



- ### KEY PLAN
- #### KEY NOTES
- 1 EXISTING GENSET ROOM INTAKE AIR LOUVERED PENTHOUSE, 750Wx1500Lx750H, ON 300mm HIGH ROOF CURB, TO REMAIN IN SERVICE.
  - 2 EXISTING AHU U640 INTAKE AIR LOUVERED PENTHOUSE, 900Wx2700Lx850H, ON 300mm HIGH ROOF CURB, TO BE REMOVED. REWORK ROOF DECK, INSULATION & MEMBRANE. **SEE DRAWING- FOR DETAILS**
  - 3 EXISTING MUA U610 INTAKE AIR LOUVERED PENTHOUSE, 900Wx1350Lx750H, TO BE REMOVED; REWORK ROOF DECK, INSULATION & MEMBRANE. **SEE DWG. 2 FOR DETAILS**
  - 4 EXISTING MUA U610 RELIEF AIR LOUVERED PENTHOUSE, 900Wx1350Lx750H, TO BE RE-ASSIGNED TO INTAKE AIR FOR NEW U640-AHU INSTALLED AT MEZZ. LEVEL ON CHEMICAL STORAGE ROOM ROOF.
  - 5 EXISTING U605-AHU INTAKE AIR LOUVERED PENTHOUSE, 2500Wx3500Lx750H, TO REMAIN IN SERVICE FOR NEW AHU U605.
  - 6 EXISTING U640-AHU RELIEF AIR LOUVERED PENTHOUSE, 1150Wx4450Lx850H, ON 300mm HIGH ROOF CURB, TO BE REMOVED. REWORK ROOF DECK, INSULATION & MEMBRANE. **SEE DRAWING- FOR DETAILS**
  - 7 EXISTING 900x900 ROOF ACCESS HATCH, ON 300mm HIGH ROOF CURB
  - 8 EXISTING GARAGE EXHAUST FAN, U675 ON 300mm HIGH ROOF CURBS, TO BE REPLACED WITH NEW UPBLAST EXHAUST FAN; **SEE DWGS.- FOR DETAILS.**
  - 9 EXISTING U640-AHU CHIMNEY, TO BE REMOVED; REMOVE CURB, INFILL DECK AND PATCH ROOF TO MATCH EXISTING
  - 10 EXISTING U610-MUA CHIMNEY, TO BE REMOVED; CURBED ROOF OPENING TO BE RE-USED FOR NEW VENTILATION AIR DUCT.
  - 11 EXISTING UNIT HEATER, U650-UH CHIMNEY, TO REMAIN IN SERVICE.
  - 12 GAS VENT FROM EXISTING U640-AHU GAS REGULATOR, TO BE REMOVED, INCLUDING PITCH POCKET; REWORK ROOF TO MATCH EXISTING
  - 13 GAS VENT FROM EXISTING U640-UH GAS REGULATOR, TO REMAIN IN SERVICE
  - 14 EXISTING UH U640 CHIMNEY TO REMAIN IN SERVICE
  - 15 EXISTING GENSET EXHAUST, TO REMAIN IN SERVICE.
  - 16 EXISTING PLUMBING STACK.
  - 17 EXISTING N. GAS VENT TO BE REUSED FOR NEW INSTALLATIONS
  - 18 EXISTING 600x600 CONCRETE PAVER ROOF WALKING PATH, USE AT MAXIMUM EXTENT POSSIBLE, TO MINIMIZE DAMAGE TO ROOF MEMBRANE
  - 19 CONDENSING UNITS, ON ROOF SLEEPERS, TO REMAIN IN SERVICE (N.I.C.)
  - 20 EXISTING U605-AHU CHIMNEY, TO BE REMOVED; EXISTING OPENING AND ROOF CURB TO BE REUSED FOR NEW U605-AHU CHIMNEY.
  - 21 EXISTING U645-UH, BLOWER ROOM UNIT HEATER FLUE, TO REMAIN IN SERVICE.
  - 22 EXISTING MECHANICAL MEZZANINE RELIEF AIR OPENING TO REMAIN IN SERVICE.
  - 23 EXISTING MECHANICAL STORAGE EXHAUST FAN, U655-EF TO BE MAINTAINED IN SERVICE
  - 24 EXISTING MAIN FLOOR OFFICE AREA WASHROOM EXHAUST FAN, U615-EF TO BE MAINTAINED IN SERVICE
  - 25 EXISTING WELDING AREA EXHAUST FAN, U635-EF TO BE REMOVED; RE-USE EXISTING ROOF OPENING & CURB FOR NEW STACK FROM NEW U635-EF INSTALLED INDOORS.
  - 26 EXISTING CHEMICAL STORAGE EXHAUST FAN, U670-EF TO BE REPLACED; MAINTAIN 300mm HIGH ROOF CURB

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AREA U UTILITY BUILDING ROOF - EXISTING CONDITIONS PLAN  
SCALE 1:75

- ### 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.



B.M. ELEV.	236.160	FIELD BOOK #:	
POSTED TO LBIS			
DESIGNED BY	JC/AS	CHECKED BY	
DRAWN BY	AS	APPROVED BY	
HOR. SCALE	1:75	RELEASED FOR CONSTRUCTION	
VERTICAL	-		
00 ISSUED FOR TENDER	2010-12-21	AFG	
NO. REVISIONS	DATE	BY	DATE
			2010-06-23

**ALLIANCE**  
Engineering Services Inc.

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

CONSULTANT DRAWING NO.  
UM5.4

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

2010HVAC REPLACEMENT  
AND ASSOCIATED WORKS  
WEWPCC

AREA U - UTILITY BUILDING  
UTILITY BUILDING ROOF - EXISTING CONDITIONS PLAN

SHEET 1 OF 1  
CITY DRAWING NUMBER  
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