

**CONTRACT DOCUMENTS
AND
TECHNICAL SPECIFICATIONS
FOR
HVAC UPGRADES
&
INTERIOR RENOVATIONS
&**

GREENWOOD LAKE PUBLIC LIBRARY

NYSED# 44-21-11-02-6-008-005

Greenwood Lake Public Library
79 Waterstone Road
Greenwood Lake, NY 10925

Contact: Ms. Jill Cronin, Director

LAN Job #4.1361.05

April 1, 2021

Michael J. McGovern, RA
NYS #022257

1.0 General: The original contract documents issued **March 10, 2021** for this project are hereby amended as noted in this addendum which shall become part of said contract documents, as if originally included therein. Bidders must acknowledge receipt of this addendum and all other addenda on the proposal form when submitting proposals. In case any bidder fails to acknowledge receipt of addenda, his proposal will nevertheless be construed as though it has been received, acknowledged, and the submission of his proposal shall constitute acknowledgment by the bidder of the receipt of same.

Note that the bid due date and time is Friday, April 9, 2021 @ 2:00 p.m. at the Greenwood Lake Public Library, 79 Waterstone Road, Greenwood Lake, NY 10925.

2.0 Amendment to Application:

Form	Comment
N/A	

3.0 Amendments to Specifications:

Section No.	Page No.	Addendum Requirements
Front End	BA-1	Revised Notice to Bidders
011000	2	Verbiage for ADD ALTERNATE #1 updated to include the removal of the furnace located in the basement service the area of Staff Workroom (112) and adjacent areas to be included in the ADD ALTERNATE #1 price.
087111	6	Updates to Hardware Set #5 to include automatic door closer and associated controls.

4.0 Amendments to Drawings:

Drawing No.	Addendum Requirements
A2.01	Added a note regarding the scope amendment to exterior entry door D01.
M1.01	Clarification to scope of work included in base bid vs add alternates.
M6.01	Clarification to scope of work included in base bid vs add alternates.

5.0 Requests for Information (RFIs):

No.	Comment / Response
1	Comment: M2.01 proposed roof plan for this phase has ACC-IT included. Schedule on M6.01 does not have ACC-IT included in this contract. Please advise as to whether the supply and installation of ACC-IT should be included.

5.0 Requests for Information (RFIs): (continued)

No. Comment / Response

Response: ACC-IT is not included in this scope of work.

- 2 Comment: There is no information on the drawings or in the specs regarding the fire alarm. Who is the manufacturer? Is there a specific manufacturer that needs to be used? Has anyone been maintaining it or working on it?

Response: The current fire alarm vendor is Hi-Tech Security Systems, Inc. (info@highteckalarms.com, 845-357-7003) who purchased the former vendor, Hidden Security Systems (Peter Pecola, 845-527-4894). The Fire Alarm Control Panel is manufactured by Silent Knight. Coordinate with the current fire alarm vendor for access and programming. All equipment shall be per the manufacturer's requirements and UL cross listed for use with the Silent Knight panel.

- 3 Comment: There are no specs or notes regarding the auto operator at the new entrance. Please advise.

Response: Hardware Schedule specification section 087111 has been updated to include the information regarding the automatic door closer. The exterior entry door (D01) at Foyer (104) has already been replaced as part of a previous phase of construction. A surface mounted door closer has been provided. A new closer per updated spec section 087111 will need to be provided at the exterior entry door and connected to the new auto operator system.

- 4 Comment: There are no specs or notes for the security film on the door. Please advise.

Response: Provide 3M Safety S70 (7 mil) single-ply film at interior of face of all glazing on door & sidelites of D02 & window W1.

- 5 Comment: On A6.01, there's a note at window type R that calls for 1/4" clear tempered glass. The detail notes, 1 & 2, call for fire rated glass. Please clarify which is required.

Response: Fire rated glazing is not required for this application.

6.0 Clarifications:

No. Clarification

- 1 The furnace in the basement that serves the Media 2 and Staff Work room is only to be demolished if ADD ALTERNATE #1 is awarded. Demolition of this furnace and all associated ductwork, conduit, floor registers, etc. is not considered part of the base bid scope.

- 2 All architectural (new partitions, flooring, doors, windows, etc.) work associated with Director's Office 127 as shown on drawing A2.01 is not part of this phase of construction and is considered Not In Contract. Additionally, the associated electrical work shown in the new partitions at Director's Office 127 are also considered Not In Contract. Mechanical work associated with this area is considered part of this phase of construction, and that work shall be included in the base bid price.

- 3 Contractors shall be required to trench the existing concrete slab as necessary for installation of the new power & data receptacles at the new circulation desk. Coordinate location of trenching with new Owner supplied circulation desk. Contractor to patch slab with new concrete to level of adjacent concrete sub-floor and cover over with new scheduled VCT flooring.

6.0 Clarifications: (continued)

No. Clarification

- 4 There is no duct cleaning required on this project.
- 5 New auto door operators shall be provided and installed for both doors D01 & D02. The contractor shall remove the existing surface mounted closer on door D01 and return to owner. The contractor shall connect both new auto operators to new push buttons per drawing E2.02. Refer to spec section 087111 & comment/response #3 on this addendum for additional information.

END OF ADDENDUM NO. 1

Attachment: #1 – Revised Notice to Bidders
#2 – Drawings (A2.01, M1.01 & M6.01)
#3 – Specifications (011000 & 087111)

GREENWOOD LAKE PUBLIC LIBRARY

NOTICE TO BIDDERS FOR:

PUBLIC NOTICE is hereby given that sealed bids shall be received by the Board of Trustees of the Greenwood Lake Public Library, Greenwood Lake, New York 10925 for the following bid package:

**PHASE 2 – HVAC UPGRADES & INTERIOR RENOVATIONS
NYSSED# 44-21-11-02-6-008-005**

See the Bid Documents for a further description of the work.

Bid proposals shall be received by **Friday, April 9, 2021** by mail or in person, at the Greenwood Lake Public Library, 79 Waterstone Road, Greenwood Lake, New York 10925 until **2:00 p.m. prevailing time** at which time they shall be publicly opened and read aloud. All envelopes containing bids shall bear on the face of the sealed envelope the words “**Phase 2 – HVAC UPGRADES & INTERIOR RENOVATIONS – April 9, 2021**”. No Bids shall be accepted after **2:00 p.m. on Friday, April 9, 2021**.

Staff will be available to accept hand delivered bids between the hours of 9:00 a.m. and 2:00 p.m. on April 9, 2021. Due to the current COVID-19 pandemic, Library access is restricted, and non-essential individuals will not be permitted inside. Bids will be publicly opened and read aloud at 2:00p.m. via livestream on Zoom. A link to the livestream will be provided to bidders via email, after the purchase of a bid package.

The plans and specifications may be examined/obtained at REV Ventures, Inc., 330 Route 17A, Suite 3, Goshen, NY 10924, or at their website www.usinglesspaper.com or by phone (845) 651-3845 between 9:00 a.m. and 5:00 p.m. Monday through Friday beginning on **Wednesday, March 10, 2021**. A bid deposit of \$100 payable to Greenwood Lake Public Library by check or money order is required to obtain printed documents. The deposit is refundable if the bid documents are returned in good condition within 30 days after the bid date. Complete digital sets of Bidding Documents, drawings and specifications may also be viewed online with a free user account or downloaded for a non-refundable fee of Forty-Nine (\$49.00) dollars at www.usinglesspaper.com under public projects.

Please note that all bidders must obtain bid packages from REV Ventures, Inc. or at their website www.usinglesspaper.com in order to submit a bid for this project. REV Ventures, Inc. or their website www.usinglesspaper.com is the **ONLY** authorized distributor of the bid package and all bidders must be on their bidders list.

All bid addenda will be transmitted to registered plan holders via email and will be available at www.usinglesspaper.com. Plan holders who have paid for hard copies of the bid documents will need to make the determination if hard copies of the addenda are required for their use, and coordinate directly with Rev. Ventures Inc. for hard copies of addenda to be issued. There will be no charge for registered plan holders to obtain hard copies of the bid addenda.

All technical questions, comments, and inquiries should be directed to LAN Associates (Attention Mr. Taylor Thomas, Assoc. AIA at telephone number 845-615-0350, fax number 845-615-0351 or email taylor.thomas@lanassociates.com).

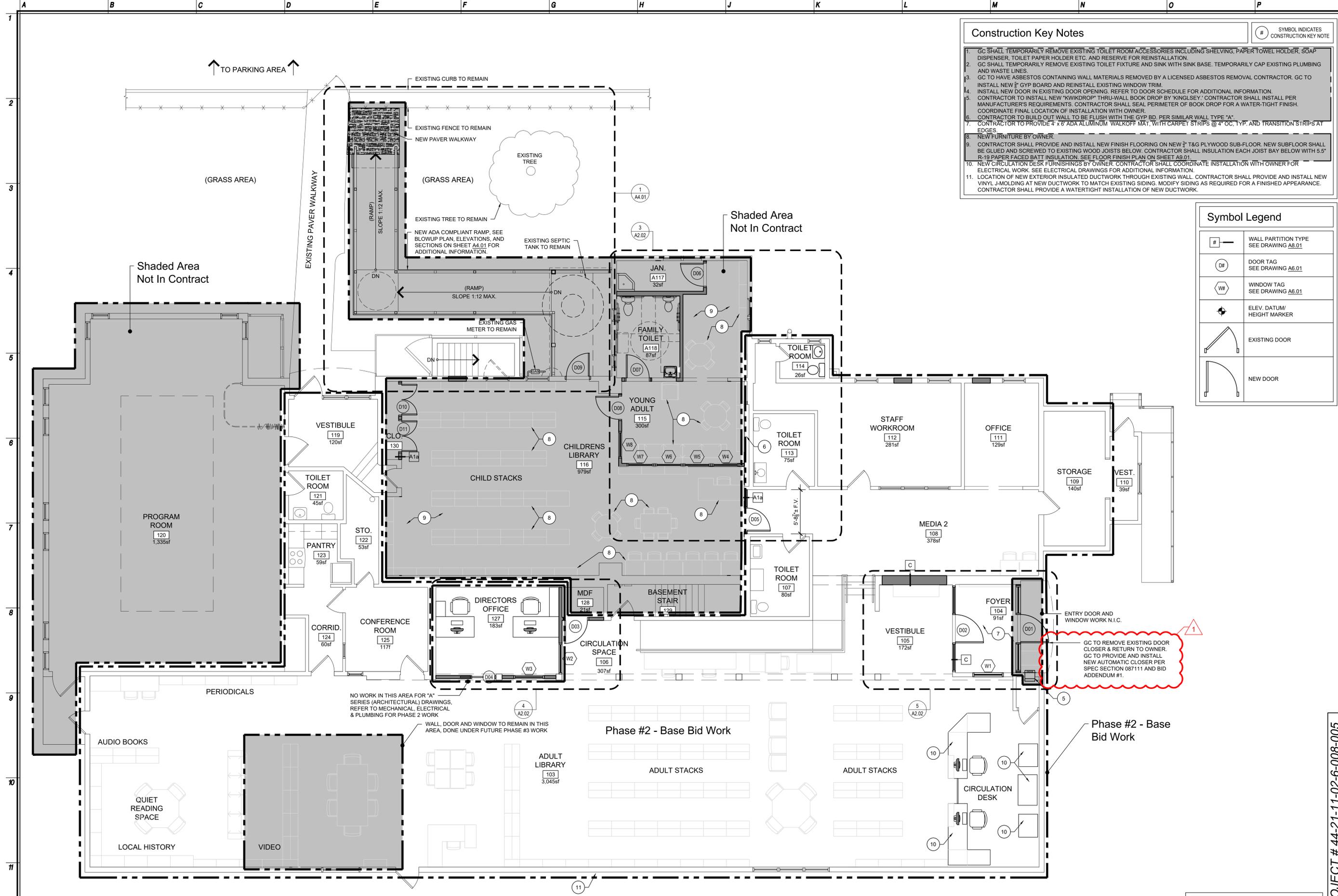
There will be a **pre-bid walk-through on Tuesday, March 30, 2021 at 10:00 a.m. at the Greenwood Lake Public Library, 79 Waterstone Road, Greenwood Lake, NY 10925**. Bidders are urged to attend the pre-bid meeting. Knowledge of the site is crucial to obtain a proper understanding of the Work. Due to the COVID-19 pandemic, face masks will be required during the pre-bid walk-through.

All laborers, workers and mechanics working on the site of this project must be certified as having successfully completed the OSHA 10-hour construction safety and health course.

No bidder shall withdraw his/her bid within sixty (60) days after the formal bid opening. The Library Board of Trustees reserves the right to waive any informality in any proposals, or to reject any or all proposals and to advertise for new proposals.

Date:
By Order of:

3/10/2021
Board of Trustees
Greenwood Lake Public Library
Greenwood Lake, New York 10925



- ### Construction Key Notes
- GC SHALL TEMPORARILY REMOVE EXISTING TOILET ROOM ACCESSORIES INCLUDING SHELVING, PAPER TOWEL HOLDER, SOAP DISPENSER, TOILET PAPER HOLDER ETC. AND RESERVE FOR REINSTALLATION.
 - GC SHALL TEMPORARILY REMOVE EXISTING TOILET FIXTURE AND SINK WITH SINK BASE. TEMPORARILY CAP EXISTING PLUMBING AND WASTE LINES.
 - GC TO HAVE ASBESTOS CONTAINING WALL MATERIALS REMOVED BY A LICENSED ASBESTOS REMOVAL CONTRACTOR. GC TO INSTALL NEW 5/8" GYP BOARD AND REINSTALL EXISTING WINDOW TRIM.
 - INSTALL NEW DOOR IN EXISTING DOOR OPENING. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
 - CONTRACTOR TO INSTALL NEW "KWIKDROP" THRU-WALL BOOK DROP BY "KINGSEY". CONTRACTOR SHALL INSTALL PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL SEAL PERIMETER OF BOOK DROP FOR A WATER-TIGHT FINISH. COORDINATE FINAL LOCATION OF INSTALLATION WITH OWNER.
 - CONTRACTOR TO BUILD OUT WALL TO BE FLUSH WITH THE GYP BD. PER SIMILAR WALL TYPE "A".
 - CONTRACTOR TO PROVIDE 4' x 6' ADA ALUMINUM WALKOFF MAT, WITH CARPET STRIPS @ 4" OC, TYP. AND TRANSITION STRIPS AT EDGES.
 - NEW FURNITURE BY OWNER.
 - CONTRACTOR SHALL PROVIDE AND INSTALL NEW FINISH FLOORING ON NEW 3/4" T&G PLYWOOD SUB-FLOOR. NEW SUBFLOOR SHALL BE GLUED AND SCREWED TO EXISTING WOOD JOISTS BELOW. CONTRACTOR SHALL INSULATE EACH JOIST BAY BELOW WITH 5.5" R-19 PAPER FACED BATT INSULATION. SEE FLOOR FINISH PLAN ON SHEET A9.01.
 - NEW CIRCULATION DESK FURNISHINGS BY OWNER. CONTRACTOR SHALL COORDINATE INSTALLATION WITH OWNER FOR ELECTRICAL WORK. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - LOCATION OF NEW EXTERIOR INSULATED DUCTWORK THROUGH EXISTING WALL. CONTRACTOR SHALL PROVIDE AND INSTALL NEW VINYL J-MOLDING AT NEW DUCTWORK TO MATCH EXISTING SIDING. MODIFY SIDING AS REQUIRED FOR A FINISHED APPEARANCE. CONTRACTOR SHALL PROVIDE A WATERTIGHT INSTALLATION OF NEW DUCTWORK.

Symbol Legend

#	WALL PARTITION TYPE SEE DRAWING A8.01
D#	DOOR TAG SEE DRAWING A6.01
W#	WINDOW TAG SEE DRAWING A6.01
+	ELEV. DATUM/ HEIGHT MARKER
(Dashed line)	EXISTING DOOR
(Solid line)	NEW DOOR

Date: 3/1/21
 Checked: MJM
 Drawn: TT

MICHAEL J. MCGOVERN, P.A.
 THE REGISTERED ARCHITECT
 License No. 022257-1

Revisions:
 ISSUE FOR BID 03/10/2021
 BID ADDENDUM 1 3/31/21

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 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350

PROPOSED FLOOR PLAN
 HVAC UPGRADES & INTERIOR RENOVATIONS, PHASE 2
 GREENWOOD LAKE PUBLIC LIBRARY
 79 WATERSTONE ROAD
 GREENWOOD LAKE, NEW YORK 10925

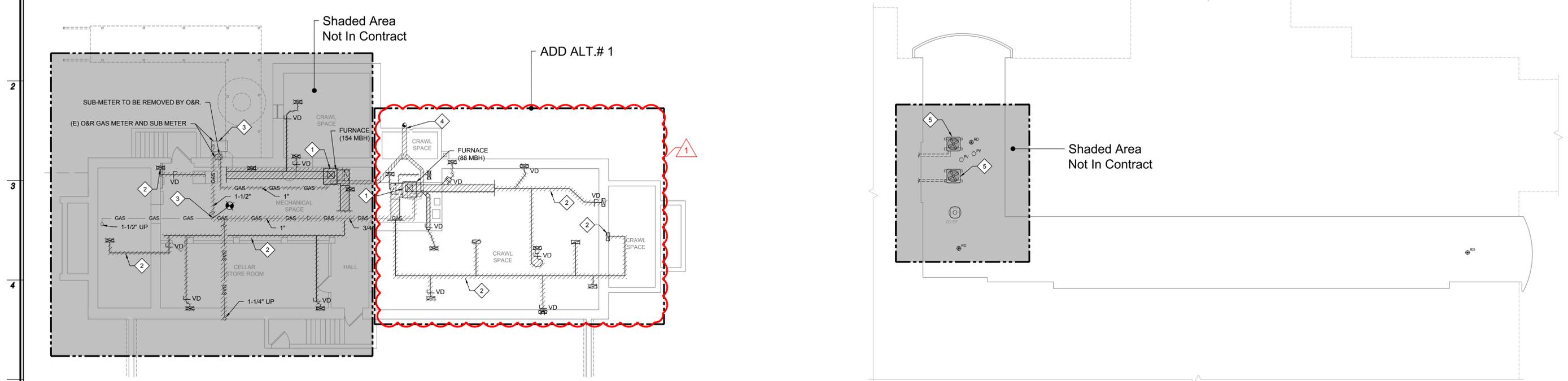
Job No. 41361.04
 File No. 4136104A201

SED PROJECT # 44-21-11-02-6-008-005

1
 A2.01
 Proposed Floor Plan
 3/16" = 1'-0"

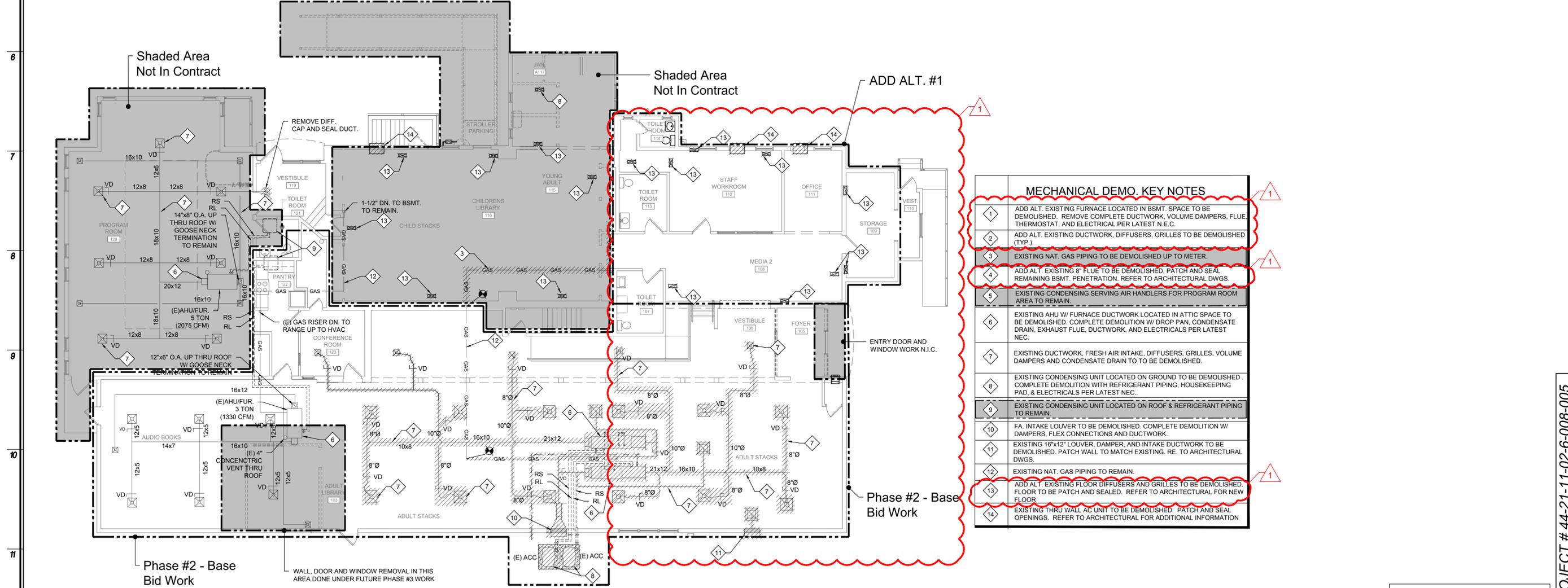
NOTE:
 SHADED AREA
 DENOTES WORK
 THAT IS EXCLUDED
 FROM THIS
 CONTRACT.





1 Mechanical Demolition Basement Floor Plan
1/8" = 1'-0"

3 Mechanical Demolition Roof Plan
1/8" = 1'-0"



2 Mechanical Demolition Floor Plan
1/8" = 1'-0"

MECHANICAL DEMO. KEY NOTES	
1	ADD ALT. EXISTING FURNACE LOCATED IN BSMT. SPACE TO BE DEMOLISHED. REMOVE COMPLETE DUCTWORK, VOLUME DAMPERS, FLUE THERMOSTAT, AND ELECTRICAL PER LATEST N.E.C.
2	ADD ALT. EXISTING DUCTWORK, DIFFUSERS, GRILLES TO BE DEMOLISHED (TYP.).
3	EXISTING NAT. GAS PIPING TO BE DEMOLISHED UP TO METER.
4	ADD ALT. EXISTING 8" FLUE TO BE DEMOLISHED. PATCH AND SEAL REMAINING BSMT. PENETRATION. REFER TO ARCHITECTURAL DWGS.
5	EXISTING CONDENSING SERVING AIR HANDLERS FOR PROGRAM ROOM AREA TO REMAIN.
6	EXISTING AHU W/ FURNACE DUCTWORK LOCATED IN ATTIC SPACE TO BE DEMOLISHED. COMPLETE DEMOLITION W/ DROP PAN, CONDENSATE DRAIN, EXHAUST FLUE, DUCTWORK, AND ELECTRICALS PER LATEST NEC.
7	EXISTING DUCTWORK, FRESH AIR INTAKE, DIFFUSERS, GRILLES, VOLUME DAMPERS AND CONDENSATE DRAIN TO BE DEMOLISHED.
8	EXISTING CONDENSING UNIT LOCATED ON GROUND TO BE DEMOLISHED. COMPLETE DEMOLITION WITH REFRIGERANT PIPING, HOUSEKEEPING PAD, & ELECTRICALS PER LATEST NEC.
9	EXISTING CONDENSING UNIT LOCATED ON ROOF & REFRIGERANT PIPING TO REMAIN.
10	FA. INTAKE LOUVER TO BE DEMOLISHED. COMPLETE DEMOLITION W/ DAMPERS, FLEX CONNECTIONS AND DUCTWORK.
11	EXISTING 16"x12" LOUVER, DAMPER, AND INTAKE DUCTWORK TO BE DEMOLISHED. PATCH WALL TO MATCH EXISTING. RE. TO ARCHITECTURAL DWGS.
12	EXISTING NAT. GAS PIPING TO REMAIN.
13	ADD ALT. EXISTING FLOOR DIFFUSERS AND GRILLES TO BE DEMOLISHED. FLOOR TO BE PATCH AND SEALED. REFER TO ARCHITECTURAL FOR NEW FLOOR.
14	EXISTING THRU WALL AC UNIT TO BE DEMOLISHED. PATCH AND SEAL OPENINGS. REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION.

NOTE:
SHADED AREA DENOTES WORK THAT IS EXCLUDED FROM THIS CONTRACT.

Date: 3/1/21
 Checked: TW
 Drawn: MAM
MICHAEL J. MCGOVERN, P.A.
 REGISTERED ARCHITECT
 License No. 022257-1
Revisions:
 ISSUE FOR BID 03/01/2021
 BID ADDENDUM 03/11/21
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MECHANICAL DEMOLITION FLOOR PLAN
 HVAC UPGRADES & INTERIOR RENOVATIONS, PHASE 2
 GREENWOOD LAKE PUBLIC LIBRARY
 79 WATERSTONE ROAD
 GREENWOOD LAKE, NEW YORK 10925
 Job No. 41361.04
 File No. 4136104M101
M1.01

SED PROJECT # 44-21-11-02-6-008-005

SECTION 011000 – SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Work covered by the Contract Documents.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: **HVAC Upgrades & Interior Renovations at
Greenwood Lake Public Library
79 Waterstone Road
Greenwood Lake, NY 10925**

- B. Owner: **Greenwood Lake Public Library
79 Waterstone Road
Greenwood Lake, NY 10925**

Owner's Representative: Ms. Jill Cronin, Director

- C. Architect: LAN Associates, Engineering, Planning, Architecture, Surveying, LLP (LAN)
252 Main St.
Goshen, NY 10924

- D. The Work consists of the following:

- 1. Interior renovations to reconfigure the existing north entry to the Library.
 - a. Infill the existing interior door and provide a new window W01.
 - b. Remove an existing window and install new door D02 with sidelights.
 - c. Removal of the existing circulation desk and infill of the existing wall between existing circulation desk and Media 2 (108).
 - d. Installation of new flooring and walk-off mat in Foyer (104).
 - e. Note that the existing book-drop and front entry door have been installed in a previous phase of work and are not included in this contract.
- 2. Demolition of (2) existing air handlers at the Adult Stack area including all ductwork, piping, supply & return diffusers, volume dampers, electrical connections, etc. as required and shown on the mechanical and electrical drawings.

3. Demolition of existing gas fired furnace, piping, ductwork, diffusers, grilles, volume dampers, etc. in the basement and crawl space, as required and shown on the mechanical and electrical drawings.
4. Installation of new mechanical equipment.
 - a. Furnish and install new packaged Direct eXpansion (DX) unit RTU-1 serving the Adult Stack area, inclusive of all exterior ductwork, duct insulation, concrete housekeeping pad, curb rails, interior ductwork, supply & return diffusers, connections and modifications to existing gas piping, volume dampers, thermostats and low voltage wiring, electrical connections, etc.
 - b. **ADD ALTERNATE #1:** Contractor shall provide an ADD ALTERNATE price on the bid form to furnish and install new air handler AH-1 and air conditioning condenser ACC-1 serving Staff Workroom (112), Office (111), Storage (109), Media 2 (108), Toilet Room (113), and Toilet Room (107), inclusive of connections and modifications to existing gas piping, new ductwork, supply & return diffusers, volume dampers, duct insulation, line-sets, refrigerant, thermostats & low voltage wiring, electrical connections, venting & flues, etc. as required for a complete and operational installation. Demolition of the furnace located in the basement that serves the Media 2 (108), Storage (109), Office (111), & Staff Workroom (112) area to be demolished in its entirety including but not limited to furnace, ductwork, registers, etc. as part of ADD ALTERNATE #1.
 - c. **ADD ALTERNATE #2:** Contractor shall provide an ADD ALTERNATE price on the bid form to furnish and install new air handler AH-3 and air conditioning condenser ACC-3 serving Vestibule (119), Toilet Room (121), Conference Room (125), and Storage (122), inclusive of connections and modifications to existing gas piping, new ductwork, supply & return diffusers, volume dampers, duct insulation, line-sets, refrigerant, thermostats & low voltage wiring, electrical connections, venting & flues, etc. as required for a complete and operational installation.
 - d. Furnish and install exhaust grilles, volume dampers and ductwork in Toilet Room (107), Toilet Room (113) and Toilet Room (114). Connect to existing Exhaust Fan EF-1 and modify existing ductwork as required to make new connections.
5. Existing lighting in areas affected by mechanical work to be disconnected and removed as required for demolition and installation of new mechanical equipment. Existing lighting to be tagged for location, salvaged, and reinstalled after mechanical work is complete.
6. Relocation of an existing emergency exit sign at the new interior entry door.
7. Removal and replacement of existing ceiling grid and tiles in new Foyer (104). Lighting in this area to be salvaged and reinstalled in new grid.
8. Removal and replacement of existing ceiling tiles & grid in all areas of work only as required for the removal of existing and installation of new mechanical equipment.
 - a. **ADD ALTERNATE #3:** Contractor shall provide an ADD ALTERNATE price on the bid form for the removal and disposal of the existing ceiling tiles, and the installation of new Armstrong Ultima Tegular ceiling tiles in the Adult Stack area, Media 2 (108), Office (111), Staff Workroom (112), Vestibule (105), and Conference Room (125). Total area of ceiling tile replacement is approximately 4,750 square feet.
9. All electrical work associated with the mechanical work required to complete this project.
10. Installation of new electrical and low voltage wiring, boxes, conduits, receptacles, etc. as indicated on the drawings at the location of the new Circulation Desk and adjacent

exterior walls. Note that the new circulation desk itself will be furnished and installed by the Owner and is not part of this contract.

11. The architectural work associated with the Director's Office (127) including new door D04, new windows W2 & W3, and new partitions are not part of this contract and are scheduled as future work. Please note the following:
 - a. Demolition and Proposed mechanical work in the area of Director's Office (127) is in this phase of work and considered part of this contract for construction.
 - b. Existing electrical receptacles, switches, junction boxes, etc. in the area of Director's Office (127) are to remain.
 - c. Existing electrical receptacles, switches, junction boxes, etc. in the existing Director's Office are to remain.
12. All work associated with the Program Room (120), Children's Library (116), Young Adult (115), Family Toilet (A118), Janitor's (A117), & MDF (128) is excluded from this contract. The work in the abovementioned areas was either completed in an earlier phase or is future work.

1.4 TYPE OF CONTRACT

- A. Project will be constructed under a single prime contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 087111 – DOOR HARDWARE SCHEDULE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section references specification sections relating to commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Other doors to the extent indicated.
- B. Commercial door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Cylinders specified for doors in other sections.
- C. Related Sections:
 - 1. Division 08 Section "Hollow Metal Doors and Frames".
 - 2. Division 08 Section "Door Hardware".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. NFPA 70 - National Electrical Code.
 - 4. NFPA 80 - Fire Doors and Windows.
 - 5. NFPA 101 - Life Safety Code.
 - 6. NFPA 105 - Installation of Smoke Door Assemblies.
 - 7. State Building Codes, Local Amendments.
- E. Standards: Reference Related Sections for requirements regarding compliance with applicable industry standards.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door

Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Keying Schedule: Prepared under the supervision of the Owner, separate schedule detailing final keying instructions for locksets and cylinders in writing. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner to approve submitted keying schedule prior to the ordering of permanent cylinders.
- D. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals. The manual to include the name, address, and contact information of the manufacturers providing the hardware and their nearest service representatives. The final copies delivered after completion of the installation test to include "as built" modifications made during installation, checkout, and acceptance.
- F. Warranties and Maintenance: Special warranties and maintenance agreements specified in the Related Sections.

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum [5] years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

- B. Installer Qualifications: Installers, trained by the primary product manufacturers, with a minimum [3] years documented experience installing both standard and electrified builders hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum [5] years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor in good standing by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- D. Source Limitations: Obtain each type and variety of Door Hardware specified in the Related Sections from a single source, qualified supplier unless otherwise indicated.
- E. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the applicable model building code.
- F. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door and Frame Preparation: Division 08 Sections (Steel, Aluminum and Wood) doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

1.8 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. Refer to "PART 3 – EXECUTION" for required specification sections.

PART 3 - EXECUTION

3.1 DOOR HARDWARE SETS

- A. The door hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
- B. The supplier is responsible for handing and sizing all products and providing the correct option for the appropriate door type and material where more than one is presented in the hardware sets. Quantities listed are for each pair of doors, or for each single door.
- C. Products listed in the Door Hardware Sets must meet the requirements described in the specification sections noted.
 - 1. Section 08 71 00 – Door Hardware (unless noted otherwise).
- D. Manufacturer's Abbreviations:
 - 1. MK - McKinney
 - 2. MR - Markar
 - 3. PE - Pemko
 - 4. RI - RITE Door
 - 5. RO - Rockwood
 - 6. YA - Yale
 - 7. RU - Corbin Russwin
 - 8. AD - Adams Rite

- 9. MC - Medeco
- 10. RF - Rixson
- 11. NO - Norton
- 12. GS - ASSA ABLOY Glass Solutions
- 13. CS – Cavity Slider
- 13. OT - OTHER

Hardware Sets

Set: 1.0

Description: Director's Office Sliding Pocket Door

1 ADA Slider Lockset	CL100 ADA Lever	US26D	CS
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Set: 2.0

Description: Office

3 Hinge (heavy weight)	T4A3786 (qty, size, nrp per spec)	US26D	MK
1 Intruder Classroom Lock	AUR 8808-2FL IND IC x temp core	626	YA
2 Electronic Cylinder/Core	By Owner	26	MC
1 Door Stop	401; 404; 441CU (or per spec)	US26D	RO
3 Silencer	608		RO

Set: 3.0

Description: Toilet

3 Hinge (heavy weight)	T4A3786 (qty, size, nrp per spec)	US26D	MK
1 Privacy Lock	AUR 8802FL IND	626	YA
1 Surface Closer	7500 Series	689	NO
1 Kick Plate	K1050 6" 4BE CSK	US32D	RO
1 Door Stop	401; 404; 441CU (or per spec)	US26D	RO
1 Head & Jamb Seal (adhesive)	S88BL		PE
1 Coat Hook	806	US26D	RO

Set: 4.0

Description: MDF, Jan. Clos.

3 Hinge (heavy weight)	T4A3786 (qty, size, nrp per spec)	US26D	MK
1 Storeroom Lock	AUR 8805FL IC x temp core	626	YA
1 Electronic Cylinder/Core	By Owner	26	MC
1 Kick Plate	K1050 6" 4BE CSK	US32D	RO
1 Wall Stop	403	US26D	RO
3 Silencer	608		RO

Set: 5.0

Description: Aluminum Entry

1 Continuous Hinge	CFM-HD1 Series		PE
1 Exit Device (rim, NL, CD)	6105 121NL IC x temp core	630	YA
2 Electronic Cylinder/Core	By Owner	26	MC
1 Pull (offset)	RM2320-40" MP 12XHD	US32D	RO
1 Concealed Overhead Stop	1-X36	630	RF
1 Kick Plate	K1050 6" 4BE CSK	US32D	RO
1 Threshold (coord w/ details)	273x292AFGPK FHSL14SS-2		PE

1 Head & Jamb Gasketing	2891APK		PE
1 Mullion Gasket	5110BL		PE
1 Sweep	315CN		PE
1 Astragal	305CN		PE
1 Electric Strike	9600		HES
1 SMART Pac Bridge Rectifier	2005M3		HES
1 Automatic Opener	6061; 6071; D (as req'd)	689	NO
2 Actuator Button	505		NO

END OF SECTION 087111