

ADDENDUM NO. 2
PROJECT MANUAL
CITY OF COPPERAS COVE
COPPERAS COVE, TEXAS
NORTHWEST WWTP CLARIFIER REHABILITATION PROJECT
CONTRACT 1-2025
BID NO. PW 2025-03-84

Bids will be received until October 2, 2025, at 2:00 p.m., local time.

This Addendum to the Project Manual is issued to modify, explain, or correct the original Project Manual and is hereby made part of the Contract Documents. Insert the number of this Addendum in the blank space provided in the Bid Form, Page 1.

A. DIVISION 00-BIDDING AND CONTRACTING REQUIREMENTS

1. SECTION 00 01 10-TABLE OF CONTENTS

a. Page 00 01 10-2

ADD the following new section to the Table of Contents after
DIVISION 05-METALS:

"DIVISION 08-OPENINGS

ACCESS DOORS AND FRAMES..... 08 31 13- 3"

b. Page 00 01 10-3

ADD the following new section to the Table of Contents under APPENDICES (NOT PART OF CONTRACT DOCUMENTS):

"PRE-BID MEETING REGISTER..... 2"

2. BID FORM

a. Page 2-BASE BID ITEMS.

REPLACE "Reparis" with "Repairs" under Bid Item No. 2.

B. SPECIFICATIONS

1. DIVISION 01-GENERAL REQUIREMENTS

a. Page 01 11 00-2, SECTION 01 11 00-SUMMARY OF WORK, PART 1-GENERAL, 1.05.B.

CLARIFICATION: OWNER shall dewater existing aeration basins and clarifiers to lowest existing drain line in the tank, which is approximately 1 foot above tank floors. CONTRACTOR shall be responsible for and include in the cost of its Bid the dewatering of the approximately bottom 1-foot of each tank prior to cleaning and work within each tank.

CLARIFICATION: Once each aeration basin and its respective final clarifier are taken out of service, CONTRACTOR is allowed a maximum of 8 weeks to complete all Work within the tanks and to return tanks to service.

2. DIVISION 03—CONCRETE

- a. Page 03 30 00-5, SECTION 03 30 00—CAST-IN-PLACE CONCRETE, PART 2—PRODUCTS, 2.06.H.

ADD the following after Paragraph 2.06.H.:

“2.07 WATERSTOPS

- A. PVC waterstops shall be as manufactured by Greenstreak, Inc., W.R. Meadows, Durajoint, or equal. Provide serrated center bulb-type, nontapered 3/8-inch minimum thickness waterstops manufactured from virgin polyvinyl chloride with no reclaimed/scrapped material or pigment whatsoever conforming to Corps of Engineers CRD-C-572. The waterstop shall have an integral fastening system consisting of hogrings or grommets. For 6-inch PVC waterstops in construction joints, use Greenstreak, Inc. Profile No. 732, or equal. For expansion joints, use Greenstreak, Inc. Profile No. 735, or equal. Where 4-inch PVC waterstops are called for in the Drawings, use Greenstreak, Inc. Profile No. 702, or equal.
- B. Hydrophilic waterstop shall be a flexible hydrophilic natural rubber strip composed of nonvulcanized rubber and urethane polymer hydrophilic agent creating a moisture-activated self-healing waterproofing compound.
- C. The hydrophilic waterstop shall be NSF certified for potable water use (Adeka MC-MN).
- D. Hydrophilic waterstop shall be Adeka Ultraseal, or equal, products as follows:
1. Construction Joints:
 - a. Wall/slab thickness greater than 9 inches with double mat of reinforcing: MC-2010MN (3/4 inch by 3/8 inch) with embedded stainless steel wire mesh for expansion control. The waterstop shall develop a minimum of 400 psi expansion pressure and withstand a minimum 150-foot hydrostatic head. Expansion amount shall not exceed 120%.
 - b. Wall/slab thickness between 4 inches and 9 inches and pipe diameter greater than 4 inches and less than or equal to 24 inches: KBA-1510FP (9/16 inch by 3/8 inch). Expansion amount shall not exceed 30%.
 2. Pipe Penetrations:
 - a. Wall/slab thickness between 4 inches and 9 inches and pipe diameter greater than 4 inches and less than or equal to 24 inches: KBA-1510FP (9/16 inch by 3/8 inch).
 - b. Wall/slab thickness greater than 9 inches with double mat of reinforcing and pipe diameter greater than 4 inches and less than or equal to 24 inches: MC-2005T (3/4 inch by 3/16 inch).
 - c. Wall/slab thickness greater than 9 inches with double mat of reinforcing and pipe diameter greater than 24 inches: MC-2010MN (3/4 inch by 3/8 inch) with embedded stainless steel wire mesh for expansion control.”

- b. Page 03 30 00-7, SECTION 03 30 00–CAST-IN-PLACE CONCRETE, PART 3–EXECUTION, 3.01.F.

ADD the following after Paragraph 3.01.F.:

“3.02 WATERSTOPS

- A. Unless otherwise noted, PVC waterstops shall be provided at all expansion joints and at construction joints in floors and walls of structures exposed to ground or liquid on one side and occupied by personnel or submerged equipment on the other side.
- B. PVC waterstops shall be made continuous by splicing. Waterstops shall be spliced using a corner, tee, or cross splice, as applicable, at intersections. Waterstops shall be mitered to maintain the continuity of the ribs and center bulb. Splices shall be made using a hot metal plate or an electric splicer and full butt weld. Direct flame will not be allowed. Sample field-splices shall be submitted to CONSULTANT for review prior to construction.
- C. PVC waterstops placed in all joints shall be securely held in place by an acceptable method or as shown on the Drawings. PVC waterstops shall be installed and secured prior to concrete placement. PVC waterstops shall not be inserted into wet concrete. No nails will be permitted through the waterstop. Great care shall be taken when concrete is placed so that the waterstop remains erect and is not bent over.
- D. Either hydrophilic or PVC waterstop shall be provided at all construction joints in liquid holding tanks and channels that are not adjacent to areas occupied by personnel and at joints between new and existing concrete. Waterstops shall be placed as shown on drawing details, if any, and in accordance with the manufacturer's recommendations. Where not shown on the Drawings, waterstops shall be approximately centered in walls and slabs.”

3. DIVISION 08–OPENINGS

- a. Pages 08 31 13-1 through 08 31 13-3, SECTION 08 31 13–ACCESS DOORS AND FRAMES.

ADD new Section 08 31 13–Access Doors and Frames after Section 05 56 00–Anchor Bolts and Post-Installed Anchors.

4. APPENDICES (NOT PART OF CONTRACT DOCUMENTS)

- a. Pre-Bid Meeting Register

ADD the attached Pre-Bid Meeting Register to the end of the appendices.

C. DRAWINGS

1. SHEET NO. 11–FINAL CLARIFIERS–CLARIFIERS NO. 1 AND NO. 2 - DEMOLITION PLAN

ADD to the end of Demolition Key Note F:

“Contractor shall remove brick/block splash guard and dispose of the materials in accordance with all applicable local, state, and federal regulations.”

2. SHEET NO. 15–FINAL CLARIFIERS–CLARIFIER NO. 2 - ENLARGED PLAN

REPLACE Sheet No. 15 with the attached revised Sheet No. 15R.

3. SHEET NO. 17–FINAL CLARIFIERS–CLARIFIER NO. 2 - SECTIONS

REPLACE Sheet No. 17 with the attached revised Sheet No. 17R.

4. SHEET NO. 23–DETAILS–ARCHITECTURAL/STRUCTURAL/MECHANICAL DETAILS - 2

REPLACE Sheet No. 23 with the attached revised Sheet No. 23R.

**BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM
IN THE SPACE PROVIDED IN THE BID FORM**

Dated at Brenham, Texas
September 25, 2025

STRAND ASSOCIATES, INC.®
TBPE No. F-8405
TBPLS No. 10030000
1906 Niebuhr Street
Brenham, TX 77833





Meeting Register
 Prebid Meeting
 Northwest WWTP Clarifier Rehabilitation
 Contract 1-2025
 Bid No. PW 2025-03-84
 City of Copperas Cove, Texas
 September 19, 2025, 10 A.M.

Please verify your contact information. If it is correct, please check the box (☐) to the left. If updates are necessary, or if you have not previously provided this information, please print your information in the spaces provided.

	Name/Representing	Mailing Address	Contact Information
<input type="checkbox"/>	Jake Collins Strand Associates, Inc.	1906 Niebuhr Street Brenham, TX 77833	Phone No.: 979-836-7937 Cell No.: 262-501-9430 Fax No.: E-mail: Jake.Collins@strand.com
<input type="checkbox"/>	Kelly Hajek Strand Assoc.	"	Phone No.: 979-836-7937 Cell No.: Fax No.: E-mail: Kelly.hajek@strand.com
<input type="checkbox"/>	Thomas Brooks Copperas Cove		Phone No.: 254-547-9966 Cell No.: Fax No.: E-mail: tbrooks@CopperasCoveTX.gov
<input type="checkbox"/>	Vaughan Deviney Copperas Cove		Phone No.: 254-547-9966 Cell No.: Fax No.: E-mail: vdeviney@CopperasCoveTX.gov
<input type="checkbox"/>	Chris Altott City of Copperas Cove		Phone No.: 254-547-0751 Cell No.: Fax No.: E-mail: caltott@CopperasCoveTX.gov
<input type="checkbox"/>	Paul Skogen Archer Western	1411 Greenway Dr Irving TX 75038	Phone No.: Cell No.: 512 590 9118 Fax No.: E-mail: PSKOGEN@walshgroup.com
<input type="checkbox"/>	Cynthia Taylor City of C.C.	1601 N 1st Street Copperas Cove, TX 76502	Phone No.: 254-547-0751 Cell No.: Fax No.: E-mail: ctaylor@CopperasCoveTX.gov



Meeting Register
 Prebid Meeting
 Northwest WWTP Clarifier Rehabilitation
 Contract 1-2025
 Bid No. PW 2025-03-84
 City of Copperas Cove, Texas
 September 19, 2025, 10 A.M.

Please verify your contact information. If it is correct, please check the box (☐) to the left. If updates are necessary, or if you have not previously provided this information, please print your information in the spaces provided.

	Name/Representing	Mailing Address	Contact Information
<input type="checkbox"/>	Homero Gonzalez RGV Industrial		Phone No.: 956-207-7060 Cell No: 956-681-9699 Fax No.: E-mail: Industrialmsp@yahoo.com
<input type="checkbox"/>	Brendan Kelly HRM Environmental		Phone No.: Cell No: 512-903-5444 Fax No.: E-mail: bkelly@hrmenv.com
<input type="checkbox"/>	Jose Perez SSP-ind		Phone No.: 254 392 9527 Cell No: Fax No.: E-mail: jperez@ssp-ind.com
<input type="checkbox"/>	Hayward clay SSP incl		Phone No.: 254 319 5711 Cell No: Fax No.: E-mail: Hclay@ssp-ind.com
<input type="checkbox"/>	Clay Praesel Texas Cutting & Coring		Phone No.: 512-709-6192 Cell No: Fax No.: E-mail: clay@texas curb cut.com
<input type="checkbox"/>	Matt Didier Texas Cutting & Coring		Phone No.: 512 297 5806 Cell No: Fax No.: E-mail: Matt@texascurbcut.com
<input type="checkbox"/>			Phone No.: Cell No: Fax No.: E-mail:

SECTION 08 31 13

ACCESS DOORS AND FRAMES

PART 1—GENERAL

1.01 SUMMARY

- A. Work included: Aluminum floor doors and frame units.
- B. Related Sections and Divisions: Applicable provisions of Division 01 shall govern work in this section.

PART 2—PRODUCTS

2.01 ALUMINUM FLOOR DOORS AND FRAMES

- A. Acceptable products include the following, or equal: The Bilco Company, Type J.
- B. Type J doors shall be designed for a minimum live load of 300 psf with a maximum deflection of 1/150 of span.
- C. Doors shall be constructed of stiffened 1/4-inch aluminum diamond-pattern plate.
- D. Channel frame for Type J doors shall be 1/4-inch extruded aluminum with bend-down anchor tabs. Depth of frame shall be 6 inches. A continuous EPDM gasket shall be mechanically attached to the frame around the entire perimeter.
- E. Hinges shall be through bolted to the door and frame with tamper-proof Type 316 stainless steel lock bolts.
- F. Provide 1 1/2-inch drain coupling located in corner of channel frame for Type J doors.
- G. Type J doors shall be equipped with required number and size of compression spring operators for door to operate easily and smoothly. Provide heavy-forged cam-action hinges to open door so edge of door does not open into channel. Doors shall have smooth controlled operation and not be affected by temperature.
- H. Provide hold-open arm that automatically locks in open position. Provide snap lock with fixed handle mounted to underside of cover. Provide removable exterior turn/lift handle with spring-loaded ball detent to open cover. All hardware shall be Type 316 stainless steel for corrosive environment.

2.02 ACCESS DOORS AND FRAMES

- A. Access doors shall be 14-gauge steel with 16-gauge frame.
- B. Acceptable products include the following, or equal: J.L. Industries.

2.03 FINISH

- A. Aluminum floor doors and frames shall have mill finish. Apply bituminous coating to portions of frames in contact with concrete.
- B. Steel access doors shall have shop-applied prime coat compatible with field paint system specified.

2.04 ACCESSORIES

- A. All aluminum floor/door openings shall be fitted with a permanently installed, fall-through prevention rail and net system that is easily retractable for access to the opening below. This system shall be Hatch Net 121 as manufactured by Safe Approach, Inc., Poland, Maine, or approved equal.
- B. The fall-through prevention system shall consist of the following components:
 - 1. A polyester safety net manufactured to ANSI A10.11 specification for personnel nets.
 - 2. Extruded aluminum side rails: Aluminum Alloy 6061-T-6 with an ultimate tensile strength of 18 KSI, a yield strength of 8 KSI, and a shear strength of 12 KSI.
 - 3. 316 stainless steel corner hooks.
- C. Each net assembly will come with a permanently attached label with the following information: Name of manufacturer, identification of net material, date of manufacture, date of prototype test, name of testing agency, and serial number.
- D. All stainless steel hardware and instructions necessary for proper installation of the net system shall be provided by the net system manufacturer. Installation shall be in accordance with the manufacturer's instructions.
- E. The complete assembly, including the net, shall be warranted against defects in material and workmanship for manufacturer's standard time period.

PART 3-EXECUTION

3.01 INSTALLATION

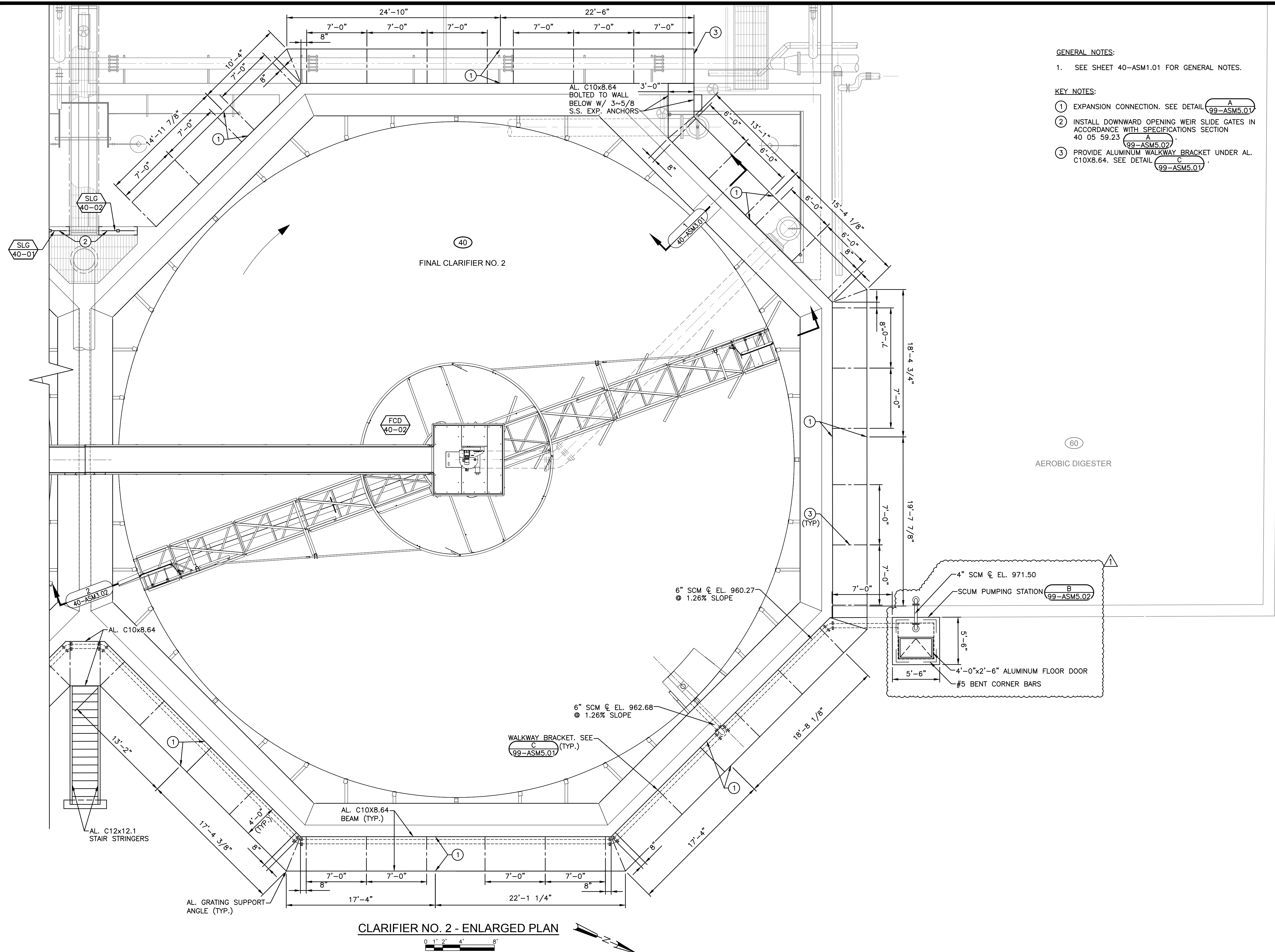
- A. Installation shall be in accordance with manufacturer's instructions and approved submittals. Locate units level, plumb, and in proper alignment with adjacent work.
- B. Provide piping from channel frames for Type J floor doors from outlet to base of wall nearest floor drain or through wall to ground for tank structures. Terminate pipe in minimum 1 cubic foot of clear stone if termination is below ground.

3.02 ADJUSTING AND CLEANING

- A. Clean exposed surfaces using methods acceptable to the manufacturer that will not damage finish.
- B. Test units for proper function and adjust until proper operation is achieved.
- C. Repair finishes damaged during installation.

- D. Restore finishes so no evidence remains of corrective work.

END OF SECTION

[illegible]

**FINAL CLARIFIERS
CLARIFIER NO. 2 - ENLARGED PLAN**

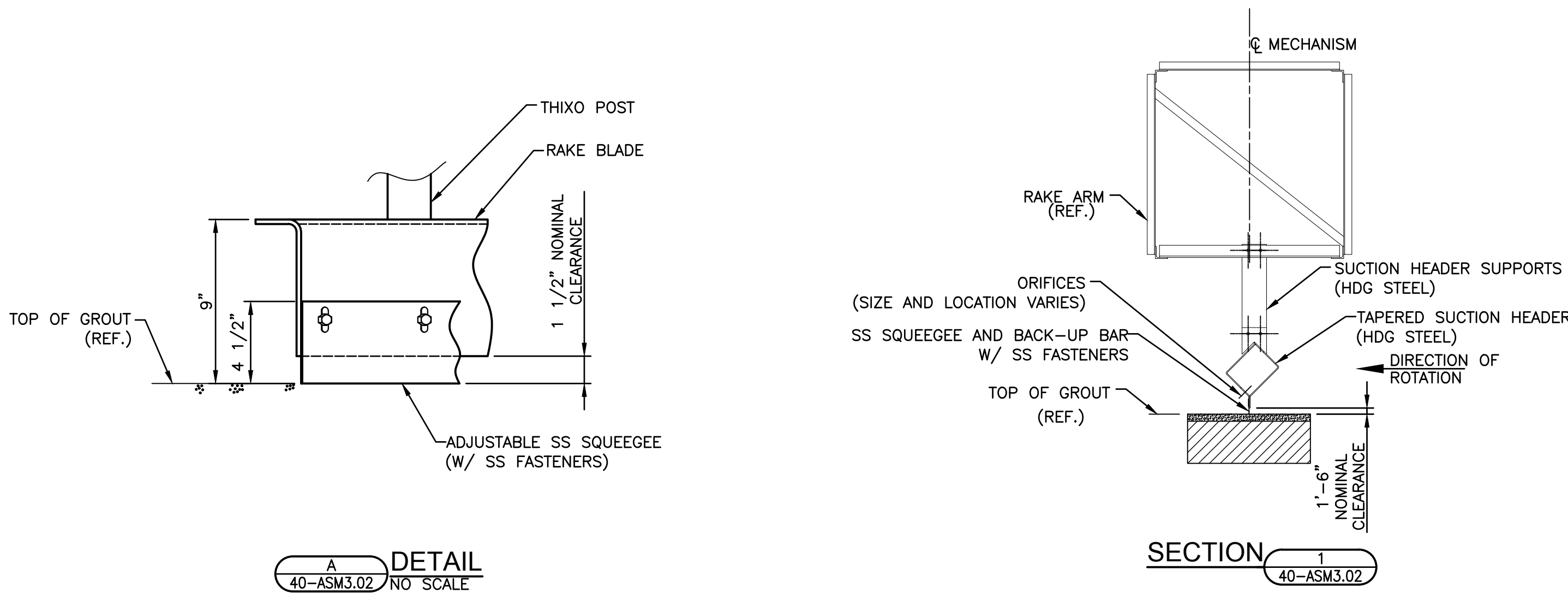
**CITY OF COPPERAS COVE
NORTHWEST WWTP CLARIFIER REHABILITATION PROJECT
CORYELL COUNTY, TEXAS**

JOB NO.
1157.001

PROJECT MGR.
KMH

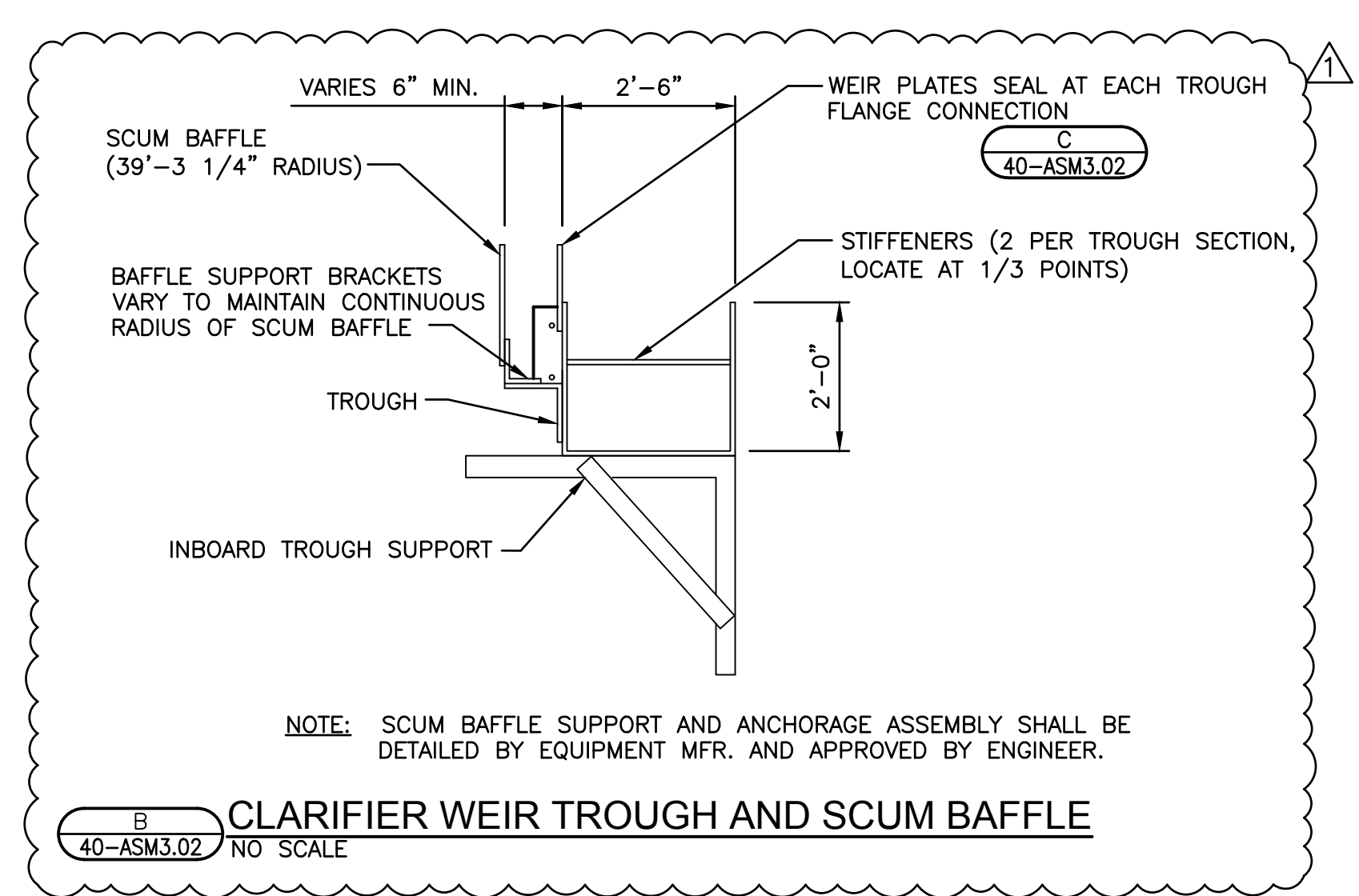


**SHEET
15R
40-ASM1.03**

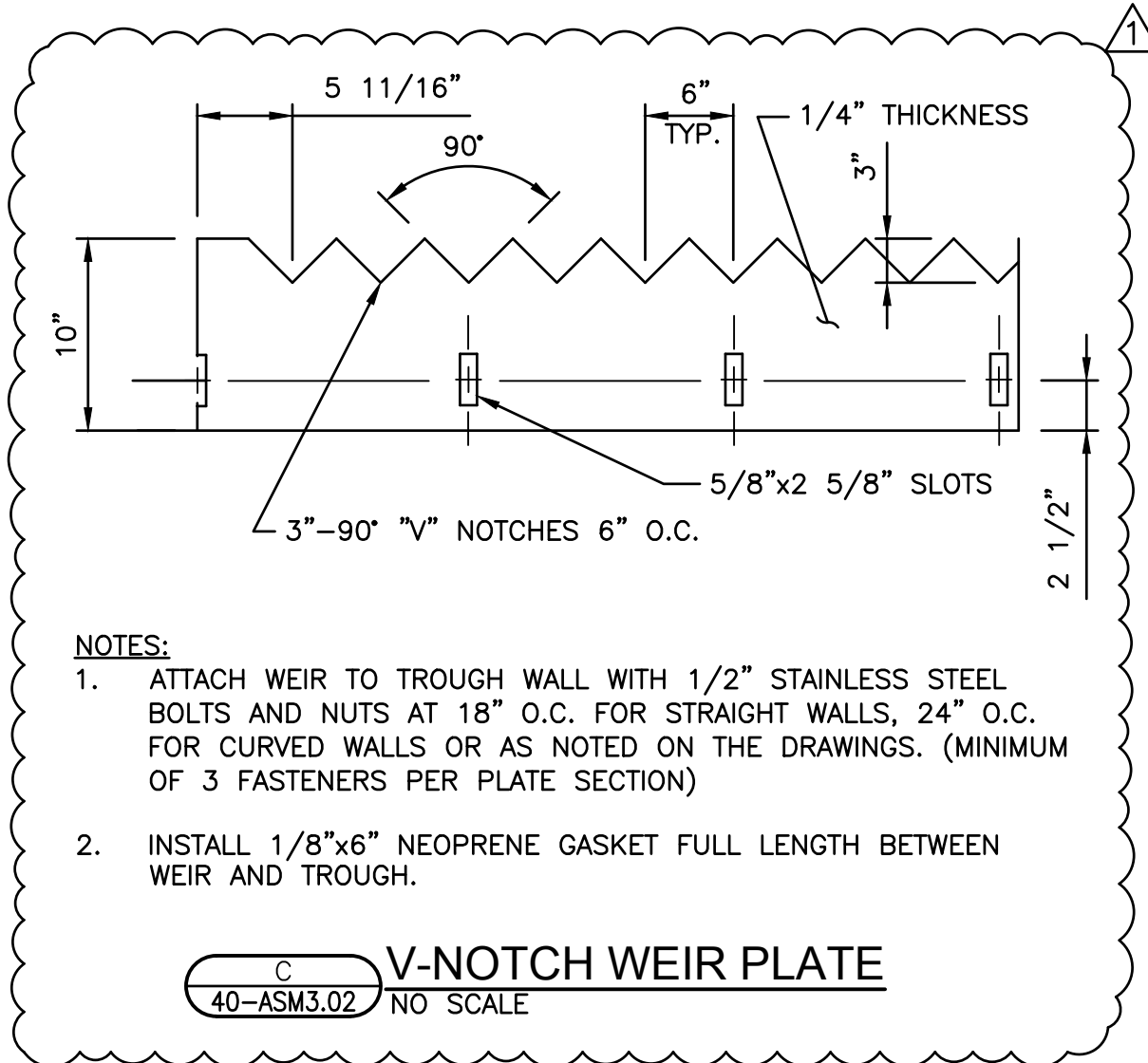


A
40-ASM3.02
DETAIL
NO SCALE

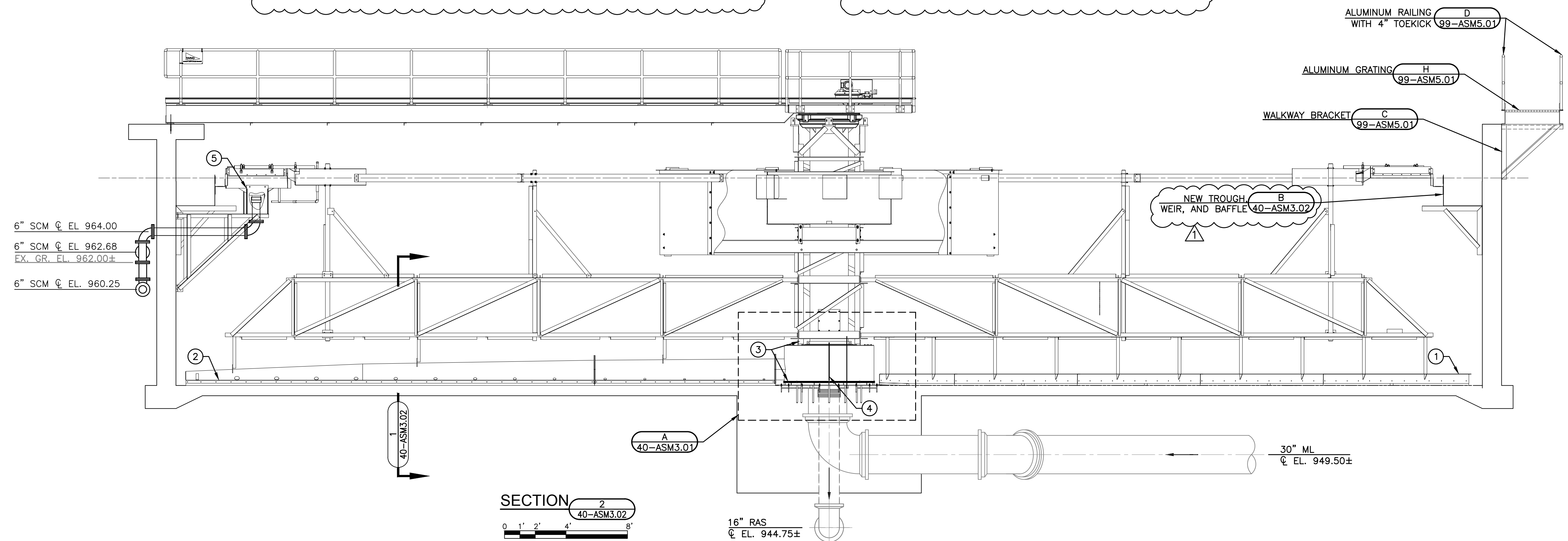
SECTION 1
40-ASM3.02



B
40-ASM3.02
CLARIFIER WEIR TROUGH AND SCUM BAFFLE
NO SCALE



C
40-ASM3.02
V-NOTCH WEIR PLATE
NO SCALE



SECTION 2
40-ASM3.02

- GENERAL NOTES:**
- SEE SPECIFICATION DIVISION 01 FOR CONSTRUCTION SEQUENCE REQUIREMENTS.
 - ALL CLARIFIER MECHANISMS AND APPURTENANCES SHALL BE HOT-DIPPED GALVANIZED STEEL, UNLESS SPECIFIED OTHERWISE.

- KEY NOTES:**
- FURNISH AND INSTALL NEW RAKE BLADE AND SUPPORTS IN ACCORDANCE WITH SPECIFICATIONS SECTION 46 43 22. **A** 40-ASM3.02
 - FURNISH AND INSTALL NEW HOT-DIPPED GALVANIZED TAPERED SUCTION HEADER AND SUPPORTS IN ACCORDANCE WITH SPECIFICATIONS SECTION 46 43 22. **1** 40-ASM3.02
 - FURNISH AND INSTALL NEW UPPER AND LOWER SEALS ON SLUDGE COLLECTION DRUM IN ACCORDANCE WITH SPECIFICATIONS SECTION 46 43 22. **1** 40-ASM3.02
 - CONTRACTOR SHALL ISOLATE EFFLUENT RAS PIPE FROM INFLUENT FLOW PIPE BY USE OF A CENTER MANIFOLD DEVICE (CMD) BY OVIVO, OR EQUAL. **A** 40-ASM3.01
 - FURNISH AND INSTALL NEW HOT-DIPPED GALVANIZED STEEL SCUM BEACH AND SCUM BOX.



DATE:	9/05/2025	9/24/2025							
ISSUED FOR BID									
ADDITION NO. 2									
NO.	1								

FINAL CLARIFIERS
CLARIFIER NO. 2 - SECTIONS

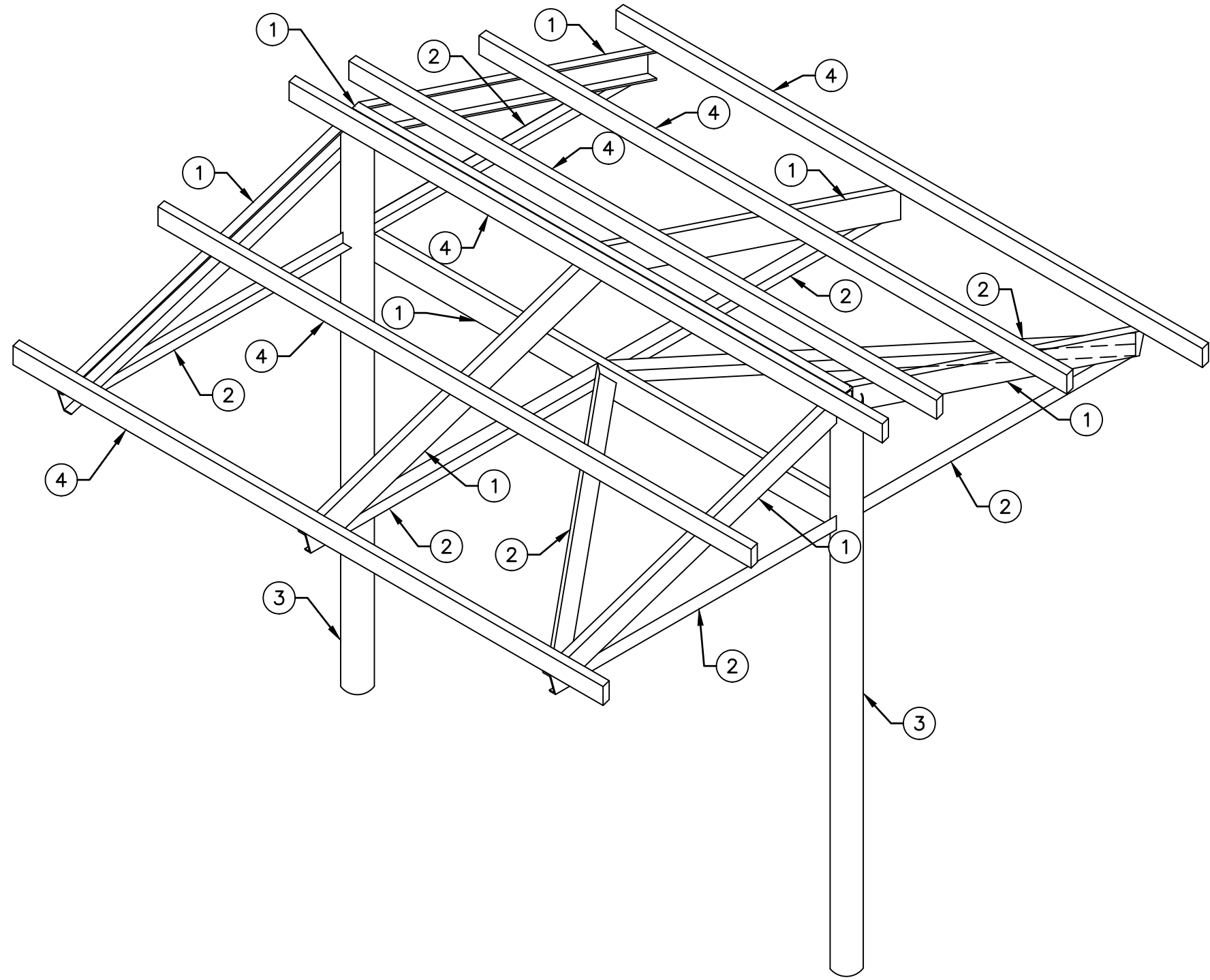
CITY OF COPPERAS COVE
NORTHWEST WTP CLARIFIER REHABILITATION PROJECT
CORYELL COUNTY, TEXAS

JOB NO.
1157.001

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KMH

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17R
40-ASM3.02



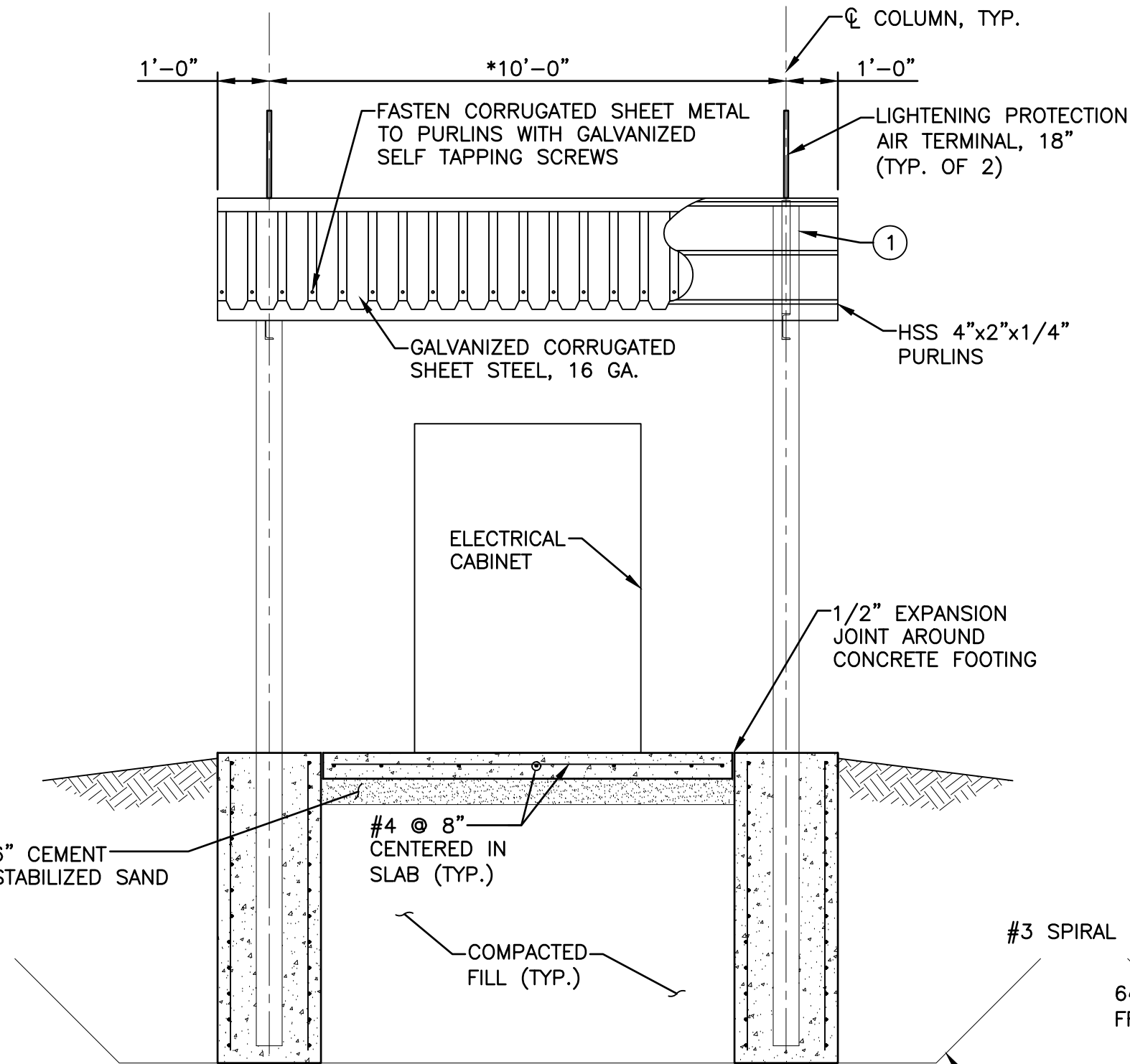
ISOMETRIC
NO SCALE

GENERAL NOTES:

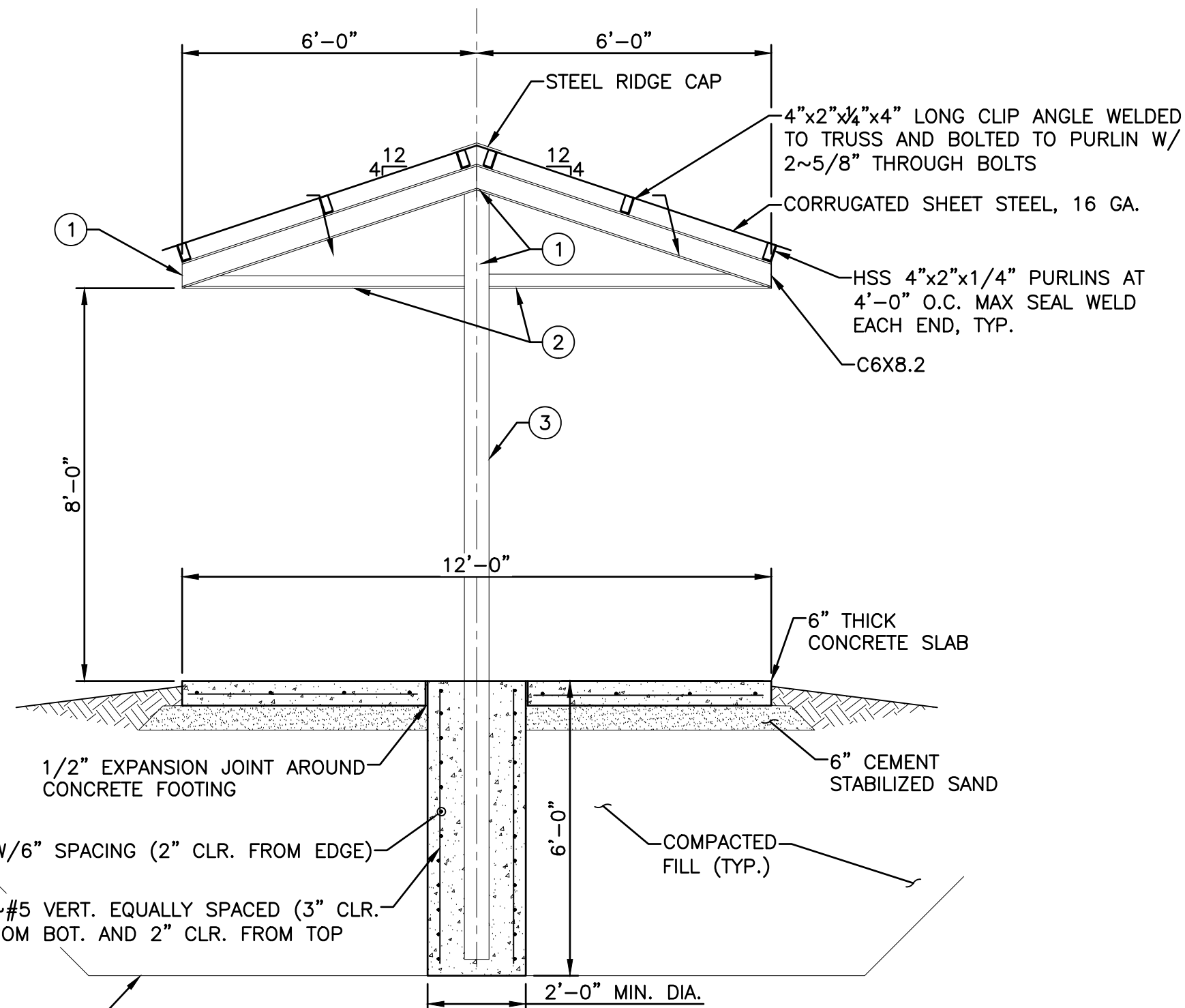
- SLOPE SLAB-ON-GRADE 1/4" PER FOOT TO DRAIN.
- METAL DECK SHALL BE GALVANIZED AND SHOP PAINTED.
- ALL STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED GRADE 36.
- GEOTECHNICAL ENGINEER SHALL REVIEW SUBGRADE CONDITIONS PRIOR TO PLACEMENT OF COMPACTED FILL. SEE SPECIFICATION FOR FURTHER CLARIFICATION. LIMITS OF OVER EXCAVATION SHALL EXTEND A MINIMUM OF 5'-0" BEYOND THE EDGE OF CONCRETE

KEY NOTES:

- C6X8.2
- ∠3"x3"x $\frac{5}{8}$ "
- 6" SCH 40
- HSS 4"x2"x $\frac{1}{4}$ "



FRONT ELEVATION
NO SCALE



SIDE ELEVATION
NO SCALE

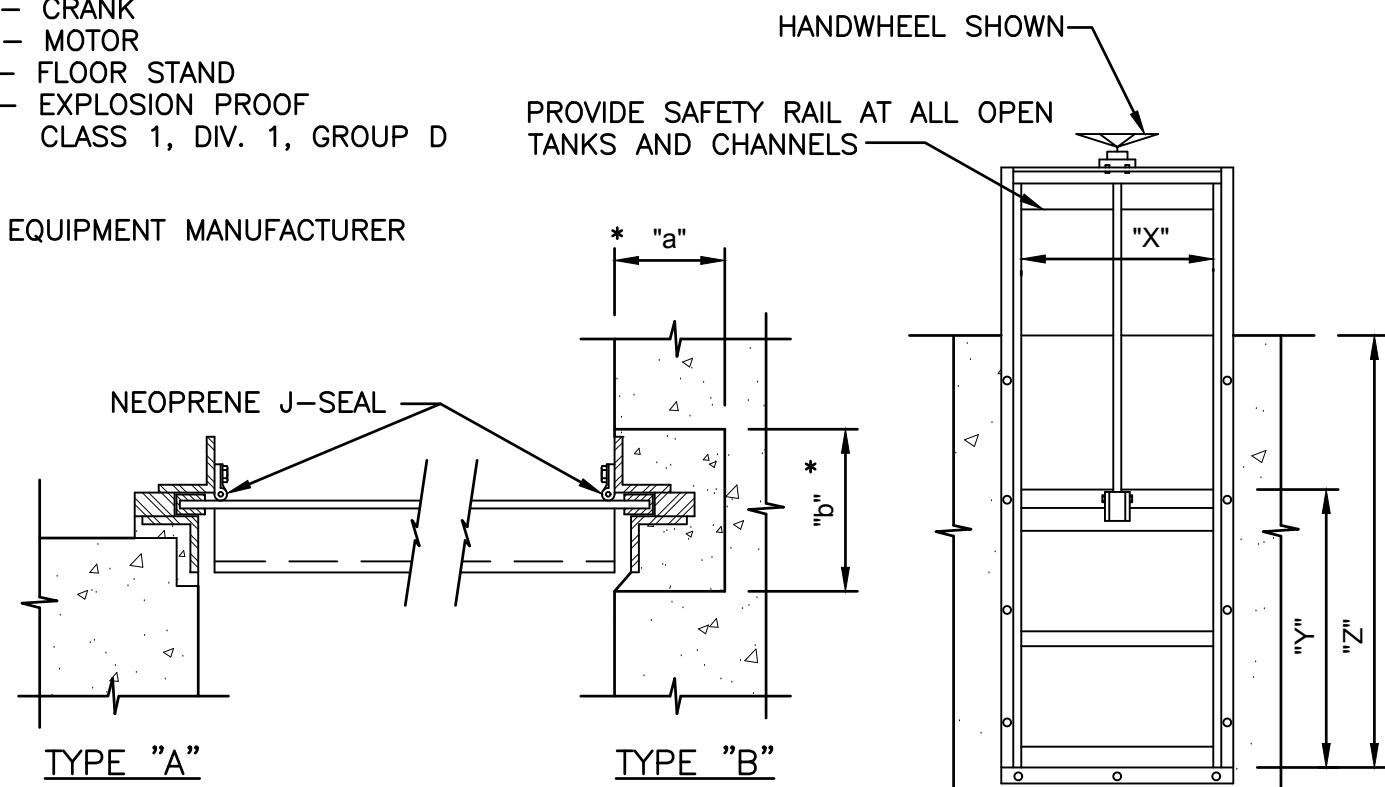
*CONTRACTOR TO VERIFY SIZE AND CLEARANCES WITH ELECTRICAL CABINET MANUFACTURER.

C
99-ASM5.02
ELECTRICAL EQUIPMENT CANOPY
NO SCALE

REFERENCE DWG. NUMBER	EQUIPMENT NUMBER	DIMENSION "X"	DIMENSION "Y"	DIMENSION "Z"	MOUNTING TYPE SIDES	MOUNTING TYPE INVERT	OPERATOR TYPE **
40-ASM1.02	40-SLG-01	4'-3"	4'-0"	9'-0"	"A"	"A"	H
40-ASM1.03	40-SLG-02	4'-3"	4'-0"	9'-0"	"A"	"A"	H

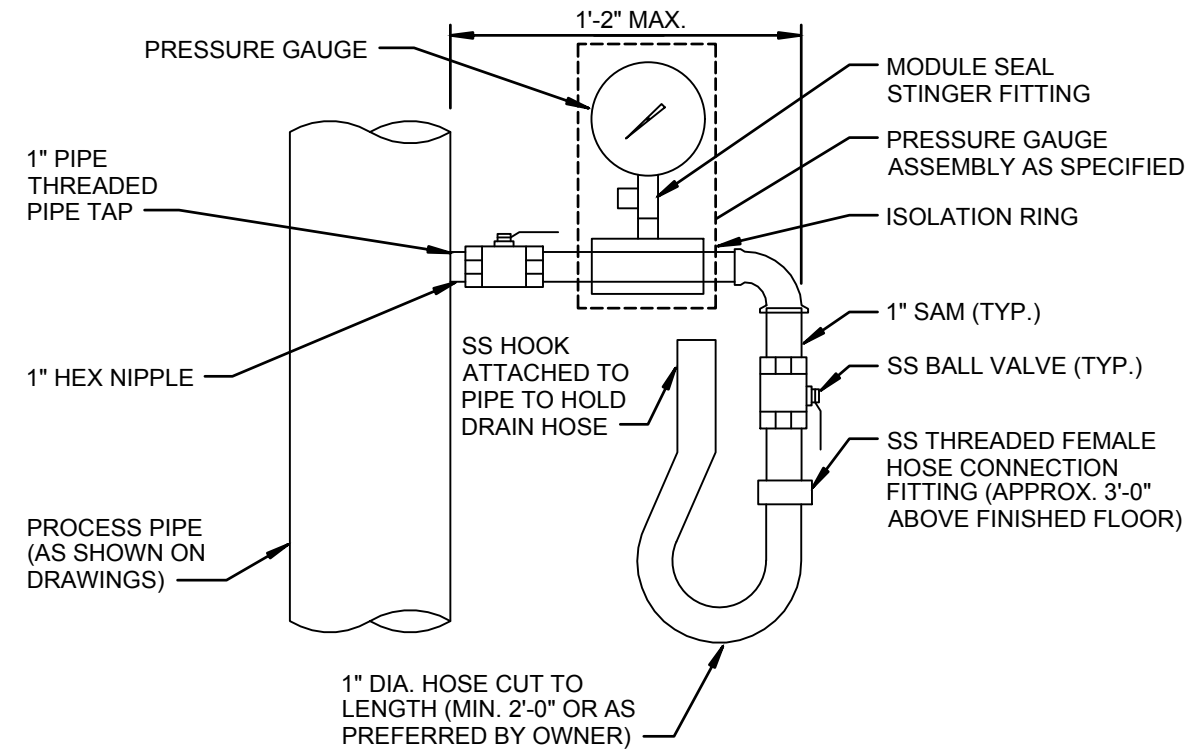
**H - HANDWHEEL
C - CRANK
M - MOTOR
F.S. - FLOOR STAND
E.P. - EXPLOSION PROOF
CLASS 1, DIV. 1, GROUP D

† BY EQUIPMENT MANUFACTURER

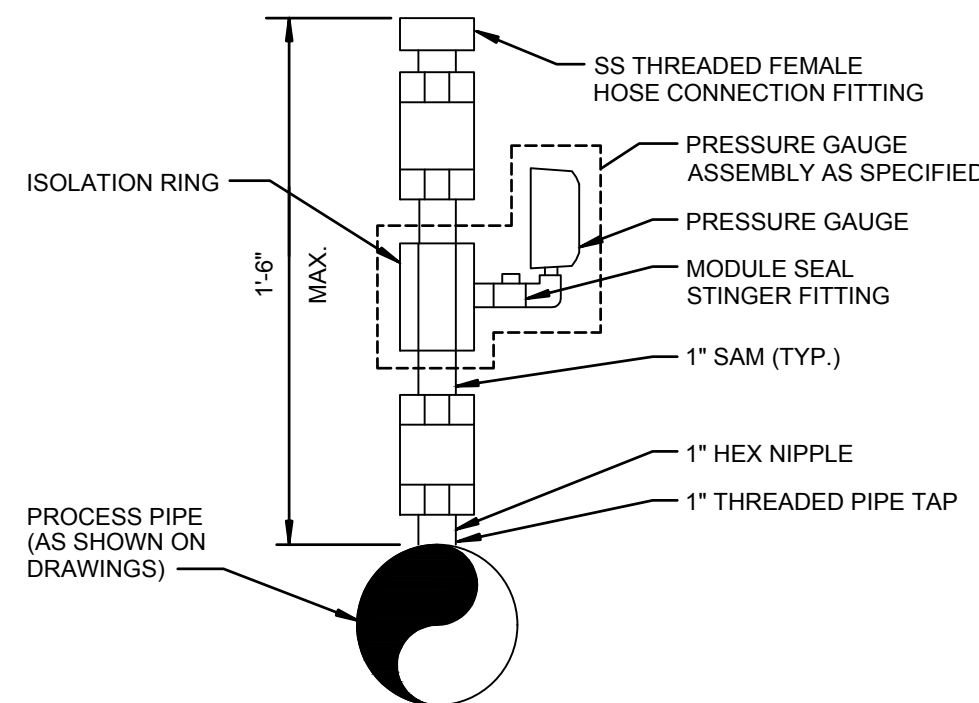


*CONFIRM WITH MANUFACTURER

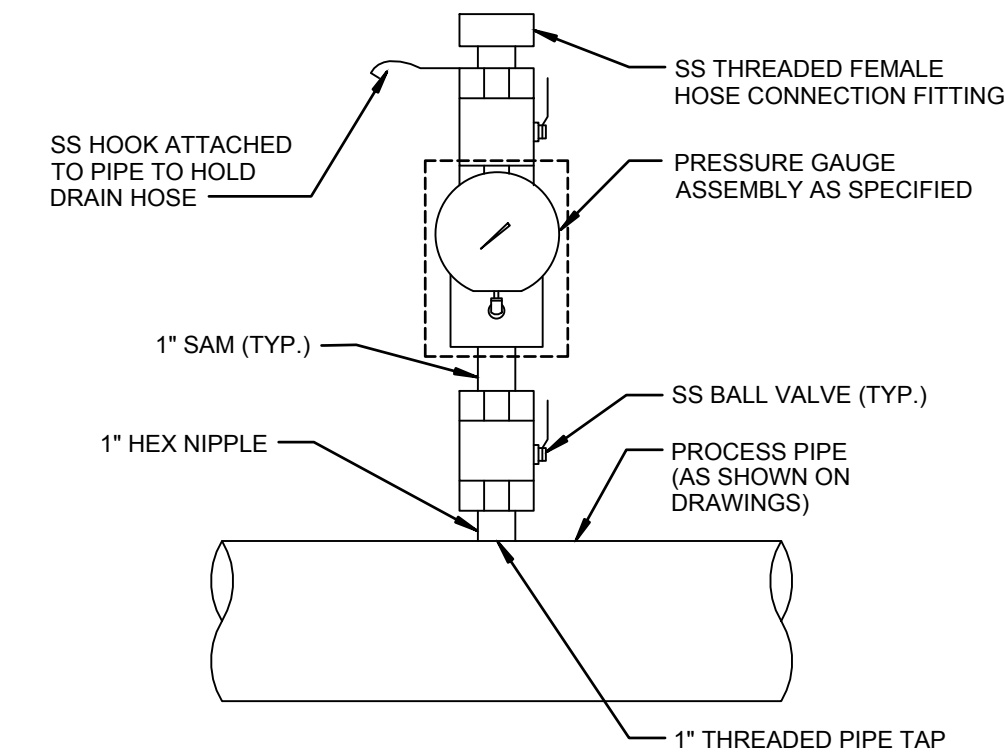
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99-ASM5.02
SLIDE GATE DETAILS
NO SCALE



VERTICAL PROCESS PIPE -
HORIZONTAL TAP
ARRANGEMENT
NO SCALE



HORIZONTAL PROCESS PIPE -VERTICAL
TAP ARRANGEMENT SIDE VIEW
NO SCALE

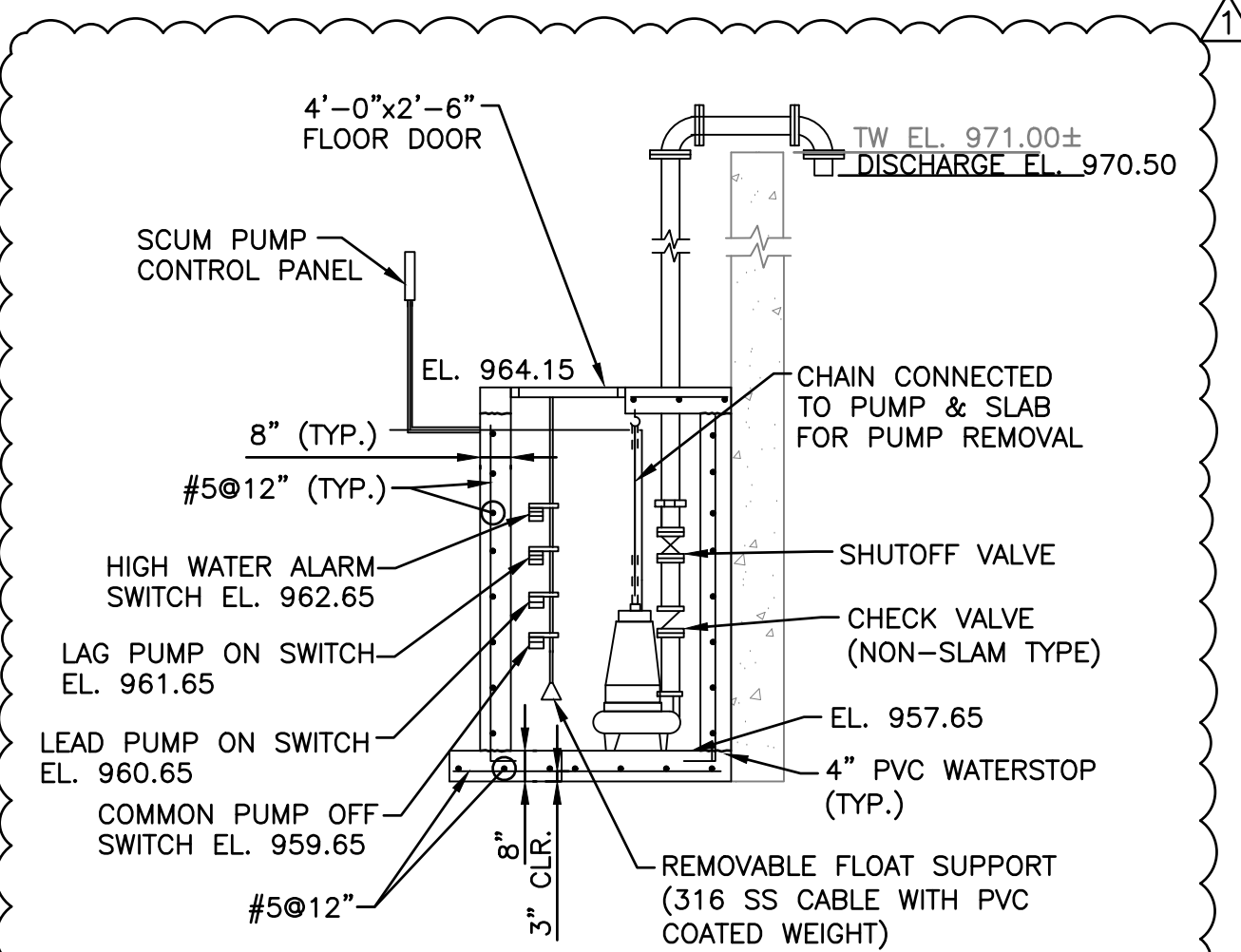


HORIZONTAL PROCESS PIPE -VERTICAL TAP
ARRANGEMENT -FRONT VIEW
NO SCALE

GENERAL NOTES:

- PROVIDE TAPPING BOSS ON PROCESS PIPE AS REQUIRED TO PROVIDE SUFFICIENT PIPE WALL THICKNESS FOR FULL DEPTH THREADS IN WALL OF PIPE WITHOUT PROJECTION OF SAMPLE PIPE INTO INSIDE DIAMETER OF PROCESS PIPE.
- PROVIDE STAINLESS STEEL SAMPLE PIPING AND BALL VALVES IN ACCORDANCE WITH SPECIFICATIONS.
- LOCATE SAMPLE AND GAUGE PIPE ARRANGEMENT AS REQUIRED TO AVOID INTERFERENCE WITH EQUIPMENT, VALVES, OR PIPING MAINTENANCE AND TO ALLOW FOR EASE OF READING PRESSURE GAUGE AND ACCESS FOR MAINTENANCE. CONFIRM PIPE ARRANGEMENT WITH OWNER.

D
99-ASM5.02
PRESSURE GAUGE ASSEMBLY
NO SCALE



B
99-ASM5.02
SCUM PUMPING STATION
NO SCALE



DATE:	9/05/2025	9/24/2025							
REVISIONS									
NO.	1								

ARCHITECTURAL/STRUCTURAL/MECHANICAL DETAILS - 2

CITY OF COPPERAS COVE
NORTHWEST WTP CLARIFIER REHABILITATION PROJECT
CORYELL COUNTY, TEXAS

JOB NO.

1157.001

PROJECT MGR.

KMH



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23R

99-ASM5.02