



2 KEY PLAN
M4.1 SCALE: NTS



1 WAREHOUSE ROOF PLAN
M4.1 SCALE: 1:125

GENERAL NOTES:

- THIS DRAWING IS DIAGRAMMATIC ONLY. DO NOT SCALE.
- 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.
- ALL WORK SHALL COMPLY WITH THE MOST CURRENT VERSION OF ALL APPLICABLE CODES AND STANDARDS, WHICH SHALL BE CONSIDERED PART OF THIS SPECIFICATION. IN THE CASE OF CONFLICTING REQUIREMENTS, THE MOST STRINGENT REGULATION SHALL PREVAIL.
- CONTRACTOR TO MAINTAIN DIGITAL PHOTOGRAPHIC RECORD OF ALL INSTALLATIONS PRIOR TO CONCEALMENT BY SUPPORTING TRADES.
- ALL PIPING IN RETURN AIR PLENUM SHALL BE RATED FOR SUCH USE.
- PROVIDE CLEANOUTS WHERE REQUIRED BY CODE AND SHOWN ON DRAWING. CLEANOUTS INSTALLED IN FLOOR SHALL BE BRASS AND INSTALLED FLUSH WITH FLOOR.
- ALL PLUMBING VENT PIPING SHALL BE RATED FOR USE IN RETURN AIR PLENUM.
- ALL DUCT DIMENSIONS DENOTED REFER TO INTERNAL OPEN AREA OF THE DUCT.
- PROVIDE FIRE DAMPERS AT EACH LOCATION WHERE A DUCT PENETRATES A FIRE SEPARATION OR FIRE WALL IN ACCORDANCE TO NFPA 90A. REFER TO ARCHITECTURAL FOR LOCATIONS OF FIRE SEPARATIONS AND FIRE WALLS, AND THEIR RATINGS.
- PROVIDE CEILING DAMPERS FOR ALL DIFFUSER, GRILLES, OR REGISTERS LOCATED IN FIRE RATED CEILINGS IN ACCORDANCE TO NFPA 90A. REFER TO ARCHITECTURAL FOR LOCATIONS OF FIRE RATED CEILINGS, DIFFUSERS, GRILLES, AND REGISTERS TO BE PROTECTED BY CK 2000 THERMAL BLANKET WHERE REQUIRED.

DRAWING NOTES:

- UNIT HEATER 150# COMBUSTION AIR AND 100# EXHAUST VENT. TERMINATE ABOVE ROOF IN ACCORDANCE TO MANUFACTURERS LITERATURE AND LOCAL GAS CODES. REFER TO DETAILS 2A/M5.1, & 2B/M5.1.
- SANITARY VENTS ABOVE ROOF. TERMINATE IN ACCORDANCE TO PLUMBING CODE WITH INCREASE OF ONE PIPE DIAMETER PIPE SIZE FOR FROST.
- 1500X1500X600 ALUMINUM LOUVRED INTAKE AIR INSULATED PENTHOUSE C/W BIRD SCREEN. MOUNT ON 600MM HIGH CURB. REFER TO 5/M6.1
- 1000X1000X600 ALUMINUM LOUVRED EXHAUST AIR INSULATED PENTHOUSE C/W BIRD SCREEN. MOUNT ON 600MM HIGH ROOF CURB. REFER TO 5/M6.1
- GAS REGULATOR VENTS THROUGH ROOF. TERMINATE IN ACCORDANCE TO NATIONAL GAS CODES.
- NEW 500X250 FRESH AIR INTAKE AND RELIEF GOOSENECK ON EXISTING WAREHOUSE ROOF FOR AHU-1A. REFER TO DETAIL 3/M6.1 FOR DUCT BARRIERS.
- 600X300 GOOSENECK EXHAUST FROM ERV-1A. REFER TO DETAIL 3/M6.1.
- REFER TO DETAIL 4/M6.1 FOR CANOPY ROOF DRAIN.
- REFER TO DETAIL 9/M6.1 FOR ROOF DRAIN.
- 450X450X500 ALUMINUM LOUVRED EXHAUST AIR INSULATED PENTHOUSE C/W BIRD SCREEN. MOUNT ON 600MM HIGH ROOF CURB. REFER TO 5/M6.1



DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
0	ISSUED FOR CONSTRUCTION	2016/11/02

Client/client

PUBLIC WORKS AND GOVERNMENT SERVICES AGENCY

Project title/Titre du projet
EMERSON, MANITOBA HIGHWAY 75, UNITED STATES BORDER
EXPANSION AND REDEVELOPMENT OF THE EMERSON PORT OF ENTRY

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Client/client

Drawing title/Titre du dessin
WAREHOUSE ROOF PLAN