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 LAST SAVED BY: BMurillo

2015 INTERNATIONAL BUILDING CODE

ROOM NO.	ROOM NAME	OCCUPANCY	CONST TYPE	BASIC ALLOW STORIES/HEIGHT	BASIC ALLOWABLE AREA	ACTUAL SQ FT	ALLOWABLE FLOOR AREA PER OCCUP	OCC LOAD	EXITS REQUIRED/ PROVIDED	SPRINKLERED	OCCUPANCY SEPARATION	ADA	COMMENTS:
GRIT HANDLING FACILITY - DRAWING A21-01 & A21-02													
101	RESTROOM	B	II-B	3 STORIES/55 FT	23,000	88	100	1	1/1	NR	NR	YES	-
102	ELECTRICAL ROOM	F-1	II-B	3 STORIES/55 FT	15,500	484	300	2	1/1	NR	NR	NO	-
103	GRIT PUMP ROOM	F-1	II-B	3 STORIES/55 FT	15,500	2,185	300	8	2/3	NR	NR	NO	-
104	ODOR CONTROL AREA	F-1	II-B	3 STORIES/55 FT	15,500	1,350	300	5	2/2	NR	NR	NO	-
201	HVAC ROOM	F-1	II-B	3 STORIES/55 FT	15,500	545	300	2	1/1	NR	NR	NO	-
202	GRIT WASHING ROOM	F-1	II-B	3 STORIES/55 FT	15,500	2,185	300	8	2/2	NR	NR	NO	-
ST-1	STAIR No. 1	B	II-B	3 STORIES/55 FT	23,000	496	-	-	1/1	NR	NR	NO	-
BUILDING ACTUAL		F-1	II-B	2 STORY/44 FT - 8 IN	15,500	7,333							

2015 INTERNATIONAL ENERGY CONSERVATION CODE

BUILDING ENVELOPE REQUIREMENTS - SALT LAKE COUNTY, CLIMATE ZONE 5B

ENVELOPE COMPONENT	R-VALUE REQUIRED	R-VALUE PROVIDED
ROOFS	R - 30 ci	R - 30 ci
WALLS ABOVE GRADE, MASS	R - 11.4 ci	R - 11.4 ci
FLOORS, MASS	R - 10 ci	R - 10 ci
SLAB ON GRADE FLOORS - UNHEATED	R - 10 FOR 24" BELOW	R - 10 FOR 24" BELOW
DOORS - SWINGING	U - 0.37	U - 0.37
DOORS - NONSWINGING	R - 4.75	R - 4.75
FIXED FENESTRATION	U - 0.38	U - 0.38
OPERATBLE FENESTRATION	U - 0.45	U - 0.45
ENTRANCE DOORS	U - 0.77	U - 0.77

DOOR SCHEDULE

DOOR NO.	DOOR						FRAME						DETAILS			U/L LABEL	CARD READER	REMARKS
	WIDTH	HEIGHT	THICK	TYPE	MAT'L	FINISH	WIDTH	HEIGHT	DEPTH	TYPE	MAT'L	FINISH	HEAD	JAMB	SILL			
GRIT HANDLING FACILITY - DRAWING A21-01 & A21-02																		
101-1	3'-0"	7'-2"	1 3/4"	F	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
102-1	PR 3'-2"	9'-2"	1 3/4"	G	STEEL	COATING	6'-8"	9'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
103-1	3'-0"	7'-2"	1 3/4"	G	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
103-2	10'-0"	14'-0"	3/4"	-	STEEL	FACT FIN	-	-	-	-	STEEL	FACT FIN	A128/TYP	A128/TYP	A128/TYP	-	-	MOTOR OPERATED
103-3	10'-0"	14'-0"	3/4"	-	STEEL	FACT FIN	-	-	-	-	STEEL	FACT FIN	A128/TYP	A128/TYP	A128/TYP	-	-	MOTOR OPERATED
103-4	10'-0"	10'-0"	3/4"	-	STEEL	FACT FIN	-	-	-	-	STEEL	FACT FIN	A128/TYP	A128/TYP	A128/TYP	-	-	MOTOR OPERATED
103-5	3'-0"	7'-2"	1 3/4"	G	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
104-1	3'-0"	7'-2"	1 3/4"	G	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
104-2	PR 3'-2"	7'-2"	1 3/4"	G	STEEL	COATING	6'-8"	7'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
201-1	3'-0"	7'-2"	1 3/4"	G	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	C	C	B	NR	NR	-
202-1	3'-0"	7'-2"	1 3/4"	G	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	C	C	E	NR	NR	-
ST1-1	3'-0"	7'-2"	1 3/4"	F	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
ST1-2	3'-0"	7'-2"	1 3/4"	F	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	D	C	E	NR	NR	-
ST1-3	3'-0"	7'-2"	1 3/4"	F	STEEL	COATING	3'-4"	7'-4"	6"	R	STEEL	COATING	C	C	E	NR	NR	-

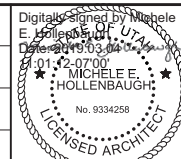
ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		BASE	NORTH WALL		SOUTH WALL		EAST WALL		WEST WALL		CEILING		
		MAT'L	FINISH		MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	MAT'L	HEIGHT	FINISH
GRIT HANDLING FACILITY - DRAWING A21-01 & A21-02															
101	RESTROOM	CONC	SEALER	CONC	FIGYP	PAINTED	CMU	PAINTED	CMU	PAINTED	FIGYP	PAINTED	AC	9'-0"	FACT FIN
102	ELECTRICAL ROOM	CONC	SEALER	CONC	FIGYP	PAINTED	CMU	EXPO	FIGYP	PAINTED	CMU	EXPO	CONC	20'-6"	COATED
103	GRIT PUMP ROOM	CONC	SEALER	CONC	CONC/FIP	FACT FIN	CONC/FIP	FACT FIN	CONC/FIP	FACT FIN	CONC/FIP	FACT FIN	CONC	20'-6"	COATED
104	ODOR CONTROL AREA	CONC	SEALER	CONC	CONC	EXPO	CONC	EXPO	CONC	EXPO	CONC	EXPO	CONC	14'-5"	EXPO
201	HVAC ROOM	CONC	SEALER	CONC	FIGYP	PAINTED	CMU	EXPO	FIGYP	PAINTED	FIGYP	PAINTED	CONC	16'-0"	COATED
202	GRIT WASHING ROOM	CONC	SEALER	CONC	CMU/FIP	FACT FIN	CMU/FIP	FACT FIN	CMU/FIP	FACT FIN	CMU/FIP	FACT FIN	CONC	16'-0"	COATED
ST-1	STAIR No. 1	CONC	SEALER	CONC	CONC/CMU	EXPO	CONC/CMU	EXPO	CONC/CMU	EXPO	CONC/CMU	EXPO	CONC	-	EXPO

ABBREVIATION LIST

AC	ACOUSTICAL CEILING SUSPENSION ASSEMBLY WITH ACOUSTICAL CEILING PANELS
B	BUSINESS GROUP (2015, IBC)
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
ci	CONTINUOUS INSULATION
EXPO	EXPOSED MATERIAL
FIGYP	HAT CHANNELS FURRING STRIPS WITH RIGID INSULATION AND GYPSUM BOARD
FIP	CLAD FOAM, INSULATED FOAM CORE PANELS SYSTEM
F-1	FACTORY INDUSTRIAL GROUP, MODERATE-HAZARD OCCUPANCY (2015, IBC)
NR	NOT REQUIRED
R-VALUE	THERMAL RESISTANCE, IS THE INVERSE OF THE TIME RATE OF HEAT FLOW THROUGH A BODY FROM ONE OF ITS BOUNDING SURFACES TO THE OTHER SURFACE FOR A UNIT TEMPERATURE DIFFERENCE BETWEEN THE TWO SURFACES, UNDER STEADY STATE CONDITIONS, PER UNIT AREA (2015, IBC)
U-FACTOR	THERMAL TRANSMITTANCE, IS THE COEFFICIENT OF HEAT TRANSMISSION (AIR TO AIR) THROUGH A BUILDING COMPONENT OR ASSEMBLY, EQUAL TO THE TIME RATE OF HEAT FLOW PER UNIT AREA AND UNIT TEMPERATURE DIFFERENCE BETWEEN THE WARM SIDE AND COLD SIDE AIR FILMS (2015, IBC)

DESIGNED MEH
 DRAWN BMR
 CHECKED JCA
 DATE MARCH 2019



SV South Valley
 WATER RECLAMATION FACILITY
 7495 South 1300 West
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY
 PROJECT 5
 ARCHITECTURAL
 GRIT HANDLING FACILITY
 BUILDING CODE ANALYSIS AND SCHEDULES

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

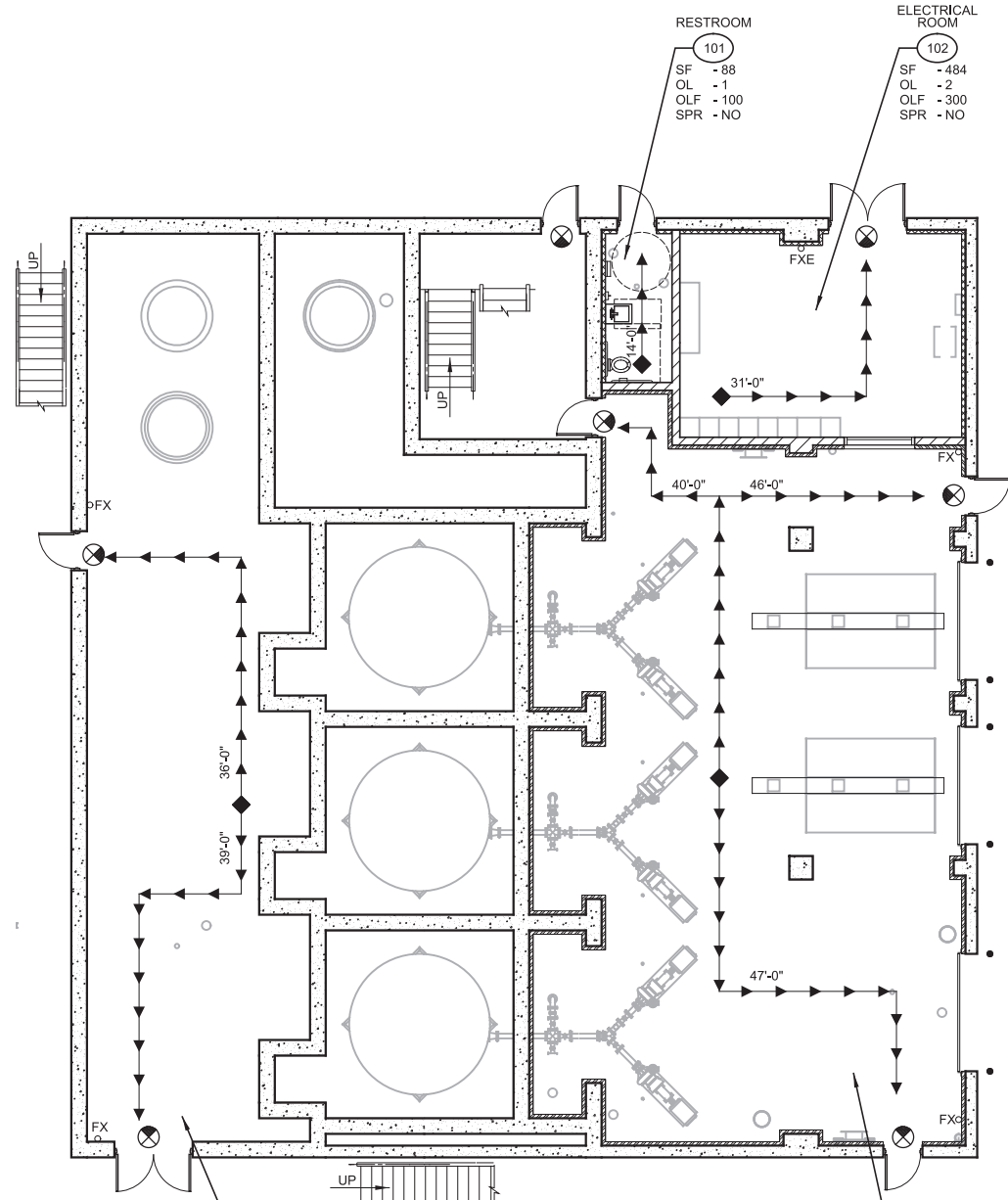
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 SHEET NO. 51 OF 159

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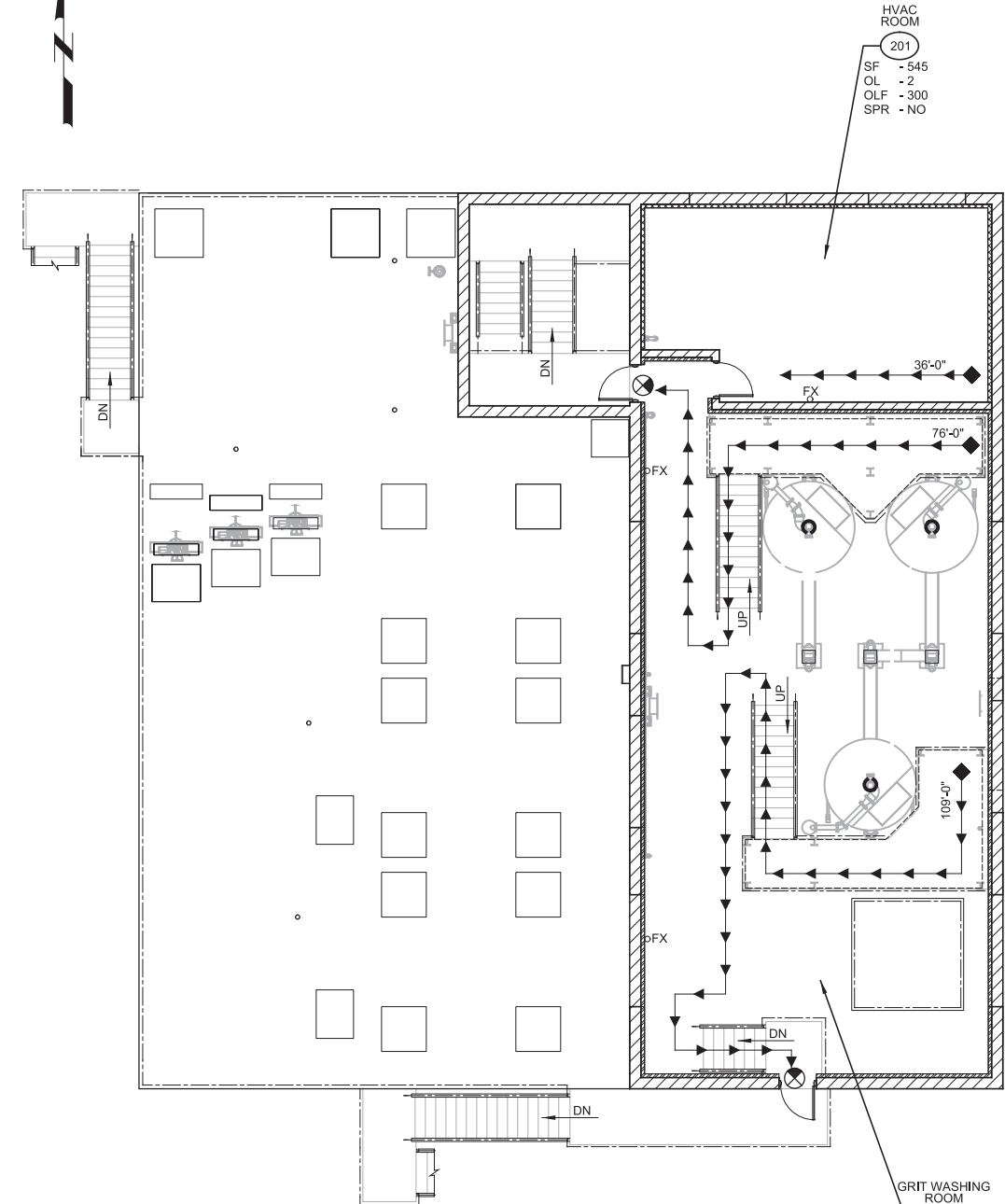
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A LOWER LEVEL PLAN
SCALE: 1/8" = 1'-0"
FILE: 10548A10A21101



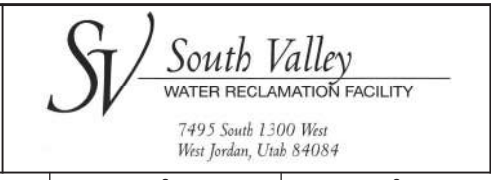
B UPPER LEVEL PLAN
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EGRESS ABBREVIATION AND SYMBOL LIST

- SF: SQUARE FEET
- OL: OCCUPANT LOAD
- OLF: OCCUPANT LOAD FACTOR
- SPR: AUTOMATIC SPRINKLER
- NA: NOT APPLICABLE
- ## ► DIRECTION OF EGRESS PATH
- ## LENGTH OF EGRESS IN FEET
- ⊗ EXIT SIGN
- FIRE EXTINGUISHER
- GUARD POST

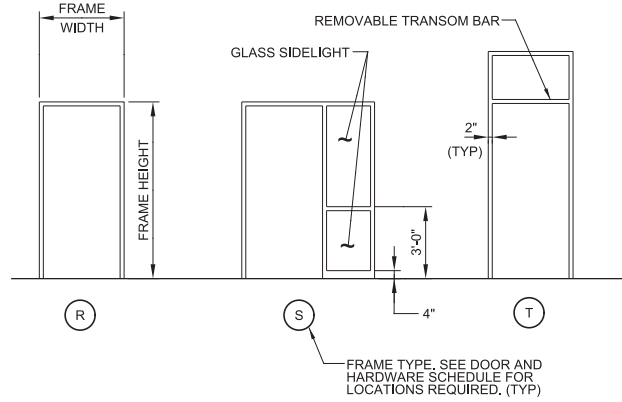
REV	DATE	BY	DESCRIPTION

DESIGNED MEH	
DRAWN BMR	
CHECKED JCA	
DATE MARCH 2019	



SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
ARCHITECTURAL
GRIT HANDLING FACILITY
EGRESS PLANS

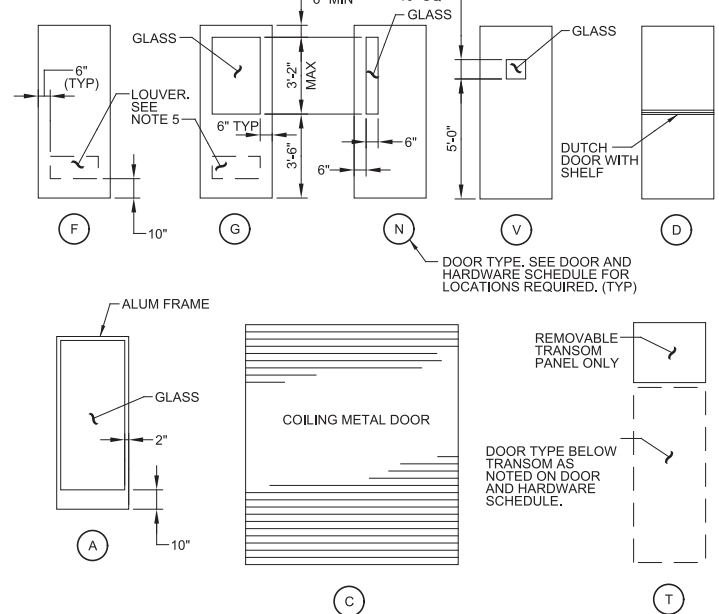
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	SHEET NO. 52 OF 159



- NOTES:**
- SEE DOOR AND HARDWARE SCHEDULE FOR FRAME SIZE, MATERIAL, AND DETAILS.
 - SIDLIGHT MAY BE ON EITHER SIDE OF DOOR. SEE DRAWINGS FOR REQUIRED SIDELIGHT LOCATION.
 - GLASS AT SIDELIGHTS SHALL BE TEMPERED.
 - GLASS AT INTERIOR SIDELIGHTS SHALL BE CLEAR. GLASS AT EXTERIOR SIDELIGHTS SHALL BE TINTED INSULATING GLASS.

A104 DOOR FRAME TYPES
TYP

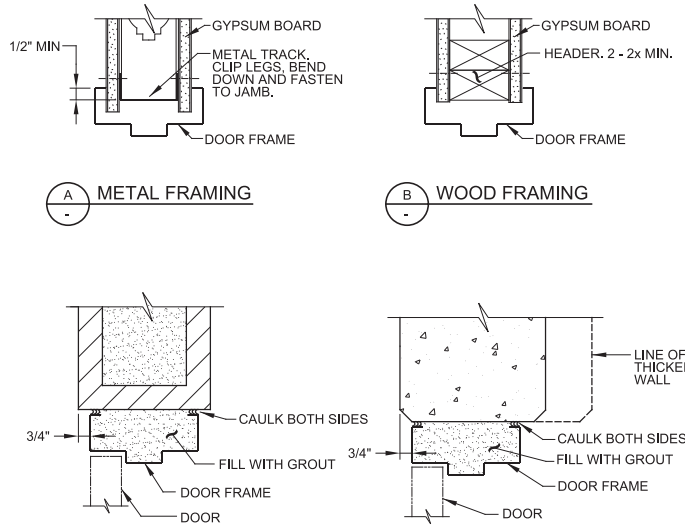
08/01/05



- NOTES:**
- DOOR SIZE AND TYPE SHALL BE IN ACCORDANCE WITH DOOR AND HARDWARE SCHEDULE.
 - GLASS AT DOORS SHALL BE TEMPERED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - GLASS AT INTERIOR DOORS SHALL BE CLEAR. GLASS AT EXTERIOR DOORS SHALL BE TINTED.
 - PROVIDE WIRE GLASS AT LABELED DOORS.
 - LOUVER MAY BE REQD AT ANY DOOR TYPE. IF A LOUVER IS REQUIRED, SIZES AND LOCATIONS WILL BE NOTED ON DOOR AND HARDWARE SCHEDULE.
 - PROVIDE LABELED DOORS IN ACCORDANCE WITH DOOR AND HARDWARE SCHEDULE.

A105 DOOR TYPES
TYP

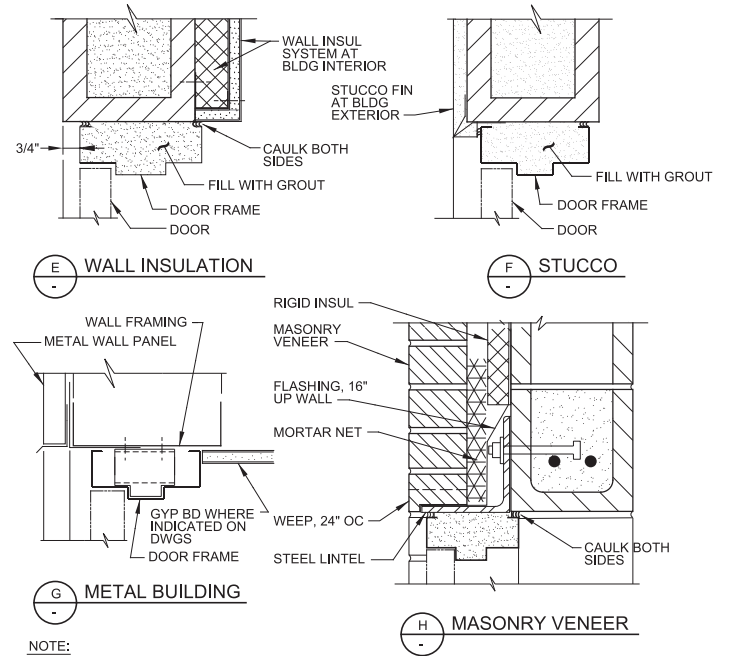
04/11/18



A112 DOOR HEAD DETAILS
TYP

SHEET 1 OF 2

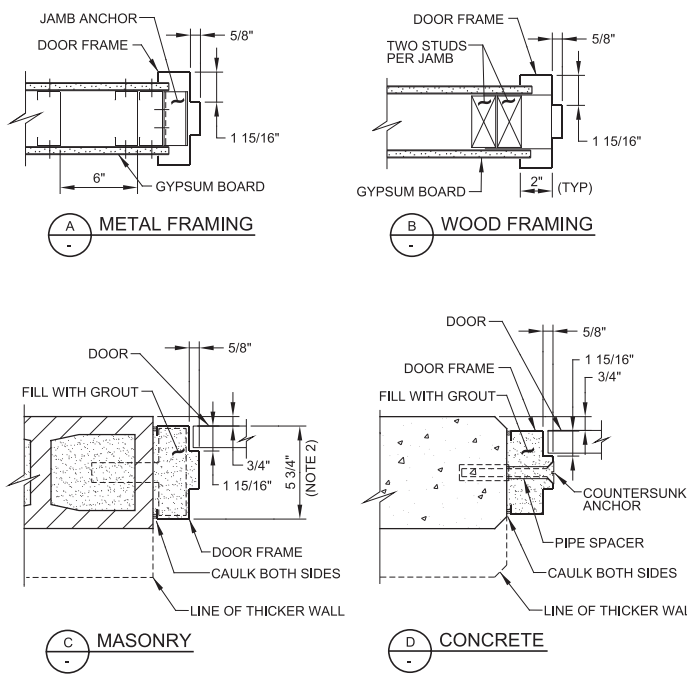
05/12/16



A112 DOOR HEAD DETAILS
TYP

SHEET 2 OF 2

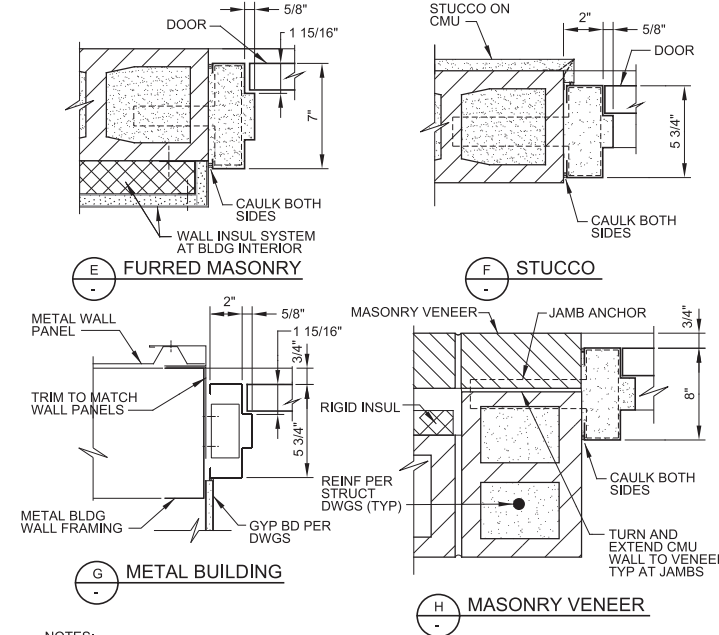
05/12/16



A120 DOOR JAMB DETAILS
TYP

SHEET 1 OF 2

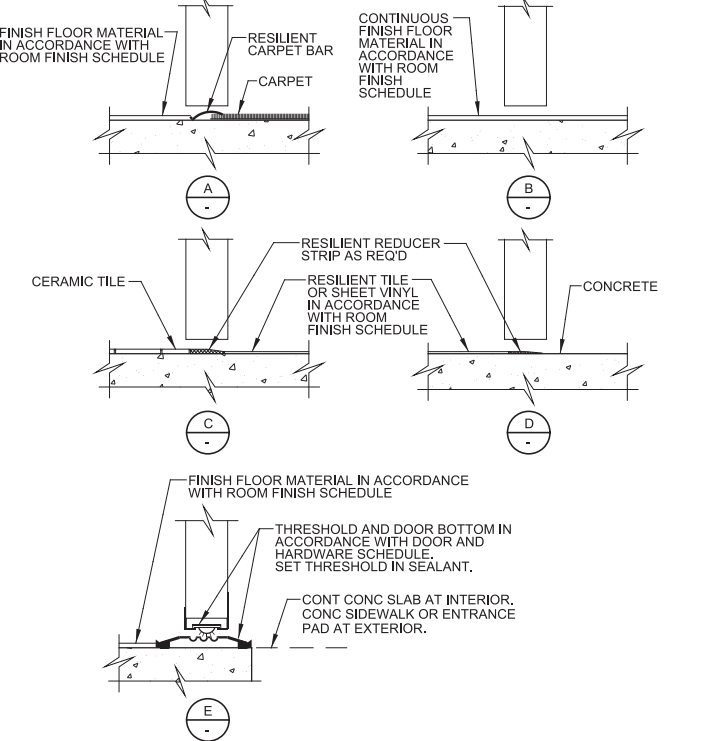
05/12/16



A120 DOOR JAMB DETAILS
TYP

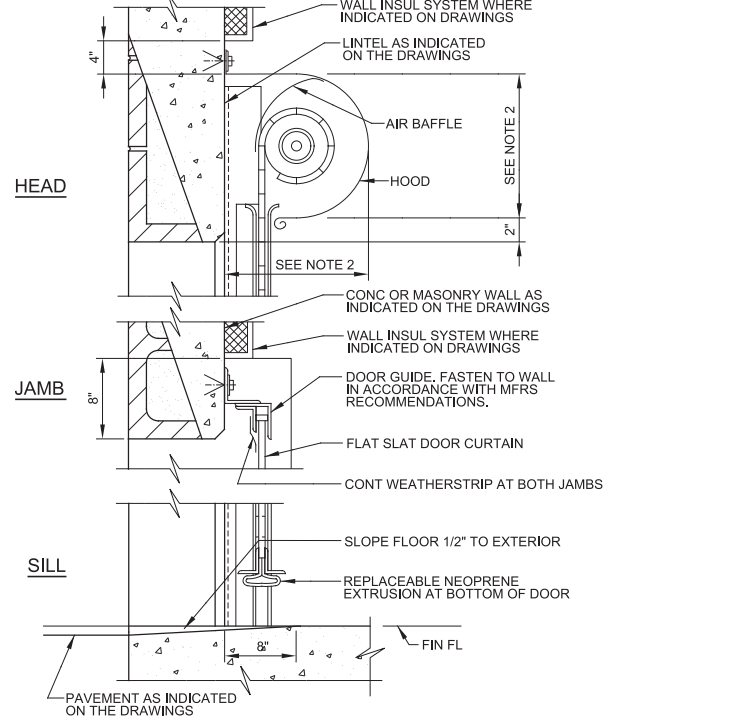
SHEET 2 OF 2

05/12/16



A122 DOOR SILL DETAILS
TYP

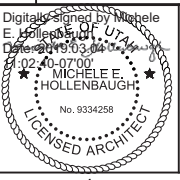
08/01/05



A128 COILING DOOR IN CONCRETE OR MASONRY WALL
TYP

04/11/18

DESIGNED	MEH
DRAWN	BMR
CHECKED	JCA
DATE	MARCH 2019



SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
TYPICAL DETAILS
ARCHITECTURAL TYPICAL DETAILS 1

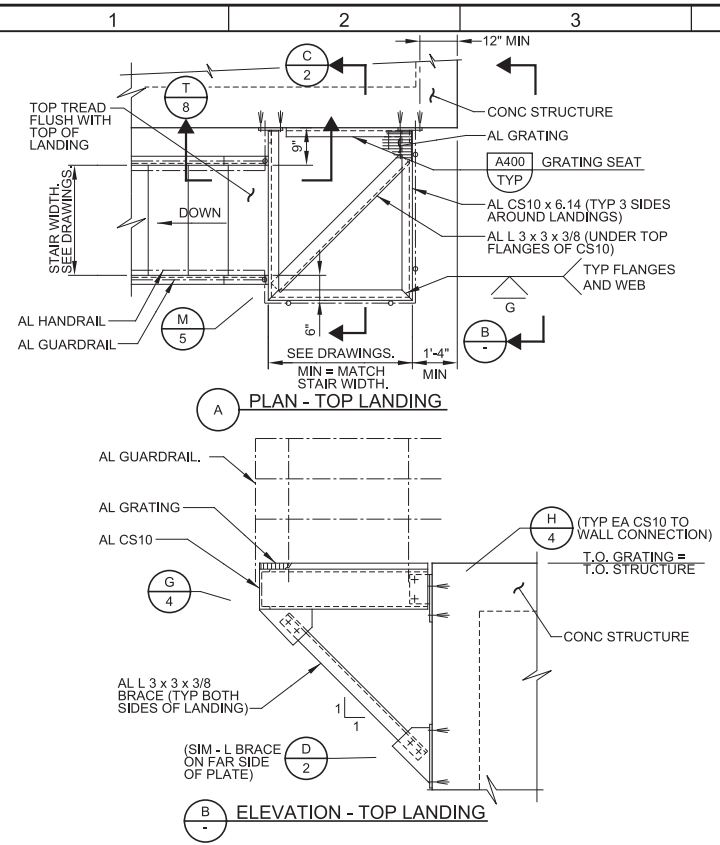
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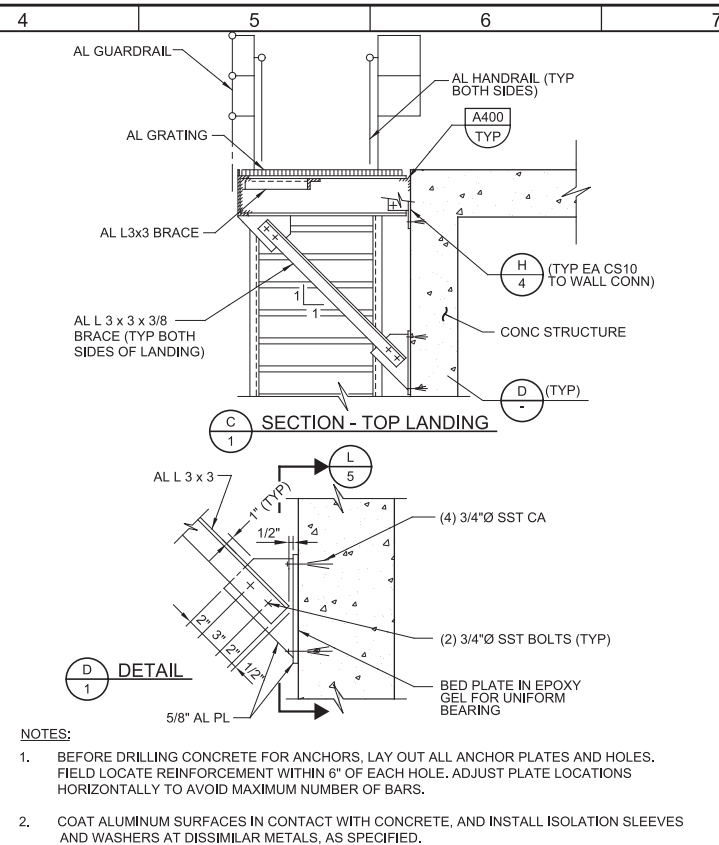
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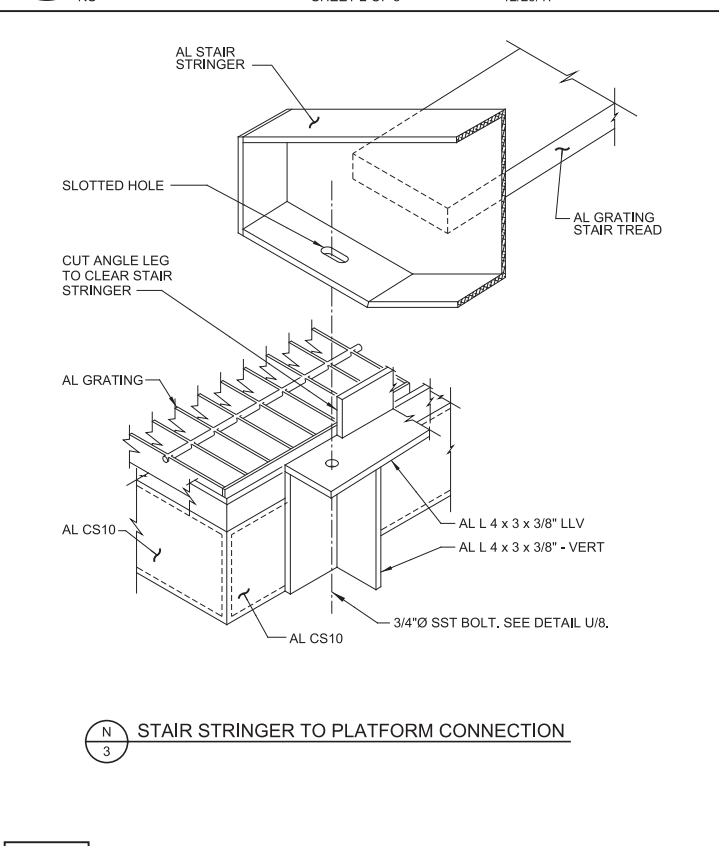
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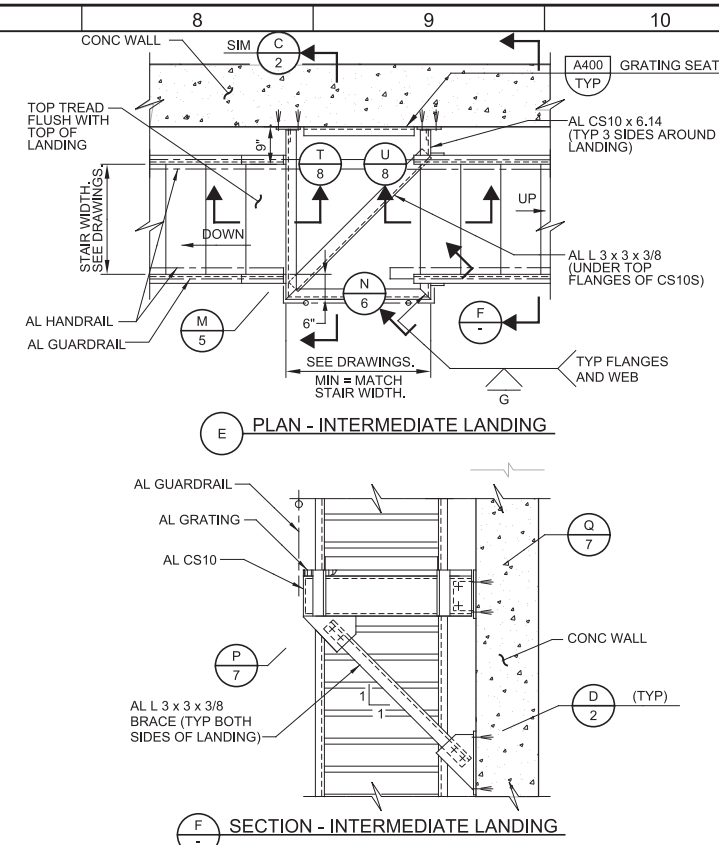
A220 ALUMINUM STAIR LANDINGS
TYP NS SHEET 1 OF 8 12/29/17



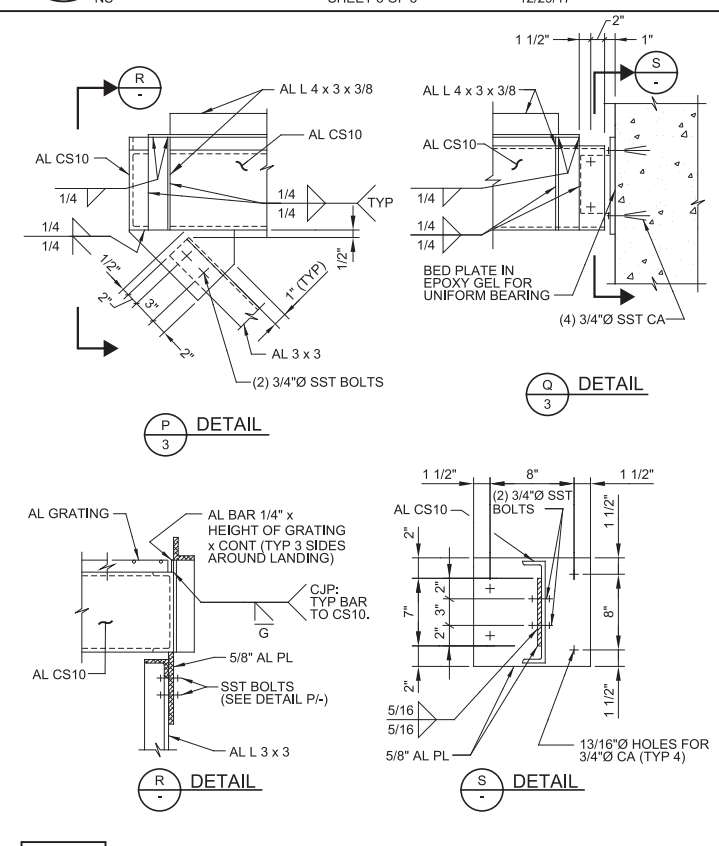
A220 ALUMINUM STAIR LANDINGS
TYP NS SHEET 2 OF 8 12/29/17



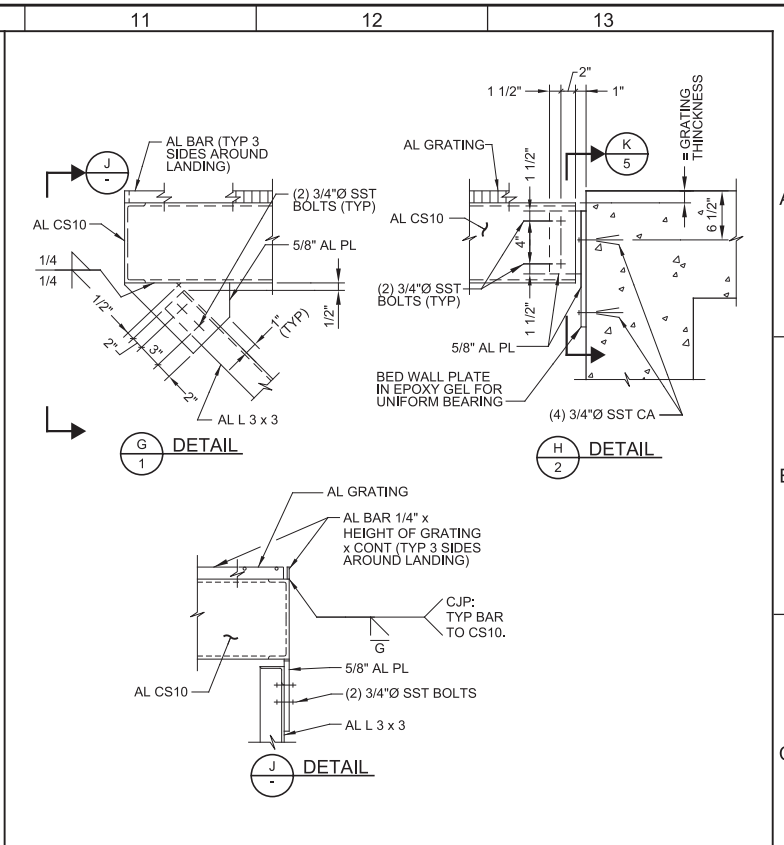
A220 ALUMINUM STAIR LANDINGS
TYP NS SHEET 6 OF 8 12/29/17



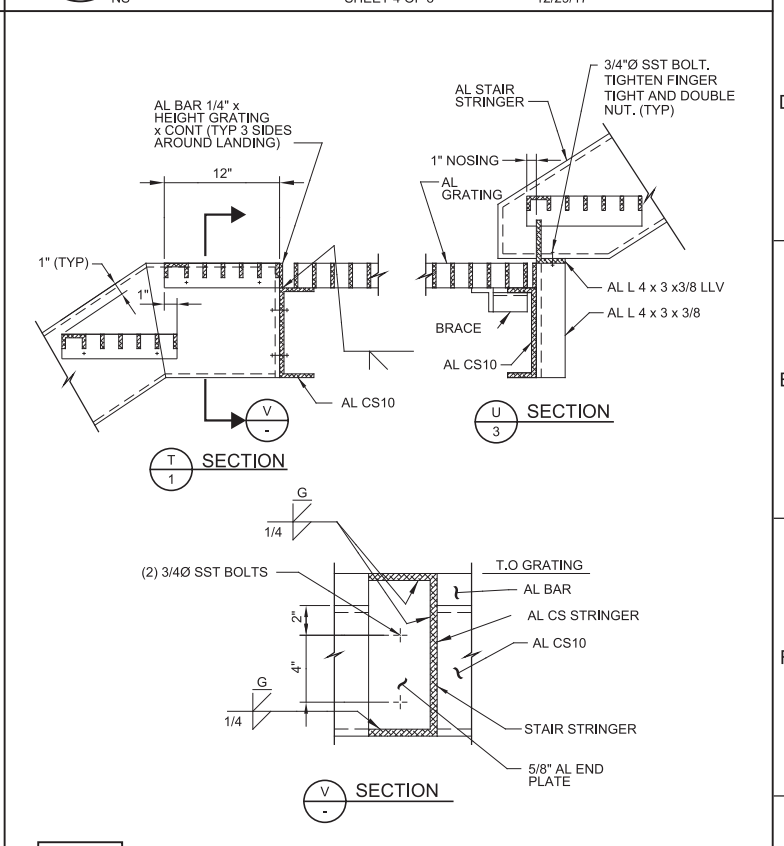
A220 ALUMINUM STAIR LANDINGS
TYP NS SHEET 3 OF 8 12/29/17



A220 ALUMINUM STAIR LANDINGS
TYP NS SHEET 7 OF 8 12/29/17



A220 ALUMINUM STAIR LANDINGS
TYP NS SHEET 4 OF 8 12/29/17

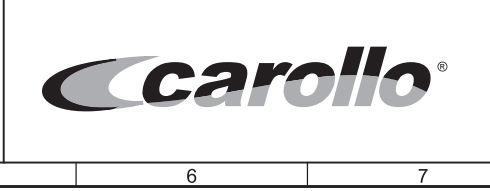


A220 ALUMINUM STAIR LANDINGS
TYP NS SHEET 8 OF 8 12/29/17

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED MEH
DRAWN BMR
CHECKED JCA
DATE MARCH 2019

Digitally signed by Michele E. Hollenbaugh
DN: cn=MICHELE E. HOLLENBAUGH, o=CAROLLO ARCHITECT, ou=CAROLLO ARCHITECT, email=mehollen@carollo.com, c=US
No. 9334258
LICENSED ARCHITECT

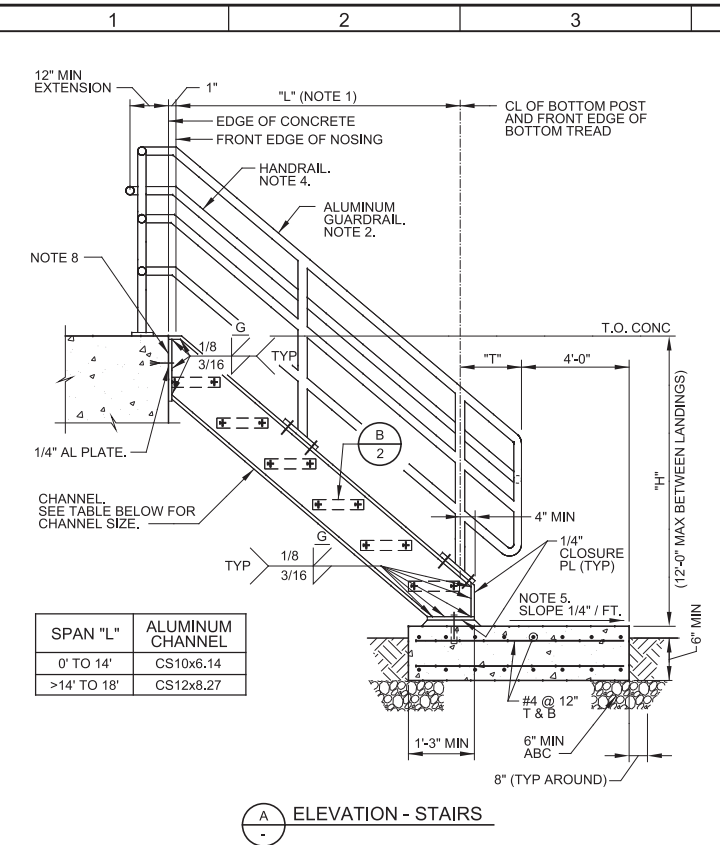


SV South Valley
WATER RECLAMATION FACILITY
7495 South 1300 West
West Jordan, Utah 84084

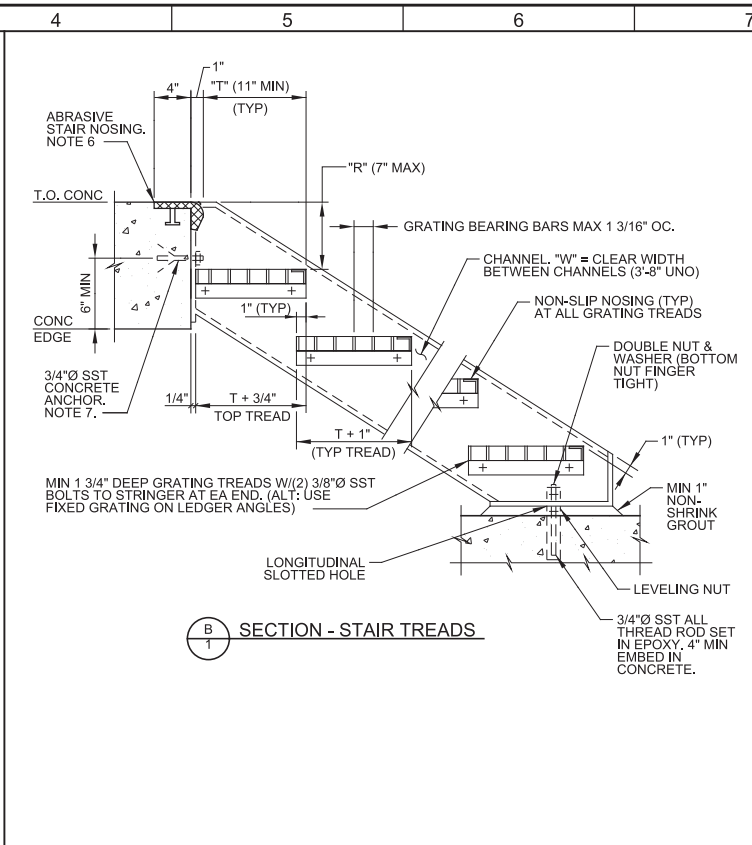
SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
TYPICAL DETAILS
ARCHITECTURAL TYPICAL DETAILS 2

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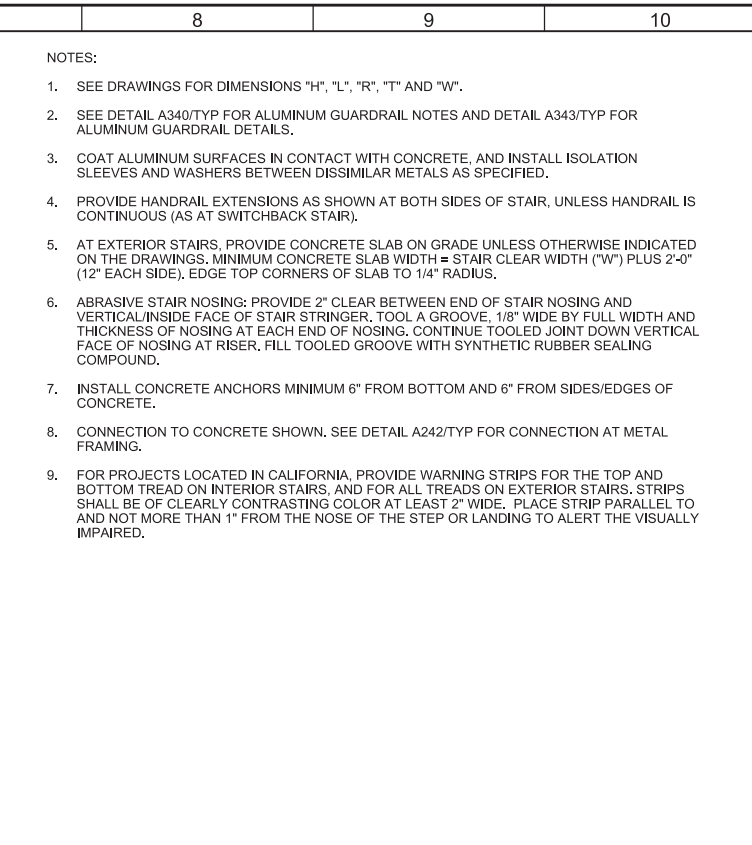
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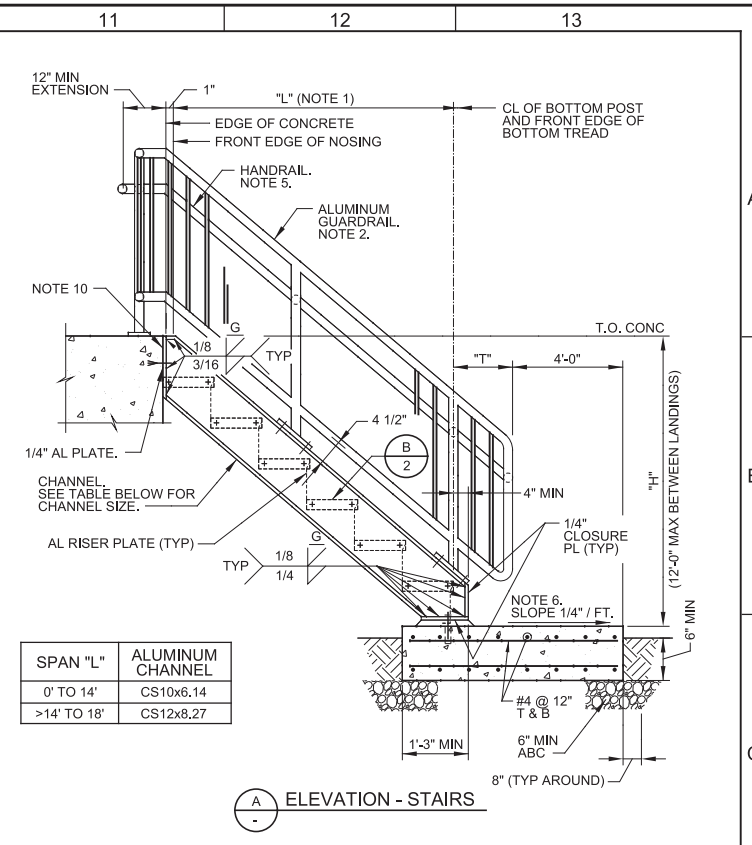
A238 ALUMINUM STAIR WITH THREE RAIL GUARDRAIL
 TYP NS SHEET 1 OF 3 04/03/17



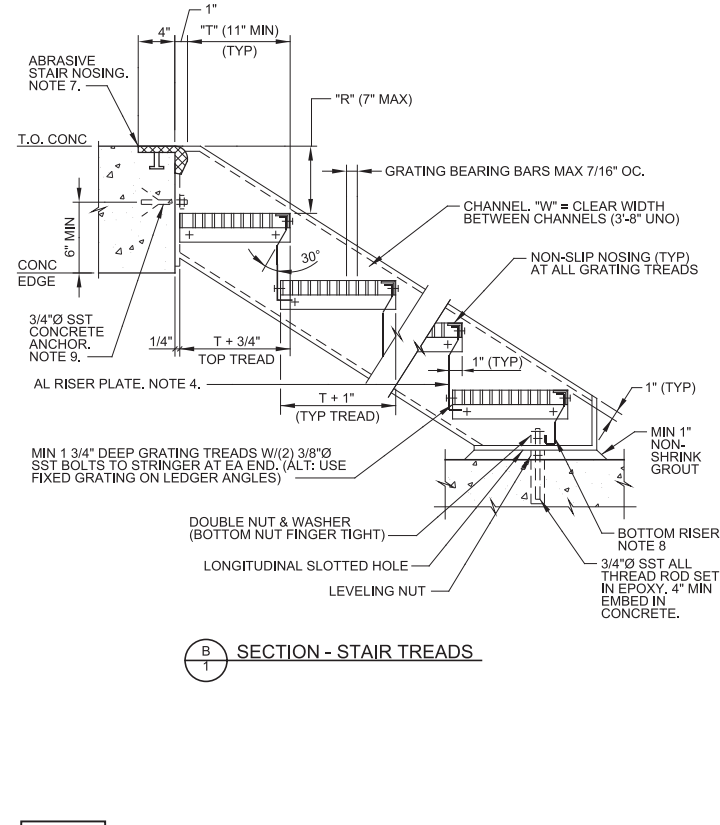
A238 ALUMINUM STAIR WITH THREE RAIL GUARDRAIL
 TYP NS SHEET 2 OF 3 04/03/17



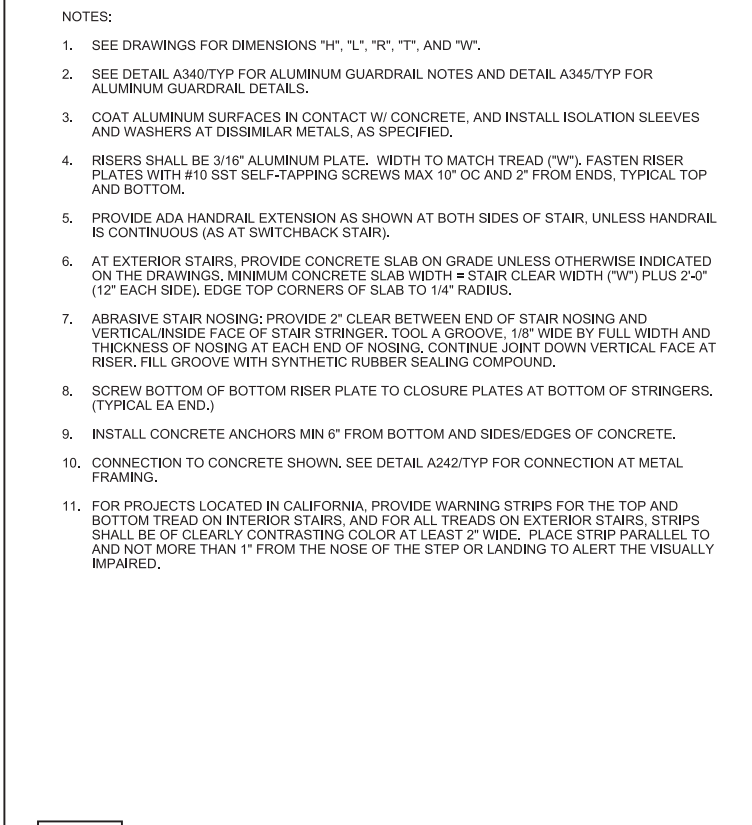
A238 ALUMINUM STAIR WITH THREE RAIL GUARDRAIL
 TYP NS SHEET 3 OF 3 04/03/17



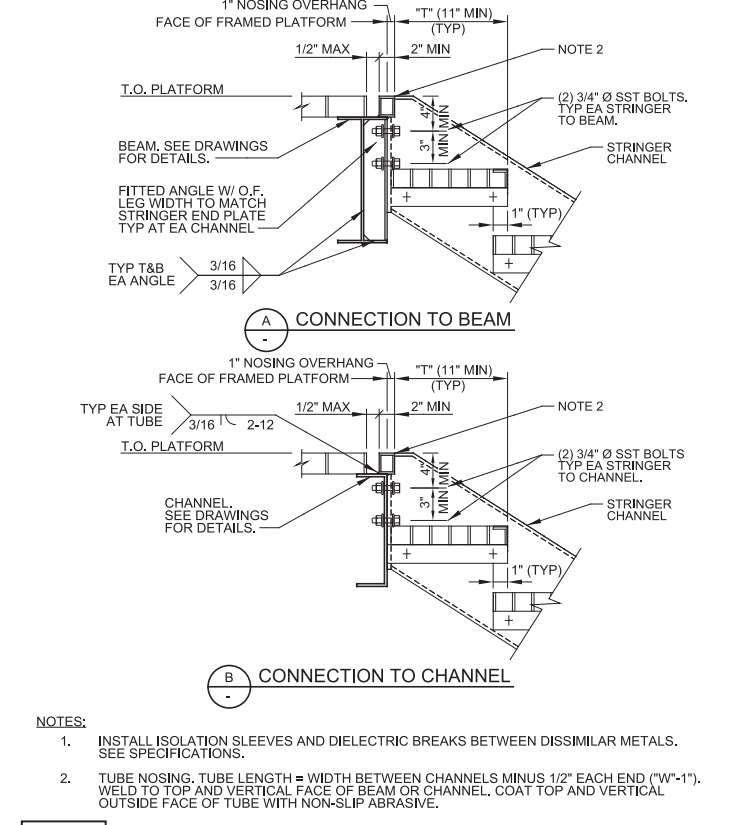
A239 ALUMINUM STAIR WITH SOLID RISER AND PICKET TYPE GUARDRAIL
 TYP NS SHEET 1 OF 3 04/03/17



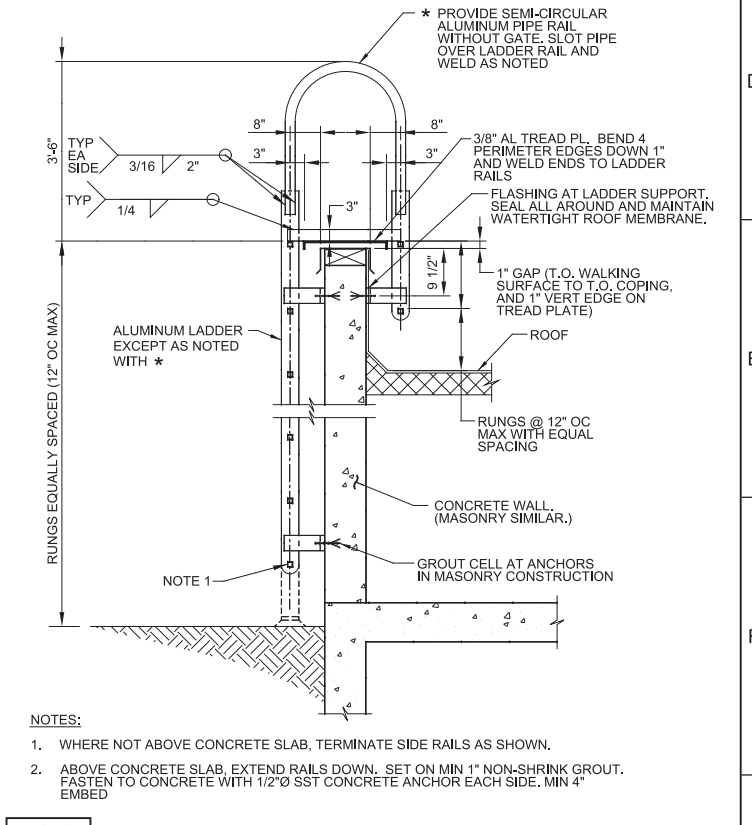
A239 ALUMINUM STAIR WITH SOLID RISER AND PICKET TYPE GUARDRAIL
 TYP NS SHEET 2 OF 3 04/03/17



A239 ALUMINUM STAIR WITH SOLID RISER AND PICKET TYPE GUARDRAIL
 TYP NS SHEET 3 OF 3 04/03/17



A242 ALUMINUM STAIR: TOP CONNECTION
 TYP NS 04/06/17



A252 ALUMINUM LADDER OVER PARAPET
 TYP NS 09/01/15

REV	DATE	BY	DESCRIPTION

DESIGNED MEH
 DRAWN BMR
 CHECKED JCA
 DATE MARCH 2019

Digitally signed by Michele E. Hollenbaugh
 DN: cn=MICHELE E. HOLLENBAUGH, o=CAROLLO ARCHITECT, ou=ARCHITECT, email=mehollen@carollo.com, c=US
 No. 9334258
 LICENSED ARCHITECT

7495 South 1300 West
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY
 PROJECT 5
 TYPICAL DETAILS
ARCHITECTURAL TYPICAL DETAILS 3

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO. 10548A.10
 DRAWING NO. GA-05
 SHEET NO. 55 OF 159

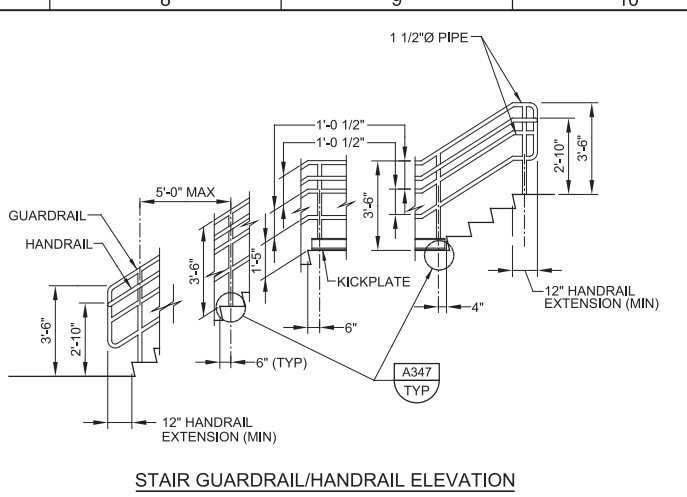
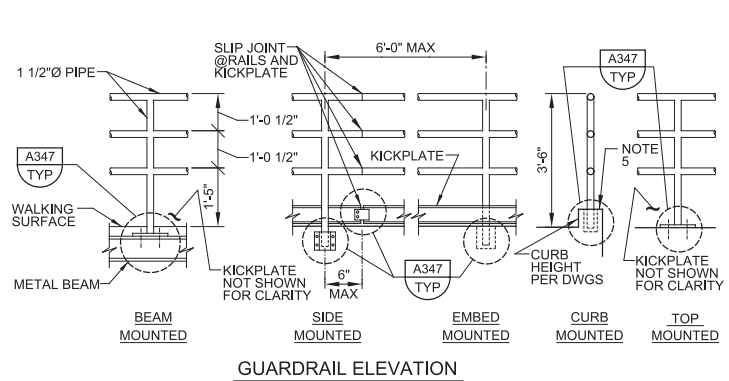
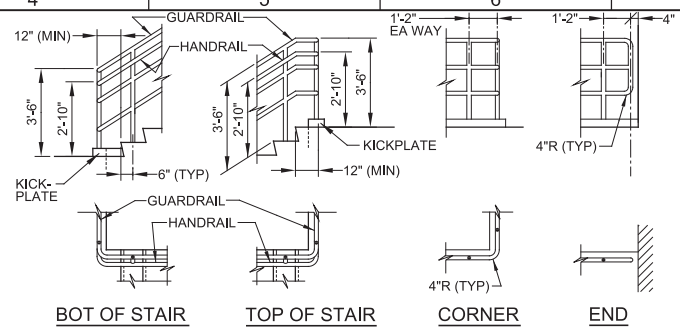
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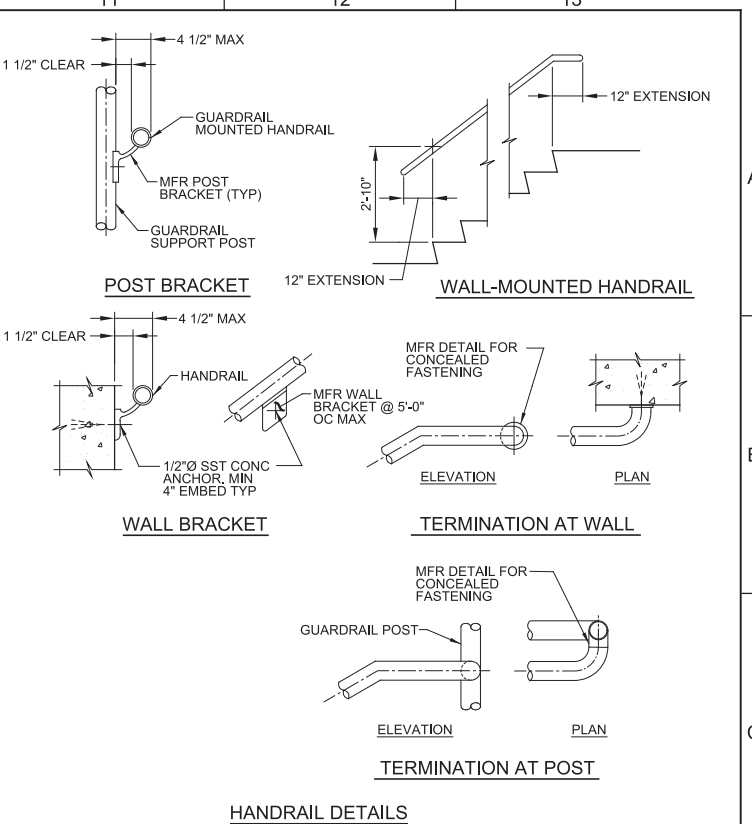
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LAST SAVED BY: BMullin

- NOTES:**
- PROVIDE GUARDRAILS AT STAIRS AND AT OPEN SIDED WALKING SURFACES THAT ARE ELEVATED MORE THAN 30" ABOVE GRADE OR ADJACENT CONSTRUCTION.
 - WHERE EQUIPMENT IS LOCATED LESS THAN 10' FROM EDGE OF ROOF AND ELEVATED MORE THAN 30" ABOVE GRADE OR ADJACENT CONSTRUCTION, PROVIDE 42" HIGH GUARDRAIL FORMING A PROTECTIVE BARRIER. PARAPET WALL 42" OR MORE IN HEIGHT MAY BE THE GUARDRAIL AT ROOF LOCATIONS.
 - SEE DRAWINGS AND SPECIFICATIONS FOR GUARDRAIL MATERIAL TYPE(S).
 - PROVIDE HANDRAIL AT BOTH SIDES OF EVERY STAIR HAVING 2 OR MORE RISERS.
 - PROVIDE CONTINUOUS HANDRAIL GRIPPING SURFACES FOR THE FULL LENGTH OF THE STAIR.
 - PROVIDE HANDRAIL EXTENSIONS AT BOTH SIDES OF STAIRS AT TOP AND BOTTOM. HANDRAIL EXTENSION ON STAIR MOUNTED GUARDRAIL MAY BE OMITTED WHERE IT IS PERPENDICULAR TO AND IMPEDES EXIT FLOW.
 - MAKE INSIDE HANDRAIL ON SWITCHBACK STAIRS CONTINUOUS.
 - FOR WALL MOUNTED HANDRAILS, PROVIDE SINGLE RAIL WITH TOP OF RAIL AT 2'-10" HEIGHT ABOVE LANDINGS OR TREAD NOSINGS. PROVIDE MATCHING HANDRAIL ON OPPOSITE SIDE.
 - GUARDRAIL SHALL BE FIXED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - PLACE CENTER OF EMBEDDED POSTS 6" FROM EDGE OF CONCRETE AND 6" FROM FRONT EDGE OF CONCRETE STAIR NOSINGS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - PLACE GUARDRAIL POSTS OPPOSITE EACH OTHER WHERE RAILINGS ARE PARALLEL.
 - FOR GUARDRAIL POSTS MOUNTED TO BEAM OR STAIR CHANNEL, PROVIDE MANUFACTURERS REINFORCED CONNECTION FROM POST TO PLATE. PLATE AND REINFORCED INSERTS SHALL BE ALUMINUM OR STAINLESS STEEL.
 - PROVIDE SLIDING JOINTS AT 24" MAX SPACING FOR EXPANSION OF RAIL AND KICKPLATE. LOCATE SLIDING JOINTS NEAR FACE OF POST. GAP AT TIME OF INSTALLATION SHALL BE BASED ON TEMPERATURE OF GUARDRAIL. PROVIDE 1/4" GAP AT 100°F AND 5/8" GAP AT 0°F. INTERPOLATE GAP FOR OTHER INSTALLATION TEMPERATURES. AT CONCRETE EXPANSION JOINTS, PROVIDE MINIMUM 1" GAP IN SLIDING JOINTS BUT NOT LESS THAN WIDTH OF CONCRETE EXPANSION JOINT. MAKE INSERT SLEEVES IN RAILS LONG ENOUGH TO ALLOW FOR THE FULL RANGE OF MOVEMENT.
 - MATERIAL FOR KICKPLATE CHANNEL SLIDING JOINT PLATES, SHALL BE OF THE SAME MATERIAL AS THE GUARDRAIL.
 - JOINTS FOR STAINLESS STEEL GUARDRAIL AND HANDRAIL SHALL BE COPED, WELDED, AND GROUND SMOOTH.
 - PROVIDE KICKPLATE AT ALL LOCATIONS EXCEPT AT SLOPING GUARDRAIL ON STAIRS AND WHERE GUARDRAIL IS MOUNTED ON A 4" MIN CURB. KICKPLATE MAY BE EXTRUDED OR BENT PLATE AND SHALL BE ATTACHED WITH SST BOLTS IN 5/16" x 3/4" SLOTTED HOLES. BOLT KICKPLATE TO POST WITH BOTTOM 1/4" CLEAR ABOVE FLOOR. FOR SIDE MOUNTED GUARDRAIL, PROVIDE STANDARD SPACER BLOCK BETWEEN POST AND KICKPLATE TO MAINTAIN 1/4" MAX CLEAR SPACING. HAND TIGHTEN AND CENTER PUNCH BOLT THREADS TO LOCK.
 - COAT SURFACES OF ALUMINUM IN CONTACT WITH CONCRETE AS SPECIFIED, PROVIDE NEOPRENE GASKET BETWEEN ALUMINUM AND STEEL.



- NOTES:**
- THIS DETAIL IS APPLICABLE AT PRIVATE STAIRS IN F, H, AND S OCCUPANCIES WHERE OPERATOR ONLY ACCESS IS REQUIRED. DETAILS AND INSTALLATION SHALL COMPLY WITH THE BUILDING CODE.
 - SEE SPECIFICATIONS AND DETAIL A340/TYP FOR ADDITIONAL REQUIREMENTS.
 - VARIOUS POST MOUNTING DETAILS ARE ILLUSTRATED. SEE DRAWINGS AND DETAIL A347/TYP FOR SPECIFIC MOUNTING REQUIREMENTS.
 - HANDRAIL EXTENSIONS ARE REQUIRED ON BOTH SIDES OF STAIR, EXCEPT WHERE INSIDE HANDRAIL IS CONTINUOUS AT SWITCHBACK STAIR.
 - AT CURB, USE EMBEDDED OR TOP MOUNTED POST AS INDICATED ON THE DRAWINGS.

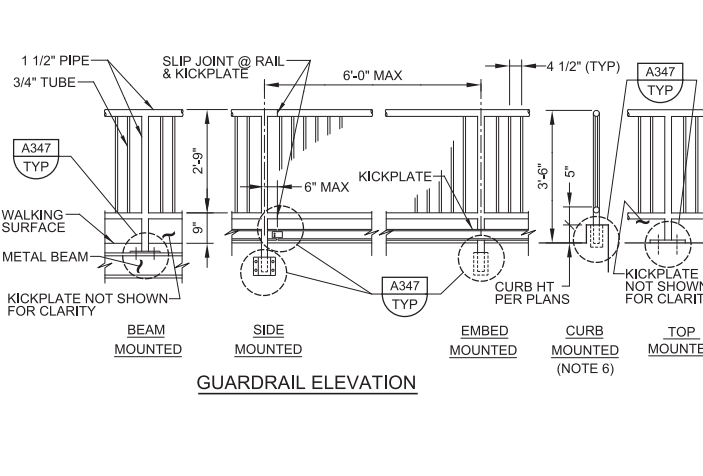
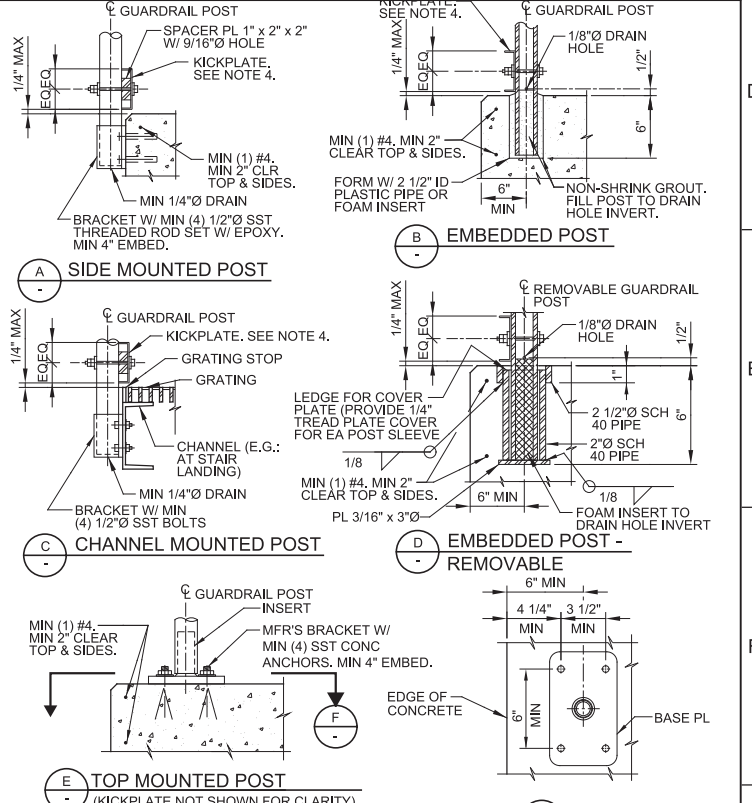
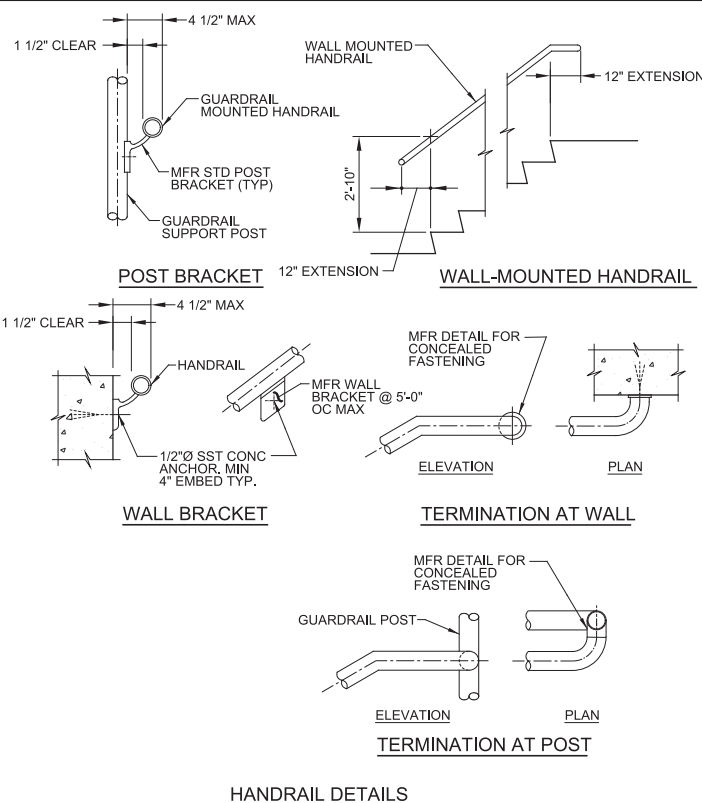
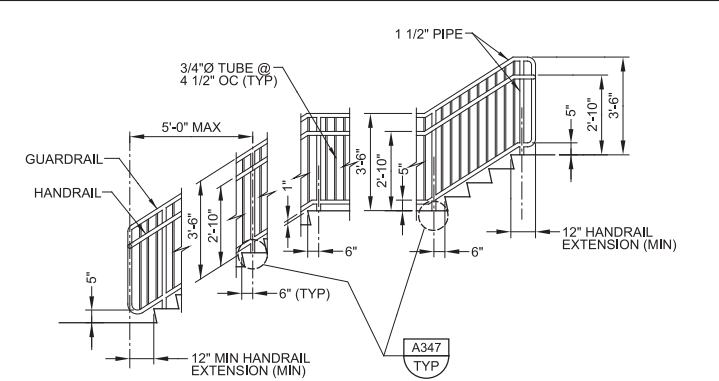
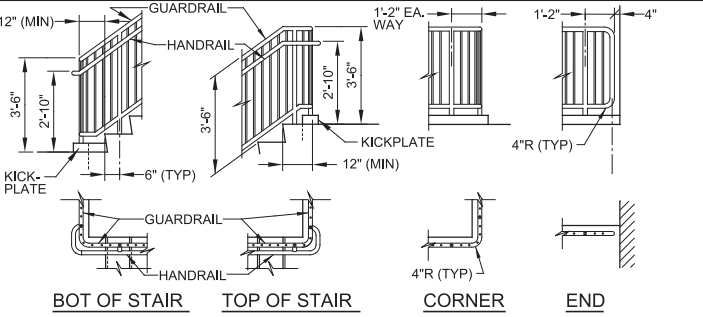


A340 TYP GUARDRAIL AND HANDRAIL NOTES
NS 09/01/15

A343 TYP THREE RAIL GUARDRAIL (PRIVATE USE)
NS SHEET 1 OF 3 08/24/15

A343 TYP THREE RAIL GUARDRAIL (PRIVATE USE)
NS SHEET 2 OF 3 08/24/15

A343 TYP THREE RAIL GUARDRAIL (PRIVATE USE)
NS SHEET 3 OF 3 08/24/15



- NOTES:**
- THIS DETAIL IS APPLICABLE AT STAIRS USED BY THE PUBLIC OR BY EMPLOYEES WHO MAY HAVE DISABILITIES. DETAILS AND INSTALLATION SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, THE BUILDING CODE, AND IN CALIFORNIA TITLE 24.
 - SEE SPECIFICATIONS AND DETAIL A340/TYP FOR ADDITIONAL REQUIREMENTS.
 - VARIOUS POST MOUNTING DETAILS ARE ILLUSTRATED. SEE DRAWINGS AND DETAIL A347/TYP FOR SPECIFIC MOUNTING REQUIREMENTS.
 - WHERE THIS DETAIL IS USED, STAIR RISERS SHALL HAVE CLOSED FACES. SEE STAIR TREAD AND RISER DETAILS.
 - HANDRAIL EXTENSIONS ARE REQUIRED ON BOTH SIDES OF STAIR, EXCEPT WHERE INSIDE HANDRAIL IS CONTINUOUS AS AT SWITCHBACK STAIR.
 - AT CURB, USE EMBEDDED OR TOP MOUNTED POST AS INDICATED ON THE DRAWING.

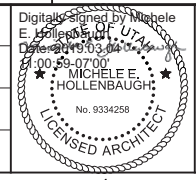
A345 TYP PICKET GUARDRAIL (PUBLIC / ADA USE)
NS SHEET 1 OF 3 08/24/15

A345 TYP PICKET GUARDRAIL (PUBLIC / ADA USE)
NS SHEET 2 OF 3 08/24/15

A345 TYP PICKET GUARDRAIL (PUBLIC / ADA USE)
NS SHEET 3 OF 3 08/24/15

A347 TYP GUARDRAIL MOUNTING DETAILS
NS SHEET 1 OF 2 09/01/15

DESIGNED MEH
DRAWN BMR
CHECKED JCA
DATE MARCH 2019



SV South Valley
WATER RECLAMATION FACILITY
7495 South 1300 West
West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
TYPICAL DETAILS
ARCHITECTURAL TYPICAL DETAILS 4

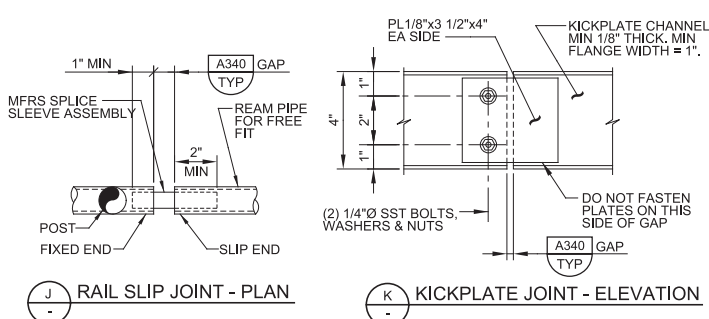
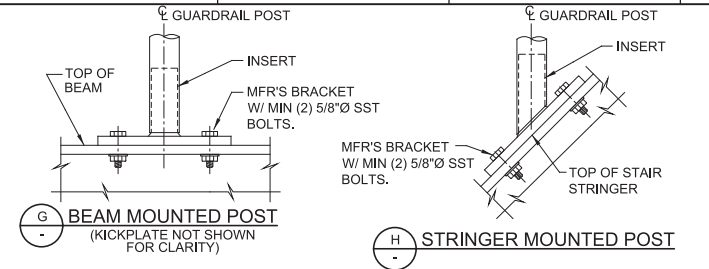
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JOB NO. 10548A.10
DRAWING NO. GA-06
SHEET NO. 56 OF 159

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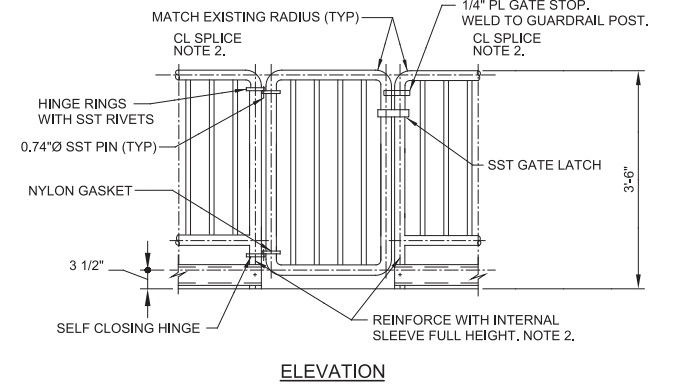
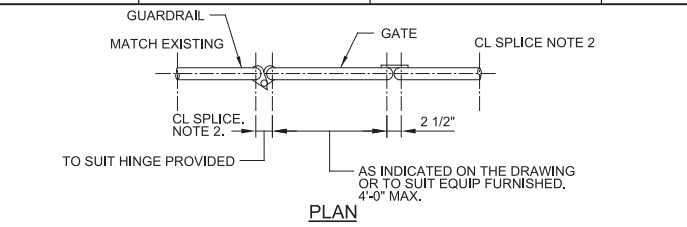
LAST SAVED BY: BMurillo



NOTES:

- FOR ADDITIONAL REQUIREMENTS, SEE DETAIL A340/TYP.
- SEE DRAWINGS FOR MATERIAL TYPES.
- COAT ALUMINUM SURFACES IN CONTACT WITH CONCRETE OR DISSIMILAR METALS AS SPECIFIED.
- KICKPLATE CONNECTION AT POST: MIN 3/4" HORIZONTAL SLOTTED HOLE IN CHANNEL W/ MIN 1/4" Ø BOLT, PROVIDE WASHER AND DOUBLE NUTS. INSIDE NUT FINGER-TIGHT TO PERMIT EXPANSION AND CONTRACTION.

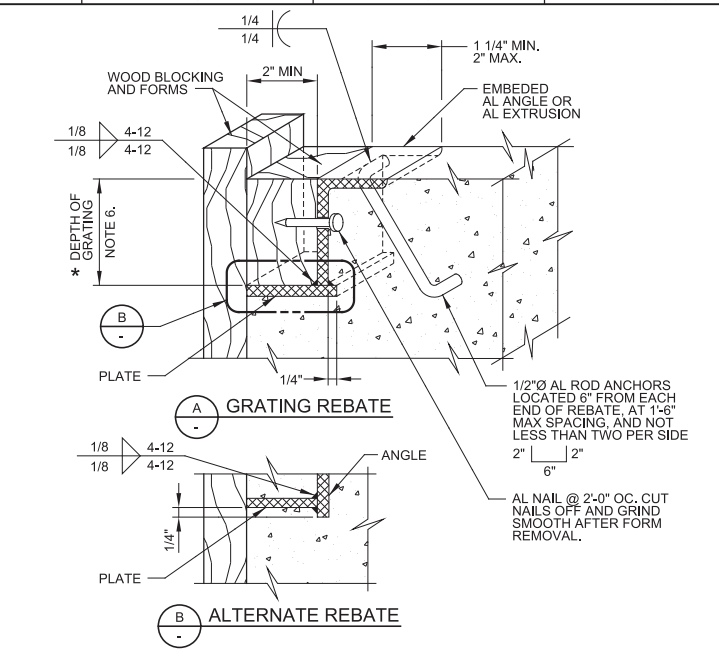
A347 GUARDRAIL MOUNTING DETAILS
TYP NS SHEET 2 OF 2 09/01/15



NOTES:

- GATE MATERIAL AND FINISH SHALL MATCH GUARDRAIL.
- SPLICE IN NEW GUARDRAIL TO MATCH EXISTING, PROVIDE NEW REINFORCED POSTS EACH SIDE OF GATE AS SHOWN. SPLICE AND MOUNT PER A347/TYP.

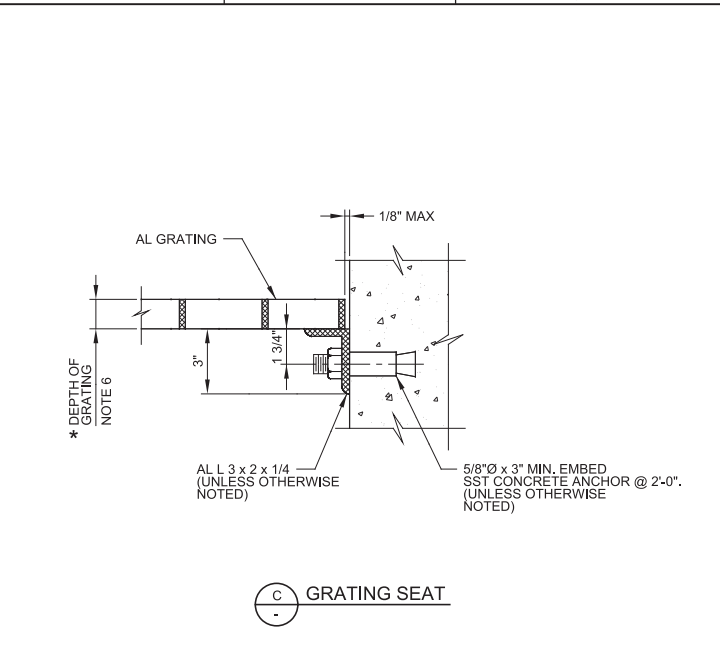
A353 GATE AT EXISTING PICKET GUARDRAIL
TYP R SHEET 1 OF 2 12/18/18



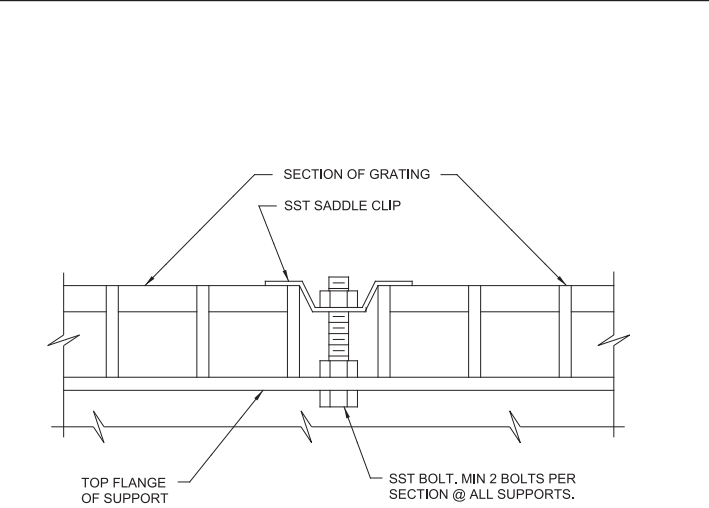
NOTES:

- SEE SPECIFICATIONS FOR ALUMINUM GRATING.
- MAKE REBATE AND/OR SEAT CONTINUOUS AROUND OPENING.
- EMBEDDED REBATE ANGLE AND PLATE SHALL BE 1/4" MINIMUM THICKNESS.
- REBATE MAY BE EXTRUDED, SUBJECT TO ENGINEER'S ACCEPTANCE.
- COAT ALUMINUM SURFACES IN CONTACT WITH CONCRETE AS SPECIFIED.
- * = DIMENSION AS REQUIRED BY GRATING MANUFACTURER. SEE SPECIFICATIONS.

A400 ALUMINUM GRATING REBATE AND SEAT
TYP NS SHEET 1 OF 2 04/03/17



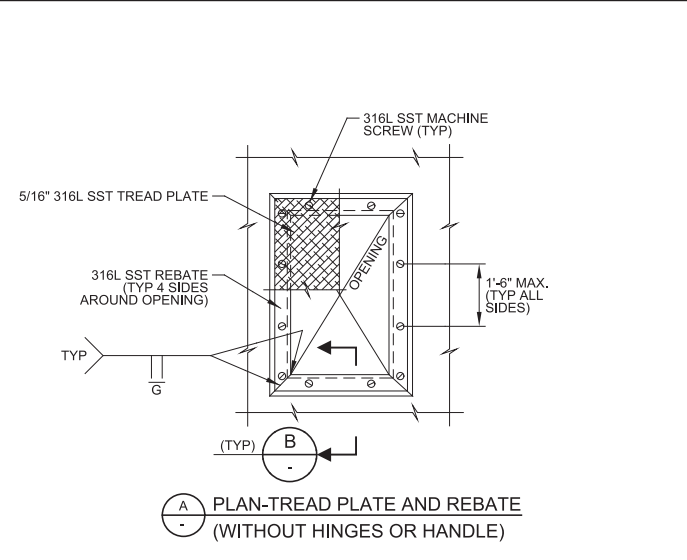
A400 ALUMINUM GRATING REBATE AND SEAT
TYP NS SHEET 2 OF 2 04/03/17



NOTES:

- GRATING FASTENERS SHALL BE INSTALLED WHERE INDICATED ON THE DRAWINGS.
- GRATING FASTENERS SHALL BE INSTALLED AT EACH CORNER OF EACH PANEL AND AT SPACING NOT TO EXCEED 8'-0".

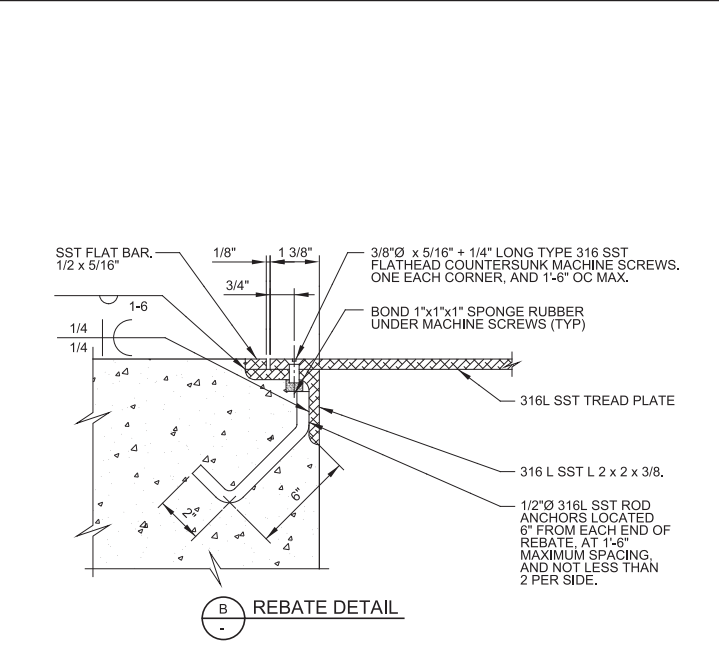
A414 GRATING FASTENERS
TYP NS SHEET 1 OF 2 08/01/05



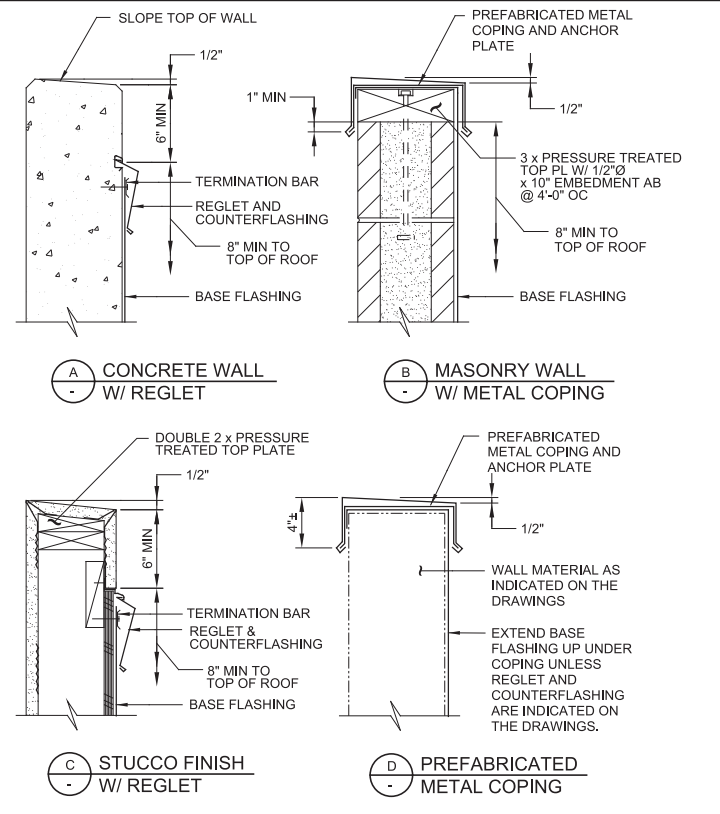
NOTES:

- OMIT PERIMETER MACHINE SCREWS WHERE HINGE IS INDICATED ON THE DRAWINGS.
- PROVIDE HINGE AND HANDLE WHERE INDICATED ON THE DRAWINGS.
- TREAD PLATE SHALL BE FABRICATED IN UNITS THAT DO NOT WEIGH MORE THAN 75 POUNDS.
- DESIGN LIVE LOAD: 100 PSF

A501 STAINLESS STEEL TREAD PLATE HATCH
TYP J SHEET 1 OF 2 02/13/19



A501 STAINLESS STEEL TREAD PLATE HATCH
TYP J SHEET 2 OF 2 02/13/19



A606 PARAPET DETAILS
TYP NS SHEET 2 OF 2 04/03/18

REV	DATE	BY	DESCRIPTION
1			
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DESIGNED MEH
DRAWN BMR
CHECKED JCA
DATE MARCH 2019

Digitally signed by Michele E. Hollenbaugh
DN: cn=MICHELE E. HOLLENBAUGH, o=Carollo, ou=Utah, email=mehollenbaugh@carollo.com, c=US
No. 9334258
LICENSED ARCHITECT

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West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
TYPICAL DETAILS
ARCHITECTURAL TYPICAL DETAILS 5

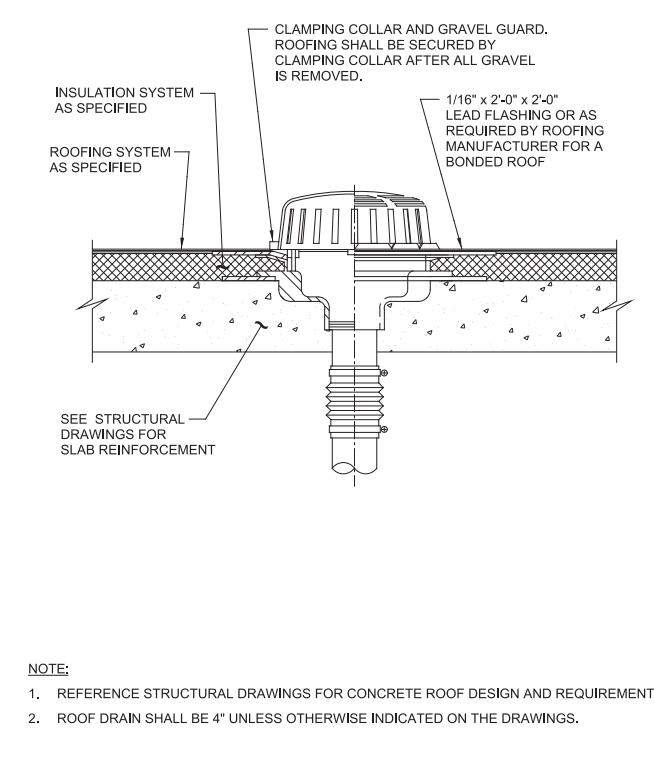
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DRAWING NO. GA-07
SHEET NO. 57 OF 159

Plot Date: 27-FEB-2019 12:33:38 PM

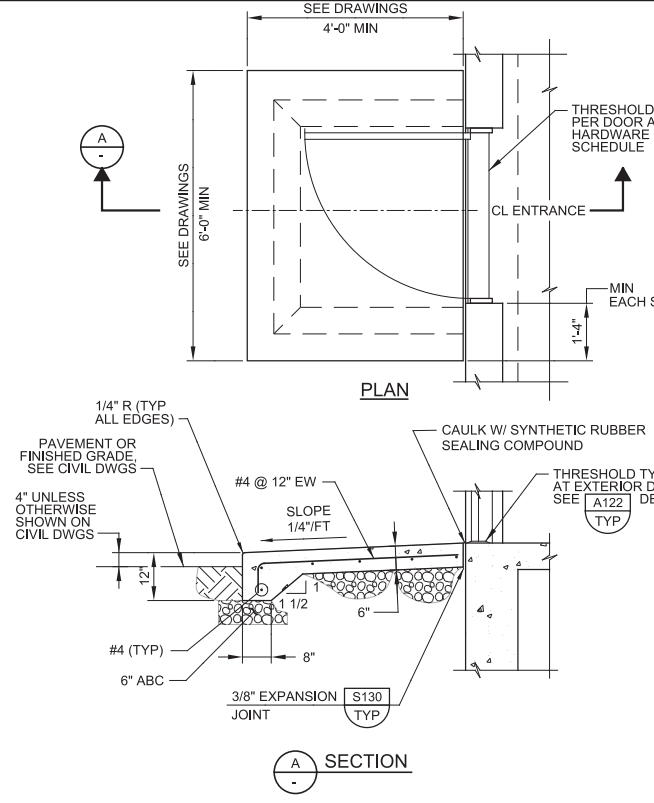
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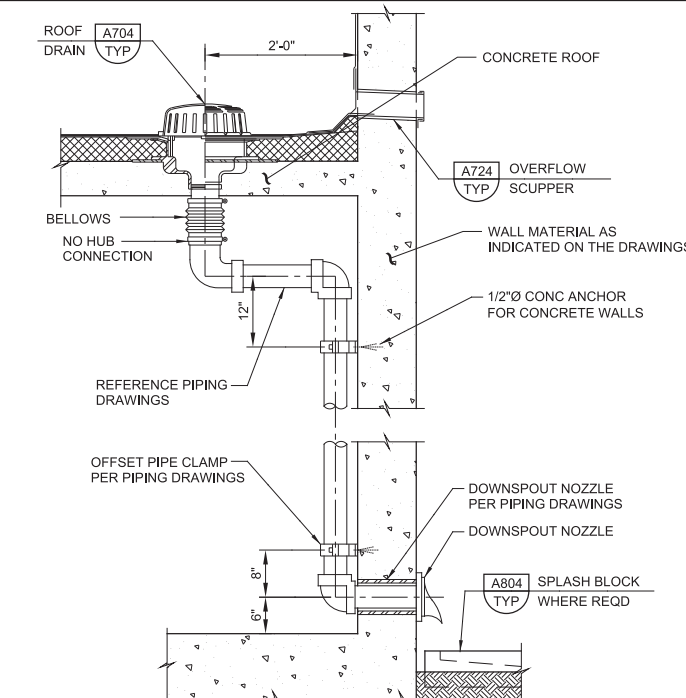
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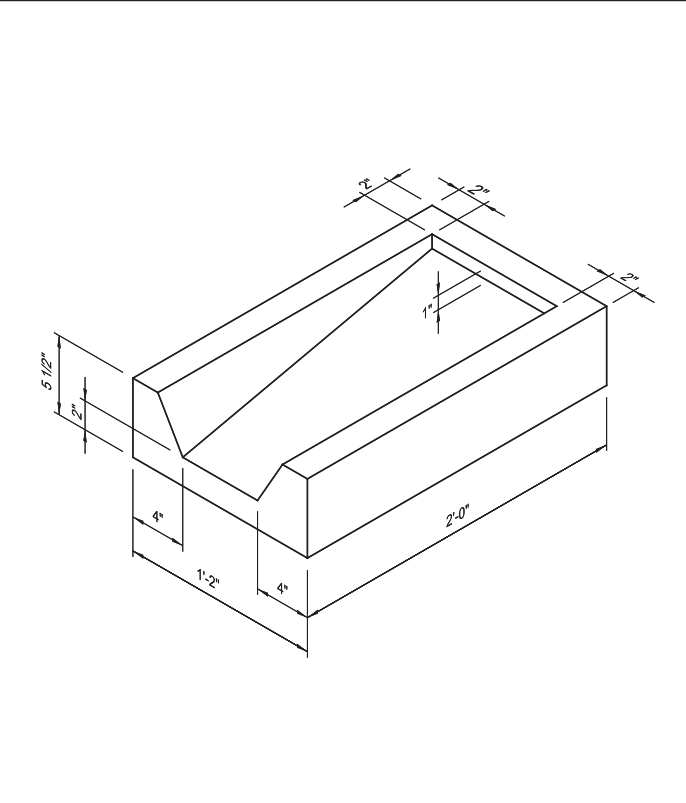
A704 ROOF DRAIN FOR CONC ROOF
TYP
08/01/05



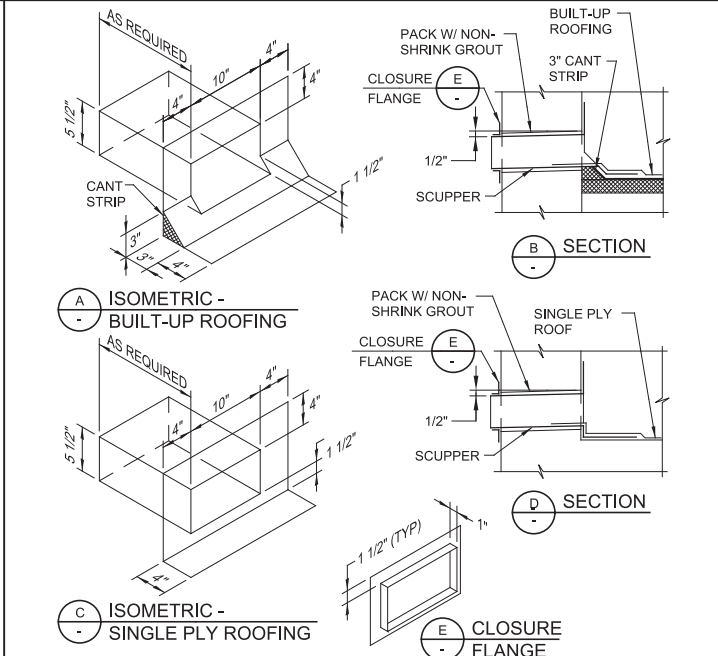
A802 ENTRANCE PAD
TYP
04/09/18



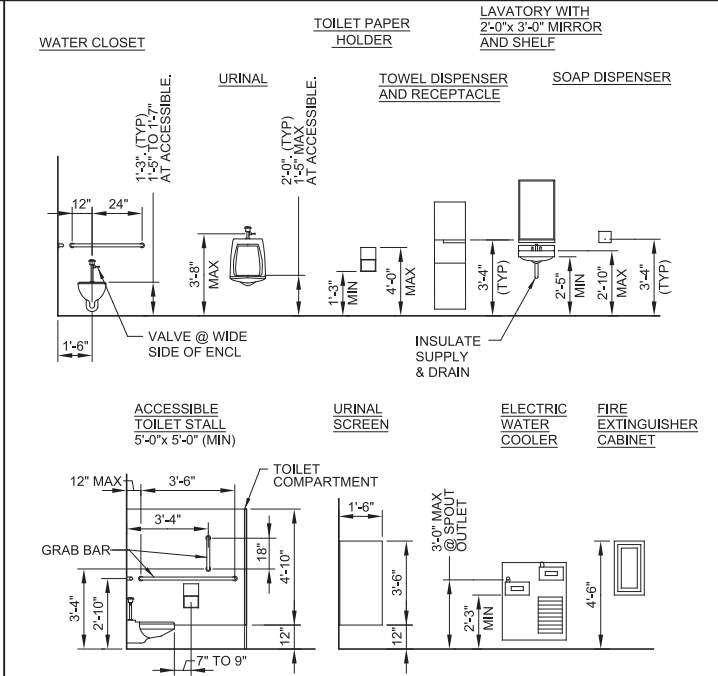
A707 ROOF DRAIN AND PIPING AT PARAPET FOR CONC ROOF
TYP
08/01/05



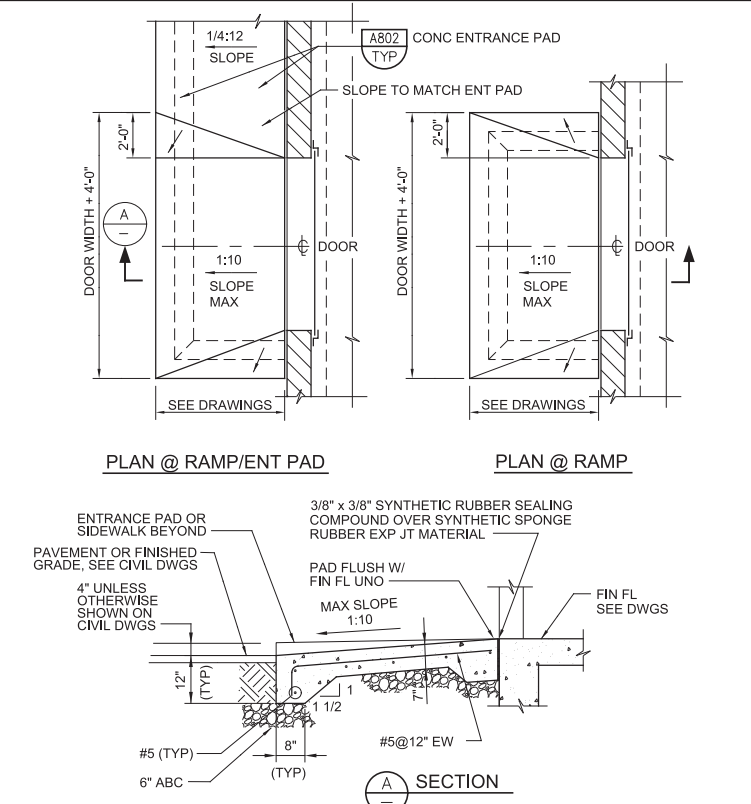
A804 CONCRETE SPLASH BLOCK
TYP
12/16/15



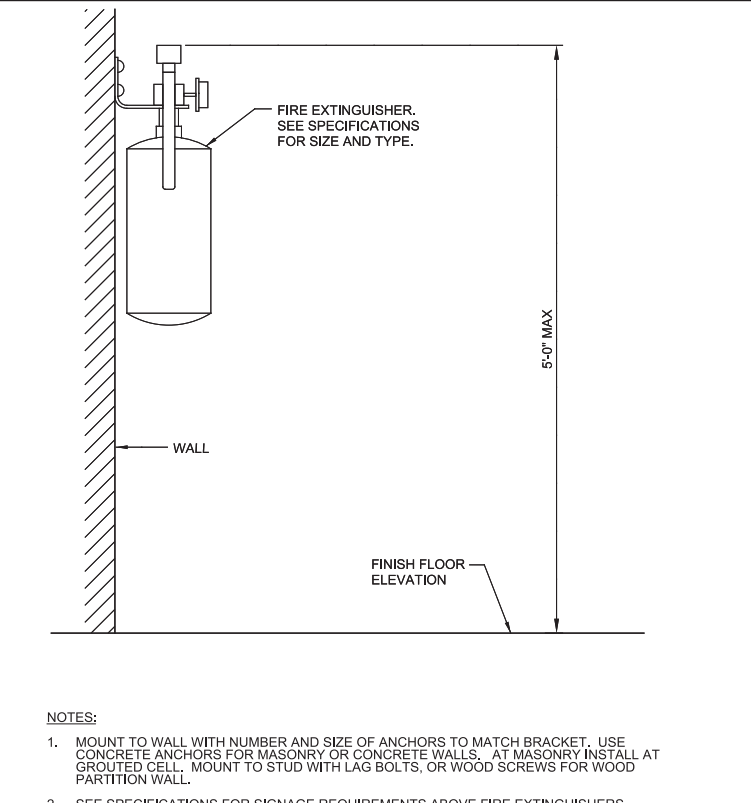
A724 OVERFLOW SCUPPER FOR BUILT-UP AND SINGLE PLY ROOFING
TYP
08/30/13



A816 ACCESSORY MOUNTING HEIGHTS
TYP
05/01/18



A801 RAMP AT COILING DOOR
TYP
04/09/18



A830 FIRE EXTINGUISHER
TYP
04/05/18

REV	DATE	BY	DESCRIPTION
1			
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3			

DESIGNED MEH
DRAWN BMR
CHECKED JCA
DATE MARCH 2019

Digitally signed by Michele E. Hollenbaugh
DN: cn=MICHELE E. HOLLENBAUGH, o=CAROLLO ARCHITECT, ou=CAROLLO ARCHITECT, email=M.Hollenbaugh@carollo.com, c=US

Carollo ARCHITECT
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SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
TYPICAL DETAILS
ARCHITECTURAL TYPICAL DETAILS 6

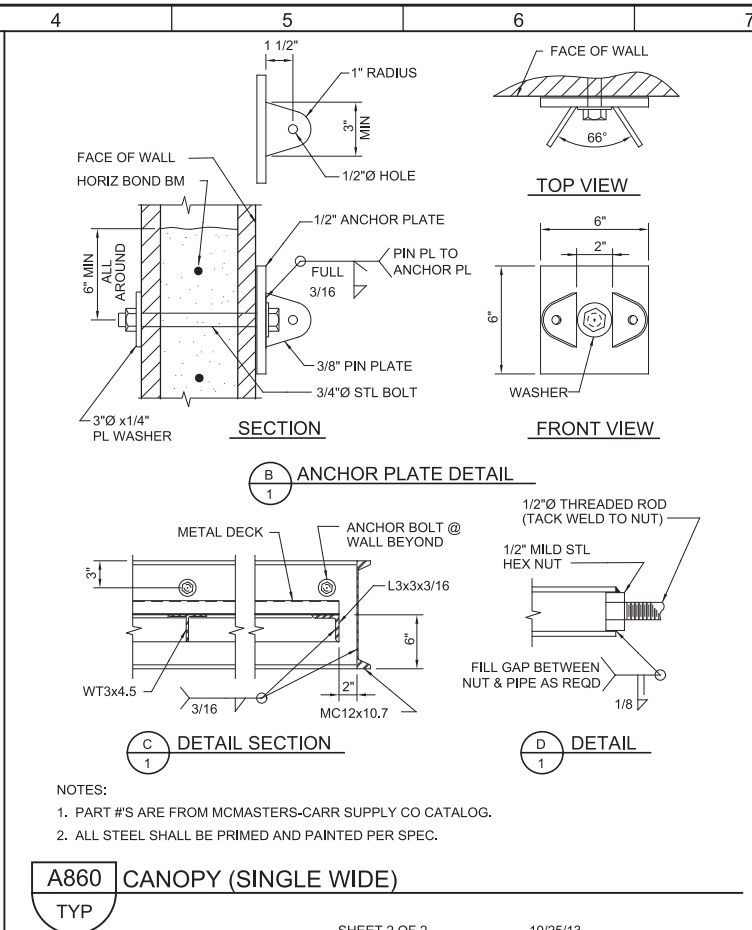
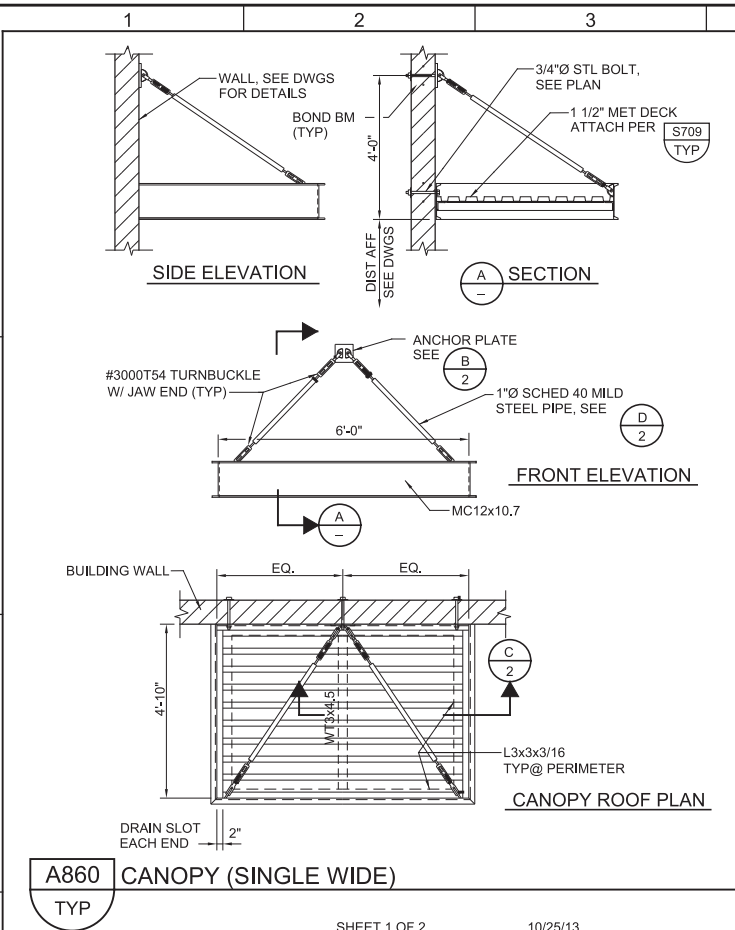
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JOB NO. 10548A.10
DRAWING NO. GA-08
SHEET NO. 58 OF 159

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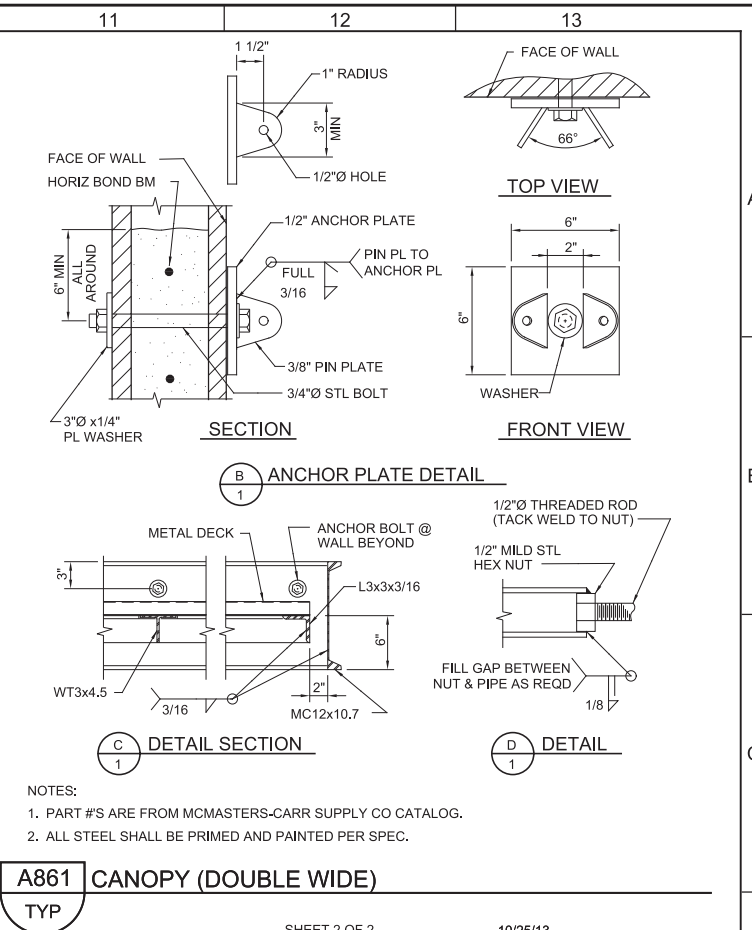
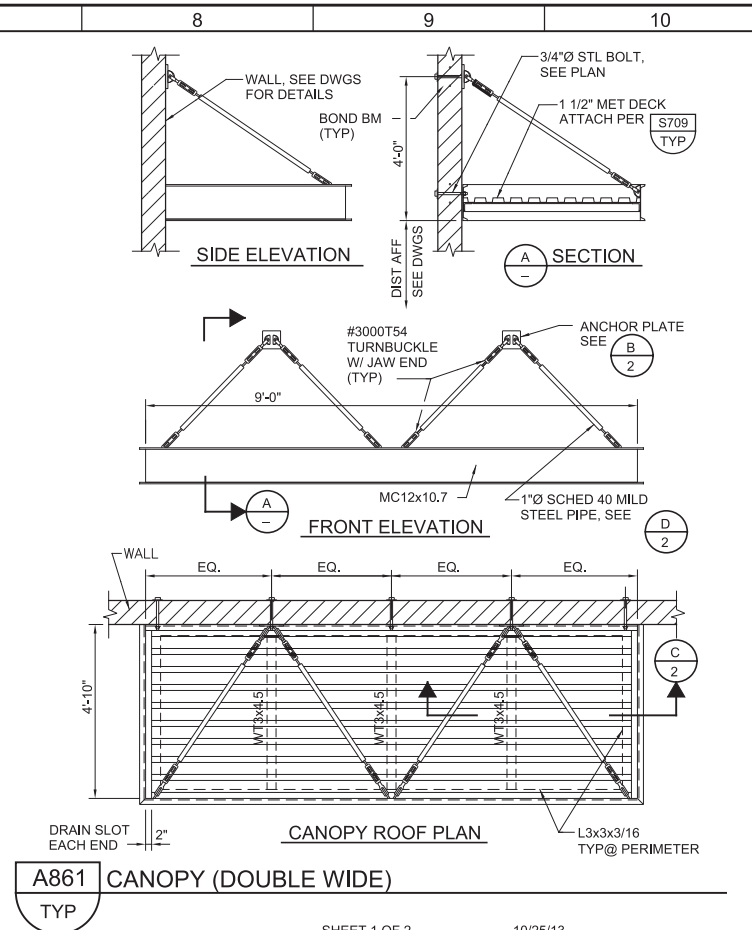
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LAST SAVED BY: BMurillo



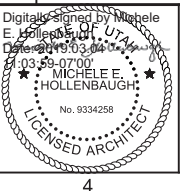
NOTES:
1. PART #'S ARE FROM MCMASTERS-CARR SUPPLY CO CATALOG.
2. ALL STEEL SHALL BE PRIMED AND PAINTED PER SPEC.



NOTES:
1. PART #'S ARE FROM MCMASTERS-CARR SUPPLY CO CATALOG.
2. ALL STEEL SHALL BE PRIMED AND PAINTED PER SPEC.

REV	DATE	BY	DESCRIPTION
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DESIGNED	MEH
DRAWN	BMR
CHECKED	JCA
DATE	MARCH 2019



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SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
TYPICAL DETAILS
ARCHITECTURAL TYPICAL DETAILS 7

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

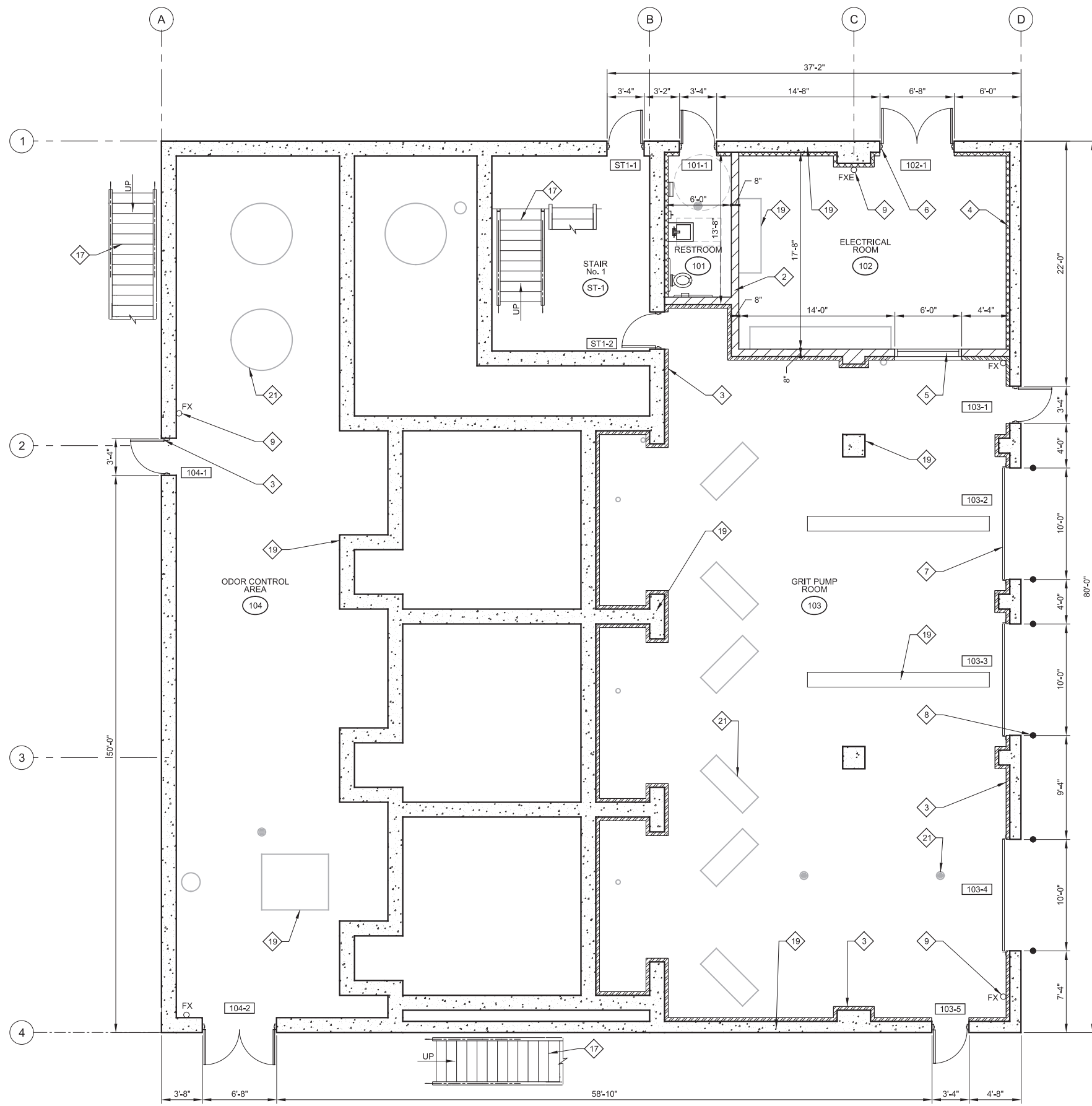
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DRAWING NO. **GA-09**
SHEET NO. 59 OF 159

Plot Date: 27-FEB-2019 2:57:18 PM

User: svcPW

Model: Layout1 ColorTable: gshade.ctb DesignScript: Carollo_Std_Pen_v0905.pen PlotScale: 2:1

LAST SAVED BY: BMurillo



- GENERAL NOTES:**
- EXTERIOR FACE OF ALL CONCRETE MASONRY UNITS SHALL BE FINISHED WITH WATER REPELLANT.
 - REFERENCE DRAWING GA-01 FOR DOOR SCHEDULES.
 - REFERENCE CIVIL DRAWINGS FOR EXTERIOR ENTRANCE PADS, SIDEWALKS, AND DRIVEWAYS.
 - REFERENCE STRUCTURAL DRAWINGS FOR ADDITIONAL CAST-IN-PLACE AND CONCRETE DIMENSIONS.
 - REFERENCE ELECTRICAL DRAWINGS FOR EQUIPMENT REQUIREMENTS.
 - REFERENCE DETAIL A816/TYP FOR RESTROOM FIXTURE MOUNTING REQUIREMENTS.

- KEY NOTES:**
NOT ALL KEY NOTES ARE APPLICABLE TO EACH DRAWINGS
- 12" x 8" x 16" CONCRETE MASONRY UNITS, COLOR AND TEXTURE TO MATCH EXISTING PLANT
 - 8" x 8" x 16" CONCRETE MASONRY UNITS, COLOR AND TEXTURE TO MATCH EXISTING PLANT
 - CLAD FOAM INSULATED FOAM CORE PANELS SYSTEM WITH R-11.4 of MINIMUM INSULATION, AS MANUFACTURED BY FIBER-TECH INDUSTRIES OR EQUAL
 - HAT CHANNELS FURRING STRIPS WITH RIGID INSULATION R-11.4 of MINIMUM AND GYPSUM BOARD
 - ALUMINUM WINDOW
 - HOLLOW METAL DOOR AND FRAME
 - OVERHEAD COILING DOOR
 - GUARD POST AT EACH SIDE OF COILING DOOR, C160/TYP
 - FIRE EXTINGUISHER, TYPE AS INDICATED, A830/TYP
 - MASONRY CONTROL JOINT
 - PVC ROOF MEMBRANE OVER TAPERED INSULATION SYSTEM, MEMBRANE SHALL MATCH EXISTING PLANT
 - RIGID INSULATION CRICKET
 - METAL COPING, A606/TYP
 - PRIMARY ROOF DRAIN, A704/TYP, A707/TYP
 - OVERFLOW SECONDARY SCUPPER, A724/TYP
 - DOWNSPOUT NOZZLE, ROOF DRAIN DISCHARGE
 - CONCRETE PAN STAIR, HANDRAIL AND RAILING, REFERENCE STRUCTURAL DRAWINGS
 - EXTERIOR LIGHT FIXTURES, REFERENCE ELECTRICAL DRAWINGS
 - REFERENCE STRUCTURAL DRAWINGS FOR CAST-IN-PLACE CONCRETE WALLS, COLUMNS, EQUIPMENT PLATFORM, GRATING, AND METAL COVERS
 - REFERENCE HVAC DRAWINGS FOR PENETRATION, DUCTWORK, AND EQUIPMENT REQUIREMENTS
 - REFERENCE MECHANICAL DRAWINGS FOR EQUIPMENT REQUIREMENTS
 - ALUMINUM LADDER OVER PARAPET WITH HANDRAIL ON BOTH SIDES OF LADDER, A252/TYP
 - CONCRETE SPLASH BLOCK, A804/TYP
 - METAL CANOPY WITH HANGAR ROD, A860/TYP, A861/TYP
 - ALUMINUM GRATING STAIR, HANDRAIL AND RAILING, REFERENCE STRUCTURAL DRAWINGS

A LOWER LEVEL PLAN
SCALE: 3/16" = 1'-0"
FILE: 10548A10A21101

REV	DATE	BY	DESCRIPTION
1			
2			
3			

DESIGNED MEH
DRAWN BMR
CHECKED JCA
DATE MARCH 2019

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DN: cn=MICHELE E. HOLLENBAUGH, o=Carollo, ou=Utah, email=mehollenbaugh@carollo.com, c=US
No. 9334258
LICENSED ARCHITECT



SV South Valley
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7495 South 1300 West
West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
ARCHITECTURAL
GRIT HANDLING FACILITY
LOWER LEVEL PLAN

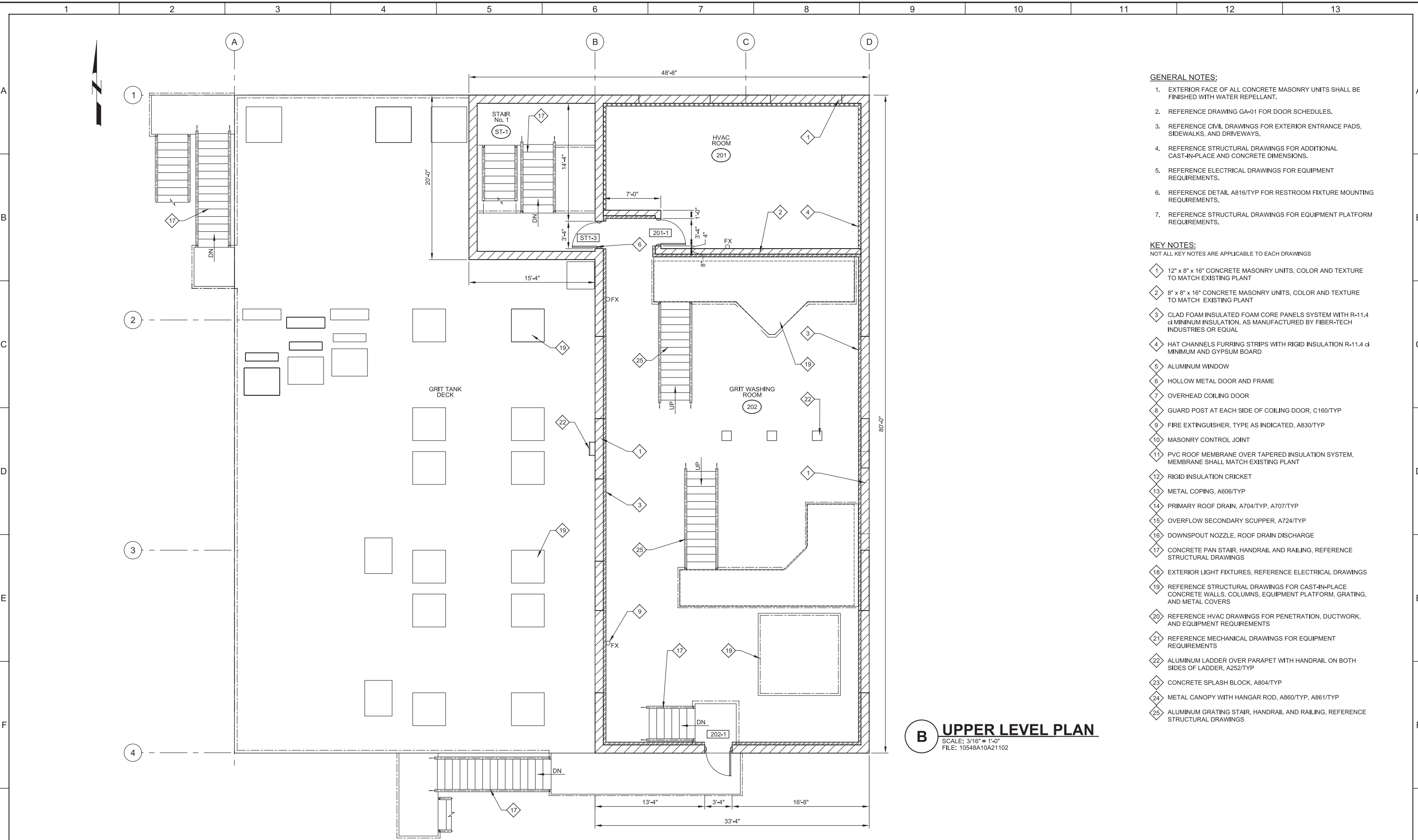
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Plot Date: 27-FEB-2019 2:57:20 PM

User: svcBW

Plot Scale: 2:1

LAST SAVED BY: BMurillo



B UPPER LEVEL PLAN
 SCALE: 3/16" = 1'-0"
 FILE: 10548A10A21102

GENERAL NOTES:

1. EXTERIOR FACE OF ALL CONCRETE MASONRY UNITS SHALL BE FINISHED WITH WATER REPELLANT.
2. REFERENCE DRAWING GA-01 FOR DOOR SCHEDULES.
3. REFERENCE CIVIL DRAWINGS FOR EXTERIOR ENTRANCE PADS, SIDEWALKS, AND DRIVEWAYS.
4. REFERENCE STRUCTURAL DRAWINGS FOR ADDITIONAL CAST-IN-PLACE AND CONCRETE DIMENSIONS.
5. REFERENCE ELECTRICAL DRAWINGS FOR EQUIPMENT REQUIREMENTS.
6. REFERENCE DETAIL A816/TYP FOR RESTROOM FIXTURE MOUNTING REQUIREMENTS.
7. REFERENCE STRUCTURAL DRAWINGS FOR EQUIPMENT PLATFORM REQUIREMENTS.

KEY NOTES:

NOT ALL KEY NOTES ARE APPLICABLE TO EACH DRAWINGS

- 1 12" x 8" x 16" CONCRETE MASONRY UNITS, COLOR AND TEXTURE TO MATCH EXISTING PLANT
- 2 8" x 8" x 16" CONCRETE MASONRY UNITS, COLOR AND TEXTURE TO MATCH EXISTING PLANT
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- 6 HOLLOW METAL DOOR AND FRAME
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- 16 DOWNSPOUT NOZZLE, ROOF DRAIN DISCHARGE
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- 18 EXTERIOR LIGHT FIXTURES, REFERENCE ELECTRICAL DRAWINGS
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- 25 ALUMINUM GRATING STAIR, HANDRAIL AND RAILING, REFERENCE STRUCTURAL DRAWINGS

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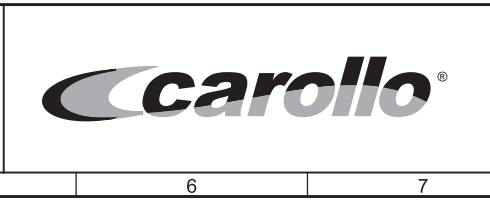
DESIGNED
MEH

DRAWN
BMR

CHECKED
JCA

DATE
MARCH 2019

02-29-07 00
MICHELE E. HOLLENBAUGH
No. 9334258
LICENSED ARCHITECT



SV South Valley
 WATER RECLAMATION FACILITY

7495 South 1300 West
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY

PROJECT 5
 ARCHITECTURAL

**GRIT HANDLING FACILITY
 UPPER LEVEL PLAN**

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 10548A.10
	DRAWING NO. A21-02
	SHEET NO. 61 OF 159

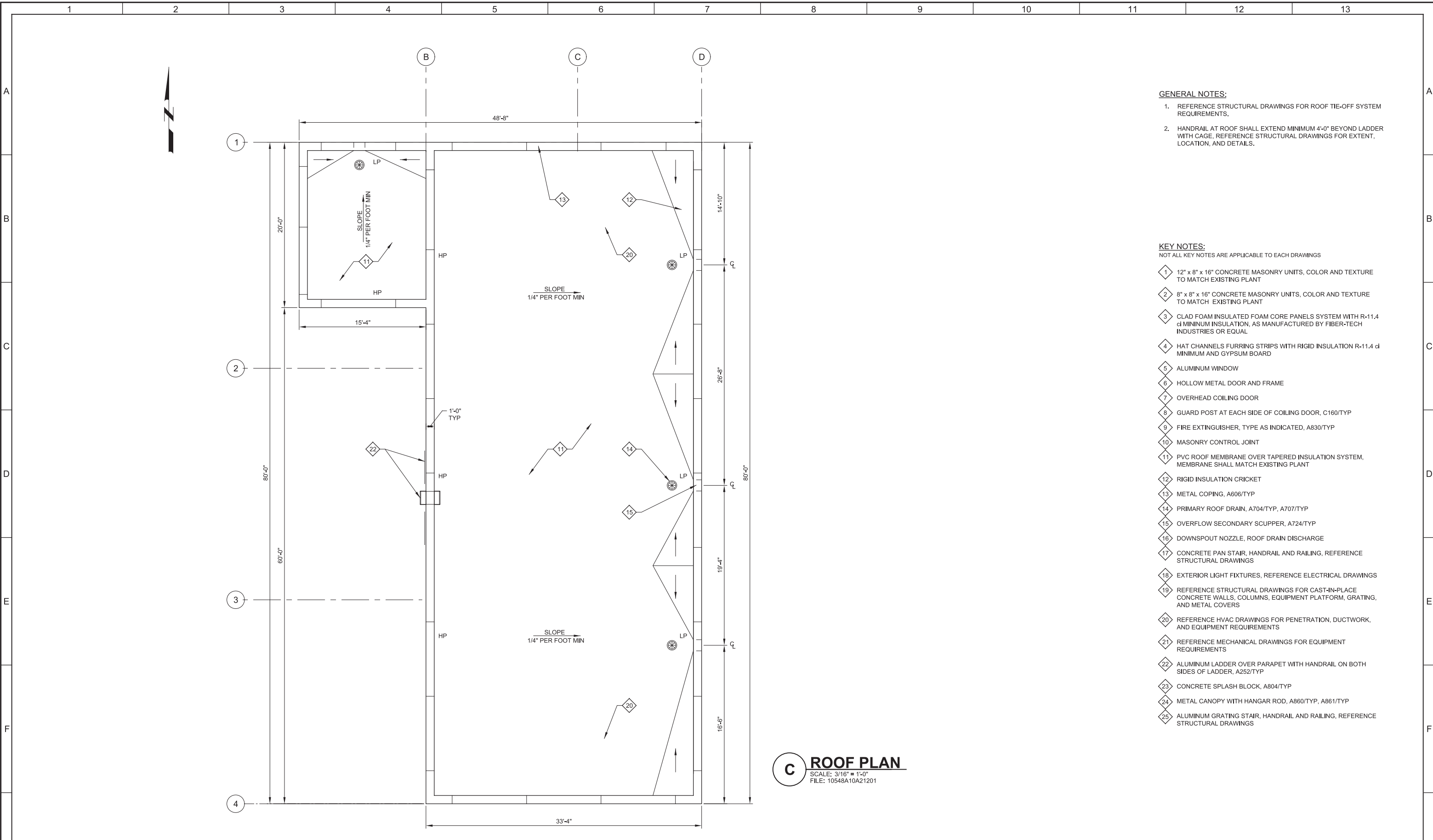
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Plot Scale: 2:1

Model: Layout1 ColorTable: gshade.ctb DesignScript: Carollo_Sld_Pen_v0905.pen PlotScale: 2:1

LAST SAVED BY: BMurillo



- GENERAL NOTES:**
1. REFERENCE STRUCTURAL DRAWINGS FOR ROOF TIE-OFF SYSTEM REQUIREMENTS.
 2. HANDRAIL AT ROOF SHALL EXTEND MINIMUM 4'-0" BEYOND LADDER WITH CAGE, REFERENCE STRUCTURAL DRAWINGS FOR EXTENT, LOCATION, AND DETAILS.

- KEY NOTES:**
NOT ALL KEY NOTES ARE APPLICABLE TO EACH DRAWINGS
- 1 12" x 8" x 16" CONCRETE MASONRY UNITS, COLOR AND TEXTURE TO MATCH EXISTING PLANT
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C ROOF PLAN
SCALE: 3/16" = 1'-0"
FILE: 10548A10A21201

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DESIGNED MEH
DRAWN BMR
CHECKED JCA
DATE MARCH 2019

Digitally signed by Michele E. Hollenbaugh
DN: cn=Michele E. Hollenbaugh, o=Carollo, ou=Utah, email=mehollen@carollo.com, c=US
Date: 2019.03.24 07:00
MICHELE E. HOLLENBAUGH
No. 9334258
LICENSED ARCHITECT



SV South Valley
WATER RECLAMATION FACILITY
7495 South 1300 West
West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY
PROJECT 5
ARCHITECTURAL
GRIT HANDLING FACILITY
ROOF PLAN

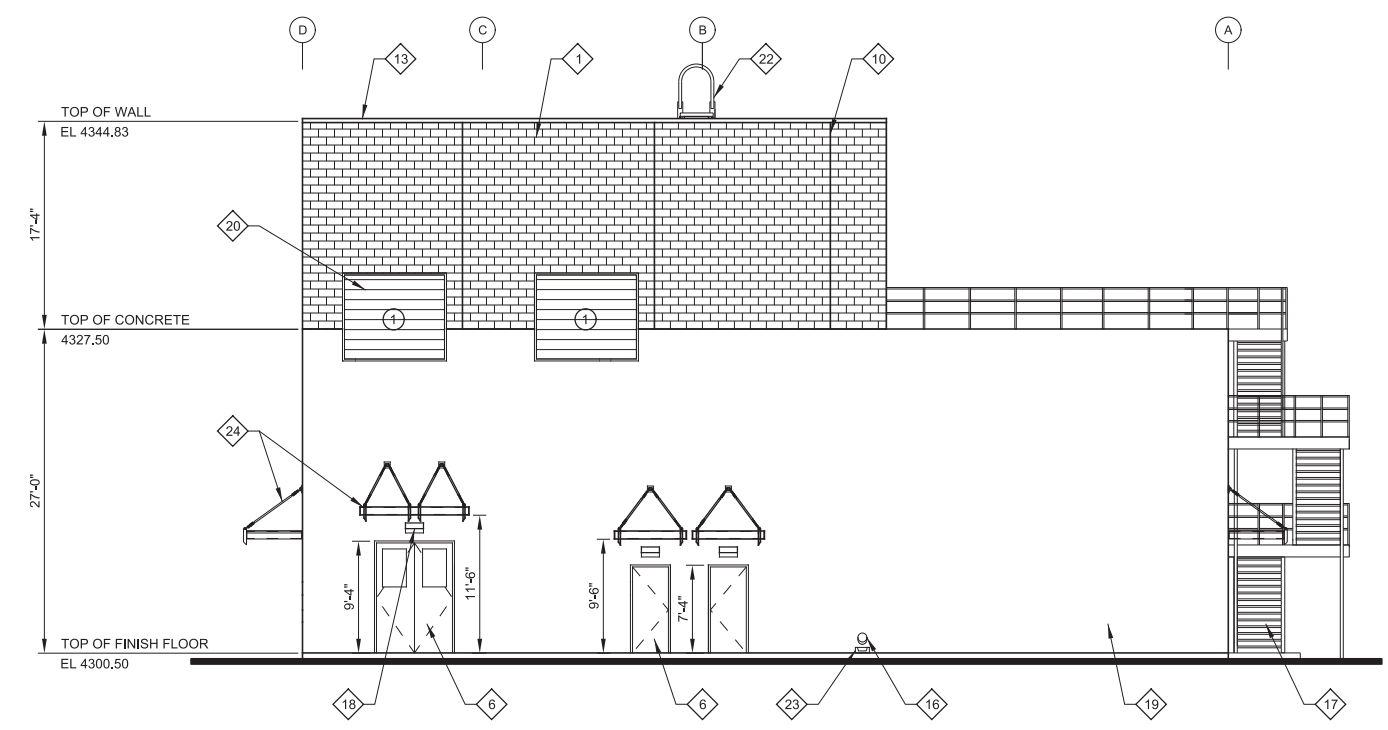
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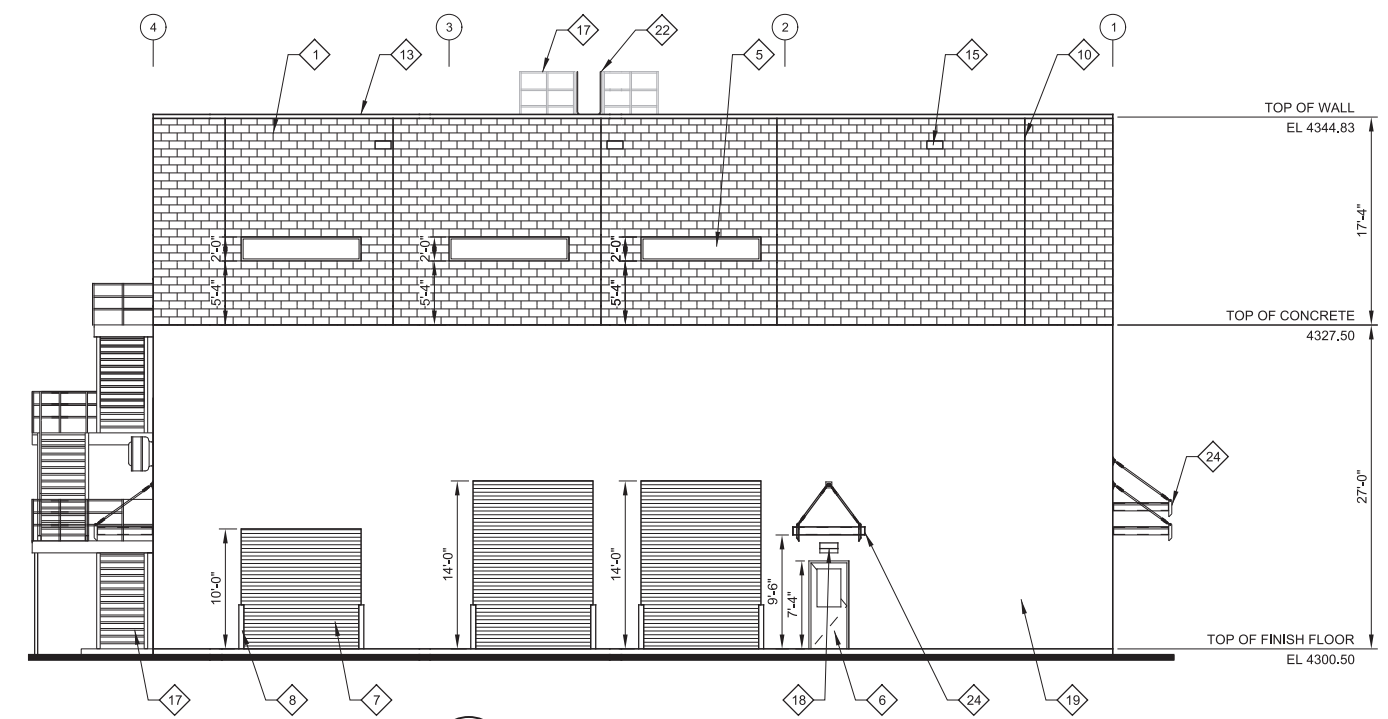
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D NORTH ELEVATION
 SCALE: 1/8" = 1'-0"
 FILE: 10548A10A21501



E EAST ELEVATION
 SCALE: 1/8" = 1'-0"
 FILE: 10548A10A21501

GENERAL NOTES:

1. EXTERIOR FACE OF ALL CONCRETE MASONRY UNITS SHALL BE FINISHED WITH WATER REPELLANT.
2. REFERENCE DRAWING GA-01 FOR DOOR SCHEDULES.
3. REFERENCE CIVIL DRAWINGS FOR EXTERIOR ENTRANCE PADS, SIDEWALKS, AND DRIVEWAYS.
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5. REFERENCE ELECTRICAL DRAWINGS FOR EQUIPMENT REQUIREMENTS.
6. REFERENCE DETAIL A816/TYP FOR RESTROOM FIXTURE MOUNTING REQUIREMENTS.
7. REFERENCE STRUCTURAL DRAWINGS FOR MASONRY CONTROL JOINTS LOCATION AND DIMENSIONS.

KEY NOTES:

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LOUVER SCHEDULE:

REFERENCE HVAC DRAWINGS FOR REQUIREMENTS

- 1 8'-8"W X 7'-4"H LOUVER

REV	DATE	BY	DESCRIPTION
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DESIGNED
MEH

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BMR

CHECKED
JCA

DATE
MARCH 2019

Digital signed by Michele E. Hollenbaugh
 00:45:07:00
 MICHELE E. HOLLENBAUGH
 No. 9334258
 LICENSED ARCHITECT



SV South Valley
 WATER RECLAMATION FACILITY

7495 South 1300 West
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY

PROJECT 5
 ARCHITECTURAL

GRIT HANDLING FACILITY
 NORTH AND EAST ELEVATIONS

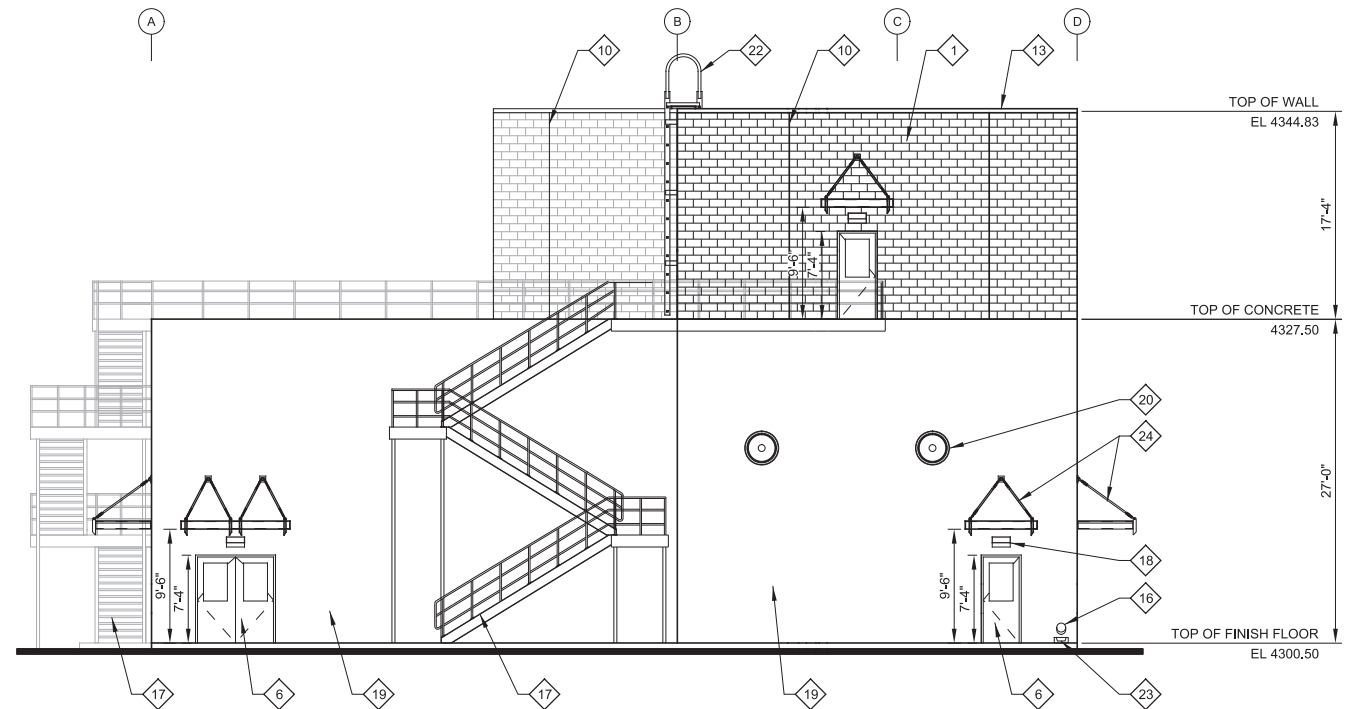
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	DRAWING NO. A21-04
	SHEET NO. 63 OF 159

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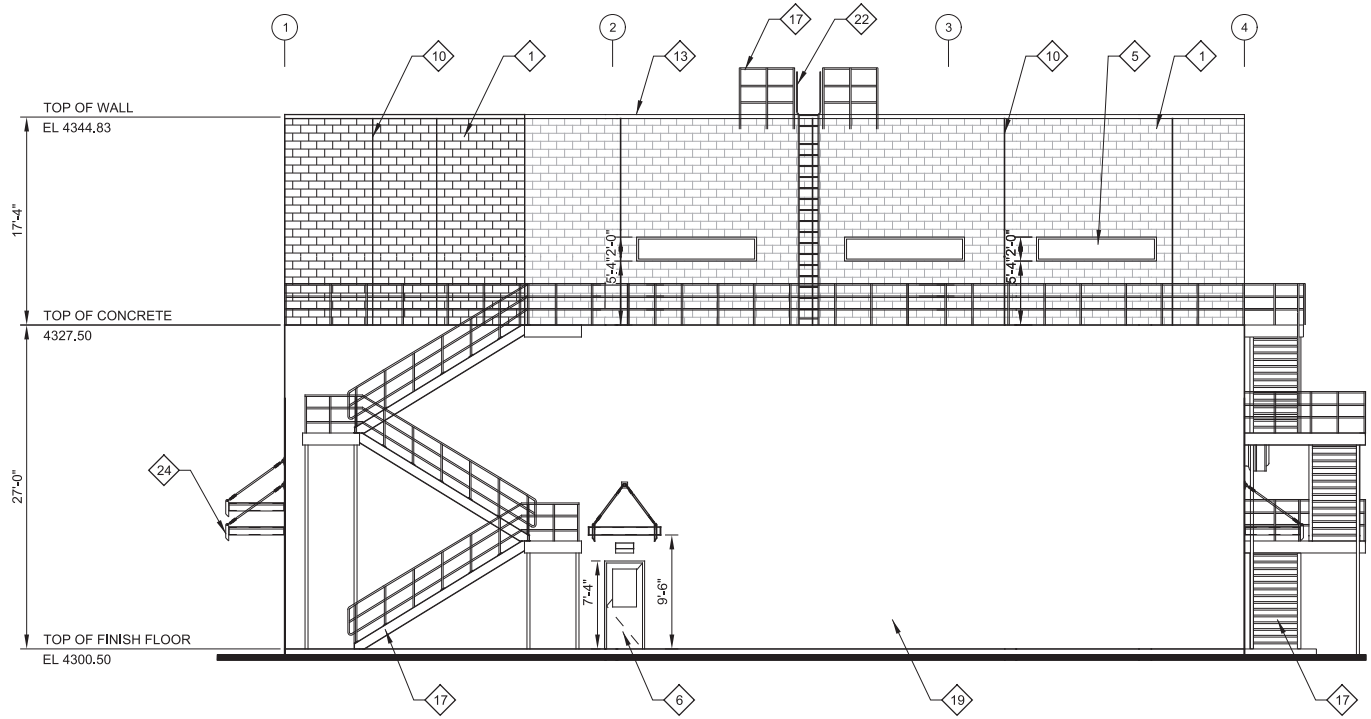
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LAST SAVED BY: BMurillo



F SOUTH ELEVATION
 SCALE: 1/8" = 1'-0"
 FILE: 10548A10A21501



G WEST ELEVATION
 SCALE: 1/8" = 1'-0"
 FILE: 10548A10A21501

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DESIGNED
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DRAWN
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JCA

DATE
MARCH 2019

Digital signed by Michele E. Hollenbaugh
 02-20-2019 07:00
 Michele E. HOLLENBAUGH
 No. 9334258
 LICENSED ARCHITECT



SV South Valley
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7495 South 1300 West
 West Jordan, Utah 84084

SOUTH VALLEY WATER RECLAMATION FACILITY

PROJECT 5
 ARCHITECTURAL

GRIT HANDLING FACILITY
SOUTH AND WEST ELEVATIONS

VERIFY SCALES
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

JOB NO.
10548A.10

DRAWING NO.
A21-05

SHEET NO.
64 OF 159