

DRAWING NOTES

- PROVIDE NEW ROOF CURB. FOOTPRINT OF NEW UNIT TO MATCH EXISTING. REFER TO STRUCTURAL FOR COORDINATION
- 2. INSTALL THERMOSTAT IN SECOND FLOOR CORRIDOR. CONFIRM WITH CONTRACT ADMINISTRATOR ON LOCATION.
- RECONNECT GAS LINE.
- 4. SERVICE PLATFORM TO BE REPLACED IN KIND. PROVIDE SEALED SHOP DRAWINGS TO CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.

GENERAL NOTES

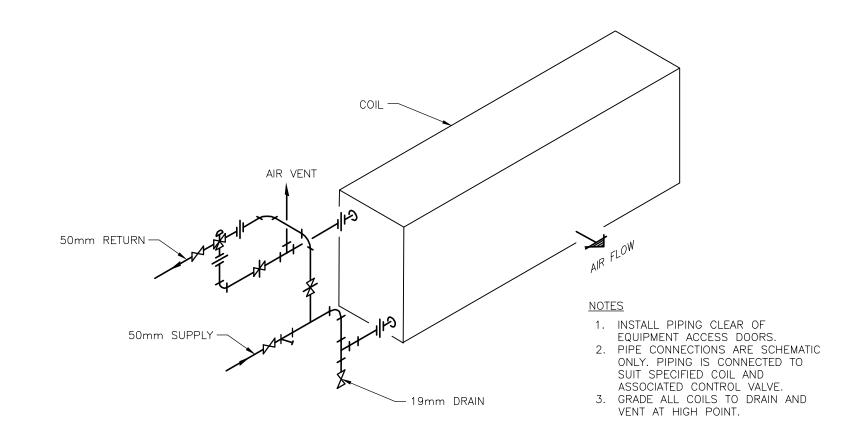
. REPAIR ROOF FROM AREAS AFFECTED BY DEMOLITION. REPLACE IN KIND.

2. PROVIDE 19mm CONDENSATE DRAIN FOR AHU M639 DOWN THROUGH NEW OPENING AS INDICATED ON S-03. COORDINATE OPENING WITH STRUCTURAL. RUN IN CEILING SPACE AND DOWN TO NEAREST DRAIN IN ACID DIGESTION ROOM.

PROVIDE TRANSITIONS AS REQUIRED FOR DUCT RECONNECTIONS.

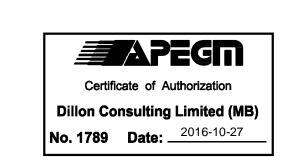
REFER TO P-1 AND P-2 FOR FURTHER DETAILS.

TAG	AHU-	M639	AHU-M651		
SUPPLY F	AN				
AIR FLOW RATE (CFM / L/s)	15,850	7,481	11,078	5,22	
E.S.P. (in.WC / Pa)	1.0	249	2.0	49	
MOTOR TYPE	TE	FC	С ТЕ		
MOTOR SIZE (hp / kW)	20	14.9	10	7.	
VOLTAGE/PHASE	600)/3	600		
RETURN F	AN				
AIR FLOW RATE (CFM / L/s)			10,025	4,73	
E.S.P. (in.WC / Pa)			0.25	62	
MOTOR TYPE			TE	FC	
MOTOR SIZE (hp)			7.5	5.6	
VOLTAGE/PHASE			600	/ 3	
HEATING SE	СПОИ				
HEAT CAPACITY INPUT (MBH / kW)	1600	468.9			
HEAT CAPACITY OUTPUT (MBH / kW)	1440	422.0	143.2	42.	
FLUID			50% PR	OP. GI	
EGT (°F / °C)			180.0	82.	
LGT (°F / °C)			160.0	71.	
EAT (°F / °C)	-31.0	-35.0	56.0	13.	
LAT (°F / °C)	53.0	11.7	75.0	23.	
FLOW RATE (GPM / L/S)			27.9	1.7	
FLUID PRESSURE DROP (FT / M)			1.7	0.	
COOLING SE	СПОИ				
COOLING COIL NET CAPACITY (MBH / kW)	815.1	238.9	240	70.	
AIR EDBT (°F / °C)	87.0	30.6	75.7	24.	
AIR EWBT (°F / °C)	73.0	22.8	63.3	17.	
AIR LDBT (°F / °C)	58.5	14.7	56.4	13.	
AIR LWBT (°F / °C)	58.1	14.5	55.9	13.	
REFRIGERANT:	R-410A		R-410A		
EER	9.7		11.0		
VOLTAGE/PHASE:	600) / 3	600 / 3		

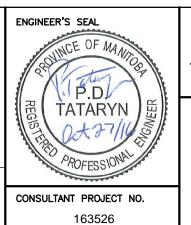


AHU-M651.

TYPICAL PIPING ARRANGEMENT AT COIL SECTION
NO SCALE



B.M. ELEV.				DESIGNED BY PI	DT	1,
				DRAWN BY J\	<i>I</i>	
				CHECKED N	DC	DILLON
				APPROVED BY		CONSULTING
				HOR. SCALE NO	ONE	RELEASED FOR
1	Issued for Adendum No. 1	16/11/16	PDT	HOR. SCALE INCINE		CONSTRUCTION
0	Issued for Tender	16/10/27	PDT	VERTICAL		
NO.	REVISIONS	DATE	BY	DATE		DATE



B. Marie	Winnipe
1~1	
	NORTH

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

TH END SEWAGE TREATMENT PLANT NEWPCC MAIN BUILDING - HVAC REPLACEMENT

1-0101M-M0015-001 OF NEW HVAC - PART ROOF PLAN

CITY DRAWING NUMBER

M-2

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