

**ADDENDUM NO 2
TO
CONTRACT DOCUMENTS
FOR
FINISHED WATER PUMP VAULT VENTILATION

DISTRICT PROJECT NO. 4371

7/20/2026**

This addendum is hereby attached to and made part of the Contract Documents. The addendum consists of 16 pages of written text (including this cover sheet) and 14 pages of drawings. Each Bidder shall acknowledge receipt of this addendum on the bid (page C-1) and by signing and attaching this addendum to the bid.

1. Replace **three** diamond hatch plates with (35"x41") with FRP bar grating to match existing grating in room. Contractor to field verify dimensions of hole under plate prior to fabrication.
2. Project shall include **three** fans in lieu of **two**. All shall have "pusher" orientation into vault. Contractor shall install new "rigid conduit" to each fan running in parallel from one fan timer.
3. Lighting for the vault should include **two** wall mounted light fixtures in lieu of four. Locate on the wall 84" above finished floor.
4. Provide **one** light switch and **one** HOA switch outside of the vault on the building interior wall near entrance. Install rigid conduit to match existing site as necessary for a fully functional system.
5. Provide one Flood switch routed back to programmable logic controller via existing conduit (assume 100' conductor)

BID DATE AND TIME

The bid date and time is extended one week until **7/31/2026** at 4:00 pm.

JORDAN VALLEY WATER CONSERVANCY DISTRICT



David McLean
Technical Program Leader

BIDDER'S CERTIFICATE

I acknowledge receipt of the foregoing **Addendum No. 2** and accept all conditions contained therein.

Bidder:_____

By:_____

Signature

Date:_____



Flatiron Constructors, Inc.

195 E. 600 S.
American Fork, UT 84003

Phone: 801-566-3418

TRANSMITTAL

No. 00405

PROJECT: Southwest Groundwater Treatment Plt

DATE: 11/5/2010

TO: Carollo Engineers

REF: Submittal 05500-001-R002

ATTN: Trent Martindale

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☒ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☒ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via: Mail	☐ Due Date:

ITEM NO.	COPIES	DATE	ITEM	NUMBER	REV. NO.	DESCRIPTION	STATUS
	0	11/5/2010	SUT	05500-001	R002	Dwg: Title: Grating, Hatches, stair nosings Desc: FRP Grating	NEW

Remarks:

REFERENCE SUBMITTAL
FOR EXISTING GRATING.
NEW TO MATCH.

CC:

Signed: Clint Bastian

Flatiron Constructors, Inc.

195 East 600 South
American Fork, UT 84003

Phone: 801-756-0404
Fax: 801-756-1184

SUBMITTAL
NO. 05500-001
PACKAGE NO: 5500

TITLE: Grating, Hatches, stair nosings
PROJECT: Southwest Groundwater Treatment Plt
DRAWING:
STATUS: NEW
BIC: CAROLLO

REQUIRED START: 3/16/2010
REQUIRED FINISH: 4/13/2010
DAYS HELD: 0
DAYS ELAPSED: 247
DAYS OVERDUE: 206

RECEIVED FROM
MAGMET MM

SENT TO
CAROLLO TM

RETURNED BY
CAROLLO TM

FORWARDED TO
MAGMET MM

Revision

No.	Description / Remarks	Received	Sent	Returned	Forwarded	Status	Sepias	Prints	Drawing Date	Held	Elapsed
R001	Alum & FRP Grating, Hatches, and Stair Nosing Please see attached shop drawings for section 05500 inclusive of 2.05 Metal Grating, 2.06 Alum Stair Nosing. Also please reference Specification section 06608 as pertains to FRP Grating. See also Specification Section 08310 Access Doors and Panels 2.02 and 2.03	3/3/2010	3/16/2010	4/30/2010	4/30/2010	OPN	0	0		0	58
R002	FRP Grating FRP Grating and W8x10 Beam supports	11/5/2010	11/5/2010			NEW	0	0		0	0

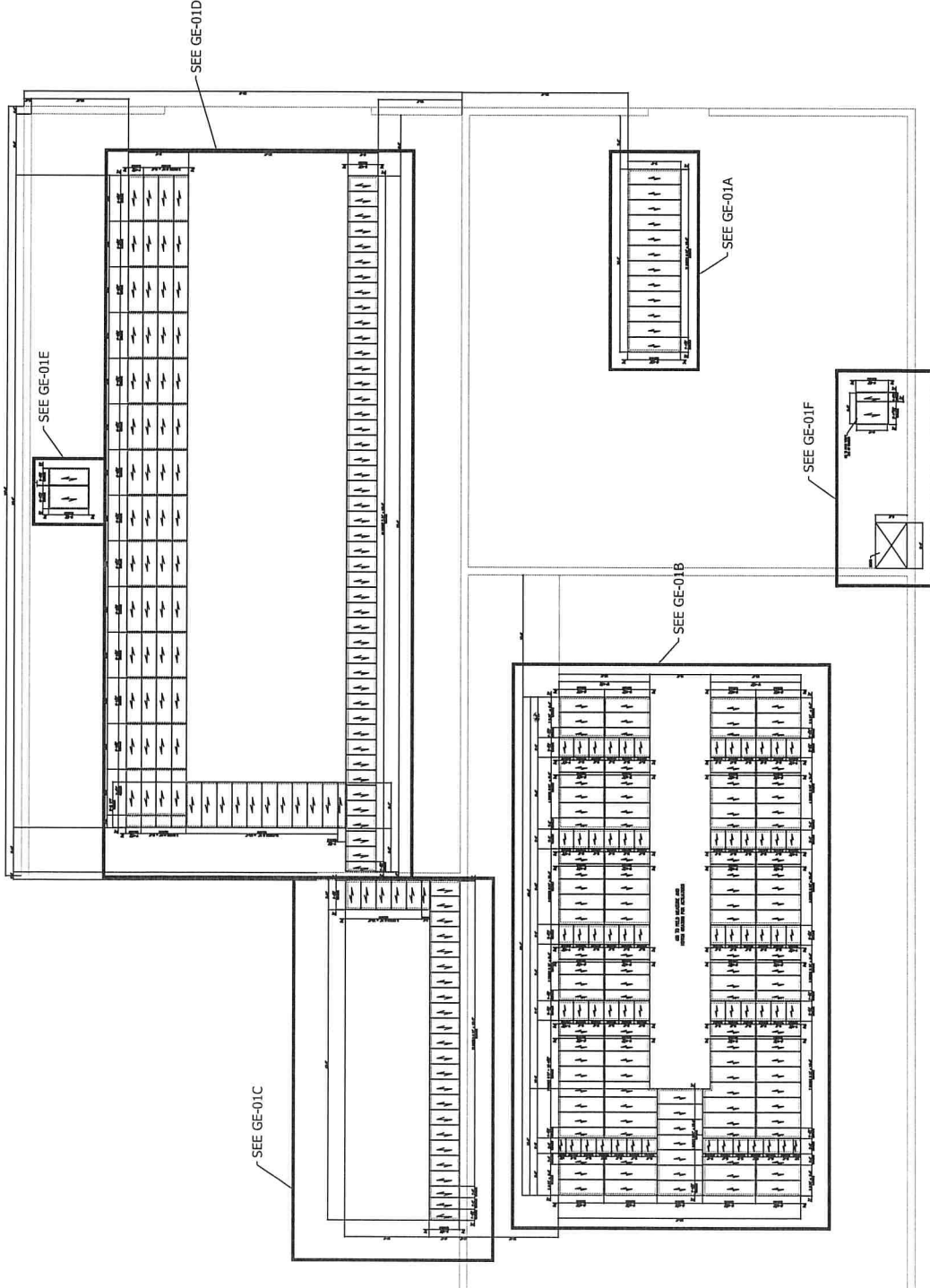
FOR APPROVAL

APPROVER PLEASE NOTE:
ANY VERIFICATION NOTES NOT RESPONDED TO ON
RETURNED PRINTS, WILL BE TAKEN AS APPROVED.

APPROVED _____ APPROVED AS CORRECTED _____
☐ RELEASED FOR FAB ☐ RELEASED FOR FAB
☐ RELEASED FOR FAB ☐ RELEASED FOR FAB
BY _____ DATE _____
REUSE AND RESUBMIT

PLEASE RETURN ONE PRINT TO:
GRATING SYSTEMS INC.

GS TO FIELD
MEASURE



RO BUILDING

CUSTOMER P.O. # 698
Magnuson Metals
Southwest Groundwater
Treatment Plant
West Jordan, Utah 84081

Approval Note:
Any Verifications
Noted on this drawing
Returned Prints Will
Be Taken As Approval

REVISIONS		DATE	BY	APP'D
1	REVISED PER SUBMITTAL 05/04/04	05-24-04		
GRATING SYSTEMS INC.				
3005 South Scott Lane				
West Haven, Utah 84401				
Tel. 801-921-4243				
MAGNUSON METALS				
SOUTHWEST GROUNDWATER				
TREATMENT PLANT				
WEST JORDAN, UTAH				
SCALE	NTS	PROJECT	GE-01	SHEET
		43975		1

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☐ RELEASED FOR FBI

☐ RELEASE PENDING - DO NOT BEGIN FABRICATION

_____ REVISE AND RESUBMIT

BY _____

DATE _____

PLEASE RETURN ONE PRINT TO:
GRATING SYSTEMS INC.



Notes for Fiberglass Grating.

The fiberglass reinforced grating shall be manufactured by American Grating. Grating shall be made from premium grade vinyl-ester resin polymer. The grating shall be dark gray in color, shall be 12' wide by 4' high, 40% open, and shall be 1/4" thick. The top surface of the grating shall be finished with a smooth, flat, finished top. All grating shall meet the ASTM E-84, Class I flame rating.

The grating shall support a uniform live load of 250 pounds per square foot at a clear span of 80" with a maximum deflection of 0.25 inches.



2	REVISIONS FOR SUBMITTAL (2008.04.14.000)	ITD	05-01-08
1	REVISIONS GENERAL NOTES	ITD	05-01-08
REV	DESCRIPTION	BY	DATE

R E V I S I O N S			
GRATING SYSTEMS INC. 3065 South Steel Lane West Haven, Utah 84401 TEL 801-921-4243 FAX 801-921-7311			

MAGNUM METALS SOUTHWEST GROUNDWATER TREATMENT PLANT WEST JORDAN, UTAH	
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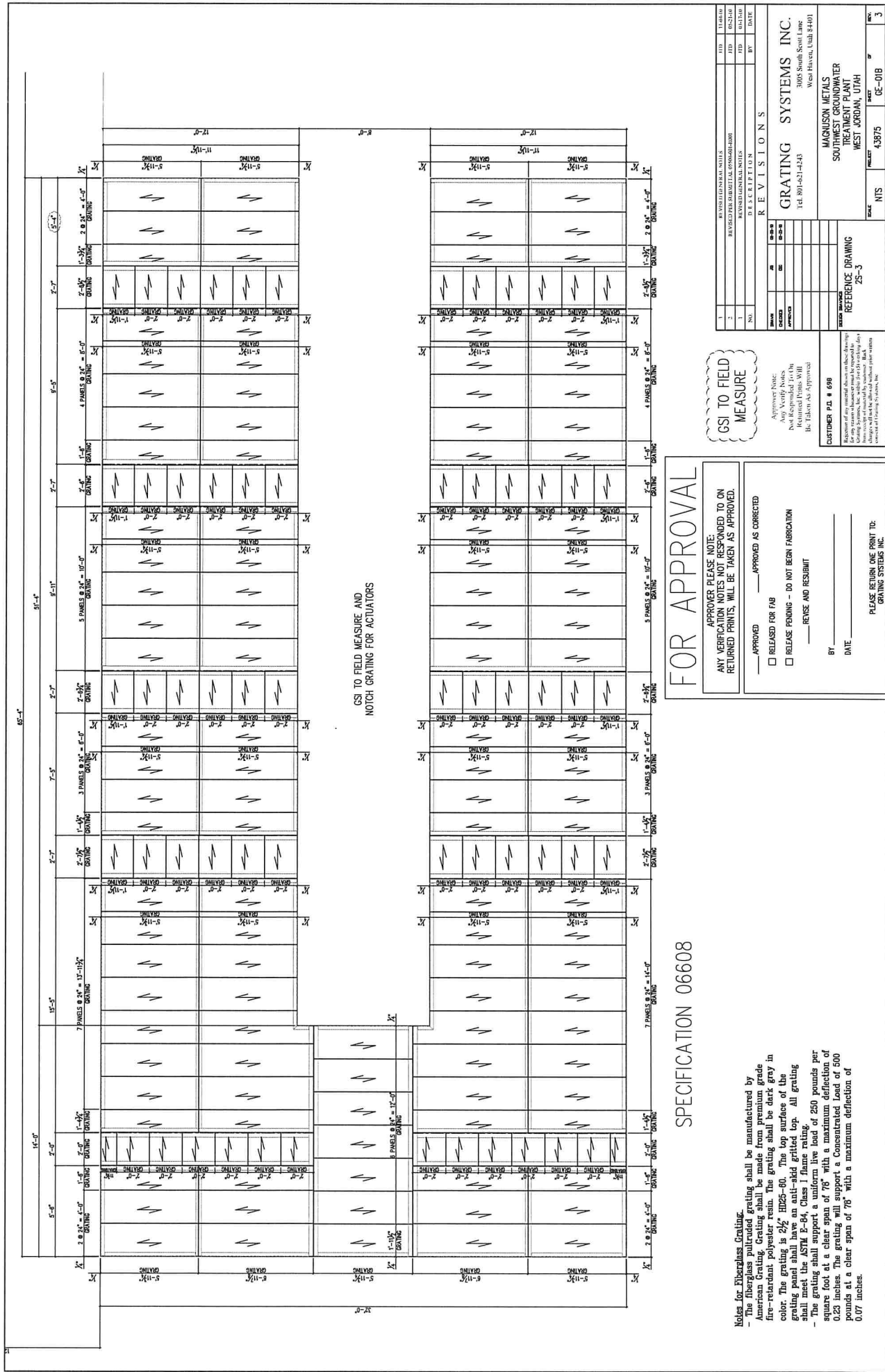
SCALE	PROJECT	SHEET	OF	NO.
NTS	43975	05-01A	2	

REVISIONS 25-3	REFERENCE DRAWING 25-3
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Answer Note
Any Verify Note
Not Responded To
Returned Prints W
Be Taken As Appl

CUSTOMER P.D. ■ 698

Rejection of any material shown on these drawings for any reason whatsoever shall be reported to Coating Systems, Inc. within five (5) working days from receipt of material by customer. Back charges will not be allowed without prior written consent of Coating Systems, Inc.



GSI TO FIELD MEASURE

FOR APPROVAL

SPECIFICATION 06608

Notes for Fiberglass Grating.

- The fiberglass pultruded grating shall be manufactured by American Grating. Grating shall be made from premium grade fire-retardant polyesters. The grating shall be dark gray in color. The grating is 2 1/2" H205-60. The top surface of the grating panel shall have an anti-slip gridded top. All grating shall meet the ASTM E-661, Class I flame rating. The grating shall support a load of 250 pounds per square foot at a clear span of 76" with a maximum deflection of 0.23 inches. The grating will support a concentrated load of 500 pounds at a clear span of 76" with a maximum deflection of 0.07 inches.

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APPROVED _____ APPROVED AS CORRECTED _____

RELEASED FOR FAB _____

RELEASE PENDING - DO NOT BEGIN FABRICATION _____

REUSE AND RESUBMIT _____

BY _____

DATE _____

PLEASE RETURN ONE PRINT TO:
GRATING SYSTEMS INC.

REVISIONS

NO.	DATE	BY	REVISION
1	11-11-11	JD	REVISED PER SUBMITTAL 06608-001
2	11-11-11	JD	REVISED PER SUBMITTAL 06608-001
3	11-11-11	JD	REVISED PER SUBMITTAL 06608-001

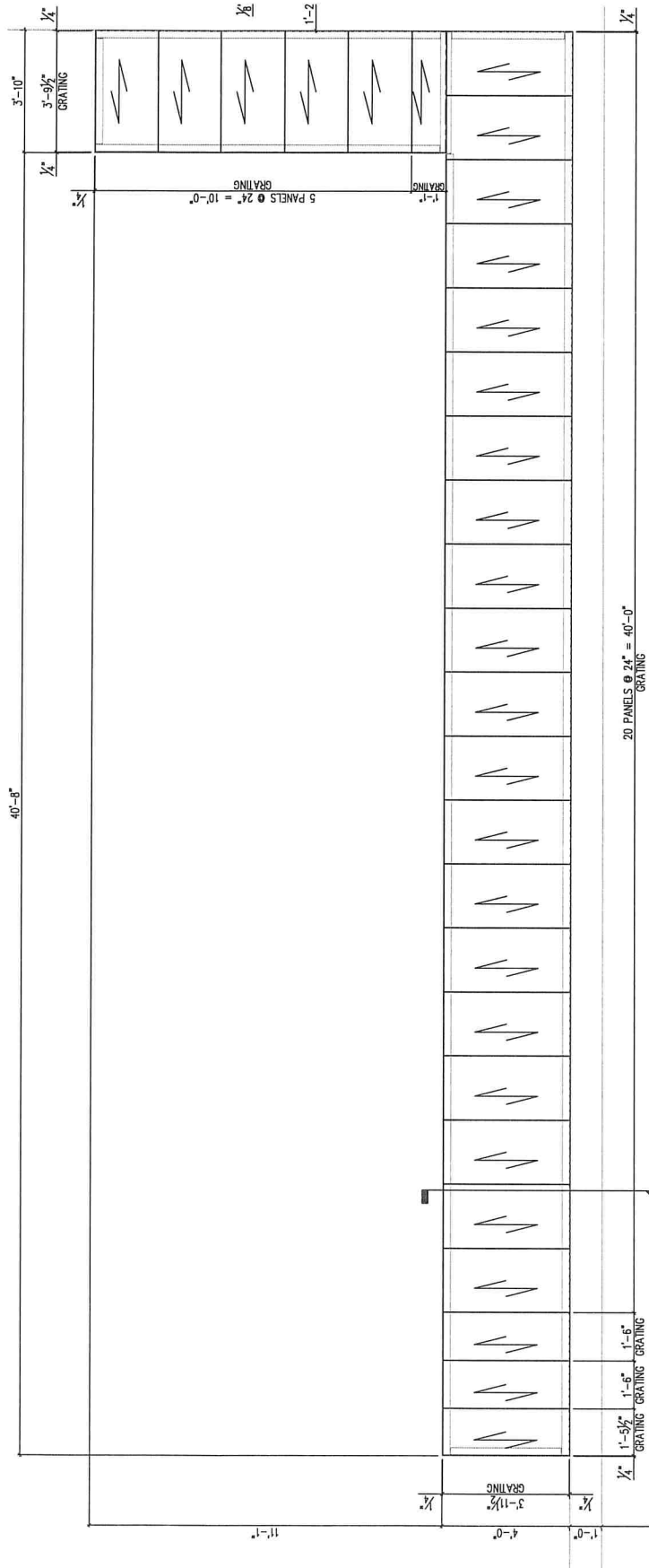
GRATING SYSTEMS INC.
3005 South Scott Lane
West Haven, Utah 84401

MACQUISON METALS
SOUTHWEST GROUNDWATER
TREATMENT PLANT
WEST JORDAN, UTAH

CUSTOMER P.O. # 698

REFERENCE DRAWING
25-3

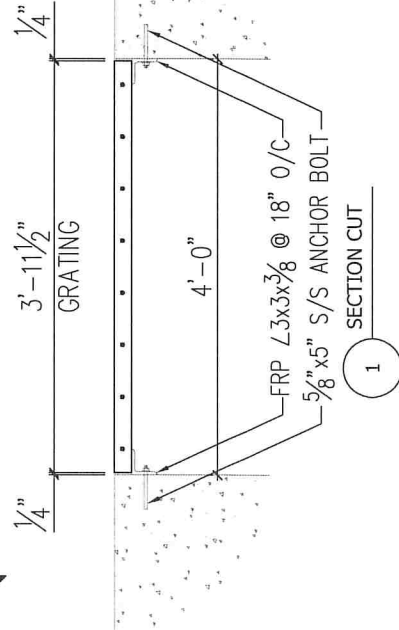
NTS 43875 CE-01B 3



Notes for Fiberglass Grating.

- The fiberglass pultruded grating is available in American Grating, Grating's fire-retardant polyester resin color. The grating is $1\frac{1}{2}$ " thick. The panel shall have an anti-slip surface. The grating shall meet the ASTM E-84, Class I flame spread and smoke developed. The grating shall support a square foot at a clear span of 0.19 inches. The grating will be installed at a clear span of 0.09 inches.

GOING TO FIELD MEASURE



FOR APPROVAL

APPROVER PLEASE NOTE:

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____ APPROVED _____ APPROVED AS CORRECTED

☐ RELEASED FOR FBI

☐ RELEASE PENDING - DO NOT BEGIN FABRICATION

REVERSE AND RESUBMIT

ay

DATE _____

PLEASE RETURN ONE PRINT TO:
GRATING SYSTEMS INC.

3	REVISI GENERAL NOTES	JTD	11-04-10
2	REVISI PER SUBMITAL (5500-01-00)	JTD	05-21-10
1	REVISI GENERAL NOTES	JTD	01-17-10
NO	D I S C R I P T I O N	BY	DATE

NAME		DATE	5-2-84
DESIGN		BY	5-9-84
APPROVED			

R E V I S I O N S

GRATING SYSTEMS INC.
 3005 South Scott Lane
 West Haven, Utah 84401
 Tel. 801-461-4243

GRATING SYSTEMS INC.

Tel. 801-621-4243

West Haven, Utah 84401

West Haven, Utah 84401

MAGNUSON METALS

SOUTHWEST GROUNDWATER
TREATMENT UNIT

IREMMENT PLAN
WEST JORDAN, ITALY

FILE	PROJECT	SHEET	OF	REV.
WEST JORDAN, UTAH				

25-3	SCALE	PROJECT	SHEET OF	REV.
	NTS	43875	GE-01C	3

CUSTOMER P.O. # 698

Retention of any material shown on these drawings for any reason whatsoever is the property of Galling Systems, Inc. within five (5) working days from receipt of material by customer. Back charges will not be allowed without prior written consent of Galling Systems, Inc.

**Approver Note:
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Be Taken As Approval**

FOR APPROVAL

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RETURNED PRINTS, WILL BE TAKEN AS APPROVED.

APPROVED _____ APPROVED AS CORRECTED

☐ RELEASED FOR FAB

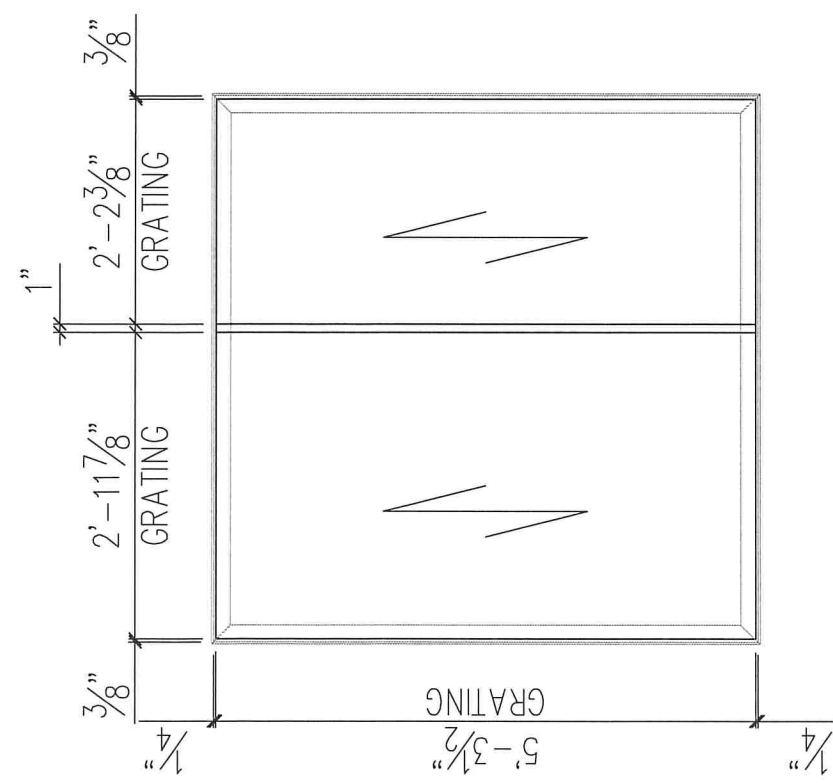
☐ RELEASE PENDING - DO NOT BEGIN FABRICATION

_____ REVISE AND RESUBMIT

BY _____

DATE _____

PLEASE RETURN ONE PRINT TO:
GRATING SYSTEMS INC.



SPECIFICATION 05500

CSI TO FIELD
MEASURE

- GENERAL NOTES:
1. ALL DETAILING AND FABRICATION PERFORMED IN ACCORDANCE WITH MANUFACTURING STANDARDS OF ARCHITECTURAL METAL MANUFACTURERS' STANDARDS.
 2. GRATING TO BE 19-S-4, 2" I-BAR BEARING BARS 1 1/4" CENTER TO CENTER, CROSS BARS AT 4" CENTER TO CENTER. TOP SURFACE OF BEARING BARS TO BE STRAIGHT, TO BE MANUFACTURED BY AMCO.
 3. SYMBOL INDICATES THE DIRECTION OF BEARING BAR SPAN.
 4. FINISH: ALL MATERIAL ALUMINUM.
 5. NOSING TYPE: NONE.
 6. ALL ALUMINUM GRATING MATERIAL SHALL CONFORM TO ASTM B221 (ALUMINUM ANODIZED) AND SHALL BE FINISHED IN ACCORDANCE WITH THE FOLLOWING: MAXIMUM METAL BAR GRATING MANUAL DESIGNATED ANS/ANAM M65 S31.
 7. GRATING PANELS ARE TO BE END BARRER, BAR SHALL BE 3/16" THICK (DEPTH OF BAR SHALL BE DEPTH OF BEARING BARS UNLESS NOTED OTHERWISE). OPENINGS NOTED AS TOE PLATE SHALL BE BARRER WITH 5 X 1/4" BAR, PROJECTING 4 INCHES ABOVE THE TOP OF THE GRATING.
 8. FIELD TO NOTCH ALL GRATING FOR HANDRAIL POSTS, GUSSET PLATES & ERECTION BOLTS.
 9. GRATING PANELS SHALL BE STORED TO THE STRUCTURAL STEEL WITH ALUMINUM SADDLE CLIPS AND TEX SCREWS, MINIMUM 4 PER PANEL.

2	REVISED PER SUBMITTAL (REVISED 08-01-01)	RTD	05-24-01
1	REVISED GENERAL NOTES	RTD	04-17-01
NOT		BY	DATE

REVISIONS

DATE	BY	REASON
05-24-01	RTD	REVISED PER SUBMITTAL
04-17-01	RTD	REVISED GENERAL NOTES

REFERENCE DRAWING
ZS-3

CUSTOMER P.O. # 698

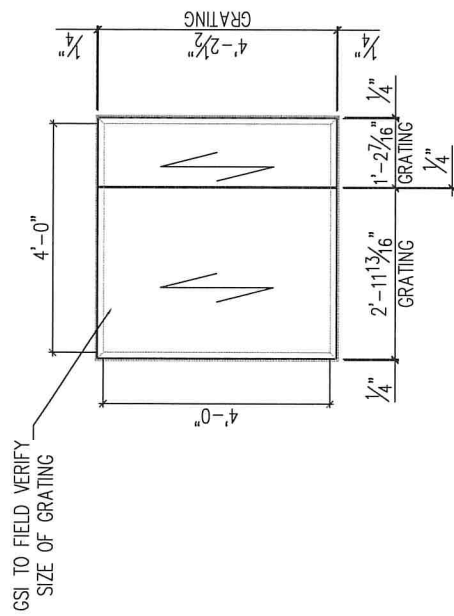
Approval Note:
Any Verifier Notes
Noted on this drawing
Returned Prints Will
Be Taken As Approved

Customer P.O. # 698
Drawing is for use on the project
for any other use without the
written consent of the manufacturer
changes will not be allowed without prior written
consent of Grating Systems, Inc.

DATE	NTS	43875	GE-01E	REV.	2
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GRATING SYSTEMS INC.
3005 South Scott Lane
West Haven, Utah 84401

MAGNUSON METALS
SOUTHWEST GROUNDWATER
TREATMENT PLANT
WEST JORDAN, UTAH



APPROVER PLEASE NOTE:
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_____ REUSE AND RESUBMIT

BY _____

DATE _____

PLEASE RETURN ONE PRINT TO:
GRATING SYSTEM INC.

SPECIFICATION 06608 & 08310

GSI TO FIELD MEASURE

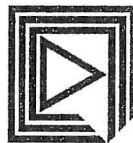
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Approver Note:
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CUSTOMER P.O. # 698

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Approver Note:
Any Verify Notes
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Returned Prints Will
Be Taken As Approved



GREENE STRUCTURAL ENGINEERING INC
2091 EAST 1300 SOUTH #102
SALT LAKE CITY, UTAH 84108
PHONE: 1-801-487-9595
FAX: 1-801-487-9422
EMAIL: gseinc@qwest.net

BY: DKG
DATE: 1/5/2010

JOB #: **10110**

JOB NAME :

SW GROUND WATER
TRENCH BEAMS

CLIENT: MAGNUSON METALS

CLIENT #: 316

DESIGN CRITERIA
CODES:

O UBC 1997

O IBC 2000

● IBC 2003

AND IBC 2006
AND IBC 2009

CONCRETE:

REINFORCING: Grade 60

TIMBER: DF #2 or better

GLULAMS: 24 F V8

STEEL: Wide Flange 50 Ksi
Others 36 Ksi

SOIL:

FROST DEPTH:

UBC SEISMIC ZONE:

LOADINGS:
GRATING LOAD

DEAD LOAD: 10 Psf
LIVE LOAD : 250 Psf
TOTAL LOAD 260 Psf

FLOOR

N/A
DEAD LOAD N/A
PARTITION N/A Psf
LIVE LOAD N/A Psf
TOTAL LOAD N/A Psf

IBC CRITERIA

ROOF LIVE LOAD N/A Psf
GRATING LIVE LOAD 250 Psf
BASIC WIND SPEED N/A MPH.

EXPOSURE

SEISMIC CATEGORY: N/A

SITE CLASS N/A

SEISMIC USE GROUP N/A

SPECTRAL RESPONSE N/A

COEFFICIENT: N/A

Sds: N/A

Sdt: N/A

BASIC SEISMIC FORCE N/A

RESISTING SYSTEM: N/A

DESIGN BASE SHEAR SEE CALCS
SEISMIC ANALYSIS LAT
PROCEDURE: EQUIV LOAD

SNOW LOAD 1
EXPOSURE 1
SNOW LOAD 1
IMPORTANCE 1





GREENE STRUCTURAL
ENGINEERING Co.

SHEET
NO:

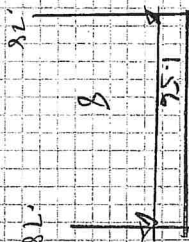
2

DATE:
BY:

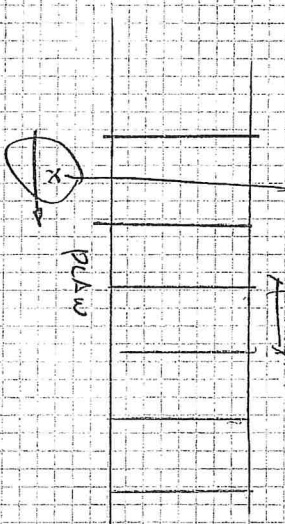
$$\begin{array}{r} D/L = 10 \\ L_c = 250 \\ \hline T_c = 260 \text{ psf} \end{array}$$

$$W = 6 \times 260 = 1.56$$

w 8 x 10
See next
sheet



6" p 0/L 5



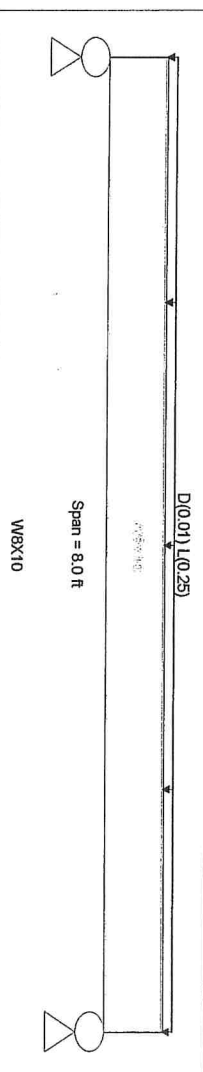
Job #

ENERCALC, INC. 1983-2010, Ver. 6.1.51, N:41890

License Owner: GREENE STRUCTURAL ENGINEERING, INC.

Calculations per IBC 2006, CBC 2007, 13th AISI

F-y: Steel Yield:	50.0 ks
E: Modulus:	29,000.0 ks



Service loads entered. Load Factors will be applied for calculations.

Uniform Load : $D = 0.010$, $L = 0.250$ k/ft, Tributary Width = 1.0 ft

Design OK

Ratio	Maximum Shear
0.095:1	

2.080 k-ft

21.870k- μ

4 000 Hz

4.00011
Span # 1

0.026 in F

0.000 in F

0.0000

0.0000

ons

100

General Maximum Envelope	Lead Combination	Segment Length	Span #	Summary of Moment Values								Summary of Shear Values			
				Max Stress Ratios		Mmax +	Mmax -	Ma - Max	Mix	MwOmega	Cb	Rim	Va Max	Vrx	Vrx/Omega
				M	V										

2.08

3

0.00

208

158

3

1.58

1.58

31

1.08

1.58

150

100

Location in

10

4.0

2	
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JORDAN VALLEY WATER CONSERVANCY DISTRICT

FINISHED WATER PUMP VAULT VENTILATION

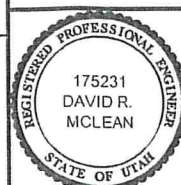
JUNE 2026

APPENDIX M 2

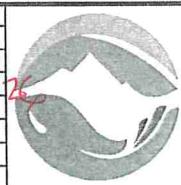
JULY 20, 2026



6/10/2026
7/20/2026



REVISIONS			
REV.	DESCRIPTION	BY	DATE
A		ABC	7/9/26
13			7/20/26



JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 South 1300 West
West Jordan, UT 84088
801-565-4300

LINE IS 1 INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: NTS	
DESIGN: ABC	
DRAWING: ABC	
PROJ. MGR: ADAM COSSEY	
APPROVAL:	

JVWCD FINISHED WATER PUMP VAULT VENTILATION

COVER PAGE

DATE
6/10/2026

PROJECT NUMBER
4371

DRAWING NUMBER
G1

SHEET NUMBER
1 OF 9

THE CONTRACTOR SHALL CAREFULLY READ ALL OF THE NOTES AND SPECIFICATION, THE CONTRACTOR SHALL ACCEPT THE TRUE MEANING AND BE RESPONSIBLE FOR COMPLYING WITH EACH.

GENERAL NOTES:

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS INCLUDED AS PART OF THE CONTRACT DOCUMENTS.
2. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL NECESSARY AND PROPER LABOR AND MATERIALS NECESSARY FOR THE WORK CONTEMPLATED AND THAT THE WORK BE IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATION. THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.
3. WHERE THE PLANS OR SPECIFICATION DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE HIGHEST QUALITY ARE TO BE USED.
4. THE CONTRACTOR SHALL BE SKILLED AND REGULARLY ENGAGED IN THE GENERAL CLASS AND TYPE OF WORK CALLED FOR IN THE PROJECT PLANS AND SPECIFICATIONS. THEREFORE, THE OWNER IS RELYING UPON THE EXPERIENCE AND EXPERTISE OF THE CONTRACTOR; IT SHALL BE EXPECTED THAT PRICES PROVIDED WITHIN THE CONTRACT DOCUMENTS SHALL INCLUDE ALL MATERIALS NECESSARY AND PROPER LABOR FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THE TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL BE COMPETENT, KNOWLEDGEABLE AND HAVE SPECIAL SKILLS IN THE NATURE, EXTENT AND INHERENT CONDITIONS OF THE WORK TO BE PERFORMED. CONTRACTOR SHALL ALSO ACKNOWLEDGE THAT THERE ARE CERTAIN PECULIAR AND INHERENT CONDITIONS EXISTENT IN THE CONSTRUCTION OF THE PARTICULAR FACILITIES, WHICH MAY CREATE, DURING THE CONSTRUCTION PROGRAM, UNUSUAL OR UNSAFE CONDITIONS HAZARDOUS TO PERSONS, PROPERTY AND THE ENVIRONMENT. CONTRACTOR SHALL BE AWARE OF SUCH PECULIAR RISKS AND HAVE THE SKILL AND EXPERIENCE TO FORESEE AND TO ADOPT PROTECTIVE MEASURES TO ADEQUATELY AND SAFELY PERFORM THE CONSTRUCTION WORK WITH RESPECT TO SUCH HAZARDS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS AND CONDITIONS OF ALL PERMITS AND APPROVALS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL ENSURE THAT THE NECESSARY RIGHT-OF-WAYS, EASEMENTS, AND/OR PERMITS ARE SECURED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL, AT THE TIME OF BIDDING, AND, THROUGHOUT THE PERIOD OF THE CONTRACT, BE LICENSED IN THE STATE OF UTAH TO DO THE TYPE OF WORK CONTEMPLATED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE BONDABLE FOR AN AMOUNT EQUAL TO OR GREATER THAN THE AMOUNT OF THE BID.
7. CONTRACTOR SHALL INSPECT THE SITE OF THE WORK PRIOR TO BIDDING TO SATISFY THEMSELVES BY PERSONAL EXAMINATION OR BY

SUCH OTHER MEANS AS THEY MAY PREFER, OF THE LOCATION OF THE PROPOSED WORK, AND OF THE ACTUAL CONDITIONS OF AND AT THE SITE OF WORK. IF, DURING THE COURSE OF THEIR EXAMINATION, A BIDDER FINDS FACTS OR CONDITIONS WHICH APPEAR TO THEM TO BE IN CONFLICT WITH THE LETTER OR SPIRIT OF THE PROJECT PLANS AND SPECIFICATIONS, THEY SHALL CONTACT THE ENGINEER FOR ADDITIONAL INFORMATION AND EXPLANATION BEFORE SUBMITTING THEIR BID. SUBMISSION OF A BID BY THE CONTRACTOR SHALL CONSTITUTE ACKNOWLEDGMENT THAT, IF AWARDED THE CONTRACT, THEY HAVE REVIEWED AND ARE RELYING ON THEIR OWN EXAMINATION OF (1) THE SITE OF THE WORK, (2) ACCESS TO THE SITE, AND (3) ALL OTHER DATA AND MATTERS REQUISITE TO THE FULFILLMENT OF THE WORK AND ON THEIR OWN KNOWLEDGE OF EXISTING FACILITIES ON AND IN THE VICINITY OF THE SITE OF THE WORK TO BE CONSTRUCTED UNDER THIS CONTRACT. THE INFORMATION PROVIDED BY THE OWNER OR THE ENGINEER IS NOT INTENDED TO BE A SUBSTITUTE FOR, OR A SUPPLEMENT TO THE INDEPENDENT VERIFICATION BY THE CONTRACTOR TO THE EXTENT SUCH INDEPENDENT INVESTIGATION OF SITE CONDITIONS IS DEEMED NECESSARY OR DESIRABLE BY THE CONTRACTOR. CONTRACTOR SHALL ACKNOWLEDGE THAT THEY HAVE NOT RELIED SOLELY UPON OWNER OR ENGINEER FURNISHED INFORMATION REGARDING SITE CONDITIONS IN PREPARING AND SUBMITTING.

8. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL WATER, POWER, AND SANITARY FACILITIES AS REQUIRED FOR THE CONTRACTOR'S USE DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNER AND ENGINEER.
10. THE CONTRACTOR AGREES THAT:

A. THEY WILL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK.

B. THEY WILL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.

C. THEY WILL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER.

D. THEY WILL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE JOB. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM THE FINAL PAYMENT.

E. THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND RE-INSPECTION AT THEIR OWN EXPENSE.
11. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

12. IF EXISTING IMPROVEMENTS NEED TO BE DISTURBED AND/OR REMOVED FOR THE PROPER PLACEMENT OF IMPROVEMENTS TO BE CONSTRUCTED BY THESE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING OR REPAIRING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID. THERE WILL BE NO EXTRA COST DUE TO THE CONTRACTOR FOR REPLACING OR REPAIRING EXISTING IMPROVEMENTS.
13. WHENEVER EXISTING FACILITIES ARE REMOVED, DAMAGED, BROKEN, OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE PLANS OR SPECIFICATIONS, SAID FACILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, AFTER PROPER BACKFILLING AND/OR CONSTRUCTION, WITH MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL EXISTING FACILITIES. THE FINISHED PRODUCT SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER, THE ENGINEER, AND THE RESPECTIVE REGULATORY AGENCY.
14. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION, DIMENSION, AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, MODIFICATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.
15. WORK IN ANY EASEMENT AND/OR RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE REGULATORY AGENCY RESPONSIBLE FOR OPERATION AND/OR MAINTENANCE OF SAID EASEMENT AND/OR RIGHT-OF-WAY.
16. UPON SUBSTANTIAL COMPLETION OF WORK, THE CONTRACTOR SHALL BROOM SWEEP WORK SITE PRIOR TO CALLING FOR INSPECTION.
17. JVVCD STAFF WILL SERVE AS ENGINEER ON THIS PROJECT.
18. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MOST RECENTLY ADOPTED REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, NATIONAL ELECTRICAL CODE, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND NATIONAL CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID.
19. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
20. ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
21. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, AND OTHER DEVICES/ACCESSORIES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

UNDERGROUND UTILITIES:

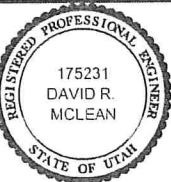
1. THE INFORMATION SHOWN ON THE PLANS WITH REGARD TO THE EXISTING UTILITIES AND/OR IMPROVEMENTS, WAS DERIVED FROM FIELD INVESTIGATIONS AND/OR RECORD INFORMATION. THE ENGINEER DOES NOT GUARANTEE THESE LOCATIONS TO BE EITHER TRUE OR EXACT. PRIOR TO CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY ALL EXISTING IMPROVEMENTS AND TO EXPOSE ALL EXISTING UNDERGROUND UTILITIES RELATED TO THE PROJECT, INCLUDING BUT NOT LIMITED TO, SEWER, STORM DRAIN, WATER, IRRIGATION, GAS, ELECTRICAL, ETC. AND SHALL NOTIFY THE ENGINEER IN WRITING FORTY-EIGHT (48) HOURS IN ADVANCE OF EXPOSING THE UTILITIES, SO THAT THE EXACT LOCATION AND ELEVATION CAN BE VERIFIED AND DOCUMENTED. THE COST ASSOCIATED TO PERFORM THIS WORK SHALL BE INCLUDED IN EITHER THE LUMP SUM CLEARING COST OR IN THE VARIOUS ITEMS OF WORK. IF LOCATION AND/OR ELEVATION DIFFERS FROM THAT SHOWN ON THE DESIGN PLANS, PROVISIONS TO ACCOMMODATE NEW LOCATION/ELEVATION MUST BE MADE PRIOR TO BEGINNING CONSTRUCTION.
2. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY BLUE STAKES AT PHONE NUMBER 811 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK. THE CONTRACTOR SHALL RECORD THE BLUE STAKES ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER AND ENGINEER PRIOR TO ANY EXCAVATION. IT WILL BE THE CONTRACTORS SOLE RESPONSIBILITY TO DIRECTLY CONTACT ANY OTHER UTILITY COMPANIES THAT ARE NOT MEMBERS OF BLUE STAKES. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE PROJECT.
3. THE CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SLOPING OR OTHER PROVISIONS NECESSARY TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAVATED. THE CONTRACTOR SHALL COMPLY WITH INDUSTRIAL COMMISSION OF UTAH SAFETY ORDERS SECTION 68 - EXCAVATIONS, AND SECTION 69 - TRENCHES, ALONG WITH ANY LOCAL CODES OR ORDINANCES.
4. PRIOR TO OPENING AN EXCAVATION, CONTRACTOR SHALL DETERMINE WHETHER UNDERGROUND INSTALLATIONS; I.E. SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING; AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.

SURFACE IMPROVEMENTS:

1. PAVEMENT, SIDEWALK AND SURFACE IMPROVEMENTS, AND LANDSCAPE DISTURBED DURING THIS WORK SHALL BE REPLACED AS PART OF THE WORK. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.

ELECTRICAL IMPROVEMENTS:

1. PRIOR TO SUBMITTING A BID THE ELECTRICAL CONTRACTOR SHALL INSPECT THE SITE AND INCLUDE IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS. SHOP DRAWINGS ARE REQUIRED.
2. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DISCREPANCIES FOUND BETWEEN THE INTENDED FUNCTION OF EQUIPMENT AND EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL BID. FAILURE TO REPORT ANY DISCREPANCY (CATALOG NUMBERS, DISCONTINUED ITEMS, ETC.) DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING EQUIPMENT WHICH SHALL CONFORM TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. NOR SHALL IT BE USED AS A CONDITION TO OBTAIN ADDITIONAL FUNDS FROM THE OWNER AFTER THE CONTRACT IS AWARDED. THE CONTRACTOR SHALL REQUEST ALL CLARIFICATIONS OF CONTRACT DOCUMENT REQUIREMENTS IN WRITING TO THE ENGINEER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL ADDENDUM.
3. MINIMUM SIZE OF CONDUIT TO BE 3/4". ALUMINUM CONDUITS SHALL NOT BE USED.
4. RUN A NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR (EACH CIRCUIT IN A CONDUIT. NOT MORE THAN THREE CIRCUITS IN A CONDUIT. THREE PHASE CONDUCTORS, THREE NEUTRAL CONDUCTORS (ONE FOR EACH PHASE) AND ONE GROUND CONDUCTOR FOR A TOTAL OF SEVEN CONDUCTORS.
5. ALL NEW EXPOSED CONDUIT SHALL RUN AGAINST THE WALLS OR CEILINGS. DO NOT PENDANT MOUNT ANY CONDUIT FROM THE CEILINGS. (FLOW METER EXCLUDED)
6. ALL ELECTRICAL WIRING SHALL BE STRANDED AND IN CONDUIT (ROMEX AND MC CABLE NOT PERMITTED).
7. ALL CONDUITS SHALL BE GALVANIZED RIGID STEEL, UNLESS OTHERWISE NOTED. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC.
8. ALL NEW WORK SHALL MEET THE CURRENT ADOPTED NATIONAL ELECTRICAL CODE.
9. CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE OVER SHOP DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ALL CONDUCTORS SHALL BE STRANDED COPPER.
11. ALL WIRING DEVICES SHALL BE BACK WIRED ONLY.
12. STRANDED CONDUCTORS SHALL NOT BE WRAPPED AROUND SCREWS.



REVISIONS			
REV.	DESCRIPTION	BY	DATE



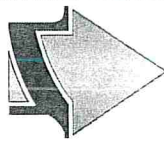
JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 South 1300 West
West Jordan, UT 84088
801-565-4300

LINE IS 1/8" AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	
SCALE: NTS	
DESIGN:	ABC
DRAWING:	ABC
PROJ. MGR:	ADAM COSSEY
APPROVAL:	

FINISHED WATER PUMP VAULT VENTILATION

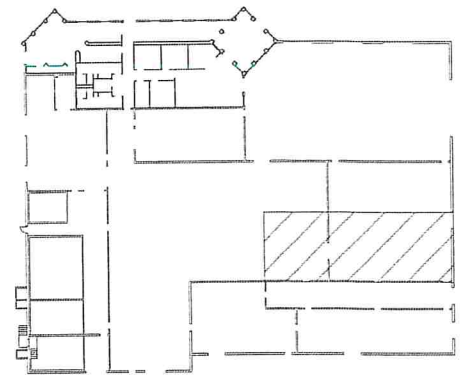
GENERAL NOTES

DATE	6/10/2026
PROJECT NUMBER	4371
DRAWING NUMBER	G2
SHEET NUMBER	2 OF 9



NOTES:

1. UNLESS NOTED OTHERWISE, FURNISH AND INSTALL ALL PARTS SHOWN AS PART OF BID SCHEDULE A.

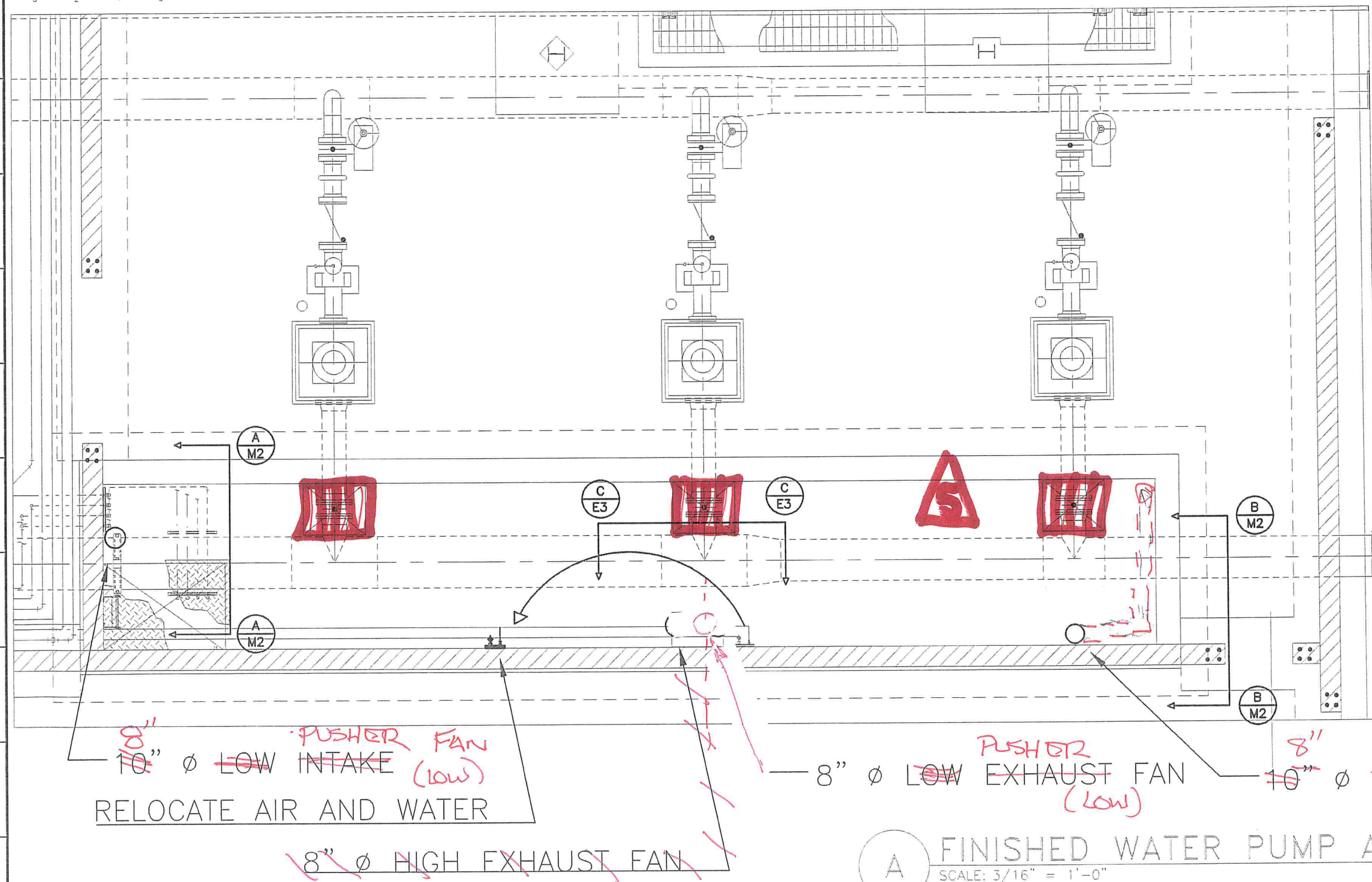


RO BUILDING KEY PLAN

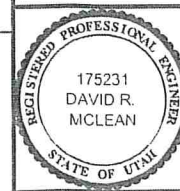
KEY NOTES:

1. NEW WORK SHOWN IN BOLD ON REFERENCE BACKGROUND
2. THE EXHAUST FAN EDGE SHOULD BE DRILLED 12" OFFSET FROM ONE ANOTHER 6" FROM ACCESS HATCH CENTER LINE *OMITTED*
3. THE 10" LOW INTAKE BORE HOLE SHOULD BE CORED @CL OF THE ACCESS HATCH *SHALL*
4. ALL VENTILATION PIPE IS SCHEDULE 80 PVC OR GALVANIZED DUCT TO MATCH EXISTING

5. DEMOLISH DIAMOND PLATE. REPLACE WITH FRP FLOOR GRATING 35'x41' VERIFY IN FIELD



A FINISHED WATER PUMP AREA - PLAN
SCALE: 3/16" = 1'-0"
FILE: 02-M-24



REVISIONS			
REV.	DESCRIPTION	BY	DATE

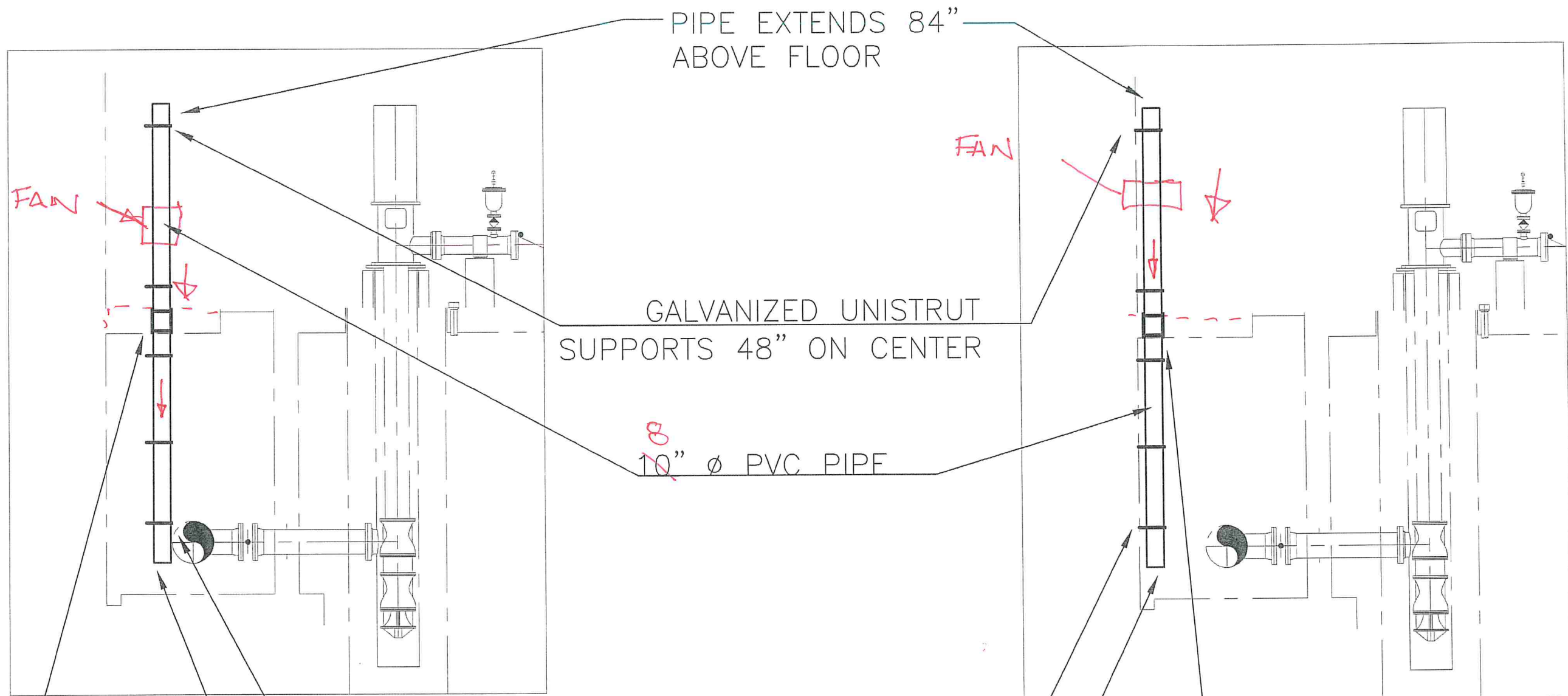


JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1 INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: 3/16" = 1'	
DESIGN: ABC	
DRAWING: ABC	
PROJ. MGR: Adam Cossey	
APPROVAL:	

FINISHED WATER PUMP VAULT VENTILATION
MECHANICAL AND VENTILATION POINTS

DATE 6/10/26
PROJECT NUMBER 4371
DRAWING NUMBER M1
SHEET NUMBER 3 OF 9



A INTAKE DETAIL
—
LOOKING SOUTH

B INTAKE DETAIL
—
LOOKING SOUTH

PIPE EXTENDS 84" ABOVE FLOOR

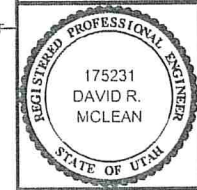
GALVANIZED UNISTRUT SUPPORTS 48" ON CENTER

8
10" Ø PVC PIPE

GALVANIZED UNISTRUT 48" ON CENTER

LOW INTAKE 18" ABOVE FINISHED FLOOR

TOP AND BOTTOM LINK SEALS WITH SIKAFLEX TOPSEAL TYP.



REV.	DESCRIPTION	BY	DATE
A.			



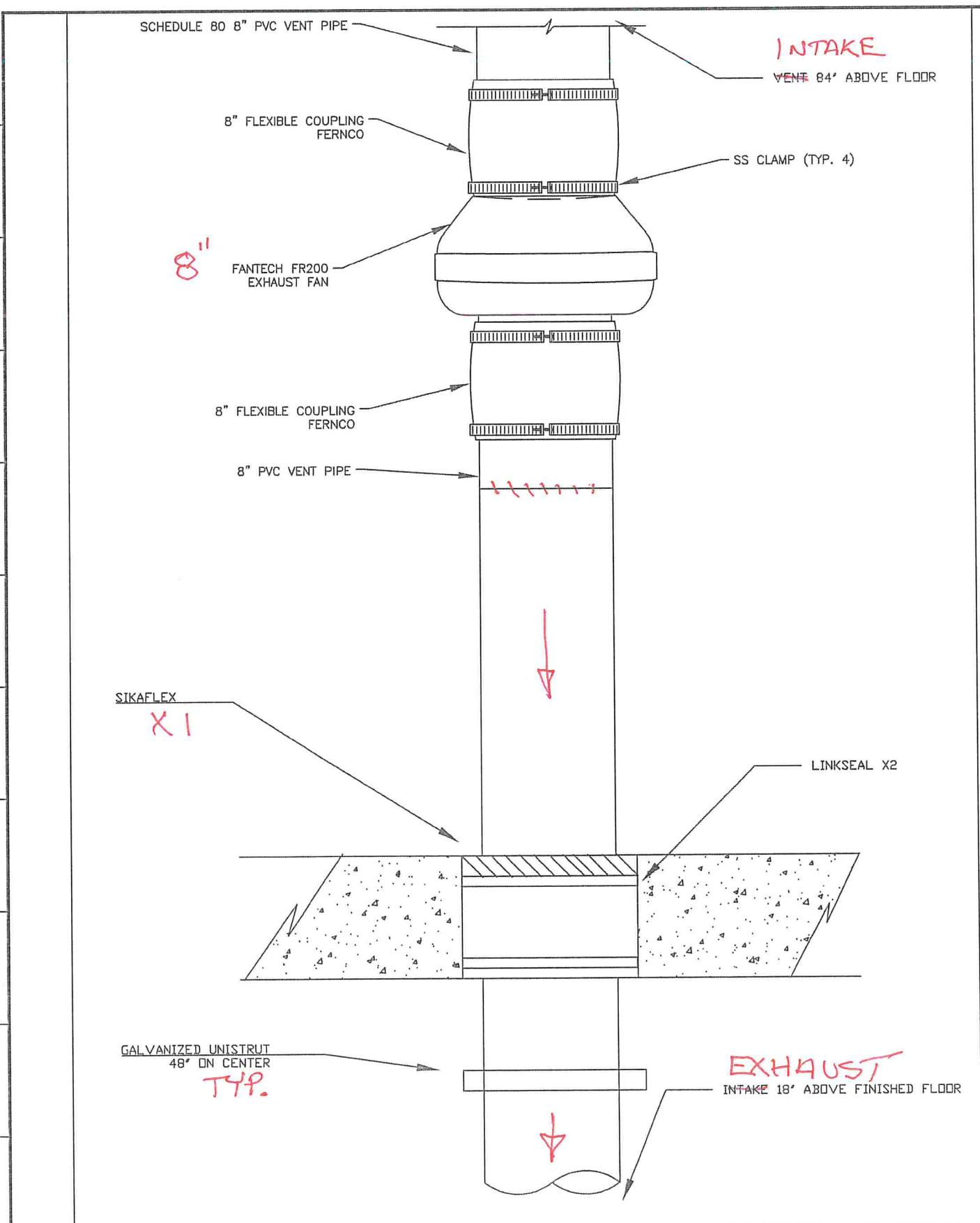
JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1/16" INCH AT FULL SIZE (IF NOT 1" = SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: 3/16" = 1'	
DESIGN: ABC	
DRAWING: ABC	
PROJ. MGR: ADAM COSSEY	
APPROVAL:	

FINISHED WATER PUMP VAULT VENTILATION
DETAILS

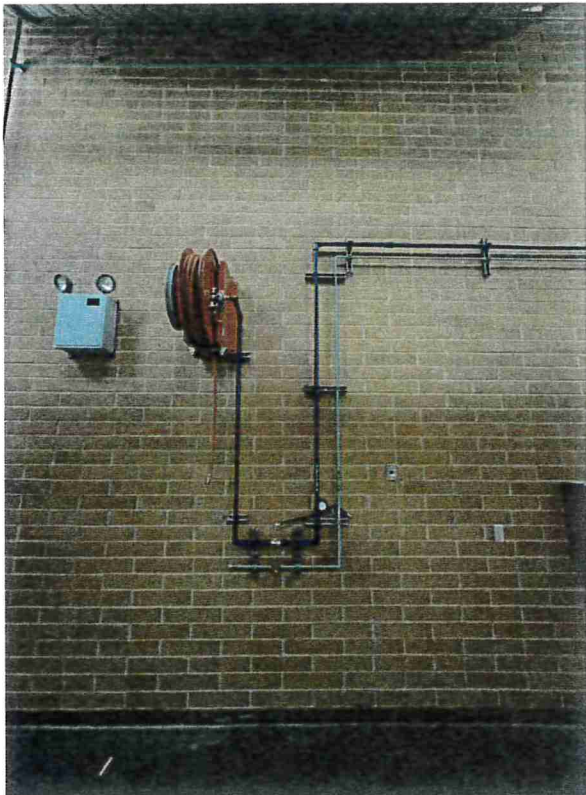
DATE 7/09/26
PROJECT NUMBER 4371
DRAWING NUMBER M2
SHEET NUMBER 4 OF 9

C:\USERS\ADAMC\DOCUMENTS\VAULT_DETAILS.DWG 1.40M

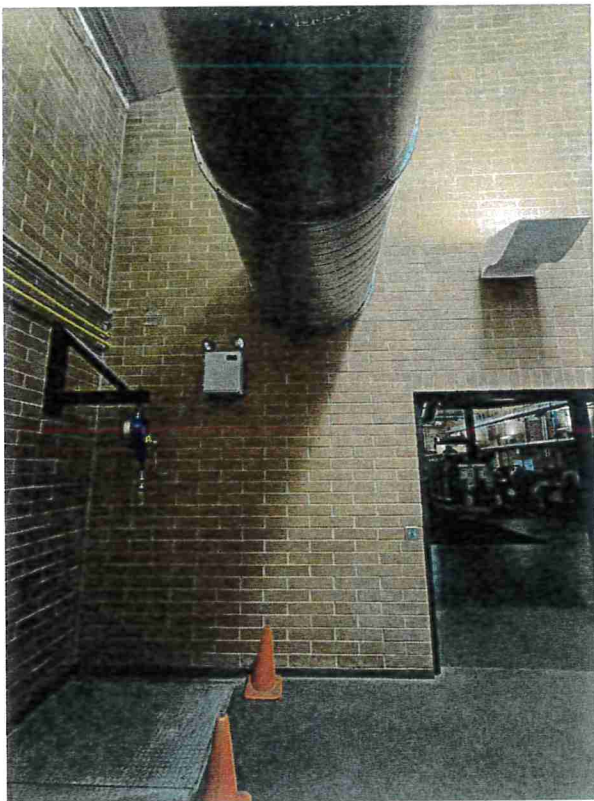


EXHAUST FAN DETAIL
SCALE: NTS

	REVISIONS					JORDAN VALLEY WATER CONSERVANCY DISTRICT 6215 South 1300 West West Jordan, UT 84088 801-565-4300	LINE IS 1 INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)		ORIGINAL SIZE B	FINISHED WATER PUMP VAULT VENTILATION		DATE 6/10/2026
	REV.	DESCRIPTION	BY	DATE			SCALE: SCALE		EXHAUST FAN DETAIL	PROJECT NUMBER 4371		
							DESIGN: ABC	DRAWING NUMBER M3				
							DRAWING: ABC	SHEET NUMBER 5 OF 9				
							PROJ. MGR: ADAM COSSEY					
							APPROVAL:					



AIR AND WATER LINES THAT MUST BE MOVED 16' TO THE SOUTH. CUT AND SHORTEN HORIZONTAL PIPES.



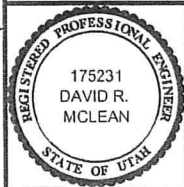
PUMP ROOM LEVEL VIEW OF A/M2 PLACE VENT PIPE TO AVOID HVAC PIPE ABOVE



CONDUIT RUNNING IN FINISHED WATER VAULT RUN NEW CONDUIT ALONG WALL TO AVOID.



VAULT LEVEL VIEW OF A/M2. VENT PIPE MUST ALSO AVOID WATER PIPE AND CONDUIT IN FINISHED WATER VAULT.



REVISIONS			
REV.	DESCRIPTION	BY	DATE



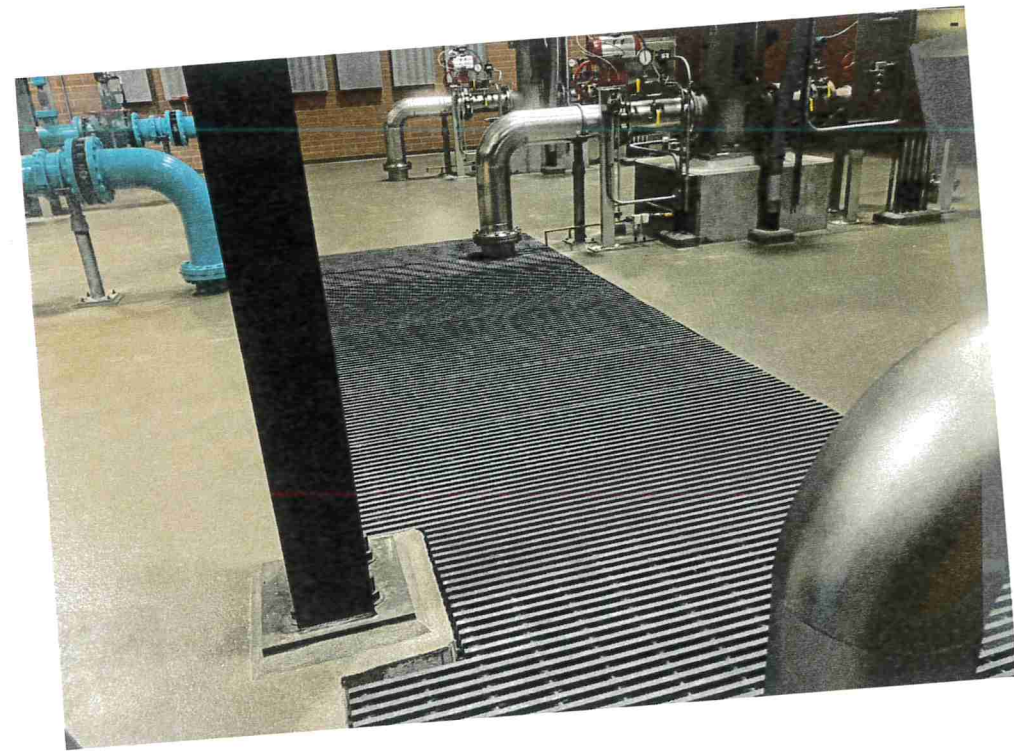
**JORDAN VALLEY WATER
CONSERVANCY DISTRICT**
8215 South 1300 West
West Jordan, UT 84088
801-565-4300

LINE IS 1" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	
SCALE:	SCALE
DESIGN:	ABC
DRAWING:	ABC
PROJ. MGR:	ADAM COSSEY
APPROVAL:	

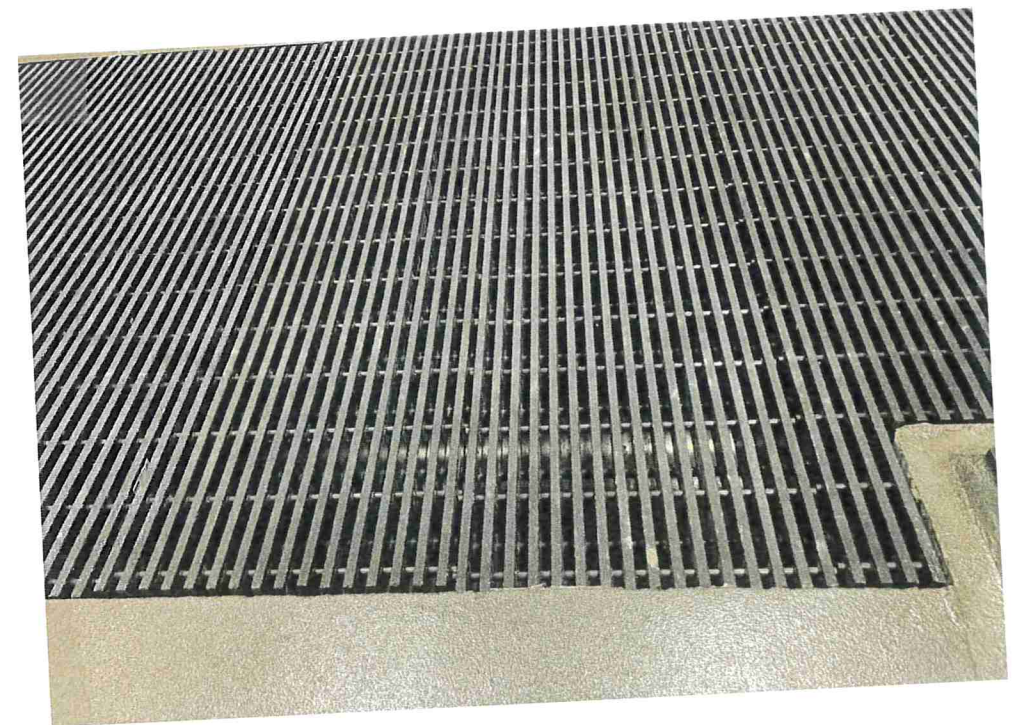
FINISHED WATER PUMP VAULT VENTILATION		DATE 6/10/2026
REFERENCE PHOTOS		PROJECT NUMBER 4371
		DRAWING NUMBER M4
		SHEET NUMBER 6 OF 9
		14



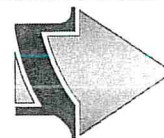
① REPLACE DIAMOND PLATE
WITH FRP GRATING



② TYPICAL FRP GRATING



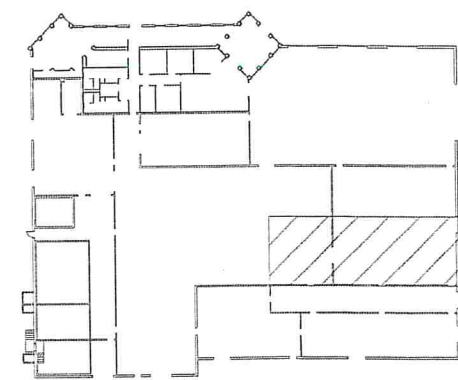
③ TYPICAL FRP GRATING



0 2' 4' 6'

NOTES:

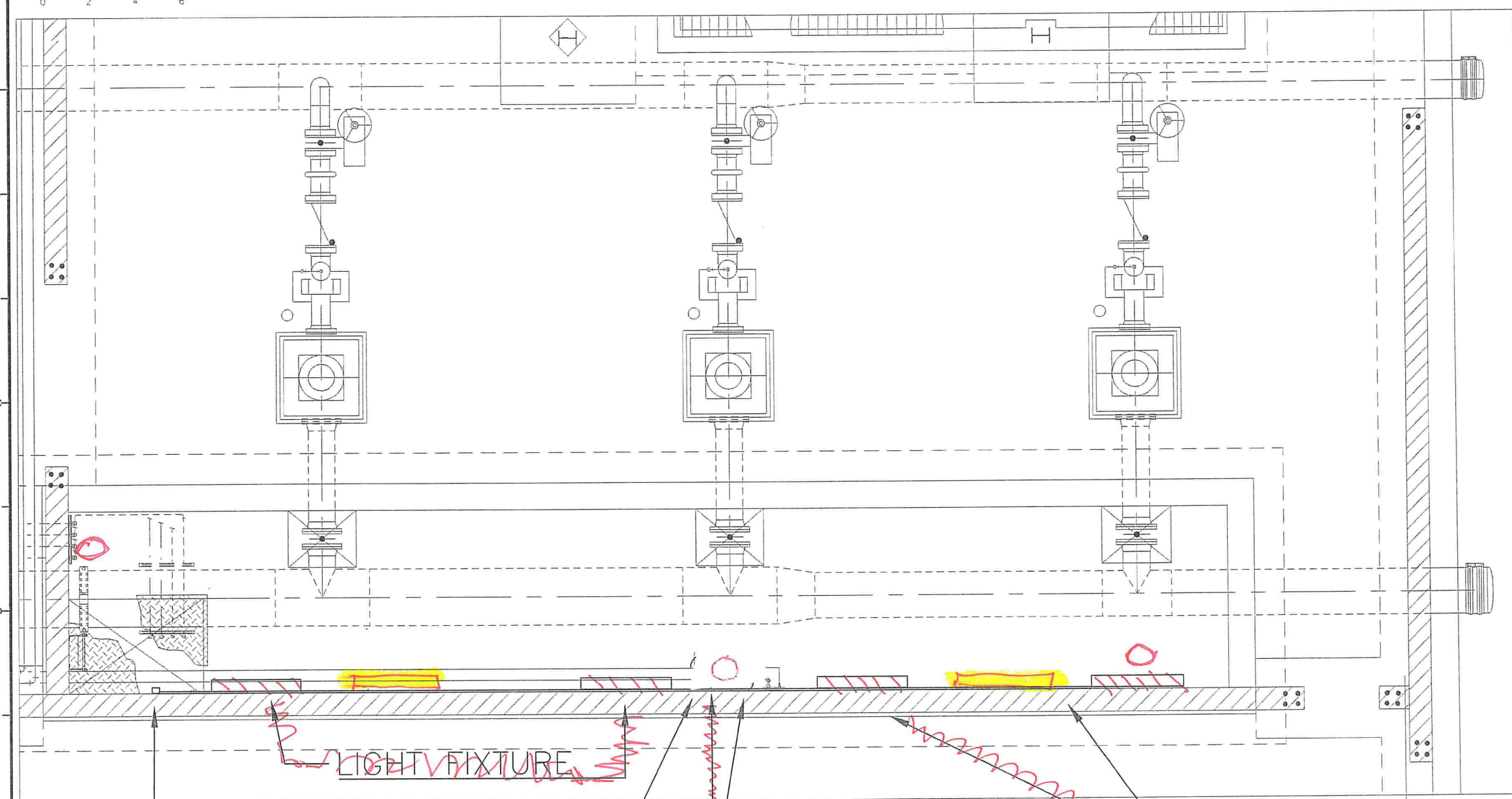
1. UNLESS NOTED OTHERWISE, FURNISH AND INSTALL ALL PARTS SHOWN AS PART OF BID SCHEDULE A.



RO BUILDING
KEY PLAN

NOTES:

1. NEW WORK SHOWN BOLD ON REFERENCE BACKGROUND
2. PULL 120 VAC POWER FROM LP-111, CIRCUIT 33 (EXISTING SPARE BREAKER) TO VCP-2690
3. USE RIGID CONDUIT SIZED ACCORDING TO NEED
4. USE EXISTING EMPTY CONDUIT FROM LP-111 TO VCP-2690
5. CONTRACTOR SHALL SUBMIT FINAL CONDUIT PLAN FOR REVIEW
6. INSTALL LIGHTING ON EAST WALL 84" ABOVE FINISHED FLOOR



LIGHT FIXTURE

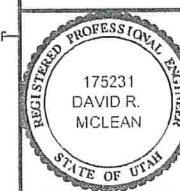
FAN TIMER

8"Ø EXHAUST FANS ~~3~~ X 3

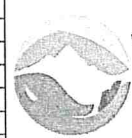
FAN SWITCH (HAND/OFF/AUTO) AND LIGHT SWITCH (48" AFF)

LIGHT FIXTURE X 2

A FINISHED WATER PUMP AREA - PLAN
SCALE: 3/16" = 1'-0"
FILE: 02-M-24



REV.	REVISIONS		BY	DATE
	DESCRIPTION			



JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84088-0070
PHONE (801) 565-4300

LINE IS 1/16" AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: 3/16" = 1'	
DESIGN: ABC	
DRAWING: ABC	
PROJ. MGR: Adam Cossey	
APPROVAL:	

FINISHED WATER PUMP VAULT VENTILATION	DATE 6/10/2026
ELECTRICAL AND CONDUIT	PROJECT NUMBER 4371
	DRAWING NUMBER E1
	SHEET NUMBER 87 OF 9

~~PUSHER~~
C EXHAUST FAN DETAIL
SCALE: NTS

VENT 84" ABOVE FINISHED FLOOR

FAN TIMER

X3

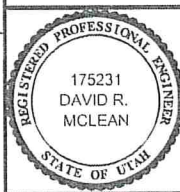
48" ABOVE
FINISHED FLOOR

CL ACCESS
HATCH

TO EXISTING 120 VAC POWER
SUPPLY LP-111 CIRCUIT 33
SPARE BREAKER (ASSUME 100'
PULL IN EXISTING CONDUIT)

HIGH EXHAUST FAN
12" BELOW CEILING

LOW EXHAUST ~~FAN~~
18" ABOVE FINISHED FLOOR



REVISIONS			
REV.	DESCRIPTION	BY	DATE



JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 South 1300 West
West Jordan, UT 84088
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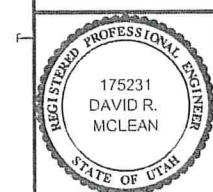
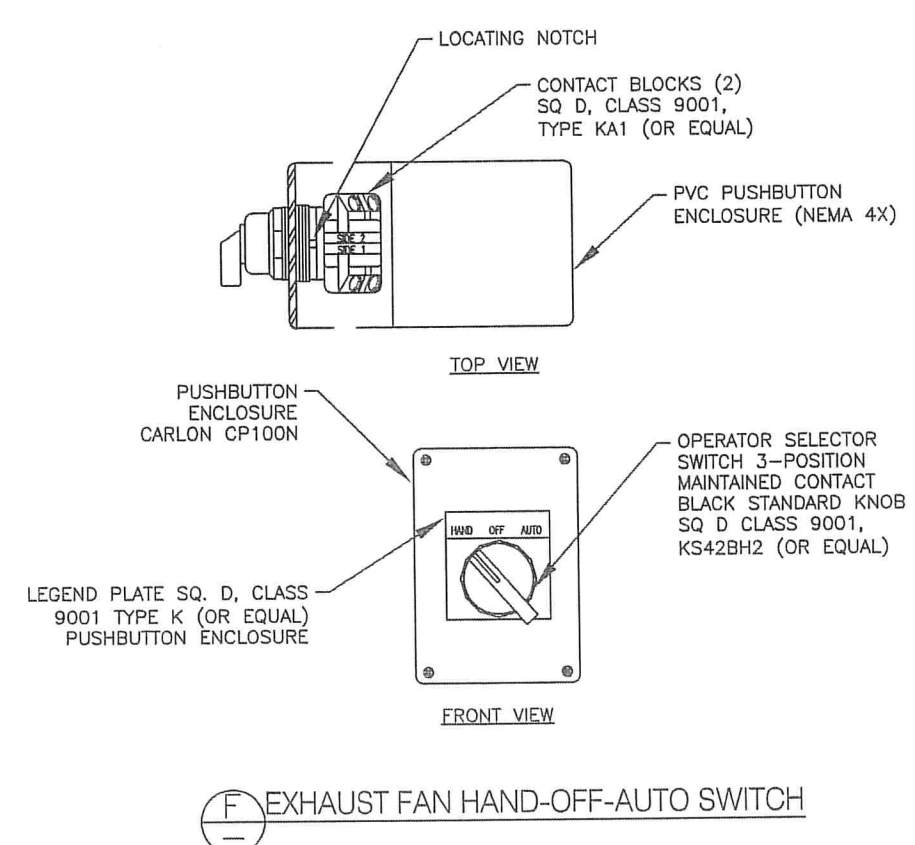
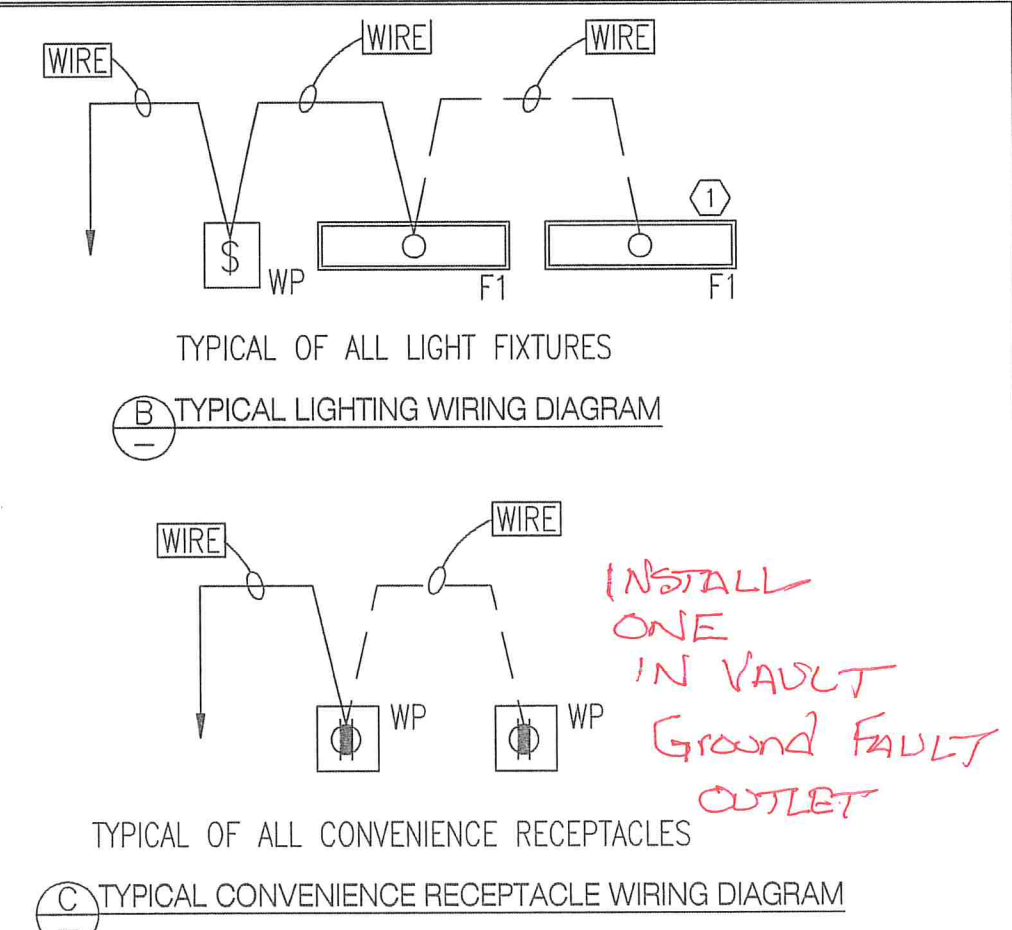
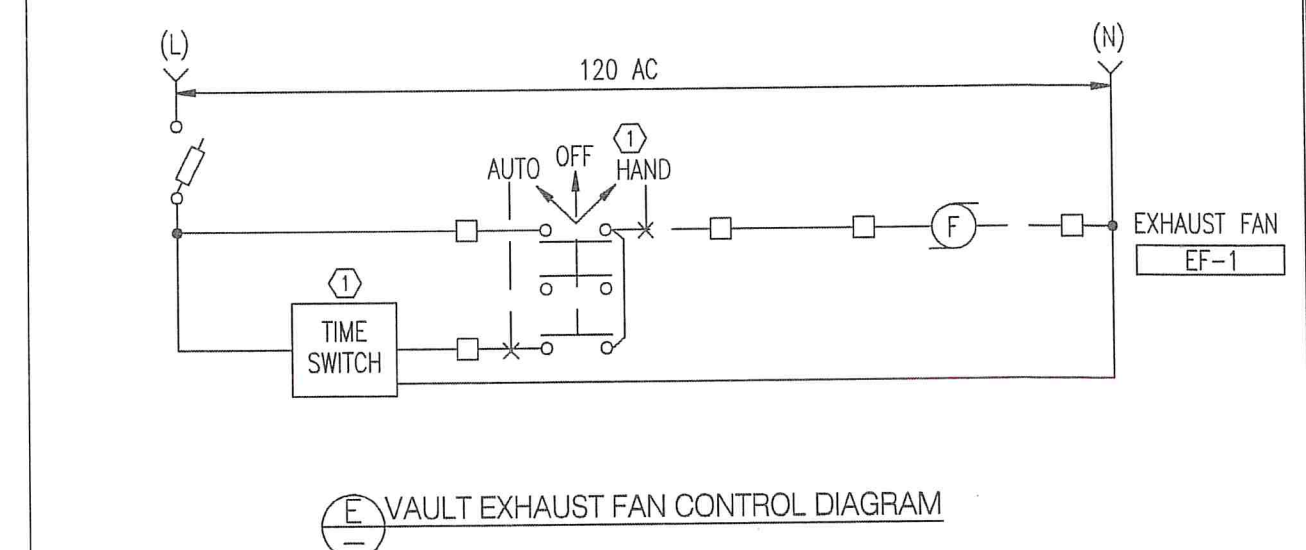
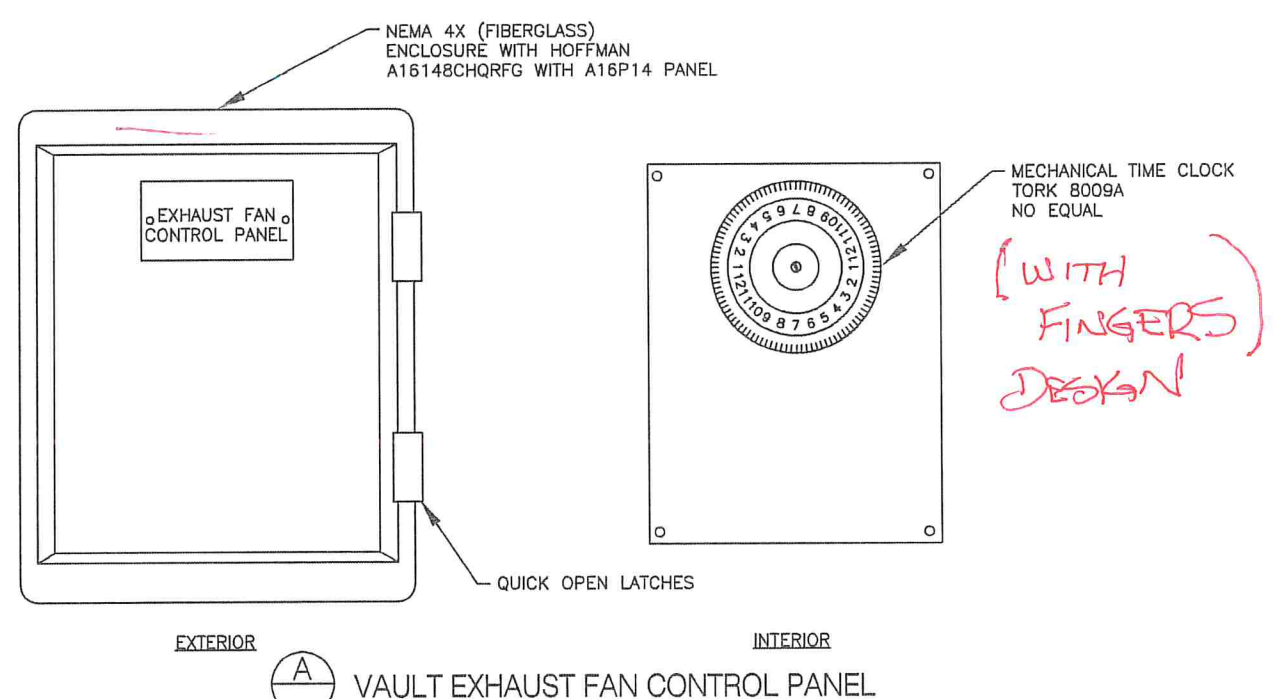
LINE IS 1/8" INCH
AT FULL SIZE
(IF NOT 1" - SCALE ACCORDINGLY)
SCALE: NTS
DESIGN: ABC
DRAWING: ABC
PROJ. MGR: ADAM COSSEY
APPROVAL:
ORIGINAL SIZE B

FINISHED WATER PUMP AREA VENTILATION

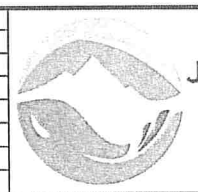
EXHAUST FAN DETAILS

DATE
6/10/2026
PROJECT NUMBER
4371
DRAWING NUMBER
E2
SHEET NUMBER
9 OF 9

14



REVISIONS			
REV.	DESCRIPTION	BY	DATE



JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 South 1300 West
West Jordan, UT 84088
801-565-4300

LINE IS 1/8" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)

ORIGINAL SIZE **B**

SCALE: NTS

DESIGN: ABC

DRAWING: ABC

PROJ. MGR: ADAM COSSEY

APPROVAL:

FINISHED WATER PUMP VAULT VENTILATION

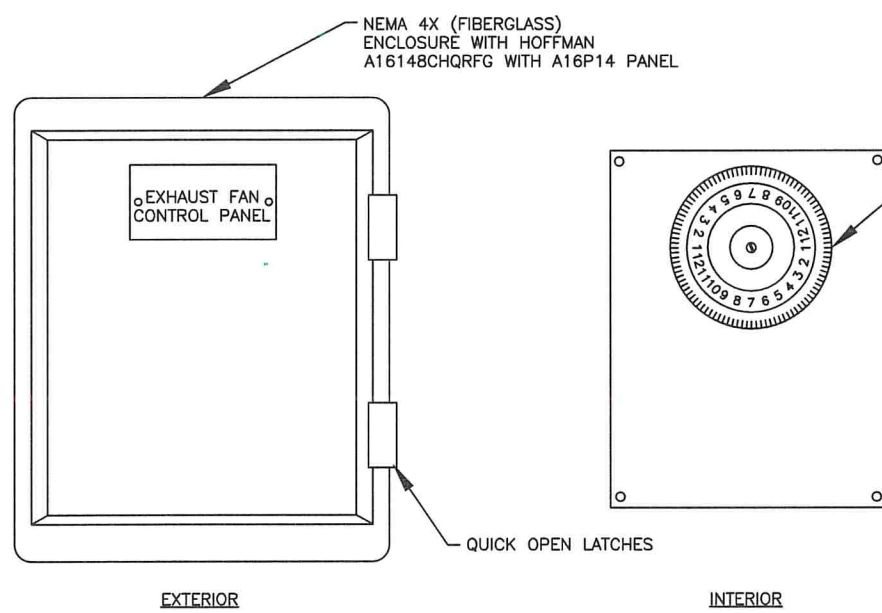
ELECTRICAL DETAILS

DATE 6/10/2026

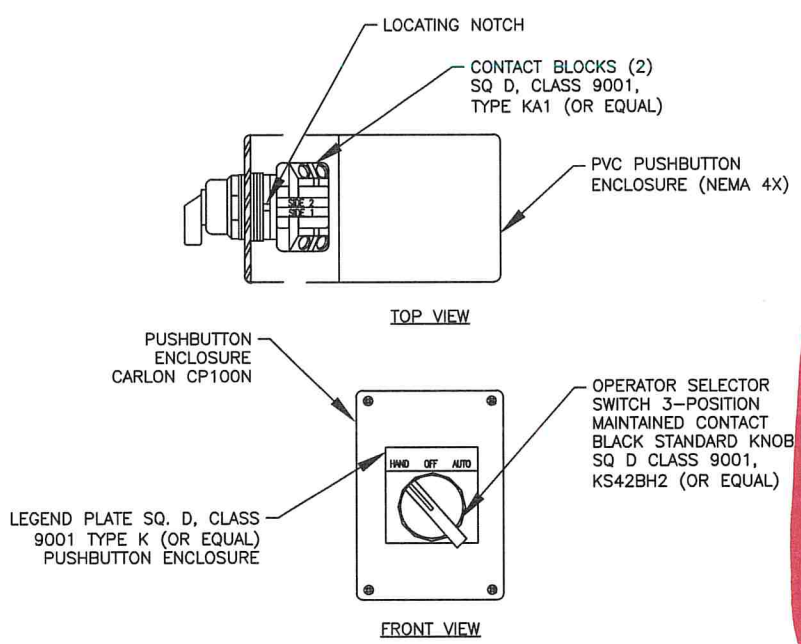
PROJECT NUMBER 4371

DRAWING NUMBER **E3**

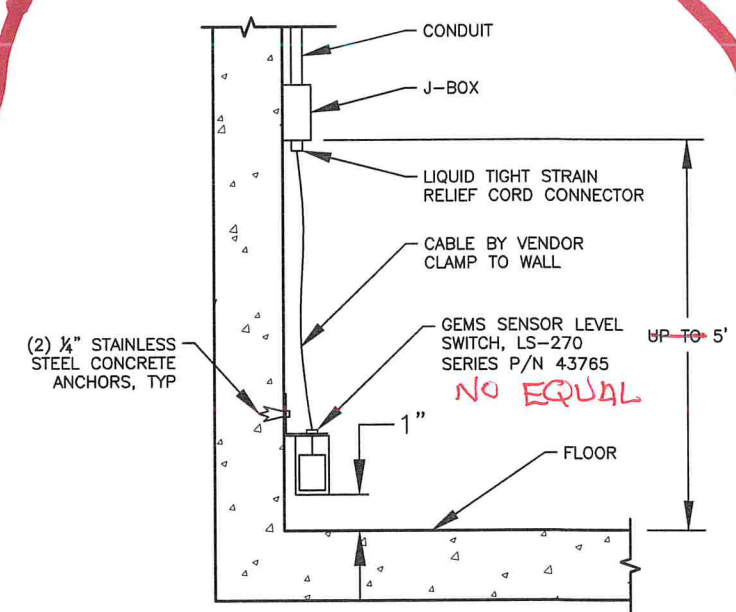
SHEET NUMBER 10 OF 9



A VAULT EXHAUST FAN CONTROL PANEL

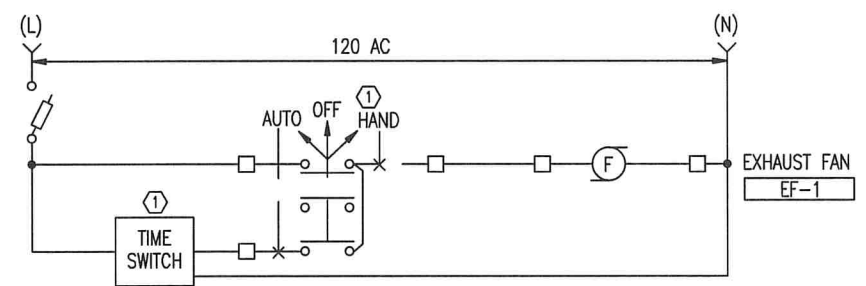


F EXHAUST FAN HAND-OFF-AUTO SWITCH

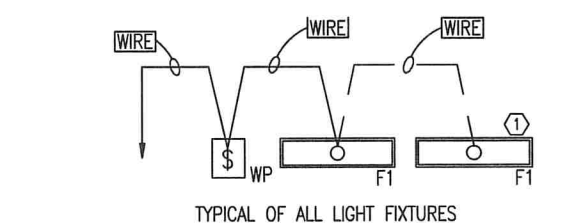


G HIGH WATER ALARM LEVEL SWITCH DETAIL

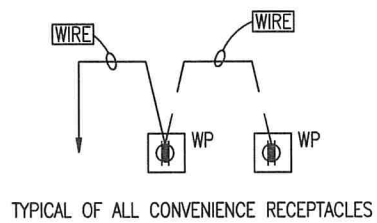
PROVIDE ONE SWITCH BELOW CENTER FAN



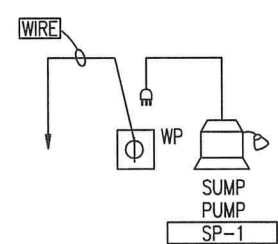
D VAULT EXHAUST FAN CONTROL DIAGRAM



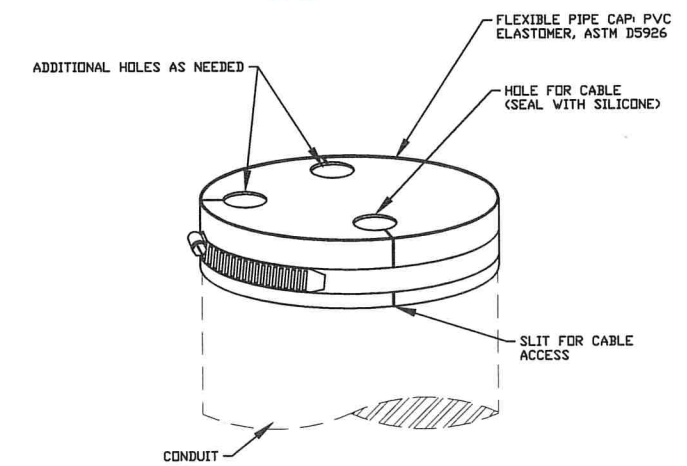
B TYPICAL LIGHTING WIRING DIAGRAM



C TYPICAL CONVENIENCE RECEPTACLE WIRING DIAGRAM

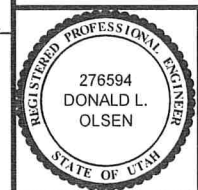


E TYPICAL SUMP PUMP RECEPTACLE WIRING DIAGRAM



H SEALING OF CONDUIT IN UNDERGROUND JUNCTION BOX
MOUNT AT EACH EXPOSED CONDUIT ON UPHILL END

- GENERAL NOTES:
1. PROVIDE A HEAVY DUTY WATERTIGHT "HOA" SELECTOR SWITCH IN A NEMA 4 ENCLOSURE, NEAR THE VAULT ENTRANCE.
 2. OPERATE FAN FOR 30 MINUTES EVERY 6 HOURS. LOCATE TIME SWITCH IN A NEMA 4 ENCLOSURE.
- KEYED NOTES:
1. 4 FOOT WET LOCATION LED LIGHT FIXTURE 5000 LUMENS, 5000K. LITHONIA XVML L48 5000LM MVOLT 50K 80 CRI



REV.	DESCRIPTION	BY	DATE

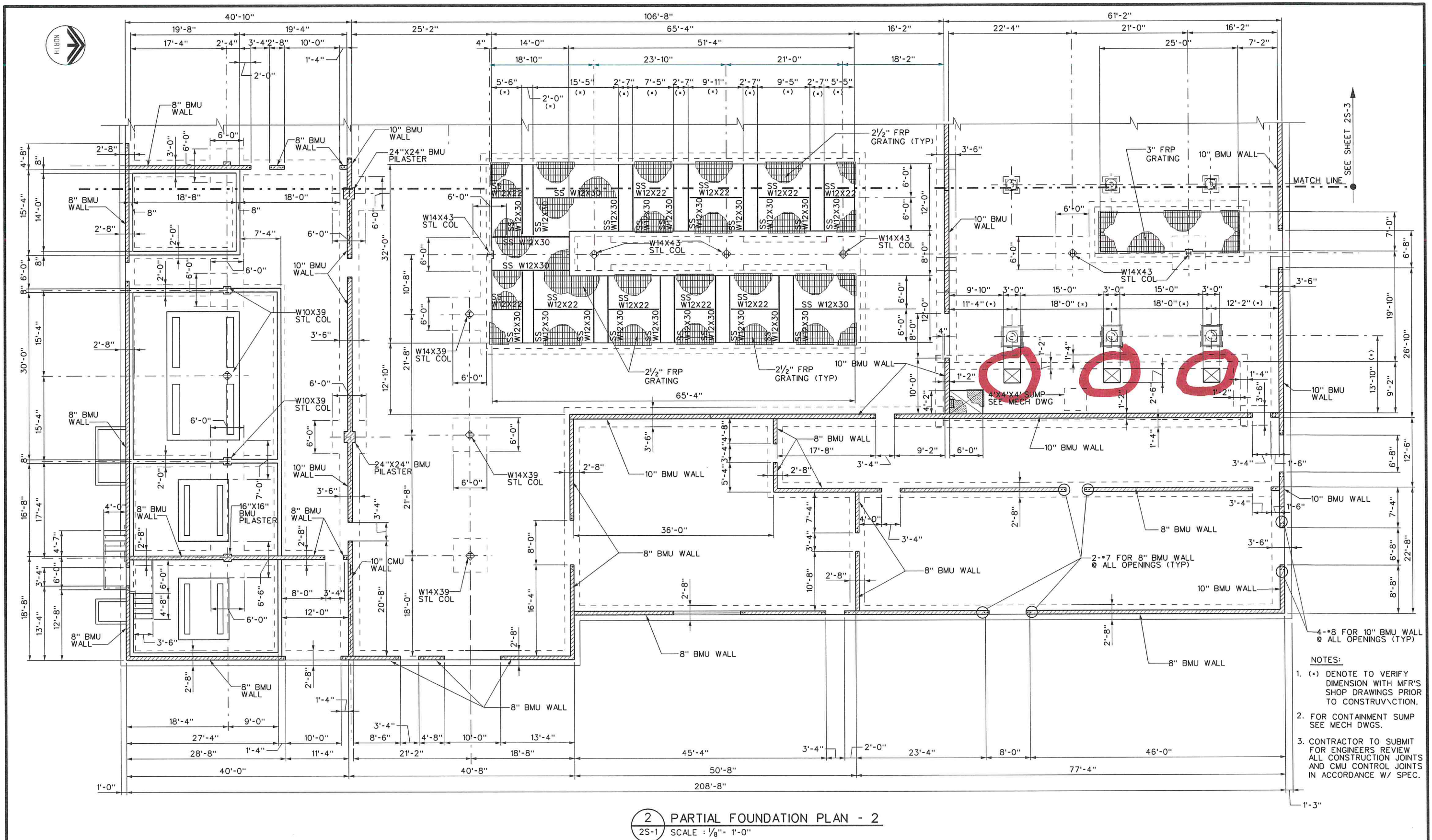


JORDAN VALLEY WATER
CONSERVANCY DISTRICT
8215 South 1300 West
West Jordan, UT 84088
801-565-4300

LINE IS 1/8" INCH AT FULL SIZE (IF NOT 1" - SCALE ACCORDINGLY)	ORIGINAL SIZE B
SCALE: NTS	
DESIGN: DRM	
DRAWING: TMP	
PROJ. MGR:	
APPROVAL:	

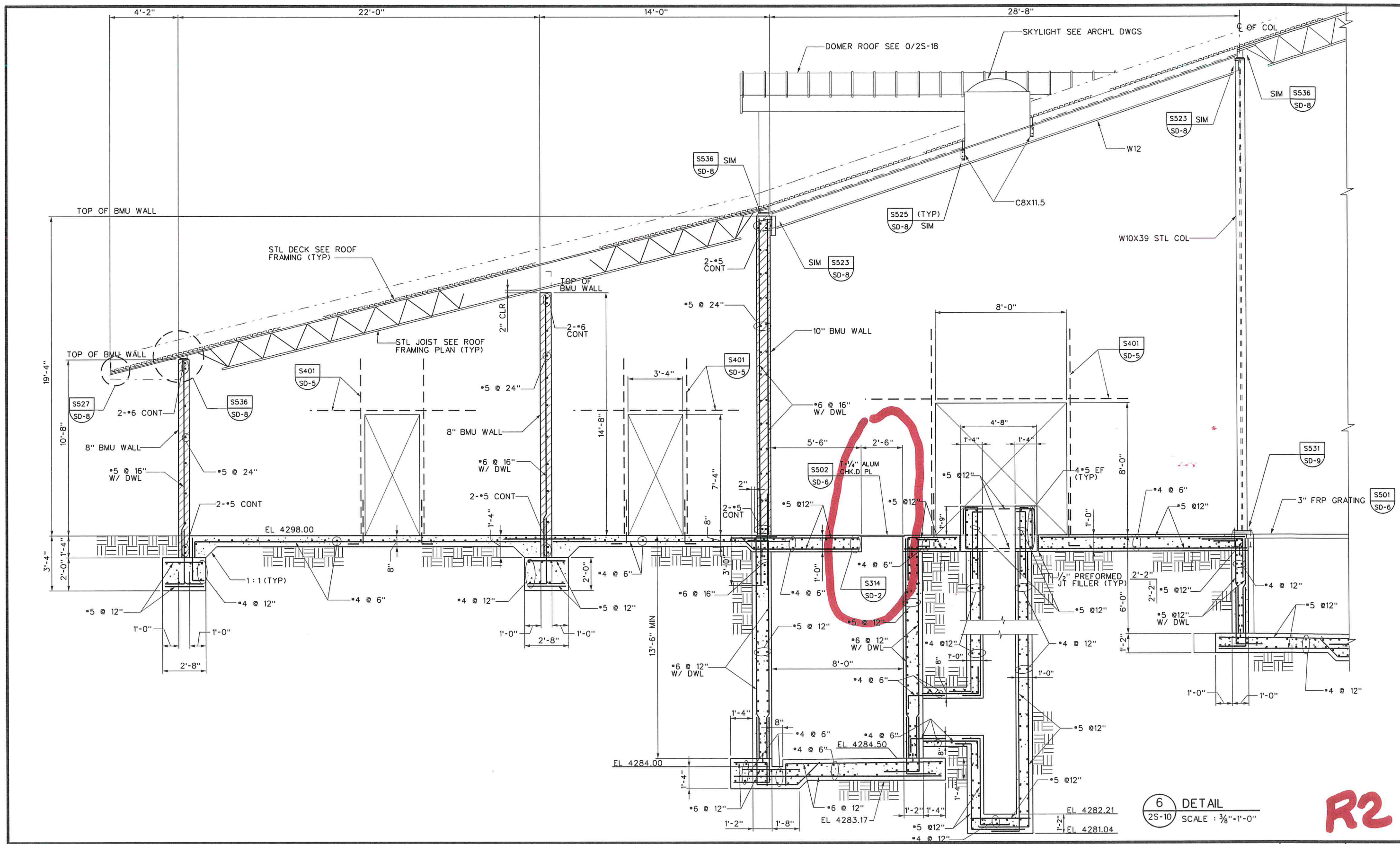
JVWCD STANDARD WHOLESALE METER VAULT TYPICAL	DATE 8/30/21
STANDARD RETAIL METER VAULT ELECTRICAL PAGE 3	PROJECT NUMBER TYP
	DRAWING NUMBER E3
	SHEET NUMBER 10 OF 10

E4



RECORD DRAWING THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS				DESIGNED MHK/OAA DRAWN MGT CHECKED OAA DATE JANUARY 2012	ORIGINAL STAMPED BY M. OSAMA ABDELAL JULY 2009 367786 **	ENVIROCON Consulting Engineers Inc.	carollo Engineers...Working Wonders With Water™	Jordan Valley Water Conservancy District REG. LAND 100 ACRES WEST JORDAN, JORDAN PHONE: 060 5555555	JORDAN VALLEY WATER CONSERVANCY DISTRICT SOUTHWEST JORDAN VALLEY GROUNDWATER PROJECT STRUCTURAL RO BUILDING PARTIAL FOUNDATION PLAN - 2	VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"	JOB NO. 7096A.10 DRAWING NO. 2S-4 SHEET NO. OF XXX
REV	DATE	BY	DESCRIPTION								
FILENAME:											

12 OF 14 **RI**

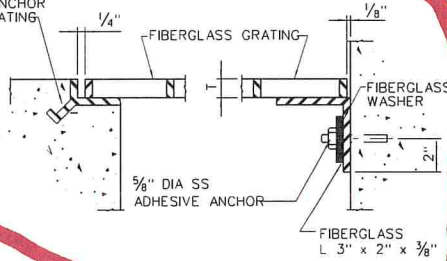


R2

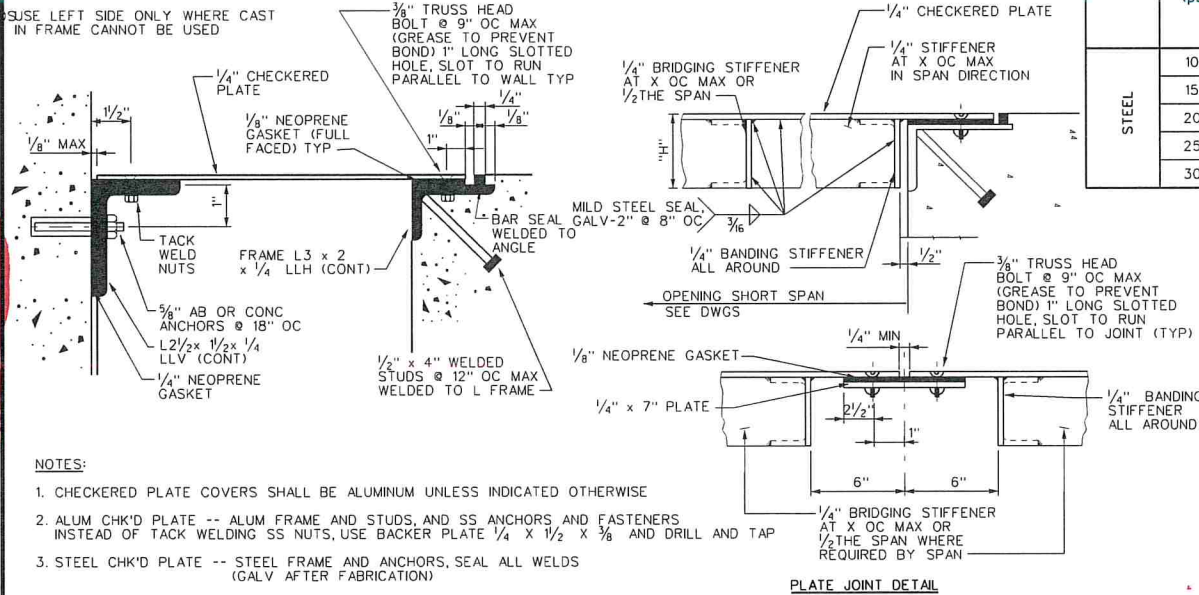
RECORD DRAWING THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS				DESIGNED MHK/OAA DRAWN MGT CHECKED OAA DATE JANUARY 2012		ORIGINAL STAMPED BY M. OSAMA ABDELAAL JULY 2009 367786 **		ENVIROCON Consulting Engineers Inc.		carollo Engineers...Working Wonders With Water™		Jordan Valley Water Conservancy District		JORDAN VALLEY WATER CONSERVANCY DISTRICT SOUTHWEST JORDAN VALLEY GROUNDWATER PROJECT STRUCTURAL RO BUILDING DETAILS -6		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"		JOB NO. 7096A.10 DRAWING NO. 2S-15 SHEET NO. OF XXX	
--	--	--	--	---	--	--	--	---	--	---	--	---	--	--	--	---	--	--	--

130F14

- FIBERGLASS PULTRUDED
EMBEDDED FRAME W/
CONTINUOUS ANCHOR
SIZED FOR GRATING



USE LEFT SIDE ONLY WHERE CAST
IN FRAME CANNOT BE USED



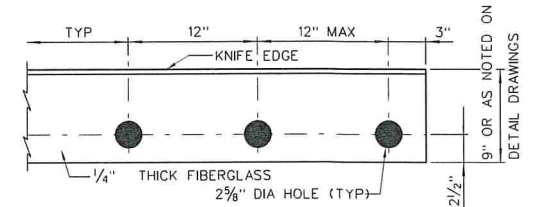
4

MATERIAL	LOADING (psf)	X MAX (in)	MAXIMUM SPAN OF OPENING (ft)						
			STIFFENER SIZE 1/4" X H						
			2"	3"	4"	5"	C6X8.2	C7X9.8	C8X11.
STEEL	100	40	4.5	6	7	8.5	12	14	15.5
	150	35	4	5	6	7.5	11.5	13	14.5
	200	30	3.5	4.5	5.5	7	11	12.5	14
	250	30	3	4	5	6	10.5	12	13
	300	30	3	4	4.5	5.5	10	11.5	12.5

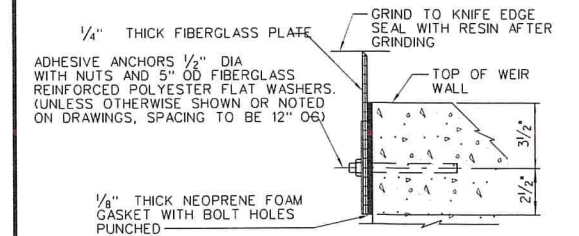
MATERIAL	X MAX (in)	MAXIMUM SPAN OF OPENING (ft)				
		STIFFENER SIZE 1/4" X H				
		2"	3"	C4X2.331	C5X3.089	C6X4.0
ALUMINUM	25	4.5	5.5	6	7	8
	25	3.5	4.5	5.5	6.5	7.5
	20	3.5	4.5	5.5	6.5	7
	20	3	4	5	6	7
	20	3	3.5	5.0	5.5	6.5

NOTE: "X" = MAXIMUM SPAN OF UNSTIFFENED PLATE COVER

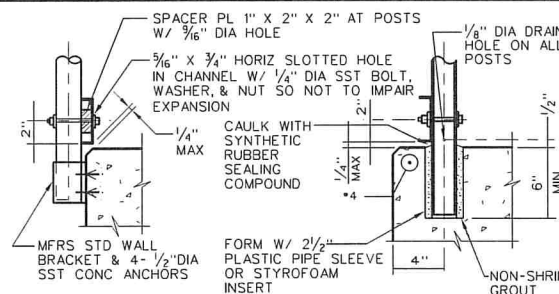
S502 TYPICAL STIFFENED PLATE- COVERED
TYP



ELEVATION

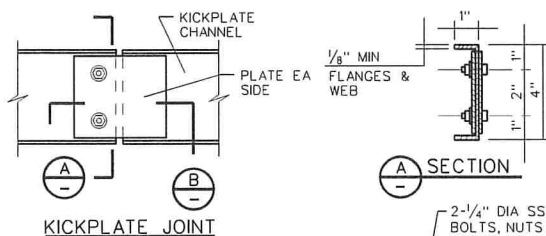


S503 TYPICAL WEIR DETAIL



SIDE MOUNTED POST

EMBEDDED POST



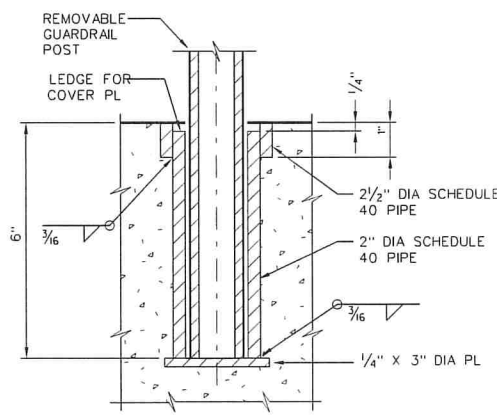
KICKPLATE JOINT

A SECTION



RAIL SLIP JOINT

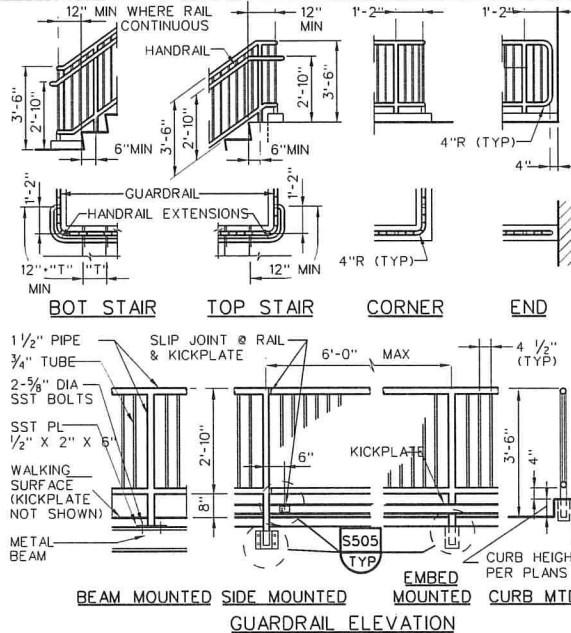
S505 TYP	GUARDRAIL DETAILS
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SECTION

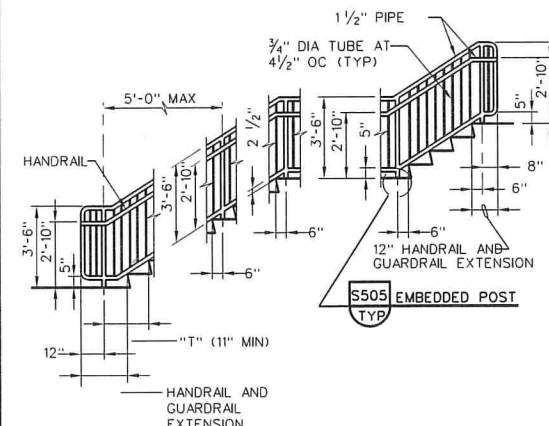
- NOTES:**
1. COAT ALL SURFACES IN CONTACT WITH CONCRETE AS SPECIFIED.
 2. PROVIDE 1/4" TREAD PLATE COVER FOR EACH REMOVABLE HANDRAIL POST ANCHORAGE.
 3. SEE DRAWINGS OR SPECIFICATIONS FOR MATERIAL TYPE(S).

S506 REMOVABLE GUARDRAIL POST
TYP ANCHORAGE



- NOTES:**
1. THIS DETAIL IS APPLICABLE AT PUBLIC AREAS WHERE ACCESSIBILITY IS REQUIRED, AND SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, THE UNIFORM BUILDING CODE, AND TITLE 24 (IN CALIFORNIA).
 2. SEE SPECIFICATIONS AND TYPICAL DETAIL 5508 FOR ADDITIONAL REQUIREMENTS.
 3. VARIOUS POST MOUNTING DETAILS ARE ILLUSTRATED, SEE DRAWINGS FOR SPECIFIC MOUNTING REQUIREMENTS.

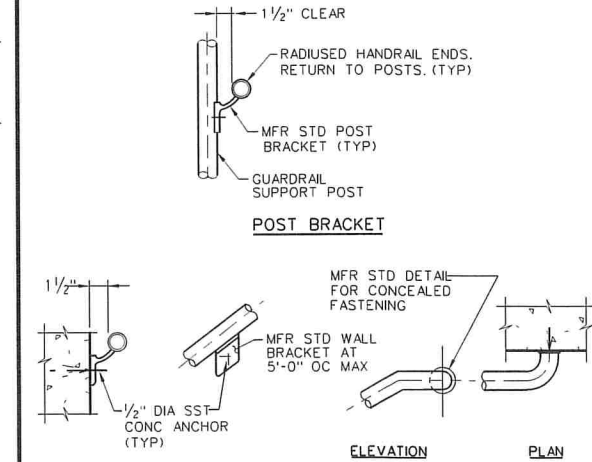
S507 ALUMINUM PICKET TYPE GUARDRAIL
TYP



STAIR GUARDRAIL ELEVATION

- NOTES:
1. SEE SPECIFICATIONS AND TYPICAL DETAIL S507 FOR ADDITIONAL REQUIREMENTS.
 2. HANDRAIL SHALL BE PROVIDED ON EVERY STAIRWAY HAVING TWO OR MORE RISERS. WHERE HANDRAILS ARE REQUIRED, THEY SHALL BE PROVIDED ON BOTH SIDES OF THE STAIRS.
 3. INSIDE HANDRAIL ON SWITCHBACK STAIRS SHALL BE CONTINUOUS.
 4. WHERE THIS DETAIL IS APPLICABLE, STAIR RISERS SHALL HAVE CLOSED FACES. SEE STAIR TREADS AND RISERS DETAILS.

S508	ALUMINUM PICKET TYPE GUARDRAIL
TYP	



SINGLE RAIL BRACKETS

- NOTES:**
1. SINGLE RAIL HANDRAIL ON WALLS SHALL MATCH PROFILE SHOWN FOR GUARDRAIL MOUNTED HANDRAIL.
 2. SEE GUARDRAIL MOUNTED HANDRAILS FOR HANDRAIL EXTENSION REQUIREMENTS.

S509 TYP	ALUMINUM PICKET TYPE GUARDRAIL
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				RECORD DRAWING THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS
REV	DATE	BY		DESCRIPTION
FILE NAME:				

DESIGNED	
MHK/OAA	
DRAWN	
MGT	
CHECKED	
OAA	NONE
DATE	
JANUARY	2012

DISCIPLINE ENGINEER

ORIGINAL
STAMPED BY
M. OSAMA ABDELA
JULY 2009
367786



ENVIROCON
Consulting Engineers Inc.



**Jordan Valley Water
Conservancy District**
8215 SOUTH 1300 WEST
WEST JORDAN, UTAH 84062
PHONE (801) 564-4300

JORDAN VALLEY WATER CONSERVANCY DISTRICT
SOUTHWEST JORDAN VALLEY GROUNDWATER PROJECT
STRUCTURAL
STRUCTURAL STANDARD DETAILS - 6

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	JOB NO. 7096A.10
	DRAWING NO. SD-6

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