



A ROOF – PROPOSED CONDITIONS – PLAN
 SCALE 1/8"=1'-0" 24"x36" SHEET

GENERAL NOTES

1. PERFORM ALL WORK IN ACCORDANCE TO SMACNA & ASHRAE STANDARDS AS WELL AS ALL LOCAL CODES & BY-LAWS.
2. COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO SPECIFIC DETAILS FOR CUTTING AND SEALING PENETRATIONS THROUGH OPENINGS & FIRE SEPARATIONS.
3. REFER TO WRITTEN SPECIFICATIONS FOR EQUIPMENT AND MATERIAL SPECIFICATIONS AND INSTALLATION REQUIREMENTS.
4. INSULATE ALL REFRIGERATION PIPING AS SPECIFIED.
5. FIELD CONFIRM ALL EXISTING PIPE SIZES & LOCATION OF PIPE PENETRATIONS & PIPING ON ROOF.
6. SUPPORT ALL PIPING TO MEET LOCAL CODE REQUIREMENTS.
7. PERFORM WORK IN ACCORDANCE WITH CSA B52, CANADIAN BUILDING CODE AND ASME B31.5 LATEST EDITIONS.
8. SUPPORT REFRIGERATION PIPING ACCORDING TO CODE.
9. CONTRACTOR TO PAY FOR & OBTAIN ALL NECESSARY PERMITS
10. RE-INSTALL FANS ON NEW ROOF CURBS. REFER TO ARCHITECTURAL DRAWING FOR ROOF CURB DETAILS. COORDINATE WITH ELECTRICAL FOR POWER REQUIREMENTS AND RELATED ELECTRICAL SCOPE OF WORK.
11. INVESTIGATE SITE PRIOR TO CONSTRUCTION TO CONFIRM ALL DIMENSIONS AND INSTALLATION REQUIREMENTS, INCLUDING CRANE REQUIREMENTS.
12. COORDINATE WITH STRUCTURAL & ARCHITECTURAL TO COORDINATE CONDENSING UNIT PLACEMENT ON ROOF.
13. COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND SPECIFICATIONS, INCLUDING PRODUCT TECHNICAL BULLETINS, HANDLING, STORAGE AND INSTALLATION INSTRUCTIONS AND DATA SHEETS.
14. PROVIDE PROTECTION FOR EXISTING CONSTRUCTION, FINISHES AND EQUIPMENT DURING PERFORMANCE OF WORK. PATCH AND REPAIR ANY DAMAGES.
15. EXISTING EQUIPMENT, PIPES AND DUCT LOCATIONS SHOWN ARE APPROXIMATE, CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS SIZES AND HEIGHTS.
16. ALL TEMPORARILY REMOVED EQUIPMENT, DUCTS AND PIPING SHALL BE STORED PROTECTED FROM VANDALISM/THEFT UNTIL REINSTALLED.

KEY NOTES

1. INSTALL NEW SLIP IN ROOF DRAIN USING EXISTING ROOF DRAIN SUMP. REFER TO SPECIFICATIONS FOR DETAILS. REFER TO ARCHITECTURAL.
2. NEW ROOF DRAIN AND ASSOCIATED RWL PIPING. ROUTE PIPING INSIDE DOWN EXTERIOR WALL. PENETRATE EXTERIOR WALL ABOVE LOW ROOF AND DISCHARGE ONTO SPLASH PAD ON LOW ROOF. REFER TO ARCHITECTURAL FOR DETAIL.
3. RELOCATED EXISTING A/C UNIT. EXISTING STACKED CONDENSING UNITS TO REMAIN IN USE, REFER TO ARCHITECTURAL FOR SUPPORT MODIFICATIONS.
4. PLUMBING STACK TO BE EXTENDED THROUGH NEW ROOF CURB AS REQUIRED DUE TO INCREASED INSULATION THICKNESS, AND PROVIDE NECESSARY TIE-IN FITTING. REFER TO ARCHITECTURAL FOR STACK JACK FLASHING SPECIFICATION. ROOFING CONTRACTOR TO PROVIDE INSULATED ROOF JACK.
5. EXISTING FIRE PROTECTION STANDPIPE C/W PIPE SUPPORTS TO REMAIN IN PLACE. PROTECT DURING CONSTRUCTION. NEW CURB WILL BE CONSTRUCTED AROUND EXISTING PIPE, REFER TO ARCHITECTURAL FOR DETAILS.
6. INSTALL NEW THIMBLE FOR EXISTING GENERATOR EXHAUST STACK. APPROVED ROOF THIMBLES SHOULD BE CONSTRUCTED SO THAT THEY EXTEND AT LEAST 23 CM (9 IN) ALL DIRECTIONS FROM THE SURFACE OF THE ROOF. VENTILATION HOLES ARE LOCATED ON BOTH ENDS FOR ROOF THIMBLES. GENERATOR EXHAUST VENT TO REMAIN, NEW CURB WILL BE CONSTRUCTED AROUND EXISTING PIPE/THIMBLE, SEE DETAIL ON M2.2 AND ARCHITECTURAL DETAIL.
7. REINSTALL EXISTING EXHAUST FAN ON NEW ROOF CURB. RECONNECT TO EXISTING DUCTWORK AND ENSURE PROPER FAN OPERATION. REFER TO ARCHITECTURAL FOR DETAIL.
8. DESIGN, SIZE, SUPPLY & INSTALL NEW REFRIGERANT PIPING FROM PITCH POCKETS TO EXISTING A/C UNITS. INSULATE AND JACKET REFRIGERANT PIPING. EXTEND REFRIGERATION PIPING AT SAME SIZE AS EXISTING TO ACCOMMODATE NEW ROOF CURB INSTALLATION. CHARGE SYSTEM WITH REFRIGERANT, WEIGH IN REFRIGERANT AND OIL TO MANUFACTURER'S O&M REQUIREMENTS. INSULATE REFRIGERATION PIPING & SUPPORT PIPING AS SPECIFIED AND/OR DETAILED. REFER TO ARCHITECTURAL FOR ROOF CURB DETAIL.
9. DUCTWORK, HOOD AND ASSOCIATED SUPPORTS TO BE INSTALLED. PROVIDE AND INSTALL NEW DUCT NECESSARY TO EXTEND DUCT THROUGH NEW ROOF CURB REFER TO ARCHITECTURAL FOR ROOF CURB FLASHING DETAIL.
10. REINSTALL WATER TANKS ON ROOF. RECONNECT TO EXISTING PIPING. INSULATE AND JACKET PIPING AS SPECIFIED.
11. LARGE DIAMETER CONDENSATE PIPING TO REMAIN. PROTECT DURING CONSTRUCTION.



PROJECT:
City Hall Administration Building Roof Replacement
 510 Main Street
 CLIENT:
City of Winnipeg

APPROVED BY:
I. Urquhart
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M2.1

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