



MEMORANDUM NO. 1

To: All Bidders for All Bid Packages

From: Mark Sedensky, Preconstruction Manager
O & G Industries, Inc.

Subject: Ocean Avenue Learning Academy
New London, Connecticut
State Project No. 245-0089 SP/A
O&G Project No. 2013400

Date: January 18, 2022

Listed below are further clarifications and/or revisions to the contract documents. The contents of this Memorandum will be included in the contract of the successful contractor. This Memorandum does not have to be acknowledged on the bid form.

REVISIONS TO SPECIFICATIONS

1. Section 00 24 13 - Bid Packages

- a. Bid Package 1.09b – Flooring

II. SPECIAL INSTRUCTIONS

Replace Special Instruction #18 as follows:

18. The flooring contractor shall include in his base bid, hydraulic cement underlayment at 1/4" at all new flooring surfaces.

- b. Bid Package 1.16 – Electrical

II. SPECIAL INSTRUCTIONS

Add the following Special Instruction:

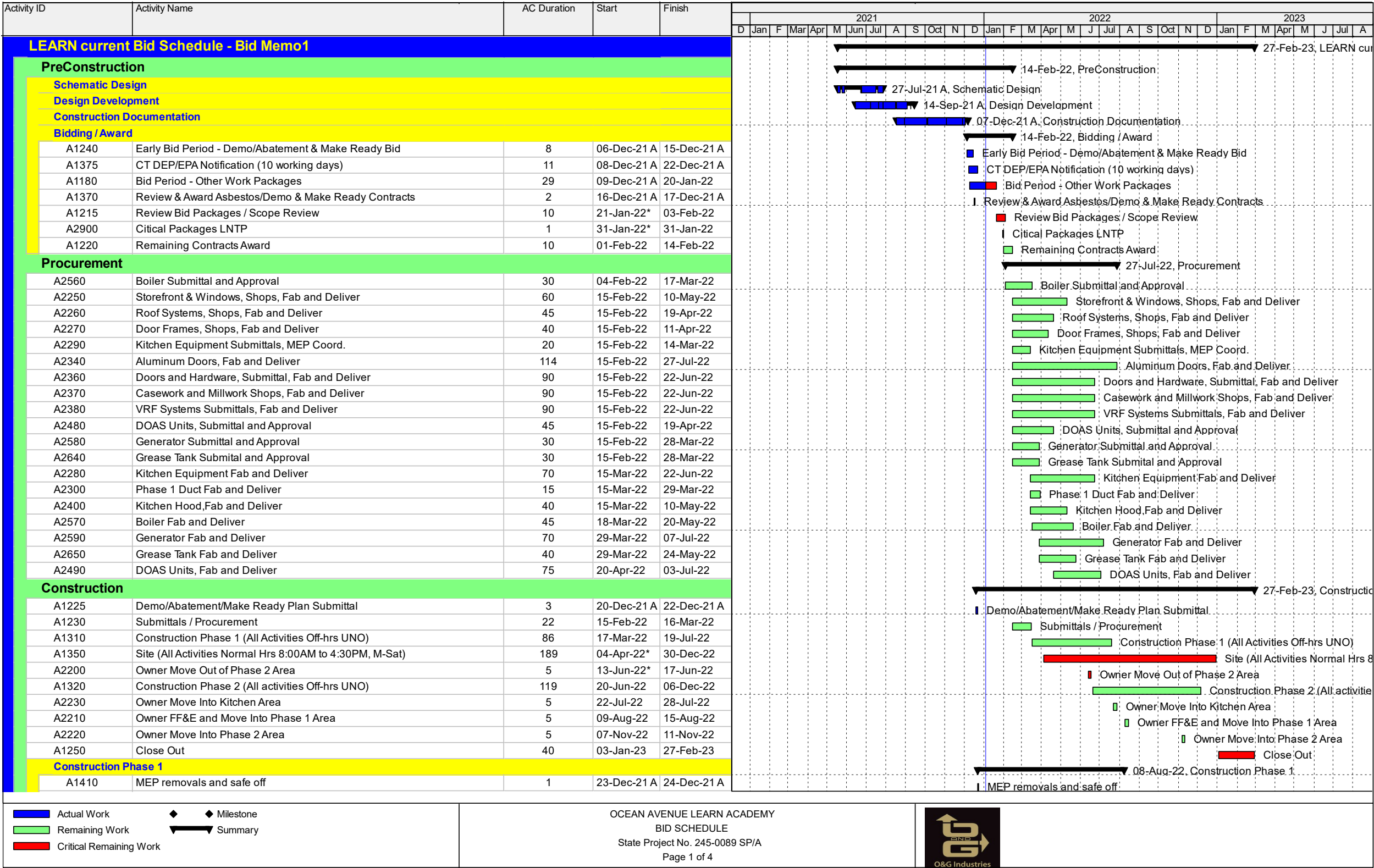
48. All bidders for the security and fire alarm system should consider engaging the Owner's current security and fire alarm service company to perform their work. Bidders are strongly encouraged to visit the building prior to bid submission to quantify this work. The owners current service company for Security is ISS (Ron Wadsworth 860-442-2626 or 860-460-3146). The installing/service company of the existing Fire Alarm panel is TPC (Jason 203-623-4016).

2. Section 00 42 00 – Form of Proposal
 - a. Replace page 4 with revised page, attached to this Memorandum No. 1.
3. Section 00 63 13 – Prebid Requests for Information
 - a. Attached to this Memorandum No. 1 are previously unanswered or adjusted CM Prebid RFI Nos. 15, 33, 34, 35, 56, 58, 59, 60, 61, 64, 74, 77, 82, 84, 85, 89, 90, 91, 92, 93, 94, 95, 96, 97. All information contained in these responses is to be used by all contractors in the preparation of their bids and will form part of their scope of work.
4. Section 01 50 00 – Construction Controls and Temporary Facilities
 - a. Replace Section in its entirety with revised Section, attached to this Memorandum No. 1.
5. Section 00 31 13 – Project Schedule and Phasing
 - a. Replace Project Schedule pages 8 thru 12 with revised pages 8 thru 11, attached to this Memorandum No. 1.

ATTACHMENTS TO ADDENDUM

<u>Specifications</u>	<u>Pages</u>
Section 00 31 13 – Revised Project Schedule and Phasing Plans	4
Section 00 42 00 - Form of Proposal, revised Page 4	1
Section 00 63 13 - Prebid Requests for Information (RFI) Log	3
Section 01 50 00 - Construction Controls and Temporary Facilities	8

END OF MEMORANDUM NO. 1



Ocean Avenue LEARning Academy
New London, CT

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Tecton Project #LRN03AR

UNIT PRICES - A unit price is an amount proposed by Bidders and stated on the Bid Form as a price per unit of measurement for materials or services that will be added to or deducted from the Contract Sum by Change Order in the event the project Scope of Work is altered. All Unit Prices shall include all cost to complete the Work to the representative contractor, including all charges for materials, labor, plant, equipment, additional insurance, taxes and all charges of whatever kind.

The stated unit prices shall apply whether the work is added or deducted to the Trade Contractor's Contract.

All items marked with an asterisk (*) shall include the completion of the excavation, formation and compaction of the subgrade; and the disposal of rock or surplus material in accordance with the Plans and Specifications or as directed by the Architect. All items marked with two asterisks (**) shall include the completion of the excavation, removal, disposal and replacement of unsuitable material with structural fill.

Item No.	Description	Amount
Bid Package 1.02 – Sitework		
12	Temporary 4' high orange snow fencing (installed, maintained, removed, installed in 50' increments)	\$ /LF
13	Mas rock excavation	\$ /CY
14	Trench rock excavation	\$ /CY
Bid Package 1.09a – Drywall & Acoustical		
1	Type ACT-1 ceiling tile replacement	\$ /EA
2	Type ACT-2 ceiling tile replacement	\$ /EA
Bid Package 1.13 – Fire Protection		
3	Concealed sprinkler head with 10' of branch pipe	\$ /EA
4	Upright sprinkler head with 10' of branch pipe	\$ /EA
Bid Package 1.16 - Electrical		
5	Duplex receptacle (include 150 LF of wiring) in existing construction	\$ /EA
6	Duplex receptacle (include 150 LF of wiring) in new construction	\$ /EA
7	Quad receptacle (include 150 LF of wiring) in existing construction	\$ /EA
8	Quad receptacle (include 150 LF of wiring) in new construction	\$ /EA
9	Tele/data outlet (include 150 LF of wiring) in existing construction	\$ /EA
10	Tele/data outlet (include 150 LF of wiring) in new construction	\$ /EA
11	Ceiling-mounted/single-sided lighted exit sign (include 30 LF of conduit and wiring)	\$ /EA

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
15	1.07b		Please confirm no asbestos at roof level.	<i>Assume all flat areas in scope of work and flashing mastics at roof penetrations and interseecting/abutting roof mastics are asbestos containing.</i>
33	1.16		Drawing E0.00 General Note #35, does this note only pertain to the areas in this contracts scope of work and not the entire building?	<i>To address the requirements of General Note #35 fairly between all bidders a \$2,500 allowance for this requirement should be included. This will provide blanket coverage for the building proper.</i>
34	1.16		Could you please fix the notes on Drawing EL 1.01, they are overlapping and cannot be read?	<i>See CES Addendum 1 (O&G Addendum 4).</i>
35	1.16		Could you please provide the manufacturer of the existing switchboard?	<i>Existing switchboard: General Electric Req. No. 0628093759; Job No. 151243824-0010</i>
56	1.03, 1.09a, 1.08		<ol style="list-style-type: none"> Pages in drawings are listed as alternates, however, there are no Alternates spec section (01 23 00). Please advise. Please confirm if opening 114 is a wood door on an aluminum frame. Please define the type of power transfer hardware which will be used for Opening 101 and 137. Are the fire extinguishers in the kitchens new or existing to remain? There are no Robe Hooks (Q1) listed in the bathrooms. Please clarify locations. There are no Sanitary Napkin Disposals and/or Sanitary Napkin Dispensers in Women/Unisex Restrooms. Are they required? 	<ol style="list-style-type: none"> See RFI #5 response THIS DOOR SHALL BE ALUMINUM WITH GLASS. DOOR SCHEDULE TO BE CORRECTED. PROVIDE ONE NEW K-TYPE FIRE EXTINGUISHER IN EACH OF THE KITCHENS. WET-CHEMICAL TYPE: UL-RATED 2-A:K, 2.5 GAL. NOMINAL CAPACITY, WITH POTASSIUM CARBONATE-BASED CHEMICAL IN STAINLESS STEEL CONTAINER; WITH PRESSURE INDICATING GAGE. INCLUDE A CLASS K PLACARD AT EACH LOCATION IN SIZE AND WORDING DEFINED IN NFPA 10. AT SINGLE TOILET ROOMS PROVIDE ROBE HOOK ON DOOR AT INTERIOR SIDE OF ROOM. AT MULTI STALL TOILET ROOMS, PROVIDE ROBE HOOKS AT TOILET STALL DOORS AT INTERIOR SIDE OF STALLS. PROVIDE SANITARY NAPKINS DISPENSERS in womens and unisex restrooms.
58	1.07a		<ol style="list-style-type: none"> Firestop scope line 17 & 18 both of which are the same. Who is responsible for firestopping the tops of walls? RFI: Spec section 1.05 Quality Assurance. The job has FM Global 4991 requirements. Would this eliminate NHFS from bidding on this project? RFI: Spec section 2.01 Manufacturers. I would like to request firestop caulk manufacturer Metacaulk be added to the list of firestop companies for this project. 	<ol style="list-style-type: none"> <i>See revised instruction in Addendum 5. Firestopping at tops of walls is by 1.07a Firestopping</i> <i>This requirement can be waived. All installations shall be reviewed by AHJ and Owners Testing lab as required.</i> <i>The product appears suitable. Bidders to confirm that the proposed substitution meets all specification requirements and is equal to the basis of design product.</i>
59	1.07a		1) RFI: Spec section 1.05 Quality Assurance. The job has FM Global 4991 requirements. Can this requirement be waived as most CT bidders do not hold this certification?	<i>1. This requirement can be waived. All installations shall be reviewed by AHJ and Owners Testing lab as required.</i>
60	1.02, 1.03		<ol style="list-style-type: none"> The General Trades contractor is responsible for all concrete work shown on the Architectural Drawings. The Sitework contractor is responsible for all exterior concrete work shown on the Site Work drawings. Who is responsible for the housekeeping pads shown in the Mechanical drawings? Who is responsible for the Barn Door? Please provide specifications with a Basis of Design for the Barn Door and it's hardware. Please provide an elevation drawing of the Barn Door. 	<ol style="list-style-type: none"> <i>1.03 General Trades</i> <i>See revised instruction and previous RFI reponse</i> <i>Door shall be custom fabricated by millworker. Premanufactured products can be submitted for approval provided they mee the design intent.</i> <i>SEE SHEET A9.10</i>
61	All		There are no Liquidated damages amounts listed in the specification.	<i>See 00 31 13 PROJECT SCHEDULE AND PHASING 6. b.. "In the event the Trade Contractor does not meet the time requirements set forth in the time schedule to its work, the Trade Contractor will be assessed Liquidated Damages at the rate of \$1,000.00 a day for each day completion is delayed."</i>
64	1.15		<ol style="list-style-type: none"> Is there more information to fill in the panel schedules that are empty? Can we run conduit and wire in the N.I.C portion of the floors? 	<ol style="list-style-type: none"> <i>Revisions to panel schedules that include new and existing to be reconnected work will be added to schedules in CES Addendum #1.</i> <i>YES. IF THE ROUTE IS THE MOST VIABLE AND MOST COST EFFECTIVE.</i>
74	All		<ol style="list-style-type: none"> The alternate #1 Ceiling change doesn't seem to match up in rooms 101, 147 & 113. The Library 103 ceiling fixtures doesn't to match up. In spec 26 05 19 Power Conductors Lists an alternate for Aluminum Conductors <ol style="list-style-type: none"> 1.1. D. Bid Alternate – Provide aluminum conductors for service conductors and panel feeders for sizes #4AWG and larger. <p>I don't see this listed</p>	<ol style="list-style-type: none"> <i>The correct fixture (F) the surface mounted hexagon light.</i> <i>Spec 26 05 19 shall be modified to remove the alternate aluminum requirement.</i>
77	1.15, 1.16		<ol style="list-style-type: none"> Spec Section 230993 3.18 Item 6. Calls of electric metering/monitoring and totalization of several electric meters that will be provided and installed by the Div. 26 Electrical Contractor. Please provide quantities and locations for each of the meters listed: <ol style="list-style-type: none"> Meter Total Building Electrical Load. Meter Lighting Panelboards Meter Power Panelboards Meter General Purpose Panelboards Meter Elevator Spec Section 230993 3.15 Item B. Calls for the monitoring of parking lot photocells provided and installed for the Div. 26 Electrical Contractor. Please provide quantities and locations for each of the photocells. Will it be the responsibility of the Div. 26 Electrical Contractor to pull the required photocell monitoring wiring back into the building or will it be the Div. 23 ATC Contractor pulling the wiring. This scope should include all required end devices, conduit and wiring. 	<ol style="list-style-type: none"> <i>Remove Section 23 09 93, Part 3, Article 3.15 - Lighting Controls Interlock, and Article 3.18 - Utility Metering in their entirety. Electrical meter monitoring and lighting control interlocks are not required.</i> <i>Work under specification section 23 09 93, Part 3, Article 3.15 - Lighting Controls Interlock is no longer required.</i> <i>Work under specification section 23 09 93, Part 3, Article 3.15 - Lighting Controls Interlock is no longer required.</i>

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
82	All		<p>1. Does the Owner have a preferred vendor for either the existing Fire Alarm or Security Systems in the Building ?</p> <p>2. Refer to previous RFI 11 notes Saturday requirements deleted from Scopes. However there is also requirements per Spec 003113 2. e. Please advise if these requirements are still valid to this Project.</p> <p>3. Spec 015000 please advise are there any temporary heating equipment that will require electrical connections ?</p> <p>4. Spec 015000 indicated a CM trailer but there is none shown on the logistics plans. Please confirm no CM trailer is being provided or needs to have utility services connected ?</p>	<p>1. To be provide via Memo.</p> <p>2. See revised bid instruction in Addendum #4</p> <p>3. Intent is to maintain existing heat plant throughout project, revised instruction to be issued via Memo.</p> <p>3. No CM trailer, revised instruction to be issued via Memo.</p>
84	1.16, 1.16a		<p>Furnish all labor, material and equipment necessary to complete all work that is described in the following Sections of the Specifications, or is shown on the drawings and relates to one of the following Specification Sections but is not referenced in a Specification Section. This Scope of Work also includes any work indicated on the Drawings to be completed by this Trade Contractor unless modified by addendum, Paragraph II (Special Instructions) or Paragraph III (Exclusions):</p> <p>So in short they own there systems complete?</p> <p>So on T5.00 TELECOMMUNICATIONS FACEPLATE & CABLING SCHEDULE, it's has back boxes by Division 26? Who own CAT 6 cabling to cameras?</p>	<p>1. Complete.</p> <p>2. T5.00 TELECOMMUNICATIONS FACEPLATE & CABLING SCHEDULE - Backboxes/conduits by Division 26; cabling infrastructure by Div 27.</p> <p>3. Div 27 owns Cat 6 cabling to camera locations.</p>
85	1.02		<p>1.Logistics Plan appears to advise Sitework Contactor to carry 200' of Temp Fence Panels (No Gates or Fence Height Indicated) to be relocated as needed. It appears that more than 200' will be required based on locations shown on Logistics plan. 01 50 00 CONSTRUCTION CONTROLS AND TEMPORARY FACILITIES calls for 8' driven with scrim. Please clarify quantity, type, size, gates, etc.</p> <p>2.Sitework Scope Note 21 States: Referring to details on drawings, it shall be the responsibility of the sitework contractor to furnish and install all under-slab drainage as shown on the structural drawings. It shall also be the responsibility of the sitework contractor to furnish and install the 3/4" stone below new floor slabs as shown in this detail. It shall be the responsibility of the concrete contractor to furnish and install the vapor barrier. There are no structural drawings provided. Please clarify Sitework scope regarding under slab work.</p> <p>3.Drawing C1.04 states to establish subgrade for both playgrounds and to coordinate grades with manufacturer. Please provide a detail/section for the playground or clarify scope of work for playground areas.</p>	<p>1. Revised 01 50 00 will be issued via Memo. Driven posts and site fencing will not be required. Moveable chanin link fence to be 6' height with ballast (no scrim). The fence will be installed as directed/required at and around work areas for student safety.</p> <p>2. Instructions removed Addendum 4</p> <p>3. Site contractor to remove 6" of existing and compact area. Subbase material and playscape finish surface to be suppliedd by Playscape Contractor. Coordination with playscape vendor will occur during construction.</p>
89	1.02		<p>1.Sheet C1.04- With regard to the playground areas please explain how these areas are to be handled or specific scope for the site contractor. There are no proposed grades shown or details to leave areas at "subgrade". Please clarify extent of work.</p> <p>2.Please confirm that permanent fencing is excluded from the sitework scope of work.</p> <p>3.Please confirm or clarify there is proposed fencing surrounding the southern proposed playground area. There is no call out or notes shown.</p> <p>4.Can you please clarify or confirm there is no interior work in the building for the site contractor? If there is please identify the work areas.</p> <p>5.Please clarify what bid package owns timber guardrail.</p> <p>6.Please clarify where to find the specifications for timber guardrail.</p> <p>7.Sheet A6., DETAIL F6- please confirm waterproofing and concrete not by site contractor.</p>	<p>1. Site contractor to remove 6" of existing and compact area. Subbase material and playscape finish surface to be suppliedd by Playscape Contractor. Coordination with playscape vendor will occur during construction.</p> <p>2. Refer to C1.03 for limits of proposed fencing. Existing boundary fence is to remain existing, new fencing is proposed at locations of condensing units.</p> <p>3. There is no proposed fencing surrounding the southern playground area, the rectangle shown is the approximate limit of work where subgrade will need to be established.</p> <p>4. There is no interior work for the site contractor.</p> <p>5. 1.02 Sitework</p> <p>6. Refer to specification section 32 30 53 Timber Guide Rail</p> <p>7. See revised instruction</p>
90	1.15		<p>Bid Package 1.15 Item #29 reads "Unless specifically noted otherwise, demolition shall be as follows -----The HVAC contractor will be responsible for all demolition shown on MD1.01 and MD1.02."</p> <p>On Drawing MD1.02 there are approximately 10 Duct Risers shown on this drawing. Drawing Note MD1 reads "REMOVE ALL EXISTING HVAC SYSTEMS AND ASSOCIATED COMPONENTS AND APPURTENANCES SERVING THE UPPER LEVEL, INCLUDING, BUT NOT LIMITED TO EXHAUST FANS, AIR HANDLING UNITS, DUCTWORK, AIR INLETS AND OUTLETS, FIN TUBE RADIATION, CABINET UNIT HEATERS, CONVECTORS, CONTROL DEVICES, REFRIGERANT PIPING, AND HEATING HOT WATER PIPING."</p> <p>Is the extend of the ductwork demolition the amount that is shown on the drawing or is there additional ductwork that is not shown? The bid package description makes it seam that it is limited to what is shown. Please advise</p>	<p>No, ductwork risers shown on the drawings is to show location for coordination only. Ductwork extends throughout the second floor and will need to be removed. Existing drawings are available that show the extent of the existing ductwork distribution throughout the second floor. Contractor shall visit the site and field verify the extent of ductwork demolition.</p>

RFI #	Bid Package	Ref: Drawing / Spec Section	Question	Response
91	1.16		<p>1.EL1.02 shows 1 "A2-18" Fixture at Stairway 156, this Fixture is not listed in Fixture Schedule. Is this Fixture supposed to be in the schedule or is it a different Fixture?</p> <p>2.General Note 35 states for "ETR" to be Re-lamped, cleaned, tested and lens replaced, but there is no mention of Lamp type, color, lens type or QTY in each fixture. Could you please provide the missing information?</p> <p>3.Are "ETR" Exit signs and EM wall packs to apply to General note 35 also for the batteries?</p> <p>4.There is no lighting control shown in Toilet 106. What is the Control?</p> <p>5.EL1.02 shows an "S3" at Stairway 156 but there is no switch leg Shown. Where is the other "S3"?</p> <p>6. E5.00 Lighting control Detail #3 show the use of daylight sensors and states to refer to the floor plans for QTY but there is no symbol for the Daylight sensors in the symbols list or on the floor Plan. Can you confirm Qty</p>	<p>1. Please incorporate (1) A2-18 that matches the series of A2 fixtures within the corridor (A2-6, A2-24). The A2-18 is the same spec, just 18'-0" long. A spec for A2-18 will be added to the lighting fixture schedule.</p> <p>2. To address the requirements of General Note #35 fairly between all bidders a \$2,500 allowance for this requirement should be included. This will provide blanket coverage for the building proper.</p> <p>3. Exit signs and emergency lights would need to conform to #2 above where applicable.</p> <p>4. Toilet Room 106 should receive a wall mounted occupancy sensor type switch, similar to Room 128/129 with keyed note "E2".</p> <p>5. The accompanying S3 is located adjacent to Vestibule 100.</p> <p>6. Daylight sensors shall be provided per the following list: Room 145 - (1) sensor placed near the storefront windows/doors.</p>
92	1.03		I have a question on the difference between the base bid and alternate add at the Cafetorium 145 East Wall. They both refer to the same sections which show 12" deep bookcases. Is one painted battens on the wall and alternate painted bookcases? On K8 on 7.21 it calls for bookcases only at the shaded areas. In the corridor the add is for adding battens to the wall? Please advise.	Refer to section K9/A6.10 for base bid section. The Add Alternate introduces the wood battens at the walls and between bookcases. Also, note that in Add Alternate the bookcases only occur at the areas shaded in Gray. Otherwise it shall be painted gyp. bd where no shading is shown.
93	1.16		<p>1. In reference to CLS Addendum #1 dated January 5, 2022, Page 3 Sheet EL1.02 and Sheet EL1.02A. These two items added (3) lighting alternates to the bid, but there are no spaces on the bid form. Will you be issuing a revised bid form?</p> <p>2. With regard to the lighting alternates Sheet EL1.02A, General Note #2 states the alternate fixtures shall be Beam 4 Recessed Series", could you please provide the fixture designation from the fixture schedule or provide the manufacturer and catalogue number?</p> <p>3. The Specifications Table of Contents list Section 01 23 00 Alternate but this section is missing from the documents, could you please provide this section?</p>	<p>1. There is no alternate specification section 01 23 00. There is one alternate on the project as follows: Provide decorative wood battens at select wall and ceiling locations.</p> <p>2. TWO FIXTURE LENGTHS ARE INDICATED ON DRAWING EL1.02A: 6'-0" AND 18'-0". THE FIXTURE TYPE FOR 6'-0" IS TYPE H6; THE FIXTURE TYPE FOR 18'-0" IS TYPE H18.</p> <p>3. There is no alternate specification section 01 23 00.</p>
94	1.16		looking at addendum 4 alternate drawing EL1.02A and there is no fixture designations. Please advise.	1. TWO FIXTURE LENGTHS ARE INDICATED ON DRAWING EL1.02A: 6'-0" AND 18'-0". THE FIXTURE TYPE FOR 6'-0" IS TYPE H6; THE FIXTURE TYPE FOR 18'-0" IS TYPE H18.
95	1.03		Can the manufacturer and size of the existing lockers be provided. Hard to price up 4" z-base if we don't know the brand and size of the existing. Please advise.	The existing lockers are Hollowell. The lockers have an existing base, modify/reuse the existing base. Photos attached to Memo1
96	1.03		<p>1)Repair/replace damaged brick on the chimney? Typically counts for brick replacement are provided for this type of work. Otherwise, we will have to assume the entire chimney has to be rebuilt.</p> <p>2)Same note at the former front entry stairs, "repoint as necessary, so all of it will be carried.</p> <p>3)On elevation E12/A5.11 it appears that there a brick infill? There is nothing shown on the demo or lower-level plan for this. What is that?</p>	<p>1. Assume 50% repointing</p> <p>2. Assume 50% repointing</p> <p>3. Meant to show existing construction at this location. Assume No masonry work at this infill area."</p>
97	1.03, 1.09a, 1.09b		Please confirm which package carries the supply / hanging of the tile backer board panels. Specification section 09 31 00, 2.01 Tile Backing Panels.	1.09a Flooring



SECTION 01 50 00 – CONSTRUCTION CONTROLS AND TEMPORARY FACILITIES**GENERAL**

- a. The Drawings, General Conditions, Supplementary General Conditions and Division 1, General Requirements, are a part of this Section and shall be binding on the contractor and/or subcontractor who performs this work. Note also all Addenda.

SCOPE OF THE WORK

- a. Trade contractors shall provide each and every manner of temporary structure and means of operation as required and herein specified to expedite construction phases properly and safely:
 1. Temporary Field Office Buildings
 2. Storage Facilities and Parking
 3. Weather Protection
 4. Temporary Water Service
 5. Temporary Electrical Service
 6. Temporary Sanitary Services
 7. Temporary Heat and Ventilation
 8. Temporary Telephone, Data and Internet Access Service
 9. Temporary Fire Protection
 10. Scaffolding and Staging
 11. Security
 12. Lifting Devices and Hoisting Facilities
 13. Project Sign
 14. Site Logistics and Temporary Partitions Plans
 15. Construction Controls
 16. Survey
 17. Fire Alarm and Fire Protection Maintenance
 18. Familiarity of Site Responsibilities

1. Temporary Field Office Buildings

- a. The Construction Manager will not have an office trailer on site and will occupy an office space inside the existing building.
- b. Due to space limitations, no trade contractors will be allowed an office trailer on site.

2. Storage Facilities and Parking

- a. Due to space limitations, only the general trades, plumbing, electrical and HVAC contractors will be allowed one (1) 20' Conex box.
- b. Storage areas on the project site shall be in locations as directed by the Construction Manager and shall be relocated as necessary to maintain phased construction and schedule set by the Construction Manager.
- c. Parking is limited on site during occupied school hours. Contractors should plan to use the adjacent Toby May Park vehicle parking areas as required.

3. Weather Protection

- a. Each trade contractor shall provide protection against weather at all times so as to maintain all work, materials, apparatus and fixtures free from injury or damages. At the end of the day's work, all new work likely to be damaged shall be covered or otherwise protected as required. Wet work shall not be performed when temperature is below 40°F or is likely to go below 40°F within the ensuing forty-eight hours except when sufficient protective heat is provided and the CM's or Architect's approval in writing is obtained. Each trade contractor performing wet work is responsible to insure water does not pond or accumulate within the building, and to provide temporary drainage and/or pumping necessary to keep excavations, pits and trenches free of water and to prevent ponding of water within or adjacent to the structure or in traveled paths outside of the building.
- b. If low temperatures make it impossible to continue operations safely in spite of cold weather precautions, each affected contractor shall cease work and shall so notify Construction Manager. Any lost time must be made up without additional cost to the Owner, in order to maintain the construction schedule. Open fires are not permitted on the site.

4. Temporary Water Service

- a. The sitework contractor shall obtain a water meter/hydrant valve for use on a site hydrant for all sitework and site-related environmental conditions. The existing and permanent domestic water services will be used for all other water used on the project.
- b. The plumbing contractor shall provide and maintain the temporary construction water supply off the permanent domestic water system for his needs and that of all other trades, including the abatement, masonry and concrete contractors, for areas of work within the existing building.
- c. Each trade contractor shall provide drinking water for his personnel at project site. The furnishing of paper cups is the responsibility of the individual trade contractors.
- d. The plumbing contractor will make temporary provisions during each phase to provide domestic water hookups for use by all other trades.

5. Temporary Electrical Service

- a. The electrical contractor shall provide temporary lighting and power in accordance with this Section. All trade contractors are responsible for any electrical power needed for powering their equipment above 120-volt convenience power that is being provided for hand tools.
- b. The temporary electrical service is not to be used for hoists, cranes and welders. Should any contractor require electric service for these items, they must coordinate this with the Construction Manager and pay all costs.

- c. All temporary service routing must be approved by Construction Manager before installation.
 - d. The electrical contractor shall provide all temporary light and distribution equipment as required for his own work and work of all trades, with the exception of the abatement and demolition contractor, who is responsible for temporary lighting within the containment areas.
 - e. The electrical contractor shall provide and pay for all maintenance, servicing, operation and supervision of the services and distribution facilities, including lamps and wiring for all temporary construction lighting. Temporary power and light shall be made available for all trades 24 hours per day, 7 days per week without additional payment to the electrical contractor.
 - f. Until the permanent lights are installed, the electrical contractor shall provide temporary lighting to illuminate the work areas of all trade contractors per OSHA requirements. Any illumination levels required in excess of the OSHA requirements are the responsibility of the trade contractor requiring the additional lighting.
 - g. The electrical contractor shall install and maintain at each area of the work a feeder or feeders of sufficient capacity for requirements of the entire area and provide a sufficient number of outlets, located at convenient points, so that extension cords of not over 50 feet in length will reach all areas of the work requiring temporary light and power. Ground-fault protection shall be provided and meet all electrical codes and OSHA requirements.
 - h. Each trade contractor shall furnish all extension cords, sockets, lamps, motors, and accessories required for the execution of his work. Each trade contractor shall be responsible for electrical service for his own field office.
6. Temporary Sanitary Services
- a. All temporary sanitary services will be provided by the general trades contractor. ***An allowance has been established for these costs.*** The general trades contractor shall be allowed a 10% markup on the direct costs for coordinating and insuring adequate facilities are available and maintained.
 - b. The general trades contractor shall have each temporary toilet unit cleaned and sanitized twice per week and supplies replenished as required. Each unit will be pumped out two times a week. The cost for this service will be paid for from the allowance stated in 6a above.
 - c. The general trades contractor shall provide temporary hand washing stations at a ratio of one per every five temporary toilet facilities. The general trades contractor will have each unit cleaned and inspected twice per week with soap and paper towels replenished as required. The cost for this service will be paid for from the allowance stated in 6a above.
7. Temporary Heat and Ventilation
- a. In the renovation areas, the HVAC contractor shall utilize the existing heating and cooling system, modified as required, to provide appropriate heating and fresh air to maintain space conditions and air quality for both construction and existing occupied spaces.
 - b. Temporary Heat Equipment:

- i. Use of gasoline-burning space heaters, open-flame heaters, or salamander-type heating units is prohibited.
 - ii. Permanent HVAC System - If the Owner authorizes use of the permanent HVAC system for temporary use in the renovation areas during construction, the HVAC contractor shall provide a filter with a minimum MERV of 13 at each return air grille in the system and remove each filter at the end of construction. Following removal, the HVAC contractor shall provide a duct cleanliness inspection and report and cleaning if required by the Engineer or Owner.
- c. A minimum temperature of 55°F shall be maintained throughout the new structure and areas in the existing building while being renovated. The HVAC contractor shall provide all temporary controls and/or stand by personnel necessary to meet the requirements of the local authorities (Building Department and Fire Department).
 - d. The HVAC contractor is responsible for heating, ventilation and humidity control in all areas of construction until they are substantially complete or accepted by the Owner for FF&E installation. The HVAC contractor shall have the option of providing temporary unit heaters and ventilators or using the permanent heating system on a temporary basis.
 - e. The HVAC contractor shall provide adequate ventilation and dehumidification in all areas of construction for material stored within the existing building at all times to prevent damage caused by humidity and moisture.
 - f. If new heating or ventilating systems are used for temporary requirements, such use shall not effect equipment warranties. Warranties shall commence as specified elsewhere in applicable sections of the specifications.
 - g. The enclosures and temporary heat for exterior masonry and cement board cladding, including installation of air vapor membranes and sealants, is the responsibility of the trade contractor requiring the temperature or environmental conditions.

8. Temporary Telephone, Data and Internet Access Service

- a. Each trade contractor shall include in his bid the cost of providing a smart phone for each of his supervisory personnel.

9. Temporary Fire Protection

- a. Each trade contractor shall provide and maintain in good operating condition suitable and adequate fire protection equipment and services, and shall comply with all reasonable recommendations regarding fire protection made by the representatives of the fire insurance company carrying insurance on the work or by the local fire chief or Fire Marshal.

10. Scaffolding and Staging

- a. Each contractor shall furnish, erect and maintain staging and scaffolding (exterior and interior) for their use during construction activities. Staging shall be erected and removed by experienced staging builders, and shall conform to Federal, State and Local requirements. Each

contractor is required to comply with all OSHA regulations for Scaffolding, reference Rider B contained in Section 00 52 00. Upon completion of his work, each contractor shall dismantle and remove his staging and scaffolding.

11. Security

- a. Each trade contractor shall take all reasonable precautions necessary to prevent loss or damage caused by vandalism, theft, burglary, or pilferage of property located within the limit of work.
- b. The sitework contractor shall provide "No Trespassing" signs on all perimeter fencing at maximum 100' spacing.

12. Lifting Devices and Hoisting Facilities

- a. Each contractor shall provide cranes, hoists, and other lifting devices necessary for proper and efficient movement of his materials. Provide trained operating personnel required for the equipment. Provide proper guys, bracing, and other safety devices as required by Local and State Codes. Remove hoisting equipment when no longer needed.

13. Project Sign

- a. The general trades contractor shall furnish and install a project sign. The sign shall have a white background, shall have a rendering of the new school (artwork file provided by the Architect) and black lettering with same basic information included on the Project Sign sketch enclosed in this section. The exact layout of wording shall be approved by the Architect. Sign material shall be appropriate for the application of the artwork and exposure to the elements for a 30-month duration and if necessary, mounted to a 3/4" thick 4'x8' sheet of CDX plywood painted white. Sign shall be installed using two 4'x4' posts painted white.

14. Site Logistics and Temporary Partitions Plans

- a. The Site Logistics, Fencing and Temporary Power Sketches are included at the end of this section.
- b. The sitework contractor shall provide temporary paths as approved by the LAHJ out of any egress doors as required in order to provide smooth transition to existing grades, new grades or areas designated as areas of refuge.

15. Construction Controls

- a. All trade contractors shall perform their work in compliance with Section 01 81 20 - Construction Indoor Air Quality (IAQ) Management Program prepared by O&G Industries included in the bid documents. O&G Industries will conduct a pre-construction conference to explain this IAQ Program and familiarize all trade contractors of their duties for meeting the goals of the program during construction. The trades referenced herein are responsible for providing the following specific items:
 1. The HVAC contractor is responsible for section 01 81 20-6.1, 6.3b.1 and 6.3b.2.
 2. The drywall contractor is responsible for 01 81 20-6.3b.3 and is responsible to seal off and maintain separation between each construction area and the occupied areas, including providing air brakes (vestibules) at all entry points into the construction areas.

3. The general trades contractor is responsible for 01 81 20-6.4 and shall provide sufficient quantity of negative air machines as determined by the Construction Manager to keep each interior construction area under negative pressure.

16. Survey

- a. The sitework contractor will establish a base line and an elevation bench mark at the site for their work, the sitework contractor shall provide a survey containing the control points for this baseline and their relationship to the grid lines of the work. Each trade contractor is responsible for their own surveying and layout as needed to complete their contractual scope of work. Two baselines (one in each direction N-S and E-W) will be provided as control for all layout to be based from. These baselines will also include vertical control.
- b. Each trade Contractor shall be responsible for all layout/measurements that may be required for execution of their work to the exact position and elevation as prescribed in the specifications, shown on the drawings, or as the same may be modified at the direction of the Architect to meet changed conditions or as result of modification to the Contract.
- c. The Architect/Construction Manager may require that construction work be suspended at any time when location and limit marks established by any trade contractor are not reasonably adequate to permit checking completed work or the work in progress.

17. Fire Alarm and Fire Protection Maintenance

- a. Any trade contractor whose work disrupts the existing fire alarm, fire sprinkler or alarm monitoring services in the building is responsible for providing a fire watch as required by the Fire Marshal.

18. Familiarity of Site Responsibilities

- a. It is the duty and responsibility of each Trade Contractor to visit the site and familiarize and verify all existing conditions.
- b. Prior to application of materials included in the various sections so noted, the installer, the manufacturer's representative, and the trade contractor shall together examine the building and surfaces upon which materials are to be supplied.
- c. The installer and the manufacturer's representative shall accept all surfaces and conditions affecting proper installation of their materials. The installer shall not proceed with the work until all conditions and surfaces are satisfactory to him. Proceeding with his work is an acknowledgment by the Trade Contractor of acceptance of the surface and condition of the substrate for application of their work.
- d. Each respective Trade Contractor shall take all necessary field measurements prior to fabrication and installation of work and shall assume complete responsibility for accuracy of same.
- e. Each Trade Contractor shall ascertain the location of all electrical cables, conduit, utility lines, oil tanks, supply lines, sewer, water lines and drains whether or not exposed to view, and take proper precautions not to disturb any existing utilities that are to remain in use.

- f. Should any utility line be discovered or uncovered during the work, the Trade Contractor shall promptly notify the Construction Manager in writing.
- g. All Trade Contractors shall be held responsible for any utility lines damaged during the process of any of their respective work under the Contract.

END OF SECTION

Project Sign

FORM SCG-3021

8'-0"

Tecton Project #LRN03AR

01 50 00

Ocean Avenue LEARning Academy
New London, CT

Memorandum No. 1, January 18, 2022

State Project No. 2015-0089
October 1, 2021

	NAME OF THE PROJECT State Project Number 000-0000 XYZ	Town Seal
Constructed in Partnership		
STATE OF CONNECTICUT NED LAMONT, GOVERNOR		
Department of Administrative Services Josh Geballe, Commissioner		
and the Name of Town/City Name and Title of Chief Elected Official		
Architect	Project Manager	Construction Manager

SIGN PANEL: 3/4" MDO-EXT-APA PLYWOOD SUPPORTED WITH (2) 4X4 TREATED WOOD COLUMNS AND SECURED 4' INTO GRADE. TOP OF SIGN AT 8'-0" ABOVE GRADE.
COLORS: ALL LETTERS AND SYMBOLS ARE TO BE ROYAL BLUE. THE BACKGROUND WILL BE WHITE ENAMEL. BACK OF PLYWOOD AND SUPPORT STRUCTURE SHALL BE PAINTED MATTE BLACK.
TYPEFACE: HELVETICA MEDIUM
LOCATION: SIGN MUST BE LOCATED TO BE CLEARLY VISIBLE TO THE PUBLIC.
TIMING: INSTALL AT THE START OF CONSTRUCTION AND REMOVE AT CONSTRUCTION COMPLETION.