NATURAL GAS REGULATOR SCHEDULE

REGULATOR TAG	LOCATION	SERVICING	TYPE	REGULATOR MANUFACTURER	MODEL	BODY SIZE (mm)	INLET PRESSURE (kPa)	GENERATOR MODEL	OUTLET PRESSURE LIMITS (kPa)	MAXIMUM FLOW (m^3/hr.)	DROOP (kPa)	PRESSURE SETPOINT (kPa)	SPRING RANGE (kPa)	BOOST (kPa)	COMMENTS/ ACCESSORIES
PRV-1	GENERATOR ROOM	NATURAL GAS GENERATOR	SELF-OPERATING WITH INTERNAL RELIEF	FISHER	CS800	50	34.5	KOHLER 300RZXB	1.75 - 2.75	98	50	2.25	2.5 - 4.0	50	19mm ORIFICE AND INTERNAL RELIEF
								CUMMINS GTA19G CC	3.75 - 5.0	114.9	50	4.37	2.5 - 4.0	50	22mm ORIFICE AND INTERNAL RELIEF
								GENERAC SG300	2.75 - 3.75	111.5	50	3.25	2.5 - 4.0	50	19mm ORIFICE AND INTERNAL RELIEF

NOTE:

BASED ON NATURAL GAS AT 0.6 SPECIFIC GRAVITY.

MAKE-UP AIR UNIT SCHEDULE

MAU TAG	LOCATION	SERVICING	TYPE	MANUFACTURER	MODEL	SUPPLY AIR FLOW (L/S)	DISCHARGE PRESSURE (Pa)	TOTAL PRESSURE (Pa)	ABSORBED POWER (kW BRAKE)	MOTOR SIZE (kW)	VFD	ENTERING AIR TEMPERATURE DRY BULB (°C)	MAXIMUM OVERALL WIDTH (mm)	MAXIMUM OVERALL LENGTH (mm)	MAXIMUM OVERALL HEIGHT (mm)	HEATING COIL EC-1 (kW)	HEATING COIL EC-2 (kW)	COMMENTS/ ACCESSORIES
MAU - 1	CONTROL ROOM	CONTROL ROOM	HORIZONTAL DRAW-THROUGH	BOUSQUET	BC(E)-50	120 to 1835	25	675.0	1.9	2	YES	-35 to +30	1,828	3,150	2,160	20	29	TEFC MOTOR, QUICK ACCESS DOORS, TOP-PLENUM DISCHARGE

FAN SCHEDULE

FAN TAG	LOCATION	SERVICE	TYPE	AIR FLOW (L/S)	STATIC PRESSURE (Pa)	FAN SHAFT RPM	ABSORBED POWER (kW)	MOTOR POWER (kW)	TWO SPEED	MOTOR ENCLOSURE	MANUFACTURER	MODEL	INLET AIR TEMPERATURE (°C)	AMBIENT TEMPERATURE (°C)	ALTITUDE (m ABOVE SEA LEVEL)	COMMENTS/ ACCESSORIES
F-1	GENERATOR ROOM	SUPPLY FAN	CABINET CENTRIFUGAL	82	40	2,120	0.08	0.1	NO	TEFC	PENNBARRY	Z-6H	-35 TO +30	15	234	INSULATED CABINET, TDA INLET ADAPTER
F-2	GENERATOR ROOM	AUXILIARY EXHAUST FAN	WALL MOUNT CENTRIFUGAL	700	125	912	0.24	0.373	NO	TEFC	PENNBARRY	FX-10B	15	-35 TO +30	236	
F-3	WET WELL	EXHAUST FAN	TUBE-AXIAL	950/1900	185	603	111.3	1.12	YES (2 WINDING)	EXP PROOF	TWIN CITY FANS	TCTA 21B7	10	10	228	OSHA BELT GUARD, ARRANGEMENT 9 BELT DRIVE, MOTOR POSITION G, C/W SUPPORT LEGS, HERESITE COATING, AMCA SPARK RESISTANT TYPE C CONSTRUCTION, INLET SCREEN, INLET CONE, AND DISCHARGE CONE

LOUVER SCHEDULE

LOUVER TAG	LOCATION	SERVICING	TYPE	MANUFACTURER	MODEL	PRESSURE DROP (kPa)	THICKNESS (mm)	NOMINAL OVERALL WIDTH (IN.)	NOMINAL OVERALL HEIGHT (IN.)	FINISH	COLOUR	BIRDSCREEN	COMMENTS/ ACCESSORIES
L-1	SHOWN ON DRAWINGS	SHOWN ON DRAWINGS	HORIZONTAL DRAINABLE BLADE STORM-PROOF LOUVER	RUSKIN	ELF6350DMP	25 AT4.3 m/s INTAKE	150	AS SHOWN	AS SHOWN	CLEAR ANOD	SILVER	13 X 13 ALUMINUM IN FOLDED FRAME	DRILLED FOR MOUNTING THROUGH THE SILL HEAD AND JAMBS TO MASONRY

DAMPER SCHEDULE

TAG	MANUFACTURER	MODEL	SIZE (MM) W X H INSIDE FRAME	BLADES PARALLEL TO	ACTION	MOUNTING	COMMENTS
DM-1	TAMCO	1000	965 X 356	LONG SIDE	OPPOSED	IN-DUCT	SUPPLIED WITH MAU-1 FROM FACTORY
DM-2	TAMCO	1000	965 X 356	LONG SIDE	OPPOSED	IN-DUCT	SUPPLIED WITH MAU-1 FROM FACTORY
DM-3	TAMCO	1000	400 X 400	-	PARALLEL	FLANGED	TWO-POSITION, NORMALLY OPEN, FAIL CLOSED
DM-4A	TAMCO	9000SC	1275 X 875	SHORT SIDE	OPPOSED	FLANGED	TWO-POSITION, NORMALLY CLOSED FAIL OPEN
DM-4B	TAMCO	9000SC	1275 X 875	SHORT SIDE	OPPOSED	FLANGED	MODULATING, SPRING RETURN TO CLOSED
DM-5A	TAMCO	9000SC	975 X 1175	SHORT SIDE	OPPOSED	FLANGED	MODULATING, SPRING RETURN TO CLOSED
DM-5B	TAMCO	9000SC	975 X 1175	SHORT SIDE	OPPOSED	FLANGED	MODULATING, SPRING RETURN TO CLOSED
DM-5C	TAMCO	9000SC	975 X 1175	SHORT SIDE	OPPOSED	FLANGED	MODULATING, SPRING RETURN TO CLOSED
DM-5D	TAMCO	9000SC	975 X 1175	SHORT SIDE	OPPOSED	FLANGED	MODULATING, SPRING RETURN TO CLOSED
DM-6	TAMCO	1000	1100 X 1350	SHORT SIDE	OPPOSED	FLANGED	MODULATING, SPRING RETURN TO OPEN
DM-7	TAMCO	9000SC	1500 X 770	LONG SIDE	PARALLEL	FLANGED	TWO-POSITION, SPRING RETURN TO CLOSED
DM-8	TAMCO	9000SC	625 X 625	-	PARALLEL	FLANGED	TWO-POSITION, SPRING RETURN TO CLOSED
BDD-1	TAMCO	7000CW	400 X 400	-	PARALLEL	FLANGED	COUNTERWEIGHT TO BE FIELD ADJUSTED FOR 30 Pa DIFFERENTIAL
BDD-2	TAMCO	7000	400 X 400	-	PARALLEL	FLANGED	

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: 2013.08.15

BID OPPORTUNITY NO. 712-2013

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	2013/10/15	DRL

AECOM

DESIGNED BY	RT	CHECKED BY	CC
DRAWN BY	DRL	APPROVED BY	
HOR. SCALE: / VERTICAL:	NTS	RELEASED FOR CONSTRUCTION BY:	
DATE	2013-08-08	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
B.M. PETERSON
2013.08.15
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
60273041-SHT-01-CON3-M-0005.DWG

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION
CONTRACT 3

CITY DRAWING NUMBER: U238-2014-2345

SHEET 05 OF 05

MECHANICAL SCHEDULES

M-0005 0

A1 – 841x594

2013-08-08

AECOM REVIEW | DRFT CHK (C)

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