



KEY PLAN

- KEY NOTES**
- 1 NEW H600-MUA, NORMAL CONDITIONS, 9152 L/S, 74.7 Pa, DIRECT FIRED MAKE-UP AIR UNIT, (4200Lx2200Wx2000H 3000 KG WEIGHT, PRELIMIN. APPROX.); INSTALL UNIT ON EXISTING CONCRETE HOUSE KEEPING PAD, AT LOCATION SHOWN.
 - 2 NEW H650-MUA, NORMAL CONDITIONS, 9152 L/S, 74.7 Pa, DIRECT FIRED MAKE-UP AIR UNIT, (4200Lx2200Wx2000H 3000 KG WEIGHT, PRELIMIN. APPROX.); INSTALL UNIT ON EXISTING CONCRETE HOUSE KEEPING PAD, AT LOCATION SHOWN.
 - 3 NEW H700-MUA, 2980 L/S, 154.6 Pa, DIRECT FIRED MAKE UP AIR UNIT (2850Lx1350Wx900H); INSTALL UNIT ON EXISTING CONCRETE HOUSEKEEPING PAD, AT LOCATION SHOWN.
 - 4 NEW H725-MUA, 2540 L/S, 81.3 Pa, DIRECT FIRED MAKE UP AIR UNIT (2850Lx1350Wx900H); INSTALL UNIT ON EXISTING CONCRETE HOUSEKEEPING PAD, AT LOCATION SHOWN.
 - 5 NEW HYDRONIC UNIT HEATER, H765-UH, -KW TO PROVIDE MECHANICAL ROOM HEAT. UNIT TO BE CONNECTED TO EXISTING GLYCOL HYDRONIC HEATING SYSTEM. SEE HOOK-UP PIPING DETAIL AND PIPING SCHEMATIC. NOTE FINAL LOCATION TO BE DETERMINED
 - 6 EXISTING HIGH PRESSURE WASHER HEATER, H695-PWH, TO REMAIN IN SERVICE
 - 7 EXISTING DOMESTIC WATER HEATER AND HOT WATER STORAGE TANK TO REMAIN IN SERVICE.
 - 8 EXISTING HYDRONIC HEATING BOILER H755-GH, TO REMAIN IN SERVICE.
 - 9 EXISTING HYDRONIC HEATING BOILER H750-GH, TO REMAIN IN SERVICE.
 - 10 EXISTING NORTH AIR INTAKE PLENUM TO REMAIN IN SERVICE; MODIFIED TO SUIT NEW INTAKE ARRANGEMENT.
 - 11 EXISTING SOUTH AIR INTAKE PLENUM TO REMAIN IN SERVICE, MODIFIED TO SUIT NEW INTAKE ARRANGEMENT.
 - 12 EXISTING HYDRONIC HEATING SYSTEM GLYCOL FILL STATION, EXPANSION TANK AND HYDRONIC PIPING TO REMAIN IN SERVICE.
 - 13 EXISTING 100mm HIGH CONCRETE HOUSEKEEPING PADS, TO BE RE-USED.
 - 14 EXTEND EXISTING CONCRETE HOUSEKEEPING PAD TO PLENUM WALL (APPROX. 250mm LONG), TO ACCOMMODATE NEW H725-MUA LOCATION
 - 15 NEW MUA'S ELECTRICAL PANEL AT THIS LOCATION; SEE ELECTRICAL FOR DETAILS

GENERAL NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND PROVINCIAL MECHANICAL ENGINEERING & INSPECTIONS BRANCH REQUIREMENTS.
2. COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO SPECIFIC DETAILS FOR CUTTING AND SEALING PENETRATIONS THROUGH OPENINGS & FIRE SEPARATIONS.
3. REFER TO TECHNICAL SPECIFICATIONS FOR EQUIPMENT AND MATERIAL SPECIFICATIONS AND INSTALLATION CONSTRUCTION AND PHASING REQUIREMENTS.
4. INSULATE DUCTWORK WHERE INDICATED AND SPECIFIED.
5. SUPPORT ALL DUCTWORK TO MEET CODE REQUIREMENTS & ESTABLISHED INDUSTRY TRADE PRACTICES, (SMACNA, ASHRAE).
6. INVESTIGATE SITE PRIOR TO CONSTRUCTION TO CONFIRM ALL DIMENSIONS AND INSTALLATION REQ'S.
7. PERFORM ALL CUTTING & PATCHING NECESSARY FOR ANY REQUIRED OPENINGS.
8. PROVIDE TAB TO ENSURE AIR DISTRIBUTION TO VOLUMES INDICATED.
9. NOT ALL EQUIPMENT/PIPING, ETC. IS SHOWN.

A AREA H - MECHANICAL ROOM - NEW EQUIP. PLAN AT EL. 248.500
SCALE 1:50

APEN
Certificate of Authorization
Alliance Engineering Services Inc.
No.2906 Date: _____

B.M. ELEV.	FIELD BOOK #:
POSTED TO LBIS	
00 ISSUED FOR TENDER	2010-12-21 AFG
NO. REVISIONS	DATE BY

ALLIANCE
Engineering Services Inc.

DESIGNED BY JC/AS	CHECKED BY AFG
DRAWN BY AS	APPROVED BY
HOR. SCALE 1:50	RELEASED FOR CONSTRUCTION
VERTICAL	DATE
DATE 2010-06-23	DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
A.F.G.
GOSSEN
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT DRAWING NO. HM2.1

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
Winnipeg

2010 HVAC REPLACEMENT AND ASSOCIATED WORKS
WEWPCC
AREA H - HEADWORKS
MECHANICAL ROOM NEW EQUIPMENT - PLAN

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0103G-M0017-001