



Florida Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

NOTICE TO APPLICANTS ADDENDUM NO. Four (4)

Florida Gulf Coast Marine Fisheries Hatchery and Enhancement Center DEP Bid NO. BDC13-17/18

TO BIDDERS AND PLAN HOLDERS ON THE ABOVE REFERENCED PROJECT: PLEASE NOTE
CONTENTS HEREIN AND INCLUDE WITH YOUR BID SUBMISSION.

NOTICE

It will be required that this addendum be signed in acknowledgment of receipt and that it be included with your Bid when same is submitted to Mae Roth, Government Operations Consultant II, Bureau of Design and Construction, 3800 Commonwealth Blvd. MS520, Tallahassee, Florida 32399-3000. Failure to do so may be grounds for rejection of the Bid.

Signature of Contractor and Date

The Following statements supersede & supplement the corresponding items in the specifications & drawings:

NOTE: Due to size restrictions on the Vendor Bid System these documents will be available through the FTP site provided to firms upon request for a Project Manual with the plans for this project.

Please use the UPDATED-COMBINED RFC SPECS.1 in lieu of the previous version of the UPDATED-COMBINED RFC SPECS.

The Department will only accept bids submitted using the Bid Forms found in Section A of "Instructions to Bidders".

The attached documents are hereby incorporated into the bid documents:

- Attachment 1 Attachment 1: I-600 FINISH SCHEDULE & COLOR LEGEND
- Attachment 2: FUME HOOD COMBINED
- C-921- Revisions to drawings

- C-922- Additional Detail
- UPDATED COMBINED RFC SPECS.1
- Specification Section 061800, GLUED-LAMINATED CONSTRUCTION

1. RFI: I would like to propose the following products by Accella Polyurethane Systems, Foamsulate 50, QuadFoam 500, (AND/ALSO) Bayseal OC open-cell spray polyurethane foam insulations.

Response: Thermal Cavity Wall Insulation: Open cell spray applied expanding foam insulation Bayseal OC, Foamsulate 50 is acceptable as an equal for the specified product. The second item, QuadFoam 500, Open cell spray polyurethane foam insulation is NOT acceptable as an equal to the specified product.

2. RFI: Request to have Englert as approved manufacturer.

Response: Englert 2500 standing seam metal roof Panel is NOT acceptable as an equal to the specified product. The Englert roof panels are job site roll formed. The specifications preclude job site roll forming.

3. RFI: There is no spec for the tread/riser combos by Stepstone. Please specify what kind of finish is wanted on the concrete.

Response: The finish should be a medium sand blast.

4. RFI: There are multiple letters missing from multiple words throughout plan sheet I600. Please resend a clean copy of this page.

Response: Please see Attachment 1.

5. RFI: What are the requirements for the fume hood on this project regarding the type of hood, if any services are needed (air, gas, vac, etc.) electrical requirements, alarm, etc.?

Response: Please see Attachment 2.

6. RFI: Request to approve The PRO-Series Fume Hood

Response: The PRO-Series Fume Hood is NOT accepted as an equal to the specified product.

7. RFI: The required specifications called “Updated Combined RFC Specifications – DEP Project No. 2016018C” shows a different project # than the “Instructions to Bidders – DEP Bid No. BDC13-17/18” issued. Can you clarify the correct project #?

Response: The DEP Project NO. N0503, is the project number to be used for Bid Submissions.

8. RFI: Two sections mentioned above provide two different Bid Forms. Can you clarify which Bid Form should be submitted at the Bid Opening.

Response: The Department will only accept bids submitted using the Bid Forms found in Section A of “Instructions to Bidders”.

9. RFI: The Instructions to Bidders states \$1,000/day and the Bid Form utilized in the Updated Combined RFC Specifications mention \$500/Day & \$1,000/Day. Please clarify the amount of LD's that will be charged.

Response: If the Contractor fails to complete the Work within the number of days agreed to accomplish Substantial Completion, in addition to such other damages as may be shown to arise for causes other than delay, if any, the Contractor shall pay liquidated damages to the Department in the amount of \$1,000.00 for each calendar day beyond those specified in Article 6.03, not to exceed twenty percent of the Contract Price, until the Work has reached Substantial Completion and accepted by the Department. If the Contractor fails to complete the Work within the number of days agreed to accomplish Final Completion, in addition to such other damages as may be shown to arise for causes other than delay, if any, the Contractor shall pay liquidated damages to the Department in the amount of \$500.00 for each calendar day beyond those specified in Article 6.03, not to exceed twenty percent of the Contract Price, until the Work has reached Final Completion and accepted by the Department.

10. RFI: I would appreciate your examination of the product information and willingness to change your base specification from VIPER® VAPORCHECK® to the respective VIPER® VAPORCHECK® II product.

Response: Section 033001 Cast in Place Concrete – Building Section 2.7 Vapor Retarders, Viper-Vapor Check II is approved as an equal to the specified products.

11. RFI: Articles 18.04 & 19.01, in the project Instructions to Bidders, states that the Contractor must designate a person that is to be in charge of safety management, etc. Can the project Superintendent also be the designated Safety Manager, or must the Superintendent and the Safety Managers be two separate people?

Response: The job site Superintendent may serve in this role.

12. RFI: We are submitting our PRECON® Pre-Applied/Underslab Waterproofing Membrane for your consideration.

Response: PRECON Pre-applied Underslab Water Proofing Membrane is an acceptable addition to the listed Manufacturers in Spec Section 033001 2.7 Vapor Retarders

13. RFI: Spec section 13 0010, page 4, paragraph 1.7-B calls for 7 years documented experience for the installer. This requirement precludes any local plumbing contractors from bidding on this scope of work. Please provide a list of subcontractors who can meet this specification from the Aquaculture consultants.

Response:

1.7.B and replace with the following:

"Installer Qualification: See spec section 13 0100 - Aquaculture Pipe, Valves and Fittings, paragraph 1.5.B for Plumbing installer requirements. See other AQ Division 13 specs for other installer qualifications requirements."

(UPDATED COMBINED RFC SPECS.1) SECTION 13 0400, AQUACULTURAL SPECIAL SYSTEMS

Section 2.1 B: Aquaculture Delegated-Design-Supply Specialist (DDSS): Subject to compliance with requirements, provide integrated systems by one of the specialists listed:

Aquaculture Systems Technologies
108 Industrial Ave
New Orleans, LA 70121
(504) 837-5575

Integrated Aqua Systems
2867 Progress Pl # E,
Escondido, CA 92029
(760) 745-2201

Oceans Design
PO Box 8057
Colorado Springs, CO 80933
858-602-9465

Pentair AES
2395 Apopka Blvd,
Apopka, FL 32703
(407) 886-3939

Water Management Technologies
17445 Opportunity Ave,
Baton Rouge, LA 70817
(225) 755-0026

Automated Larval Feed Delivery System – see Section 2.7.B

Ozone Water Treatment System – see Section 2.8.A

14. RFI: Please clarify where the detail of the guardrail on plan sheet C-912 is on the site plan.

Response: The Guiderail shown on Sheet C -912 is intended for the Modified FDOT Closed Flume Inlet on Clubbs Street located in the sidewalk approximate STA 11+00 on Sheet C-107.

15. RFI: (1) Static Pressures: M001 General notes 13 (LPSA), 14 (Return Air), 15 (Outside Air) & 16 (Exhaust Air)

All above call for duct to be 1" static pressure.

Spec. Section 23 30 00 - 2.2.2 calls for duct downstream of VAV's, Split systems supply and all Return & exhaust duct to be 2" w.g. static pressure. Please clarify which is correct.

(2) Duct Fabrication M001 – General note 22 – All exposed LPSA to be dbl. wall duct (with 2" insulation).

General note 16 states exhaust duct to be low pressure un-insulated duct.

M101 – General note 2 states for all exposed duct in hatchery areas to be stainless steel except the fabric duct.

(a) Is all exposed duct in hatchery area to be stainless?

(b) Is the exposed LPSA in Hatchery area to be double wall stainless with 2" insulation?

(c) Is the exposed exhaust duct in Hatchery area to be single or double wall? Is it to be stainless?

Response: Please see Attachment 2

16. RFI: Request to add:

- Graham Doors and Oshkosh Doors: equal to VT, Algoma, Eggers, and Marshfield Door Sargent 8200 series and 11 Series locks: equal to Schlage mortise locks and cylindrical locks
- Sargent 8800 series exit devices: equal to Von Duprin
- Sargent 351 & 1431 closers: equal to LCN closers
- Sargent XC or Degree keying system: equal to Schlage Everest D system
- Rockwood flat goods: equal to Ives, & Hager
- Pemko Weather stripping: equal to Zero, National Guard, & Hager
- McKinney hinges: equal to Ives, Select, & Hager

Response:

- Graham and Oskosh doors are accepted as an equal to the specified products
- Sargent series 8200 and 11 Series Locks are accepted as an equal to the specified products
- Sargent Series 8800 exit devices are accepted as an equal to the specified products
- Sargent Series 351 1nd 1431 Closers are accepted as an equal to the specified products
- Sargent XC or Degree keying system is accepted as an equal to the specified product
- Rockwood flat goods are NOT accepted as an equal to the specified products
- Penko Weather stripping is NOT acceptable as an equal to the specified products
- McKinney Hinges are NOT acceptable as an equal to the specified products

17. RFI: Drawing E100 has some conduit designations listed that are not listed on E90 or E91.

Some of the conduits shown have no designation. Please clarify.

Response: Conduit tag F:100.00 is four parallel runs of (3)500 MCM in 4”C from the generator to the ATS as shown on E-010. Include (30) #12 in 2”C for guarantor status and control.

Conduit tag P:100.03 and 04 shall be fed from Panel H2, not SWBD MAIN as shown on the conduit and conductor schedule

Conduit tag P:100.20 and 21 are (3) #8 in 1”C fed from Panel H2 to serve parking and site lighting.

Conduit tags C:100.00 and 10 are empty conduits for telecommunication entry into the building.

Provide and install power and control conduit and conductors as required to service the saltwater pump station and control panel shown on attached E-902

- 18. RFI:** The proposal sheet says to see sheet C-930 for the bid alternate, the pedestrian bridge. It does not reference sheet C-931 nor sheet C-900. However, sheet C-930 does not show the concrete footing and segmented wall shown at the bridge on sheet C-900. Are these other items shown on sheet C-900 part of the bid alternate too?

Response: Yes.

- 19. RFI:** What type of window treatment are required section 122113?

Response: Specification section 122113 calls for Levelor 1", Riviera Blinds or equal. (Color 860 Mercury). Sheet I600 calls for blinds on all exterior office windows. This includes Type A and A1 windows only).

- 20. RFI:** Window types, D,E,F,G,H, I. The large Curtain Walls. Are we going to need to cover any part of those windows with blinds?

Response: Please see Response to RFI 19.

- 21. RFI:** In spec section 061516 Part 2.4 F, you are calling out a factory applied stain for the 2”x 6” tongue and groove wood decking. Can you specify a product that is available with the factory applied stain?

Response: The intent for this project was to have the same manufacturer, responsible for the Glued-Laminated Construction per Spec Section 06 18 00, also provide factory finished solid wood decking as a part of the engineered, fabricated and installed complete timber building framing and decking installation.

Modify the following locations within Spec Section 16 15 16 “Wood Roof Decking” wherein “manufacturer” will be replaced by “Glued-Laminated Timber Manufacturer”; para 1.3-C and para 2.4-F.

In addition to the above modification to Spec 16 15 16, also make the following modification to Spec Section 06 18 00:

Replace para 1.2-A to read "Section includes manufactured and installed framing using structural glued-laminated timber, and in addition coordination, detailing, manufacturing and installation of solid-sawn wood roof decking under Spec Section 16 15 16 "Wood Roof Decking"."

- 22. RFI:** The bid proposal form states that the duration is Five Hundred Twenty (420) days. Please issue a corrected bid form.
Response: Substantial Completion for this project is Four Hundred Twenty (420) days. The Work shall reach Final Completion within thirty (30) days of Substantial Completion.
- 23. RFI:** The model numbers indicated for the Soap Dispensers and Folding Shower Seat are not valid per Bobrick. Please clarify.
Response: Item G. Soap Dispensers are listed as Item B-550. This should read Item B-5050. Item K. Folding Shower Seat is listed as Item B5817. This should read B-517.
- 24. RFI:** Please confirm that all ff&e shown on I103 and I104 drawings will be owner furnish owner installed.
Response: All furniture and equipment indicated on drawing sheets I103 and I104 will be Owner furnished and installed. These items are shown for reference only.
- 25. RFI:** Please confirm the contract duration is 420 days for substantial completion and 45 days for final completion.
Response: Substantial Completion for this project is Four Hundred Twenty (420) days. The Work shall reach Final Completion within thirty (30) days of Substantial Completion.
- 26. RFI:** Please confirm that the bidder agreement to self-perform 15% of work can be provided on company letterhead and a specific filled out form from FDEP is not required.
Response: Confirmed. **See response to RFI 75.**
- 27. RFI:** What does the site debris removal allowance include?
Response: This was discussed at length at the pre-bid meeting. There are 22,000 cubic yards of soil piled on the site. That pile, and other areas of the site, include debris from the City's use as a disposal site for many years. The geotechnical report requires that the debris be segregated by use of a root rake or other mechanism such that no brick or concrete material greater than 12" square remain on-site. No plastics, wood, metal or other debris of any size is to remain on-site.
- The material is to be hauled from the site and deposited in a location legally approved for this purpose. The contractor is to be paid by the truck measure at \$600 per 20 CY truck. The allowance of \$12,000 is available for this payment.
- 28. RFI:** Please confirm all required tap fees and service connections are included in allowance 6 and 7.

Response: Confirmed

- 29. RFI:** Please confirm that the base bid will include installing sidewalk to beginning of pedestrian bridge. It is assumed the alternate will include segmental block retaining wall, concrete foundations, sheet piling, rip rap, asphalt removal/put back and bridge construction.

Response: Confirmed

- 30. RFI:** Please specify Manufacturer, Color, and Pattern for Back Painted Glass Panels @ Front Die-Wall of Reception Desk in Lobby 100.

Response: See attached drawing (Reception Desk Finishes) indicating colors for back painted glass for MW 2.

- 31. RFI:** Please specify desired "Countertop Edge Type" for HDPE Materials Used at Wet Areas.

Response: The HDPE edges on details 3&4 /A601 are square edged HDPE material. The HDPE edges on details 8&9/A601 are square edged HDPE Material raised above the counter to form a lip.

- 32. RFI:** Please provide supplemental information on "irrigation well". What depth and pump size shall be included for bidding purposes?

Response: See sheet L-102. Pump size is listed in the irrigation schedule. Pump production is listed beside the Schedule as 100 gpm at 60 psi. Well depth is estimated at 140 feet deep based upon other irrigation wells in the area.

- 33. RFI:** Please confirm "custom fabricated equipment" is limited to the stainless-steel cleaning sink at MW 6.

Response: Food-service equipment is listed in specification section 11300. The stainless-steel countertop is indicated on the millwork drawings.

- 34. RFI:** Please confirm Satisfactory Soils as listed in 2.1 C shall be used under the building mat foundation and between the mat foundation and slab on grade.

Response: The definition of Satisfactory Soils as contained within Specifications 31 20 01, "Earthwork – Buildings" 2.1C shall address soils placed within the building footprint (plus 5 feet outside) and the interstitial depth from the top mat foundation and the underside of the interior concrete floor slab.

- 35. RFI:** What is the collateral load required by the architect for the metal building?

Response: 10 psf

- 36. RFI:** Please provide more detail for the "Retaining Wall" shown just north of the dumpster on sheet C-104 such as what kind of wall, the grades, etc...

Response: The retaining wall is detailed in the structural drawings including sheets S-012, S-100, and S-111.

- 37. RFI:** What are the pavers shown on C-100 just east of the area indicated as Bus Drop-off?
Response: The pavers are to be Plazastone, Light Almond color, sourced from Block USA. Installation will be on the same as the parking lot with a ½" sand setting bed. Pattern will be a stack bond.
- 38. RFI:** E-010- Electrical single line: The Main Circuit breaker is marked with a key note #3 which pertains to the ATS not the Main ECB. Shouldn't this be marked key note #2?
Response: Yes, it should be marked keynote 2.
- 39. RFI:** E-010- Electrical single line: The Key note #7 is shown at the conduit ID for the irrigation motor. Key note #7 pertains to the ATS so should this key note actually be #6?
Response: Yes, it should be keynote 6.
- 40. RFI:** Sheet E-010- Electrical single line: The irrigation motor is specified as a 37.5 horsepower motor but is feed by a 30 amp starter which is not sufficient for 37.5 HP. Please verify the motor horsepower.
Response: The correct HP is 7.5HP.
- 41. RFI:** Sheet E-100 – Electrical site: please specify the size and type of junction boxes shown on this sheet. Since there are 12 shown the cost can be significant depending on the size and type of each that are required.
Response: The minimum box size shall be 48" X 24" with open bottoms. The contractor shall size all boxes per the NEC.
- 42. RFI:** Sheet E-100 – Electrical site: This sheet shows UGE to the irrigation well site and the saltwater pump locations but does not show the conduit ID number for these runs. Please specify.
Response: Refer to the revised sheet E-100.
- 43. RFI:** Sheet E-110- Electrical Conduit routing plan: the routing is shown but the conduit ID's for each run is not specified. The location of the junction boxes are shown but the size and type are not specified. Please specify the conduit ID's and the junction box type & size.
Response: The intent of the drawing is to show the recommended pathway through the building to minimize conflicts with the building structure and other trades only.
- 44. RFI:** Sheet E-110- Electrical conduit routing plan, sheet note #9: This note specifies to include in the base bid an additional 25% of the total quantity of conduit to be used as spares or directed as needed during construction. Please specify if this pertains to only the conduits on this sheet E-110 for the electrical only or if it is to include the telecom, AV, and site conduits?
Response: The note covers all conduit and conductors as required for a complete project and is not limited to sheet E-110. This includes all building wire, cables, and conduit shown on sheets E-090 and E-091, and homeruns for circuits in panel schedules.

- 45. RFI:** Sheet E-210, T-111 & TA-201: The “FP” locations: These flat panel displays show a large backbox to be installed by the EC. Is this backbox furnished by the AV contractor or by the EC? If it is furnished by the EC, please specify the size, type, etc.
Response: The electrical contractor is responsible for providing and installing backboxes as stated in sheet T-002. Backboxes shall be a standard double gang 4-11/16” x 2-1/8”. Coordinate requirements and rough-in with the AV supplier.
- 46. RFI:** Sheet E-100- Electrical site: The circuit ID’s P-100:20, P:100.10, P:100.21 and P:100.22 are shown on this page but are not on the schedule. Please specify the conduit, quantity and cables required in these areas.
Response: Refer to the RFI 17 response and revised sheet E-100.
- 47. RFI:** Sheet E-302, room 148: shows light fixture type UTLW & UTLWE. These fixtures are not show on the fixture schedule. Please provide the fixture information on these fixtures.
Response: Revise UTLW to be UTML. Revise UTLWE to be UTMLE.
- 48. RFI:** sheet E-310 & E-311: Fixtures TTL and TLS or TL4 and TTL are shown on each tank. Is it required to supply and install both types at each tank or is it the design intent to furnish and install one of the other but not both at each tank?
Response: The design intent is to use one not both based on the package option selected.
- 49. RFI:** Sheet E-302 through E-321, indicates a lighting control system is required as well as specific switches, occupancy sensors, and dimmers are shown on the floor plans, However the lighting control diagram sheets (E-320 & E-321) does not give specific equipment. The legends on sheets E-001 through E-004 do not specify these switches, sensors, or controls either. Please provide information on the lighting control system that is required as well as the various type of wall control switches and dimmers shown on the floor plan.
Response: See attached Lighting Controls Device Model Numbers Schedule
- 50. RFI:** Please specify the electrical conduit and wire that will be required between the aquaculture equipment the control panel show to be used for that area.
Response:
480V, 3 phase: (3) #10, (1) #10G in 1” PVC (0-10 fee AFF)
480V, 3 phase: (3) #10, (1) #10G in 1”RGS (greater than 10 AFF)
240V, 1 phase: (2) #10, (1) #10G in 1” PVC (0-10 fee AFF)
240V, 1 phase: (2) #10, (1) #10G in 1” RGS (greater than 10 AFF)
115V: (3) #10 in 1” PVC (0-10 feet AFF)
115V: (3) #10 in 1” RGS (greater than 10 AFF)
Control/Signal circuits: Coordinate with equipment supplier
- 51. RFI:** Sheet F-010 Electrical single line: The Main Circuit breaker is marked with a key note #3 which pertains to the ATS not the Main ECB. Shouldn’t this be marked key note #2?
Response: Yes, it should be marked keynote 2.

- 52. RFI:** Sheet F-010: Electrical single line: The Key note #7 is shown at the conduit ID for the irrigation motor. Key note #7 pertains to the ATS so should this key note actually be #6?
Response: Yes, it should be marked keynote 6.
- 53. RFI:** Sheet E-100: Electrical site: please specify the size and type of junction boxes shown on this sheet. Since there are 12 shown the cost can be significant depending on the size and type of each that are required.
Response: The minimum box size shall be 48" X 24" with open bottoms. The contractor shall size all boxes per the NEC.
- 54. RFI:** Sheet E-100: Electrical site: this sheet shows a UGE from the building to the covered area for the tanks but does not specify the conduit ID's. Please provide the ID so we know the size and quantity of the conduits required.
Response: Sheet E-100 shows the desired conduit route. Refer to the conduit and conductor schedule on sheets E-090 and E-091 for conduit details and the E-700 series of drawings for corresponding conduit tags and circuit numbers. Include one spare conduit for each conduit shown as part of the base bid.
- 55. RFI:** Sheet E-110: Electrical Conduit routing plan: the routing is shown but the conduit ID's for each run is not specified. The location of the junction boxes are shown but the size and type are not specified. Please specify the conduit ID's and the junction box type & size.
Response: The intent of the drawing is to show the recommended pathway through the building to minimize conflicts with the building structure and other trades only.
- 56. RFI:** Sheet E-110: Electrical conduit routing plan. This note says to include an additional 25% of the total quantity of conduit to be used as spares or directed as needed during construction in the base bid. Please specify if this pertains to only the conduits on this sheet (E-110 for the electrical) only or if it is to include the telecom, AV, and site conduits?
Response: The note covers all conduit and conductors as required for a complete project and is not limited to sheet E-110. This includes all building wire, cables, and conduit shown on sheets E-090 and E-091, and homeruns for circuits in panel schedules.
- 57. RFI:** Sheet E-110, T-111 and TA-201: "FP" Locations: These flat panel displays show a large backbox to be installed by the EC. Is this backbox furnished by the AV contractor or the EC? If it is furnished by the EC, please specify the size, type, etc.
Response: Backbox equal to Wiremold EFSB2, with duplex receptacle, and module for supporting either required AV RJ-45 jacks or grommet opening, is furnished and installed by the EC. Delete Telecom cabling provisions, including (1) 1-1/4" conduit.
- The electrical contractor is responsible for providing and installing backboxes as stated in sheet T-002. Backboxes shall be a standard double gang 4-11/16" x 2-1/8". Coordinate requirements and rough-in with the AV supplier.

58. RFI: Sheet E-302, room 148: Drawings show light fixture type UTLW and UTLWE. These fixtures are not shown on the fixture schedule. Please provide the fixture information on these fixtures.

Response: Refer to RFI 47 response.

59. RFI: Sheet E-302-E-321: Drawings indicated a lighting control system is required as well as specific switches, occupancy sensors and dimmers as shown on the floor plan, however the lighting control diagram (sheets E-320 & E-321) do not give specific equipment. The legends on sheets E-001 through E-004 do not specify these switches, sensors, or controls either. Please provide information on the lighting control system that is required as well as the various type of wall control switches and dimmers shown on the floor plan.

Response: See attached Lighting Controls Device Model Numbers Schedule

60. RFI: Sheet E-800, E801, and E-802: Per UL96A and NFPA780 Code for Lightning Protection Installations, a Counterpoise is not required unless the building is 60' or higher in elevation. Since this building is not that tall would it acceptable to delete the counterpoise shown?

Response: Install the counterpoise.

61. RFI: Sheet E-800, E801, and E802: Per UL96A and NFPA780, lightning rods are not required around the eave or outer perimeter, since the building has a 3 on 12 roof pitch. Is it acceptable to allow the Lightning Protection contractor to specify the location and quantity of the air terminals/lightning rods on top of the building in their shop drawings as long as they design the system in order to obtain a UL Master Label?

Response: Yes, as long as the maximum air terminal height is 18 inches or less, uses materials as shown, and the design receives a TL Master Label.

62. RFI: Please specific the electrical conduit and wire that will be required between the aquaculture equipment the control panel show to be used for that area.

Response: Refer to RFI 50 response.

63. RFI: Sheet P111: Plumbing drawing P111 refer to a water well system and tells you to see civil. Where is the information for this water well?

Response: See Sheet L-102

64. RFI: Does the aquaculture equipment set on housekeeping pads? If so, where can we find the number and sizes of these pads?

Response: Design intent is for all pumps to be frame or housekeeping pad mounted. Frames are preferred and more space efficient. Other AQ equipment is frame, stand or wall mounted for space efficiency. Tanks requiring housekeeping pads are indicated in Tank equipment schedule. Housekeeping pad requirements include but are not limited to:

13 0400 para. 2.6.D – tanks mounted on housekeeping pads

13 0500 para. 2.2.I – additional FRP tank requirements

AQ401 drawing notes – housekeeping pads

AQ403 drawing notes – housekeeping pads

AQ404 drawing notes – housekeeping pads
AQ405 drawing notes – housekeeping pads
AQ505 detail (4)
AQ601 Tank Schedule – elevated tank housekeeping pads
AQ602 Pump Schedule – housekeeping pads unless base or frame mounted; coordinate with AQ Delegated-Design-Supply Specialists

Tanks that are 36" or greater in diameter shall have round housekeeping pads, with radius 4" greater than tank bottom outside diameter. Tanks less than 36" diameter can be square, extending 4" beyond edge of tank bottom.

AQ402 drawing note 8 – also note poured concrete anti-flotation collar requirements

- 65. RFI:** Specification no. 133419: What would the Engineer require for collateral load on the Rigid Frame Metal Building?
Response: Please see response to RFI #35
- 66. RFI:** A400 appears to show a gyp board ceiling in Rooms 150 and 151 at 8' AFF. The Finish Schedule on I600 shows these rooms as having "Exposed Ceiling." Please indicate which drawing is correct.
Response: Gyp board ceiling is required in storage Rooms 150 and 151 at 8 feet.
- 67. RFI:** A400 Room 136 on the RCP shows ACT ceiling at 9', but the Finish Schedule lists "Exposed". Please indicate which drawing is correct.
Response: Provide an ACT ceiling in room 136 at 9 feet.
- 68. RFI:** A400 indicates Room 104A which does not exist on finish schedule. Please provide information for finishes in this area.
Response: Include Room 104A Electrical in the Room Finish Schedule shown on Sheet I600 with the following finishes: Floor SDT-1, Base RB-1, Walls PT-1, Ceiling ACT-1
- 69. RFI:** Specification Section 072100 indicates using "Theater Shield acoustical insulation above the slotted linear metal ceilings in the Lobbies and entryways as detailed." The only metal ceilings shown are the exterior soffits. Please confirm the lobbies do not have slotted linear metal ceilings.
Response: The Theater Shield acoustical insulation is not required.
- 70. RFI:** 3/A203 shows the hat channels @ 16" o.c. horizontally. 1/A203 shows them vertically. 5/A203 doesn't show them at all. Please confirm the hat channels are to be installed per the above details.
Response: Provide hat channels at 16" VERTICALLY on exterior wall sections 1,3 and 5/A203.
- 71. RFI:** 6/A203 calls for 10" 16 ga Aluminum Studs. Please confirm aluminum studs are required in this location.

Response: Delete note on Detail 6/A203 calling for aluminum studs. See Structural drawings for wall framing.

- 72. RFI:** A300 indicates fish scale wall panels on the north wall and T&G siding on the east wall of the elevator core. I100 indicates fish scale and T&G siding on all sides of elevator core. Please indicate which drawing is correct.

Response: Sheet A300 is correct. Fish scale panels are required on the north side of the elevator core and T&G siding is required on the east side. The other elevator core walls are exposed CMU.

- 73. RFI:** The north west walls on S-104 are called out as W3.5, on S-106 indicates them as a W3.7 wall. Please confirm the walls in this area are supposed to be W3.5 8" CMU walls that stop at elevation 9'4" with no wood framing to roof deck.

Response: Walls shown on S-104 that are common to Rooms 122, 123, 124 and 125 shall be Wall Mark W3.5, CMU in construction and shall terminate at +10'-4" a.f.f.. The southern segment of the eastern wall of Room 126 shall be Wall Mark W3.6 (load bearing) from the southern wall to the concrete column C2 to the underside of the right adjacent composite steel deck and concrete floor for Room 202A. This wall continues in wood stud construction to the underside of the roof deck above. The northern segment of the eastern wall of Room 126 shall be Wall Mark W3.7 (non-load bearing) to the same top of wall of the southern wall segment, with the balance of the wall in wood stud to the underside of the roof deck above.

- 74. RFI:** The south west corner wall south of the C4/S-303 cut section are indicated as W3.5 wall on S-103, on S-105 it is shown as a w3.4 full height CMU wall. Please confirm which is correct.

Response: The north wall of Rooms 150 and 151 are to be Wall Mark W3.5, the west wall of Room 152 is Wall Mark W3.7.

- 75. RFI:** The walls south of column line 3 and between column lines C.3 and C.5 are indicated as wall type W1.8 on S-103 and W1.5 on S-105. Please confirm which is correct.

Response: The east wall of Room 133 is Wall Mark W1.5 terminating at +9'-4". The south wall of Room 132 and 133, as well as the east wall of Room 132 shall be Wall Mark W1.8 terminating with wood stud construction to the roof deck.

- 76. RFI:** The 2nd floor wood decking appears to only show LL3 angle framing at certain locations, please confirm that angle is only required in the areas indicated.

Response: There is no second-floor wood decking. On Drawings S-105 and S-106 there is composite steel decking and concrete infill serving as the second-floor structural system. The perimeter of the composite Deck D1 consists of a pour stop flush to the surface of the concrete deck, however the composite decking weight is supported by segments of structural angle mark LL3 fastened to the bounding concrete masonry walls between all framing members. Only portions of the ledger angle are shown on the plan, however it is keynoted 5-3.60 and noted as Typical.

77. RFI: Note 5-7.40 indicates to refer to FRP grating schedule but one is not shown in the plans. Please provide grating schedule or confirm that all grating is to be 1 ½” fiberglass reinforced.

Response: The FRP Grating, framing and stairs are shown on Drawings S-103 as well as AQ-102. References to a schedule shall be deleted. The minimum depth shall be 1.5”, but the final thickness of all FRP decking and supplemental construction shall be based on requirements for floor loadings within Spec Section 06 74 13 “Fiberglass Reinforced Gratings, Stairs and Railings”. All FRP construction within this specification is to be by a Delegated Engineer.

78. RFI: Details A3 and A5 on S-012 are shown but the plans do not indicate where they are located. It is assumed that A3 sits directly under the tanks and feeds into A5. Please confirm.

Response: Details A3/S-012 serves as the Trench Drain, 3 locations, as shown more accurately on Drawing P101 (Mark 4) and on Drawing P302. Provide fiberglass grating.. Detail A5/S-012 and B5/S-012 address the enlarged trench box at the tankage drain drop, which then narrows down carry the tank drain piping into the larger floor trenching. These serve a total of ten (10) aquaculture tanks distributed within Rooms 152, 154, 131 and 127. Provide fiberglass grating for these two style trenches.

79. RFI: Per the Instructions to Bidders under Section B2-E Work Force, it states the contractor to self-perform no less than fifteen percent (15%) of the project management and construction work utilizing Contractor’s Employees (defined as Contractor’s Employee in Section B-1). The definition calls for the employees to be on the contractor’s payroll prior to bid opening. See the following questions:

- a. Does the 15 % include materials, equipment & labor?
- b. Can the 15% requirement be reduced?
- c. Can you waive the requirement of contractor’s employees being hired prior to bid? Should we be the successful bidder, we would most likely hire a local workforce to complete the scope of work we intend to self-perform.

Response: This is not a Bureau of Design and Construction or Dept. of Environmental Protection specific requirement – it’s a requirement for low-bid projects in general as established by the Dept. of Management Services governed by Florida Administrative Code 60D-5.004:

“g. Work force – On Level Five projects, the contractor must agree to perform no less than 15% of the construction work utilizing its own **employees.**”

80. RFI: Per specification section 071700 Below Grade Waterproofing, it mentions all below grade exterior walls receive waterproofing and the Elevator Pit. The plans only show this application around the elevator pit. Please clarify if all below grade exterior walls receive waterproofing and provide a section cut detail.

Response: The below grade waterproofing is for the elevator pit only.

81. RFI: Per the Storage Shed drawings, I do not see any PEMB Insulation in the roof system. Do we install insulation between the roof and liner panel for a condensation barrier?

Response: No insulation is required below the storage shed roof

82. RFI: Based on the AQ drawings pertaining to House Keeping Pads, do we install diameter or square pads? What would the OD dimension be in relation to the tank diameter?

Response: See response to line 64 RFI.

83. RFI: Can you clarify if we are to follow the wall layout on the Architectural or Structural plan sheets, because wall types and layout conflict between the two sets?

Response: Follow Structural drawings for structural wall dimensions and openings. Follow Architectural drawings for non-structural walls not covered under Structural drawings.

84. RFI: The cooler/freezer mfg. has a limit of 100 feet from the walk-in cooler/freezer refrigeration tie-in. According to the drawings they are located too far from the refrigeration system. Would you consider going to a self-contained top mounted refrigeration system?

Response: Relocate the freezer and walk in coolers associated condensing unit to the grass area south of Rm. 131 as indicated in the attached Drawing. This location will reduce the distance between the indoor and outdoor units to approx. 80'. Install per manufacturer recommendations. Mount the units on a 4" concrete pad. See the attached revised drawing M111 with revision dated 12/18/2017

85. RFI: Per the Instructions to Bidders under Section B2-G Superintendent, it states to provide resumes of the contractor and trade subcontractors with our bid submission. Since our superintendent will cover all scopes of work, we would like to request that B2-G be changed to allow submission of our superintendent

Response: The superintendent may serve in these roles.

86. RFI: Per the Instructions to Bidders under Section B2-G Superintendent, it states to provide resumes of the contractor and trade subcontractors with our bid submission. Since our superintendent will cover all scopes of work, we would like to request that B2-G be changed to allow submission of our superintendent resume only and waive the request of the trade sub resumes. If they are required, can they be provided within 24 hours of the bid opening?

Response: The Department will not waive the requirement of a resume of experience for each of those proposed supervisory employees. The firm determined by the Agency to have submitted the low, responsive bid must complete and submit the above required qualification data where applicable within seven working days after being notified as the low responsive bidder. The Agency will evaluate all data submitted within seven days of receipt and determine whether the firm is a qualified bidder. Should the bidder be judged unqualified, its bid will be rejected and the bidder submitting the next low responsive bid will be given seven working days to submit its qualification data.

87. RFI: Per the Instructions to Bidders under Section B2-G Superintendent, it states the contractor shall assign and name a qualified employee to provide scheduling for the entire

project. Could the Contractor hire a 3rd party scheduler to complete this portion? If allowed, we can provide a resume for said 3rd party.

Response: Florida Administrative Code 60D-5.004:

Supervisor – On Level Five projects, the contractor must agree to provide field (on-site) supervision (through a named superintendent) for all trade subcontractors on the project. In addition, the contractor shall assign and name a supervisory employee to provide scheduling direction to the entire project. Supervisory employees (including field superintendents, foreman and schedulers at all levels) must have been employed in a supervisory (leadership) capacity of a substantially equivalent level on a similar project for at least two years within the last five years. The contractor shall include a resume of experience for each of those proposed supervisory employees.

88. RFI: Refer to the Allowances – Allowance # 1 covers the Building Permit for the Main Building and Accessory Building. Can you clarify if this will cover the Alternate # 1 Pedestrian Bridge if accepted? If not, can you provide an allowance for it?

Response: The Bridge is covered in the Building Permit allowance.

89. RFI: After reviewing Sheet C-104, C-900 & L-103, it appears to call out several types of Retaining Walls. To clarify, sheet C-104 refers you to L-103 that shows a Highland Stone Block sitting wall and I understand that detail; however, Sheet C-900 calls out a segmented block wall at the Pedestrian Bridge, but no section cut or specification. Can you provide a section cut and specification section for the Block Retaining Walls at the Pedestrian Bridge?

Response: All Segmental Block Retaining Walls are the same color and manufacturer (or equal): Anchor Block is the manufacturer. Anchor Diamond Pro (8x18x12) is the block for the retaining walls.

Anchor Highland Stone (6x18x9) is the freestanding wall on sheet L-100 and detail on L-103.

See Sheet C-900 for the extent of segmental block required for the bridge abutment on the west side of the bridge.

90. RFI: Sheet L-103 makes reference to site furnishings such as benches and a bike rack, but I don't see a specification section. Please provide a specification section for these items. Also, can you clarify the location and quantities? I only notice them on Sheet L-103.

Response: The only Bike Rack is shown on sheet C-103. It is a custom aluminum installation in the shape of a fish.

The benches are also shown on C-103. 5 required. The manufacturer or equal is called. They are to be aluminum and recycled plastic suitable for a salt environment.

91. RFI: Aquacultural Systems: Please clarify type of piping system required in Section 13 for the LSS ozone and oxygen lines. Please advise if schedule 40 316SS pipe is acceptable or if 316SS seamless instrumentation grade tubing is required. No specifications listed for stainless steel pipe and fittings.

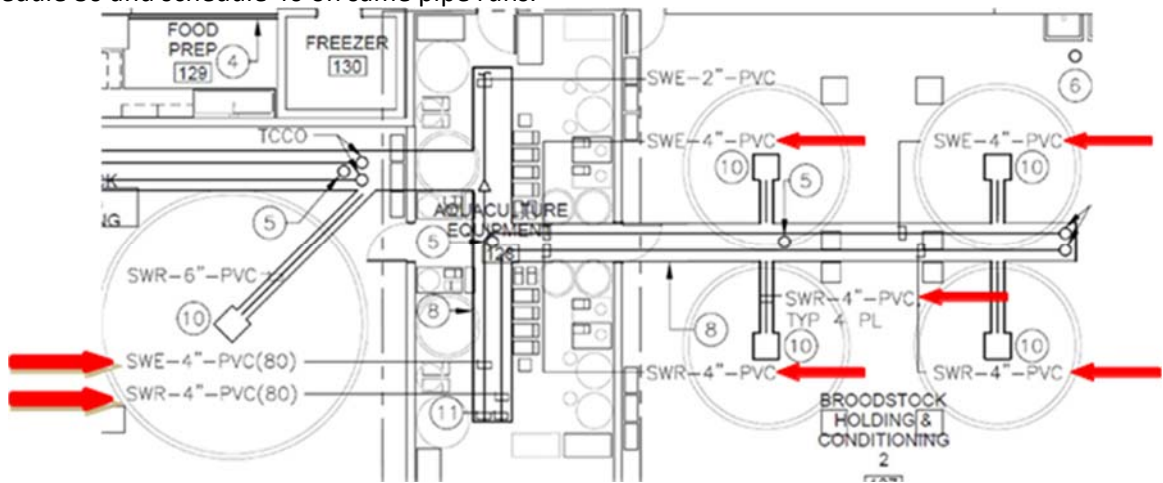
Response: Stainless steel piping for ozone and oxygen service shall meet the requirements of NFPA 99 and ASTM A312. Piping (pipe, valves and fittings) shall be manufactured, cleaned, purged and sealed for oxygen service. System working pressure is 50 psig. Instrumentation grade tubing is not required.

92. RFI: Aquacultural Systems: Please provide additional details for the non-potable freshwater filtration system referenced on drawing AQ401 and equipment schedule AQ602, the Watts WWFS-01. We have been unable to find anyone at Watts that is aware of this self-contained system, and there is not enough information to price the pieces individually. Can you provide a contact at Watts? Also, what is the chemical added to oxidize the water? What size is the filter? What size is the tank?

Response: Basis of Design: Watts N5245-21-285NT AMZ Micro Z sediment filter, plus Watts NF21-WF100F Filox iron filter. Tel: 800-659-8400.

- a. Sediment filter includes 1.5" timeclock valve, 21x62 media tank, 7.0 ft3 Micro Z media, 24 gpm service flow at 10 gpm/ft2, less than 15 psi pressure drop, 40 gpm backwash.
- b. Iron filter includes 1.5" timeclock valve, 21x62 media tank, 5.0 ft3 Filox media, 24 gpm service flow at 10 gpm/ft2, less than 15 psi pressure drop, 25 gpm backwash.
- c. System shall be designed and installed by Watts factory authorized dealer and include cartridge pre-filter plus one-year supply of pre-filter cartridges. Include 2" PVC(80) drain to nearby receptor.
- d. Delete requirements for chemical tank and injector pump.
- e. Suggested source: Coast Chlorinator & Pump Co., Inc., Biloxi, Mississippi, tel: 228-392-2085.

93. RFI: Aquacultural Systems: Please clarify PVC pipe schedule for 'Aquatic Drain Piping' referenced in specification section 13 0100-4 2.5. Drawings indicated both schedule 80 and schedule 40, reference drawing AQ201. Please see below snapshot of drawing showing both schedule 80 and schedule 40 on same pipe runs.



Response: The SWE and SWR piping in question in snapshot should be schedule 40 pvc. Also note that SWE piping under driveway, near column 2C should be SWE-6"-PVC(80), not schedule 40.

94. RFI: Please provide specification for knife gate valves referenced on drawings AQ303 detail 3 and 4, AQ304 detail 1 and 2, and AQ 305 detail 2. Is the intent to be push/pull style valve or a hand wheel operated valve? Please provide approved manufacturers.

Response: Push-Pull style knife gate valves by Valterra or Praher, with 316SS shafts, trim and hardware. Disregard reference to Spears in spec section 13 0100.

95. RFI: SECTION 13 0400 AQUACULTURAL SPECIAL SYSTEMS

2.8 3G-01: OZONE WATER TREATMENT SYSTEM: What is the required production rate for the ozone generator ____ Grams/hr at ____% by weight

Response: See O3G-01 on Pumps, Blowers & Compressor Systems Equipment Schedule on drawing AQ0602

96. RFI: SECTION 13 0400 AQUACULTURAL SPECIAL SYSTEMS

2.5 UVU-01 THRU 09: ULTRAVIOLET DISINFECTION UNITS Is the NSF certification required for the units?

Response: UV unit does not require certification per NSF 55. Plastic pipe, fittings and other components incorporated into UV unit body must meet requirements of NSF 14 and 61.

97. RFI: DRAWING AQ602 AQUACULTURE EQUIPMENT SCHEDULE

BIOLOGICAL & PARTICLE FILTER SCHEDULE – BGF-01 THU 25: Is 160 gpm the expected flow rate through each filter? What micron bag filters are expected? Are the bag filters required? If so what size and quantity?

Response: GPM shown is manufacturers rated capacity. Design intent is to provide bag filter vessels with dimensions, pressure drop and hydraulic capacity similar (within 10%) to the BGF units shown.

160 gpm vessel shall be similar to FSI XL-B-100-B-3F-2-EP with bags similar to FSI B-PONG-XX-XL. See below for XX = bag micron size.

70 gpm vessel shall be similar to FSI X100B with bags similar to FSI BPONG XX X01. See below for XX = bag micron size.

5 microns: BGF-13, 25

10 microns: BGF-02, 03, 10, 12, 15, 17, 19, 21, 23, 24

25 microns: BGF-01, 04, 05, 06, 07, 08, 09, 11, 14, 16, 18, 20, 22

Provide 4 bags for each filter. Do not install initial filter bag until systems have been flushed, disinfected and operating normally.

- 98. RFI:** DRAWING AQ602 AQUACULTURE EQUIPMENT SCHEDULE
PUMPS, BLOWERS & COMPRESSOR SYSTEMS SCHEDULE
MXR-01 & 02: Please verify voltage and phase listed. All stainless motors are typically 230/460 volt, 3 phase motors, not 1 phase. There are options to upgrade to an all stainless 1 phase motor but at a significant upcharge.
Response: Change Electrical Volt/ph/Hz requirements in equipment schedule for MXR-01 and 02 to read 460/3/60. Note that requirement for "All 316SS" includes motor.
- 99. RFI:** Metal Stud, Drywall, Insulation, Acoustical Ceilings: A400 appears to show a gyp board ceiling in Rooms 150 and 151 at 8' AFF. The Finish Schedule on I600 shows these rooms as having "Exposed Ceiling." Which is correct?
Response: See response for RFI 66
- 100. RFI:** Metal Stud, Drywall, Insulation, Acoustical Ceilings: Spec Section 072100 mentions using "Theater Shield acoustical insulation above the slotted linear metal ceilings in the Lobbies and entryways as detailed." I have not seen any slotted linear metal ceilings in the drawings.
Response: See response for RFI 69
- 101. RFI:** Metal Stud, Drywall, Insulation, Acoustical Ceilings: There is no Room 104A listed on the Finish Schedule, but the RCP shows 104A- Electrical with an ACT Ceiling. Please Advise.
Response: See response for RFI 68
- 102. RFI:** Metal Stud, Drywall, Insulation, Acoustical Ceilings: Room 136 on the RCP shows ACT ceiling at 9', but the Finish Schedule lists "Exposed". Please Advise.
Response: See response for RFI 67
- 103. RFI:** Metal Stud, Drywall, Insulation, Acoustical Ceilings: 3/A203 shows the hat channels @ 16" o.c. Horizontally. 1/A203 shows them Vertically. 5/A203 doesn't show them at all. Please advise.
Response: See response to RFI 70
- 104. RFI:** Metal Stud, Drywall, Insulation, Acoustical Ceilings: 6/A203 calls for 10" 16 ga Aluminum Studs. Is the intention steel studs? Please advise.
Response: See response for RFI 71
- 105. RFI:** Per section 011100 Summary of work, it is stated that Owner Furnished Items will be bid separately under a different contract; however, it requires the Contractor to be responsible for insurance, handling, and unpacking of the items. Please clarify if the items listed therein as "furnished and installed by others" are the responsibility of the general contractor to insure, unload, handle, unpack, and store, or are they the responsibility of the installation contractor? If this is required under our base bid, please provide the furnished equipment FF&E package and scope for our review. Also, please provide the spec section 00900 supplementary general conditions that is called out in reference to the insurance requirements.

Response: Owner Furnished Items. Replace section 3 with the following: “The General Contractor is responsible for designating the delivery dates of Owner-furnished items in the General Contractor's Construction Schedule and for cooperating with the Owner’s material suppliers and installers.”

In all other respects, the contract documents of which this is an Addendum, and attachments relative thereto, shall remain in full force and effect.