



- KEY NOTES**
- EXISTING INDIRECT FIRED MAKE-UP AIR UNIT, H600-MUA, 9152 I/S TO BE REMOVED; APPROX. DIM'S 4650Lx3100Wx1600H, WEIGHT 3500 Kg. EXISTING 100mm HIGH HOUSEKEEPING PAD TO REMAIN. REMOVE EXISTING CHIMNEY. OPENING TO BE RE-USED FOR COMBUSTION AIR. DISCONNECT AND REMOVE N.GAS LINE TO EXTENT REQUIRED, INCLUDING ISOLATION VALVE AND GAS REGULATOR. CUT MUA INTAKE DUCT TO ALLOW FOR NEW TRANSITION REQUIRED FOR NEW MUA INTAKE OPENING
  - EXISTING INDIRECT FIRED MAKE-UP AIR UNIT, H650-MUA, 9152 I/S TO BE REMOVED; APPROX. DIM'S 4650Lx3100Wx1600H, WEIGHT 3500 Kg. EXISTING 100mm HIGH HOUSEKEEPING PAD TO REMAIN. REMOVE EXISTING CHIMNEY EXISTING OPENING TO BE RE-USED FOR ROOM VENTILATION DISCONNECT AND REMOVE N.GAS LINE TO EXTENT REQUIRED, INCLUDING ISOLATION VALVE AND GAS REGULATOR. CUT MUA INTAKE DUCT TO ALLOW FOR NEW TRANSITION REQUIRED FOR NEW MUA INTAKE OPENING
  - EXISTING INDIRECT FIRED AIR HANDLING UNIT, H700-AHU, 2643 I/S TO BE REMOVED; APPROX. DIM'S 4800Lx1900Wx920H, WEIGHT 1900 Kg. EXISTING 100mm HIGH HOUSEKEEPING PAD TO REMAIN. REMOVE EXISTING CHIMNEY. REMOVE EXISTING ROOF CURB AND RESTORE ROOF; DISCONNECT AND REMOVE N.GAS LINE TO EXTENT REQUIRED, INCLUDING ISOLATION VALVE AND GAS REGULATOR. CUT MUA INTAKE DUCT TO ALLOW FOR NEW TRANSITION REQUIRED FOR NEW MUA INTAKE OPENING
  - EXISTING INDIRECT FIRED MAKEUP AIR UNIT, H725-MUA, 2643 I/S TO BE REMOVED; APPROX. DIM'S 3600Lx1750Wx920H, WEIGHT 1625 Kg. EXISTING 100mm HIGH HOUSEKEEPING PAD TO REMAIN. REMOVE EXISTING CHIMNEY. REMOVE EXISTING ROOF CURB AND RESTORE ROOF; SEE STRUCTURAL DRAWING HS2.2 FOR DETAILS. DISCONNECT AND REMOVE N.GAS LINE TO EXTENT REQUIRED, INCLUDING ISOLATION VALVE AND GAS REGULATOR. CUT MUA INTAKE DUCT TO ALLOW FOR NEW TRANSITION REQUIRED FOR NEW MUA INTAKE OPENING
  - EXISTING HYDRONIC MAKEUP AIR UNIT, H765-MUA, 944 I/S; APPROX. DIM'S 2000Lx800Wx500H, WEIGHT N/A, SUSPENDED IN CEILING SPACE, TO BE REMOVED. DISCONNECT EXISTING GR & GS PIPING AND REMOVED BACK. CUT AND REMOVE EXISTING INTAKE DUCT UP TO EXISTING END AIR PLENUM. REWORK EXISTING WALL OPENING TO MATCH EXISTING WALL. SEE STRUCTURAL DRAWING HS2.2 FOR DETAILS. NOTE REMOVE EXISTING HYDRONIC HEATING PIPING BACK TO WEST WALL, TO ALLOW FOR NEW INTAKE PLENUM INSTALLATION
  - EXISTING HIGH PRESSURE WASHER HEATER, H695-PWH, TO REMAIN IN SERVICE
  - EXISTING EL. DOMESTIC WATER HEATER AND HOT WATER STORAGE TANK TO REMAIN IN SERVICE.
  - EXISTING HYDRONIC HEATING BOILER H755-GH, TO REMAIN IN SERVICE.
  - EXISTING HYDRONIC HEATING BOILER H750-GH, REMAIN IN SERVICE.
  - EXISTING NORTH AIR INTAKE PLENUM TO REMAIN IN SERVICE
  - EXISTING SOUTH AIR INTAKE PLENUM TO REMAIN IN SERVICE
  - EXISTING NORTH AIR INTAKE PLENUM FRP HOOD TO BE REMOVED AND WALL OPENING TO BE FILLED, TO MATCH EXISTING WALL CONSTRUCTION; SEE STRUCTURAL DWG. HS2.2 FOR DETAILS
  - EXISTING SOUTH AIR INTAKE PLENUM FRP HOOD TO BE REMOVED AND WALL OPENING TO BE FILLED, TO MATCH EXISTING WALL CONSTRUCTION; SEE STRUCTURAL DWG. HS2.2 FOR DETAILS.
  - EXISTING AHU'S DISCONNECTS PANEL, TO BE REMOVED
  - EXISTING HYDRONIC HEATING BOILERS DISCONNECT PANEL TO REMAIN IN SERVICE AT EXISTING LOCATION.
  - EXISTING N. GAS SUPPLY LINE, TO BE RE-ROUTED TO SUIT NEW O/A INTAKE DUCTS (SEE NEW CONDITIONS DWGS FOR MORE DETAILS)

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

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

B.M. ELEV.	FIELD BOOK #:
POSTED TO LBS	
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	2010-06-23

ENGINEER'S SEAL

CONSULTANT DRAWING NO.  
HM.1.1

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

2010 HVAC REPLACEMENT AND ASSOCIATED WORKS  
WEWPCC

AREA H - HEADWORKS  
MECHANICAL ROOM EQUIPMENT - EXISTING CONDITIONS

SHEET 1 OF 1  
CITY DRAWING NUMBER  
1-0103G-M0001-001