



## **Evanston Public Library Ventilation Fan Upgrade**

**Bid # 22-07**

### **ADDENDUM No. 1**

**March 8, 2022**

Any and all changes to the Contract Document are valid only if they are included by written addendum to all potential respondents, which will be mailed, emailed and/or faxed prior to the proposal due date to all who are known to have received a complete bid document. Each respondent must acknowledge receipt of any addenda by indicating on the Bid Form. Each respondent, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid proposal therein. Failure to acknowledge receipt of any addenda may cause the proposal to be rejected. If any language or figures contained in this addendum are in conflict with the original document, this addendum shall prevail.

This addendum consists of the following:

1. Addendum Number One (1) is attached and consists of a total of Three (3) pages.

Please feel free to call (847-866-2910) or email ([lithomas@cityofevanston.org](mailto:lithomas@cityofevanston.org)) with any questions or comments.

Sincerely,

Linda Thomas  
Purchasing Specialist

# **Evanston Public Library Ventilation Fan Upgrade**

**Bid # 22-07**

**ADDENDUM No. 1**

**March 8, 2022**

This addendum forms a part of the Specifications and Bid Documents for Bid #22-07 and modifies these documents. This addendum consists of the following:

## **Drawings**

- 1. Drawings Sheet M100**
2. Location of hoist beam changed from outside of new plenum, to inside the new plenum. Beam was amended to include 2 sections.
3. Fan orientation was changed.
4. Notes I and J were added to General Notes section.

## **Questions:**

### **Question 1:**

Do VFD cables need to run in a raceway, or can they be run exposed? If it needs to be run in a raceway how many cables can share a raceway/trough?

### **Answer 1:**

Please refer to specification section 13.J regarding VFD cabling. This is essentially specialty VFD MC cabling which does not get installed within another raceway. It has aluminum interlocked armor and an outer jacket suitable for use within a plenum.

**Note: Acknowledgment of this Addendum is required in the Bid.**



**Grumman/Butkus Associates**  
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CONSULTANTS

SEAL

MECHANICAL PLAN - NEW WORK

EVANSTON PUBLIC LIBRARY VENTILATION FAN

UPGRADES BID 22-07

1703 ORRINGTON, EVANSTON IL

ISSUES & REVISIONS

NO. DESCRIPTION DATE

1 ISSUES FOR BID 1/26/21

1 ADDENDUM 1 3/26/21

REVISION

SCALE

1 2 4 8

1/4"=1'-0"

DRAWN GXI CHECKED MSB APPROVED JET

PROJECT NO. P21-0304-00

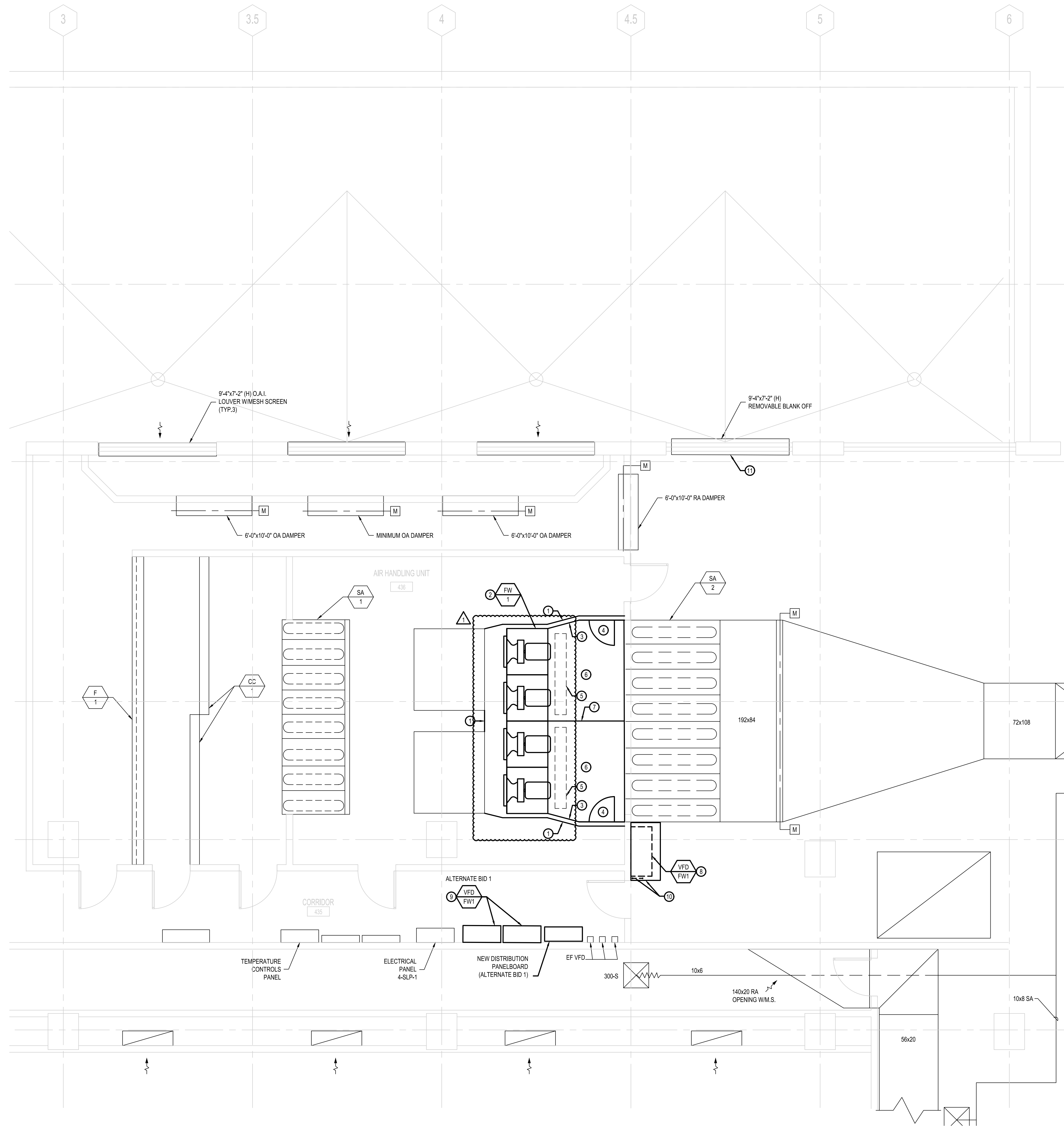
M100

**GENERAL NOTES**

- A. ANY WORK ASSOCIATED WITH REMOVAL OF ANY HAZARDOUS MATERIAL IS BEYOND SCOPE OF THIS CONTRACT. CONTRACTOR SHALL SUSPEND WORK AND NOTIFY OWNER IF PRESENCE OF HAZARDOUS MATERIALS IN WORK AREA IS SUSPECTED.
- B. ANY INTERRUPTION OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE FACILITY MANAGER SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING OPERATION. SHUTDOWN TIMES AND DURATIONS WILL BE BASED ON BUILDING OCCUPANCY AND EXPECTED WEATHER.
- C. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF THE WORK. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
- D. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF PIPING, DUCTWORK AND EQUIPMENT WITH THE WORK OF ALL OTHER TRADES.
- E. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF ANY EXISTING INTERFERENCES AS REQUIRED, INCLUDING EXISTING EQUIPMENT, MATERIALS, PIPING, CONDUIT, HANGERS, DEVICES, ETC., AT NO ADDITIONAL COST.
- F. THE CONTRACTOR SHALL INCLUDE ALL OTHER ITEMS OR WORK REQUIRED TO COMPLETE THE WORK INCLUDING EQUIPMENT MOVING AND RIGGING, CAULKING, SEALING, INSERTS, SUPPORTS, HANGERS, SLEEVES, AND WALL PLATES.
- G. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL REQUIRED FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.
- H. SHOP DRAWINGS AT 1/4"=1'-0" SCALE INDICATING DUCT AND EQUIPMENT LOCATIONS SHALL BE SUBMITTED BY INSTALLING CONTRACTORS FOR ENGINEER'S REVIEW PRIOR TO INSTALLATION. FAILURE TO DO SO MAY RESULT IN THE INSTALLING CONTRACTOR BEING REQUIRED TO RELOCATE SUCH ITEMS AT THE DIRECTION OF THE ENGINEER OR OWNER AT THE CONTRACTOR'S EXPENSE.
- I. CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING, AND INSTALLING ALL THRUST RESTRAINT FOR THE FAN WALL ASSEMBLY.
- J. THERE MUST BE FULL BLANKING ON THE UPSTREAM SIDE OF THE FANS.

**CONSTRUCTION PLAN NOTES**

- 1. PROVIDE 4" HIGH CONCRETE PAD UNDER FAN WALL AND SUPPLY PLENUM. CONCRETE PAD SHALL EXTEND FROM EXISTING SUPPLY FAN PADS TO INLET OF SOUND ATTENUATOR. TIE NEW PAD TO EXISTING PADS WITH REBAR. SEE PHASING PLAN ON DRAWING CS.
- 2. PROVIDE FAN WALL WITH 2X4 FAN ARRANGEMENT INCLUDING ELECTRICAL, PNEUMATIC TUBING FOR AIRFLOW MEASUREMENT AND CONTROLS. FAN WALL SHALL BE FIELD ERIGED. SECURE FAN WALL TO STRUCTURE BELOW SUFFICIENT TO COUNTER FAN THRUST THROUGH ALL OPERATING CONDITIONS. CAULK SEAL FAN HOUSING SEAMS IN BETWEEN FANS ON INLET AND OUTLET SIDE AND AROUND PERIMETER OF FAN ARRAY. SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS, PHASING PLAN ON DRAWING CS, TEMPERATURE CONTROLS AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 3. PROVIDE MINIMUM 16 GA. REINFORCED 690 GALVANIZED SUPPLY PLENUM TO BE FIELD ASSEMBLED TO ENCLOSE FAN WALL AND FORM SUPPLY DUCT FROM FAN WALL TO SOUND ATTENUATOR. ENCLOSURE SHALL BE SECURED TO STRUCTURE BELOW AND COMPLETELY SEALED AND PRESSURE TESTED. SEE PHASING PLAN ON DRAWING CS.
- 4. PROVIDE 24"X60" ACCESS DOOR WITH INSPECTION WINDOW EQUAL TO RUSKIN GPAD. DOOR SHALL OPEN AGAINST 6" W.G. PRESSURE.
- 5. PROVIDE I-BEAM HOIST RAIL FOR FAN/MOTOR SERVICING SIZED TO SUPPORT SINGLE FAN/MOTOR ASSEMBLY OF APPROXIMATELY 500 LBS. SECURE TO STRUCTURE ABOVE. CONTRACTOR TO PROVIDE 1-TON I-BEAM TROLLEY AND CHAIN HOIST.
- 6. PROVIDE MINIMUM 3/16" STEEL DIAMOND TREAD PLATE FLOOR INSIDE OF SUPPLY DUCT. SECURE TO STRUCTURE BELOW.
- 7. PROVIDE PARTITION TO MATCH SUPPLY PLENUM CONSTRUCTION TO ALLOW FOR PHASING. SEE PHASING PLAN ON DRAWING CS.
- 8. BASE BID LOCATION FOR SINGLE VFD CONTROL PANEL. SEE PHASING PLAN ON DRAWING CS AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 9. ALTERNATE BID 1 LOCATION FOR TWO VFD CONTROL PANEL CONFIGURATION WITH EACH PANEL CONTROLLING FOUR FANS EACH. SEE PHASING PLAN ON DRAWING CS AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 10. PROVIDE 16 GA. GALVANIZED DRAIN PAN ABOVE NEW VFD CONTROL PANEL. PROVIDE 3/4" DRAIN CONNECTION AND EXTEND PIPING TO FLOOR.
- 11. CONTRACTOR MAY REMOVE BLANK OFF LOUVER FOR RIGGING OF MATERIALS.



1 MECHANICAL PLAN - NEW WORK