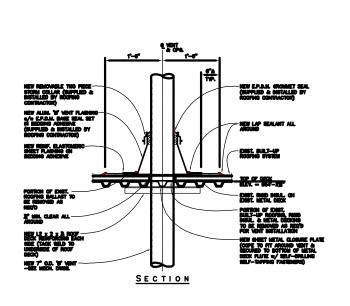
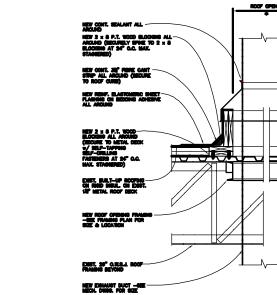


NEW HVAC - PART ROOF PLAN





ROOF VENT DETAIL
NO SCALE

DUCT ROOF PENETRATION DETAIL

NO SCALE

MEN BULT-UP ROOFING (MOP INTO EXIST.)

PORTION OF EDST. BULLT-UP ROOFING, ROOD BROLL & METAL DECK TO BE REMOVED TO SUIT MUTALLATION OF MEN ROOF CURB

CONT. ALL AROUND

## 2. INSTALL THERMOSTAT IN SECOND FLOOR CORRIDOR. CONFIRM WITH CONTRACT ADMINISTRATOR ON LOCATION.

- PROVIDE NEW ROOF CURB. FOOTPRINT OF NEW UNIT TO MATCH EXISTING. REFER TO STRUCTURAL FOR COORDINATION

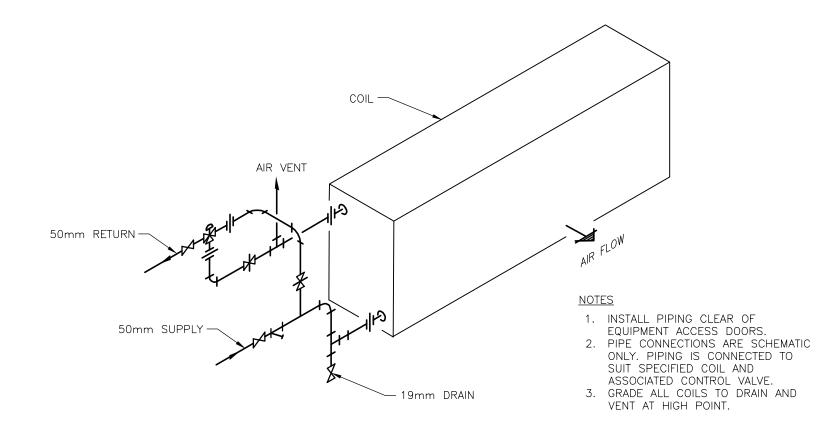
DRAWING NOTES

- 3. RECONNECT GAS LINE.
- 4. SERVICE PLATFORM TO BE REPLACED IN KIND. PROVIDE SEALED SHOP DRAWINGS TO CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.

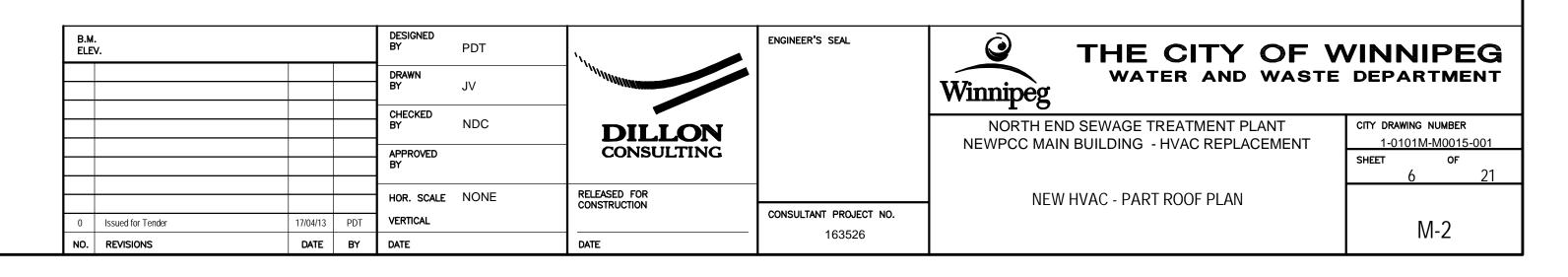
## **GENERAL NOTES**

- 1. REPAIR ROOF FROM AREAS AFFECTED BY DEMOLITION. REPLACE IN KIND.
- 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.
- 3. PROVIDE TRANSITIONS AS REQUIRED FOR DUCT RECONNECTIONS.
- 4. REFER TO P-1 AND P-2 FOR FURTHER DETAILS.

TAG	AHU	AHJM639		AHJ-M651	
SUPPL	YFAN				
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	498	
MOTOR TYPE	TE	TEFC		TEFC	
MOTOR SIZE (hp/kW)	20	14.9	15	112	
VOLTAGE/PHASE	600	600/3		600/3	
RETUR	NFAN				
AIR FLOW RATE (CFM / L/s)			10,025	4,73	
E.S.P. (in.WC / Pa)			0.25	62	
MOTOR TYPE				TEFC	
MOTOR SIZE (hp)			7.5	5.6	
VOLTAGE/PHASE			600	)/3	
HEATING:	SECTION				
HEAT CAPACITY NPUT (MBH / kW)	1600	468.9			
HEAT CAPACITY OUTPUT (MBH / kW)	1440	422.0	222.0	65.	
FLUD				50% PROP. GL	
EGT ("F / "C)			110.0	43.	
LGT (F/°C)			90.0	32.	
EAT('F / 'C)	-31.0	-35.0	56.0	133	
LAT (*F / *C)	53.0	11.7	75.0	23	
FLOW RATE (GPM / L/S)			27.9	1.7	
FLUID PRESSURE DROP (FT / M)			2.7	0.8	
COOLING:	SECTION				
COOLING COIL NET CAPACITY (MBH / kW	) 815.1	238.9	240	70.	
AIR EDBT (°F / °C)	87.0	30.6	75.7	243	
AIR EWBT (°F / °C)	73.0	22.8	63.3	17.	
AIRLDBT(°F / °C)	58.5	14.7	56.4	133	
AIR LWBT (°F / °C)	58.1	14.5	55.9	133	
REFRIGERANT:	R4	R-410A		R-410A	
EER	9	9.7		11.0	
VOLTAGE/PHASE:	800	600/3		600 / 3	



## TYPICAL PIPING ARRANGEMENT AT COIL SECTION



40DILLON ACAD FILE: C:\projectwise\working directory\active\40sk\d0391503\163526-07-M-01.dwg 1/11/2007