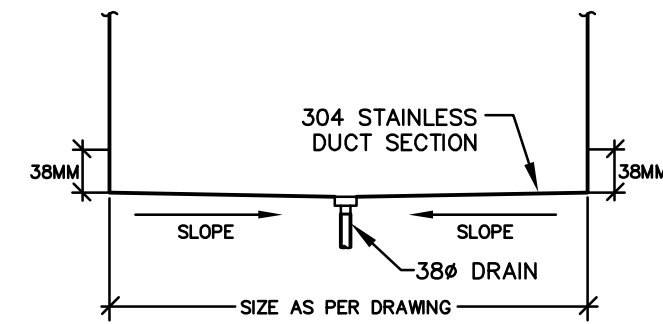


| FIXTURE DESCRIPTION | SANITARY CONNECTION | | DOMESTIC COLD H ₂ O CONNECTION | | DOMESTIC HOT H ₂ O CONNECTION | |
|---------------------|---------------------|-----|---|----|--|----|
| | INCHES | MM | INCHES | MM | INCHES | MM |
| SHOWER/EYEWASHES | 1-1/4 | 32ø | 1 | 25 | 1 | 25 |
| FLOOR DRAINS | 3 | 75ø | | | | |
| HOSE BIBB | | | 3/4 | 19 | | |

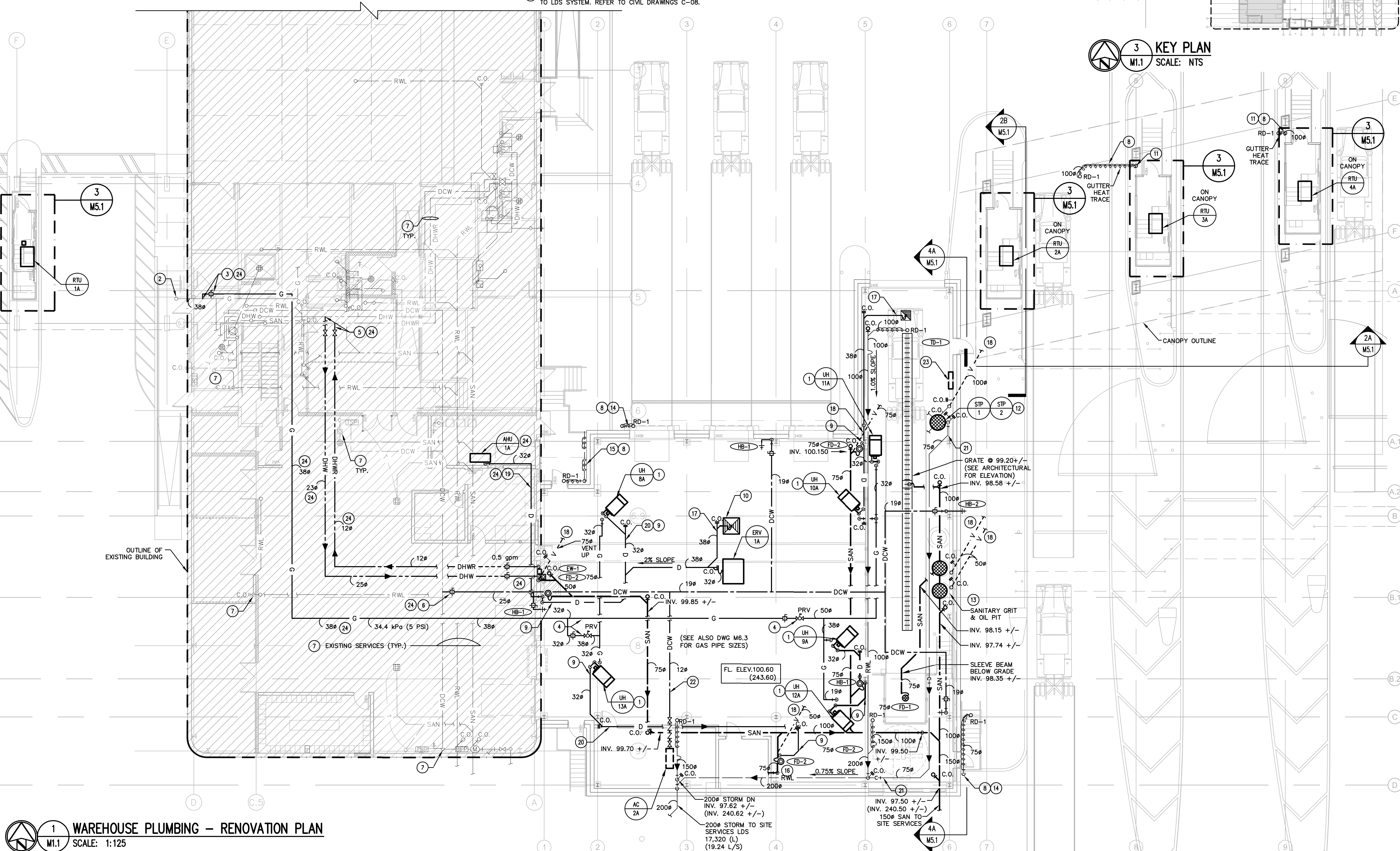
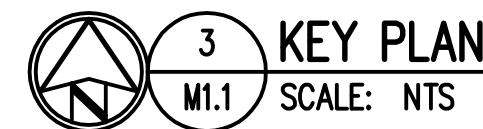
1. THIS DRAWING IS DIAGRAMMATIC ONLY. DO NOT SCALE.
2. THE MECHANICAL SYSTEMS SHOWN ARE APPROXIMATE IN LOCATION ONLY. CONTRACTOR TO VERIFY EXIST LOCATION OF SYSTEMS BEING MODIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK.
3. ALL WORK SHALL COMPLY WITH THE MOST CURRENT VERSION OF ALL APPLICABLE CODES AND STANDARDS, WHICH SHALL BE CONSIDERED PART OF THIS SPECIFICATION. IN THE CASE OF CONFLICTING REQUIREMENTS, THE MOST STRINGENT REGULATION SHALL PREVAIL.
4. CONTRACTOR TO MAINTAIN DIGITAL PHOTOGRAPHIC RECORD OF ALL INSTALLATIONS PRIOR TO CONCEALMENT BY SUPPORTING TRADES.
5. ALL PIPING IN RETURN AIR PLENUM SHALL BE RATED FOR SUCH USE.
6. PROVIDE CLEANOUTS WHERE REQUIRED BY CODE AND SHOWN ON DRAWING. CLEANOUTS INSTALLED IN FLOOR SHALL BE BRASS AND INSTALLED FLUSH WITH FLOOR.
7. REFER TO GAS LOAD SCHEMATIC 1/M6.3 FOR SYSTEM DETAILS.

- 1 NEW GAS FIRED CONDENSING UNIT HEATERS.
- 2 EXISTING 388 5 PSI (34.4 kPa) GAS PIPE FROM EXISTING GAS SERVICE.
- 3 CONNECT NEW 388 NATURAL GAS SUPPLY AT THIS APPROXIMATE LOCATION ABOVE T-BAR CEILING. PROVIDE ISOLATION VALVE.
- 4 PROVIDE NEW GAS REGULATOR 5 PSI (34.4 kPa) TO 7" (1.75 kPa) W.C. GAS PRESSURE. EXTEND VENT THRU ROOF C/W WITH ROOF PIPE FLASHING.
- 5 CONNECT NEW 25# DHW AND 12# DHWR C/W ISOLATION VALVE TO EXISTING SUPPLY IN STORAGE RM 22E CEILING.
- 6 CONNECT NEW 25# DCW C/W ISOLATION VALVE.
- 7 EXISTING/ FIXTURE / PIPING / SERVICES TO REMAIN UNLESS NOTED OTHERWISE HEREIN. SHOWN FOR INFORMATION ONLY.
- 8 EXPOSED NON INSULATED RAIN WATER LEADER PIPE. DISCONNECT TO PROVIDE HAT TRACE CABLE TO 18" DEPTH OF DRAIN PIPE FROM ROOF HOPPER DOWN TO STORM BELOW GRADE (LDS). COORDINATE WITH ELECTRICAL TRADES FOR GAS AND CONNECTIONS. REFER TO DETAIL 4/M6.1.
- 9 PVC DRAIN LINE FROM GAS UNIT HEATERS AT HIGH LEVEL DRAIN DOWN TO INDIRECT CONNECTION AT FUNNEL FLOOR DRAIN BELOW.
- 10 OUTDOOR AIR INTAKE. SEE DRAWINGS 1/M4.1, & 1/M2.1.
- 11 RAIN WATER LEADER FROM CANOPY DRAIN TO CONNECT TO LIDS SYSTEM. REFER TO CIVIL DRAWINGS C-08.

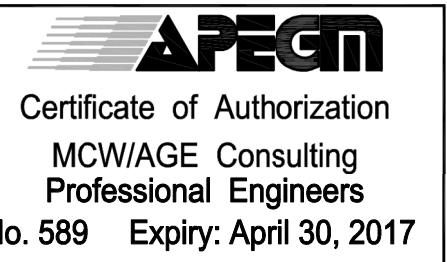
- (12) REFER TO DETAIL 2/M6.1.
- (13) REFER TO DETAIL 6/M6.1.
- (14) SPILL TO GRADE. PROVIDE HEAT TRACE TO INTERIOR OF DRAIN PIPING.
- (15) SPILL TO GRADE - RUN BELOW GRATED STEEL PLATFORM TO SPILL CLEAR OF BUILDING. PROVIDE HEAT TRACE TO INTERIOR OF DRAIN PIPING.
- (16) CPVC SCHED 40 DRAIN LINE (19") FROM A/C-2A UNIT DOWN TO INDIRECT CONNECTION AT FUNNEL FLOOR DRAIN FD-2 BELOW.
- (17) DRAIN LINE (38") FROM OUTSIDE AIR PLenum DUCT, REFER TO DRAWING M2.1 FOR DUCT LAYOUTS.
- (18) VENT THROUGH ROOF.
- (19) 32# CONDENSATE DRAIN FROM AHU-1. EXTEND TO NEW FD-2 IN WAREHOUSE 240.
- (20) EQUIPMENT DRAINS AT HIGH LEVEL.
- (21) 75# SUMP PIT PUMP OUT LINE FROM STORM SUMPS CONNECT TO STORM LEADER AT VERTICAL ABOVE GRADE. REFER TO DETAIL 2/M6.1.
- (22) PROVIDE 12" DCW TO A/C-2A COMPLETE WITH DOUBLE CHECK VALVE ASSEMBLY (DCVA).
- (23) LEAD/LAG PUMP CONTROL PANEL.
- (24) NEW WORK IN EXISTING BUILDING AREAS.



2 KEY PLAN
M1.1 SCALE: NTS



 1 WAREHOUSE PLUMBING – RENOVATION PLAN
M1.1 SCALE: 1:125



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| 0 | ISSUED FOR CONSTRUCTION | 2016/11/0 |
| Revision/ Revision | Description/Description | Date/Date |
| 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**

Approved by/Approve par
AL
 Designed by/Concept par
CD/AL
 Drawn by/Dessine par
KL
 WGCSC Project Manager/Administrateur de Projets TPSGC
JAMES HUTCHINGS
 WGCSC, Architectural and Engineering Resources Manager/
 Ressources Architectural et de Directeur d'Ingénierie, FPSGC
 Client/client

**WAREHOUSE PLUMBING -
RENOVATION PLAN**

| | | |
|--|--|---|
| Project No./No. du projet R.068431.001 | Sheet/ Feuille M1.1 2 OF 11 | Revision no. La Révision no. 0 |
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