

## CLARIFICATION NO. 5

North Carolina Aquariums at Fort Fisher Expansion + Renovation

Kure Beach, NC

November 25, 2025

TO ALL BIDDERS:

This Clarification Letter supplements and amends the Bid Manual and shall be taken into account in preparing proposals and shall become part of the Contract Documents. The Bidder shall indicate receipt of this Clarification and any previously issued Clarifications on the Bid Form. Each Pre-Qualified Bidder is responsible for distribution of information conveyed in the Clarification to their sub-bidders and suppliers. This Clarification contains the following items and attachments and shall be incorporated into the Contract Documents.

1. **Revised Bid Manual:**

- Revised full Bid Manual to reflect bid day extension
- Unit Price #10 Added to Bid Proposal Form
- Bid Breakdown removed

2. **Clarifications Response Log:**

- Clarification Response Log 11-25-2025.
  - Attached and published

3. **Construction Schedule:**

- Revised to reflect bid day delay and impacts to construction activities

4. **Bid Packages Scope of Work:**

- Revised to reflect Clarification Responses

End of Clarification 5

Attachments: Sub Requested Clarification Responses (located in the files tab > 02 Clarifications)

Revised Construction Schedule (located in the files tab > 06 Construction Schedule & Site Logistics)

Revised Bid Packages SOW (located in the files tab > 05 Bid Packages)

**Bid Form - Schedule of Clarifications and Addenda:**

Architect/Design Team Issued Addendums:

Addenda #1 – Dated October 17, 2025

Addenda #2 – Dated October 29, 2025

Addenda #3 – Dated November 10, 2025

Clancy & Theys Issued Clarifications:

Clarification #1 – Dated October 24, 2025

Clarification #2 – Dated October 27, 2025

Clarification #3 – Dated October 30, 2025

Clarification #4 – Dated November 12, 2025

Clarification #5 – Dated November 25, 2025

\*Please note that the bid form will be the same for all trades. If a unit price/alternate does not apply to your scope of work, please put “N/A” on your bid form.

North Carolina Aquariums at Fort Fisher  
 900 Loggerhead Rd., Fort Fisher Aquarium  
 Kure Beach, NC 28449

**North Carolina Aquariums at Fort Fisher Expansion and Renovation**  
**C&T Clarifications Log**  
**Final Clarifications**



Item	Reference	General Trade Description	Question	Question Date	Response	Supplemental Drawing Provided	Response Date	Response By
1		Exhibit Theming SOW	1. What is the Live rock (Furnish only) item 2. Bid Package Item 5 - All glazing to tank walls is part of this scope- can you please confirm what this relates to	11/12/2025	1. Please refer to drawing X-206 for live rock item. 2. Bid Package will be revised to say "all tieback/support to tank walls is the responsibility of this bid package".		11/18/2025	CTCC
2		FRP Tank SOW	1. The FRP tank scope, and the Miscellaneous FRP both seem to contradict the Skimmer box requirement to the shark tank, and all other skimmer box covers etc. This also seems to be the opposite of the addenda which added these items into the LSS suppliers pricing. 2. We will include the ones to FRP tanks skimmer covers	11/12/2025	FRP tanks bid package will be revised to "include all skimmer boxes and grates as shown on FRP tanks."		11/18/2025	CTCC
3		Waterproofing/Sealants SOW	1. It's unclear if this section relates to the exhibit coating spec- it does not mention it and the bid scope does not really mention exhibits. But it does in the alternates part in the BP0710 SECTION 099800 – EXHIBIT TANK COATING. What bid package is the exhibit coating to come under for the concrete exhibits (Shark and touch tank). And is the LSS tanks to be a separate less quality product for value reasons and installed by others. Again, which bid package will the LSS concrete tanks come under. 2. Also wherever exhibit waterproofing falls- is crack injection by waterproofing contractor or concrete company- I understand the last clarification mentions this for rebates. Under acrylic exhibit windows.	11/12/2025	1. Please refer to published Tank Waterproofing Bid Package Scope of Work. All tank waterproofing in the back of house areas and listed tanks to be included in this scope of work. 2. Crack injection is to be by concrete subcontractor.		11/18/2025	CTCC
4		Viewing Glass SOW	1. SECTION 088400 - EXHIBIT TANK GLAZING advises epoxy coating to the rebates by acrylic supplier/ installer. Is this a double up with the waterproofing contractor. Or is the exhibit tank waterproof contractor to terminate his scope prior to reach the rebates. Including crack injection	11/12/2025	Bid package to be revised. Viewing window contractor is responsible for all waterproofing at rebates.		11/18/2025	CTCC
5		Bid Forms	Bid submittal – Please clarify the process for mailing the proposal. The Clarification response states “ Any proposals should be mailed 4 hours prior to bid day”. We plan on mailing several days in advance. Is that ok?	11/12/2025	Yes, bids can be mailed in advance. Please refer to the instructions to bidders located in the bid manual for address.		11/18/2025	CTCC
6		Concrete RFI	Please confirm if “monolithic” is referencing vertical only with joints allowed between wall sections, or monolithic in both vertical & horizontal planes, for one singular pour for the entire shark tank concrete wall structure.	11/11/2025	Please refer to clarification #57.		11/25/2025	CTCC

7		Doors SOW	<p>In reference to Clarification Responses:  # 61 - We cannot install hardware without installing the doors. We are not supplying the doors, therefore would not be installing them. This would be highly unusual. We can supply the hardware, but install needs to be by door supplier.</p> <p># 65 - I am not clear on this as it shows the frame to be aluminum/doors FRP. IF all aluminum frames are by BP 0840, wouldn't these be by them also ? FRP doors by us ?</p> <p>On another note- are there any Aluminum FRP doors ? There is a spec section, but none shown on door schedule. All the FRP appear to be fiberglass</p>	11/12/2025	<p># 61 - Aluminum door frame hardware will be furnished by BP0810, install will be by BP0840. Please refer to revised bid package scope of work.</p> <p># 65 - Aluminum frames to be by BP0840 and FRP doors to be by BP0810</p> <p>There are no aluminum FRP doors, only FRP doors in Aluminum frames.</p>		11/18/2025	CTCC
8		Viewing SOW	<p>Specific Scope Items:  7. Who will be responsible for cutting up and discarding the metal skid(s) the acrylic will be shipped with? Normally GC performs this.</p> <p>12. Who provides viewing window protection?</p> <p>17. Is acrylic Viewing Window package to include the crane, tele handlers and operators? Please advise.</p> <p>18. We don't get involved with the actual filling of tanks for hydro testing and recommend using Plumbers or LSS companies. Is this something we need to plan for? (Other than being present onsite for supervision)</p>	11/11/2025	<p>7. To be by viewing window contractor.</p> <p>12. Protection to be by viewing window contractor.</p> <p>17. Acrylic Viewing Window package is required to include all rigging and cranes required for their scope of work &amp; pricing.</p> <p>18. Hydrotest filling to be by LSS contractor. Bid package to be revised.</p>		11/18/2025	CTCC
9		Waterproofing Rebates	<p>There seems to be some confusion and redundancy in the specs regarding the rebate waterproofing and who will perform Exhibit Glazers or the Waterproofing company. Who is actually performing this portion?</p>	11/11/2025	<p>All waterproofing at rebates to be by acrylic viewing window contractor.</p>		11/18/2025	CTCC
10		LSS Waterproofing	<p>Who is responsible of the waterproofing around any pipe penetrations both floor and wall into any exhibits or holding tanks.</p>	11/17/2025	<p>Pipe penetration watersealant shall be by LSS contractor. Please refer to bid package scope of work.</p>		11/18/2025	CTCC
11		Fire Protection	<p>The areas that are being demo's feed other areas that are not being demo's show no temporary protection in being fed. Do you know if it is the intent to keep the areas not demo'd active or are they ok with not being active during construction.</p>		<p>We will need to keep the occupied areas of the building active during the demo/install of piping for the duration of the project.</p>		11/17/2025	CTCC

12		Deep Foundations	The response to RFI number 1 says that subgrade will be brought down to bottom of matt foundations, pile caps, grade beams as applicable per location. My interpretation of that would be that we will be installing from the bottom of the pile cap or matt. However, Item #6 of the scope of work for the Sitework package says that grade will be left at a depth below FF equal to the slab thickness plus the subdrainage fill material thickness. That seems to say we would be at the top of the pile caps which is more typical for our work. This will determine how much pile dipping and cut off will be required. Can you clarify for me whether we will install from bottom of cap / matt or top of cap / matt?		1. Sitework contractor to bring subgrade to bottom of pile cap/mat foundation elevation at all locations. This includes all shoring as required at new pile cap areas where there is potential for undermining the existing structure. Once subsurface/foundation work is complete, sitework contractor shall bring subgrade to top of granular fill and compacted earth at all areas including the touch tank area.		11/25/2025	CTCC
13		General Bid Form	Please confirm that a Certified or Cashier's Check for 5% of our base bid value negates the need to submit a Bid Bond.		Yes this is acceptable.		11/18/2025	CTCC
14		Demo	Please confirm if there is a slab under the raised wood floor at the workshop area.		It appears there is no slab under the raised wood floor. The extent of this will need to be investigated during the demo phase.		11/18/2025	CTCC
15		Doors	Salto wireless access control- spec sets show by others. Is that correct ?		Correct.		11/18/2025	CTCC
16		Paint	The exposed structure ( ceiling ) areas throughout the new and existing buildings are still not clear in regards to paint or no paint. Through all the budgeting exercises, we figured painted exposed structure in all areas accessed by the public, no paint in all the LSS and mechanical and support areas. That is the way the entire building is painted now...no paint ( exposed ceiling ) in LSS and support rooms. The final finish schedule simply says exposed everywhere, and the verbiage in the painting scope of work is pretty ambiguous, although it might could be read as leaning more towards painting all of it. Either way, it could use clarifying.		If shown exposed, please assume to be painted. Please also refer to clarification response. Back of house labeled exposed are not to be painted.		11/18/2025	CTCC
17		Column Covers	Plans only show a metal column cover detail on A-8.24 detail 9. Plans do not indicate any GFRC columns. Please confirm the GFRC column covers will be removed from our scope.	11/4/2025	Specification section 092713 calls out GFRG column covers. GFRG is included in this scope of work.	Revised Bid Package SOW	11/25/2025	CTCC

18	RFI Log 11/11	Concrete	<p>RFI Log – 11.11.25</p> <p>Item 1 – Subgrade Elevations; RFI response notes subgrade will be provided at bottom of mat foundations, caps and gradebeams. 1. Does this include the Touch Tank inside the building? 2. Please confirm that ALL foundations will be provided at bottom of foundation subgrade (Some foundations appear that they will need to be excavated due to proximity to higher foundations). 3. Who is responsible for the 10' +/- of backfill to bring the grade back to slab on grade?</p> <p>Item 37 – Liquid Floor Treatment; The liquid floor treatment cannot be applied to concrete less than 14 days old per spec; – there will be reshoring in place until the topout and removal of the formwork; liquid floor treatment should be by BP-0967 or finish floor trades.</p> <p>Item 49 and 50 – Please verify subsequent trades will be able to accommodate maximum allowable deviations and finish criteria as defined in ACI 117.</p>	11/18/2025	<p>1. Sitework contractor to bring subgrade to bottom of pile cap/mat foundation elevation at all locations. This includes all shoring as required at new pile cap areas where there is potential for undermining the existing structure. Once subsurface/foundation work is complete, sitework contractor shall bring subgrade to top of granular fill and compacted earth at all areas including the touch tank area.</p> <p>Item 37 - BP 0300 will be responsible for curing as detailed in 033000.3.8-C. Any concrete sealing/epoxy flooring will be by others.</p> <p>Item 49 and 50 - Confirmed.</p>	11/25/2025	CTCC
19	RFI Log 9/26-10/10	Concrete	<p>RFI Log 9.26-10.10</p> <p>Item 1 – Stone Sub-base Requirements – S-001 does not indicate any requirements for stone-subbase for SOG; please provide geotechnical report or refer structural engineers guidance on SOG sub-base thickness and material for Stone.</p>	11/18/2025	Please refer to the specification book to find the geotechnical report (located at the beginning of the book).	11/18/2025	CTCC
20	RFI Log 11/04	Concrete	<p>RFI Log 11.04</p> <p>Item 27 – What are the design expectations for the CIP portion of this waterproof system? How will remedial leak repairs be handled?</p> <p>Item 30 – High Low Areas, Spalls, Popouts tolerances can be defined per ACI 117. Cracks, crazing tolerances cannot be defined by ACI 117. Is the concrete contractor required to fix all cracks/crazing per architects approval with no designation of tolerance? If so this could impose significant cost and pricing challenges for this bid package.</p> <p>Item 32 – Please confirm if SF3 exposed concrete is to be rubbed?</p>	11/18/2025	<p>Item 27 - Waterproofing at the tank is to be done by the tank waterproofing bid package. Leaks will be investigated and the repair will be based on the findings.</p> <p>Item 30 - Bid package revised to reflect RFI answer.</p> <p>Item 32 - SF3 applies to areas that require concrete surface repairs (spec section 033000-3.12). Repair/patch tolerances are listed in 033000-3.5.A.1&amp;2.</p>	11/18/2025	CTCC
21	6/S-503 (Addendum Drawings)	Concrete	Is this washed stone & geotextile fabric part of the concrete scope of work or the site contractor? If concrete, where does this detail apply?	11/19/2025	All stone and geotextile fabric to be by sitework bid package.	11/25/2025	CTCC

22	S-001	Concrete	Foundation Note 6: Is backfilling of walls up to subgrade in the site contractor's scope of work? (We will include backfilling of any footings we excavate as part of our operations.)	11/19/2025	This is included in the sitework bid package.		11/25/2025	CTCC
23	Bid Form	Concrete	It would appear only Alternate 3: Exotic Aquatics applies to the concrete scope of work (curbs & housekeeping pads are being added here.) Please confirm.	11/19/2025	Any concrete work (including curbs and housekeeping pads) associated with alternate 3 would apply to the alternate 3 budget.		11/24/2025	CTCC
24	Bid Form	Concrete	Unit Prices: Items 1 through 7 appear to be applicable to the concrete scope of work. Items 8 & 9 do not. Please clarify. If items 8 & 9 are to be included in the concrete scope of work, where would this apply and what is the intent?	11/19/2025	Geotextile and Biaxial Geo-grid in place are the responsibility of the sitework scope of work.		11/25/2025	CTCC
25	RFI Log 11/04	Concrete	RFI Log 11.04 Item 28 - References spec section 071616 which appears to be part of the waterproofing scope of work, not concrete. Please advise/clarify. Will this be picked up by a waterproofing subcontractor?	11/19/2025	For bidding purposes, all crystalline concrete admixtures per the spec (Aquafin-IC) shall be the responsibility of the concrete scope of work for all tanks except the shark and touch tanks. Refer to spec section 033000-4. E. for crystalline admixtures at the shark and touch tank. Madwell waterproofing admixture is to be by the waterproofer at the shark and touch tanks. Further confirmation is to come Monday (12/1) regarding this intent.		11/25/2025	CTCC
26		Concrete	Will the trees located west of Column line intersection C-1 be removed before construction starts?	11/19/2025	Clearing and grubing per the sitework plans to be completed ahead of subgrade		11/25/2025	CTCC
27		Concrete	Is there any direction or guidelines as to the amount of segmentation allowed for the curved concrete walls? How "smooth" of a curve is required?	11/19/2025	All curved concrete walls to be smoothed concrete surfaces per spec, ensure all CIP concrete is smooth as not to protrude through applied coatings or floor coverings.		11/25/2025	CTCC
28	Spec Section 071616	Concrete	Please confirm that Crystalline Waterproofing Admixture (Xypex or Similir) is required at all elevated tank slabs, Shark Tank, touch tank, and recovery basin tanks walls and mat foundations.	11/19/2025	Please refer to clarification #25.		11/25/2025	CTCC
29	Clarification Log 10/24-11/04	Concrete	Clarifications Log 10/24-11/04 Item 01 - Notes that subgrade will be provided at the bottom of foundation elevations. Please confirm that further backfilling of subgrade up to slabs on grade is in the site contractor's scope of work.	11/19/2025	Sitework contractor to bring subgrade to bottom of pile cap/mat foundation elevation at all locations. This includes all shoring as required at new pile cap areas where there is potential for undermining the existing structure. Once subsurface work is complete, sitework contractor shall bring subgrade to top of granular fill and compacted earth at all areas including the touch tank area.		11/25/2025	CTCC
30	Clarification Log 10/24-11/04	Concrete	Clarifications Log 10/24-11/04 Item 37 - Notes that liquid floor treatment is part of BP0300. What slab areas does this apply to?	11/19/2025	BP 0300 will be responsible for curing as detailed in 033000.3.8-C. Any concrete sealing/epoxy flooring will be by others.		11/25/2025	CTCC

31	0300 SOW	Concrete	BP0300 Scope of Work Item 49 - Concrete Washout: Will we be permitted to form and maintain a washout pit onsite (haybales, poly, etc.) for our washout, or are EcoPans (or similar) required for this?	11/19/2025	If washout pit is built on site- it must be installed as to ensure no concrete materials run off/into any soils, wetlands, etc.		11/25/2025	CTCC
32	0300 SOW	Concrete	BP0300 Scope of Work Item 65 - Concrete Toppings: What is this referring to and where is it located?	11/19/2025	Item 65 has been removed from the scope of work.		11/25/2025	CTCC
33	Bid Form	Concrete	Bid Proposal Form Bid Breakdown - Does the small amount of sidewalk included in our scope of work need to be broken out as "Site Costs" or should our entire number be listed as "Building Costs"? Anything else in our scope that would qualify as "Site costs"?	11/19/2025	Please refer to the updated bid manual posted on 11/21. Bid breakdown has been removed from the bid form.		11/25/2025	CTCC
34		Viewing Glass SOW	It is understood that the hydro test duration would be 1 month. I just wanted to clarify what is required for onsite requirements during this period. We do not need a technician onsite for the 1 month duration, correct? We would assume that our technicians would only need to be onsite for the initial filling of the tank, and then will only return upon the completion of the test to apply the dry side silicone seal, or if a leak is identified prior to that date, our technicians would mobilize at that time to address the issue	11/20/2025	Refer to spec. 088400-12 3.5 Field Quality Control- 1 week test after west side sealant has cured. At this point viewing window contractor shall verify initial deflection of acrylic. Once the 1 month water test has started- the water levels will be monitored. If any leaks are found, viewing window contractor shall mobilize on site to address any issues. We do not see where viewing glass technicians are required on site daily during the 1 month test.		11/25/2025	CTCC
35		Viewing Glass SOW	Under Project Conditions-1.6 (B), it states "take field measurements prior to fabrication". Typically, there is not enough time in the project schedule to hold off on panel production until the field measurements are done. Usually, the production kicks off upon shop drawing sign-offs and schedule coordination with the CM and acrylic manufacturer. Please clarify.	11/20/2025	Due to schedule constraints, the viewing window must be released after approved shop drawings. Refer to the second part of the specification referenced. "Where necessary, proceed with fabrications without field measurements and coordinate fabrication tolerances to ensure proper fit of acrylic panel units. Show recorded measurement on final shop drawings."		11/25/2025	CTCC
36		Viewing Glass SOW	In the general scope of work, it is stated that a supervisor must mobilize 2 weeks prior to the commencement of work. I am assuming that is not applicable to us.	11/20/2025	All contractors on site must be present at weekly pull plan meetings to begin coordination a minimum of 2 weeks prior to the commencement of work. If contractors are out of state, an online option may be available.		11/25/2025	CTCC
37		Viewing Glass SOW	Waterproofing of the rebates. The updated specs sent out still have epoxy coating of the rebates in our scope, but there was a clarification sent out that that stated that the tank waterproofer is now responsible for the waterproofing through the rebate. I just want to confirm that we do not need to include waterproofing of the rebates in our scope.	11/20/2025	This scope of work has been revised to match the specifications. Refer to viewing window bid package Rev. 1 scope of work line 19- this scope shall include all waterproofing as required at all rebates.		11/25/2025	CTCC
38		Viewing Glass SOW	Will there be space on site for a 20' conex box for storing our install materials, scaffolding, panel protection, etc..	11/21/2025	Yes, please refer to the site logistics plan for location.	Site Logistics Plan	11/25/2025	CTCC

39		Viewing Glass SOW	On the schedule, we are a little unclear on sequencing for the touch tank install and the shark tank acrylic. Right now we were planning only 1 mobilization for installation of all acrylic windows. Do we need to add another mobilization?	11/21/2025	Per the most recent schedule, touch tank acrylic is projected to be installed in March 2027, Shark Tank acrylic is projected to be installed in July 2027.		11/25/2025	CTCC
40		Casework	In the Scope of Work Summary, it mentions 099123—Interior painting; and 115970—Exhibit Casework and Furniture. We are never involved in painting unless it is casework. And we are not supplying any furniture. Can you clarify this please?	11/24/2025	We listed these specs because you need to coordinate with these scopes of work.		11/25/2025	CTCC
41		Casework	Item #1 Specific Scope Items mentions shelving and coat rods, built-in seating with cushions, and PLAM and wood wall caps. I don't see any of these items, not does a word search find these. Any insight into this?	11/24/2025	This specific scope of work item has been revised.		11/25/2025	CTCC
42		Casework	Item #15 mentions windowsill, exhibit tank sills and exhibit counters. Again, I see none of these on millwork pages.	11/24/2025	Please refer to the exhibit and architectural drawings for locations of the tank sills and counters. A-8.11 and A-8.12 for example.		11/25/2025	CTCC
43		Fire Protection	F2.22B states that the detection of the preaction system is outside the scope of Div. 21. Is someone else picking up the detection or am I to include.	11/24/2025	This is included in your scope of work. Please coordinate with fire alarm on integration as required.		11/25/2025	CTCC
44		Demo SOW	<p>BP0240-Selective Demolition SOW:</p> <p>#31 "Provide building protection after demo of exterior opening. Ensure they are secured daily. Coordinate with CM on location and size. This building protection shall be able to lock from the outside and is intended to keep all weather out of the building."</p> <p>#36 "includes all temporary enclosures built-on site including but not limited to, temporary swinging doors at the main equipment access area into the existing auditorium area."</p> <p>a. Will temporary walls/protections be needed around perimeter of auditorium area with locking barn doors to protect area, correct? i.e., Column E6 moving clockwise to EH on first floor</p> <p>b. Will temporary walls/protections be needed for ALT #2 on perimeter walls of lobby area?</p> <p>c. Will temporary walls/protections be needed in gift shop where storefront is to be removed?</p> <p>d. Will temporary walls/protections be needed on any exterior opening, or any exterior door removal on first or second floor? Including North and East walls i.e., column line E8 moving clockwise to EH on second floor</p>	11/25/2025	<p>a. Correct. All exterior walls to be removed must be replaced with temporary walls or construction doors. Construction doors to be installed at the North and East elevations of the auditorium.</p> <p>b. Yes, temporary walls will be needed.</p> <p>c. Yes, these areas must remain weather-tight.</p> <p>d. Yes, needs to remain weather-tight. Temporary walls added in the auditorium should cover these areas.</p>		11/25/2025	CTCC

45		Deep Foundations	Please clarify the cleaning of micro piles		Please refer to scope item #3 in the bid package.		11/25/2025	CTCC
Item	Reference	General Trade Description	Question	Question Date	Response	Supplemental Drawing Provided	Response Date	Response By
46		Micro Piles	Please provide the raw cpt data with the geotech report if available.	11/13/2025	CPT files are attached, provided by S&ME with the following language: Note that providing this information, it will be for information only, the use of this data is on them and how they use it is on them. If they feel they need more information at the site it should be on them to gather it.		11/19/2025	Alek Wimberly @ SDi
47	6/S-001	Concrete	Class 2 galvanized rebar meets ASTM 767 standards, please confirm this is acceptable.	11/13/2025	Yes, Class 2 Air-Wipe is permitted by ASTM A767.		11/14/2025	Klaus Perkins @ B&P
48	S-130B / 7/S-513	Concrete	Sheet S-130B references detail 7 on sheet S-510, which shows a concrete beam spanning between columns. Sheet S-130B does not show a call out for a concrete beam in these locations. Please clarify if there are beams to be located there or if the detail referenced is just a "typical" representation.	11/13/2025	Beams in question are required at exterior CMU walls. These beams are intermediate beams (between floors) required at the elevation called out in section 7/S-510		11/25/2025	LS @ B&P
49	S-126C	Concrete	Per sheet S-126C, please confirm if rebar reinforcing is to be installed ILO of wire mesh. There is no vapor barrier or granular base called out at this location, please confirm if it is to be excluded.	11/12/2025	Provide re-bar per the SOG note. Also provide vapor retarder over 6" granular fill and compacted earth.		11/25/2025	LS @ B&P
50		Division 8 - Doors	Please confirm what the intent with the lock cylinder cores is. Spec section 087100-23.1 1,2,3 indicate different directions with cores. Will the owner be responsible for installing permanent cores?	11/11/2025	Temporary construction cores are to be furnished with the locks during the construction period. Permanent cores are to be delivered to the Owner for them to install after construction. Part 3.03-I Lock Cylinders line 2 refers back to part 2.15 Keying.		11/19/2025	Alek Wimberly @ SDi
51		Division 8 - Doors	Please confirm if the touch tank frameless doors are to be 2 6" doors ILO of the listed 1 1' door listed in the door schedule. (R210C)	11/11/2025	Double doors (Type DF) in the door schedule list the total combined width. R210-C and R210-D are double doors, with two leaves 6" each, totaling 1'. Also refer to detail 4/A-8.11		11/19/2025	Alek Wimberly @ SDi

52		HVAC	Substitution Request		<p>We do not have any objections to including the following manufacturers as long as they fully comply with the contract documents including equipment schedules, performance requirements, controls integration, physical constraints, specifications, and all coordination responsibilities:</p> <ul style="list-style-type: none"> <li>• Nortek Air Solutions – Custom AHUs</li> <li>• Grundfos – Pumps</li> <li>• Magic Aire – Indoor AHUs</li> <li>• Greenheck (Metalaire) – Single-duct VAVs</li> <li>• Tuttle &amp; Bailey – Air distribution devices</li> <li>• United Enertech – Louvers</li> </ul> <p>Our acceptance assumes the submittals clearly demonstrate full compliance and do not introduce redesign, added structural/mechanical modifications, or deviations from the specified sequences or performance. Any variances identified during submittal review will need to be corrected by the contractor at no cost to the Owner. We also looked over the Johnson Controls Facility Explorer CG/CV/XPM controller bulletin. It appears to be general product literature only, and nothing in it suggests a change to the BAS vendor or system architecture. If the contractor intends to propose a BAS substitution or any manufacturer deviation, that will need to come through as a separate formal request for review.</p>	11/17/2025	David Hahn @ CBHF
53		Tile	Is there a recommended/preferred doorway transition where we are overlaying existing tile with new tile located in the bathrooms?		At these locations, existing thresholds should be removed and replaced with a marble threshold, installed so that ADA requirements are met on both sides. This may require the fabrication of a sloped threshold.	11/19/2025	Alek Wimberly @ SDi
54		Paint	Please confirm if the back of house ceiling labeled as exposed structure are to be painted.		Back of house ceilings will not be painted.	11/19/2025	Alek Wimberly @ SDi
55		Fencing	Please clarify if Revamp Panels is an approved vendor for the Perforated Metal aluminum access fence shown on L505 and infill panels on D3/L501. And is there additional basis of design details?		They are approved if they can meet the design intent/ design parameters that we detailed. We do not have additional basis of design details that are specific to them.	11/25/2025	Colleen Brennan @ Surface 678
56		Division 8 - Overhead Coiling Doors	Please confirm if doors R110C-D and R110C-E are to be part of this project.		These doors were removed from the project (and door schedule) as part of Addendum #1. Please be sure referencing latest documents.	11/19/2025	Alek Wimberly @ SDi
57		Concrete - Tank Wall Pour	The tank walls cannot be placed in one monolithic pour due to the thickness and height of the walls; multiple vertical construction joints will be required to prevent cold joints due to placement sizes and concrete lift requirements. Can the design team please provide a typical design with waterstop and/or epoxy injections for these locations for all bidders?		Refer to detail 10/S-300 for vertical construction joints and water stops information.	11/25/2025	LS @ B&P

58		Concrete - Vapor Barrier	RFI Log 10.24 Item 1 - In reviewing these details – it seems the vapor barrier extends down the sides of the walls all the way to the sides of the gradebeam and foundation system – is this intended? Should the vapor barrier just terminate with the slab turndown and not travel across the face of the wall and down to the footing sides?		The vapor barrier can stop where the slab on grade terminates, it does not need to run down the inside edge of the wall. We will update these drawings in the upcoming for construction set (post-bid).		11/19/2025	Alek Wimberly @ SDi
59		Concrete - Tank Admixtures	Per specification 071616, the list of structures at the end of the spec do not call out the shark tank or touch tank – what waterproofing admixtures will be needed in these tanks?		Refer to spec section 099800 SF - EXHIBIT TANK COATING for the touch and shark tanks.		11/19/2025	Alek Wimberly @ SDi
60	A-8.30	Casework / Millwork	The Reception Desks are called out as quartz countertops. Please confirm that all remaining countertops are to be solid surface countertops. Additionally, please clarify the specified grade/level for these tops.	11/21/2025	Correct, all remaining tops to be solid surface. Quartz is to be commercial grade. These will be clarified in the drawings and specs in the upcoming for construction set (post-bid).		11/21/2025	Alek Wimberly @ SDi
61	A-6.41	Casework / Millwork	Please confirm that the Necropsy casework is to be PLAM.	11/21/2025	Yes.		11/21/2025	Alek Wimberly @ SDi
62		HVAC	Would a third-party coating be acceptable in lieu of the aluminum housing for the AHU fans?		We are okay with using a third-party corrosion-resistant coating in lieu of the aluminum housing for the model GC/GN fans at the Fort Fisher Aquarium. Given that the indoor AHUs are also being coated, this approach appears to be a cost-effective and practical solution that still meets the durability requirements for the project environment.		11/24/2025	Conner Greene @ CBHF
63		Fire Protection	Is there any fire alarm panel manufacturers you would prefer for the holding tank and as called out on F2.24B?	11/24/2025	We do not have any preferred manufacturers for the water reservoir alarm/control panel. The design intent is to give the installer the freedom to select the manufacturer that they prefer for the panel, as long as it meets the requirements listed on Drawing F2.24B.		11/24/2025	Casey Gilman @ Cheatham & Associates
64			Please confirm the hydrotesting requirements. As you are aware, we are not legally allowed to use water for that purpose in certain states.	11/25/2025	As for the hydro-testing requirement, this is often flagged by GCs as an issue. A recent project performed the water tests when the tanks after the tanks were delivered to the site, but before the habitats were installed. (Worth noting that no leaks were discovered.)		11/25/2025	Julie @ ROTO
65			The Allowable Tolerance for FRP Tank is listed as an L/360 deflection criteria. Is an L/200 deflection criteria acceptable?	11/25/2025	Yes.		11/25/2025	Julie @ ROTO

66		HVAC / VFD	<p>1.Can you please check to see if the Bray Valves with Nylon Coating would be acceptable for the chiller valves located outside? There is a division 170000 "life support systems" and "general mechanical valves" 230523 that call for CPVC valves but it is unclear in the control spec 230923 if the CPVC valve type is required for the aquarium. As far as I can tell, the valves in the control section are standard valves with the exception of the note below. No valve vendors are specified. My plan is to use standard Belimo valves inside and Bray Seacorr coatings outdoors for the chillers. If The CPVC type valve is required, can the engineer give me a vendor to get pricing?</p> <p>2.Please confirm if the bypass valves around the heat pump chillers are 4" similar to the inlet size. I can't determine the valve size from the given drawings. There is a bypass valve that is 10" between the primary supply and return but I think this is a manual valve</p> <p>3.Can we get Danfoss/Trane approved for the VFD's?</p>		<p>1.The chilled water and heating water systems are intentionally designed as CPVC systems due to the coastal salt environment, Bray nylon-coated valves are not an acceptable substitute. Even with coatings, metal valves will eventually corrode once the coating is breached.</p> <ul style="list-style-type: none"> <li>•Try Ferguson, Hojoca or Winsupply of Wilmington for CPVC valves.</li> </ul> <p>2.Bypass valves around the heat pump chillers are 4".</p> <p>3.Danfoss/Trane are approved for the VFD's provided they meet or exceed the specifications.</p> <p>CPVC valves are required both indoor and outdoor.</p>	11/25/2025	David Hahn @ CBHF												
67		HVAC	<p>Could you confirm the final filter MERV rating for the RTUs? Looks like the schedule cell is not large enough to display MERV rating</p>		<p>This will be adjusted in the final construction drawings post-bid.</p> <table border="1" data-bbox="1163 678 1383 841"> <thead> <tr> <th colspan="2">FILTERS</th> </tr> <tr> <th>PRE FILTERS SA &amp; EA</th> <th>FINAL FILTERS SA</th> </tr> </thead> <tbody> <tr> <td>2" MERV 10</td> <td>4" MERV 15</td> </tr> <tr> <td>2" MERV 10</td> <td>4" MERV 15</td> </tr> <tr> <td>2" MERV 10</td> <td>4" MERV 15</td> </tr> <tr> <td>2" MERV 10</td> <td>4" MERV 15</td> </tr> </tbody> </table>	FILTERS		PRE FILTERS SA & EA	FINAL FILTERS SA	2" MERV 10	4" MERV 15	2" MERV 10	4" MERV 15	2" MERV 10	4" MERV 15	2" MERV 10	4" MERV 15	11/25/2025	David Hahn @ CBHF
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