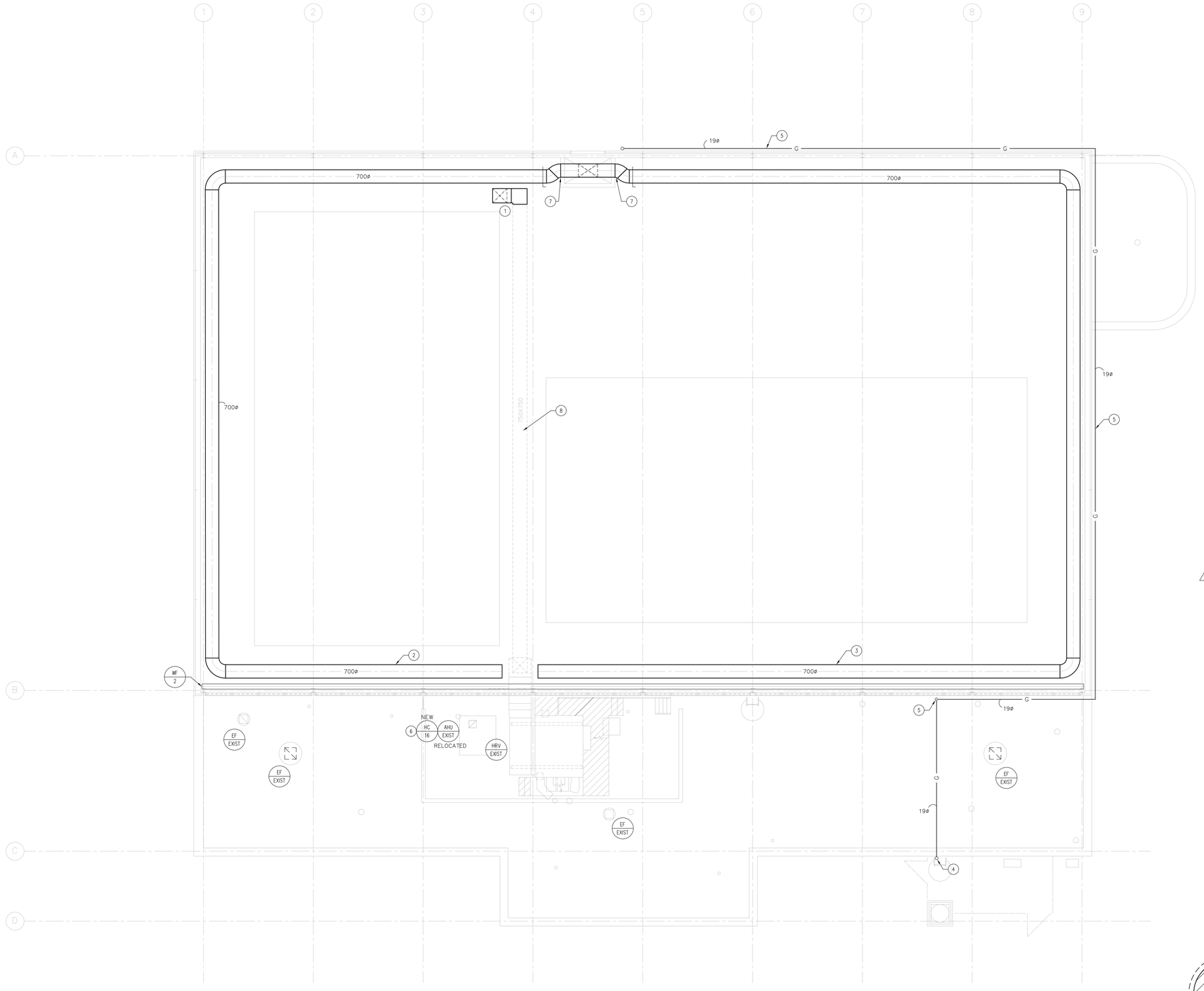


1 M7.0 HIGH LEVEL & LOWER ROOF – MECHANICAL RENOVATION LAYOUT
SCALE: 1:100

GENERAL NOTES:

1. THIS DRAWING IS DIAGRAMMATIC ONLY. DO NOT SCALE.
2. THE MECHANICAL SYSTEMS SHOWN ARE APPROXIMATE IN LOCATION ONLY. CONTRACTOR TO VERIFY EXACT LOCATION OF SYSTEMS BEING MODIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK.
3. ALL WORK SHALL COMPLY WITH THE MOST CURRENT VERSION OF ALL APPLICABLE CODES AND STANDARDS, WHICH SHALL BE CONSIDERED PART OF THESE CONTRACT DOCUMENTS. IN THE CASE OF CONFLICTING REQUIREMENTS, THE MOST STRINGENT REGULATION SHALL PREVAIL.
4. CONTRACTOR TO MAINTAIN CURRENT AND READILY REVIEWABLE AS-BUILT DRAWINGS ACCURATELY REFLECTING SITE INSTALLATIONS.
5. CONTRACTOR TO ENSURE ALL MATERIALS MODIFIED OR INSTALLED IN AN AIR PLENUM ARE RATED FOR SUCH USE.
6. CONTRACTOR TO MAINTAIN DIGITAL PHOTOGRAPHIC RECORDS OF ALL INSTALLATIONS PRIOR TO CONCEALMENT BY SUPPORTING TRADES.
7. EXISTING MECHANICAL BEING RE-INSTALLED TO BE TURNED OVER TO INSTALLING CONTRACTOR IN GOOD CONDITION.
8. DEMOLITION CONTRACTOR TO TAPE AND SEAL OPEN ENDED DUCT AS SECTIONS OF SYSTEM ARE REMOVED.

DRAWINGS NOTES:

(1) CONNECT OUTDOOR AIR DUCT FROM EXISTING HRV TO RETURN DUCT OF NEW AIR HANDLING UNIT BELOW. INSULATE TO MATCH EXISTING. SEE MECHANICAL DRAWING M5.1 FOR CONTINUATION.

(2) INSTALL DUCT WITH 80 X 50MMø HOLE PERFORATION EVENLY SPACED ACROSS ITS LENGTH ALONG WINDOW TO DISCHARGE AT 45 DEGREES TOWARDS GLAZING. (APPROX 960 L/s).

(3) INSTALL DUCT WITH 145 X 50MMø HOLE PERFORATION EVENLY SPACED ACROSS ITS LENGTH ALONG WINDOW TO DISCHARGE AT 45 DEGREES TOWARDS GLAZING. (APPROX 1740 L/s).

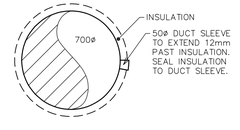
(4) NEW NATURAL GAS LINE TO RISE UP TO TOP OF LOWER ROOF AND RUN SOUTH ALONG ROOF TO EXTERIOR WALL.

(5) NEW NATURAL GAS LINE TO RISE UP TO ALONG WALL TO ABOVE LOWER ROOF PARAPET AND RUN ALONG EXTERIOR WALL TO BACKSIDE OF BUILDING TO CONNECT TO AHU-1.

(6) RELOCATE EXISTING ROOF TOP UNIT AS INDICATED ON MECHANICAL DEMOLITION PLAN M3.0 AND INSTALL IN PLACE OF OTHER DEMOLISHED UNIT. PROVIDE AND INSTALL NEW ELECTRIC HEATING COIL IN OPTIONAL SLOT WITHIN UNIT. HEATING COIL TO BE LENNOX T1EH0225-Y 22.5 KW (PART# 14W37).

(7) SUPPLY AIR DUCTWORK RUNNING ABOVE POOL TO BE UN-INSULATED. DUCTWORK IN SHAFT TO BE INSULATED AS PER MECHANICAL SPECIFICATION 23 07 13.

2 (8) EXISTING OUTDOOR AIR DUCT FROM HRV-1 TO REMAIN. REPAIR INSULATION AS REQUIRED. ALLOW FOR 3000MM LENGTH OF THE 750X750 DUCTWORK TO BE COVERED.



2 M7.0 INSULATED DUCT DETAIL
SCALE: NTS

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ROOF - MECHANICAL RENOVATION LAYOUT

M7.0R1

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