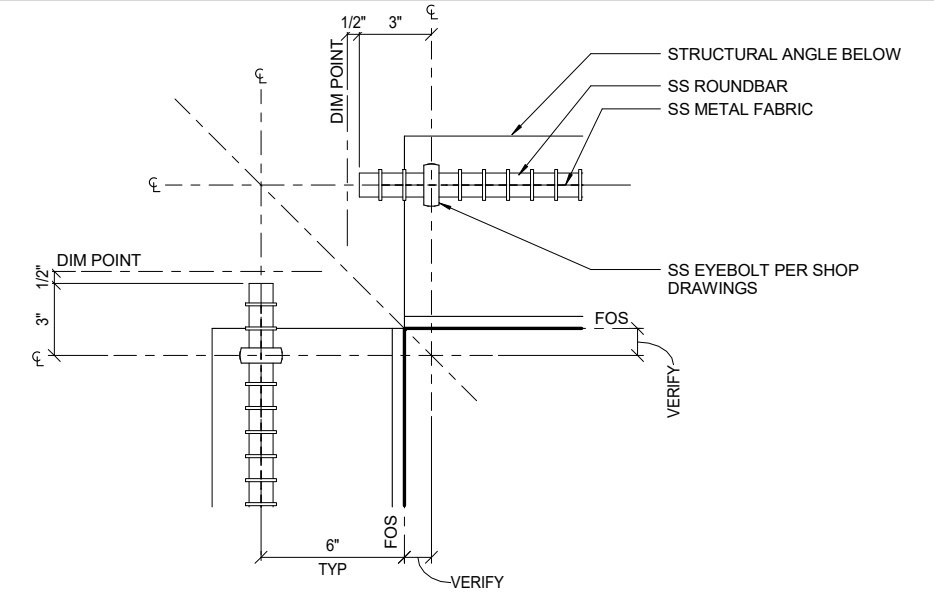
**7 METAL FABRIC TYP TERMINATION AT GRIT ELEVATOR WALL**  
SCALE: 3" = 1'-0"



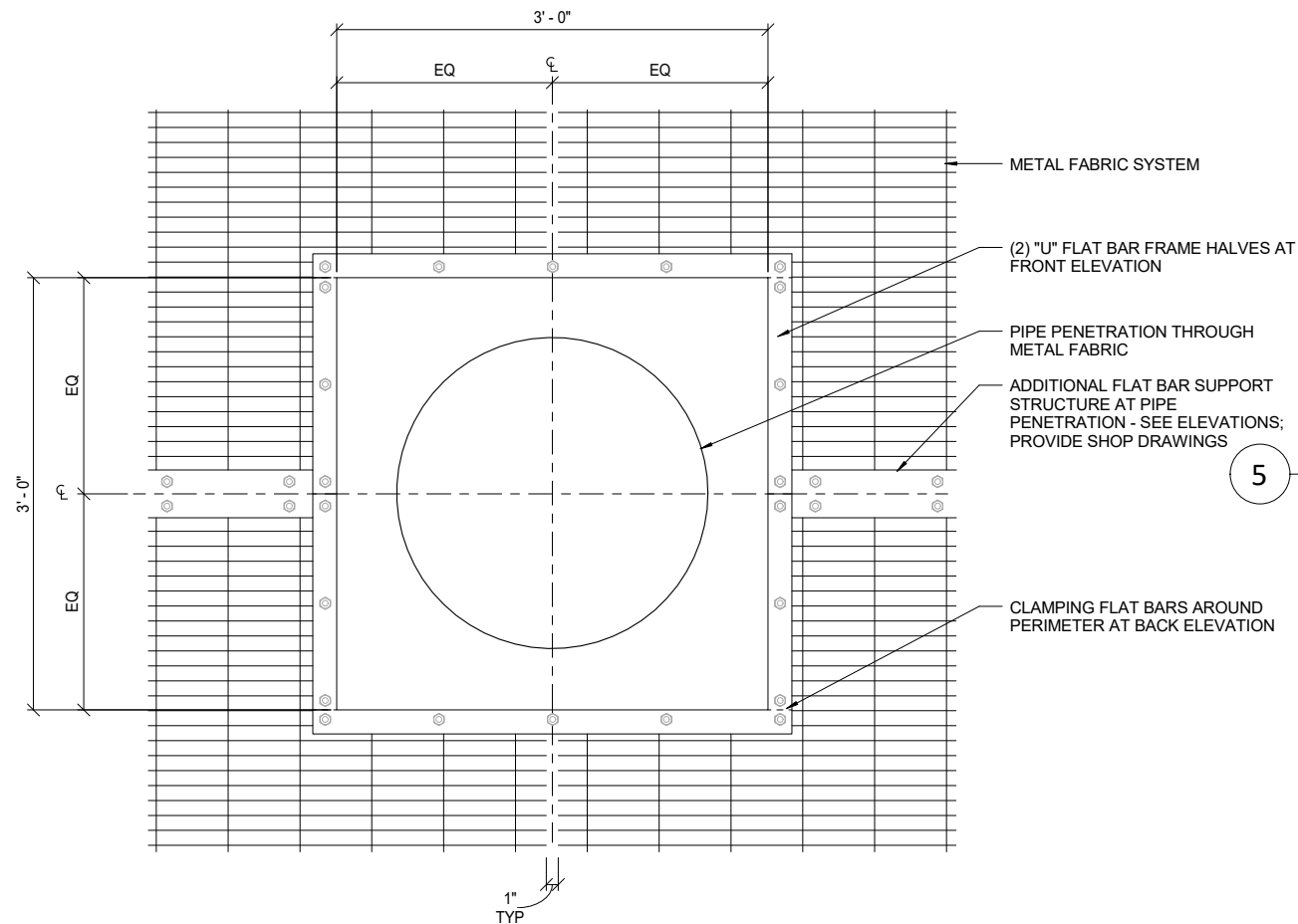
**4 METAL FABRIC AT TOP**  
SCALE: 3" = 1'-0"



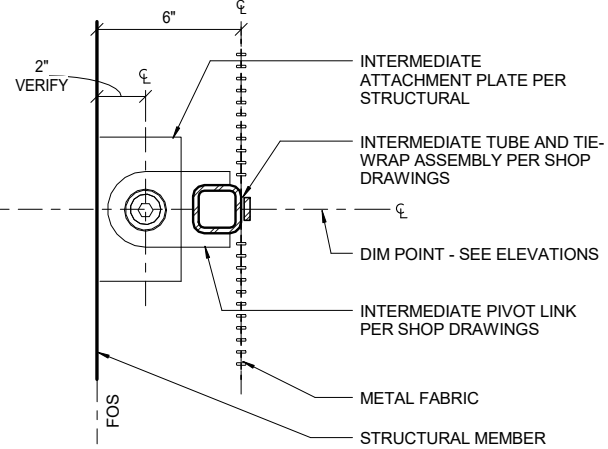
**1 METAL FABRIC CORNER**  
SCALE: 3" = 1'-0"



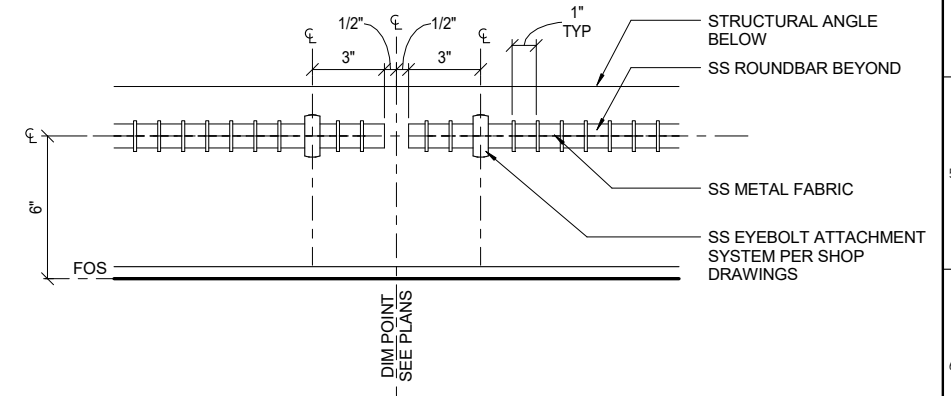
**8 PIPE PENETRATION AT GRIT STAIRS METAL FABRIC**  
SCALE: 1 1/2" = 1'-0"



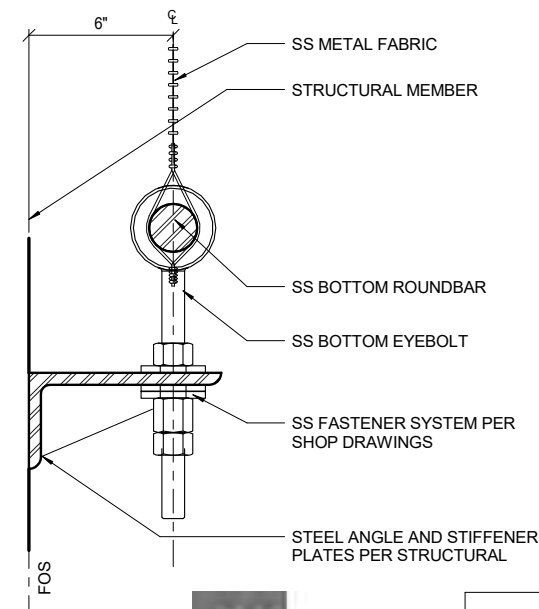
**5 METAL FABRIC AT INTERMEDIATE LINK**  
SCALE: 3" = 1'-0"



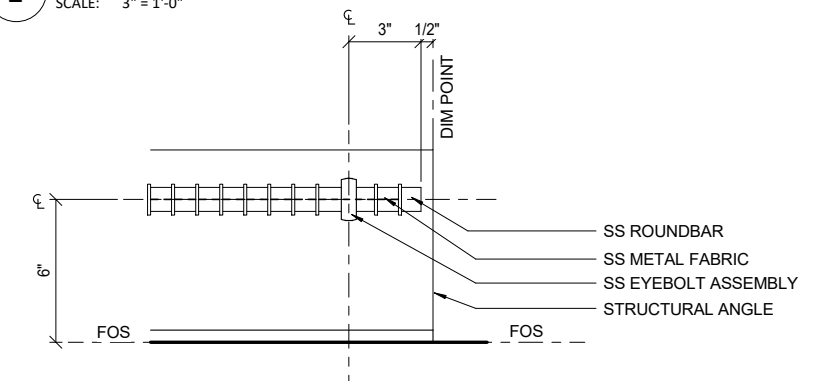
**2 METAL FABRIC JOINT**  
SCALE: 3" = 1'-0"



**6 METAL FABRIC AT BOTTOM**  
SCALE: 3" = 1'-0"



**3 METAL FABRIC TYP TERMINATION**  
SCALE: 3" = 1'-0"



CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

SEP 017  
DETAILS - 10

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-05-5010	DRAWING / FILE NO. WW14815
	REVISION NO. 0

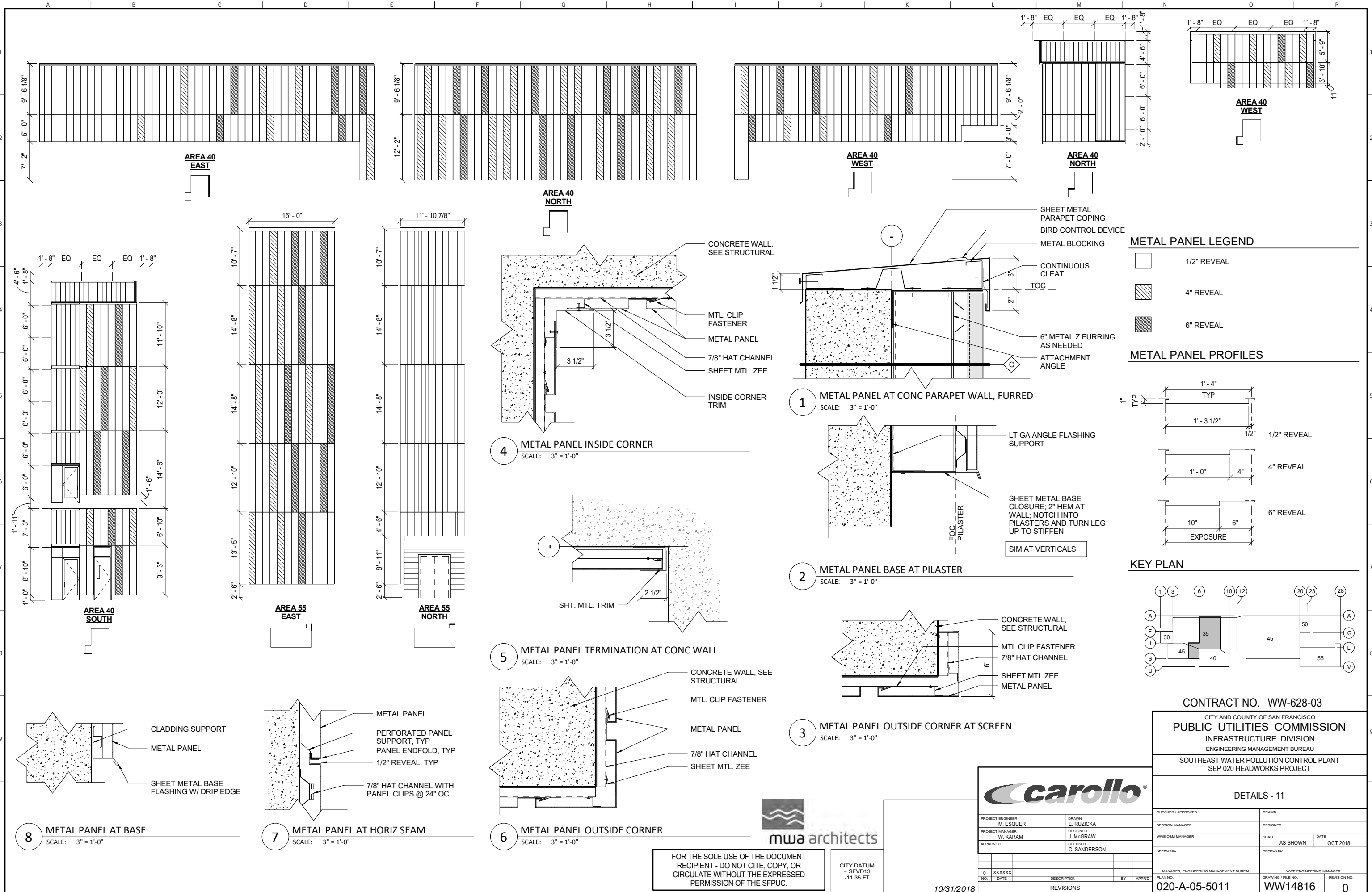
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN N. CARDEN
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

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CITY DATUM  
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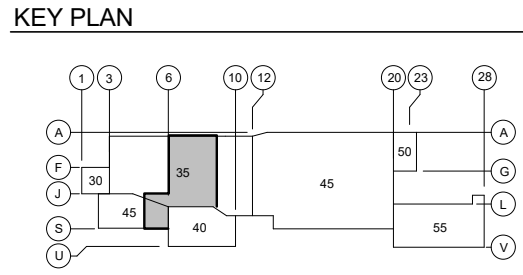
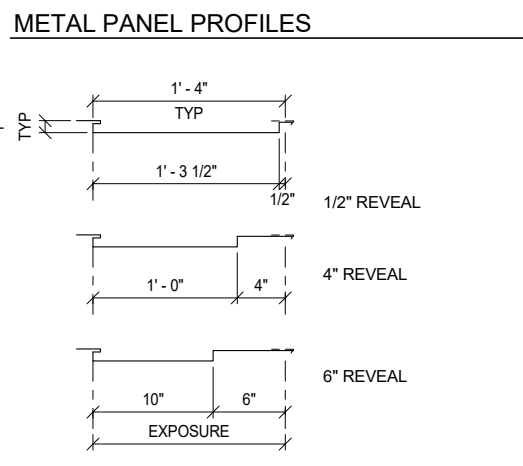
10/31/2018





**METAL PANEL LEGEND**

[White Box]	1/2" REVEAL
[Diagonal Hatching]	4" REVEAL
[Cross-hatching]	6" REVEAL



CONTRACT NO. WW-628-03  
 CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
 INFRASTRUCTURE DIVISION  
 ENGINEERING MANAGEMENT BUREAU  
 SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

**DETAILS - 11**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-05-5011	DRAWING / FILE NO. WW14816
	REVISION NO. 0

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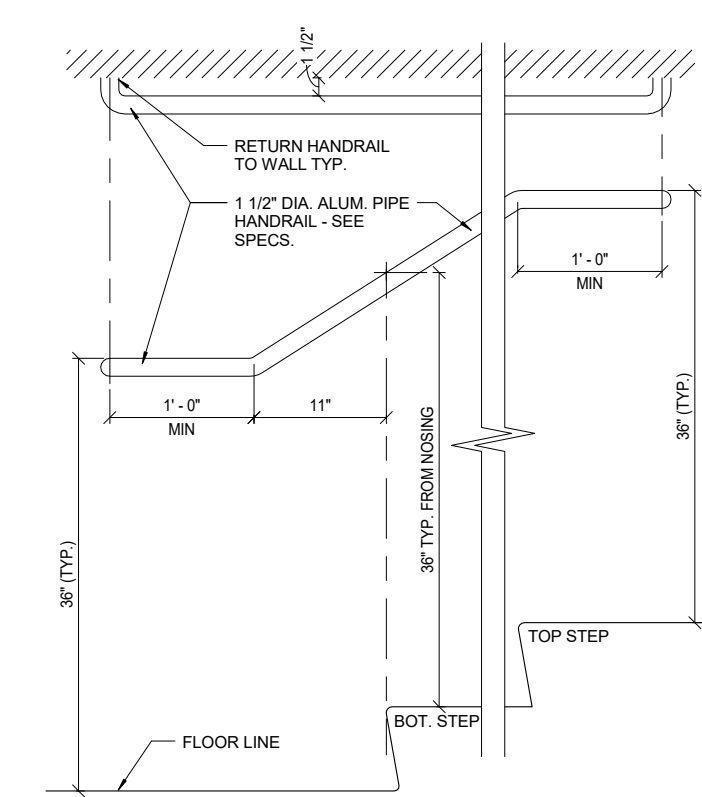
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON



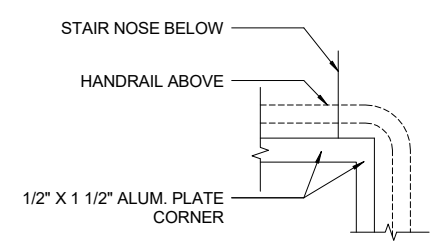
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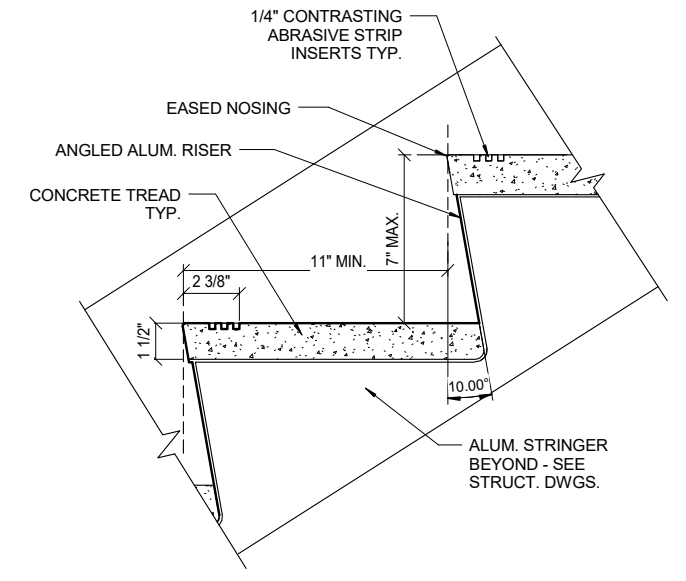
10/31/2018



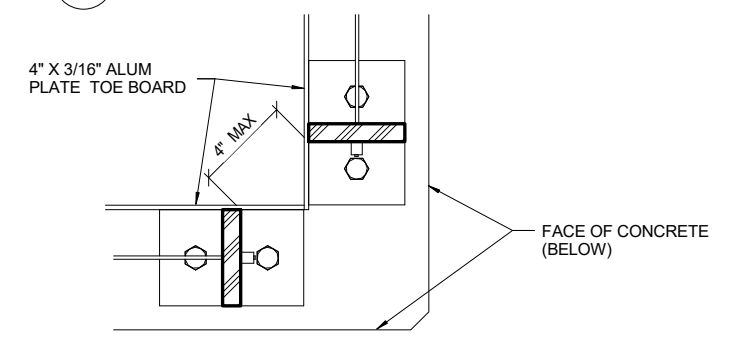
**6 WALL MOUNTED RAILING CLEARANCES**  
SCALE: 1 1/2" = 1'-0"



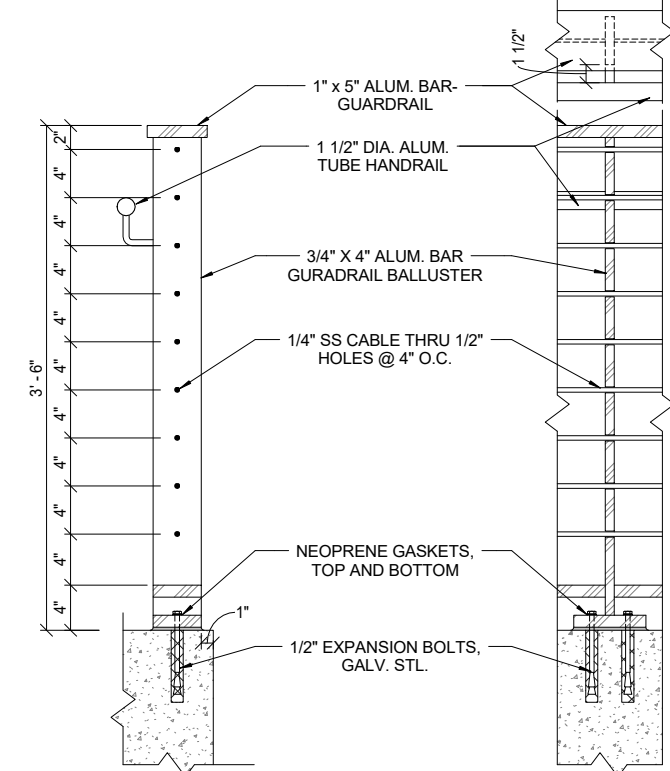
**4 CABLE GUARDRAIL AT ALUM. STAIR**  
SCALE: 1 1/2" = 1'-0"



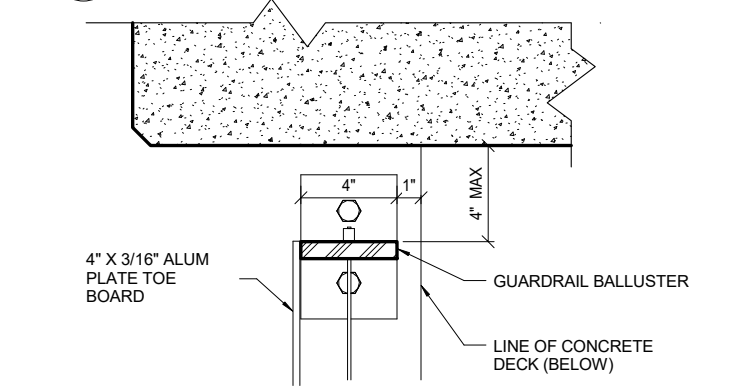
**1 STAIR TREAD - NOSING**  
SCALE: 3" = 1'-0"



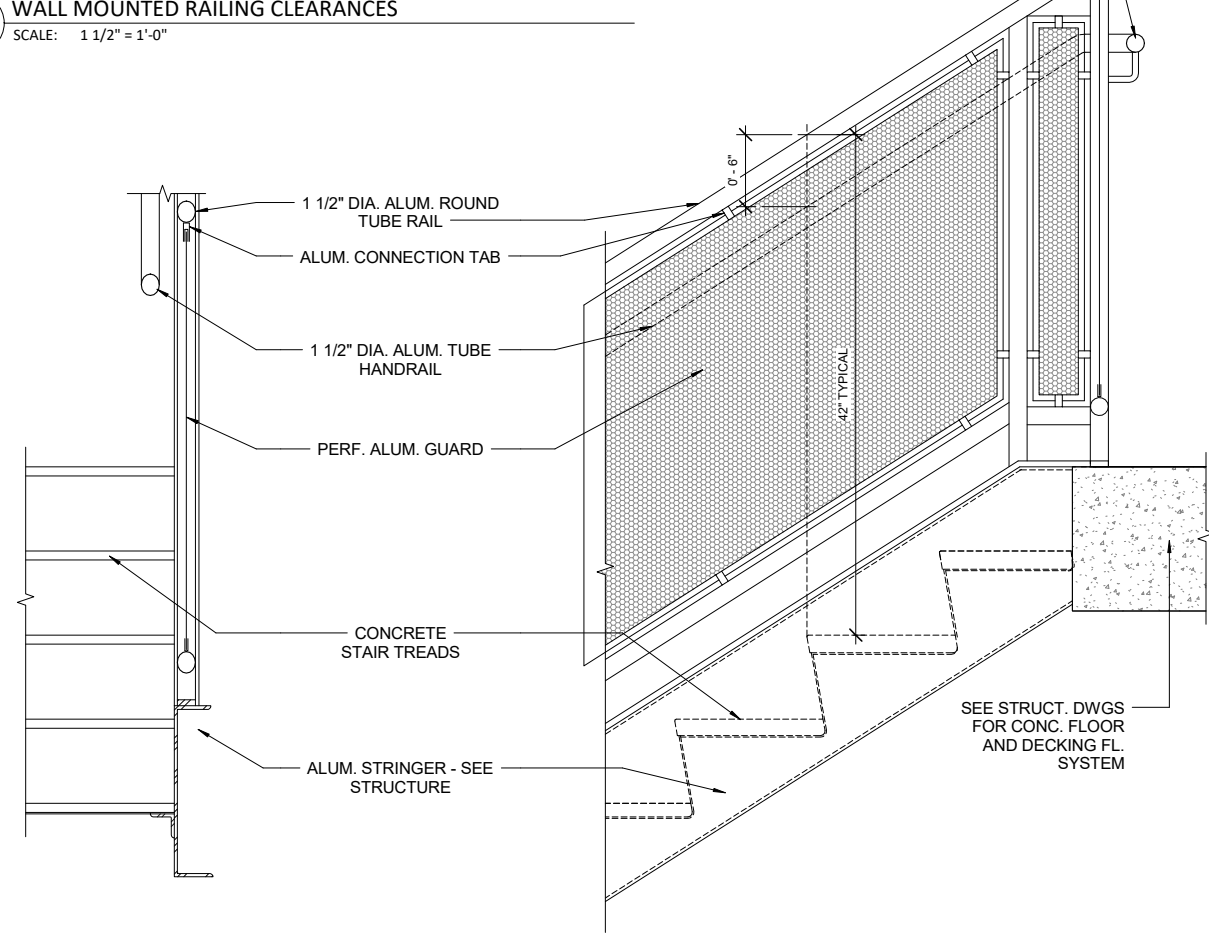
**2 WIRE ROPE RAILING BALLUSTER AT CORNER**  
SCALE: 3" = 1'-0"



**5 CABLE GUARDRAIL AT CONCRETE**  
SCALE: 1 1/2" = 1'-0"



**3 WIRE ROPE RAILING BALLUSTER AT WALL**  
SCALE: 3" = 1'-0"



**7 STAIR 1 DETAILS**  
SCALE: 1 1/2" = 1'-0"

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

DETAILS - 12

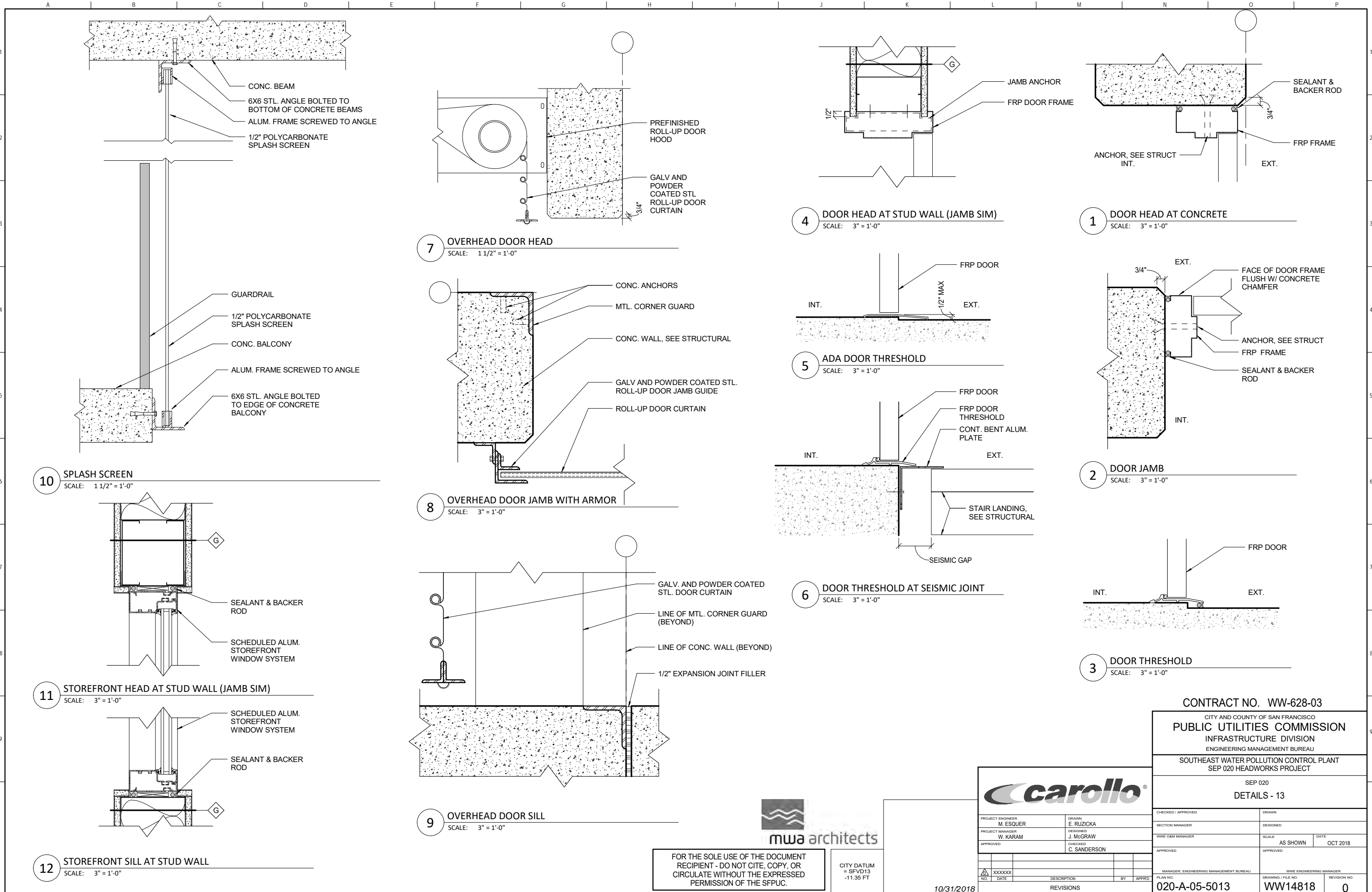
<b>carollo</b>	
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED C. SANDERSON	CHECKED C. SANDERSON
0	XXXXXX
NO.	DATE
DESCRIPTION	BY
REVISIONS	APPRD

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE
APPROVED	DATE
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. <b>020-A-05-5012</b>	DRAWING / FILE NO. <b>WW14817</b>
REVISION NO.	<b>0</b>

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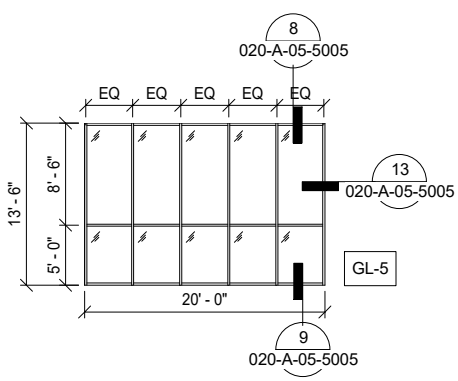
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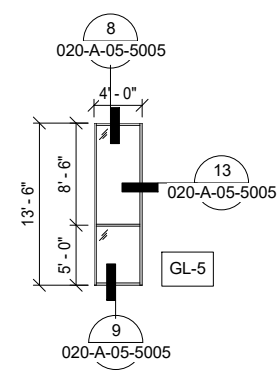
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PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD
REVISIONS	

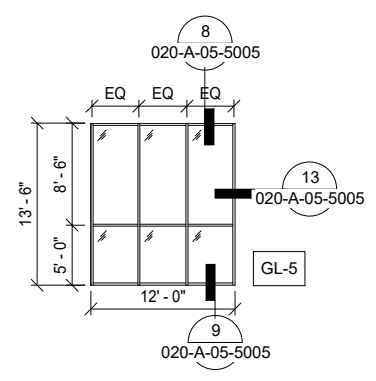
CONTRACT NO. WW-628-03			
CITY AND COUNTY OF SAN FRANCISCO PUBLIC UTILITIES COMMISSION INFRASTRUCTURE DIVISION ENGINEERING MANAGEMENT BUREAU			
SOUTHEAST WATER POLLUTION CONTROL PLANT SEP 020 HEADWORKS PROJECT			
SEP 020 DETAILS - 13			
CHECKED / APPROVED	DRAWN		
SECTION MANAGER	DESIGNED		
WWE O&M MANAGER	SCALE	AS SHOWN	DATE
			OCT 2018
APPROVED	APPROVED		
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER		
PLAN NO.	DRAWING / FILE NO.	REVISION NO.	
020-A-05-5013	WW14818	0	



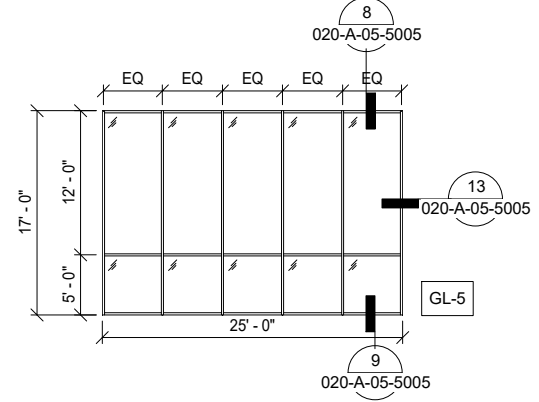
**1 CURTAIN WALL @ SCREENINGS HANDLING**  
SCALE: 1/8" = 1'-0"



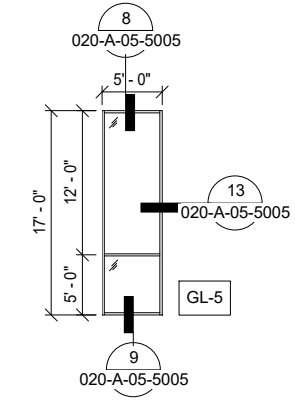
**2 CURTAIN WALL @ SCREENINGS HANDLING**  
SCALE: 1/8" = 1'-0"



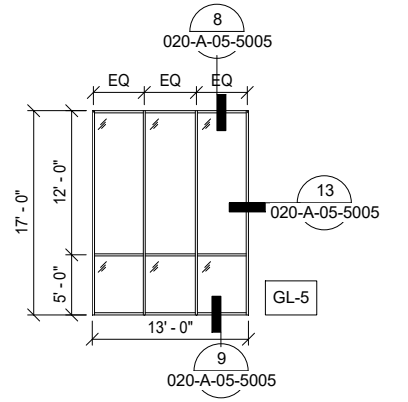
**3 CURTAIN WALL @ SCREENINGS HANDLING**  
SCALE: 1/8" = 1'-0"



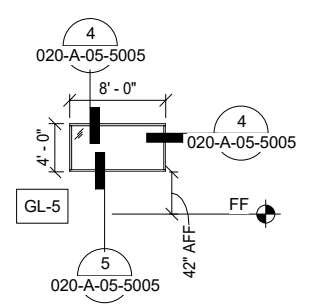
**4 CURTAIN WALL @ GRIT HANDLING**  
SCALE: 1/8" = 1'-0"



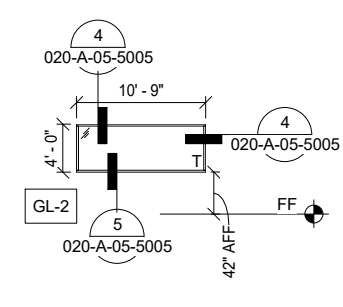
**5 CURTAIN WALL @ GRIT HANDLING**  
SCALE: 1/8" = 1'-0"



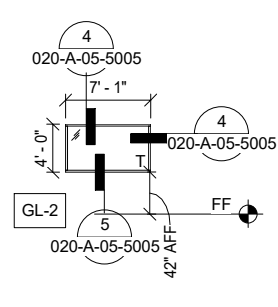
**6 CURTAIN WALL @ GRIT HANDLING**  
SCALE: 1/8" = 1'-0"



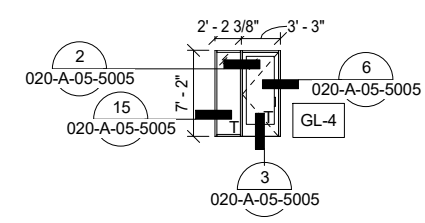
**7 STOREFRONT @ HEADWORKS ELECTRICAL**  
SCALE: 1/8" = 1'-0"



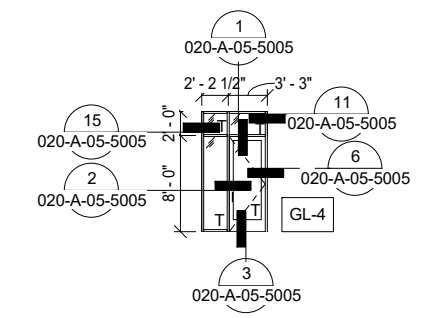
**8 STOREFRONT @ SCREENINGS HANDLING**  
SCALE: 1/8" = 1'-0"



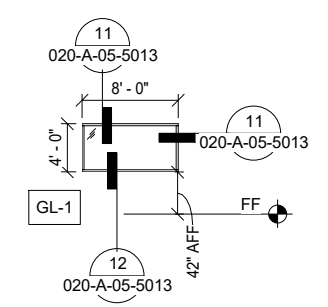
**9 STOREFRONT @ SCREENINGS HANDLING**  
SCALE: 1/8" = 1'-0"



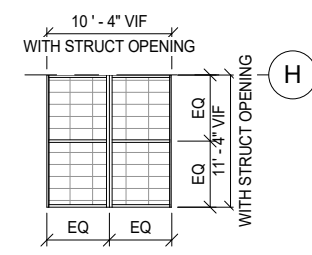
**10 STOREFRONT @ HEADWORKS ELECTRICAL**  
SCALE: 1/8" = 1'-0"



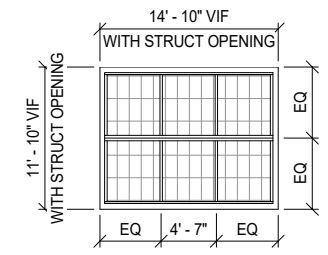
**11 STOREFRONT @ HEADWORKS ELECTRICAL**  
SCALE: 1/8" = 1'-0"



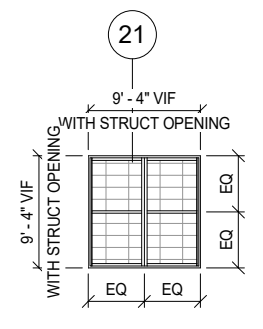
**12 STOREFRONT @ HEADWORKS ELECTRICAL**  
SCALE: 1/8" = 1'-0"



**13 TYP SKYLIGHT @ FINE SCREENING**  
SCALE: 1/8" = 1'-0"



**14 SKYLIGHT @ SCREENINGS HANDLING**  
SCALE: 1/8" = 1'-0"



**15 TYP SKYLIGHT @ GRIT HANDLING**  
SCALE: 1/8" = 1'-0"

**LEGEND**

T	TEMPERED GLASS
GL-#	GLAZING TYPE, SEE SPECS

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

**GLAZING SCHEDULE**

CHECKED / APPROVED	DRAWN	
SECTION MANAGER	DESIGNED	
WWE O&M MANAGER	SCALE	DATE
	AS SHOWN	OCT 2018
APPROVED	APPROVED	
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER	
PLAN NO.	DRAWING / FILE NO.	REVISION NO.
020-A-05-6001	WW14819	0

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PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
NO.	DATE
DESCRIPTION	BY
REVISIONS	



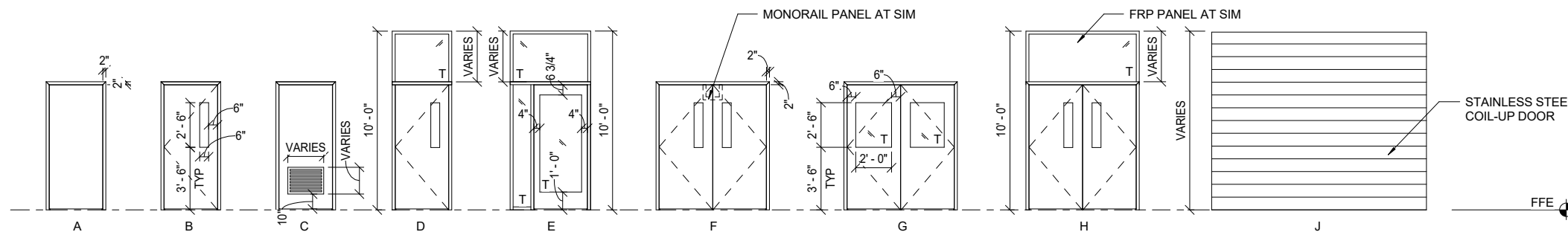
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CITY DATUM = SFVD13 -11.35 FT

10/31/2018

MARK	DOOR TYPE	DOOR SCHEDULE						GLAZING TYPE	DOOR SCHEDULE			DOOR CONTACT	NOTES
		PANEL		FRAME		FIRE RATING	HARDWARE GROUP #		KEYPAD/CARDREADER				
		WIDTH	HEIGHT	MATERIAL	FINISH					MATERIAL	FRAME FINISH		
100A	D	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	01		X	TRANSOM, 5 POUND MAX OPENING FORCE
100B	H	8'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	02		X	TRANSOM
100C	D	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	03	X		TRANSOM
101A	E	3'-0"	7'-11"	ALUM	ANODIZED	ALUM	ANODIZED	GL-4		04	X		SIDELIGHT, TRANSOM
101B	A	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	N/A		11			
102	C	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	N/A		12			2'-0" W X 1'-6" H FRP LOUVER IN DOOR, 5 POUND MAX OPENING FORCE
103A	D	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	5		X	TRANSOM
103B	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	13			
104A	D	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		06	X		TRANSOM
104B	J	12'-0"	14'-0"	GALV. STL.	POWDER COATED	GALV. STL.	POWDER COATED	N/A		20		X	
104C	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		27	X		
104D	J	12'-0"	14'-0"	GALV. STL.	POWDER COATED	GALV. STL.	POWDER COATED	N/A		20		X	
105	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		06	X		
106	H	8'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		07	X		DOUBLE DOORS; FRP LOUVERED TRANSOM
107A	F	8'-0"	9'-2"	FRP	FACTORY	FRP	FACTORY	GL-2		07	X		DOUBLE DOORS; MONORAIL OPENING W/ GASKETS
107B	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		6	X		
108A	J	13'-0"	14'-0"	GALV. STL.	POWDER COATED	GALV. STL.	POWDER COATED	N/A		20		X	
108B	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		14	X		
108C	D	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		27	X		TRANSOM
108D	J	13'-0"	14'-0"	GALV. STL.	POWDER COATED	GALV. STL.	POWDER COATED	N/A		20		X	
109A	D	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		28			
109B	H	8'-0"	7'-10"	FRP	FACTORY	FRP	FACTORY	GL-2		23		X	DOUBLE DOORS; REMOVABLE FRP TRANSOM
110A	H	6'-4"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	24		X	DOUBLE DOORS; REMOVABLE FRP TRANSOM
110B	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	25			
200A	H	8'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	02		X	DOUBLE DOORS, TRANSOM
201A	E	3'-0"	7'-0"	ALUM	ANODIZED	ALUM	ANODIZED	GL-4		08	X		SIDELIGHT, NO TRANSOM
201B	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	15	X		
202	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	19			
203A	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		09	X		
203B	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		06	X		
204A	D	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		29	X		TRANSOM
204B	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	29	X		
300	A	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	N/A	90 MIN	30	X		
301	A	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	N/A	90 MIN	30	X		
302	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		14	X		
303	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		18			
303A	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		21			
304	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	19			
305A	D	6'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		16		X	DOUBLE DOORS
305B	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		26	X		
305C	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		26	X		
305D	B	3'-0"	8'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		26	X		
305E	G	7'-8"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		22			DOUBLE DOORS
306A	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	30	X		
306B	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	30	X		
307	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		30	X		
308	A	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	N/A	45 MIN	28			
309	J	13'-0"	14'-0"	GALV. STL.	POWDER COATED	GALV. STL.	POWDER COATED	N/A		20			
400	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-2		10	X		
401	A	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	N/A		14			1'-6" W X 1'-6" H FRP LOUVER IN DOOR
402	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	19	X		
500	B	3'-0"	7'-0"	FRP	FACTORY	FRP	FACTORY	GL-6	45 MIN	27			

**NOTE:**  
FIRE RATED STAIR WELL & LOBBY  
DOORS SHALL HAVE 15 POUND MAX  
DOOR OPENING FORCE UNO



**DOOR ELEVATIONS**  
SCALE: 1/4" = 1'-0"

**LEGEND**  
T TEMPERED GLASS  
GL.# GLAZING TYPE, SEE SPECS

CONTRACT NO. WW-628-03  
CITY AND COUNTY OF SAN FRANCISCO  
**PUBLIC UTILITIES COMMISSION**  
INFRASTRUCTURE DIVISION  
ENGINEERING MANAGEMENT BUREAU  
SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT  
SEP 020  
**DOOR SCHEDULE**

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
DATE	OCT 2018
APPROVED	APPROVED
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-05-6002	DRAWING / FILE NO. WW14820
REVISIONS	REVISION NO. 0

**carollo**

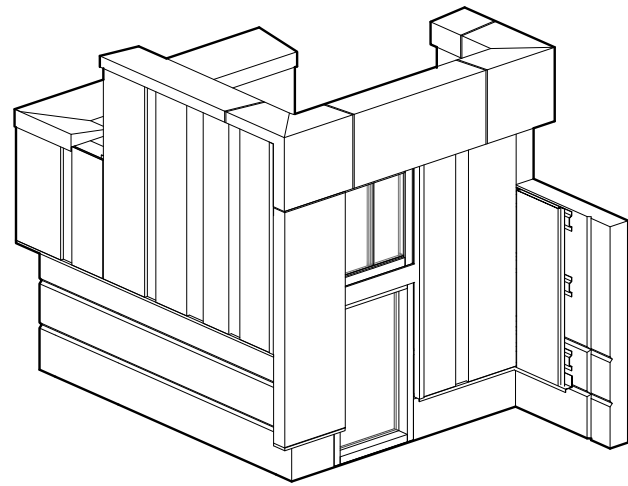
PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
DATE	DESCRIPTION
BY	APPRD

10/31/2018

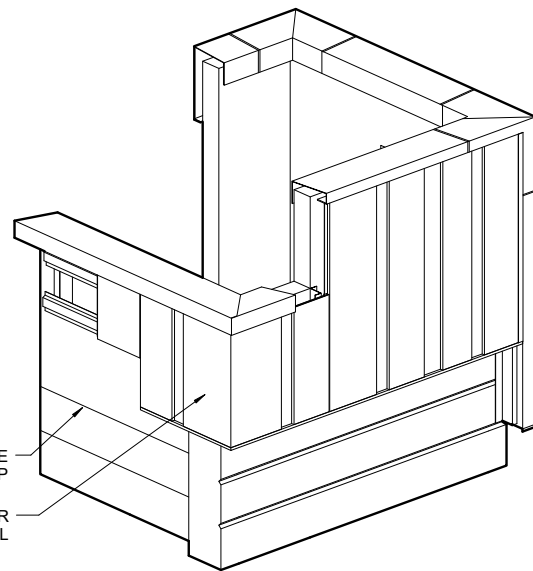


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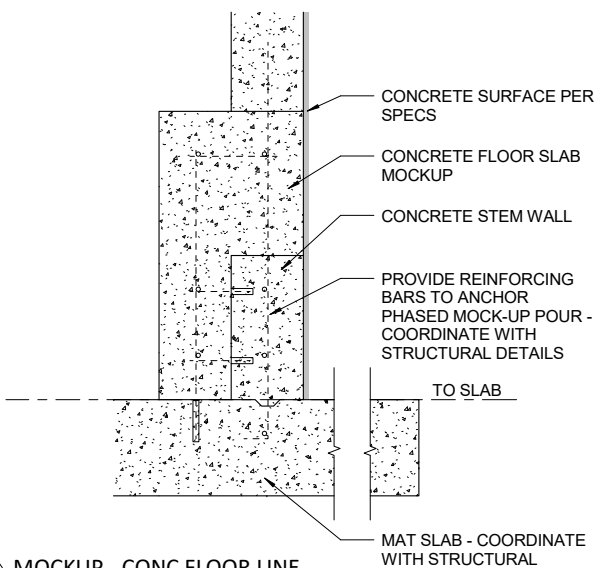
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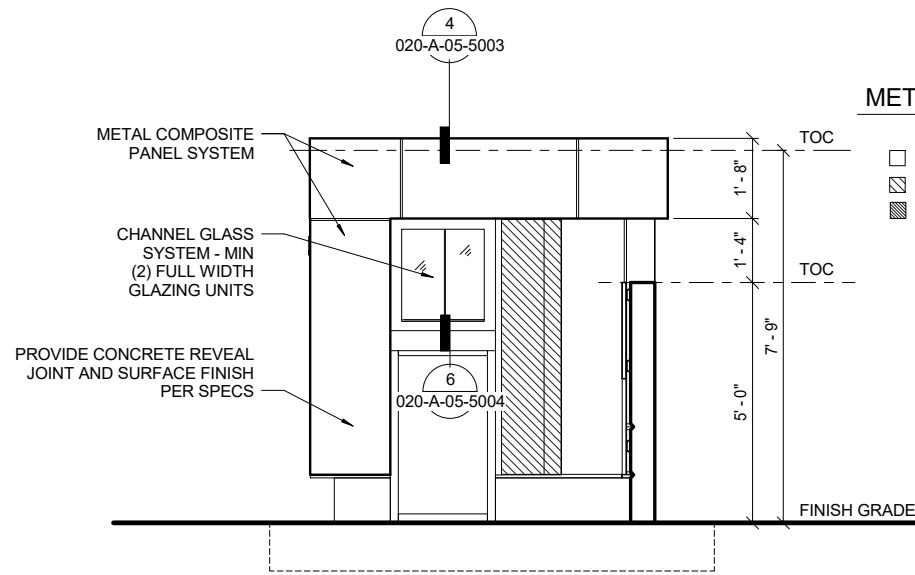
MOCKUP - SW CORNER



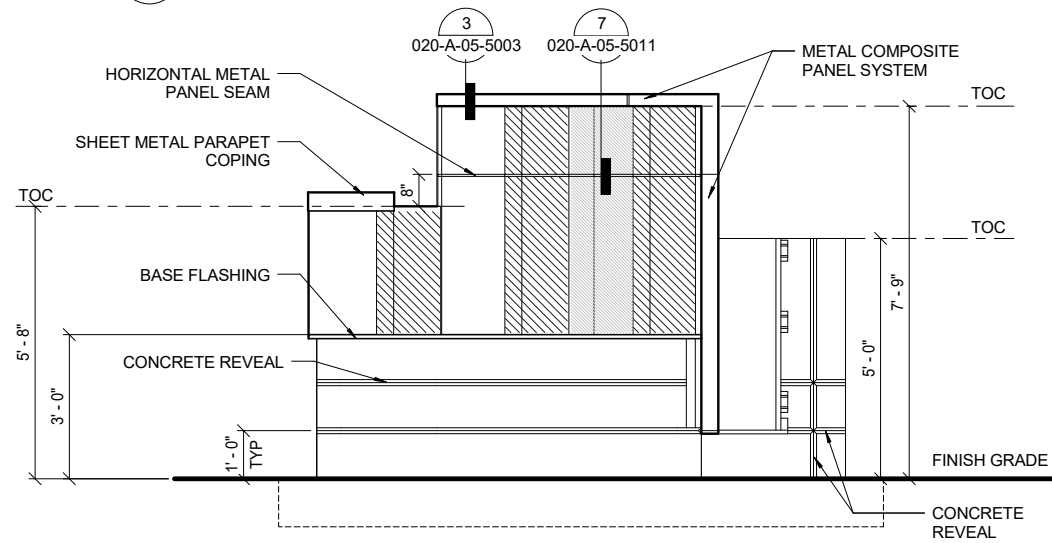
MOCKUP - NW CORNER



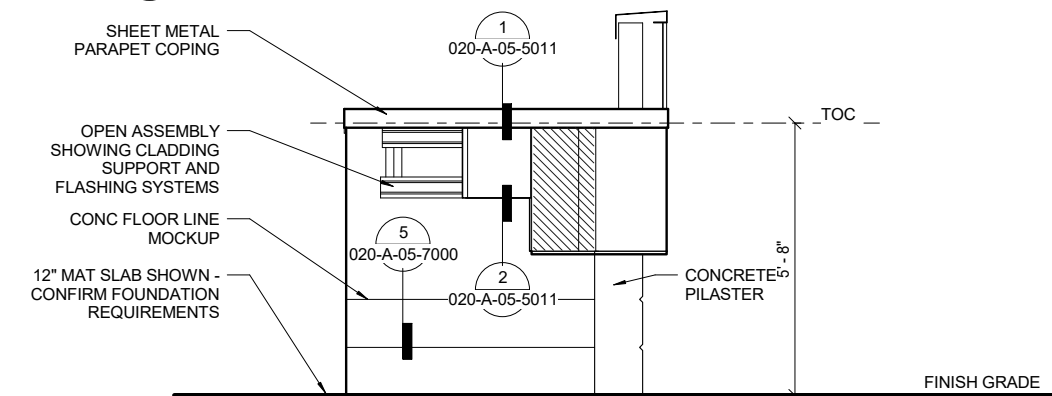
5 MOCKUP - CONC FLOOR LINE  
SCALE: 1 1/2" = 1'-0"



2 MOCKUP ELEVATION - SOUTH  
SCALE: 1/2" = 1'-0"



3 MOCKUP ELEVATION - WEST  
SCALE: 1/2" = 1'-0"



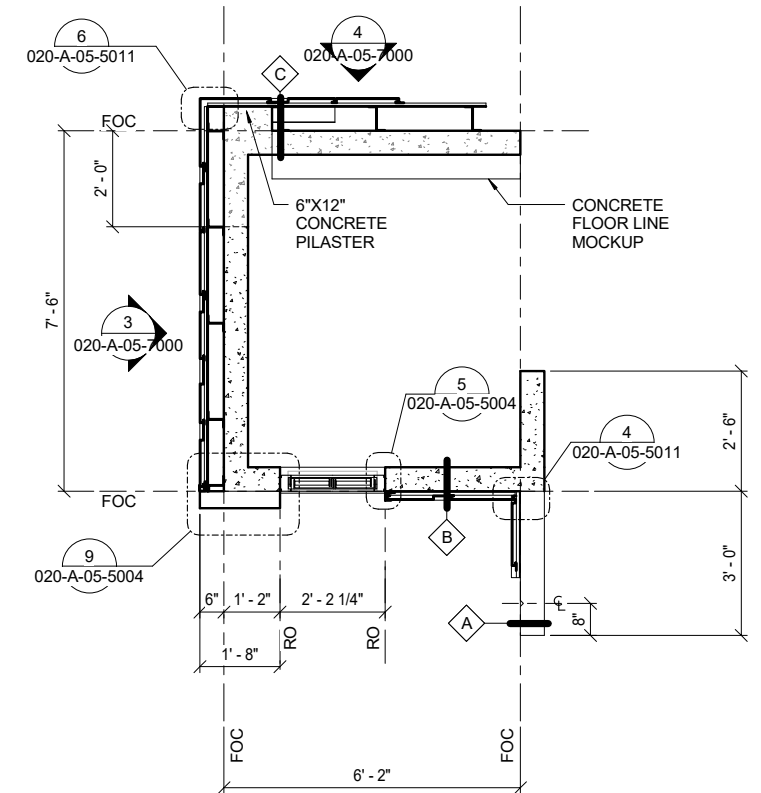
4 MOCKUP ELEVATION - NORTH  
SCALE: 1/2" = 1'-0"

METAL PANEL LEGEND

- 1/2" REVEAL
- ▨ 4" REVEAL
- ▩ 6" REVEAL

GENERAL NOTES

1. ARCHITECTURAL CONDITIONS AND DETAILS TO INCLUDE IDENTIFIED BY ARCHITECT - CONTRACTOR TO COORDINATE AND VERIFY ALL SIZES AND DIMENSIONS.
2. SITE LOGISTICS AND MOCK-UP LOCATION TO BE COORDINATED BY GENERAL CONTRACTOR - PROVIDE ACCESSIBILITY AROUND STRUCTURE FOR ARCHITECT AND CLIENT REVIEW.
3. SEE CIVIL PLANS FOR FINISH GRADE.



1 ENLARGED MOCK-UP PLAN  
SCALE: 1/2" = 1'-0"



CONTRACT NO. WW-628-03

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

SOUTHEAST WATER POLLUTION CONTROL PLANT  
SEP 020 HEADWORKS PROJECT

MOCK-UP ASSEMBLY

PROJECT ENGINEER M. ESQUER	DRAWN E. RUZICKA
PROJECT MANAGER W. KARAM	DESIGNED J. MCGRAW
APPROVED	CHECKED C. SANDERSON
NO.	DATE
DESCRIPTION	BY
REVISIONS	APPRD

CHECKED / APPROVED	DRAWN
SECTION MANAGER	DESIGNED
WWE O&M MANAGER	SCALE AS SHOWN
APPROVED	DATE OCT 2018
MANAGER, ENGINEERING MANAGEMENT BUREAU	WWE ENGINEERING MANAGER
PLAN NO. 020-A-05-7000	DRAWING / FILE NO. WW14821
REVISION NO.	0

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-11.35 FT

10/31/2018

LANDSCAPE ABBREVIATIONS

<u>A</u>		<u>H</u>		<u>S</u>	
AB	AGGREGATE BASE	H	HIGH	SAD	SEE ARCHITECTURAL DRAWINGS
AC	ASPHALTIC CONCRETE	HDPE	HIGH DENSITY POLYETHYLENE	SCD	SEE CIVIL DRAWINGS
AD	AREA DRAIN	HDR	HEADER	SCH	SCHEDULE
ADJ	ADJACENT	HGT	HEIGHT	SEC	SECTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	HORIZ	HORIZONTAL	SED	SEE ELECTRICAL DRAWINGS
APPROX	APPROXIMATE	HP	HIGH POINT	SEG	SEGMENTS
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	HPS	HIGH POINT OF SWALE	SF	SQUARE FEET
ASSY	ASSEMBLY	HSS	HOLLOW STRUCTURAL STEEL	SGED	SEE GEOTECHNICAL ENGINEERING DRAWINGS
		HV	HIGH VOLTAGE	SIM	SIMILAR
		HYD	HYDRANT	SJ	SCORE JOINT
		I		SMD	SEE MECHANICAL DRAWINGS
		ID	INSIDE DIAMETER	SPECS	SPECIFICATION(S)
		IE	INVERT ELEVATION	SQ	SQUARE
		IN	INCH	SS	STAINLESS STEEL
		INC	INCORPORATED	SSD	SEE STRUCTURAL DRAWINGS
		INSL	INSULATION OR INSULATED	SSDPWSF	STANDARD SPECIFICATIONS OF DEPARTMENT OF PUBLIC WORKS OF SAN FRANCISCO
		INV	INVERT	ST	STREET
		IRRG	IRRIGATION	STA	STATION
		L		STD	STANDARD
		L	LENGTH	STL	STEEL
		LBS	POUNDS	SW	SIDEWALK
		LF	LINEAR FEET		
		LP	LOW POINT	<u>T</u>	
				TC	TOP OF CURB
				TEMP	TEMPORARY
				TF	TOP OF FENCE
				THK	THICK OR THICKNESS
				THRU	THROUGH
				TOP	TOP OF STEP
				TP	TOP OF PIPE
				TS	TUBULAR STEEL
				TR	TOP OF RAMP
				TW	TOP OF WALL
				TYP	TYPICAL
				<u>U</u>	
				UNO	UNLESS NOTED OTHERWISE
				UPRR	UNION PACIFIC RAILROAD
				<u>V</u>	
				V	VALVE
				VAR	VARIABLE OR VARIABLE
				VCP	VITRIFIED CLAY PIPE
				VERT	VERTICAL
				VIF	VERIFY IN FIELD
				<u>W</u>	
				W	WEST
				W/	WITH
				W/O	WITHOUT
				WP	WATER PROOFING
				WU	WATER USE
				WWM	WELDED WIRE MESH
				<u>X</u>	
				XFMR	TRANSFORMER
				<u>OTHER</u>	
				#	NUMBER

LANDSCAPE GENERAL NOTES

1. ALL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT.
2. THE CONTRACTOR SHALL VERIFY EXISTING GRADES AND SITE CONDITIONS BEFORE PROCEEDING ANY WORK.
3. PROTECT ALL UTILITIES, IMPROVEMENTS AND STRUCTURES WHETHER SHOWN ON THE DRAWINGS AND RESTORE TO NEW CONDITION AT NO ADDITIONAL COST TO THE CITY IF DAMAGED DURING THE COURSE OF WORK.
4. COORDINATE ALL WORK TO PREVENT CONFLICTS BETWEEN TRADES AND REPORT CONFLICTS OR INCONGRUITIES BETWEEN NEW IMPROVEMENTS AND EXISTING FACILITIES TO THE CITY REPRESENTATIVE BEFORE STARTING WORK WHICH IS AFFECTED THEREBY.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND PROVIDING ALL QUANTITIES OF MATERIALS SHOWN ON THE DRAWINGS. QUANTITIES PROVIDED ARE FOR CONVENIENCE ONLY.
6. ALL BUILDINGS PER CODE CONFORMANCE WITH CITY & COUNTY OF SAN FRANCISCO AMENDMENTS.

LAYOUT NOTES

1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE CITY REPRESENTATIVE BEFORE PROCEEDING.
2. WRITTEN DIMENSIONS SUPERCEDE SCALED DIMENSIONS.
3. ALL DIMENSIONS SHOWN SHALL BE MEASURED HORIZONTALLY.
4. THE CONTRACTOR SHALL CONFIRM LOCATION OF SUB-SURFACE UTILITIES AND INFRASTRUCTURE.
5. THE CONTRACTOR SHALL ALIGN ALL NEW AND EXISTING UTILITY BOXES AND VAULTS SQUARE WITH CONCRETE SCORING PATTERN. VERIFY ALL LOCATIONS WITH CITY REPRESENTATIVE.

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SOUTHEAST WATER POLLUTION CONTROL PLANT  
 SEP 020 HEADWORKS PROJECT

GENERAL SITEWIDE

LANDSCAPE NOTES

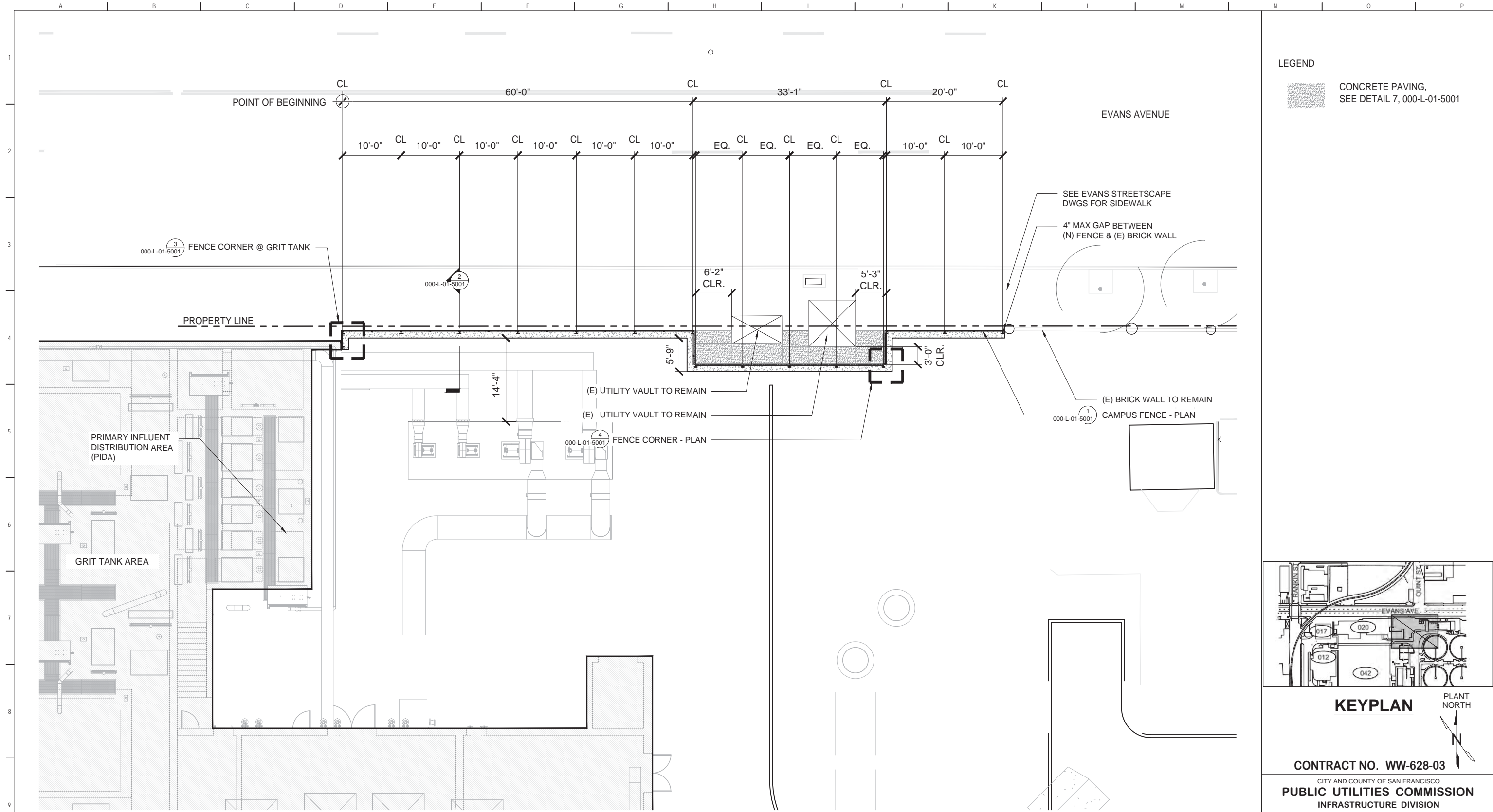
PROJECT ENGINEER M. ESQUER	DRAWN D. ALCANTARA ORTIZ
PROJECT MANAGER W. KARAM	DESIGNED N. ANCEL
APPROVED	CHECKED T. ESTERBROOKS
NO.	DATE
DESCRIPTION	BY
APPRD	DATE
REVISIONS	




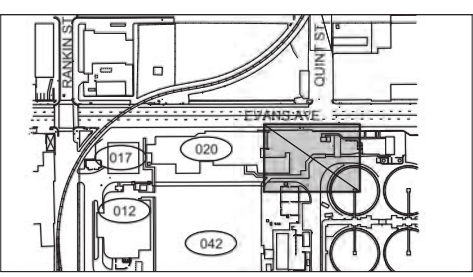
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PLAN NO. 000-L-01-0001	DRAWING / FILE NO. WW14183
REVISION NO. 0	



**LEGEND**  
 CONCRETE PAVING,  
 SEE DETAIL 7, 000-L-01-5001



**KEYPLAN** PLANT NORTH

**CONTRACT NO. WW-628-03**  
 CITY AND COUNTY OF SAN FRANCISCO  
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**ENLARGED PLAN**  
 SCALE: 1/8" = 1'-0"

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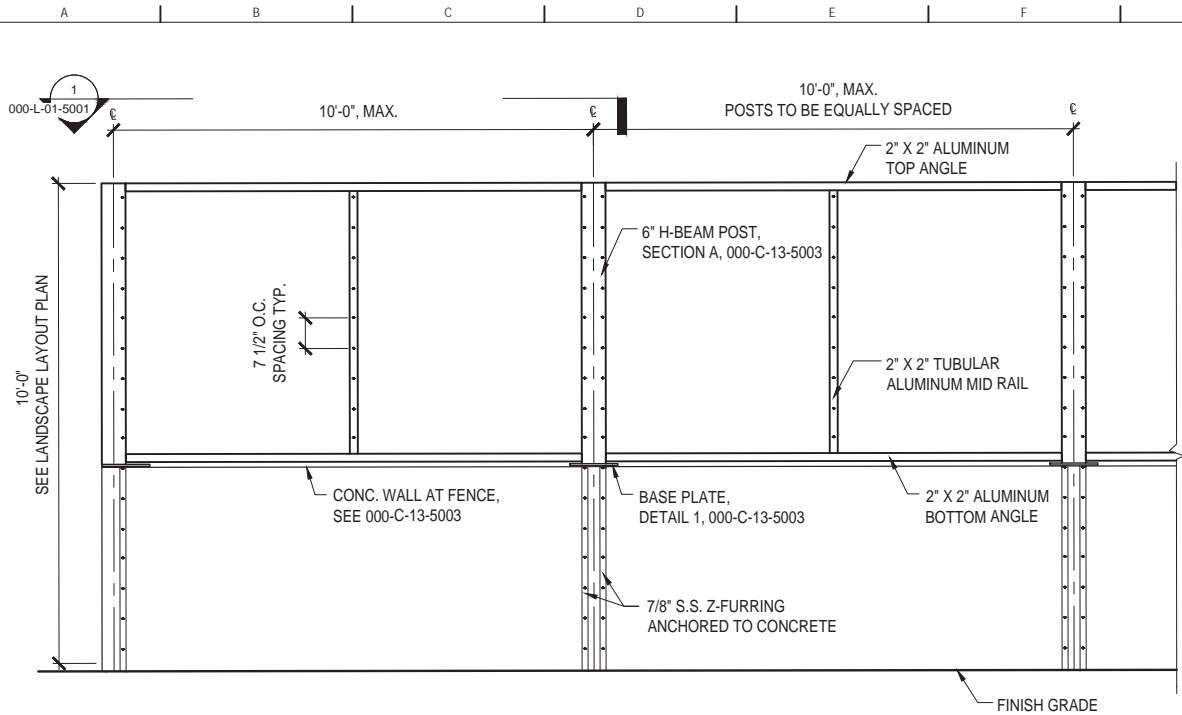
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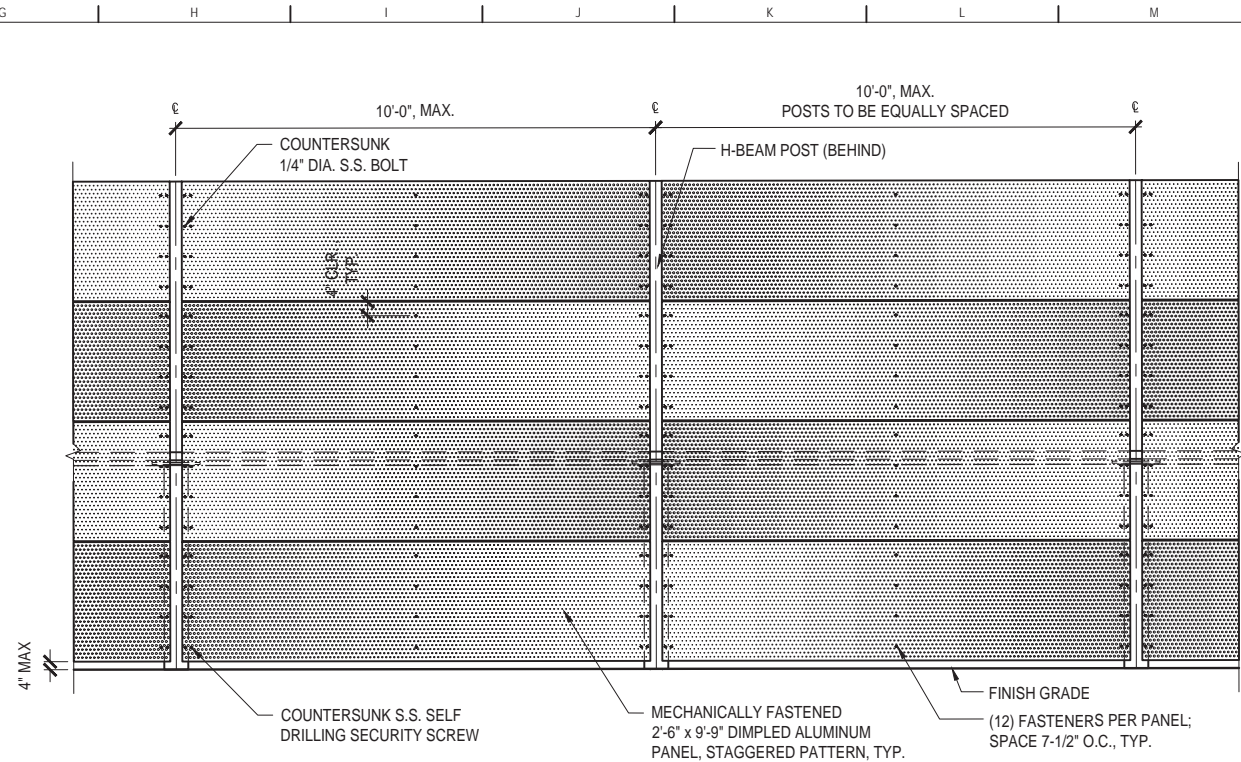
<b>carollo</b>											
PROJECT ENGINEER M. ESQUER	DRAWN D. ALCANTARA ORTIZ										
PROJECT MANAGER W. KARAM	DESIGNED N. ANCEL										
APPROVED	CHECKED T. ESTERBROOKS										
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NO.	DATE	DESCRIPTION	BY	APPRD							

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WWE O&M MANAGER	SCALE: AS SHOWN
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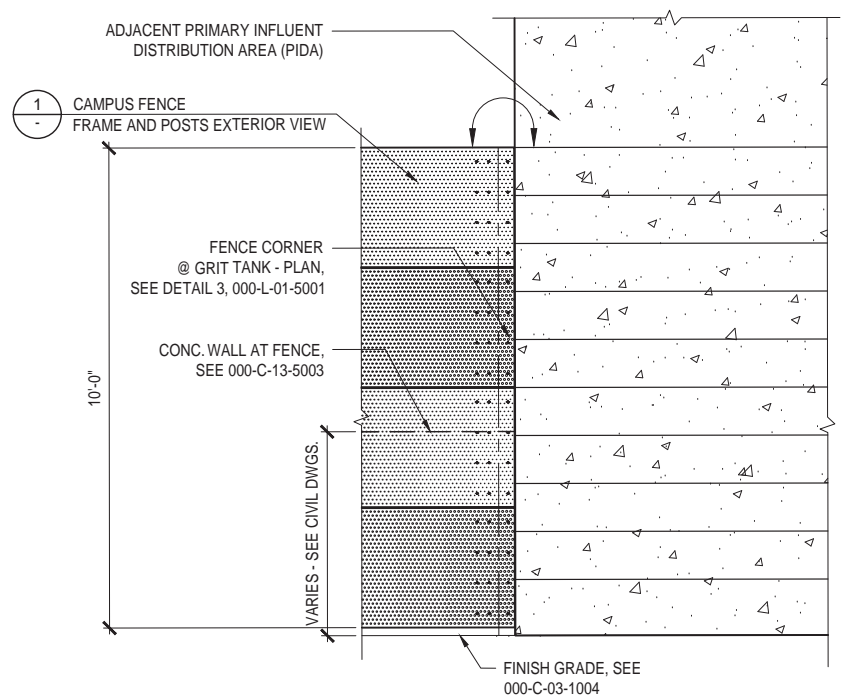




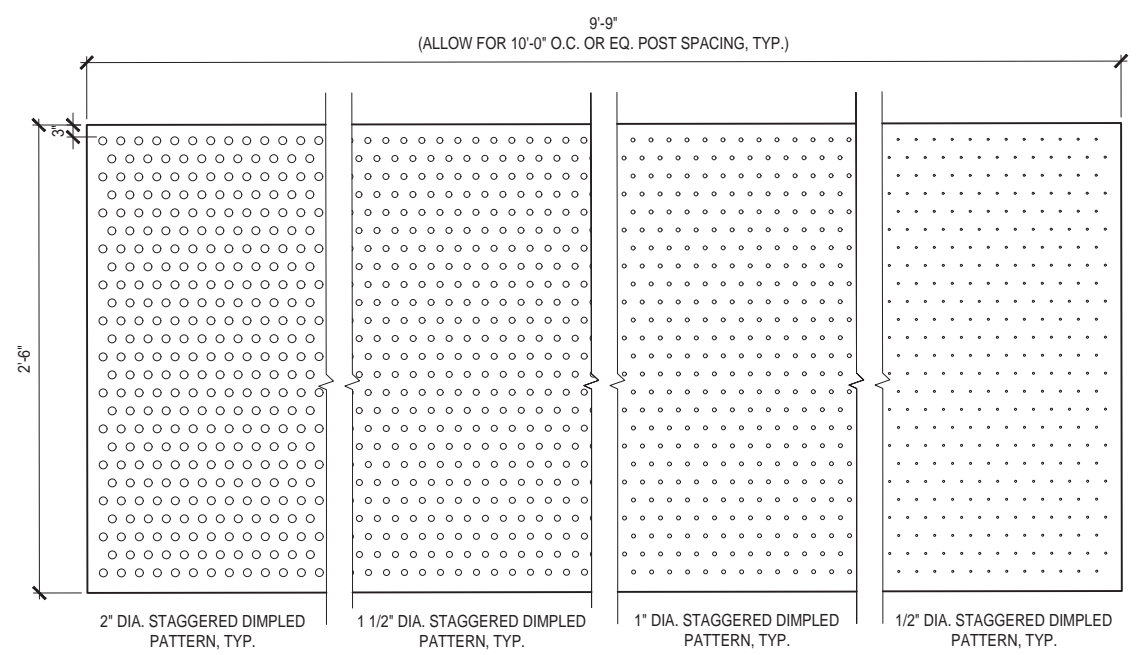
1 CAMPUS FENCE - FRAME AND POSTS EXTERIOR VIEW  
SCALE: 1/2"=1'-0"



2 CAMPUS FENCE - FRONT ELEVATION  
SCALE: 1/2"=1'-0"



3 CAMPUS FENCE @ GRIT TANK - ELEVATION  
SCALE: 1/2"=1'-0"



4 PANEL DIMPLE PATTERN ENLARGEMENT  
SCALE: NTS

- NOTES
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY CITY REPRESENTATIVE.
  2. STEEL POSTS TO BE GALVANIZED.
  3. WELD AND GRIND SMOOTH ALL JOINTS AND CONNECTIONS.
  4. FOR COLOR AND FINISH, SEE SPECS.

**CONTRACT NO. WW-628-03**  
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SEP 020 HEADWORKS PROJECT

LANDSCAPE DETAILS

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	REVISION NO. 0

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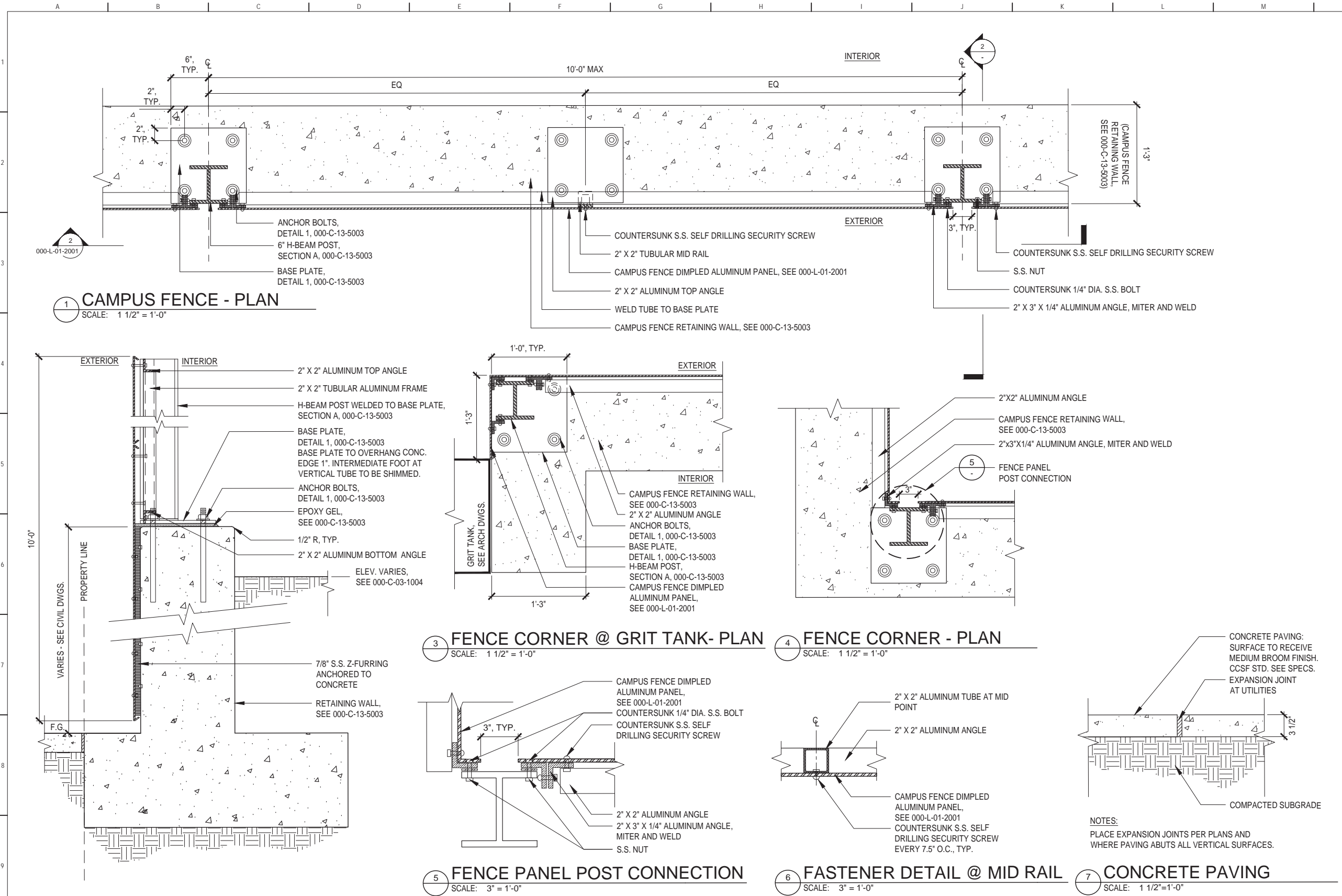
PROJECT ENGINEER M. ESQUER	DRAWN D. ALCANTARA ORTIZ
PROJECT MANAGER W. KARAM	DESIGNED N. ANCEL
APPROVED	CHECKED T. ESTERBROOKS
NO.	DATE
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- NOTES**
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL BY CITY REPRESENTATIVE.
  2. STEEL POSTS TO BE GALVANIZED.
  3. WELD AND GRIND SMOOTH ALL JOINTS AND CONNECTIONS.
  4. FOR COLOR AND FINISH, SEE SPECS.
  5. PROVIDE NEOPRENE WASHERS BETWEEN H-BEAM POST AND ALUMINUM CONNECTIONS.
  6. COORDINATE BASE PLATE ATTACHMENTS WITH REBAR, SEE 000-C-13-5003.

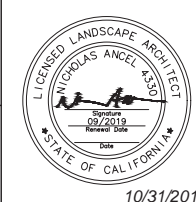
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**LANDSCAPE DETAILS**

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000-L-01-5001	WW14186
REVISION NO.	0

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PROJECT ENGINEER <b>M. ESQUER</b>	DRAWN <b>D. ALCANTARA ORTIZ</b>
PROJECT MANAGER <b>W. KARAM</b>	DESIGNED <b>N. ANCEL</b>
APPROVED	CHECKED <b>T. ESTERBROOKS</b>
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