

NOT FOR CONSTRUCTION

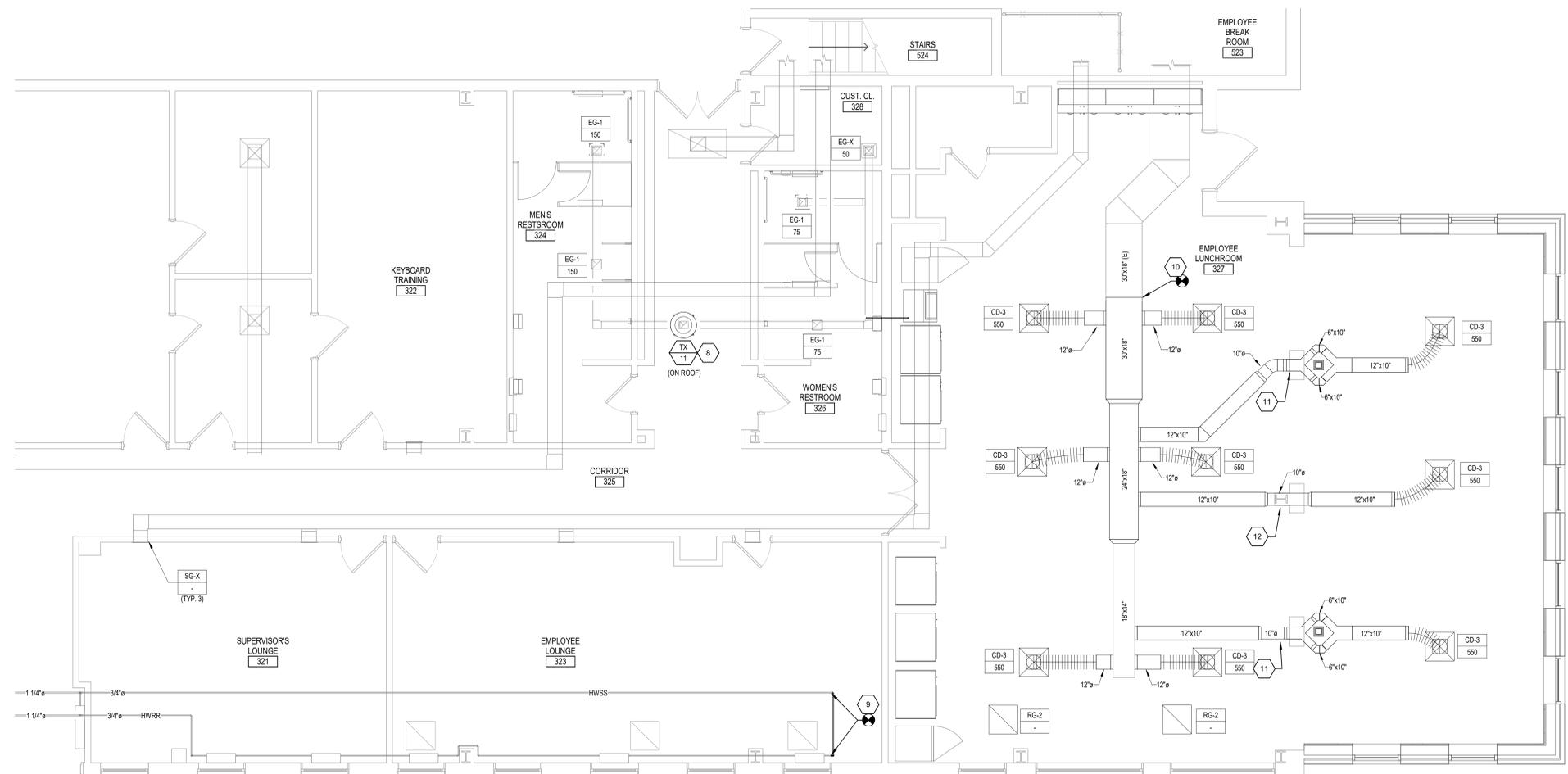
DESIGNER	KAB
PROJECT MANAGER	DLL
DATE	2022.05.04

USPS - MID-HUDSON, NY  
391 GOVERNOR DRIVE  
NEWBURGH, NY 12550

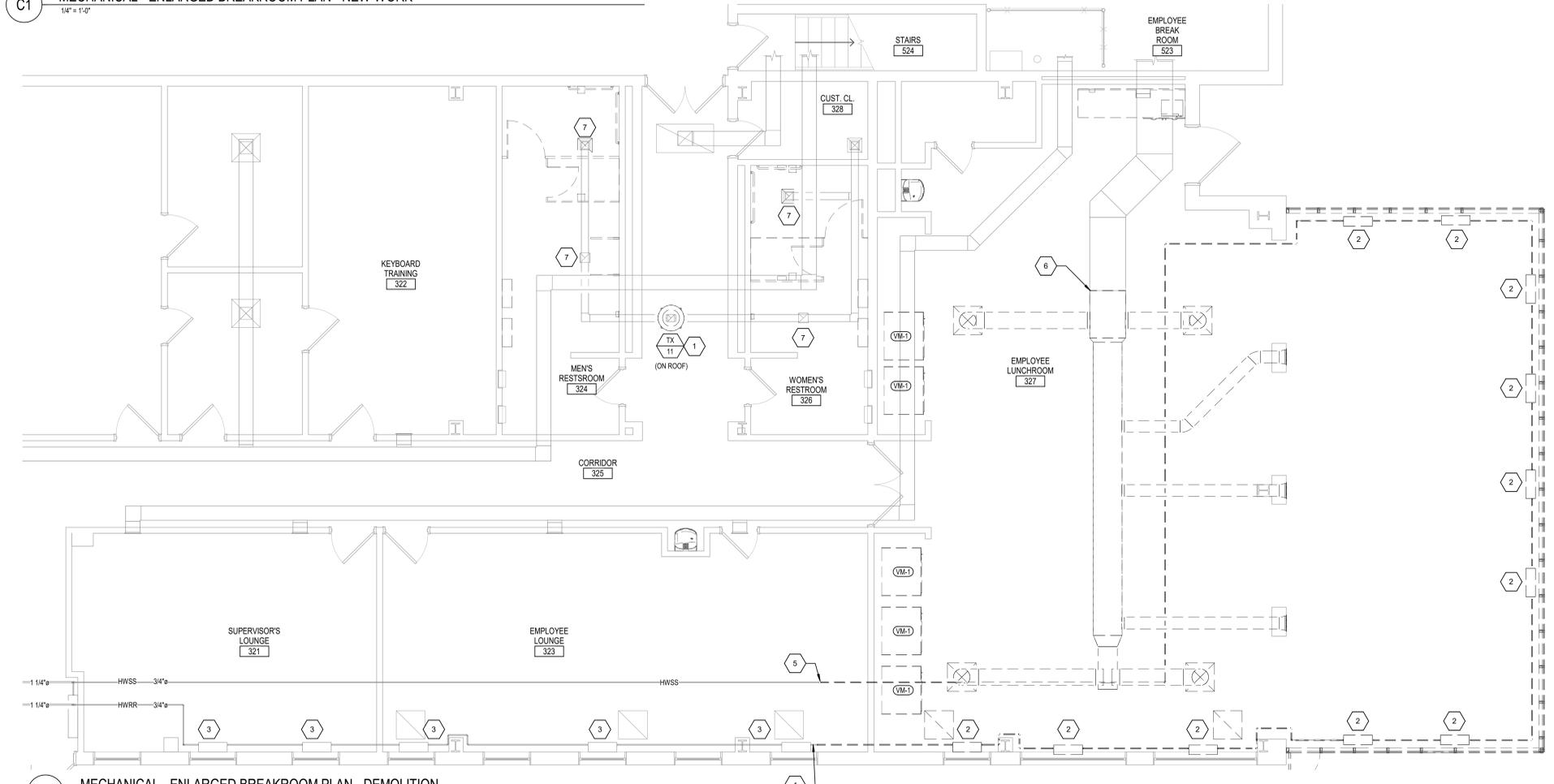


M-102.1  
MECHANICAL ENLARGED PLANS  
Scale: NTS  
Project: USPS - MID-HUDSON, NY  
USPS File Number: 355006-020  
Revisions: 100% OWNER REVIEW  
Date: 02/23/2023

Facilities: 4301 Wilson Blvd., Suite 300, Arlington, VA 22203-1861



C1 MECHANICAL - ENLARGED BREAKROOM PLAN - NEW WORK  
1/4" = 1'-0"



A1 MECHANICAL - ENLARGED BREAKROOM PLAN - DEMOLITION  
1/4" = 1'-0"

**GENERAL NOTES**

- THE MECHANICAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE JOB SITE AND COORDINATE THE INSTALLATION OF MECHANICAL MATERIALS AND EQUIPMENT WITH OTHER CONTRACTORS ON THE SITE PRIOR TO INSTALLATION. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK SHOWN OR IMPLIED ON MECHANICAL SHEETS EXCEPT AS NOTED.
- THE MECHANICAL CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE APPLICABLE BUILDING CODES AND LOCAL ORDINANCES AND GUARANTEE THE INSTALLATION FREE FROM DEFECT FOR A PERIOD OF ONE (1) YEAR AFTER FINAL ACCEPTANCE OF INSTALLATION.
- CONTRACTOR SHALL UTILIZE SERVICES OF A PROFESSIONAL BALANCE CONTRACTOR TO PERFORM AIR AND WATER BALANCES ON ALL HVAC EQUIPMENT TO ACHIEVE THE AIRFLOWS INDICATED AND AS REQUIRED PER THE SPECIFICATIONS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES ON PROJECT.
- ALL NON-FIRE RATED PENETRATIONS OF THE BUILDING WALLS SHALL BE SEALED WITH QUALITY CALK SUBJECT TO THE APPROVAL OF THE ENGINEER.
- ALL POWER WIRING OF EQUIPMENT SHALL BE BY ELECTRICAL CONTRACTOR. ALL LOW VOLTAGE CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR, AND ALL FIRE PROTECTION SIGNAL OR CONTROL WIRING SHALL BE BY FIRE PROTECTION CONTRACTOR. ALL POWER AND CONTROL CONDUITS SHALL BE BY ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY STRUCTURAL ELEMENTS THAT MUST BE CUT AND/OR REMOVED FOR INSTALLATION OF DUCTWORK OR MECHANICAL EQUIPMENT WITH THE APPROVAL OF THE ENGINEER.
- ALL TEMPERATURE SENSORS SHALL BE LOCATED AWAY FROM LOCAL HEAT SOURCES, AIRFLOW FROM SUPPLY GRILLES, AND IN AN AREA WITH REPRESENTATIVE CONDITIONS OF THE ROOM.
- CONTRACTOR SHALL INSTALL ALL LOOSE-SHIPED COMPONENTS FOR THE HVAC EQUIPMENT.
- COORDINATE DUCTWORK AND GRILLE INSTALLATION WITH LIGHTING LAYOUT, STRUCTURAL ELEMENTS, AND ELECTRICAL CONDUITS.
- THE CONTRACTOR SHALL EXECUTE THE WORK IN STRICT ACCORDANCE WITH USPS MPF SPECIFICATIONS AND DRAWINGS. WHERE WORK IS SHOWN ON THE DRAWING AND NOT SPECIFIED OR SPECIFIED AND NOT SHOWN ON DRAWING, THE CONTRACTOR SHALL PROVIDE ALL SUPPLY AIR IN THE EVENT OF A CONFLICT BETWEEN THE USPS MPF SPECIFICATIONS AND DRAWINGS. THE MORE STRINGENT CONDITION SHALL APPLY.
- SEAL ALL PENETRATION WATER-TIGHT.
- SEE USPS MPF SPECIFICATIONS FOR DUCTWORK AND DUCT INSULATION TYPE AND MATERIAL.

**SPECIFICATIONS NOTE**

ALL EQUIPMENT, MATERIALS AND INSTALLATION PRACTICES TO MEET THE REQUIREMENTS AND SPECIFICATIONS DETAILED IN THE MOST RECENT USPS MPF SPECIFICATION.

**PLAN KEYNOTES**

- DISCONNECT AND REMOVE EXISTING EXHAUST FAN LOCATED ON ROOF. REMOVE EXISTING EXHAUST DUCTWORK BACK FOR RECONNECTION UNDER NEW WORK.
- DISCONNECT AND REMOVE EXISTING FINNED TUBE RADIATION ALONG WITH ALL ASSOCIATED VALVING AND CONTROLS.
- EXISTING FINNED TUBE RADIATION TO REMAIN.
- REMOVE EXISTING HEATING HOT WATER RETURN PIPING BACK TO LOCATION INDICATED FOR RECONNECTION UNDER NEW WORK.
- REMOVE EXISTING HEATING HOT WATER SUPPLY PIPING BACK TO LOCATION INDICATED FOR RECONNECTION UNDER NEW WORK.
- REMOVE EXISTING SUPPLY DUCTWORK BACK TO POINT INDICATED FOR RECONNECTION UNDER NEW WORK. CONTRACTOR TO VERIFY ELEVATION AND SIZE OF EXISTING SUPPLY AIR DUCTWORK.
- DISCONNECT AND REMOVE EXISTING EXHAUST GRILLE. EXISTING EXHAUST AIR DUCTWORK TO REMAIN FOR RECONNECTION UNDER NEW WORK. CONTRACTOR TO CLEAN AND INSPECT EXISTING DUCTWORK SERVING GRILLE.
- PROVIDE AND INSTALL NEW EXHAUST FAN ON ROOF. CONTRACTOR TO INSPECT EXISTING ROOF CURB TO VERIFY IT CAN BE REUSED. IF CURB IS IN POOR CONDITION CONTRACTOR TO PROVIDE AND INSTALL NEW 18" TALL CURB. FAN TO BE INSTALLED PER DETAIL ON DRAWING M-001.1 AND EXISTING DUCTWORK SHALL BE EXTENDED TO NEW FAN AND TRANSITION AS REQUIRED. CONTRACTOR TO VERIFY EXACT LOCATION OF FAN AND EXISTING DUCTWORK.
- CONTRACTOR TO THE NEW HEATING HOT WATER SUPPLY PIPING INTO EXISTING AT POINT INDICATED. CONTRACTOR TO FIELD VERIFY EXACT PIPING SIZE AND TIE-IN LOCATION.
- NEW SUPPLY DUCTWORK INTO EXISTING AT POINT INDICATED. CONTRACTOR TO VERIFY ELEVATION AND SIZE OF SUPPLY AIR DUCTWORK.
- SUPPLY AIR DUCTWORK TO BE ROUTED THROUGH EXISTING WALL OPENING THEN SPLIT TO AVOID NEW STRUCTURAL COLUMN. CONTRACTOR TO VERIFY AND CONSTRUCT DUCT TRANSITION.
- SUPPLY AIR DUCTWORK TO BE ROUTED THROUGH EXISTING WALL OPENING.

**HVAC WORK COORDINATION**

COORDINATE ALL HVAC WORK ASSOCIATED WITH THIS WORK WITH ON GOING HVAC UPGRADE PROJECT ENGINEER AND CONTRACTOR.

**DUCTWORK NOTES**

- CONTRACTOR TO FIELD VERIFY ALL DUCTWORK SIZES AND ROUTING PRIOR TO THE START OF CONSTRUCTION.
- ALL DUCTWORK, GRILLES AND DIFFUSERS ARE EXISTING UNLESS OTHERWISE NOTED. THE ONLY NEW DUCTWORK TO BE INSTALLED IS ANY DUCTWORK REQUIRED TO TRANSITION TO NEW EXHAUST FAN. EXISTING DUCTWORK, GRILLES AND DIFFUSERS SHALL BE CLEANED AND ASSESSED. UPON ASSESSMENT IF ANY IS DAMAGED OR DEEMED BEYOND USABLE LIFE CONTRACTOR SHALL REPLACE IN KIND.

**KEYPLAN**

