200 Clinton Ave W, Suite 704
Huntsville, Alabama 35801
(256) 203-9501

September 26, 2024

Project No: 100200.32

ADDENDUM NO. 4
TO THE CONTRACT DOCUMENTS AND DRAWINGS

For the construction of the
Aloe Bay Water Quality Enhancement Wastewater Treatment Facility

To All Planholders:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents and Drawings for the **Aloe Bay Water Quality Enhancement Wastewater Treatment Facility** project for Dauphin Island Water and Sewer Authority as fully and completely as if the same were set forth therein:

SPECIFICATIONS

1. Replace Bid Form with revised Bid Form – Addendum 4
   Added item #6 for additional cut and fill beyond the amount in Addendum 3 table. To be utilized by direction of the owner and Geotechnical engineer.

DRAWINGS

1. Replace Sheet E-0.84 with Revised Sheet E-0.84
2. Replace Sheet E-0.50 with Revised Sheet E-0.50
3. Replace Sheets A-2.1 and A-5.0 with Revised Sheets A-2.1 and A-5.0

CLARIFICATIONS

1. Door #4 as shown on Sheet A-5.0 will change from a flat panel door to a door with glazing in the same locations as the panels are currently shown
2. Clarifier launder covers shall be manufactured by MFG, Enduro composites or equal. Launder cover sections shall be designed to open independently.
3. File Storage, BOD Incubator, Conference Room Table/chairs, Breakroom Table/chairs, and Office Table/chairs to be furnished by owner. Refer to Markups for sheet A-2.0.
4. The generator shall be a 500kW unit (in lieu of the 600 kw unit originally shown on the project plans) and it shall be supplied with a 1,500 gallon sub-base fuel tank.

ATTACHMENTS

1. Revised Sheet E-0.84
2. Markups to Sheet E-0.80
3. Markups to Sheet A-2.0
4. Revised Sheet E-0.50
5. Revised Sheets A-2.1 and A-5.0
6. Revised Bid Form

REQUEST FOR EQUALS

1. Kone Elevator is the basis of design. TK Elevator is an allowable alternate. The contractor shall be responsible for any deviations and cost for any changes to the design information on the drawings, size of the elevator shaft, electrical requirements, mechanical requirements, or plumbing requirements changing from Kone to TK Elevator that may be required.

QUESTIONS

1. Can the engineer please provide a checklist of all forms that must be submitted with the Bid?

See list below:

- **Complete copy of bid**
- **Bid Bonds**
- **UEI number for prime contractor and all subs identified as part of the contract**
- **Proof of prime contractor active registration in SAM.gov**
- **Prime contractor signed SF-LLL**
- **Prime contractor proof of compliance with 2 CFR 200.321**
    - **If the contractor who received tentative award WILL NOT issue subcontracts:**
        - **Self-performance certification**
    - **If the contractor who received tentative award WILL issue subcontracts:**
        - **Subcontractor Listing Form completed by the Prime Contractor**
        - **Proof of active Sam.gov registration for each Subcontractor**
        - **MBE/WBE certification from each MBE/WBE firm**
        - **Solicitation letters mailed to certified MBE/WBE firms**
        - **List of certified MBE/WBE firms submitting quotes and NOT awarded subcontracts**
        - **Documentation supporting selection**
        - **Town Business License? When do they need that**
        - **Confirmation that Contractor has proper licensing to execute the scope of work**

2. Reference sheet M-4.3. On the PEMB's, should the primary structural framing be galvanized per this drawing or shop primed for paint per the specs? If galvanized, what thickness rating? This question applies to both of the PEMB's.

The primary structural framing should be galvanized with a G90 thickness rating of 0.108in.

3. For structures in flood hazard areas, there are reference standards that detail the minimum requirements and expected performance for the siting and design and construction of these structures. The Process Basins and Digester Tank should be designed following **ASCE 24-14 Flood Resistant Design and Construction** (Table 4-1, Flood Design Class 3) since the site has been classified as Zone AE. Based on FEMA Map No. 01097C0913L (06/05/2020), the BFE (Base Flood Elevation) of the tank site is 10.00 ft. Per ASCE 24-14, for Flood Design Class 3, the tanks shall be designed based on BFE +2, which equates to 12.00 ft elevation. Please confirm that the Process Basins and Digestor tanks shall be designed to flood elevation 7.00 per Specifications 13220 Prestressed Concrete Tank, Section 1.06 B.

Tanks are to be designed for a max 1-foot stormwater surge depth (7.00-ft). Refer to Specification 13220 Prestressed Concrete Tank, Section 1.06 B where owner is to match water elevation if storm surge rises higher than an elevation of 7.00-ft

4. Plan sheet E-0.84 requires bonding structural rebar to ground ring. Bonding to any concrete encased tank steel is not recommended and shall not be allowed, per the tank manufacturer. All bonding shall be done by using air terminals on the top of the wall/dome with PVC conduit adhered to the exterior tank wall.

The electrical grounding, bonding, and lightning protection in association with the process basins, buildings, and plant structures have been updated as detailed on the attached drawing. Per the tank manufacturer and AWWA, bonding to concrete encased tank steel is not recommended or allowed. Therefore, the prestressed concrete tanks themselves (for the process basins and digester) shall not be bonded to the grounding ring. A separate lightning protection system shall be employed/installed after construction of the tanks using air terminals along the tank walls and down conductors secured to the tank exterior walls via PVC conduit that shall then be bonded to the grounding ring below grade around the tank structure (see associated addendum drawing).

5. Drawing A-21.0 calls out Sherwin Williams epoxy but the specs on page 09672-3 of 7 calls out Silikal and there is a major price difference. Should we go by the specs or the drawings?

Silikal 61CQ for inside and Silikal 368TCQ outside in the Restroom.

6. What is the proposed location for APCO transformer? Need to know this for the incoming feeds to the facility .

The proposed location for the APCO transformer is the northeast corner of the operations building. Refer to Sheet E-0.80 Markups.

7. There are pull boxes on DWG E-0.82 and DWG E-0.83 located in the exact location of each other. Is it the intent of the EOR to utilize 1—pull box for instrumentation and power with a separator in these areas? Or will this need to be two separate boxes?

The intention is for separate pull boxes for power and control. The pull boxes are shown in the same locations, but their final locations are subject to conditions in the field. If space becomes a limitation and separation can be maintained within the boxes for power and control conductors, a combined box is acceptable.

8. The Process Basin inner tank requires a full perimeter wall boss for the bottom kicker support of the aluminum walkway. This wall boss is in direct conflict with the 16” ductile iron wall pipe for the effluent drop box. Please confirm that it is acceptable to lower the

effluent drop box 1'-8" so the 16" effluent wall pipe has a centerline elevation of 19.58 and does not interfere with the perimeter walkway wall boss.

Yes, this is acceptable

9. Please provide the minimum height required for the 4'-0" x 3'-0" concrete support pads for the FRP baffle walls.

Final concrete support pad height shall be coordinated with requirements from the FRP baffle wall supplier. It is anticipated that these support pads will need to be an additional 6" in thickness.

10. Please confirm that the tank manufacturer is not responsible for supplying and installing the FRP baffle walls and this scope of work will be provided by the FRP wall supplier.

The G.C. is responsible for supplying and installing the FRP baffle walls. The G.C. is responsible for coordinating all attachments to the tank with the tank manufacturer prior to construction.

11. Please clarify the elevation of the water line mentioned in Specification 13220 Prestressed Concrete Tank- 2.09 Painting – A.2 and 3 for the process/clarifier tanks and the clarifier launders.

Normal water line elevation is 25.5-ft.

12. Please clarify the elevation of the water line mentioned in Specification 09900 Painting – C. Launder Coating Systems – 1. Surface Preparations

Normal water line elevation is 25.5-ft.

13. Please clarify the intended coating system for the interior walls of the Digester Basin

No coating is required for the interior walls of the Digester Basins. Exterior coating shall extend to the interior edge of the wall.

14. Should our bridge extend just along the inner basin, or should it extend over the outer aeration tank as well?

The bridge walkway shall extend to the headworks structure as shown on the drawing sheets. The circular clarifier walkway shall intersect the clarifier bridge as shown.

15. Do the Clarifier mechanisms get painted? Which spec section is it in?

Refer to specification 11600 – Scraper type clarifiers – Addendum 1 section 2.3

16. Please clarify the laboratory equipment that is in the Allowance. The plans show a BOD incubator, possibly a special lab-type refrigerator in the lab, and a lab fume hood. However, the lab fume hood is specified in section 11601. So does the lab fume hood go in the base bid? What about the other lab equipment? Please clarify.

Range hood, Range, Refrigerator/Freezer, Dishwasher, Ice Maker, Washer and Dryer and Fume hood to be provided in base bid per appliance legend on Sheet A-22.0

17. Is the File Storage shown in the Control Room to be provided by the Owner? If not, please provide details.

File Storage cabinets are to be provided by the owner. See Markup Sheet A-2.0.

18. A-1.0 on the ground floor, at elevator indicates B1 walls which are according to A-15.0 Wall types page, is to be CMU without metal studs or drywall, however detail 3/A-20.0 appears to show something on the CMU but does not designate what just says “Ref Wall Section/Typ Enclosure Detail”

Wall Tag B1 on A-15.0 is correct- the face of CMU shall be painted

19. Detail 1- & 3-page A-14.0 indicates at bottom side of 2nd fl. structure, metal stud framing, there is no RCP for ground floor, what is the extent of the framing, how for down does it drop, what type framing members are necessary it appears to show 3-5/8” framing members dropping approx..
    1. 6”-7” at 16oc, please clarify?

Refer to revised sheet A-2.1.

20. Could not 7/8” or 1-1/2” hat channels at 18ga. be shot to bottom of structure to receive the Hardi Board? Please clarify

Clarified in Revised sheets A-8.0, A-9.0, A-10.0, A-14.0, A-15.0, A-17.0 attached to Addendum 3.

21. And since the CMU walls are insulated would the underside of that floor structure need to be insulated also?

The floor structure is an Insul-Deck system with a cast in place topping slab.

22. A door hardware schedule is noted in the specs and on sheet A-5.0. The schedules are different. Please clarify which one we are to utilize.

Contractor to use hardware listed on sheet A-5.0.

Ardurra,

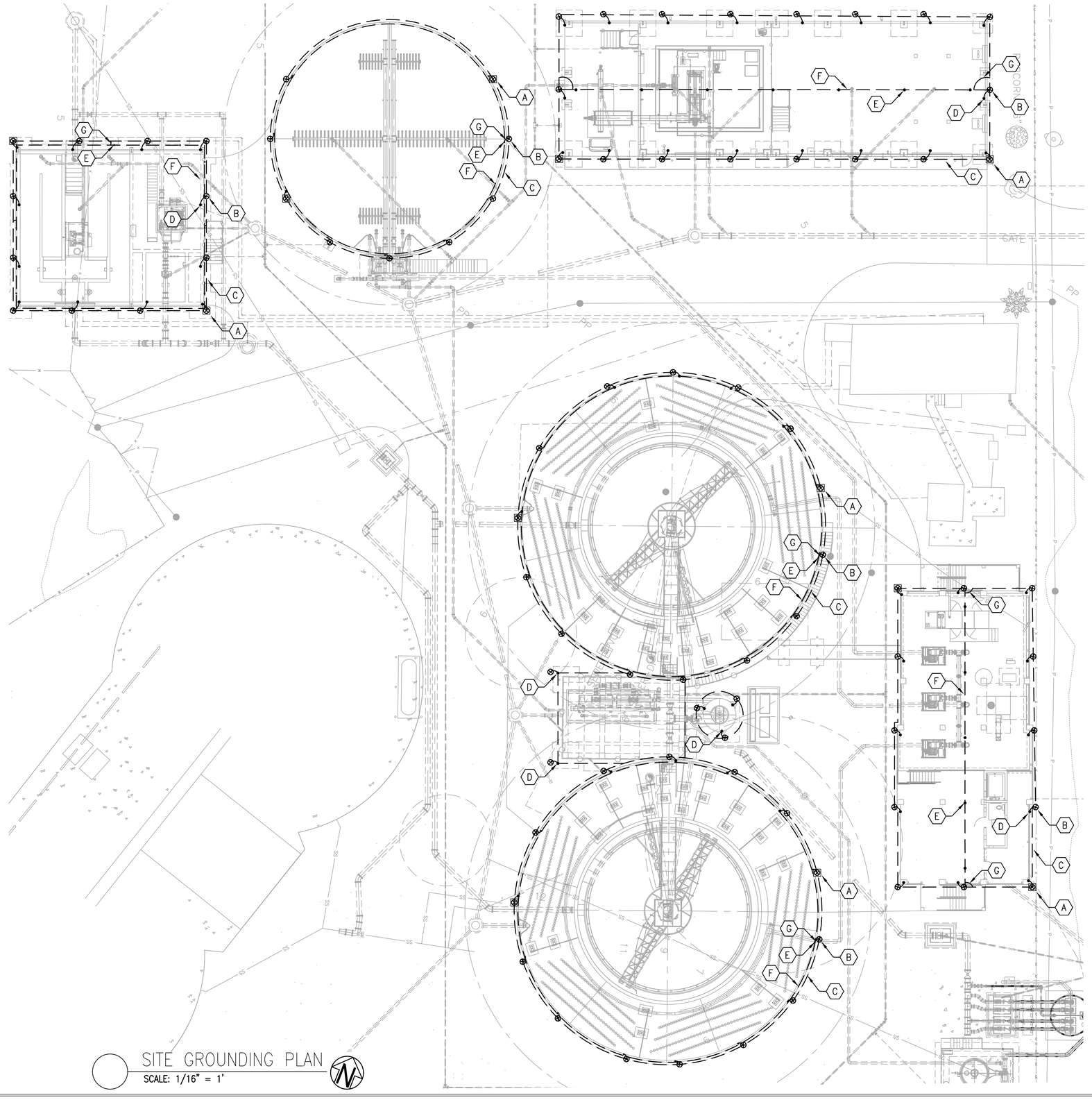
Jim Smith, P. E.
AL PE No. 25847

All Bidders shall acknowledge receipt and acceptance of the Addendum with the Bid Package. Proposals submitted without acknowledgement or without this Addendum will be considered informal.

Receipt acknowledged and conditions agreed to this _____ day of _____, 2024.

_____
Bidder

_____
By



SITE GROUNDING PLAN
SCALE: 1/16" = 1'

GENERAL NOTES:

1. PROVIDE LIGHTNING PROTECTION FOR ALL STRUCTURES ADDED OR MODIFIED AS PART OF THIS PROJECT.
2. REGARDLESS OF WHETHER EXPLICITLY SHOWN, BOND EACH MOTOR, CONTROLLER, CONTROL PANEL, DISCONNECT, AND OTHER EQUIPMENT TO THE NEAREST COMPONENT OF THE GROUND ELECTRODE SYSTEM.
3. BOND EACH METALLIC PIPE TO THE NEAREST COMPONENT OF THE GROUNDING SYSTEM IMMEDIATELY UPSTREAM AND DOWNSTREAM OF EACH MOTOR OR OTHER POWERED EQUIPMENT.
4. INSTALL GROUND RODS APPROXIMATELY 20' FROM EACH OTHER – NOT ALL GROUND RODS HAVE BEEN SHOWN.
5. LIGHTING PROTECTION SHALL BE PROVIDED FOR THE FACILITY IN ACCORDANCE WITH NFPA 780.
6. INSTALLATION SHALL COMPLY IN ALL RESPECTS TO L.P.I. CODE 175. INSTALLATION SHALL BE MADE BY OR UNDER THE SUPERVISION OF AN L.P.I. CERTIFIED MASTER INSTALLER. COMPLETED INSTALLATION TO RECEIVE SYSTEM CERTIFICATION INCLUDING SUBMITTAL OF FORMS L.P.I. 175–A AND 175–B.
7. ALL MATERIALS SHALL BE UNDERWRITERS LABORATORIES APPROVED WITH "A" LABEL ON EACH AIR TERMINAL AND "B" LABEL AT 10'–0" ALONG ALL MAIN CONDUCTORS. COMPLETED INSTALLATION AS SHOWN SHALL BEAR U.L. MASTER LABEL "C" AS PER U.L. CODE 96A.
8. INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRIC, TELEPHONE, AND OTHER BUILDING GROUND SYSTEMS AS SHOWN OR AS REQUIRED BY CODES.
9. ALL CABLE TO CABLE, CABLE TO LUG & CABLE TO GROUND ROD CONNECTIONS SHALL BE MADE WITH CADWELD.
10. FOR STRUCTURES 75' AND LESS IN HEIGHT, CLASS 1 MATERIALS SHALL BE UTILIZED FOR THE LIGHTNING PROTECTION SYSTEM. CLASS 1 MATERIALS SHALL CONSIST OF THE FOLLOWING:
    - 10.1. SOLID COPPER AIR TERMINALS SHALL BE 3/8" DIAMETER
    - 10.2. SOLID ALUMINUM AIR TERMINALS SHALL BE 1/2" DIAMETER
    - 10.3. TUBULAR COPPER AIR TERMINALS SHALL BE 5/8" DIAMETER WITH A WALL THICKNESS OF 0.033"
    - 10.3. TUBULAR ALUMINUM AIR TERMINALS SHALL BE 5/8" DIAMETER WITH A WALL THICKNESS OF 0.064"
    - 10.4. THE MAIN AND BONDING CONDUCTORS SHALL BE MINIMUM 17 AWG IF COPPER AND 14 AWG IF ALUMINUM.
11. MAIN CONDUCTORS SHALL INTERCONNECT ALL STRIKE TERMINATION DEVICES AND SHALL FOR TWO OR MORE PATHS FROM EACH STRIKE TERMINAL DOWNWARD, HORIZONTALLY, OR RISING AT NO MORE THAN 1/4 SLOPE TO CONNECTIONS WITH GROUNDING ELECTRODES.
12. ROOF CONDUCTORS SHALL RUN AROUND THE PERIMETER OF FLAT ROOFS AND STRUCTURES TO INTERCONNECT ALL STRIKE TERMINATION DEVICES.
13. DOWN CONDUCTORS SHALL BE AS WIDELY SEPARATED AS PRACTICABLE. AT LEAST TWO DOWN CONDUCTORS SHALL BE PROVIDED.
14. ALL CONDUCTORS – MAIN, ROOF, DOWN, ETC. – SHALL BE FASTENED TO THE STRUCTURE AT AN INTERVAL NOT EXCEEDING 3'.
15. EACH DOWN CONDUCTOR SHALL TERMINATE TO EITHER A DEDICATED LIGHTNING PROTECTION GROUNDING ELECTRODE OR TO THE BUILDING/STRUCTURE'S GROUNDING RING ELECTRODE. CONNECTION SHALL BE PERMANENT VIA BOLTING, BRAZING, WELDING, OR HIGH–COMPRESSION CONNECTORS LISTED FOR THE PURPOSE.
16. BONDING TO ANY CONCRETE ENCASED TANK STEEL (THE TWO PROCESS TANKS AND DIGESTER) IS NOT ALLOWED PER THE TANK MANUFACTURER. ALL LIGHTNING PROTECTION SHALL BE PROVIDED BY AIR TERMINALS ON TOP OF THE WALLS BONDED TO THE GROUNDING RING BELOW GRADE VIA DOWN CONDUCTORS ADHERED TO THE TANK WALLS IN PVC CONDUITS.

KEY NOTES:

- (A) GROUND TEST WELL (TYP.)
- (B) 3/4" X 10' COPPER CLAD STEEL GROUND ROD (TYP.) 20' MAXIMUM INTERVAL.
- (C) #2/0 BARE COPPER GROUND (TYP.)
- (D) BOND TO STRUCTURAL AND/OR REINFORCING STEEL (TYP.)
- (E) AIR TERMINAL (TYP.). SHALL BE SPACED NO MORE THAN 20' FROM ONE ANOTHER AND NO MORE THAN 2' FROM CORNERS.
- (F) LIGHTNING PROTECTION SYSTEM ROOF/WALL/AERIAL CONDUCTOR (TYP.). SHALL BE SECURED AT INTERVALS NOT EXCEEDING 3'.
- (G) LIGHTING PROTECTION SYSTEM DOWN CONDUCTOR (TYP.).

4 ENTIRE SHEET REVISED

RELEASE FOR BID

ENGINEER SEAL
ALABAMA
LICENSED
No. 34084-E
PROFESSIONAL
ENGINEER
DANIEL COLE STEVENSON

NO.	DATE	REVISION	BY
4	9/26	ADDENDUM 4	DCS

DESIGNED BY: AB
DRAWN BY: DS
CHECKED BY: AB
APPROVED BY: JS
APVD BY: DCS

SITE GROUNDING PLAN

ALOE BAY WATER QUALITY ENHANCEMENT
WASTEWATER TREATMENT FACILITY

Dauphin Island

ARDURRA
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200 CLINTON AVE. SUITE 601
HUNTSVILLE, ALABAMA 35801
(256)-203-9501

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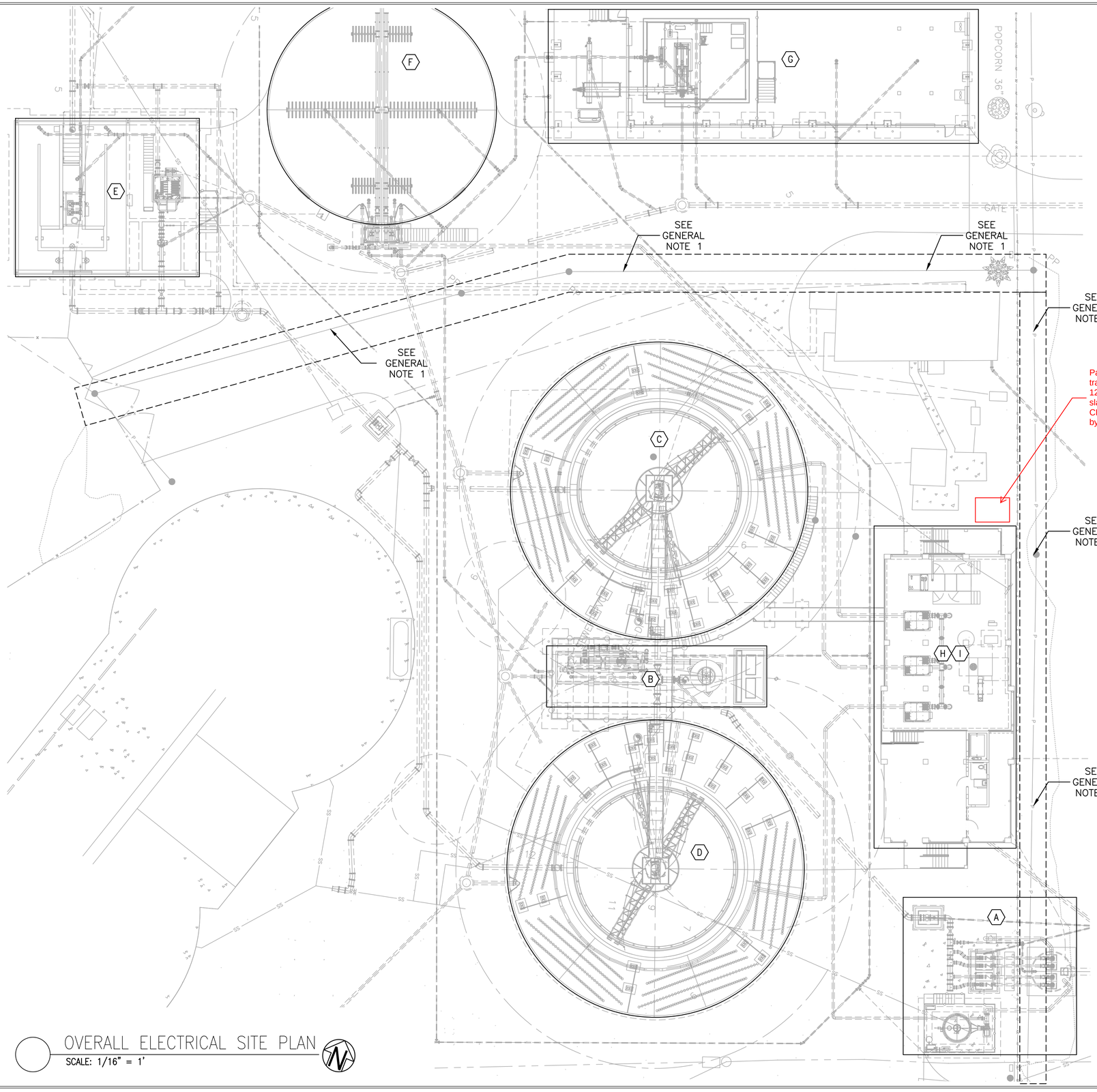
DATE	AUGUST 2024
PROJ.	100200.32
DWG.	E-0.84



OVERALL ELECTRICAL SITE PLAN
SCALE: 1/16" = 1'

GENERAL NOTES:

1. THE CONTRACTOR SHALL WORK WITH THE ELECTRICAL UTILITY COMPANY REGARDING THE RELOCATION OF THE EXISTING OVERHEAD ELECTRICAL LINE RUNNING THROUGH THE MIDDLE OF THE PROJECT SITE. THE DESIRED/PREFERRED PATH FOR THE RELOCATED LINE IS FOR IT TO CONTINUE NORTH ALONG THE EASTERN SIDE OF THE PROPERTY UNTIL THE NORTHERN PROPERTY LINE IS REACHED. THEN IT SHALL BE ROUTED TO THE WEST UNTIL IT REACHES THE EDGE OF THE PROPERTY AND CAN TURN SOUTH TO REACH THE EXISTING EQUIPMENT. FINAL REROUTING SHALL BE COORDINATED AND VERIFIED WITH THE UTILITY COMPANY, OWNER, AND ENGINEER. ANY COSTS ASSOCIATED WITH THE RELOCATION OF THE LINE IMPOSED BY THE UTILITY COMPANY SHALL BE COVERED BY THE CONTRACTOR.

2. THE CONTRACTOR SHALL WORK WITH THE ELECTRICAL UTILITY COMPANY REGARDING THE RELOCATION OF THE EXISTING OVERHEAD ELECTRICAL LINE ALONG THE EASTERN PORTION OF THE PROJECT SITE. THE NEW OPERATIONS BUILDING WILL BE TOO CLOSE TO THE EXISTING OVERHEAD LINE AND THEREFORE IT MUST BE RELOCATED TO THE EAST. FINAL REROUTING SHALL BE COORDINATED AND VERIFIED WITH THE UTILITY COMPANY, OWNER, AND ENGINEER. ANY COSTS ASSOCIATED WITH THE RELOCATION OF THE LINE IMPOSED BY THE UTILITY COMPANY SHALL BE COVERED BY THE CONTRACTOR.

KEY NOTES:

(A) INFLUENT PUMP STATION & ODOR CONTROL. SEE DRAWINGS E-1.0 & E-1.1 FOR ELECTRICAL DETAILS.

(B) HEADWORKS. SEE DRAWINGS E-2.0 FOR ELECTRICAL DETAILS.

(C) NORTH PROCESS BASIN. SEE DRAWING E-3.0 FOR ELECTRICAL DETAILS.

(D) SOUTH PROCESS BASIN. SEE DRAWING E-3.1 FOR ELECTRICAL DETAILS.

(E) FILTER, UV, & CHLORINE CONTACT BASIN. SEE DRAWING E-4.0 FOR ELECTRICAL DETAILS.

(F) DIGESTER. SEE DRAWING E-5.0 FOR ELECTRICAL DETAILS.

(G) DEWATERING. SEE DRAWINGS E-6.0 & E-6.1 FOR ELECTRICAL DETAILS.

(H) BLOWERS. SEE DRAWINGS E-7.0 & E-7.1 FOR ELECTRICAL DETAILS.

(I) OPERATIONS BUILDING. SEE DRAWINGS E-8.0 - E-8.3 FOR ELECTRICAL DETAILS.

RELEASE FOR BID

ENGINEER SEAL
ALABAMA LICENSED No. 34384-E PROFESSIONAL ENGINEER DANIEL COLE STEVENS 8/13/24

NO.	DATE	REVISION	BY
DESIGNED BY: AB	DRAWN BY: DS	CHECKED BY: AB	APPROVED BY: JS

ELECTRICAL SITE PLAN OVERVIEW

ALOE BAY WATER QUALITY ENHANCEMENT
WASTEWATER TREATMENT FACILITY

Dauphin Island

ARDURRA
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200 CLINTON AVE. SUITE 601
HUNTSVILLE, ALABAMA 35801
(256)-203-9501

FILE	SEE LEFT
	VERIFY SCALE
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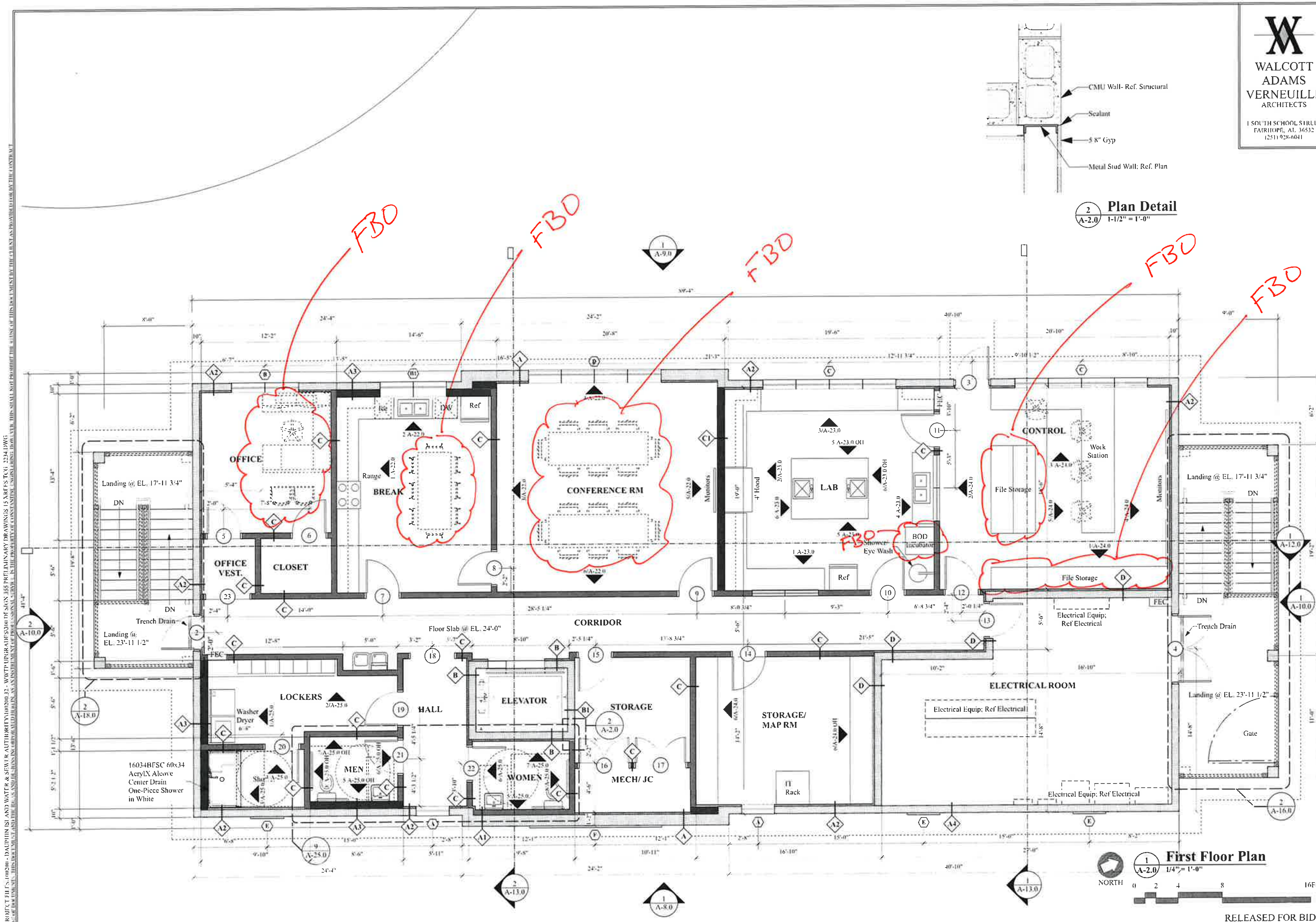
DATE	AUGUST 2024
PROJ.	100200.32
DWG.	E-0.80



WALCOTT ADAMS VERNEUILLE ARCHITECTS

1 SOUTH SCHOOL STREET
FAIRHOPE, AL 36532
(251) 928-6041

08/02/2024

FIRST FLOOR PLAN

ALOE BAY WATER QUALITY ENHANCEMENT WASTEWATER TREATMENT FACILITY

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COLLABORATE. INNOVATE. CREATE.

FILE: SEE LEFT

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

DATE: AUGUST 2024
PROJ: 100200.32
DWG: A-2.0

RELEASED FOR BID

GENERAL NOTES:

1. ALL CONDUITS AND CONDUCTORS REQUIRED FOR FUTURE LOADS SHALL BE INSTALLED AND PULLED AS PART OF THE INITIAL PROJECT.
2. CONDUITS AND CONDUCTORS CAN BE COMBINED IN ACCORDANCE WITH NEC FILL REQUIREMENTS. POWER (AC) AND CONTROL SIGNAL CONDUCTORS SHALL BE ROUTED SEPARATE CONDUITS. DIGITAL AND ANALOG CONTROL SIGNAL CONDUCTORS SHALL BE ROUTED IN SEPARATE CONDUITS.
3. SEE ELECTRICAL DRAWINGS E-0.70 – E-0.72 FOR PANEL SCHEDULES AND E-0.73 FOR CONDUIT & CONDUCTOR AND MISCELLANEOUS SCHEDULES.

KEY NOTES:

(A) MAIN CIRCUIT BREAKER (MCB). SHALL BE A 480V, 3 POLE, 1600A FULLY RATED BREAKER IN A UL TYPE 4 CIRCUIT BREAKER DISCONNECT ENCLOSURE WITH GROUND AND NEUTRAL KITS. SHALL BE SE RATED.

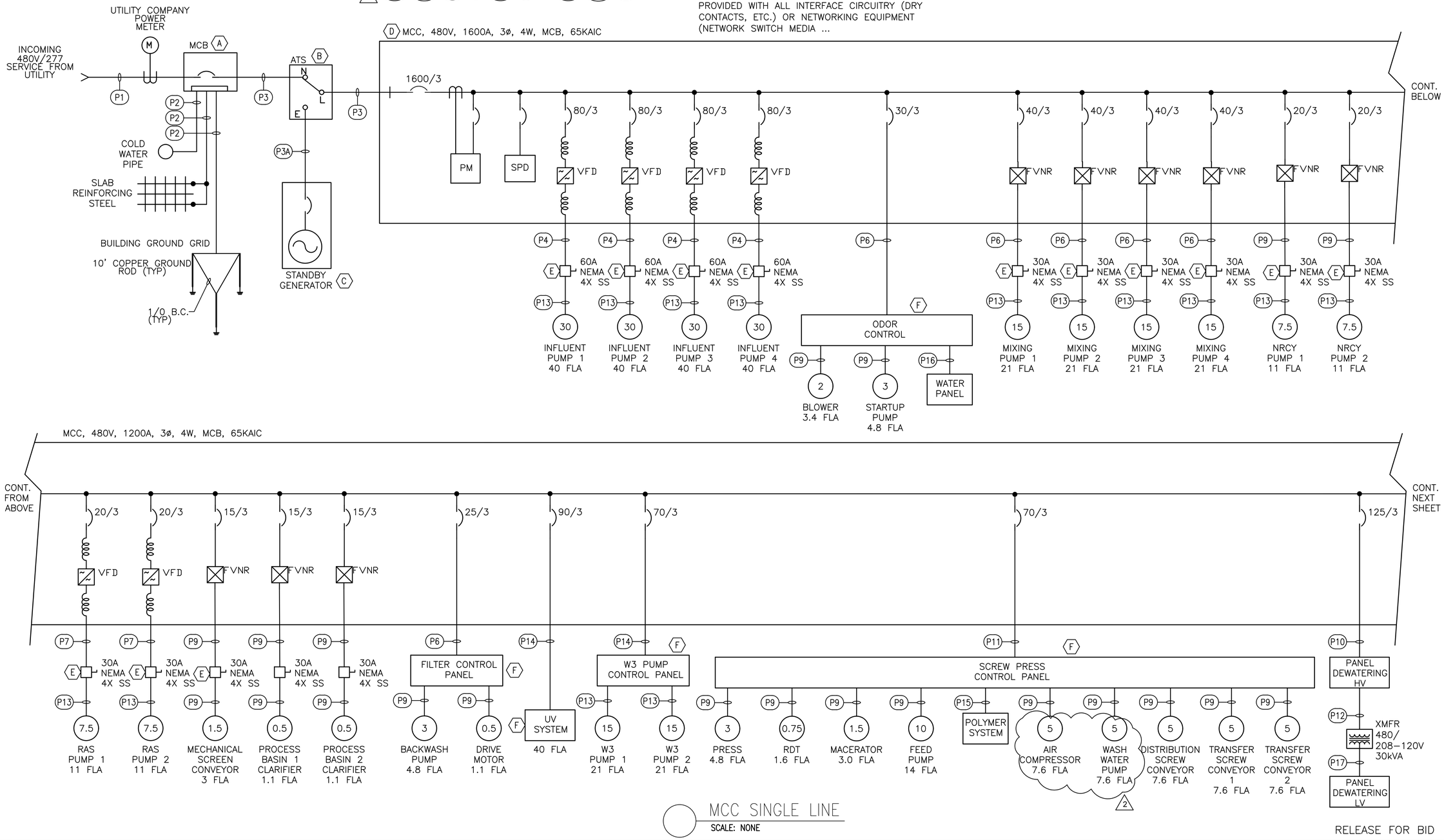
(B) AUTOMATIC TRANSFER SWITCH (ATS). SHALL BE A 480V, 3 POLE 1600A SWITCH IN A UL TYPE 4 ENCLOSURE.

(C) STANDBY GENERATOR. SHALL BE A 480V, 3ø, 500KW GENERATOR WITH MAIN CIRCUIT BREAKER, SOUND ATTENUATED ENCLOSURE, AND 1,500 GALLON SUB BASE FUEL TANK. (4)

(D) MOTOR CONTROL CENTER (MCC). SHALL BE A 480V, 3ø, 4W, 1600A, MAIN CIRCUIT BREAKER (FULLY RATED), 65KAIC, UL TYPE 4 MCC.

(E) DISCONNECT WITH A 30MM 3 POSITION SELECTOR SWITCH (HOA) FOR LOCAL CONTROL AND A 30MM GREEN PILOT LIGHT FOR RUNNING INDICATION.

(F) PACKAGED CONTROL PANEL. SHALL BE PROVIDED BY THE EQUIPMENT MANUFACTURER. THE PANEL SHALL CONTAIN ALL MOTOR STARTERS AND CONTROLS NECESSARY FOR THE ASSOCIATED EQUIPMENT. THE PANEL SHALL BE PROVIDED WITH ALL INTERFACE CIRCUITRY (DRY CONTACTS, ETC.) OR NETWORKING EQUIPMENT (NETWORK SWITCH MEDIA ... CONVERTER, ETC.) TO FACILITATE INTERCONNECTION WITH THE PLANT'S SCADA SYSTEM. THE CONTROL PANEL SHALL BE CONSTRUCTED TO UL 508A AND UL 698A STANDARDS (IF APPLICABLE) AND THE COMPLETED ASSEMBLY SHALL BE UL TYPE 4X IF OUTDOORS OR IN CORROSIVE ENVIRONMENTS; UL TYPE 12 IF LOCATED IN NON-CORROSIVE INDOOR LOCATIONS.



MCC SINGLE LINE
SCALE: NONE

RELEASE FOR BID

ENGINEER SEAL
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 34084-E DANIEL COLE STEVENSON 9/26/24

NO.	DATE	REVISION	CHECKED BY:	APVD BY:
4	9/26	ADDENDUM 4	DCS	DCS
2	9/05	ADDENDUM 2	DCS	DCS
DESIGNED BY: AB		DRAWN BY: DS	BY AB	APPROVED BY: JS

ELECTRICAL SINGLELINE

ALOE BAY WATER QUALITY ENHANCEMENT
WASTEWATER TREATMENT FACILITY

Dauphin Island

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HUNTSVILLE, ALABAMA 35801
(256)-203-9501

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DATE	AUGUST 2024
PROJ.	100200.32
DWG.	E-0.50

Added A-2.1- Reflected Ceiling Plan - Ground Floor for Clarification

WALCOTT ADAMS VERNEUILLE ARCHITECTS

1 SOUTH SCHOOL STREET
FAIRHOPE, AL 36532
(251) 928-6041

09/26/2024

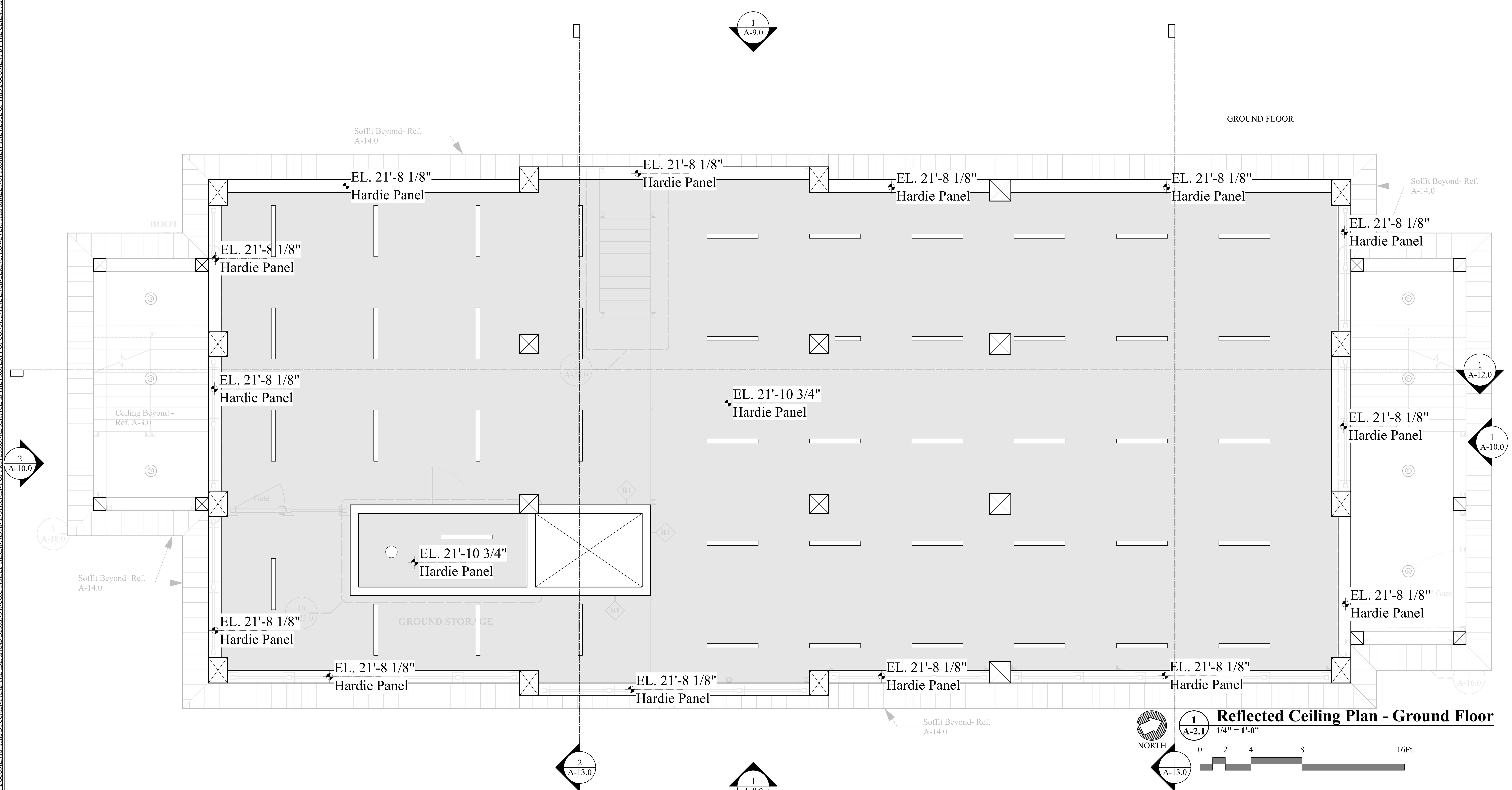
NO.	DATE	REVISION	BY	APVD.
02	9/26/24	Clarification During Bidding		

DESIGNED BY: DRAWN BY: CHECKED BY: APPROVED BY:

GROUND FLOOR

REFLECTED CEILING PLAN GROUND FLOOR

ALOE BAY WATER QUALITY ENHANCEMENT WASTEWATER TREATMENT FACILITY



Reflected Ceiling Plan - Ground Floor
1 A-2.1
1/4" = 1'-0"

0 2 4 8 16Ft

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HUNTSVILLE, ALABAMA 35801
(256)-203-9501

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DATE	AUGUST 2024
PROJ.	100200.32
DWG.	A-2.1

RELEASED FOR BID

Door General Notes:

02 Changed Door Panels to Glass for Impact Rating Certification

1) GENERAL:
A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.

B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE GLAZING SCHEDULE FOR CONFIGURATION.)

2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:

HM	HOLLOW METAL
ST	STEEL
ST/S	STEEL / STAINLESS OR STAINLESS CLAD
AL	ALUMINUM
GL	GLAZING/GLASS
FRP	FIBERGLASS

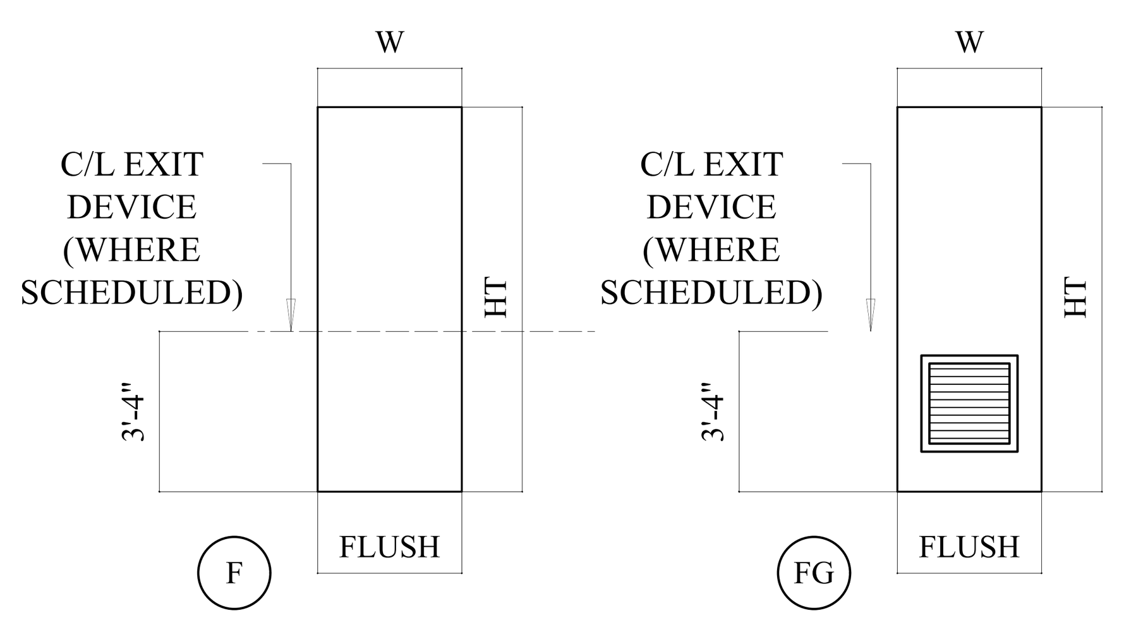
3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS "GLAZING"):

G1	7.5mm CLEAR, TEMPERED
G2	HURRICANE IMPACT RESISTANT ,171 MPH, LOW-E SOLARBAN 60, GRAY TINTED, LAMINATED, LARGE MISSLE TESTED

4) DOOR HARDWARE:
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 087100 "DOOR HARDWARE".

Door Comments Legend:

1. EGRESS DOOR - PROVIDE ACCESSIBLE EGRESS HARDWARE AS REQUIRED BY CODE
2. COORDINATE LOCKING REQUIREMENTS WITH OWNER



Door Schedule

DOOR NUMBER	ROOM NAME	DOOR SIZE: PAIR	DOOR SIZE: W	DOOR SIZE: H	DOOR SIZE: THK	DOOR / OPENING: DOOR TYPE	DOOR / OPENING: MAT'L	DOOR / OPENING: GLASS OR LOUVER TYPE	FRAME DESCRIPTION: FRAME TYPE	FRAME DESCRIPTION: MAT'L	FRAME DESCRIPTION: GLASS TYPE	EXTERIOR HURRICANE IMPACT RESISTANT	FIRE RATING	DOOR HARDWARE: HARDWARE SET NUMBER	HEAD	JAMB	SILL	NUMBERED NOTES
1	Restroom		3'-0"	8'-0"	1 3/4"	F3	FRP	-	F3	AL		Y	-	1	4/A-6.0	5/A-6.0	-	
2	South Entry Door		3'-0"	8'-0"	1 3/4"	F4	FRP/GL	G2	F4	AL		Y	-	2	4/A-6.0	5/A-6.0	6/A-6.0	
3	West Entry Door		3'-0"	8'-0"	1 3/4"	F4	FRP/GL	G2	F4	AL		Y	-	2	4/A-6.0	5/A-6.0	6/A-6.0	
4	North Entry Door	Y	3'-0"	8'-0"	1 3/4"	F5	FRP/GL	-	F5	AL		Y	-	2	4/A-6.0	5/A-6.0	6/A-6.0	
5	Office		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	3	4/A-7.0	5/A-7.0	6/A-7.0	
6	Closet		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	4	4/A-7.0	5/A-7.0	6/A-7.0	REF. Mechanical for Door Grill Requirements
7	Break		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
8	Break		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
9	Conference		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
10	Lab		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
11	Lab		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
12	Control		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
13	Electrical Room		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	7/A-7.0	8/A-7.0	6/A-7.0	
14	Storage/Map Room		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
15	Storage		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	3	4/A-7.0	5/A-7.0	6/A-7.0	
16	Mechanical/JC	Y	3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	4	4/A-7.0	5/A-7.0	6/A-7.0	
17	Mechanical/JC	Y	3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	4	4/A-7.0	5/A-7.0	6/A-7.0	
18	Hall		3'-0"	8'-0"	1 3/4"	-	-	-				N	-	-	4/A-7.0	5/A-7.0	6/A-7.0	
19	Lockers		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	5	4/A-7.0	5/A-7.0	6/A-7.0	
20	Shower		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	1	4/A-7.0	5/A-7.0	6/A-7.0	
21	Men RR		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	1	4/A-7.0	5/A-7.0	6/A-7.0	
22	Women RR		3'-0"	8'-0"	1 3/4"	F	HM	-	F1	HM		N	-	1	4/A-7.0	5/A-7.0	6/A-7.0	
23	Office Vestibule		4'-0"	8'-0"	-	-	-	-				N	-	-	4/A-7.0	5/A-7.0	6/A-7.0	

Door Hardware Sets:

GROUP #1 ***(Doors 1, 20, 21, 22)***
-3 Hinges
-Sargent 7 Line Lever Lock; Privacy/Bathroom Function 65
-Closer with Overhead Stop at 90°
-Soft Close
-Mop Plate
-Kick Down, Hold Open Device

GROUP #2 ***(Doors 2, 3, 4)***
-3 Hinges
-Sargent 8500 Series; Night Latch Function 04
-Standard ET Lever Trim
-Closer with Overhead Stop at 90°
-Soft Close
-Kick Plate
-Kick Down, Hold Open Device

GROUP #3 ***(Doors 5, 15)***
-3 Hinges
-Sargent 7 Line Lever Lock; Entrance/Office Function 05
-Closer with Overhead Stop at 90°
-Soft Close
-Kick Plate
-Kick Down, Hold Open Device

GROUP #4 ***(Doors 6, 16, 17)***
-3 Hinges
-Sargent 7 Line Lever Lock; Storeroom/Closet Function 04
-Closer with Overhead Stop at 90°
-Soft Close
-Kick Plate
-Kick Down, Hold Open Device

GROUP #5 ***(Doors 7, 8, 9, 10, 11, 12, 13, 14, 19)***
-3 Hinges
-Sargent 7 Line Lever Lock; PAssage Function 15
-Closer with Overhead Stop at 90°
-Soft Close
-Kick Plate
-Kick Down, Hold Open Device

WALCOTT ADAMS VERNEUILLE ARCHITECTS
1 SOUTH SCHOOL STREET
FAIRHOPE, AL 36532
(251) 928-6041

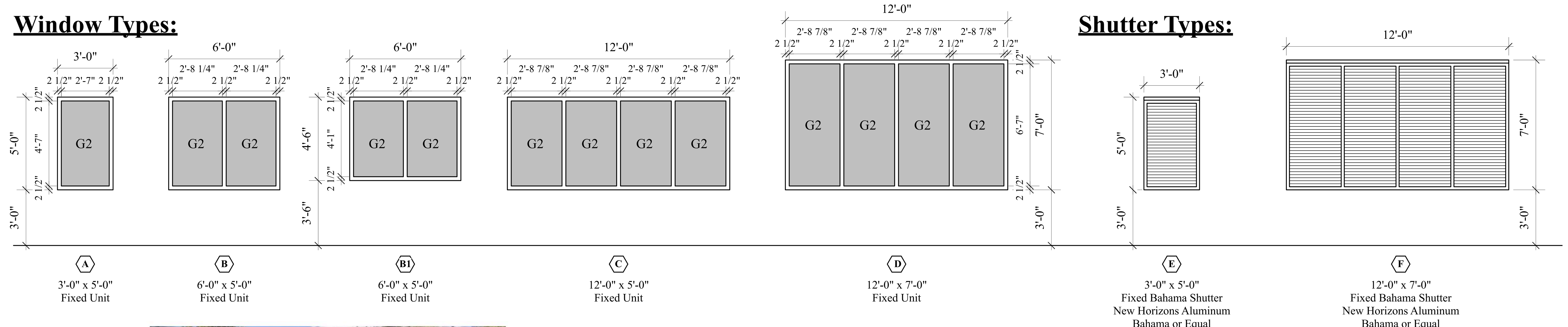
09/26/2024

NO.	DATE	REVISION	BY	APVD
02	9/26/24	Clarification During Bidding		

DESIGNED BY: DRAWN BY: CHECKED BY: APPROVED BY:

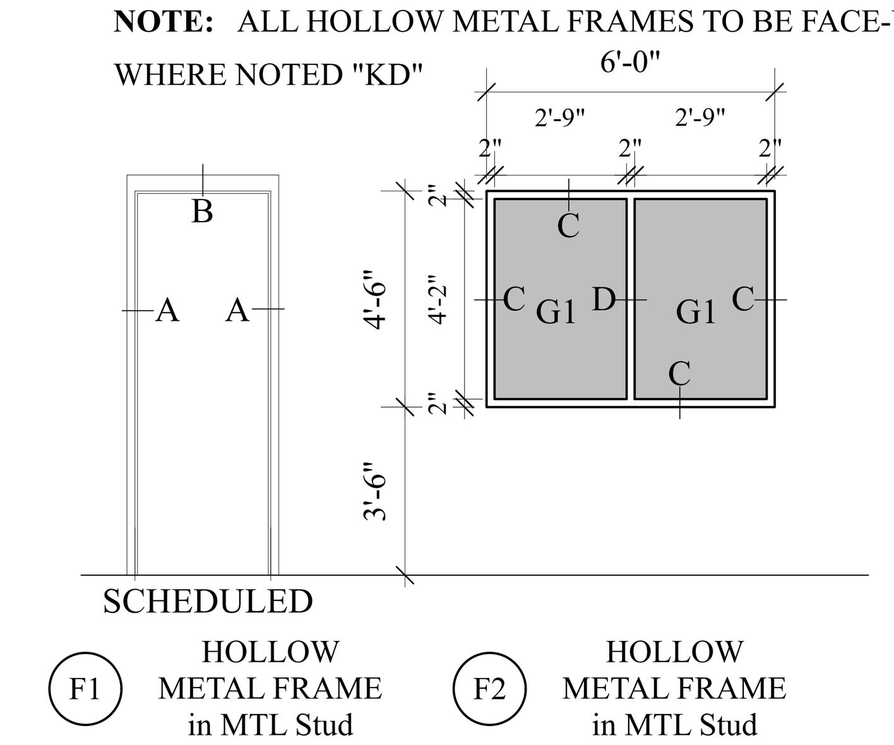
Window Types:

Shutter Types:



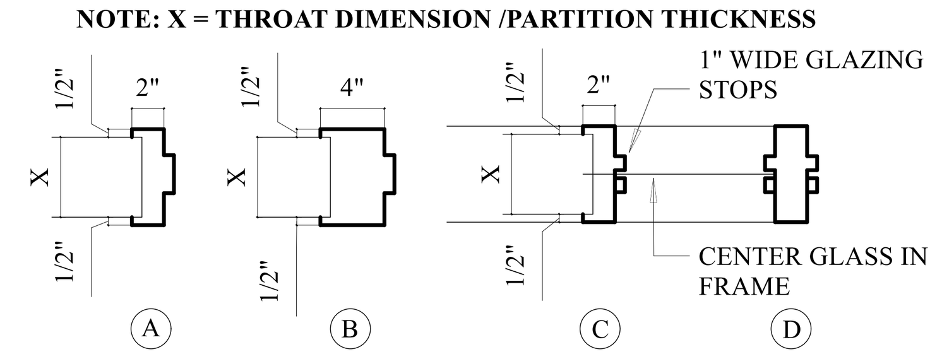
Frame Types Hollow Metal:

NOTE: ALL HOLLOW METAL FRAMES TO BE FACE-WELDED EXCEPT WHERE NOTED "KD"



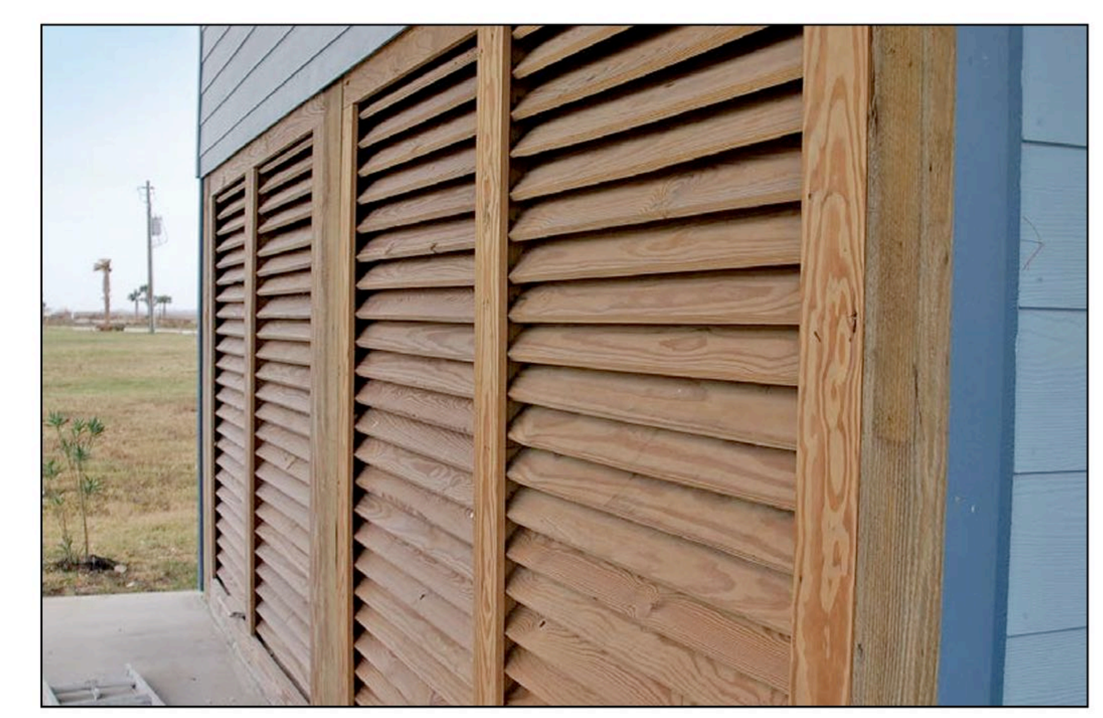
FRAME PROFILES

NOTE: X = THROAT DIMENSION /PARTITION THICKNESS

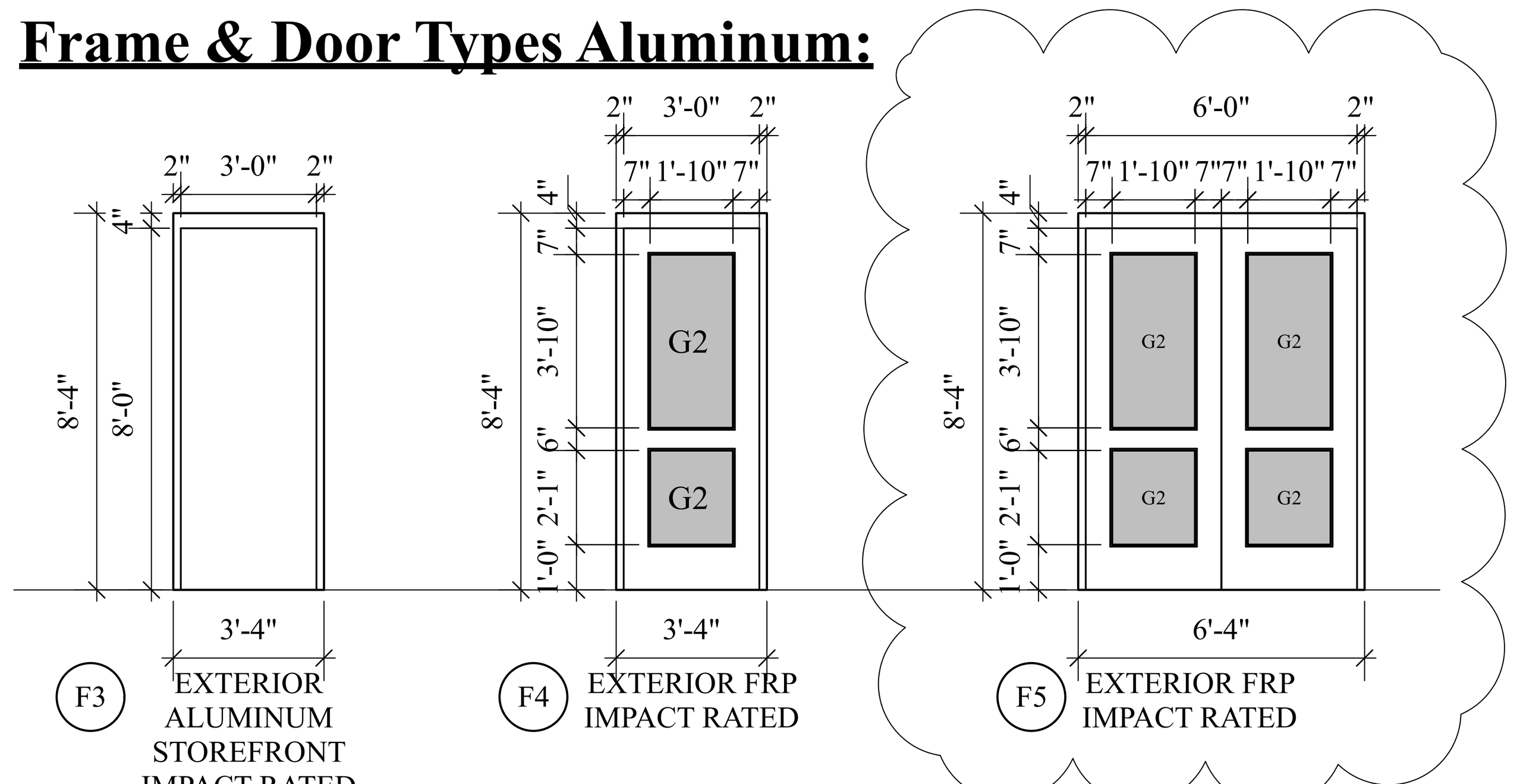


Basis of Design: ***LOUVERED WALL SYSTEM***
PALMShield Atlas Industrial Horizontal Louvers; Provide and Install system Per Manufacturer Instruction

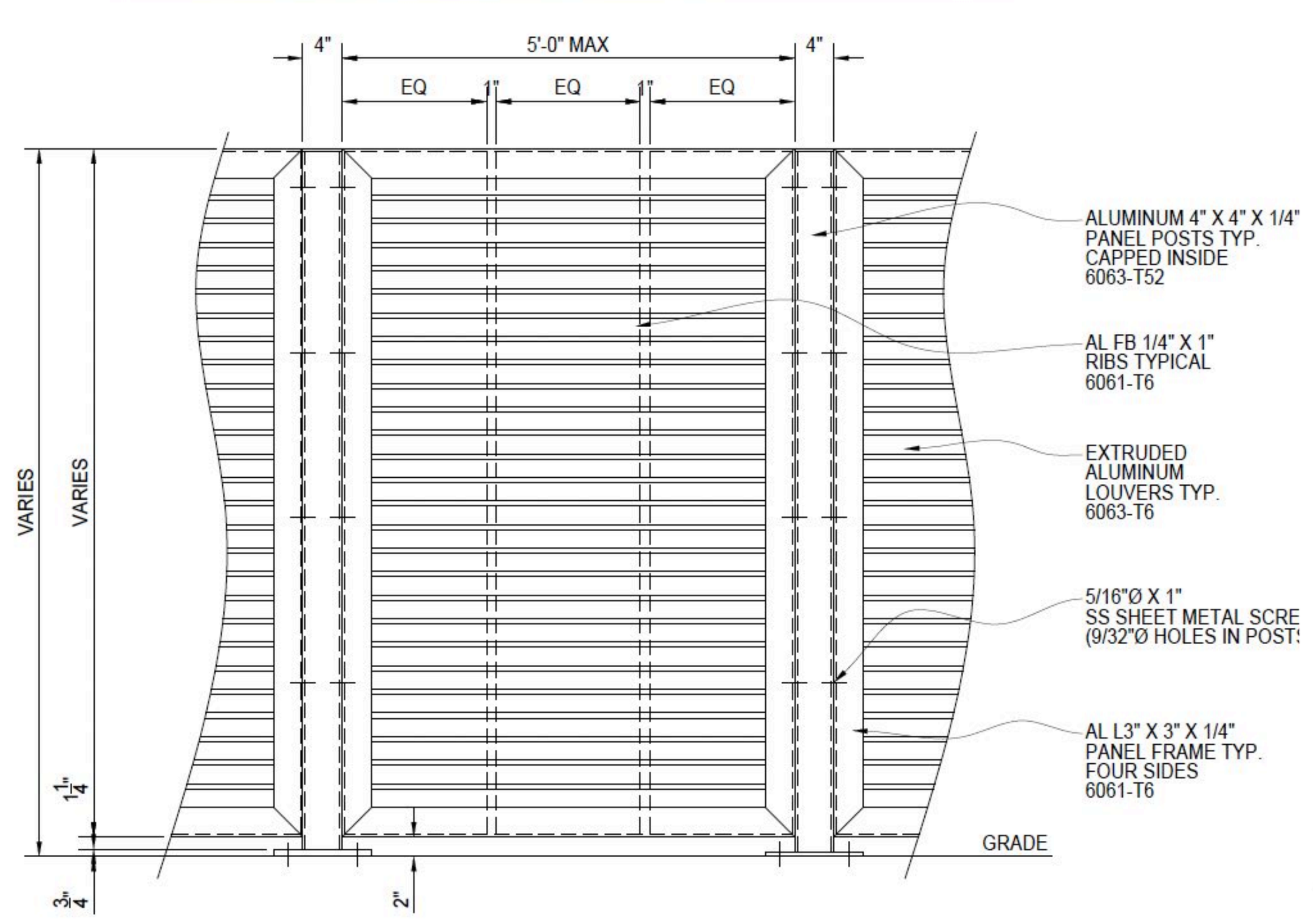
Figure 5: Compliant, fixed, wood louvers installed between pilings



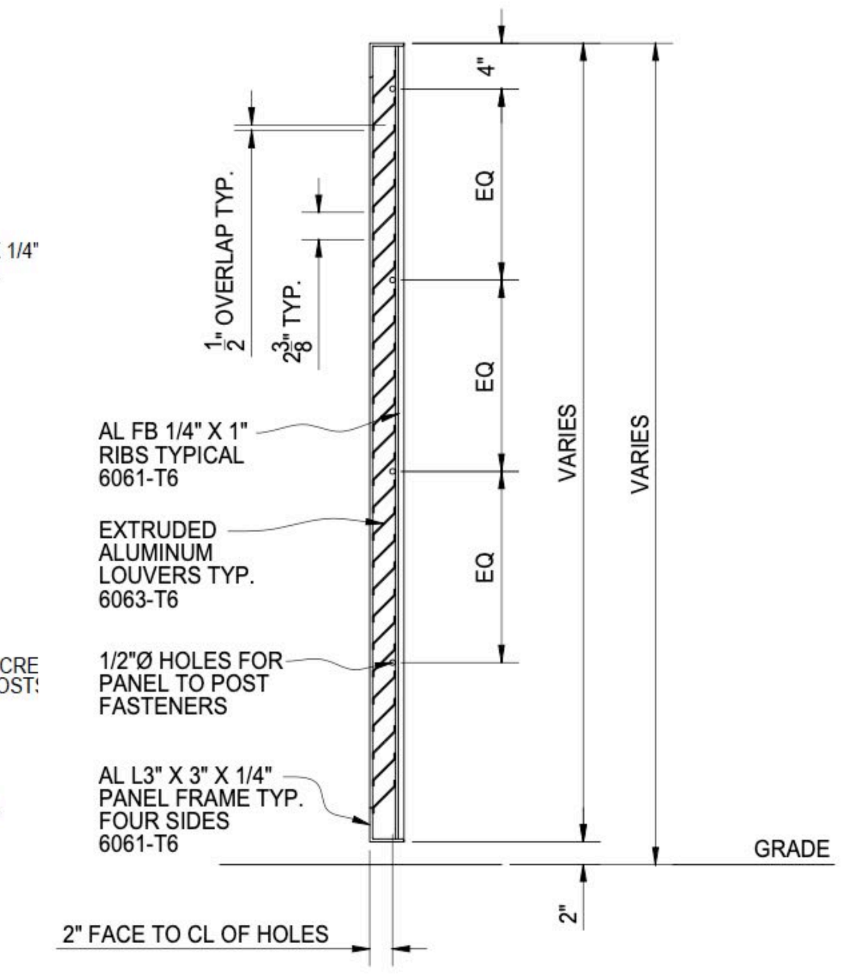
Frame & Door Types Aluminum:



02 Changed Door Panels to Glass for Impact Rating Certification



ELEVATION VIEW



TYPICAL PANEL SECTION

1 / A-5.0 **Typ. Screen Detail**
NTS

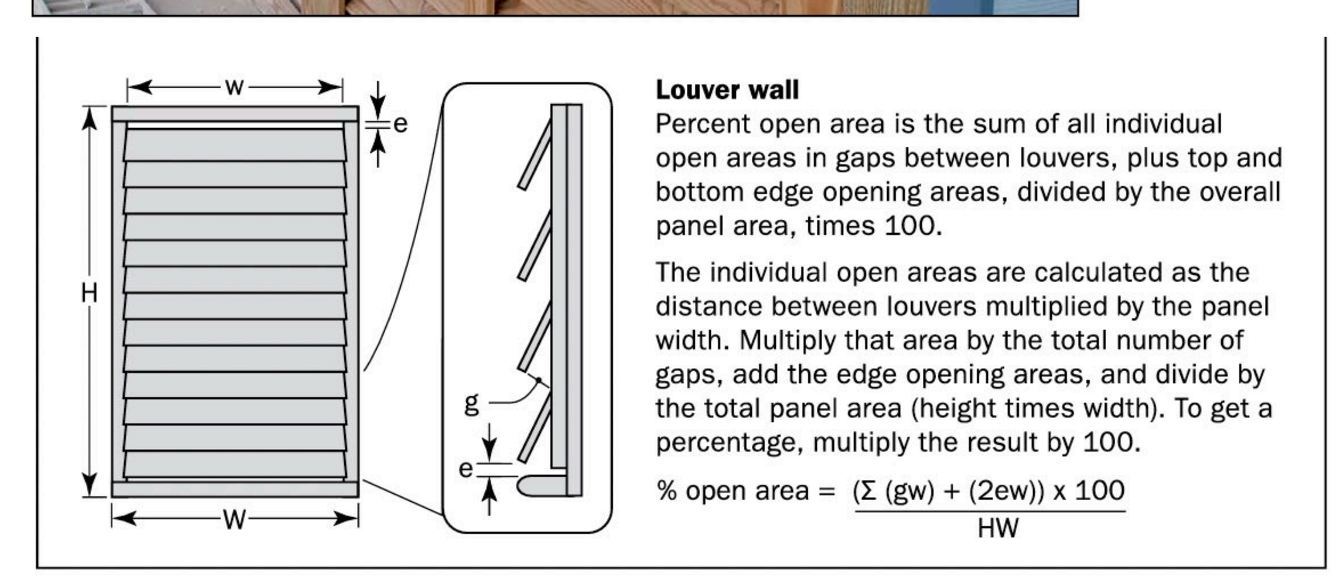


Figure 6: Determination of the percentage of open area for a lattice or louver wall

- Wood or plastic slats or fixed louvers no thicker than 1 inch that, when installed, have at least 40 percent of their area open

NFIP TECHNICAL BULLETIN 5 MARCH 2020 21

2 / A-5.0 **Typ. Screen Detail**
1/2" = 1'-0"

RELEASED FOR BID

SCHEDULES

ALOE BAY WATER QUALITY ENHANCEMENT WASTEWATER TREATMENT FACILITY

Dauphin Island

ARDURRA
COLLABORATE. INNOVATE. CREATE.
200 CLINTON AVE., SUITE 601
HUNTSVILLE, ALABAMA 35801
(256)-203-9501

FILE	SEE LEFT
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	0 — 1"
DATE	AUGUST 2024
PROJ.	100200.32
DWG.	A-5.0

BID SCHEDULE – Addendum 4

NOTE: BIDS shall include sales tax, if applicable and all other applicable taxes and fees.

BASE BID

ITEM NO.	QUANTITY AND UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1.	1 LS	Mobilization/Bonds (<5%)	$_____	$_____
2.	1 LS	Wastewater Treatment Facility complete including but not limited to influent pump station, odor control, north & south process basins, aeration system, pumping systems, headworks, operations building, chlorine contact basin, UV system, tertiary filter, drying bed, digester basin, civil site work, yard piping, electrical systems, plumbing & HVAC systems, temporary systems, landscaping and decommission & demolition of existing structures	$_____	$_____
3.	1 LS	I&C Integration and Programming Allowance by the Owners System Integrator	$ 270,000	$_____
4.	1 LS	Office and laboratory furnishings allowance	$ 100,000	$_____
5.	1 LS	Power relocation allowance	$ 100,000	$_____
6.	470 CY	Additional Subgrade Cut and Fill	$_____	$_____

TOTAL BASE BID $_____

Written: _____ DOLLARS

and _____ CENTS