ADDENDUM No. 02
Date – 8/6/24

REQUEST FOR PROPOSALS

Project Name – SWF New Hangar
Project Location – Stuart International Airport

Please find enclosed a comprehensive list of all questions submitted by all bidders and their corresponding responses issued by the design team.

The design team is working on revised updated drawings, but they will not be available until Monday, August 12th. They will be issued as Addendum No. 3 that will be sent out on the 13th. Therefore, we are extending the **bid due date** to **Monday, August 19th**.

- End of Addendum No. 02-

#	Description	Type	Date Submitted	Response
1	Drawing A121, column line F6, column line 1 and 2, show 2 columns. Also see Drawing S101, the same column lines F6, 1 &2 but the actual columns are missing on S101. Please clarify.	Structural	07/19/24	Columns graphics have been updated.
2	Drawing S201, section detail N4, shows the grade beam 1'-8" high but no width dimensions. Please clarify.	Structural	07/19/24	See plan dimension should have read 12" minimum.
3	On drawings S201, slab on grade details, the saw cut joint detail for the hangar shows a plate dowel (PNA PD3 basket assembly). With two rows of #6 rebar @ 9 IN o.c. Please clarify where does the basket go.	Structural	07/22/24	Right in the center, just like the detail calls out.
4	Does Port Authority have preferred vendors?	Yonkers	07/23/24	https://panynj.diversitysoftware.com/
5	Please provide complete bill of materials that will be furnished by Varco Pruden under the PEMB scope.	PEMB	07/24/24	We won't have a complete BOM until detailing is complete, but the design drawings show primary and secondary material provided by BlueScope.
6	Please provide a control joint layout in the Hangar Slab on Grade. Drawings do not show anything and the specs state to follow layout on the drawings.	Structural	07/24/24	Please see note SOG2 on sheet S001.
7	Please clarify low voltage scope that will be provided by Signature/ Halle House directly.	Yonkers	07/24/24	Infrastructure is provided by GC with pull string. Cabling and devices will be provided by PANYNJ vendor / Owner vendor.
8	The Fire pump characteristics are different between the drawings and the specs. The drawings indicate two (2) 2,000gpm pumps and the specs state 2,500gpm pumps. Can the engineer please verify the correct pump?	Fire	07/24/24	Fire pumps have changed to 115 psi @ 4000 gpm – updated specs and drawings to be reissued.
9	Please confirm that the windborne-debris impact rating is required as listed in specification 088000, as this rating is not listed in specification 084113. The products listed in specification 084113, 2" x 41/2" storefront system, will not accept the 1 5/16th thick glass infill requested, and has a maximum infill thickness of 1 1/8". If the 1 5/16" glass infill is required, then a system switch to a curtain wall product will be needed.	Architectural	07/24/24	The windborne-debris impact rating is not required.
10	The canopies shown on the elevations and building sections do not specifically address a call out, There isn't a canopy spec. Sometimes, the canopies are part of the metal building system, but that isn't indicated on the drawings or in the metal building spec, as far as we see.	Architectural	07/25/24	Please refer to the PEMB drawings set page SB-301 for section canopy details. We will add a note in the architectural elevations to refer to the PEMB drawings.
11	Will Signature be responsible for paying utilities usage (water, electric, etc.) during the on-going project?	Yonkers	07/25/24	GC will be responsible for all utility usage during construction and services will transfer over once CO is received.

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12	Please advise if the hangar project is tax exempt, capital improvement or tax on materials only.	Yonkers	07/25/24	This project is considered a capital improvement project.
13	Please confirm that the Windborne-Debris impact rating is required as listed in the project specifications 088000, as this rating is not listed in specification 084113. The products listed in specification 084113, 2”x4-1/2” storefront system, will not accept the 1-5/16” thick glass infill in the specified storefront systems (YKK YES45TU or Kawneer 451T) and has a maximum infill thickness of 1-1/8”. Please advise / clarify. Below is an impact rated Kawneer system that can accept the specified 1-5/16” glass. If the 1-5/16” glass infill is required, then a system switch to a curtain wall product will be needed.	Architectural	07/25/24	The windborne-debris impact rating is not required.
14	The storefront frames shown on the west elevation are not included on drawing A501, and look to have spandrel glazing infill. Please confirm.	Architectural	07/25/24	We will add elevations and sections details for west facade in sheet A502.
15	Please provide a specification for the fire rated window types SF6 and SF7.	Architectural	07/25/24	The window assembly needs to be 45 min. rated. Refer to Specification Section 08 80 00-2.7.A Fire Rated glazing. The fire rated aluminum window framing system also needs to be 45 minute rated as part of the tested assembly such as Fireframes Aluminum Frames system or equal.
16	Please provide a finish selection for vinyl base RB-1.	Architectural	07/25/24	RB-1 Tarkett commercial. Traditional 4" vinyl 48 grey. Refer to schedule on sheet A160.
17	The Door Schedule on A500 calls out HM Door and Frame materials for multiple openings, but Head, Jamb and Sill details show Storefront conditions.	Architectural	07/26/24	We are using aluminum storefront systems. We will clarify drawings.
18	Door 110 IT Room calls our FG which is Full Glass Type. We feel this should be Type G which is half lite glass.	Architectural	07/26/24	Door 110 in IT room needs to be FG type per A500 sheet. Two wood doors, no glass.
19	Please advise if the Fiberglass Storage tanks require a ballast slab installed at the based and if so, please provide a detail or parameters of the requirements.	Civil	07/26/24	The requirements and/or design of a ballast slab are to be determined and provided by the tank manufacturer.
20	Is there any masonry/block walls on this project? Drawing G031 Partition Types and Notes show 3, sheetrock wall partition types A, B and C. If you look above that at Detail N15 there is mention of block walls. Please advise / confirm.	Architectural	07/26/24	No block nor masonry in this project. We will remove detail N15 acoustic detail.
21	There is a J3 partition called out for the chase between rm 108 & 109, and Restrooms 105 & 106. J3 is not listed on the partition schedule.	Architectural	07/26/24	We will revise J3 partitions in restrooms to A3 partition.

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22	There is a C1 partition called out between the hangar and office space there is no C1 partition list on schedule.	Architectural	07/26/24	Partition C1 was added during permit comments 6/28/24.
23	This Hangar is a PEMB. Between CL F.9 & F.6 at CL 1, there is a B2 partition called out at the exterior wall. Please clarify if this is needed.	Architectural	07/26/24	The exterior wall between F.9 and F.6 needs to be 2 hours per code. Please refer to sheet G101 for more information. This was added during permit comments 6/28/24
24	At the North & West side of the office space, there is no partition type called out at the exterior walls. Detail A8/A521 & N1/A521 call out 8” metal studs.	Architectural	07/26/24	We will add a wall type at the exterior walls.
25	Structural drawings are shown as framing by PEMB. Please confirm what is required for these exterior walls.	Structural	07/26/24	Please see PEMB drawings for what the walls are.
26	Drawing G031 says to refer to the insulation schedule for partitions to receive insulation. Please provide a schedule for walls to receive insulation.	Architectural	07/26/24	All exterior walls at conditioned office/shops spaces (including perimeter wall between office and hangar space) to have R-6.5 continuous rigid insulation attached with thermally broken Z clips, and additional R-20 batt insulation within framing studs as indicated on Door and Window details on Sheet A510. Interior walls for rooms 105, 106, 109, 111, 112 and 113 will be tagged on the floor plan with "AP" (acoustical partion) tag on floor plans and will be required to have acoustical batt insulation full height from floor to structure above in full height walls per N15/G031 and N3/G031.
27	Multiple drawings have clouded areas calling out addendum #1. No addendum was provided.	Architectural	07/26/24	We will provide narrative for addendum 1.
28	Partition B shows two layers of drywall on both sides of metal studs but also calls out shaft wall framing. Please clarify what this partition is to be.	Architectural	07/26/24	The reference to shaft wall on Partition B does not apply.
29	G101 room 115 has two walls highlighted in red. One is calling for a 1-hour rating, and the other is calling for a 2-hour rating. Please clarify.	Architectural	07/26/24	Room (115) pump room east wall 2 hours. Wall facing the hangar 1 hour. Wall facing room (114) 2 hours.
30	Sheet A141, it appears that the gypsum board ceiling at the Kitchenette Room #101 doesn’t go to the wall, it stops at the cabinetry. Is that correct?	Architectural	07/26/24	No, all the gypsum board ceilings go from wall to wall.
31	There is reference to ACT grid & tile in spec 095113 but none found. Please clarify	Architectural	07/26/24	We don't have ACT ceilings in this project anymore. This was an owner request. We will update specifications.

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32	There are multiple types of sheetrock types in the specifications, and then on sheet G031 they go into detail that if there are tags indicated on the floor plans- it would indicate different types of board (see snap shot below). However we haven't found any indication on the floor plans…. Please advise	Architectural	07/26/24	We will revise tags on sheet A101 and wall assemblies on sheet G031.
33	They reference an 'ap' on sheet G031 for where walls should receive insulation, however 'ap' wasn't found on sheet A101, see snap shot below. Are walls to receive insulation?	Architectural	07/26/24	AP stands for: Acoustical partition tag. We will add these tags in the restrooms and offices on sheet A101.
34	Partition Type 'C1' indicated on sheet A101 between the framed area and the metal building (example, corridor #103 & the hanger). What does this wall consist of- there isn't a type 'C1' on G031 found.	Architectural	07/26/24	PEMB scope. Please refer to section detail 3 sheet SB -311.
35	Detail F1/A521 indicates 1 ½" metal furring at the top of the detail- please confirm this is part of the PEMB.	Architectural / PEMB	07/26/24	1 1/2" metal furring by contractor.
36	This same detail- please confirm that this is part of partition type C1 for between the metal framed building and the PEMB. Or is it a separate wall constructed? It isn't shown on A13/A351 which is where this section detail is from.	Architectural / PEMB	07/26/24	We will provide additional details to clarify this question.
37	All fittings related to the fire pump are shown as flanged fittings on drawing FP002. Can grooved pipe and fittings, valves, etc. be used instead?	Fire	07/30/24	All piping shall be scheduled 40 per TCRM requirements. Groove piping can be utilized. All NFPA 20 and NFPA 13 shall be met. High pressure fitting shall be used where discharge on the discharge side of pump.
38	Will the sprinkler piping need to be painted?	Fire	07/30/24	No painting is required.
39	Can you supply us with sewer inverts and details on Grease Interceptor and sand oil Interceptor. Starting at where its call out to tie into existing sewer main and using the 1% grade shown on the mechanical drawings. On the short run there is a 2Ft difference from the elevation called out on mechanicals below finish floor at building. Entry point and 3 ft difference on the long run.	Mechanical	07/30/24	See revised sheet P100. Invert elevations added to interceptor inlets/outlets and downstream piping tags revised.
40	Drawings note GL-1 and GL-2 but the spec does not. Please advise.	Architectural	07/30/24	Glas 2 spec section will be added.
41	Are interior SF6 and SF7 fire rated frames? Or just fire rated glass?	Architectural	07/30/24	Fire rated frames and glass.

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42	Please clarify if SF 4 is by GC/Contractor or by others (Hangar door vendor), it is in the hangar doors (unless the doors are built with cutouts for frames by others).	Yonkers	07/30/24	Doors and glazing within the frames are the responsibility of the GC. The Hangar Doors come with cutouts for frames by others.
43	Drawing E-600 Electrical one line diagram Keynote 3 states conductors shall be installed in Rigid Metal Conduit. This is referring to the feeders from the Utility Transformer to the CT Cabinets then to the Fire Pump Control Panels. Please confirm that the underground portion of the feeder which will be underground can be PVC-40 encased and have rigid metal elbows for transition from underground to aboveground. Anything exposed above ground will then be rigid metal conduit.	Electrical	07/30/24	The intent is to provide Rigid Metal Conduit throughout. Please provide per notes/drawings.
44	The assumption for chemical waste piping is Ductile Iron Pipe, but we cannot find this in the project specifications. Please clarify.	Mechanical	07/30/24	Chemical waste piping shall be ductile iron. Refer to pipe tags on sheet P100.
45	On drawing S101, there is a note in the center of the page that refers to the under slab piping. This note goes on to say that no piping shall be larger than 8”. On the plumbing drawings the piping is 20”. Please advise.	Structural	07/30/24	If you read the note more carefully, you will see that no sleeve greater than 8" can penetrate through the grade beam.
46	Drawings A201 & A202, all the exterior canopies over personnel entrances, are they furnished by the PEMB vendor as the canopies are not mentioned in the project specifications. There is also no mention of finish (glass, standing metal seam, fabric, etc.) Please advise.	Architectural	07/30/24	Door and glazing within the frames are responsibility of the GC. Exterior canopies are under the PEMB scope.
47	On drawing E600 there is an annotation for the utility transformer that states “Purchased by contractor, furnished and installed by CHG&E”, and on print E010 Note 7 states “CHG&E SHALL FURNISH AND PROVIDE TRANSFORMER”. Please advise which we are to base our pricing on.	Electrical	07/30/24	Please base pricing on purchasing the transformer with CHG&E installing the transformer and providing final connections to transformer.
48	Do we need to use GRS for feeders from utility transformer or can we use PVC 40. Note 3 on E600 calls for GRS, please clarify/confirm?	Electrical	07/30/24	See item #43 above.

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49	Lead times for the XERXES tanks are 40 to 50 weeks out after approvals. This significantly impacts the schedule and construction timeline as well. Is there an alternate or equal to that doesn't have a significant lead time?	Civil	07/31/24	Alternate tanks with shorter lead times are acceptable. Contractor must submit proposed tank alternative to engineer for review and approval as alternate tank shape and size could have impacts to pavement extents and proposed tank layout. Alternate tanks must be capable of providing the entire required containment volume of 262,155 gallons. The requirements and/or design of a ballast slab are to be determined and provided by the tank manufacturer.
50	What is the estimated anticipated containment tank calculation	Fire	07/31/24	Below is the new estimated anticipated containment tank calculation: Minimum Sprinkler Water Supply Requirements: 15000 Sq ft x 17 GPM/SQ FT (5679gpm) = 3,060.00 GPM (45 MIN = 255555) with column heads Gulfstream G550 - fuel (6600gal) = 6,600.00 gallons Overhead Foam Generator (2267 gpm) =2267.00 GPM - (12 MIN = 27,204) TOTAL WATER DEMAND = 262,155 GALLONS OF CONTAINMENT Dependent on actual flows from actual fire sprinkler shop drawings by installing contractor
51	Is there a proprietary Fire Alarm system or if there is an existing vendor already. The vendor they listed on the specs and the FA drawings can only quote the flame detectors and cannot provide a full fire alarm system.	Fire	07/31/24	There is no propreietary fire alarm system. The vendor in the specs is only for the flame detectors. Fire alarm sub contracotor shall coodinate with Viking for purchase and installation.
52	Site Concrete: Confirm Concrete PSI @ Concrete Apron, Sidewalk @ Curb	Civil	07/31/24	Sidewalk @ curb to have a 28-day compressive strength of 4,000 psi. Concrete Apron psi to be in accordance with Specifications P-501.
53	Site Concrete: Confirm Sidewalk & Curb Reinforcing	Civil	07/31/24	Per PANYNJ Detail, no reinforcing is required for sidewalk and curb.
54	Site Concrete: Confirm Sidewalk Thickness - 4" or 6"TK?	Civil	07/31/24	Sidewalk to be 6" thick.
55	Site Concrete: Confirm all reinforcing to be Black-Uncoated	Civil	07/31/24	Reinforcing to be in accordance with Sections 501-2.6 and 501-2.7 of Specifications P-501.
56	Does Industrial Vehicular Traffic Slab require Vapor Barrier underneath?	Structural	07/31/24	Yes.
57	Confirm all reinforcing to be Black-Uncoated	Structural	07/31/24	Confirmed.
58	Confirm if SOG @ Foot Traffic & Vehicular require Fiber Reinforcing? (Micro or Macro?)	Structural	07/31/24	Only office slab can have fibers as an alternate to WWF.

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59	Drawing A141 calls out the draft curtain's construction of 6" metal studs @ 2' oc in the hangar area. Please confirm who performs this scope of work (PEMB installers or carpentry package). No details for this work were provided. Please provide framing details and locations required.	Architectural	07/31/24	Draft curtains are under the PEMB scope. Draft curtains constructed with 8 1/2" girts clad with metal linear panels instead of metal studs.
60	Where corridors 103 & 104 meet, there is a ceiling height difference of 2'. Please provide a detail for this transition.	Architectural	07/31/24	Provide step down painted gyp. board fascia with 3-5/8" metal stud framing.
61	Concrete, please confirm the desired finishes for the Vehicular SOG. Does this slab requires any admixtures? such as Fibers, Corrosion inhibitor, Moisture Vapor reduction (MVRA), etc...	Structural	07/31/24	Structural engineer does not require any of the questioned materials. Architect to respond if any admixtures are required for their finishes.
62	Regarding the concrete finishes please confirm that we are using only one product - the lithium based densifier. we wont need any other product prior to this application such as a curing compound.	Structural	07/31/24	Architect to respond.
63	Drawing E010 notes 3 and 4 reference MUSCO lights. What is our scope? I assume these poles and FAA lights are furnished by others, please confirm? Are we installing or bringing power only? If installing, how big are these poles we have to set? We need the MUSCO BOM to know what we need to install and wiring need ran as well. Is this being tied to an existing Musco control system, or stand alone?	AED	07/31/24	Electrical scope of work is to provide power to MUSCO light fixture/controls and power to obstruction light. All other scope will be provided by and installed by MUSCO with coordination with GC for base requirements.
64	Specification 28 31 13 Section 2.14.O specifies device measurement signal and video output characteristics.The model VSF300 referenced in Section 2.14 does not have the capability of video output. If the video output is desired the infrared flame detector model will change to VSF301. Please advise.	Fire	08/01/24	VSF300 shall be used.
65	If the VSF301 infrared flame detector will be required, what are the video headend requirements?	Fire	08/01/24	VSF300 shall be used – contact Holland Smith in the specifications for a complete equipment list for flame detectors. This equipment shall connect to fire alarm system.
66	What is the manufacture and model of the existing site fire alarm system?	Yonkers/Fire	08/01/24	This is a new building - fire alarm panel shall be an addressable type. - abilty to have a releasign panel conntection for foam system. – contact Haight Fire Equipment and Supply in Newburg (https://www.haightfire.com/) for all of our fire extinguisher services
67	Please confirm the new fire alarm panel will not be connected to the existing site fire alarm system/network.	Yonkers/Fire	08/01/24	No one is aware there was a site fire alarm network.

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68	Please advise if room signage is required and if so, please provide parameters for us to price.	Yonkers	08/01/24	Room signage is provided by owner. It is not part of the RFP.
69	In the prebid meeting it was discussed that the interior of the Hangar received metal panels at a height of 6-8' approx. We cannot find this requirement in the drawings or in the RFP. Please clarify the desired scope.	PEMB	08/01/24	PEMB to confirm height and scope of work
70	Door schedule sheet A500: Doors # 111 and #112 are shown to be aluminum doors type F in hollow metal frames type 2. A: The basis of design aluminum doors is to be by YKK; YKK does not offer a flush door like that shown for type F. The specification(084113) calls for YKK 35XT which is a medium stile door, not a flush door. B: Should the door and frame be the same material? Aluminum doors in aluminum frames; please clarify if aluminum doors should have aluminum frames or if they are to be in hollow metal frames as shown on the schedule.	Architectural	08/02/24	Doors 111 and 112 should be wood doors in hollow metal frames.
71	Exterior Elevations sheet A202: West elevations shows (9) storefront systems; these storefronts are not shown on the Storefronts Elevation sheet A501. Please confirm these systems are to be included as storefronts.	Architectural	08/02/24	These are storefront clerestory windows installed in the PEMB framing, similar to details A1, A6, A10 on Sheet A511. Dimensions indicated on Sheet A202 with typical SF assembly at 5'-0" ht. x 21'-0" wide. (3) glass lite panels each with mullions spaced at 7'-0" o.c.
72	Floor Plan sheet A101: There appears to be (2) interior window openings located between Conf. #113 and Corridor #103 on either side of door #113; We were not able to locate an elevation of this location; Please clarify if these are windows(please provide size, frame & glazing types if required).	Architectural	08/02/24	These interior windows are single-glazed tempererd glass in storefront frames at 6'-0" wide x 5'-0" height (sill at 2'-0" a.f.f. and head at 7'-0" a.f.f.). Provide striped pattern frosted film on Conference Room windows and doors for visual privacy.
73	Floor Plan sheet A101: There appears to be window opening next to door #111(Flts. Ops. Office #111) and next to door #112(Maint. Office #112); Please clarify if these are windows(please provide size, frame and glazing types if required).	Architectural	08/02/24	These interior windows are single-glazed tempererd glass in storefront frames at 6'-0" wide x 5'-0" height (sill at 2'-0" a.f.f. and head at 7'-0" a.f.f.). Provide striped pattern frosted film for visual privacy.

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74	Floor Plan sheet A101: There appears to be window opening next to door #111(Flts. Ops. Office #111) and next to door #112(Maint. Office #112); Please clarify if these are windows(please provide size, frame and glazing types if required).	Architectural	08/02/24	These interior windows are single-glazed tempererd glass in storefront frames at 6'-0" wide x 5'-0" height (sill at 2'-0" a.f.f. and head at 7'-0" a.f.f.). Provide striped pattern frosted film for visual privacy.
75	Sheet A501 Storefront Elevations: they list SF6 and SF7 to have a 45 minute rating… they detail aluminum frames; aluminum is not a fire rated material.. these will have to be hollow metal or heat barrier systems(no spec for the later). Please clarify how to proceed with these 2 elevations.	Architectural	08/02/24	This was clarified on the previous RFI 15 to use 45 min. rated aluminum frame assembly Fire Frames Aluminum series (basis of design) or equal. It is a steel subframe with aluminum caps. Here is link to the website: https://www.fireglass.com/products/framing/aluminum/
76	There are no specs for the site sewer pipe. Need to know the type of pipe.	Mechanical	08/02/24	Sanitary sewer pipe is to be PVC, in accordance with PANYNJ Division 22 Section 221312 "Exterior Sanitary Sewer Gravity System".
77	The sewer detail 8 on sheet C905 shows the sewer pipe with a concrete cradle noted continuous. This seems excessive. Is all the site sewer set in a concrete cradle? If not set in concrete can a trench detail be provided showing the bedding type and thickness and the trench backfill materials.	Civil	08/02/24	No. Concrete cradle not required. Trench detail for storm, water, and sanitary can be found on detail 5 Sheet C902. Backfill material to be in compliance with PANYNJ Division 31, Section 312323 Excavation, Backfilling and Filling.
78	What is the strength of the concrete for the cradle.	Civil	08/02/24	Concrete cradle will not be required.
79	Can a water trench detail be provided showing bedding type and backfill material for the trench	Civil	08/02/24	Trench detail for storm, water, and sanitary can be found on detail 5 Sheet C902. Backfill material to be in compliance with PANYNJ Division 31, Section 312323 Excavation, Backfilling and Filling.
80	The storm pipe detail 5 on sheet C902 does not call out the pipe type. The backfill material is not noted in this detail in the spec. Are we backfilling with excavated material?	Civil	08/02/24	Storm pipe is to be Corrugated Polypropylene Pipe. Backfill material to be in compliance with PANYNJ Division 31, Section 312323 Excavation, Backfilling and Filling.
81	On sheet c003 under Management of Excavated Materials notes 1 thru 8 discusses that all soil is contaminated non-hazardous historical fill. The pricing for the disposal of this type of material varies greatly. Can the owner either exclude these notes or give us a transport and disposal allowance per ton so the bids are comparable..	Civil	08/02/24	Signs of contamination were not observed or noted in the ANS Geotechnical Report. Disposal of contaminated material can be handled as a change order if required.
82	C601 and C602 show no piping details for the 4 tanks. Can the type of pipe and the plumbing layout be provided?	Civil	08/02/24	The type of pipe and plumbing associated with the underground storage tanks are to be determined by the tank manufacturer in coordination with the proposed plumbing plans.

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83	Detail 3/C901: concrete shows as 15” thick, but table on C903 call out thickened edge of concrete being 15” thick and balance of slab being 12” thick. Need clarification on actual thickness of heavy apron rigid pavement concrete.	Civil	08/02/24	Detail 3/C901 is correct. Concrete is 15". Thickened edge is to be 18.75".
84	Detail 1/C901: asphalt calls out 3” NYSDOT HMA 404. What specific materials is being required (top, binder, base, all 3….)? Next stratum down is NYSDOT crushed aggregate subbase course 302… this item does not exist. Is this supposed to be item 304, subbase?	Civil	08/02/24	The 3” HMA 404 is to consist of 1” 6.3 top course over 2” 9.5 top course. The next stratum is to be 8” bituminous stabilized course NYSDOT 302 with the 3rd stratum being 12” subbase course NYSDOT 304 option c type 2.
85	When the existing concrete footings are removed cand we backfill the void with excavated on site material.	Civil	08/02/24	Backfilling with excavated site material may be done in accordance with ANS Geotechnical Report Section 10.4 "Backfilling and Re-use of Native Soils" and Specification P-152.
86	Sheet A501 Storefront Elevations: they list SF6 and SF7 to have a 45-minute rating… they detail aluminum frames; aluminum is not a fire rated material.. these will have to be hollow metal or heat barrier systems(no spec for the later). Please clarify how to proceed with these 2 elevations.	Architectural	08/02/24	This was clarified on the previous RFI 15 to use 45 min. rated aluminum frame assembly Fire Frames Aluminum series (basis of design) or equal. It is a steel subframe with aluminum caps. Here is link to the website: https://www.fireglass.com/products/framing/aluminum/
87	Door #113 is shown at the interior (it does list glass type GL-1) but I assume as it states type FG and listed material is “Glass” that it may be an all glass door(for which there is no spec or direction).	Architectural	08/02/24	This is all-glass herculite double door with 48" long brushed stainless vertical pulls each side. Provide frosted film in striped pattern for visual privacy.
88	Please confirm if temperature controls for HVAC should be stand alone or networked system.	Mechanical	08/02/24	No BMS system specified, equipment shall have standalone control.
89	Please provide sequence of operations for Temperature Control BMS System.	Mechanical	08/02/24	No BMS system specified, equipment shall have standalone control.
90	As per A161 Finish Floor Plan, base for room #114 is given as RB-1. But as per detail E9/ A160.2 & spec 096723, there is 6" high integral cove base for epoxy. Please confirm there is 6" epoxy cove base in this room.	Architectural	08/05/24	yes
91	As per A160.2 Transition Details, detail E9 shows epoxy base detail & detail E12 shows epoxy cove base at wall tile. The scope are does not gets wall tile, so please confirm that the base detail E9 should be followed?	Architectural	08/05/24	Please refer to finish floor plan A161. Refer to room 114. Epoxy flooring with rubber base.
92	As per details A5 & E5/ A160.2, there is 3/8" thick terrazzo flooring. But terrazzo flooring is not found on the plans. Please confirm there is no terrazzo flooring in this project.	Architectural	08/05/24	We don't have terrazzo flooring on this project.

#	Description	Type	Date Submitted	Response
93	What is the thickness requirements for floor levelling under epoxy flooring?	Architectural	08/05/24	Per the resinous flooring spec. section 09 67 23.
94	The Geotech report recommends we excavate 18” below the bottom of the proposed footing and bring the grade backup with 18” of compacted structural fill wrapped in filter fabric. The structural prints did not discuss nor show this on the details, they have us excavating to the footing subgrade. Can you please clarify which approach we are to comply with.	Structural	08/05/24	Please follow the geotechnical report for all subgrade prep recommendations.
95	As per A161 Finish Floor Plan, base for room #114 is given as RB-1. But as per detail E9/ A160.2 & spec 096723, there is 6" high integral cove base for epoxy. Please confirm there is 6" epoxy cove base in this room?	Architectural	08/05/24	yes
96	As per A160.2 Transition Details, detail E9 shows epoxy base detail & detail E12 shows epoxy cove base at wall tile. The scope are does not gets wall tile, so please confirm that the base detail E9 should be followed?	Architectural	08/05/24	Please refer to finish floor plan A161. Refer to room 114. Epoxy flooring with rubber base.
97	As per details A5 & E5/ A160.2, there is 3/8" thick terrazzo flooring. But terrazzo flooring is not found on the plans. Please confirm there is no terrazzo flooring in this project?	Architectural	08/05/24	We don't have terrazzo flooring on this project.
98	What is the thickness requirements for floor leveling under epoxy flooring?	Architectural	08/05/24	Per the resinous flooring spec. section 09 67 23.
99	Is there an ansul system required for this job?	Mechanical	08/05/24	Yes as there is a grease hood in the kitchen but it not tied to the sprinkler system. See GH-1 Hood on the "Type 1 Hood Schedule" on Mechanical sheet M002. The hood system is tied to a module for the fire alarm system only.
100	A few more door openings call for frame details E10, so it is not clear if they need them as storefront or HM – please advise if these are storefront. 100A, 101B, 103A, 104B, 114B and 115A	Architectural	08/05/24	Storefront
101	Is there a spec for the roof screen louver panels shown on A13/A552? Is that being installed by the PEMB installer? The wall panels in 074213.13 don't match the profile shown on the drawings.	Architectural	08/05/24	Louver panels and secondary framing by GC.

#	Description	Type	Date Submitted	Response
102	On Sheet S-101 the hangar slab notes refer to the Geotech report for preparation. The Geotech on page 176 of book 2 says that all subgrades are to be undercut by 18” and brought back up with stone wrapped in separation fabric. The details for the structural do not show this and the Architectural wall sections do not show this. Can you please clarify which detail we are to follow for footing excavation and slab prep?	Structural	08/05/24	Please follow the geotechnical report for all subgrade prep recommendations.
103	There are no specs for the site sewer pipe. Need to know the type of pipe.	Civil	08/05/24	Sanitary sewer pipe is to be PVC, in accordance with PANYNJ Division 22 Section 221312 "Exterior Sanitary Sewer Gravity System".
104	The sewer detail 8 on sheet C905 shows the sewer pipe with a concrete cradle noted continuous. This seems excessive. Is all the site sewer set in a concrete cradle? If not set in concrete can a trench detail be provided showing the bedding type and thickness and the trench backfill materials.	Civil	08/05/24	No. Concrete cradle not required. Trench detail for storm, water, and sanitary can be found on detail 5 Sheet C902. Backfill material to be in compliance with PANYNJ Division 31, Section 312323 Excavation, Backfilling and Filling.
105	What is the strength of the concrete for the cradle.	Civil	08/05/24	Concrete cradle will not be required.
106	Do all utility structures receive the protective concrete slab as shown on detail 7/ C905.	Civil	08/05/24	No utility structures to have protective concrete slab.
107	Can a water trench detail be provided showing bedding type and backfill material for the trench.	Civil	08/05/24	Trench detail for storm, water, and sanitary can be found on detail 5 Sheet C902. Backfill material to be in compliance with PANYNJ Division 31, Section 312323 Excavation, Backfilling and Filling.
108	The storm pipe detail 5 on sheet C902 does not call out the pipe type. The backfill material is not noted in this detail in the spec. Are we backfilling with excavated material?	Civil	08/05/24	Storm pipe is to be Corrugated Polypropylene Pipe. Backfill material to be in compliance with PANYNJ Division 31, Section 312323 Excavation, Backfilling and Filling.
109	On sheet C003 under Management of Excavated Materials notes 1 thru 8 discusses that all soil is contaminated non-hazardous historical fill. The pricing for the disposal of this type of material varies greatly. Can the owner either exclude these notes or give us a transport and disposal allowance per ton so the bids are comparable.	Civil	08/05/24	Signs of contamination were not observed or noted in the ANS Geotechnical Report. Disposal of contaminated material can be handled as a change order if required.
110	C601 and C602 show no piping details for the 4 tanks. Can the type of pipe and the plumbing layout be provided?	Civil	08/05/24	The type of pipe and plumbing associated with the underground storage tanks are to be determined by the tank manufacturer in coordination with the proposed plumbing plans.

#	Description	Type	Date Submitted	Response
111	Detail 3/C901: concrete shows as 15” thick, but table on C903 call out thickened edge of concrete being 15” thick and balance of slab being 12” thick. Need clarification on actual thickness of heavy apron rigid pavement concrete.	Civil	08/05/24	Detail 3/C901 is correct. Concrete is 15". Thickened edge is to be 18.75".
112	When the existing concrete footings are removed cand we backfill the void with excavated on site material.	Structural	08/05/24	Geotechnical engineer is to respond.
113	13.Questions below from the tank manufacturer if they need the UL1316 listing / certification, then the limitations for construction are: -All connections must be top centerline, no side or dome connections. -Maximum size for a FRP Flange directly on tank shell is 8” Plans call out 20” DIP -We can do larger nozzles on man-way covers, 10”, man-way directly on tank shell. -Maximum burial for a 12” UL listed tank is 7’ of cover, no deep burial. In terms of what this means for this project, the options are as follows: 1.Get an exemption for the inlets and outlets for the 20” horizontal flanges so that nothing changes design wise and the AFFF can flow directly from one tank to the others. This is the most cost effective and easiest solution. Every other aspect of the tank aside of the inlet and overflow would be built to UL 1316. 2.To make the tanks UL 1316 compliant. What this requires is for us to add an extra manway at each end of the tank, and put (2) 10” flanges in each manway cover. While on it’s surface it doesn’t sound like too much, it means that you will have to branch the 20” ductile iron pipe at the first tank to (2) 10” pipes. Also, doing this adds 18” worth of elevation to your inlet connection just to the top of the vertical flange (you would then still need to 90 this piping horizontally which would require even more elevation. Since we cannot go deeper than 7’ of cover per UL 1316 then the elevation of the pipe leaving the building would have to go up by a minimum of 2.5 feet.	Civil	08/05/24	Noted. Provide tank as required to meet UL. Price to meet option 2 as the exemption can't be verified at this time.