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# Addendum #03 (Re-Bid)

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East Hartford Wickham Library Renovations  
July 22, 2021

## Clarifications

- 1.) Note – Addendums #1 and #2 were from the original bid in 2019 and were included as part of the bid documents for the JULY 2021 Re-Bid. This Addendum (#03) is NEW.
- 2.) The bid day we remain as originally published.
- 3.) The bid date and place are unchanged by this bulletin.
- 4.) In addition to M/W/DisBE contractors; bids from SBE Contractors will be accepted for Bid Package 02, Demo & Abatement.
- 5.) Note that the Fire Protection scope of work has been removed from bid packages 06, General Trades & 23, Mechanical & Plumbing. For clarity purposes a revised bid package for 23, Mechanical & Plumbing is attached to this addendum which crosses out overlapping fire protection scope. A separate bid package for 21, Fire Protection ONLY has been generated and is attached to this addendum. If a bidder would like to provide a combined bid for both bid packages 21 and 23, they MUST submit individual bids for each package in addition to the combined bid. Otherwise, stand-alone bids will be accepted/reviewed for Bid Packages 21 (Fire Protection) & 23 (Mechanical & Plumbing).
- 6.) Replace Notes 23.51, 23.52 and 31.27 with: The Site Contractor shall run the new utilities withing five feet of the building. The Fire Protection service from that point into the building is the responsibility of the Fire Protection Contractor. The Fire Protection Contractor shall include a cap and temporary valve for testing and flushing. The Domestic Water service from that point is the responsibility of the Mechanical & Plumbing Contractor. The Mechanical & Plumbing Contractor shall include a cap and temporary valve for testing and flushing. The Site Contractor shall chlorinate, flush & test the water lines in accordance with Water Company's requirements. Include chlorination whenever an existing line is relocated. All Water and Sewer Utility Company fees shall be the responsibility of the Site Contractor.
- 7.) Clarification to Bid Package Notes 02.13, 06.46, 23.34 & 26.15:
  - “It is the responsibility of the MEFP Contractors to mark out walls, ceilings, floors, finishes etc. that require cutting/trenching/removal for access to install **and/or remove/demo** piping, conduit, wiring, devices, ductwork, dampers etc. It is the responsibility of the Demolition Contractor to abate (as required) and remove all materials to facilitate this work. It is the responsibility of the General Trades contractor to patch/repair/replace upon completion of the **Demo &** MEFP contractor's work. Any millwork, trim, finishes etc. required to be salvaged and re-used should be removed, prior to demolition and re-installed by the General Trades Contractor. It is the General Trade Contractor's responsibility to re-install or replace removed finishes, drywall, plaster etc.”
- 8.) All wood framing, TJI's, LVL's, sheathing etc. are the responsibility of the General Trades Contractor. New pockets/supports in CMU walls should be laid out by the General Trades Contractor and built by the Mason. New

Pockets/supports in framed walls should be built by the General Trades Contractor. Any pockets that need to be made in the existing structure and/or any demo that is needed to facilitate tie in of the new structure into the addition is the responsibility of the General Trades Contractor. Any work (including demo) associated with tying the new structure into the existing is the responsibility of the General Trades Contractor.

- 9.) All demo and/or modifications required to facilitate tie-in of the new roofing assembly to the existing will be the responsibility of the General Trades Contractor.

**Attachments**

1. Pre-Bid Agenda, 2 pages
2. Pre-Bid Sign-In Sheet, 3 Pages
3. New Bid Package 21, Fire Protection, 6 Pages
4. Revised Bid Package 23, Mechanical & Plumbing, 10 Pages
5. Update RFI Log, 5 Pages



## Wickham Memorial Library Renovations and Addition

656 Burnside Avenue  
East Hartford, CT

### Pre-Bid Agenda

July 14, 2021 9:00 AM

1. Sign in.
2. Introductions.
3. Project Description: The work consists of an existing 4,900 SF building which includes select demolition, interior renovation, building envelope modifications, a 1,500 SF addition and related site work and site improvements.
4. Contract format - Newfield Construction is Construction Manager at risk. The trade contracts will be held by Newfield. Refer to Division 0 for the Form of Agreement between the Construction Manager and Trade Contractor. No contract modifications will be allowed.
5. Special Project Conditions- See Section 00 53 00 – Special Project Condition Requirements for Meetings, Supervision, Safety, Extra Work, Cleaning, Change Order Procedures, Payment Application Procedures.
6. Contractor Insurance Requirements- See Section 00 72 23 General Conditions of the Contract. A Certificate of Insurance must be submitted and approved prior to commencing work.
7. Bonds- Bid Bonds or bid security are not required. 100% Performance and Payment Bond are to be included in the base bid.
8. CHRO Goal Requirements – Each Trade Contractor is to award its sub-contracts and suppliers at a minimum of 25% SBE/MBE/WBE/DBE of which 6.25% needs to be MBE/WBE/DBE of their total contract.
9. Bidder requirements- Prior experience of no less than 3 similar size projects within five years. Workers Compensation EMR 1.0 or less, including all tiers of subcontractors. All bidders must submit current DAS Certificate with update along with their bid. See Instructions to Bidders Section 00 02 20 for further clarifications and qualifications.
10. **Bids are due Wednesday, July 28<sup>th</sup>, 2021 by 2:00 PM at the office of the Purchasing Agent, Town Hall 740 Main Street, East Hartford CT 06108, at which time they will be opened publicly.**
11. **Bid Forms- Submit one original and two (2) copies of the following fully executed forms:**
  - a. Bid Proposal Form- (Section 00 02 40)
  - b. DAS Contractor Prequalification Certificate **and** Update Statements are required.
  - c. AIA A305 Qualification Statement



12. This is a prevailing wage project.
13. Bid documents available through Newfield Construction, Inc. email [rickkoczera@newfieldconstruction.com](mailto:rickkoczera@newfieldconstruction.com).
14. Taxes- Project is sales tax exempt. All out of state (non-resident) contractors must furnish the Construction Manager with a Certificate of Compliance with Connecticut General Statutes Section 12-430(7) (Guarantee Bonds for Unemployment Compensation and Sales & Use Taxes) from the Connecticut Department of Revenue Services.
15. Permits- Trade Contractor's performing the work will obtain the appropriate permits and utilities releases. All trades normally requiring permits must obtain permits. Fees will be paid for by the owner.
16. Send all pre bid requests for information to Newfield Construction: Email: [alexdagostino@newfieldconstruction.com](mailto:alexdagostino@newfieldconstruction.com). **The cut off for pre bid inquiries is - 4:00 PM; July 15, 2021 to [rickkoczera@newfieldconstuction.com](mailto:rickkoczera@newfieldconstuction.com).**
17. Questions and answers.
18. Building and site tour available after pre-bid.



Wickham Memorial Library Renovations and Addition  
 656 Burnside Avenue  
 East Hartford, CT  
 Newfield Project # 914  
 July 14, 2021 @ 9:00 AM

|    | Company                          | Name             | Telephone               | Email                                | Bid Package |
|----|----------------------------------|------------------|-------------------------|--------------------------------------|-------------|
| 1  | NEWFIELD                         | STEVE BUCCHERI   | 860<br>944-6740         | stavebuchi@newfieldconstruction.com  | CM          |
| 2  | JE Shea Elec                     | HARRY SHEA       | 860<br>621 7709 ext 304 | harry@jechelectrical.com             | 26          |
| 3  | Ray Gulum                        |                  |                         |                                      |             |
| 4  | Sarazin GC                       | Ray Gulum        | 860<br>456 4576         | Raygulum@sarazin.com                 | GT Demo     |
| 5  | Mercy Communications             | Dean Proto       | 203-623-9806            | Dean.Proto@mercury-group.com         | OM 26       |
| 6  | Pelletier Builders               | Bob Heston       | 860-747-6688            | BobHeston@pelletier.com              | 26          |
| 7  | Garino Builders                  | Rich Maslit      | 860 627<br>6670         | rich@enfieldbuilders.com             | GT          |
| 8  | SUMMIT MASONRY                   | John Amuda       | 860-551-6229            | JohnAmuda@summit-masonry.com         | Masonry     |
| 9  | WJM Fire Protection              | Bryan Shanahan   | 203-555-9413            | Bryan.Shanahan@wjmfp.us              |             |
| 10 | Silver Petrucci Assoc            | Glenn Davis      | 203-230-9000            | Glenn.Davis@silverpetrucci.com       |             |
| 11 | Kromberger & Sons Construction   | Tom Loveless     | 860-347-4600            | Thomas@krombergersons.com            | GC          |
| 12 | Sound Mech.                      | Joe Addematto    | 860-377-0798            | Joe@sound-mech.com                   | FM          |
| 13 | Albera Construction              | Vivian Albera    | 860-698-8270            | vivian.albera@alberaconstruction.com | net.        |
| 14 | Industrial Electric Construction | Michael Marquis  | 860 519 8312            | mmarquis@iec-ct.com                  |             |
| 15 | Sarazin General Contractors      | Jonathan Sygrove | 860-456-4576            | jsygrove@sarazin.com                 | GT & Demo   |

BANTON ELECTRICAL  
 861-223-1466  
 JOE WILKINS  
 jwilkins@bantontconstruction.com  
 ELEC

July 14, 2021 @ 9:00 AM



|    | Company                   | Name                      | Telephone       | Email                            | Bid Package   |
|----|---------------------------|---------------------------|-----------------|----------------------------------|---------------|
| 16 | E. C. I.                  | Jim Bonk                  | 860-549-1222    | Jim@ECIINCORPORATED.COM          |               |
| 17 | Noble Construction        | Ken Biega                 | 860-767-7971    | Ken@noblecmaessen.com            |               |
| 18 | Prime Electric LLC        | Byron Beausoleil          | 860-889-0023    | byron@primeelectricllc.com       |               |
| 19 | Horizon Services          | Ten Seelers               | 860-796-9161    | ten@horizon-services.com         |               |
| 20 | Constitution Development  | Joe Motta                 | 203-489-0229    | bids@constitutiondevelopment.com |               |
| 21 | Capasso Restoration       | Steve Sheffielde          | 203-259-0055    | Steve@capassorestoration.com     |               |
| 22 | H.E. Butler Const.        | Brian Gonsorz             | 860-372-3880    | BG@HEBUTLERCONSTRUCTION.COM      |               |
| 23 | Oscar's Abatement LLC     | Kevin Arden               | 860-296-7452    | arabatement@aol.com              |               |
| 24 | NEWS LLC                  | Vincent Gannon            | 860-982-7433    | INFO@NEWSLLC.NET                 |               |
| 25 | G. Donnon Associates      | Jonathan Pueblo           | 860-6078187     | Jonathan@gdnonn.com              | GT            |
| 26 | <del>Michael Gannon</del> |                           |                 |                                  |               |
| 27 | <del>Michael Gannon</del> |                           |                 |                                  |               |
| 28 | <del>Michael Gannon</del> |                           |                 |                                  |               |
| 29 | MCM Acoustics             | Franc Williams            | 860-959-2820/42 | Fwilliams@mcmacoustics.com       | General Trade |
| 30 | MCM Acoustics             | <del>Franc Williams</del> |                 |                                  |               |



|    | Company                    | Name                | Telephone    | Email                          | Bid Package    |
|----|----------------------------|---------------------|--------------|--------------------------------|----------------|
| 31 | MCM Acoustics              | Michael Gullmore    | 860 869-3272 | m.gullmore@mcmaoustics.com     | General Trade  |
| 32 | MCM Acoustics              | Michael Gullmore JK |              | MJG@mcmaoustics.com            | General Trades |
| 33 | GE construction MBE        | Angel Mohr          | 860 978694   | geconst11c@gmail.com           |                |
| 34 | A & B concrete LLC MBE     | Angel Mohr          | 860 978694   | geconst11c@gmail.com           |                |
| 35 | New York City Servs        | George J. Wilke     | 860 859-3628 | newyorkclearing.com            | Yahoo.com      |
| 36 | SAV. MOB Casting & Heating | Troy Karwowski      | 860 621-9959 | troy@savmorect.com             |                |
| 37 | MCM Acoustics              | Isaac Warner        | 860 282-0442 | i.warner@mcmaoustics.com       | GT             |
| 38 | Downes Construction        | Mike Dell'Acio      | 860 5301370  | mdellac@downesco.com           | OPM            |
| 39 | KYLE EVANS WEM             | KYLE EVANS          | 203 3191761  | KYLE.EVANS@WEMFFS.US           | FP             |
| 40 | Elite Fire Protection      | Joe Brooker         | 860-527-2127 | Joe@EliteFireProtectionLLC.com | FP             |
| 41 | Rosemarie Steinhilber      | ATC                 | 860 830 8508 | ATC11c860@gmail.com            |                |
| 42 |                            |                     |              |                                |                |
| 43 |                            |                     |              |                                |                |
| 44 |                            |                     |              |                                |                |
| 45 |                            |                     |              |                                |                |

**BID PACKAGES**

**WICKHAM MEMORIAL LIBRARY  
RENOVATIONS AND ADDITION  
656 BURNSIDE AVENUE  
EAST HARTFORD, CT 06108**

S/P+A PROJECT NO. 17.322

**I. BID PACKAGE 21 – FIRE PROTECTION**

**DIVISION 00 – BIDDING & CONTRACT REQUIREMENTS**

This Bid Package Includes all 00 Sections

**DIVISION 00 – BIDDING & CONTRACT REQUIREMENTS**

This Bid Package Includes all 01 Sections

**DIVISION 7 – THERMAL AND MOISTURE PROTECTION**

|                |                          |
|----------------|--------------------------|
| Section 078413 | Penetration Firestopping |
| Section 079200 | Joint Sealants           |

**DIVISION 8 – OPENING**

|                |                         |
|----------------|-------------------------|
| Section 083113 | Access Doors and Frames |
|----------------|-------------------------|

**DIVISION 21 – FIRE SUPPRESSION**

|                |  |
|----------------|--|
| Section 210513 | Common Motor Requirements for Fire Suppression Equipment |
| Section 210517 | Sleeves and Sleeve Seals for Fire-Suppression Piping     |
| Section 210518 | Escutcheons for Fire-Suppression Piping                  |
| Section 210523 | General Duty Valves for Fire-Protection Piping           |
| Section 210548 | Vibration and Seismic Controls for FS Piping & Equipment |
| Section 210553 | Identification for Fire-Suppression Piping and Equipment |
| Section 211100 | FP-Fire Service Piping                                   |
| Section 211119 | Fire Department Connections                              |
| Section 211316 | Dry Pipe Sprinkler Systems                               |

**Bid Package Notes:**

- 21.01** The Trade Contractor shall be aware that the completion of this project in accordance with the Construction Schedule is critical to the City of East Hartford. The Construction Schedule shall be strictly adhered to. The Contractor shall supply the necessary resources to attain the dates put forth in the Construction Schedule. Changes to the schedule during construction will not be grounds for any change orders or claims.
- 21.02** A full time, English speaking superintendent must be on site when work is being performed.
- 21.03** Work must be performed such that safe access and required egress to the building and work areas are maintained.
- 21.04** This Trade Contractor is required to familiarize themselves with existing conditions and items to remain prior to commencing with this scope of work. Every effort is expected to be made NOT to damage the existing conditions. This Trade Contractor will be responsible for repair and/or replacement of any damage attributable to this scope of work.



- 21.05** This Trade Contractor is responsible for all Contract Drawing Notes, Key Notes and General Notes, as they relate to this Trade Contractor scope of work. This Trade Contractor is responsible for all related specifications as they relate to this scope of work, regardless of whether or not the Specification is noted above.
- 21.06** This Trade Contractor shall provide OSHA required fall arrest or prevention systems and any and all PPE to their employees, required to perform their work.
- 21.07** This Trade Contractor shall abide by OSHA regulations for Silica Dust exposure. **No Dry Cutting/Drilling** of masonry products will be allowed. The Trade Contractor is responsible for the control of construction dust in and outside the construction areas specific to their scope of work. The Trade Contractor shall employ whatever means and methods deemed necessary to control its trade specific dust.
- 21.08** Dumpsters: The Site Construction Contractor shall include dumpsters/hauling/disposal for the site demolition scope of work. The Demolition Contractor shall include dumpsters for the demolition/abatement scope of work. The Demolition Contractor shall carry the proper dumpsters/containers for proper disposal of hazardous and/or recyclable materials. The General Trades Contractor shall include general debris dumpsters for use by all trades and masonry dumpsters for the mason's use. All Trade Contractors are responsible to discard their general construction debris in the dumpster.
- 21.09** This Trade Contractor is required to clean up their work spaces at the end of each day. All trash, excess material, debris, packaging, scraps etc. should be removed from the site and placed in the dumpsters provided by the general trade contractor. Large material packaging and pallets should be broken down prior to disposal. Work areas shall be swept at the end of the day and kept clean and organized. Excess material should be located in the designated laydown areas on the site. Minimal on-site storage for materials will be available. All large deliveries MUST be coordinated with Newfield's Superintendent a minimum of 48hrs in advance.
- 21.10** This Trade Contractor is responsible for all submittals, shop drawings, calculations, samples and mock-ups that may be required as part of this scope of work.
- 21.11** The Mechanical Contractor shall provide temporary heat for the building. A minimum of 60 degrees shall be maintained throughout all areas of the building during all phases of construction. During drywall and finish activities, a minimum temperature of 70 degrees must be maintained through-out all areas of the building at all times. The Electrical Contractor shall provide wiring for the temporary heating units. Energy usage for the temporary heat described above will be paid by the Owner. All other temporary heat and protection above and beyond shall be furnished and installed by the Trade Contractor requiring the heat. This includes, but is not limited to the Concrete and Masonry Contractors. A written plan of action must be drafted & submitted to the Construction Manager for approval, prior to proceeding. All systems must be OSHA compliant and approved by the local fire marshal. The General Trades Contractor is responsible for humidity control utilizing portable dehumidifiers for all work areas from the commencement of drywall finish activities through the completion of the project. Relative humidity levels must be maintained at or below 45% or greater if the specifications require. Include all necessary fuel and utility consumption costs.
- 21.12** The site contractor is responsible for clearing snow from the project site, sidewalks, roadways,

laydown areas etc. It is the trade contractor's responsibility to remove snow in and on the building to facilitate their work including but not limited to the roof, staging, framing, slabs etc.

- 21.13** Trade Contractors requiring access doors for their associated work are to furnish access doors; lay out and coordination is the responsibility of the Trade Contractor requiring the access. This Trade Contractor is responsible for providing access doors and frames (including fire rated doors as necessary) as shown on the drawings, for all scopes of work within their package. Installation of access doors will be by applicable trade contractor (masonry, drywall, concrete). All access doors on the project will be sole sourced from the same manufacturer.
- 21.14** This Trade Contractor is responsible to continuously record the progress of their work. This Trade Contractor shall provide copies of the "As-Built" status of their work. Satisfactory "As-Built" progress drawings shall be a condition for continued requisition payments. Also refer to the Instructions to Trade Contractor for additional information regarding "As-Built" requirements.
- 21.15** The Mechanical & Plumbing Contractor shall provide any and all coordination with the Electrical/Fire Protection Trade Contractors relative to control of the HVAC system during Fire Alarm situations. This shall specifically include any and all meetings, drawings, tests, etc. required to provide a completely coordinated and fully functional HVAC/Fire Control System.
- 21.16** This Trade Contractor is required to touch-up all factory finished surfaces which are scratched, bare or become rusty due to shop coating errors, inadequate protection or storage, careless erection procedures, etc., all to the satisfaction of the Architect, Construction Manager and Owner.
- 21.17** Penetrations in concrete walls, slabs, ceilings, roofs etc. shall be the responsibility of the trade contractor requiring the opening and should be coordinated with the contractor performing the wall, roof, floor etc. construction. All utilities shall be sleeved or core bored through concrete walls. Sleeves shall be turned over to the concrete contractor by the trade requiring the penetration. Sleeves through decks to receive concrete shall be rigid and capable of withstanding concrete placement and are to be filled with rigid insulation and secured to prevent concrete infiltration. Fire rated assemblies and or fire caulking of sleeves and penetrations shall be the responsibility of the trade requiring the opening. Sleeves should be marked with exact locations for the concrete contractor to place. Failure to coordinate any required penetration and or opening causing corrective to the compromised substrate shall be the responsibility of the Trade Contractor that required the opening and/or penetration. All cores and openings in floors shall be protected and appropriately marked by the trade creating the core or opening.
- 21.18** All Contractors performing work on the roof shall provide their own fall protection in accordance with OSHA standards.
- 21.19** All small roof penetrations (250 square inches or less), furnishing and setting of curbs shall be the responsibility of the trade contractor requiring such items. The Roofing Contractor will be responsible to flash in all such items. All pitch boxes shall be provided by the Roofing Contractor. Roof deck cutting is the responsibility of the Demo Contractor except for holes less than 250 square inches, which are the responsibility of the trade requiring the hole. Layout of openings cut by others is the responsibility of the trade requiring the opening.
- 21.20** This Trade Contractor is responsible for all penetration fire-stopping, including but not limited to,

fire-stopping and/or smoke-stopping all penetrations for any duct, pipe or conduit including associated protection and cleanup of penetrations as required etc. installed under this scope of work through a smoke or fire rated partition, wall, ceiling and/or floor. Furthermore this Trade Contractor agrees that they will comply with utilizing a standard fire-stopping and smoke-stopping manufacturer agreed to by all pertinent trades, as it relates to the execution of this Scope of Work, in accordance with Specification Section 07 8413 Penetration Fire-stopping and the Contract Documents.

- 21.21** The Mechanical/Electrical/Plumbing/Fire Protection/Fire Alarm/Communications Trade Contractors are responsible to cut, cap, drop & make safe all trade related and specific items to be demolished/removed within their scope of work. All equipment and facilities on the roof are to be removed from the roof, and placed on the site by the related M/E/P/FP/FA/C Trade Contractor. The Demolition Contractor is to remove dropped material from site.
- 21.22** It is the responsibility of the MEFP Contractors to mark out walls, ceilings, floors, finishes etc. that require cutting/trenching/removal for access to install piping, conduit, wiring, devices, ductwork, dampers etc. It is the responsibility of the Demolition Contractor to abate (as required) and remove all materials to facilitate this work. It is the responsibility of the General Trades contractor to patch/repair/replace upon completion of the MEFP contractor's work. Any millwork, trim, finishes etc. required to be salvaged and re-used should be removed, prior to demolition and re-installed by the General Trades Contractor. It is the General Trade Contractor's responsibility to re-install or replace removed finishes, drywall, plaster etc.
- 21.23** The Site Contractor is to include excavation, bedding and backfill for all under slab items in the new and existing building areas including, but not limited to footings, piers, underpinning, sanitary waste, storm, vent, water, heating, cooling, telecomm and electrical items. Sawcutting and concrete removal/disposal is the responsibility of the demo contractor. Layout/coordination for demo, sawcutting & excavation is the responsibility of the trade contractor installing the new work. Upon completion of the new work all slab infills are the responsibility of the concrete contractor.
- 21.24** Slab on Grade & Underground Utilities: Site Contractor is responsible for excavation, backfill and compaction of trenches required for underground utilities. M/E/P/FP/FA/C Contractors are responsible for all vertical and horizontal layout and installing their respective utilities.
- 21.25** The Site Contractor shall run the new utilities within five feet of the building. The Fire Protection service from that point into the building is the responsibility of the Fire Protection Contractor. The Fire Protection Contractor shall include a cap and temporary valve for testing and flushing. The Domestic Water service from that point is the responsibility of the Mechanical & Plumbing Contractor. The Mechanical & Plumbing Contractor shall include a cap and temporary valve for testing and flushing. The Site Contractor shall chlorinate, flush & test the water lines in accordance with Water Company's requirements. Include chlorination whenever an existing line is relocated. All Water and Sewer Utility Company fees shall be the responsibility of the Site Contractor.
- 21.26** The Mechanical/Electrical/Plumbing/Fire Protection/Fire Alarm/Communications Trade Contractors shall salvage owner items called to be salvaged, per the related trade. Construction Manager and Trade Contractor to coordinate with owner on a case-by-case basis.
- 21.27** This Trade Contractor shall provide all fittings and varying lengths of piping and similar conduits

required for the complete installation of the systems as required by the coordination drawing process whether or not such fittings and/or lengths and sizes were shown on the bidding documents.

- 21.28** This Trade Contractor is responsible for all building access and is to take note of access and make provisions to ensure that equipment will fit through permanent doorways and/or structure. Any work required to create openings or removal of doors/windows or walls in areas where equipment won't fit through existing openings shall be paid for by this Trade Contractor.
- 21.29** This Trade Contractor is responsible for all "Special Warranties", training start-up, required for this Scope of Work. Since permanent HVAC equipment will be utilized for temporary heating and/or cooling purposes, this this Trade Contractor shall include costs to provide Extended Warranties on all equipment so that the Full Warranty period starts at Project Substantial Completion. (for bidding purposes an additional 18 months). The Owner reserves the right to accept individual pieces of equipment or systems early. In these cases, the warranty shall begin at written acceptance by the Owner.
- 21.30** This Contractor is required to include the following allowances in addition to their scope of work: forty (40) sprinkler foreman hours and a \$3,000 material allowance.
- 21.31** Trade Contractors to provide delegated designs as designated in the Contract Documents. Delegated designs are to be per the basis-of-design and to be coordinated with other affected Trade Contractors. Delegated designs are not to directly or indirectly alter a scope of work based off the Contract Documents. If basis of design cannot be met without altering a scope of work, the case must be immediately brought to the attention of the Construction Manager.
- 21.32** Provide all required flow tests, engineered sealed calculations and drawings required for a complete Fire Protection system. Submit sealed calculations to State of Connecticut insurance carrier, building department and fire marshal's office.
- 21.33** This Contractor to furnish and install all tamper switches, flow and gate valves, pressure switches, post indicator valves, electric bells, fire-department connections for a complete Fire Protection system. The Electrical Contractor is to wire and interconnect all the Fire Protection valves, switches, bells to the fire alarm system.
- 21.34** The Fire Protection Contractor to coordinate locations of all piping, valves and equipment with other Trades, structural components, and architectural finishes.

The Mechanical Trade Contractor will act as gatekeeper of the coordination model during the entire coordination effort.

Each contractor shall model their systems and provide sufficient detail to enable accurate and complete clash detection prior to the start of Trade Contractor's work on site. At a minimum, coordination meetings shall occur weekly until final coordination is achieved and in no way shall delay the progress of the job.

Mechanical Trade Contractor will make available their server (or other means acceptable to all parties) that will enable all project parties to upload and download their respective shop drawing models during the coordination effort. When coordination models from each trade are uploaded, the Mechanical Trade Contractor will download and integrate all trade models into a consolidated

model.

After this, a clash report will be created to identify clashes and conflicts between trade systems, building structure, architectural elements, etc. A report will be issued to all trades and the CM for review, response, and correction.

Once all coordination efforts (by area) are completed and clashes resolved, the Mechanical Contractor shall produce a final set of coordination drawings as well as an integrated model for use and reference during construction.

Typical sequence of coordination, unless otherwise determined, shall be:

1. Duct layout
2. Pitched Pipe Layout
3. Plumbing
4. Fire Protection
5. Electrical
6. Communication
7. Miscellaneous

Each system shall use a specific color for ease of identification. All files shall have specific names assigned to track version and date of file per trade. The Mechanical Contractor is to determine color assignments and file naming requirements.

- 21.35** Fire Protection Contractor to include all required pipe, insulation, equipment, equipment insulation, jacketing, and identification markings required for Fire Protection systems.

**BID PACKAGES**

**WICKHAM MEMORIAL LIBRARY  
RENOVATIONS AND ADDITION  
656 BURNSIDE AVENUE  
EAST HARTFORD, CT 06108**

S/P+A PROJECT NO. 17.322

**I. BID PACKAGE 23 – ~~FIRE PROTECTION~~, MECHANICAL & PLUMBING**

DIVISION 00 – BIDDING & CONTRACT REQUIREMENTS

This Bid Package Includes all 00 Sections

DIVISION 00 – BIDDING & CONTRACT REQUIREMENTS

This Bid Package Includes all 01 Sections

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

Section 078413 Penetration Firestopping  
Section 079200 Joint Sealants

DIVISION 8 – OPENING

Section 083113 Access Doors and Frames

~~DIVISION 21 – FIRE SUPPRESSION~~

~~Section 210513 Common Motor Requirements for Fire Suppression Equipment  
Section 210517 Sleeves and Sleeve Seals for Fire Suppression Piping  
Section 210518 Escutcheons for Fire Suppression Piping  
Section 210523 General Duty Valves for Fire Protection Piping  
Section 210548 Vibration and Seismic Controls for FS Piping & Equipment  
Section 210553 Identification for Fire Suppression Piping and Equipment  
Section 211100 FP Fire Service Piping  
Section 211119 Fire Department Connections  
Section 211316 Dry Pipe Sprinkler Systems~~

DIVISION 22 – PLUMBING

Section 220516 Expansion Fittings and Loops for Plumbing Piping  
Section 220517 Sleeves and Sleeve Seals for Plumbing Piping  
Section 220518 Escutcheons for Plumbing Piping  
Section 220523.12 Ball Valves for Plumbing Piping  
Section 220529 Hangers and Supports for Plumbing Piping and Equipment  
Section 220548 Vibration and Seismic Controls for Plumbing Piping and Equipment  
Section 220553 Identification for Plumbing Piping and Equipment  
Section 220719 Plumbing Piping Insulation  
Section 221116 Domestic Water Piping  
Section 221119 Domestic Water Piping Specialties  
Section 221316 Sanitary Waste and Vent Piping  
Section 221319 Sanitary Waste Piping Specialties  
Section 223300 Electric, Domestic Water Heaters  
Section 224213.13 Commercial Water Closets  
Section 224216.13 Commercial Lavatories

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|                   |                        |
|-------------------|------------------------|
| Section 224216.16 | Commercial Sinks       |
| Section 224716    | Pressure Water Coolers |

DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING

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|----------------|--|
| Section 230000 | Basic Mechanical Requirements                      |
| Section 230517 | Sleeves and Sleeve Seals for HVAC Piping           |
| Section 230519 | Meters and Gages                                   |
| Section 230529 | Hangers and Supports for HVAC Piping and Equipment |
| Section 230548 | Vibration and Seismic Controls for HVAC            |
| Section 230553 | Identification for HVAC Piping and Equipment       |
| Section 230593 | Testing, Adjusting, and Balancing for HVAC         |
| Section 230713 | Duct Insulation                                    |
| Section 230719 | HVAC Piping Insulation                             |
| Section 230904 | Automatic Temperature Controls                     |
| Section 231123 | Facility Natural Gas Piping                        |
| Section 232113 | Hydronic Piping                                    |
| Section 232123 | Hydronic Pumps                                     |
| Section 232300 | Refrigerant Piping                                 |
| Section 233113 | Metal Ducts  |
| Section 233300 | Air Duct Accessories                               |
| Section 233423 | HVAC Power Ventilator                              |
| Section 233713 | Diffusers, Registers and Grilles                   |
| Section 235100 | Breechings, Chimneys and Stacks                    |
| Section 235216 | Condensing Boilers                                 |
| Section 237200 | Air to Air Energy Recovery Equipment               |
| Section 237435 | Condensing Heat Pump Units                         |
| Section 238219 | Fan Coil Units                                     |
| Section 238236 | Finned-Tube Radiation Heaters                      |

**Bid Package Notes:**

- 23.01** The Trade Contractor shall be aware that the completion of this project in accordance with the Construction Schedule is critical to the City of East Hartford. The Construction Schedule shall be strictly adhered to. The Contractor shall supply the necessary resources to attain the dates put forth in the Construction Schedule. Changes to the schedule during construction will not be grounds for any change orders or claims.
- 23.02** A full time, English speaking superintendent must be on site when work is being performed.
- 23.03** Work must be performed such that safe access and required egress to the building and work areas are maintained.
- 23.04** This Trade Contractor is required to familiarize themselves with existing conditions and items to remain prior to commencing with this scope of work. Every effort is expected to be made NOT to damage the existing conditions. This Trade Contractor will be responsible for repair and/or replacement of any damage attributable to this scope of work.
- 23.05** This Trade Contractor is responsible for all Contract Drawing Notes, Key Notes and General Notes, as they relate to this Trade Contractor scope of work. This Trade Contractor is responsible for all related specifications as they relate to this scope of work, regardless of whether or not the Specification is noted above.

- 23.06** This Trade Contractor shall provide OSHA required fall arrest or prevention systems and any and all PPE to their employees, required to perform their work.
- 23.07** This Trade Contractor shall abide by OSHA regulations for Silica Dust exposure. **No Dry Cutting/Drilling** of masonry products will be allowed. The Trade Contractor is responsible for the control of construction dust in and outside the construction areas specific to their scope of work. The Trade Contractor shall employ whatever means and methods deemed necessary to control its trade specific dust.
- 23.08** Dumpsters: The Site Construction Contractor shall include dumpsters/hauling/disposal for the site demolition scope of work. The Demolition Contractor shall include dumpsters for the demolition/abatement scope of work. The Demolition Contractor shall carry the proper dumpsters/containers for proper disposal of hazardous and/or recyclable materials. The General Trades Contractor shall include general debris dumpsters for use by all trades and masonry dumpsters for the mason's use. All Trade Contractors are responsible to discard their general construction debris in the dumpster.
- 23.09** This Trade Contractor is required to clean up their work spaces at the end of each day. All trash, excess material, debris, packaging, scraps etc. should be removed from the site and placed in the dumpsters provided by the general trade contractor. Large material packaging and pallets should be broken down prior to disposal. Work areas shall be swept at the end of the day and kept clean and organized. Excess material should be located in the designated laydown areas on the site. Minimal on site storage for materials will be available. All large deliveries MUST be coordinated with Newfield's Superintendent a minimum of 48hrs in advance.
- 23.10** This Trade Contractor is responsible for all submittals, shop drawings, samples and mock-ups that may be required as part of this scope of work.
- 23.11** The Mechanical Contractor shall provide temporary heat for the building. A minimum of 60 degrees shall be maintained throughout all areas of the building during all phases of construction. During drywall and finish activities, a minimum temperature of 70 degrees must be maintained through-out all areas of the building at all times. The Electrical Contractor shall provide wiring for the temporary heating units. Energy usage for the temporary heat described above will be paid by the Owner. All other temporary heat and protection above and beyond shall be furnished and installed by the Trade Contractor requiring the heat. This includes, but is not limited to the Concrete and Masonry Contractors. A written plan of action must be drafted & submitted to the Construction Manager for approval, prior to proceeding. All systems must be OSHA compliant and approved by the local fire marshal. The General Trades Contractor is responsible for humidity control utilizing portable dehumidifiers for all work areas from the commencement of drywall finish activities through the completion of the project. Relative humidity levels must be maintained at or below 45% or greater if the specifications require. Include all necessary fuel and utility consumption costs.
- 23.12** The site contractor is responsible for clearing snow from the project site, sidewalks, roadways, laydown areas etc. It is the trade contractor's responsibility to remove snow in and on the building to facilitate their work including but not limited to the roof, staging, framing, slabs etc.
- 23.13** Trade Contractors requiring access doors for their associated work are to furnish access doors; lay out and coordination is the responsibility of the Trade Contractor requiring the access.



This Trade Contractor is responsible for providing access doors and frames (including fire rated doors as necessary) as shown on the drawings, for all scopes of work within their package. Installation of access doors will be by applicable trade contractor (masonry, drywall, concrete). All access doors on the project will be sole sourced from the same manufacturer.

- 23.14** This Trade Contractor shall provide access doors in any duct, plenum, etc. for access to all duct smoke detectors and also must allow sufficient room in the ductwork/plenums, etc. for all tubes and sampling chambers.
- 23.15** This Trade Contractor is responsible to continuously record the progress of their work. This Trade Contractor shall provide copies of the “As-Built” status of their work. Satisfactory “As-Built” progress drawings shall be a condition for continued requisition payments. Also refer to the Instructions to Trade Contractor for additional information regarding “As-Built” requirements.
- 23.16** The Mechanical & Plumbing Contractor shall provide any and all coordination with the Electrical and Fire Protection Trade Contractors relative to control of the HVAC system during Fire Alarm situations. This shall specifically include any and all meetings, drawings, tests, etc. required to provide a completely coordinated and fully functional HVAC/Fire Control System.
- 23.17** The Mechanical & Plumbing Contractor shall include all costs associated with a complete review of all motors, etc. (power requirements), supplied their package. This review is to specifically include a listing of all such motors, etc., showing motor size, voltage, amperage, phasing, fusing, starter sizes, disconnects, wire size required and/or control sequences for submission to the Electrical Trade Contractor and the Construction Manager. Mechanical Contractor shall provide and install all electrical components that are an integral part of packaged mechanical equipment or not, including but not limited to factory installed (or loose) motors, starters, motor controllers, disconnect switches, variable frequency drives, etc. as detailed in the contract documents.
- 23.18** Mechanical & Plumbing Contractor is to furnish and supply all required variable frequency drives (VFDs). The Electrical Trade Contractor is responsible to install the variable frequency drives, including power to and any associated electrical work/connections.
- 23.19** This Trade Contractor shall provide any and all refrigerant reclaiming and/or recharging required for their work.
- 23.20** Duct smoke detectors shall be furnished and wired by Electrical Contractor / Fire Alarm. Duct smoke detectors shall be installed by Mechanical Contractor.
- 23.21** Fire and smoke dampers shall be furnished by the Mechanical Contractor and wired by the Electrical contractor.
- 23.22** This Trade Contractor is required to touch-up all factory finished surfaces which are scratched, bare or become rusty due to shop coating errors, inadequate protection or storage, careless erection procedures, etc., all to the satisfaction of the Architect, Construction Manager and Owner.
- 23.23** This Trade Contractor is responsible for a complete, fully coordinated roof curb assembly for all roof top equipment, including all blocking details, metal decking terminations, insulation, blocking of decking flutes (if required), etc. This Trade Contractor shall provide a temporary

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watertight seal around roof penetrations, I.E. Ducts, curbs, conduits, sleeves, vents, drains, etc. until all roofing is permanently installed. This Trade Contractor will also expedite fabrication, furnish, and install roof curbs so as not to delay the roofing operations. The Mechanical Contractor is responsible for furnishing and installing all required curbs. The General Trades Contractor will be responsible for any Blocking required for the mechanical curbs.

- 23.24** All utilities shall be picked up by the Site Contractor within five feet of the building. The Site Contractor shall test and flush the fire sprinkler main to the first valve inside the building. The fire service stub up shall be furnished and installed by the Fire Protection Contractor. The Fire Protection Contractor shall include a cap and temporary valve for testing and flushing. The Site Contractor shall test and flush the domestic water main to the first valve inside the building. The domestic water main stub up shall be furnished and installed by the Plumbing Contractor. The Plumbing Contractor shall include a cap and temporary valve for testing and flushing. The Site Contractor shall chlorinate the water line in accordance with Water Company's requirements. Include chlorination whenever an existing line is relocated. All Water and Sewer Utility Company fees shall be the responsibility of the Site Contractor.
- 23.25** This Trade Contractor is responsible for the slab and roof openings layout and coordination of structural steel locations to support mechanical equipment. No additional compensation will be approved for additional, coordination, offsets, labor, material, or rework.
- 23.26** This Trade Contractor is responsible for all sleeves, inserts, hangers, supporting devices, miscellaneous steel and equipment dunnage required to complete this Scope of Work. This Trade Contractor shall furnish and install all sleeves for all mechanical items penetrating any wall, floor, ceiling, slab roof or deck. Sleeves through decks to receive concrete shall be rigid and capable of withstanding concrete placement and are to be filled with rigid insulation and secured to prevent concrete infiltration.
- 23.27** Penetrations in concrete walls, slabs, ceilings, roofs etc. shall be the responsibility of the trade contractor requiring the opening and should be coordinated with the contractor performing the wall, roof, floor etc. construction. All utilities shall be sleeved or core bored through concrete walls. Sleeves shall be turned over to the concrete contractor by the trade requiring the penetration. Fire rated assemblies and or fire caulking of sleeves and penetrations shall be the responsibility of the trade requiring the opening. Sleeves should be marked with exact locations for the concrete contractor to place. Failure to coordinate any required penetration and or opening causing corrective to the compromised substrate shall be the responsibility of the Trade Contractor that required the opening and/or penetration.
- 23.28** All cores and openings in floors shall be protected and appropriately marked by the trade creating the core or opening.
- 23.29** All Contractors performing work on the roof shall provide their own fall protection in accordance with OSHA standards.
- 23.30** All small roof penetrations (250 square inches or less), furnishing and setting of curbs shall be the responsibility of the trade contractor requiring such items. The Roofing Contractor will be responsible to flash in all such items. All pitch boxes shall be provided by the Roofing Contractor. Roof deck cutting is the responsibility of the Demo Contractor except for holes less than 250 square inches, which are the responsibility of the trade requiring the hole. Layout of openings cut by others is the responsibility of the trade requiring the opening.

- 23.31** The Metals Contractor is responsible for furnishing, installing and coordinating with the HVAC & Plumbing Trade Contractor all sizes and locations of mechanical openings through the floor and roof decking. Not all required roof frames are shown on the drawings. Furnish and install roof frames for all openings 12" X 12" or larger. Roof deck shall be cut by the trade requiring the opening. Not all required roof frames are shown on the drawings. Furnish and install roof frames for all openings 12" X 12" or larger.
- 23.32** This Trade Contractor is responsible for all penetration fire-stopping, including but not limited to, fire-stopping and/or smoke-stopping all penetrations for any duct, pipe or conduit including associated protection and cleanup of penetrations as required etc. installed under this scope of work through a smoke or fire rated partition, wall, ceiling and/or floor. Furthermore, this Trade Contractor agrees that they will comply with utilizing a standard fire-stopping and smoke-stopping manufacturer agreed to by all pertinent trades, as it relates to the execution of this Scope of Work, in accordance with Specification Section 07 8413 Penetration Fire-stopping and the Contract Documents.
- 23.33** The Mechanical/Electrical/Plumbing/Fire Protection/Fire Alarm/Communications Trade Contractors are responsible to cut, cap, drop & make safe all trade related and specific items to be demolished/removed within their scope of work. All equipment and facilities on the roof are to be removed from the roof, and placed on the site by the related M/E/P/FP/FA/C Trade Contractor. The Demolition Contractor is to remove dropped material from site.
- 23.34** It is the responsibility of the MEFP Contractors to mark out walls, ceilings, floors, finishes etc. that require cutting/trenching/removal for access to install piping, conduit, wiring, devices, ductwork, dampers etc. It is the responsibility of the Demolition Contractor to abate (as required) and remove all materials to facilitate this work. It is the responsibility of the General Trades contractor to patch/repair/replace upon completion of the MEFP contractor's work. Any millwork, trim, finishes etc. required to be salvaged and re-used should be removed, prior to demolition and re-installed by the General Trades Contractor. It is the General Trade Contractor's responsibility to re-install or replace removed finishes, drywall, plaster etc.
- 23.35** The Site Contractor is to include excavation, bedding and backfill for all under slab items in the new and existing building areas including, but not limited to footings, piers, underpinning, sanitary waste, storm, vent, water, heating, cooling, telecomm and electrical items. Sawcutting and concrete removal/disposal is the responsibility of the demo contractor. Layout/coordination for demo, sawcutting & excavation is the responsibility of the trade contractor installing the new work. Upon completion of the new work all slab infills are the responsibility of the concrete contractor.
- 23.36** The Mechanical/Electrical/Plumbing/Fire Protection/Fire Alarm/Communications Trade Contractors shall salvage owner items called to be salvaged, per the related trade. Construction Manager and Trade Contractor to coordinate with owner on a case-by-case basis.
- 23.37** This Trade Contractor shall provide all fittings and varying lengths of piping and similar conduits required for the complete installation of the systems as required by the coordination drawing process whether or not such fittings and/or lengths and sizes were shown on the bidding documents.
- 23.38** The Mechanical & Plumbing Trade Contractor to coordinate locations of all piping, valves and

equipment with other Trades, structural components, and architectural finishes.

The Mechanical Trade Contractor will act as gatekeeper of the coordination model during the entire coordination effort.

Each contractor shall model their systems and provide sufficient detail to enable accurate and complete clash detection prior to the start of Trade Contractor's work on site. At a minimum, coordination meetings shall occur weekly until final coordination is achieved and in no way shall delay the progress of the job.

Mechanical Trade Contractor will make available their server (or other means acceptable to all parties) that will enable all project parties to upload and download their respective shop drawing models during the coordination effort. When coordination models from each trade are uploaded, the Mechanical Trade Contractor will download and integrate all trade models into a consolidated model.

After this, a clash report will be created to identify clashes and conflicts between trade systems, building structure, architectural elements, etc. A report will be issued to all trades and the CM for review, response, and correction.

Once all coordination efforts (by area) are completed and clashes resolved, the Mechanical Contractor shall produce a final set of coordination drawings as well as an integrated model for use and reference during construction.

Typical sequence of coordination, unless otherwise determined, shall be:

1. Duct layout
2. Pitched Pipe Layout
3. Plumbing
4. Fire Protection
5. Electrical
6. Communication
7. Miscellaneous

Each system shall use a specific color for ease of identification. All files shall have specific names assigned to track version and date of file per trade. The Mechanical Contractor is to determine color assignments and file naming requirements.

- 23.39** This Trade Contractor is responsible for all building access and is to take note of access and make provisions to ensure that equipment will fit through permanent doorways and/or structure. Any work required to create openings or removal of doors/windows or walls in areas where equipment won't fit through existing openings shall be paid for by this Trade Contractor.
- 23.40** This Trade Contractor is responsible for all louvers, registers, grills, diffusers, vents etc. (including joint sealants) as it relates to the execution of this Scope of Work, in accordance with Specification Section 08 91 19 Fixed Louvers and the Contract Documents.
- 23.41** This Trade Contractor is responsible for all testing and balancing as it relates to the execution of this Scope of Work, in accordance with Specification Section 23 05 93 Testing, Adjusting & Balancing for HVAC and the Contract Documents. This Trade Contractor is responsible to coordinate with their testing and balancing Trade Contractor and will recommend all sheave

changes required to balance the system according to the Specifications. Sheave changes will be executed by this Trade Contractor according to those recommendations at no additional compensation.

- 23.42** This Trade Contractor is responsible for all “Special Warranties”, training start-up, required for this Scope of Work. Since permanent HVAC equipment will be utilized for temporary heating and/or cooling purposes, this this Trade Contractor shall include costs to provide Extended Warranties on all equipment so that the Full Warranty period starts at Project Substantial Completion. (for bidding purposes an additional 18 months). The Owner reserves the right to accept individual pieces of equipment or systems early. In these cases, the warranty shall begin at written acceptance by the Owner.
- 23.43** Plumbing Trade Contractor to include all required pipe, insulation, equipment, equipment insulation, jacketing, and identification markings required for plumbing systems.
- 23.44** This Contractor should carry the following allowances within their base bid for use by the CM’s discretion: Sixty (60) Plumbing Foreman Hours, eighty (80) Mechanical Foreman Hours, ~~forty~~ (40) ~~sprinkler foreman hours~~ and a \$7,000 material allowance.
- 23.45** All concrete sidewalks, site retaining walls, exterior concrete paved areas, exterior concrete stairs & exterior concrete pads are by the site contractor. The Site Contractor is responsible for all associated dowels and reinforcement for these items. The site contractor shall include all exterior equipment, transformer, generator, mechanical and dumpster pads. Rub, grind and parge all concrete vertical surfaces and top of walls exposed to view. The Concrete Trade Contractor shall furnish and install interior and roof concrete pads, including but not limited to water heater and storage tank pads. Grouting of any inertia bases is the responsibility of the Trade Contractor providing the bases.
- 23.46** Trade Contractors to provide delegated designs as designated in the Contract Documents. Delegated designs are to be per the basis-of-design and to be coordinated with other affected Trade Contractors. Delegated designs are not to directly or indirectly alter a scope of work based off the Contract Documents. If basis of design cannot be met without altering a scope of work, the case must be immediately brought to the attention of the Construction Manager.
- 23.47** Roof Drains to be furnished and installed by the Mechanical & Plumbing Contractor. Roof drain locations to be coordinated between the Roofing and Plumbing Contractors.
- 23.48** Slab on Grade & Underground Utilities: Site Contractor is responsible for excavation, backfill and compaction of trenches required for underground utilities. M/E/P/FP/FA/C Contractors are responsible for all vertical and horizontal layout and installing their respective utilities.
- 23.49** The Mechanical & Plumbing Contractor is responsible for providing and maintaining a temporary water service (Hose bib) at each floor for all trade contractor’s use throughout construction. This includes but is not limited to use for the demo & abatement, flooring, painting, masonry, concrete, etc.
- 23.50** The Mechanical & Plumbing Contractor is responsible to Sweep/Clean the existing Chimney Flue Liners.
- 23.51** All utilities shall be picked up by the Site Contractor within five feet of the building. The Site

Contractor shall test and flush the fire sprinkler main to the first valve inside the building. The fire service stub up shall be furnished and installed by the Fire Protection Contractor. The Fire Protection Contractor shall include a cap and temporary valve for testing and flushing. The Site Contractor shall test and flush the domestic water main to the first valve inside the building. The domestic water main stub up shall be furnished and installed by the Plumbing Contractor. The Plumbing Contractor shall include a cap and temporary valve for testing and flushing. The Site Contractor shall chlorinate the water line in accordance with Water Company's requirements. Include chlorination whenever an existing line is relocated. All Water and Sewer Utility Company fees shall be the responsibility of the Site Contractor.

~~23.52 Fire sprinkler and Domestic water services will be brought to a blind flange above the new slab on grade by the Site Trade Contractor. NFPA testing will be performed from street connection to this flange accordingly. The coordination of the testing requirements is to be provided by the Fire sprinkler contractor including furnishing all required test flanges and test headers and assisting in the preparation of the NFPA documentation and sign-off.~~

~~23.53 Provide all required system flushing, disinfecting and testing of the fire sprinkler systems. Provide all required flow tests, engineered sealed calculations and drawings required for a complete Fire Protection system. Submit sealed calculations to State of Connecticut insurance carrier, building department and fire marshal's office.~~

~~23.54 This Contractor to furnish and install all tamper switches, flow and gate valves, pressure switches, post indicator valves, electric bells, fire department connections for a complete Fire Protection system. The Electrical Contractor is to wire and interconnect all the Fire Protection valves, switches, bells to the fire alarm system.~~

~~23.55 The Fire Protection Contractor to coordinate locations of all piping, valves and equipment with other Trades, structural components, and architectural finishes.~~

~~The Mechanical Trade Contractor will act as gatekeeper of the coordination model during the entire coordination effort.~~

~~Each contractor shall model their systems and provide sufficient detail to enable accurate and complete clash detection prior to the start of Trade Contractor's work on site. At a minimum, coordination meetings shall occur weekly until final coordination is achieved and in no way shall delay the progress of the job.~~

~~Mechanical Trade Contractor will make available their server (or other means acceptable to all parties) that will enable all project parties to upload and download their respective shop drawing models during the coordination effort. When coordination models from each trade are uploaded, the Mechanical Trade Contractor will download and integrate all trade models into a consolidated model.~~

~~After this, a clash report will be created to identify clashes and conflicts between trade systems, building structure, architectural elements, etc. A report will be issued to all trades and the CM for review, response, and correction.~~

~~Once all coordination efforts (by area) are completed and clashes resolved, the Mechanical Contractor shall produce a final set of coordination drawings as well as an integrated model for use and reference during construction.~~

Typical sequence of coordination, unless otherwise determined, shall be:

1. Duct layout
2. Pitched Pipe Layout
3. Plumbing
4. Fire Protection
5. Electrical
6. Communication
7. Miscellaneous

Each system shall use a specific color for ease of identification. All files shall have specific names assigned to track version and date of file per trade. The Mechanical Contractor is to determine color assignments and file naming requirements.

**23.56** Fire Protection Contractor to include all required pipe, insulation, equipment, equipment insulation, jacketing, and identification markings required for Fire Protection systems.

# REQUEST FOR INFORMATION LOG

## Wickham Memorial Library Renovations and Addition

656 Burnside Avenue

East Hartford, CT

ISSUED AS PART OF ADDENDUM #, 7/22/2021



7/22/2021

| RFI # | DATE      | Trade            | SHEET # OR SECTION REFERENCED | DESCRIPTION   | RESPONSE  | STATUS (OPEN OR CLOSED) | NOTES |
|-------|-----------|------------------|-------------------------------|---|---|-------------------------|-------|
| 001   | 7/1/2021  | Masonry          | Architectural Drawings        | I see that the architect is indicating that the cut/point/clean quantities are estimates based on limited survey and that the contractor is to verify actual quantities. I'm assuming that means we are to carry their quantities for bidding purposes and payment will be made based on actual work performed? | Yes, contractor is to verify actual quantities. Bidders are to carry their quantities for bidding purposes and payment will be made based on actual work performed.   | CLOSED                  |       |
| 002   | 7/6/2021  | Fire Protection  | M Drawings                    | Please confirm the backflow for the fire protection system. Double check or RPG   | Double check.   | CLOSED                  |       |
| 003   | 7/6/2021  | Fire Protection  | M Drawings                    | Please confirm that the Surge Tank is not Required. There is reference to a possible addition of a surge tank when the existing FP system is modified. MDC Fire Service Guidelines, page 1, 2018  | Surge tank not required per contract documents.   |                         |       |
| 004   | 7/6/2021  | All              | Division 0 Page 2 (Specs)     | On the second page of the specifications in division 0, there is a page with account information that is not relevant to the project.   | Please disregard this page.   | CLOSED                  |       |
| 005   | 7/6/2021  | Fire Protection  | M Drawings                    | Is this a prefile bid to Newfield? If a bid bond is required is it only for bids over 100K or for all bidders? Also, in several places it says fire protection is under General Trades but I also see it as Bid Package 23-FP, Plumbing and Mechanical.   | We moved FP into the M/P package we will clean the extraneous notes reference general trades and fire protection. This is not pre-filed to Newfield any trade package bid needs to be delivered to East Hartford as per invite and instructions including bonding requirements. | CLOSED                  |       |
| 006   | 7/8/2021  | HazMat and Demo  | M Drawings                    | Question on Bid Package "02 HazMat and Demo *(M/W/DBE)" for clarification purposes. As an SBE are we excluded from this bid package, or are SBEs still able to bid this work?   | REVISED RESPONSE - See Addendum 3, SBE's are permitted to bid this poackage   | CLOSED                  |       |
| 007   | 7/12/2021 | Misc Metals      | A Drawings                    | Drawing S101 shows elevator rail plate but it does not give a quantity of how many are needed or spacing  | Carry 6 inserts   | CLOSED                  |       |
| 008   | 7/14/2021 | General Trades   | A Drawings                    | Which Bid Package owns the pocketing into existing for the new framing?   | General Trades  | CLOSED                  |       |
| 009   | 7/14/2021 | Misc Metals      | A Drawings                    | What are the PU supports?,columns? shown on the structural drawings, they dont seem to be on the drawings. Are they ...wood, steel?   | E2. stated to go to post plan   | CLOSED                  |       |
| 010   | 7/14/2021 | General Trades   | A Drawings                    | Regarding the transition framing into the existing roof line, who owns the cutting and removal of the existing roof for the new framing?  | The General Trades contractor   | CLOSED                  |       |
| 010.1 | 7/14/2021 | General Trades   | A Drawings                    | Regarding the transition framing into the existing roof line; where on the drawings does is require the existing roof work to be removed at the transition?   | Existing roof framing/ sheathing to remain. See details 5/A003 (demo / salvage existing slate only) roof structure to remain. Also see details 1/S103, 1/S200, and 1/S201   | CLOSED                  |       |
| 011   | 7/14/2021 | General Trades   | S-Drawings                    | On the structural plan view drawings there are a number of symbols marked "PU", the notes indicating this as a "Post Up". There does not appear to any information as to what this "PU" is, please clarify.   | E2. See plan above for post size designation  |                         |       |
| 012   | 7/14/2021 | GT / Landscaping | A Drawings                    | Which bid package is responsible for the removal and reinstallation of the Portico Pavers and the related shoring as described on drawing 1/A101?   | The Site Contractor   | CLOSED                  |       |
| 013   | 7/14/2021 | General Trades   | A Drawings                    | Which bid package is responsible for the Vapor Barrier in the crawl spaces as shown in drawing 1/A100?  | The Concrete BP owns the vapor barrier under slab and up the walls in the crawl space. General Trades owns ALL remaining AVB  | CLOSED                  |       |
| 014   | 7/14/2021 | General Trades   | A & M Drawings                | Which bid package is responsible for the Louvers?   | The Mechanical Contractor   | CLOSED                  |       |
| 015   | 7/14/2021 | General Trades   | A Drawings                    | Are 2x4 and plywood temporary doors with lock and hasps considered acceptable   | If RFI refers to Temporary Facilities and Controls during constructon, then 2x4 and plywood temporary doors with lock and hasps are acceptable for storage sheds.   | CLOSED                  |       |
| 016   | 7/14/2021 | Fire Protection  | M Drawings                    | Currently, the Fire Protection scope is to be bid with the plumbing and mechanical as one lump sum bid. Can the Fire Protection scope be taken out of this three-way package and be bid on its own?   | Yes, The Fire Proteection wil be deleted from the Plumbing & Mechanical Bid Package and designated as a separated bid package, via upcoming Addendum 3  | CLOSED                  |       |



# REQUEST FOR INFORMATION LOG

## Wickham Memorial Library Renovations and Addition

656 Burnside Avenue

East Hartford, CT

ISSUED AS PART OF ADDENDUM #, 7/22/2021



7/22/2021

| RFI # | DATE      | Trade           | SHEET # OR SECTION REFERENCED | DESCRIPTION  | RESPONSE  | STATUS (OPEN OR CLOSED) | NOTES |
|-------|-----------|-----------------|-------------------------------|--|---|-------------------------|-------|
| 017   | 7/14/2021 | Fire Protection | M Drawings                    | Addendum 01 states the following: "It is the responsibility of the MEFP Contractors to mark out walls, ceilings, floors, finishes etc. that require cutting/trenching/removal for access to install piping, conduit, wiring, device, ductwork, dampers etc. It is the responsibility of the Demolition contractor to abate (as required) and remove all materials to facilitate this work. It is the responsibility of the General Trades contractor to patch/repair/replace upon completion of the MEFP contractor's work. Any millwork, trim finishes etc. required to be salvaged and re-used should be removed, prior to demolition and re-installed by the General Trades contractor. It is the General Trade Contractor's responsibility re-install or replace removed finishes, drywall, plaster etc." Does this still apply? | See Response to RFI 039   | CLOSED                  |       |
| 017.1 | 7/14/2021 | Fire Protection | M Drawings                    | Soffits will need to be created in numerous areas to hide the sprinkler piping as it cannot be installed up in floor joists when perpendicular to those joists and it also must pitch for drainage. Please confirm those soffits will be created as needed however architecturally unpleasing.   | Sidewall sprinklers and piping on first floor are exposed. There is an Alternate No. 3 to create soffits and conceal sprinkler piping.  | CLOSED                  |       |
| 018   | 7/14/2021 | Fire Protection | M Drawings                    | Can you give us the percentage of State funding for this project as it pertains to the CHRO requirements? We need this to calculate our CHRO goal requirements.  | Around 20-25% is funded by the State of CT  | CLOSED                  |       |
| 019   | 7/14/2021 | Fire Protection | M Drawings                    | Please confirm permit fees will be paid for by the owner.  | Trade Contractor's performing the work will obtain the appropriate permits and utilities releases. All trades normally requiring permits must obtain permits. Fees will be paid for by the owner. | CLOSED                  |       |
| 020   | 7/14/2021 | Fire Protection | M Drawings                    | Please confirm all underground fire sprinkler piping will be installed, tested, and flushed by the Site Utility contractor (Fire Protection contractor to start at a flange in the valve room).  | See Site Bid Notes, Site to E/B and install fire line from the street to a blind flange in the building. The site contractor to flush and test, witnessed and signed-off by the FP contractor.    | CLOSED                  |       |
| 021   | 7/14/2021 | Fire Protection | M Drawings                    | At the walk-through it was noted that the crawl spaces seemed to be non-combustible and not used for storage. The code allows these spaces to be unprotected by sprinklers. Can we omit this protection?   | Yes, sprinklers may be omitted from these spaces.   | CLOSED                  |       |
| 022   | 7/14/2021 | Fire Protection | M Drawings                    | Plan page F101 call out for a reduced-pressure principle backflow detector assembly. The detail on page F801 does not show a reduced-pressure principle backflow detector assembly. As the State Building Official does not want reduced-pressure principle backflow detectors installed, and the valve would be in a basement (where flooding could be disastrous), can we use a standard double check valve assembly?  | Yes, a standard double check valve assembly is acceptable but make and model must be approved by the water company.   | CLOSED                  |       |
| 023   | 7/14/2021 | Fire Protection | M Drawings                    | Can you confirm that the new elevator is a traction type? We see no elevator machine room. Also, if the elevator is a traction type, sprinklers are not required either at the top or the bottom of the shaft. Additionally, if the elevator is hydraulic, only the sprinkler at the bottom of the shaft is required...the head at the top of the shaft is never required. Please advise.  | Elevator is a traction type . Refer to specification section 142100.  | CLOSED                  |       |
| 024   | 7/14/2021 | Fire Protection | M Drawings                    | Can we utilize Schedule 10 piping and grooved fittings/couplings in pipe sizes 2" and smaller?   | No.   | CLOSED                  |       |
| 025   | 7/14/2021 | Fire Protection | M Drawings                    | Will adequate access be provided to load materials and piping into attic area?   | Sure  | CLOSED                  |       |

**REQUEST FOR INFORMATION LOG**

**Wickham Memorial Library Renovations and Addition**

656 Burnside Avenue

East Hartford, CT

ISSUED AS PART OF ADDENDUM #, 7/22/2021



7/22/2021

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|-------|-----------|------------------------|-------------------------------|--|---|-------------------------|-------|
| 026   | 7/14/2021 | Fire Protection        | M Drawings                    | Can you confirm the construction of the existing walls?  | Based on limited non-destructive survey, exterior walls appear to be masonry brick exterior walls with plaster and wire lath on wood furring/studs with wood wainscoting in stairs and public spaces. Wood paneling and casework within principle library space. Interior partitions appear to be wood studs with plaster and wire lath. Basement foundation walls are cast in place concrete. Verify infield.  | <u>CLOSED</u>           |       |
| 027   | 7/14/2021 | Demolition & Abatement | A Drawings                    | Would being DAS prequalified for General Building Construction (Group C) and General Trades allow for a contractor to bid on the BP #02 – Hazmat & Demolition bid package? Please advise.  | A DAS Classification for “General Trades” or “Hazmat & Demolition” is acceptable for the Demolition and Abatement Bid Package scope of work provided the bidder can show sufficient experience in Demolition and Abatement work, the general trade contractor will need to show evidence of all appropriate licenses to perform the work. If a bidder chooses to bid multiple Packages, they must first provide separate bid package prices then offer a combined package price, see instructions to bidders. | <u>CLOSED</u>           |       |
| 028   | 7/14/2021 | Fire Protection        | M Drawings                    | Addendum 1 (item #12) indicates the general trade contractor (BP #06.65) is to carry an allowance for sprinkler work accordingly see below : Since Sprinkler work has been moved out of General trades are we assume the General Trades do not need to carry this allowance? | Yes, General Trades contractors are not to carry the sprinkler allowance. This Item, and who will now carry the sprinler allowance, will be clarified in Addendum 3.  | <u>CLOSED</u>           |       |
| 029   | 7/14/2021 | All Trades             | Front end docs and Addendums  | During the prebid agenda note 7 indicates no bid bond or bid security is required, however Addendum 2 item note bid bonds are required for bids over 100,000 dollars, please clarify.  | Follow direction per Addendum 2 Bid bonds are required for bids over 100,000 dollars.   | <u>CLOSED</u>           |       |

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| 030   | 7/14/2021 | General Trades / Painting | A Drawings                    | <p>The first Bid Package Note is in the General Trades package. The second Bid Package Note is in the Painting bid package.</p> <p>06.36 All new millwork, trim and casework shall be caulked/filled/puttied and sanded by the General Trades Contractor and left in a state ready for prime and paint. It is the painter's responsibility to prime and paint the new/refinished millwork and casework. Minor sanding/filling may be required of the painter prior to prime/paint. Caulking of dissimilar materials to both new and existing is the responsibility of the Painting Contractor.</p> <p>09.23 The General Trades Contractor is responsible for all wood re-finishing including removal and reinstallation. Staining of any new Millwork/Trim/Doors etc. will be the responsibility of the General Trades Contractor.</p> <p>Does "re-finishing" in the second statement include painting, if painting is the final finish, or does "refinishing" not include paint?</p> | <p><b>REVISED NOTES:</b><br/> <b>Shop Finished Millwork, Casework, Trim, Doors etc.:</b> Shall be furnished and installed by the General Trades Contractor. Include caulk, filler, putty, touch-ups, etc. as required.</p> <p><b>Field Finished Millwork, Casework, Trim, Doors etc.:</b> Shall be furnished, installed, caulked/filled/puttied/sanded by the General Trades Contractor and left in a state ready for finish by the Painter. All field applied finishes are the responsibility of the painter.</p> <p><b>Existing Millwork/Casework/Trim, Doors etc. CALLED TO BE RE-USED:</b> The General Trades Contractor is responsible to remove, salvage, and reinstall as required. Any repairs/modifications/caulking/filling/sanding/putty are the responsibility of the General Trades Contractor. The re-installed material should be left in a state ready for the painter to apply the new finish. The new finish is the responsibility of the painter.</p> <p><b>Existing Millwork/Casework/Trim/Doors Etc. CALLED TO REMAIN AND BE RE-FINISHED:</b> The General Trades Contractor is responsible to make any required repairs, fills, caulking, puttying etc. to prep. the material to receive its new finish. The new finish is the responsibility of the painting contractor.</p> <p>Note that minor sanding/filling may be required of the painter prior to applying finish under any of the scenarios. Reasonable caulking/filling of dissimilar materials to both new and existing is the responsibility of the Painting Contractor.</p> | CLOSED                  |       |
| 031   | 7/15/2021 | GT / Painting             | Architectural                 | Which bid package is responsible for the light sanding and top coating with polyurethane of the existing stair handrails and newel posts as indicated by the note on drawing 1/A101?  | See Pre-Bid RFI #030 Above   | CLOSED                  |       |
| 032   | 7/15/2021 | Demo / GT / Conc          | Arch & Struct                 | Who is responsible for the replacement of the concrete and backfill at any existing concrete floor slabs that were demoed to allow the placement of under slab piping, conduits, etc. ?   | See Bid Package notes 02.20, 03.29 & 31.60. Layout by applicable trade requiring cutting/trenching. Cutting/removal of concrete by the Demo contractor. Excavation, bedding and backfill by the Site contractor. Concrete replacement by the Concrete Contractor.  | CLOSED                  |       |
| 033   | 7/15/2021 | Aluminum                  | Architectural                 | Do we own the glazing for the type "2" doors? If yes, are all doors getting the ¼" clear tempered? Only one lists the glass.  | Aluminum Apckage Yes and Yes on glass  | CLOSED                  |       |
| 034   | 7/15/2021 | Aluminum                  | Architectural                 | There are two different door types called out as "3". From deduction, is appears we only own door #100 as a standard door and frame. Please confirm we do not own anything with the type "3" arch top entrances.  | Aluminum doors do NOT include Type 3 arched top.   | CLOSED                  |       |
| 035   | 7/15/2021 | Aluminum                  | Architectural                 | For entrance type "3" that is non-arch top, the elevation indicates wide stile doors but the associated details show narrow. Please confirm which is correct.   | Elevation is correct - wide stile.   |                         |       |
| 036   | 7/15/2021 | Conc / GT / Masonry       | Architectural                 | Please verify that the adding of section 072600 to the General Trades package in Addendum 2 was done only to assign the responsibility for the vapor barrier in the crawl spaces per drawing 1/A100. Please clarify   | The Concrete BP owns the vapor barrier under slab and up the walls in the crawl space. General Trades owns ALL remaining AVB   | CLOSED                  |       |

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| 037   | 7/15/2021 | Electrical                  | E-Drawings/Specs              | Please clarify the inverter type in the electrical package.   | "Inverter I1 shall be Lead Calcium instead of NiCad." reference Drawing is E002, the lighting schedule fixture I1 Spec section is 263323.11 2.2(1)(1)  | CLOSED                  |       |
| 038   | 7/19/2021 | Masonry                     | A Drawings                    | The specs and your SOW identify allowance quantities for both brick repair (replacement?) and repointing, but they are not the same quantities. Can you confirm we are to carry the quantities given in the SOW rather than the specs. Can you also confirm these are the only restoration quantities we should be carrying or if we are supposed to carry the quantities given on the drawings plus the allowance quantities. There is a "clean efflorescence" note on the drawings with an approximate quantity given but there is no corresponding allowance in the spec or SOW. | Carry only the quantities indicated in the Specifications, Section 012100 "Allowances". Upon review of the SOW (Drawings) and the specifications, Architect has determined that allowance quantities for both brick repair and repointing indicated in the SOW (Drawings) and the Specifications, are the same and consistent. Define Brick Repair as Brick Replacement.   | CLOSED                  |       |
| 039   | 7/19/2021 | General Trades / Mechanical | Arch and Mech Drawings        | Who will be doing the Cutting and Patching of existing hard ceilings and walls for MEFP trades to perform their work?   | It is the responsibility of the MEFP Contractors to mark out walls, ceilings, floors, finishes etc. that require cutting/trenching/removal for access to install piping, conduit, wiring, devices, ductwork, dampers etc. It is the responsibility of the Demolition Contractor to abate (as required) and remove all materials to facilitate this work. It is the responsibility of the General Trades contractor to patch/repair/replace upon completion of the MEFP contractor's work. Any millwork, trim, finishes etc. required to be salvaged and re-used should be removed, prior to demolition and re-installed by the General Trades Contractor. It is the General Trade Contractor's responsibility to re-install or replace removed finishes, drywall, plaster etc. | CLOSED                  |       |
| 040   | 7/19/2021 | Aluminum                    | Spec 084213                   | The basis of design call for EFCO D518 series doors, which are 2" thick Durastile doors. Spec section 2.3 A.1.a call for thermal doors which is EFCO's D502 series. Please clarify which door series is required.   | EFCO door series D502 thermal, medium stile is required.   | CLOSED                  |       |
| 041   | 7/19/2021 | Mechanical                  | Specs                         | Is antimicrobial coating required for ALL unlined ductwork?   | Yes, it's required.  |                         |       |
| 042   | 7/19/2021 | Window Treatments           | A Drawings                    | The finish schedule call for RS1 cellular shades with 3" fascias. Typically fascias aren't used with cellular shades because everything is contained in the headrail. Are 3" fascias to be used in addition to the cellular shades?   | 3" Fasciae are not required for RS-1 cellular shades   | CLOSED                  |       |
| 043   | 7/19/2021 | Electrical                  | E Drawings                    | Drawing E101 Stair 1 & 2 Ground & 2nd Fl. Denote a Total of (4) Type D1 Fixtures Wall Mounted These are not Denoted on the fixture Schedule – The D1 fixture Denoted is a bowl fixture for the ceiling  | D1 fixture is ceiling & wall mounted. Lighting calculations were done with that on the wall as well as ceiling. CLARIFICATION: G1 fixture shall be revised to Beta Calco - 301010/30/BL.   | CLOSED                  |       |
| 044   | 7/20/2021 | Structural                  | A Drawings                    | Can you please clarify if the railing extension apply for both stairs, 1 and 2?   | Yes  | CLOSED                  |       |