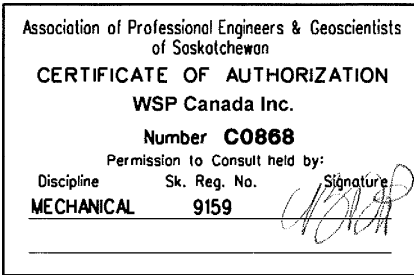
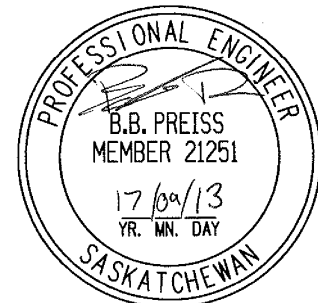


REAL PROPERTY SERVICES
Western Region



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PUBLIC WORKS AND
GOVERNMENT SERVICES
CANADA

SASKATOON SASKATCHEWAN

project title
**SASKATOON, SK
REGIONAL PSYCHIATRIC CENTRE
ROOFTOP AIR HANDLING
UNITS REPLACMENT**

approved by

BND

designed by

BP

drawn by

ML/MB

PWGSC Project Manager

PWGSC, Architectural and Engineering Resources Manager

Client

CORRECTIONAL SERVICE CANADA

drawing title

MECHANICAL

SCHEDULES

project no.
R.079699.001

sheet
M8.2

revision no.
0

ROOFTOP UNIT SCHEDULE

UNIT NO.	LOCATION	FLOW RATE (CFM)	E.S.P. (in. W.C.)	MOTOR ELECT. (hp/V/ph)	MULTIZONE DISCHARGE HEAD ZONES (QTY) (Note 2)	HEATING SECTION			COOLING										FINAL FILTER				RETURN AIR BLOWER				REMARKS	CONTROLS
						HEATING MEDIA	HEAT. CAP. (MBH) IN/OUT	EFFICIENCY	REFRIG. TYPE	SENSIBLE CAPACITY (MBH)	TOTAL CAP. (MBH)	COMPRESSOR TYPE/QUANTITY	COIL ROWS/FPI	AIR CONDITIONS			FINAL FILTER				TYPE/ CLASS	FLOW RATE (CFM)	E.S.P. (in. W.C.)	MOTOR ELECT. (hp/V/ph)				
														E.A.T. (DEG F)	L.A.T. (DEG F)	A.P.D. (in. W.C.)	DEPTH (in)	QTY/SIZE hwx (in)	TYPE	MERV								
RTU 1	Roof	5500	0.8	7.5/57/3	16	NAT. GAS	450/360	80%	R-410A	149.6	226.8	SCROLL/3	6 / 10	80/67	54.9/54.1	0.96	2	8/20x16	Disposable	13	FC/1	4950	0.8	3/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 2	Roof	6750	1.25	7.5/57/3	16	NAT. GAS	450/360	80%	R-410A	173.5	255	SCROLL/4	6 / 10	80/67	56.2/55.4	1.10	2	8/20x16	Disposable	13	FC/1	6075	0.85	5/57/3	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 3	Roof	10000	1	10/57/3	SINGLE ZONE	NAT. GAS	500/405	81%	R-410A	327	327	SCROLL/2	8/8	85/63	54.7/52.0	0.54	2	6/20x25	Disposable	13	--	--	--	--	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible.		
RTU 4	Roof	5500	0.8	7.5/57/3	16	NAT. GAS	450/360	80%	R-410A	149.6	226.8	SCROLL/3	6 / 10	80/67	54.9/54.1	0.96	2	8/20x16	Disposable	13	FC/1	4950	0.8	3/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 5	Roof	8000	0.75	7.5/57/3	12	NAT. GAS	650/520	80%	R-410A	211	314.3	SCROLL/5	6 / 10	80/67	55.6/54.8	0.97	2	10/20x16	Disposable	13	FC/1	7000	0.58	5/57/3	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 6	Roof	6000	0.75	7.5/57/3	16	NAT. GAS	450/365	81%	R-410A	155.6	230	SCROLL/3	6 / 10	80/67	56/55.2	1.09	2	8/20x16	Disposable	13	FC/1	5400	0.75	3/57/3	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 7	Roof	7110	0.8	7.5/57/3	12	NAT. GAS	650/520	80%	R-410A	193.8	298	SCROLL/5	6 / 10	80/67	54.8/53.9	1.24	2	10/20x16	Disposable	13	FC/1	6400	0.6	3/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 8	Roof	6800	1	10/57/3	SINGLE ZONE	NAT. GAS	450/360	80%	R-410A	194.6	304.1	SCROLL/2	6 / 10	80/67	53.5/52.8	0.82	2	6/20x25	Disposable	13	FC/1	6120	0.5	3/57/3	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible.		
RTU 9	Roof	5160	0.6	7.5/57/3	12	NAT. GAS	450/360	80%	R-410A	141.8	219	SCROLL/3	6 / 10	80/67	54.5/53.7	1.18	2	8/20x16	Disposable	13	FC/1	4650	0.75	3/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 10	Roof	7860	0.75	7.5/57/3	12	NAT. GAS	650/520	80%	R-410A	208.7	312.3	SCROLL/5	6 / 10	80/67	55.4/54.6	1.00	2	10/20x16	Disposable	13	FC/1	7075	0.7	5/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 11	Roof	7860	0.75	7.5/57/3	12	NAT. GAS	550/440	80%	R-410A	208.7	312.3	SCROLL/5	6 / 10	80/67	55.4/54.6	1.00	2	10/20x16	Disposable	13	FC/1	7075	0.7	5/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 12	Roof	6460	0.8	7.5/57/3	12	NAT. GAS	550/440	80%	R-410A	185.6	293.2	SCROLL/5	6 / 10	80/67	53.4/52.6	1.08	2	10/20x16	Disposable	13	FC/1	5825	0.6	3/57/3	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 13	Roof	6460	0.9	7.5/57/3	SINGLE ZONE	NAT. GAS	450/365	81%	R-410A	187	296	SCROLL/2	6 / 10	80/67	53.2/52.5	0.98	2	6/20x25	Disposable	13	FC/1	5825	0.7	3/57/3	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible.		
RTU 14	Roof	8590	1	10/57/3	12	NAT. GAS	550/440	80%	R-410A	220.4	321.1	SCROLL/5	6 / 10	80/67	56.2/55.5	0.94	2	10/20x16	Disposable	13	FC/1	7730	0.6	5/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU-15	Roof	5215	0.7	5/57/3	SINGLE ZONE	NAT. GAS	300/243	81%	--	--	--	--	--	--	--	--	2		Disposable	13	FC/1	5215	0.7	3/57/3	-c/w 120V, 20A GFI convenience outlet -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible.		
RTU 16	Roof	4200	1	5/57/3	7	NAT. GAS	250/200	80%	R-410A	83.7	117.5	SCROLL/3	4 / 8	80/67	61.5/68.6	0.55	2	6/20x16	Disposable	13	FC/1	4200	1	3/57/3	-c/w 120V, 20A GFI convenience outlet -c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Provide 500x500 space in control panel for Zone Damper Controller.		
RTU 17	Roof	6800	1	10/57/3	SINGLE ZONE	NAT. GAS	450/365	81%	R-410A	194.6	304.1	SCROLL/2	6 / 10	80/67	53.5/52.8	0.82	2	6/20x25	Disposable	13	FC/1	6120	0.7	5/57/3	-c/w internal cooling controller -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible.		
RTU 18	Roof	8000	0.55	5/57/3	SINGLE ZONE	NAT. GAS	1200/972	81%	--	--	--	--	--	--	--	--	2	8/20x20	Disposable	13	--	--	--	--	-c/w 120V, 20A GFI convenience outlet -top outdoor air intake connection -c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	- Internal to unit. To be monitored by DDC. Unit to be BACnet compatible. - Unit shall be interlocked with existing kitchen exhaust fan as required by NFPA 96.		
RTU 19	Roof	3000	0.6	2/57/3	SINGLE ZONE	NAT. GAS	240/192	80%	R-410A	90.8	90.8	SCROLL/2	2/14	85/63	57.1/51.8	0.10	2	4/20x25	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 20	Roof	657	0.5	0.25/208/1	SINGLE ZONE	NAT. GAS	65/52	80%	R-410A	23	23.2	SCROLL/1	3/14	85/63	52.7/50	0.10	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 21	Roof	3000	1	2/57/3	SINGLE ZONE	ELECTRIC	76.8	100%	R-410A	92.3	92.3	SCROLL/1	4/14	85/63	56.6/51.8	0.11	2	4/20x20	Disposable	13	--	--	--	--	-c/w 120V, 20A GFI convenience outlet -c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 22	Roof	1600	1	1/57/3	SINGLE ZONE	ELECTRIC	51.2	100%	R-410A	50.4	50.4	SCROLL/1	3/14	85/63	56.0/50.9	0.05	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 23	Roof	3000	1	2/57/3	SINGLE ZONE	NAT. GAS	400/324	80%	--	--	--	--	--	--	--	--	2		Disposable						-c/w Manufacturer installed controller for heating. Heating to be operational to -40 ambient. -c/w disconnect switch with hinged weatherproof access	DDC. Unit to be BACnet compatible.		
RTU 24	Roof	657	0.5	0.25/208/1	SINGLE ZONE	NAT. GAS	65/52	80%	R-410A	23	23.2	SCROLL/1	3/14	85/63	52.7/50	0.10	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 25	Roof	657	0.5	0.25/208/1	SINGLE ZONE	NAT. GAS	65/52	80%	R-410A	23	23.2	SCROLL/1	3/14	85/63	52.7/50	0.10	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 26	Roof	657	0.5	0.25/208/1	SINGLE ZONE	NAT. GAS	65/52	80%	R-410A	23	23.2	SCROLL/1	3/14	85/63	52.7/50	0.10	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 27	Roof	657	0.5	0.25/208/1	SINGLE ZONE	NAT. GAS	65/52	80%	R-410A	23	23.2	SCROLL/1	3/14	85/63	52.7/50	0.10	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 28	Roof	657	0.5	0.25/208/1	SINGLE ZONE	NAT. GAS	65/52	80%	R-410A	23	23.2	SCROLL/1	3/14	85/63	52.7/50	0.10	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow	DDC. Unit to be BACnet compatible.		
RTU 29	Roof	1200	1	1.5/208/1	SINGLE ZONE	NAT. GAS	150/122	81%	--	--	--	--	--	--	--	--	2	2/20x25	Disposable	13	--	--	--	--	-c/w Dampers and actuators required for sequencing shown on drawings and in specifications. -c/w inlet hood and mixing section. -c/w discharge plenum with dampers -c/w 610mm tall roof curb -c/w disconnect switch with hinged weatherproof access	DDC. Unit to be BACnet compatible.		
RTU 30	Roof	1475	0.8	0.5/57/3	SINGLE ZONE	NAT. GAS	150/113	76%	R-410A	45	47.6	SCROLL/1	1/23	85/63	52.7/50	0.05	2	4/16x20	Disposable	13	--	--	--	--	-c/w disconnect switch with hinged weatherproof access -O/A set to 10% of supply air flow -c/w economizer, downflow application. -c/w 610mm tall roof curb -c/w concentric supply/return diffuser	DDC. Unit to be BACnet compatible.		

Note 1: Contractor shall confirm existing curb dimensions prior to ordering. Supply max. 600mm high transition curb if required.

