

HUMIDIFIER

REF. No.	AREA SERVED	NOMINAL CAPACITY (lbs/hr)	MINIMUM CAPACITY (lbs/hr)	MIN/MAX WATER PRESSURE (psi)	ELECTRICAL			NOTES
					V/Ph	RATED INPUT (kW)	FLA	
HUM-01	SIM BAY	100	20	30 / 80	575 / 3	37.40	36	INTEGRATE NEW HUMIDIFIER WITH EXISTING NORTEC IN-DUCT MANIFOLD AND APPLICABLE CONTROLS
HUM-02	MAIN BUILDING	30	6	30 / 80	575 / 3	11.22	10.80	INTEGRATE NEW HUMIDIFIER WITH EXISTING NORTEC BLOWER PACK AND APPLICABLE CONTROLS

GRILLES AND DIFFUSERS

REF. No.	TYPE	TYPICAL APPLICATION	SIZE	SLOT INFO.	DAMPER	BORDER	FASTENING	MATERIAL	FINISH	NOTES
SD-1	LINEAR DIFFUSER C/W INSULATED PLENUM	SUPPLY - CEILING	1200mm LONG	1 SLOT - 13mm SLOT WIDTH	IN DUCT	N/A	COUNTER SUNK	ALUMINUM	OFF WHITE BAKED ENAMEL	BORDER FOR LAY-IN INVERTED T-BAR MOUNT AND BORDER FOR DRYWALL
SD-2	EXISTING DIFFUSER	VARIES	EXISTING	N/A	IN DUCT	25 mm	COUNTER SUNK	ALUMINUM	OFF WHITE BAKED ENAMEL	EXISTING
SD-3	LOUVERED FACE - 45° DEFLECTION	SUPPLY - IN DUCT	ON DRAWING	N/A	IN DUCT	25 mm	COUNTER SUNK	ALUMINUM	OFF WHITE BAKED ENAMEL	BORDER FOR EXPOSED DUCT.
SD-4	EXISTING LINEAR DIFFUSER	SUPPLY - CEILING	VARIES	VARIES	IN DUCT	25 mm	COUNTER SUNK	ALUMINUM	OFF WHITE BAKED ENAMEL	BORDER FOR LAY-IN INVERTED T-BAR MOUNT
RG-1	EGG CRATE	RETURN - CEILING	ON DRAWING	N/A	IN DUCT	25 mm	COUNTER SUNK	ALUMINUM	OFF WHITE BAKED ENAMEL	BORDER FOR LAY-IN INVERTED T-BAR MOUNT
RG-2	LOUVERED FACE - 45° DEFLECTION	RETURN - CEILING	250x200	N/A	INTEGRAL	25 mm	COUNTER SUNK	ALUMINUM	OFF WHITE BAKED ENAMEL	BORDER FOR EXPOSED DUCT AND WALL MOUNT.

VAV BOXES

REF. No.	INLET SIZE	AREA SERVED	AIR QUANTITIES (L/s)		CONTROL NOTES
			MIN (20%)	MAX	
B-01	225	LOUNGE 126	56	280	FC-01 & VAV B02
B-02	175	BOARDROOM 127	38	190	FC-01 & VAV B01
B-03	150	OFFICE 138	33	165	FC-02 & VAV B05, B07
B-04	150	ADMIN 137	18	90	INTERIOR ZONE
B-05	300	OFFICE 140	80	400	FC-02 & VAV B03, B07
B-06	225	OFFICE 140	32	160	INTERIOR ZONE
B-07	175	OFFICE 140	32	160	FC-02 & VAV B03, B05
B-08	300	OFFICE 140	80	400	PERIMETER ZONE, FC-03
B-09	100	SERVER ROOM 124	5	25	INTERIOR ZONE
B-10	100	OFFICE 104A	5	25	INTERIOR ZONE
B-11	125	OFFICE 104	15	76	FC-05 & VAV B12, B16
B-12	150	WORKSHOP 107	14	70	FC-05 & VAV B11, B16
B-13	100	OFFICE 104	15	76	INTERIOR ZONE
B-14	100	HALLWAY	5	24	INTERIOR ZONE
B-15	175	CLASS 134	106	530	INTERIOR ZONE
B-16	250	OFFICE 112	35	175	FC-05 & VAV B11, B12
B-17	250	CLASS 143	100	500	INTERIOR ZONE
B-18	100	OFFICE 140A	6	30	INTERIOR ZONE
B-19	125	OFFICE 113	22	110	INTERIOR ZONE
B-20	250	CLASS 144	100	500	INTERIOR ZONE
B-21	100	STORAGE 114	8	40	INTERIOR ZONE
B-22	250	CLASS 146	100	500	INTERIOR ZONE
B-23	125	OFFICE 140B	6	30	INTERIOR ZONE
B-24	150	OFFICE 140 PRINTER	16	80	INTERIOR ZONE
B-25	150	CLASS 152	16	80	INTERIOR ZONE
B-26	150	CLASS 151	22	110	INTERIOR ZONE
B-27	100	JANITOR 150	4	20	INTERIOR ZONE
B-28	100	OFFICE 140D	6	30	INTERIOR ZONE
B-29	100	OFFICE 140E	6	30	INTERIOR ZONE
B-30	175	STORAGE 155	29	144	PERIMETER ZONE, RH-02
B-31	200	WORKSHOP 161	28	141	PERIMETER ZONE, FC-07
B-32	175	OFFICE 159	27	133	PERIMETER ZONE, FC-06
B-33	225	OFFICE 159	36	177	PERIMETER ZONE, FC-06
B-34	150	OFFICE 160	10	48	INTERIOR ZONE

REHEAT COIL

REF. No.	TYPE	HEATING						OPERATING WEIGHT (kg)	NOTES
		MEDIUM	NOMINAL (kW)	EWI (°C)	LWT (°C)	EAT (°C)	LAT (°C)		
RC-01	IN DUCT REHEAT COIL	WATER	1.9	54.4	43.3	21.1	37.7	6.3	
RC-02	IN DUCT REHEAT COIL	WATER	1.9	54.4	43.3	21.1	37.7	6.3	

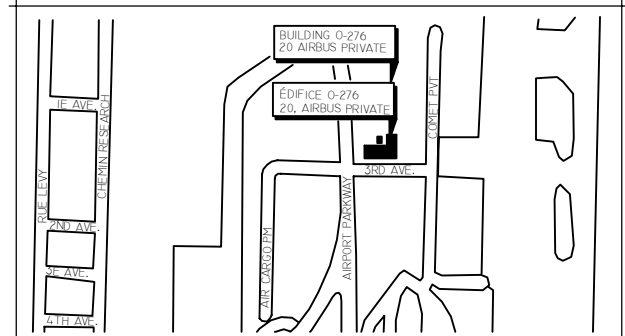


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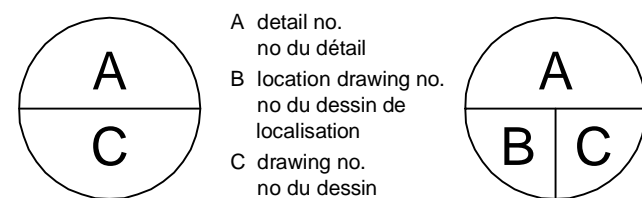
mechanical | electrical | energy | telecommunications
mécanique | électricité | efficacité énergétique | télécommunications



KEY PLAN
PLAN DÉTAILLÉ

PROJECT NORTH

4	ISSUED FOR TENDER	2015-04-15
3	ISSUED FOR 100% REVIEW - TENDER	2015-01-30
2	ISSUED FOR 99% REVIEW	2014-10-23
1	ISSUED FOR 66% REVIEW	2014-09-09



project	projet
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CHILLER REPLACEMENT
FOR TRANSPORT CANADA
TRAINING CENTRE
(BUILDING O-276)

drawing dessin

MECHANICAL SCHEDULES

Designed By CARL MUIR

Date 2014-08-21 (yyyy/mm/dd)

Drawn By CARL MUIR Dessiné par

Date 2014-08-21 (yyyy/mm/dd)

Reviewed By DAVID LANDSBERG Examiné par

Date 2014-09-10 (yyyy/mm/dd)

Approved By DAVID LANDSBERG Approuvé par

Date 2014-09-10 (yyyy/mm/dd)

Tender	2015-01-30	Soumission
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K. DUNN

Project no. no du projet

R.060139.002

Drawing no. no du dessin

M003

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