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C	B C

project

BAY 3 REFIT PROJECT

PROJECT ADDRESS

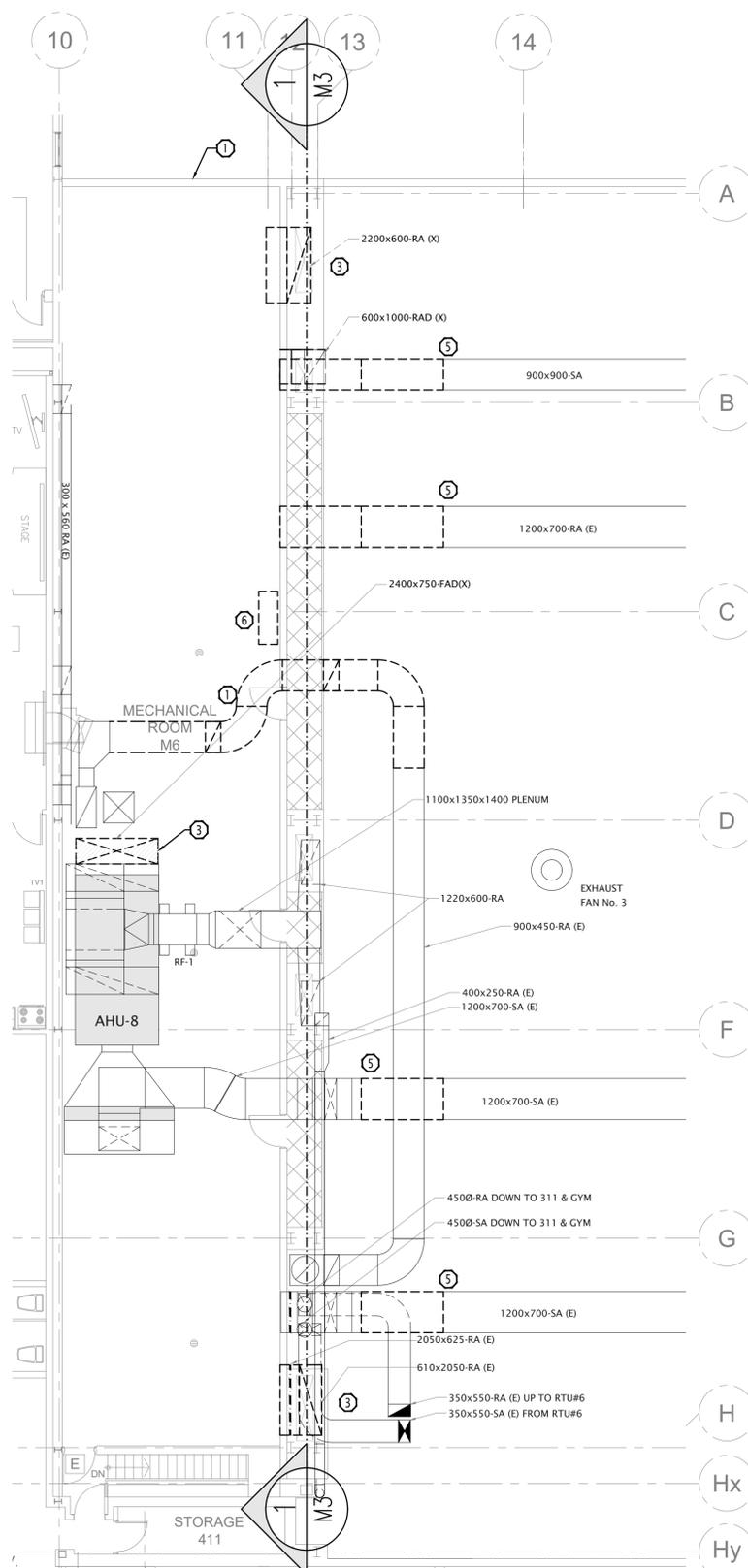
drawing dessin

LEVEL 4 MECHANICAL ROOM M6 PHASE 1 HVAC DEMOLITION & NEW WORK

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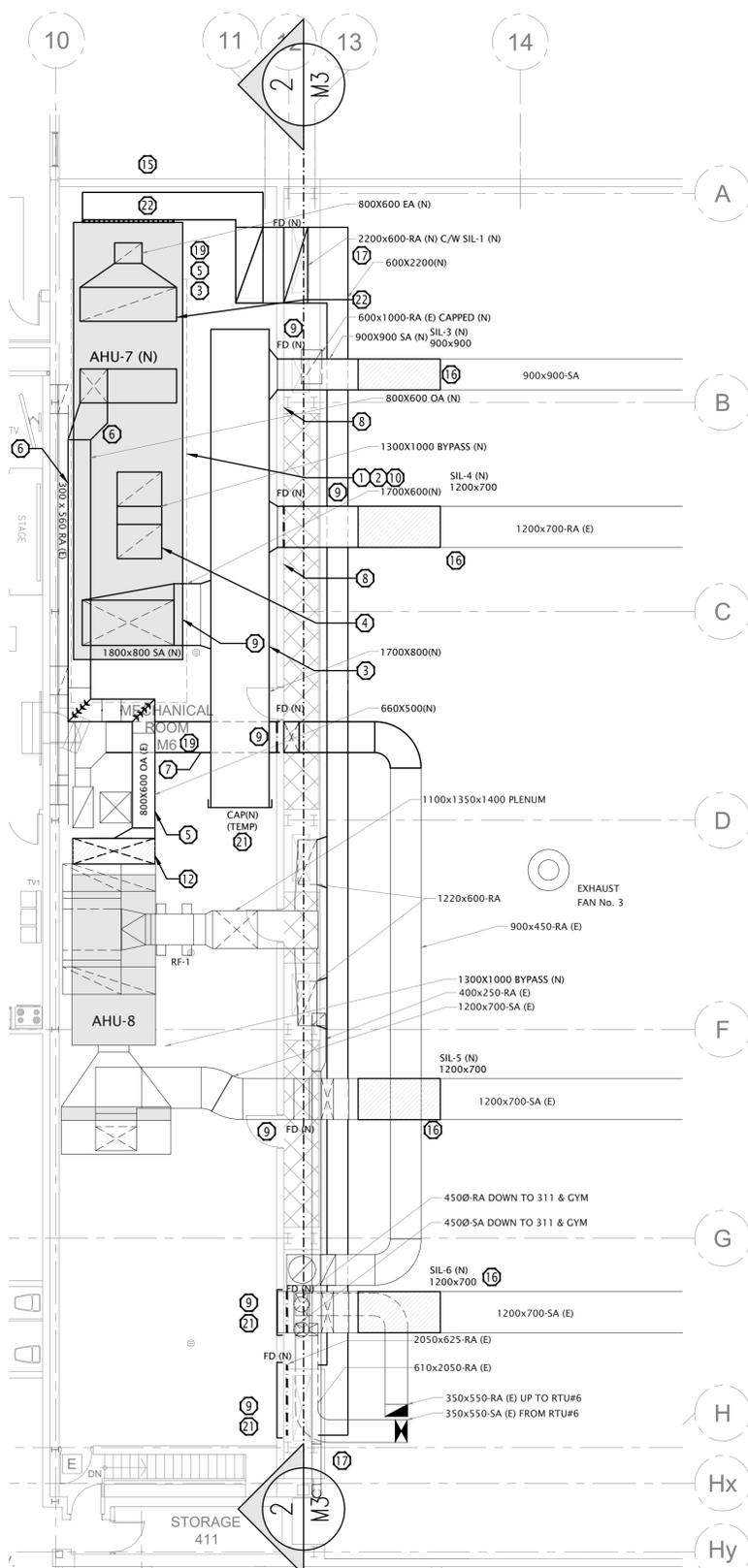
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Drawing no. No. du dessin
M08



1 LEVEL 4 MECHANICAL ROOM M6 PHASE 1 HVAC DEMOLITION
M08 Scale: 1:100

- DESCRIPTION OF HVAC DEMOLITION:**
- REMOVE AHU-5 DUCTWORK INDICATED. CONTRACTOR SHALL COMPLETE THIS WORK AT TIME DIRECTED BY DEPARTMENTAL REPRESENTATIVE. PROVIDE NEW THERMAL INSULATION & TAGGING. CONTRACTOR SHALL REINSTATE DUCT SECTION WITH EASE OF REMOVAL FOR PHASE 2 WORK.
 - REMOVE AND MODIFY OUTDOOR AIR DUCT TO SUIT PHASE 1 SCOPE OF WORK.
 - REMOVE DUCTWORK IN VERTICAL TO ALLOW FOR INSTALLATION OF VERTICAL RETURN DUCT SILENCERS.
 - REMOVE DUCTWORK TO ALLOW FOR INSTALLATION OF DEPARTMENTAL REPRESENTATIVE SUPPLIED SILENCERS IN NEW WORK.
 - REMOVE DUCTWORK TO ALLOW FOR SILENCER INSTALLATION.
 - BAS CONTROLS CONTRACTOR SHALL REMOVE ALL CONTROLS ASSOCIATED WITH REMOVED AHU-7 AND AHU-9. RETAIN ROOM TEMPERATURE AND HUMIDITY SENSORS C/W WIRING FOR REUSE. AHU-9 CONTROLS TO REMAIN.



2 LEVEL 4 MECHANICAL ROOM M6 PHASE 1 HVAC NEW WORK
M08 Scale: 1:100

- DESCRIPTION OF HVAC NEW WORK:**
- NEW AHU-7 SHALL BE MOUNTED DIRECTLY ON THE FLOOR WITHOUT HOUSEKEEPING PAD.
 - INSTALL NEW AHU-7. AHU-7 SUPPLIED BY DEPARTMENTAL REPRESENTATIVE. UNIT CURRENTLY IN SECTIONS IN SPACE.
 - PROVIDE NEW DUCTWORK.
 - PROVIDE EXTERNAL COOLING COIL BYPASS DUCT.
 - PROVIDE NEW RELIEF AIR DUCT C/W 50mm THICK THERMAL INSULATION.
 - PROVIDE NEW OUTDOOR AIR DUCT C/W 50mm THERMAL INSULATION.
 - PROVIDE NEW RETURN DUCTWORK LOWER TO ACCOMMODATE NEW DUCTWORK HEADER.
 - PROVIDE NEW MOTORIZED DAMPERS. DAMPERS SHALL BE PARALLEL TYPE, SPRING RETURN OPEN, 24V.
 - PROVIDE NEW FIRE DAMPERS C/W ACCESS DOORS. ACCESS DOORS SHALL BE IN MECHANICAL ROOM, NOT CLEANROOM.
 - PROVIDE START-UP TESTING & BALANCING FOR AHU-7. START-UP SHALL BE BY UNIT MANUFACTURER. COORDINATE START-UP ACTIVITIES.
 - AHU-7, AND ALL ASSOCIATED DAMPERS AND CONTROLS SHALL BE FULLY OPERATIONAL AT THE COMPLETION OF PHASE 1.
 - CONNECT EXISTING AHU-8 OUTDOOR AIR DUCT TO MODIFIED OUTDOOR AIR DUCT FROM ROOF. PATCH & REPAIR INSULATION AS REQUIRED.
 - AHU-8 (EXISTING) SHALL REMAIN FULLY OPERATIONAL DURING PHASE 1 WORK. MINIMIZE BAY 3 SHUTDOWN TIME BY INSTALLING AHU-7(N) WHILE AHU-8(E) IS OPERATING.
 - ALL WORK TO BE COMPLETED IN CLEANROOM (BAY 3) SHALL BE COMPLETED AT TIME DIRECTED BY DEPARTMENTAL REPRESENTATIVE. REFER TO SPECIAL PRECAUTIONS IN SPECIFICATIONS FOR ALL WORK IN CLEAN ROOMS.
 - PROVIDE NEW DUCTWORK THERMAL INSULATION C/W JACKET AND TAGGING.
 - INSTALL NEW SILENCERS.
 - INSTALL NEW VERTICAL RETURN DUCT SILENCERS
 - ALL DUCTWORK IN MECHANICAL ROOM SHALL BE 18 GAUGE. ALL DUCTWORK IN BAY 3 SHALL BE 14 GAUGE.
 - PROVIDE DUCT JOINTS IN LOCATION FOR EASY REMOVAL OF RETURN DUCT SECTION TO ALLOW FOR INSTALLATION OF AHU-8 IN PHASE 2. REFER TO DRAWING M9.
 - ALL DUCTWORK IN BAY 3 TO BE PAINTED TO MATCH EXISTING COLOURS. ALL DUCTWORK IN MECHANICAL ROOM SHALL BE PAINTED WHITE.
 - PROVIDE TEMPORARY DUCTWORK CAP.
 - PROVIDE PENTHOUSE LOUVER ON ROOF ABOVE CUT ROOF AND REINSTATE ROOFING TO TIE INTO PENTHOUSE LOUVER CURB. PROVIDE C 200x17 STRUCTURAL STEEL FRAMING AROUND OPENING TO ADJACENT STRUCTURE. PENTHOUSE CURB SHALL BE SECURED TO FRAMING. PATCH & REPAIR ROOF. REFER TO DETAIL 5 ON M2 FOR ROOFING DETAILS. COORDINATE PENETRATION THROUGH ROOF TO MAINTAIN 3m DISTANCE FROM DOOR AND OPENINGS ON ROOF.
 - PROVIDE SYSTEM TESTING & BALANCING.
 - BASE BUILDING CONTROLS CONTRACTOR SHALL PROVIDE NEW BAS CONTROLS & INTEGRATION. REFER TO SPECIFICATIONS FOR DETAILS.