



KEY PLAN

- KEY NOTES**
- 1 NEW 4600x3100W (1/1)x1500H LOUVERED AIR INTAKE PENTHOUSE, C/W FABRICATED ROOF CURB, 450 HIGH. ROOF TO BE REMOVED AND ROOF FRAMING TO BE REWORKED TO SUIT PENTHOUSE OPENING (PENTHOUSE STRADDLES OVER 2 OWJ ROOF BEAMS); SEE STRUCTURAL DRAWINGS HS2.1 & HS2.2 FOR ROOF AND FRAMING DETAILS
MAKE GOOD ROOF AROUND THE NEW OPENING.
AIR INTAKE PENTHOUSE TO SUPPLY O/A TO H650-MUA & H725-MUA THRU NEW DUCT TO EXISTING AIR PLENUM
 - 2 NEW 4600x3100W (1/1)x1500H LOUVERED AIR INTAKE PENTHOUSE, C/W PREFABRICATED ROOF CURB, 450 HIGH. ROOF TO BE REMOVED AND ROOF FRAMING TO BE REWORKED TO SUIT PENTHOUSE OPENING (PENTHOUSE STRADDLES OVER 3 OWJ ROOF BEAMS); SEE STR. DWGS. HS2.1 & HS2.2 FOR ROOF AND FRAMING DETAILS
MAKE GOOD ROOF AROUND THE NEW OPENING.
AIR INTAKE PENTHOUSE TO SUPPLY O/A TO H600-MUA & H700-MUA THRU NEW DUCT TO EXISTING AIR PLENUM. PENTHOUSE C/W BASE FLANGE BOLTED TO CURB AND RIGGING POINTS FOR REMOVAL (TO SERVE AS EQUIPMENT SERVICE/REMOVAL HATCH)
 - 3 NEW SS 300# COMBUSTION AIR INTAKE FOR NAT. DRAFT GAS FIRED EQUIPMENT THRU EXISTING ROOF CURB; TERMINATE WITH GOOSENECK C/W EXPANDED METAL MESH BIRDSCREEN, 1000mm ABOVE ROOF LINE. PROVIDE DUCT FLASHING, FOR INSTALLATION.
 - 5 EXISTING H750-GH CHIMNEY ROOF PENETRATION AND CHIMNEY TO BE MAINTAINED; EXTEND CHIMNEY MIN. 600mm ABOVE PENTHOUSE ROOF LINE.
 - 6 EXISTING H755-GH CHIMNEY ROOF PENETRATION AND CHIMNEY TO BE MAINTAINED; EXTEND CHIMNEY MIN. 600mm ABOVE PENTHOUSE ROOF LINE.
 - 7 EXISTING H695-PHW CHIMNEY ROOF PENETRATION AND CHIMNEY TO BE MAINTAINED.
 - 8 EXISTING 20# GAS REGULATORS VENT TO REMAIN IN SERVICE, RELOCATE AS SHOWN; PROVIDE ROOF OPENING, NEW PITCH POCKET AND PATCH THE ROOF TO SUIT; SEE STRUCTURAL DRAWING LS2.2 FOR DETAILS.
 - 9 EXISTING 50# GAS REGULATORS VENT TO REMAIN IN SERVICE, RELOCATE AS SHOWN; PROVIDE ROOF OPENING, NEW PITCH POCKET AND PATCH THE ROOF TO SUIT; SEE STRUCTURAL DRAWING LS2.2 FOR DETAILS.
 - 10 300# SS VENTILATION AIR INTAKE, THRU EXISTING ROOF CURB; DUCT UP THRU ROOF, TERMINATE 1000mm MIN. FROM ROOF LINE, C/W GOOSENECK & EXPANDED METAL MESH BIRDSCREEN; PROVIDE DUCT FLASHING, TO SUIT EXISTING ROOF CURB
 - 11 EXISTING RADIO ANTENNA, AT LOCATION SHOWN, 2500±mm ABOVE ROOF LINE; CONTRACTOR TO FINALIZE ANTENNA HEIGHT AND CLEARANCE REQUIREMENTS WITH WEWPCC OPERATING PERSONNEL; SEE STR. AND EL. DWGS FOR DETAILS.
 - 12 REMOVE EXISTING PITCH POCKETS AND PATCH ROOF TO EXISTING CONDITIONS.
 - 13 EXISTING PLUMBING VENT TO REMAIN IN SERVICE.
 - 14 EXISTING 200# RELIEF VENT TO REMAIN IN SERVICE.

- 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 - ROOF MODIFICATIONS PLAN AT EL. 252.300
SCALE 1:50



B.M. ELEV.	FIELD BOOK #:
POSTED TO LBIS	
DESIGNED BY JC/AS	CHECKED BY AFG
DRAWN BY AS	APPROVED BY
HOR. SCALE 1:50	RELEASED FOR CONSTRUCTION
VERTICAL	DATE
00 ISSUED FOR TENDER 2010-12-21 AFG	
NO. REVISIONS	DATE BY
	2010-06-23

ALLIANCE
Engineering Services Inc.

ENGINEER'S SEAL
PROVINCE OF MANITOBA
A.F.G.
GOSSEN
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. HM2.3

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

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

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0103G-M0019-001