

SECONDARY SECONDARY \ SECONDARY CLARIFIER 3

KEY PLAN

- \langle 1 \rangle 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 &MEMEBRANE, SEE DWG. ? FOR
- 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
- 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.
- $\langle 12 \rangle$ 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
- $\langle 19 \rangle$ condensing units, on roof sleepers, to remain in service (n.i.c.)
- $\fbox{20}$ 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.

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angle$ existing mechanical mezzanine relef air opening to remain in service.

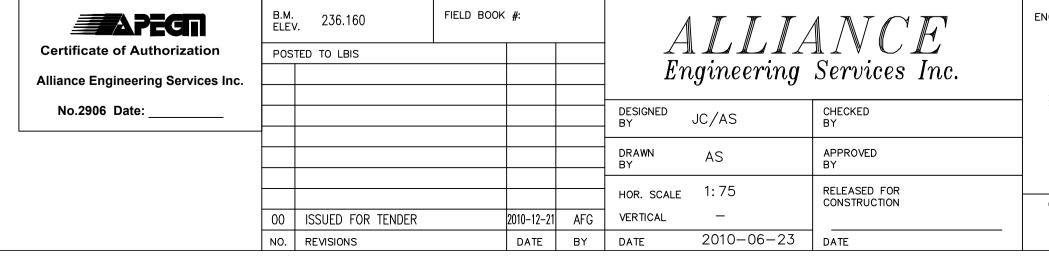
- 23 EXISTING MECHANICAL STORAGE EXHAUST FAN, U655-EF TO BE MAINTAINED IN SERVICE
- 24 EXISTING MAIN FLOOR OFFICE AREA WASHROOM EXHAUST FAN, U615-EF TO BE MAINTAINED IN SERVICE
- 25 EXISTING WELDING AREA EXHAUST FAN, U635-EF TO BE REMOVED; RE-USE EXISTING ROOF OPENING & CURB FOR NEW STACK FROM NEW U635-EF INSTALLED INDOORS.
- EXISTING CHEMICAL STORAGE EXHAUST FAN, U670-EF TO BE REPLACED; MAINTAIN 300mm HIGH ROOF CURB

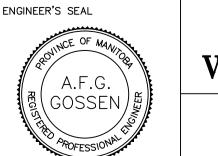
THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT

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.
- PROVIDE TAB TO ENSURE AIR DISTRIBUTION TO VOLUMES INDICATED. NOT ALL EQUIPMENT/PIPING, ETC. IS SHOWN.
- 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.





CONSULTANT DRAWING NO.

UM5.4



2010HVAC REPLACEMENT

AND ASSOCIATED WORKS

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

SHEET 1 OF 1 CITY DRAWING NUMBER

1-0103V-M0037-001