

MECHANICAL LEGEND

- GLYCOL PIPING DEMOLITION
- AH AIR HANDLER
- ⊕ BALL VALVE
- CHL CHILLER
- CWS CHILLED WATER SUPPLY
- CWR CHILLED WATER RETURN
- HX HEAT EXCHANGER
- ⊙ PUMP
- RD ROOF DRAIN
- RTU ROOFTOP (HVAC) UNIT
- ⊕ VALVE
- V VENT
- XT EXPANSION TANK

GENERAL NOTES

- ARCHITECTURAL BACKGROUNDS ARE REPRESENTATIVE ONLY. ALTHOUGH EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY OF THESE BACKGROUNDS, ACTUAL SITE CONDITIONS AND LATEST ARCHITECTURAL DOCUMENTS MAY VARY FROM DRAWINGS. FOR WALL, PARTITIONS AND ALL OTHER HARD SURFACES, ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER MECHANICAL AND ELECTRICAL DRAWINGS.
- ALL EXISTING PENETRATIONS INTO BUILDINGS DISTURBED UNDER THIS CONTRACT SHALL BE RE-SEALED WITH APPROPRIATE FIRE RATED MATERIAL. EXISTING FIRE RATINGS TO ALL WALLS, CEILINGS AND ENTRANCES TO BUILDINGS, TO BE MAINTAINED. CONTRACTOR SHALL VERIFY FIRE RATING REQUIREMENTS WITH ARCHITECTURAL TRADE.
- ALL MECHANICAL EQUIPMENT LOCATIONS SHOWN ON ELECTRICAL DRAWINGS SHALL BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EQUIPMENT.
- ALL NEW MATERIAL TO BE CONNECTED TO EXISTING PIPING, DUCTWORK, ACCOUTREMENTS IS TO MATCH MATERIAL OF EXISTING SYSTEMS.

NEW HEATER SCHEDULE

UNIT	MANUFACTURER	MODEL	VOLTS	WATTS	WEIGHT	OPTIONS
UH-1 & UH-2	OUELLET	OV50750	240	750	4.08 kg	WHITE FINISH, OVS-T86 SINGLE-POLE BI-METAL THERMOSTAT

NEW THERMOSTAT SCHEDULE

UNIT	MANUFACTURER	MODEL	TEMP. RANGE	INFORMATION
T-1	OUELLET	OTL101C	5-25°C	MECHANICAL LINE VOLTAGE T-STAT, SINGLE THROW, 22A AT 120/208/240V

NEW ROOF DRAIN SCHEDULE

ID	MANUFACTURER	MODEL	DETAILS
RD-A	OLYMPIC	INSERT DRAIN 100mm	HEAVY DUTY SPUN ALUMINUM CONSTRUCTION WITH 432mm FLANGE & 300mm LONG DRAIN STEM (WHICH CAN BE CUT DOWN); MECHANICAL COMPRESSION SEAL, EASILY EXPANDS WITH A TURN OF A SCREW; CONNECTS TO EITHER PVC OR CAST IRON PIPES.



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Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

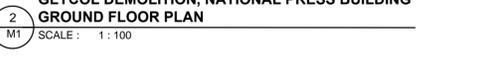
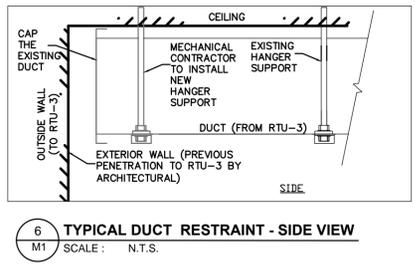
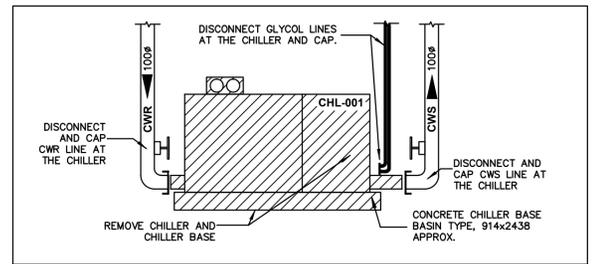
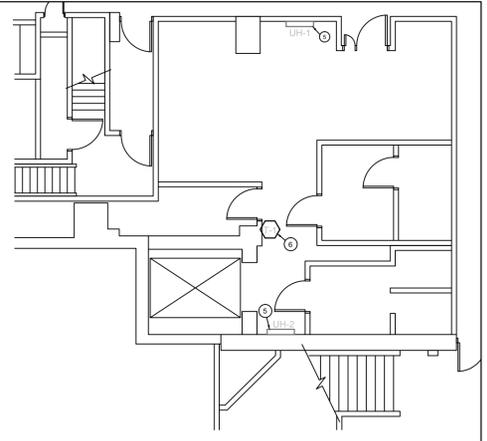
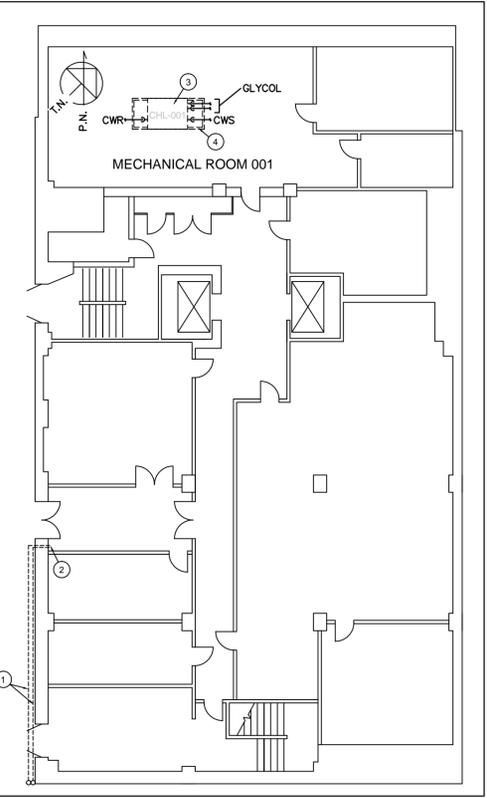
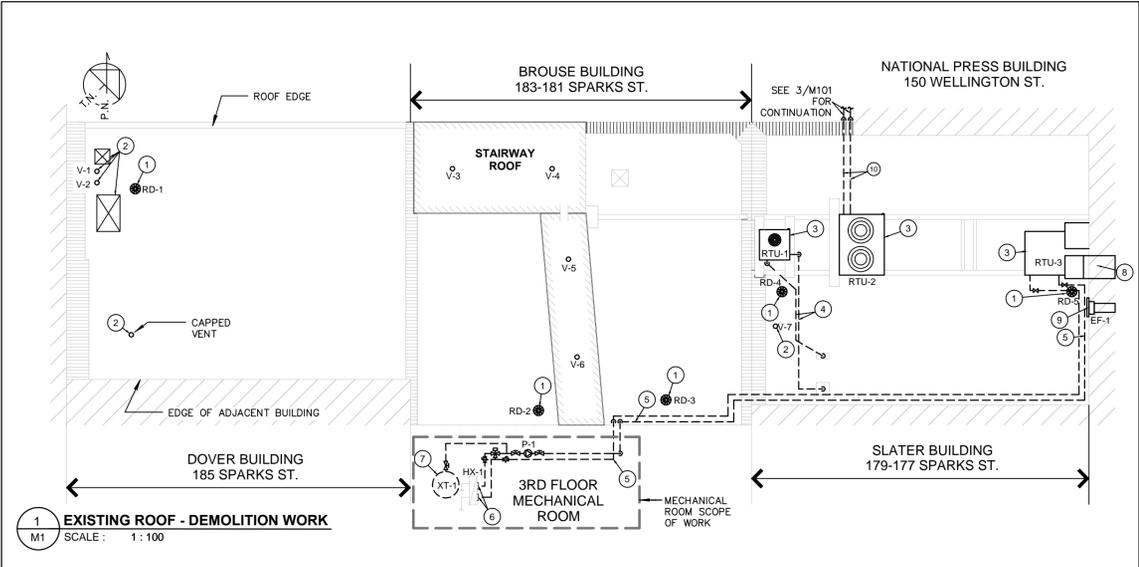
revision	description	date
TENDER		15/03/31
99% REVIEW		15/03/24
66% REVIEW		15/03/13

A	A detail no. n° du détail	A
C	B location drawing no. sur dessin n°	B
	C drawing no. dessin n°	C

project BROUSE-SLATER BUILDING ROOF REPLACEMENT
177-185 SPARKS ST., OTTAWA, ONTARIO
drawing M1

MECHANICAL: DEMOLITION AND NEW

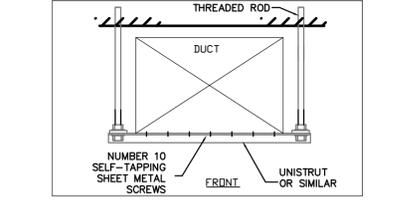
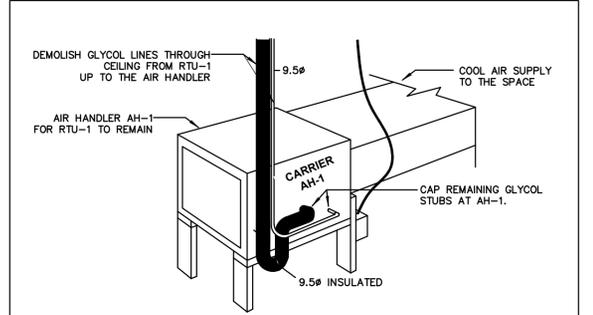
Designed By	D.P.	Conçu par
Date	2015/03/24	(aaaa/mm/jj)
Drawn By	D.P.	Dessiné par
Date	2015/03/24	(aaaa/mm/jj)
Reviewed By	C.M.	Examiné par
Date	2015/04/02	(aaaa/mm/jj)
Approved By	C.M.	Approuvé par
Date	2015/04/02	(aaaa/mm/jj)
Tender	ETTO PROVENZANO	Soumission
Project Manager	Administrateur de projets	
Project no.	R.062229.004	N° du projet
Drawing no.	M1	N° du dessin



4 CHILLER REMOVAL - FRONT VIEW
SCALE: N.T.S.

6 TYPICAL DUCT RESTRAINT - SIDE VIEW
SCALE: N.T.S.

2 M1 GLYCOL DEMOLITION, NATIONAL PRESS BUILDING GROUND FLOOR PLAN
SCALE: 1:100



5 RTU-1 AIR HANDLER DEMOLITION - GREEN DRAGON STORE MEZZANINE
SCALE: N.T.S.

7 TYPICAL DUCT RESTRAINT - FRONT
SCALE: N.T.S.

DRAWING NOTES

- CONTRACTOR TO DEMOLISH AND SAFELY DISPOSE OF THE GLYCOL PIPING EXTERNAL TO THE BUILDING FROM THE RTU-2 UNTIL THE INSIDE WALL OF THE NATIONAL PRESS BUILDING. THE PIPING INSULATION MAY CONTAIN ASBESTOS. REFER TO SPECIFICATIONS FOR HANDLING INSTRUCTIONS. PRIOR TO COMMENCEMENT OF DEMOLITION, CONTRACTOR IS TO COMPLETELY DRAIN GLYCOL LOOP OF GLYCOL AND SAFELY REMOVE GLYCOL FROM SITE AND DISPOSE OF AS PER APPLICABLE REGULATIONS.
- CONTRACTOR IS TO DEMOLISH GLYCOL PIPING TO THIS POINT AND CAP REMAINING PIPING. WALL OPENINGS LEFT AFTER DEMOLITION ARE TO BE MADE GOOD AND WEATHERPROOFED.
- DISCONNECT AND REMOVE CHL-001 CHILLER UNIT WITH THE ASSOCIATED PUMP. THE UNIT IS CURRENTLY NOT IN USE. SEE 2/M101 FOR DETAILS.
- REMOVE THE EXISTING CHILLER BASE. MAKE GOOD FLOOR UPON COMPLETION OF DEMOLITION.
- NEW WALL-MOUNTED ELECTRIC HEATER. HEATER TO BE MOUNTED 300mm AFF AND CONTROLLED BY THERMOSTAT T-1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONNECTING T-1 TO UH-1 AND UH-2, AND PROVIDING WIRING TO UH-1 AND UH-2. ALL CONTROL WIRING IS TO BE INSTALLED WITHIN WALLS AND ABOVE FINISHED CEILING. ALL CONTROL WIRING IS TO BE INSTALLED IN 200B CONDUIT. REFER TO DIVISION 26 FOR CONDUIT SPECIFICATIONS.
- NEW WALL-MOUNTED ELECTRIC THERMOSTAT T-1. THERMOSTAT TO BE INSTALLED 1200mm AFF.

