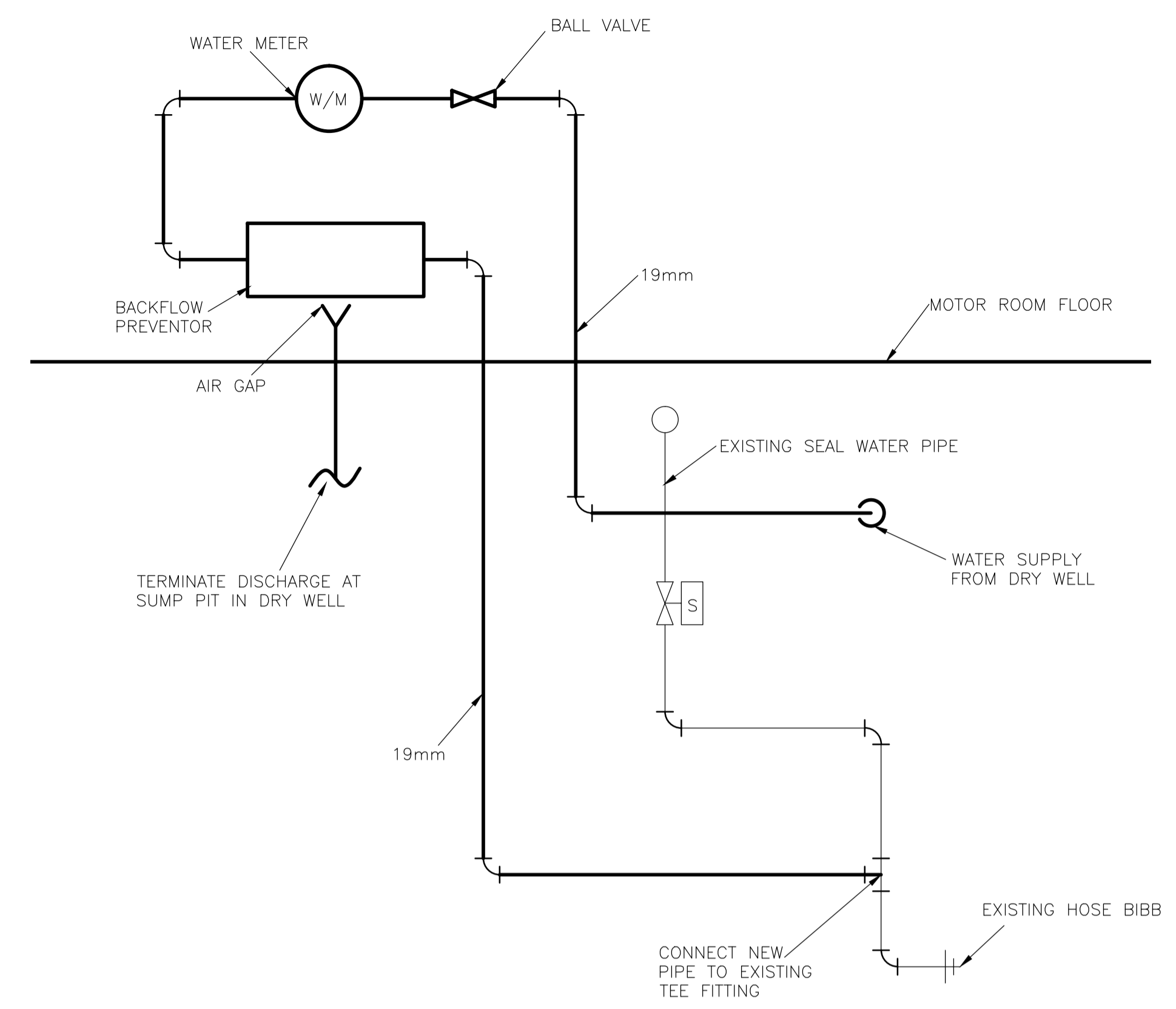


VENT THRU ROOF DETAIL
NTS



WATER SUPPLY SCHEMATIC DIAGRAM
NTS

BACKFLOW PREVENTOR
EQUAL TO WATTS LF009M3-QT-909-AGA LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY, TWO POSITIVE SEATING CHECK MODULES, LEAD FREE CAST COPPER SILICON ALLOY BODY, CAPTURED SPRING ASSEMBLIES, REPLACEABLE SEATS AND SILICONE SEAT DISCS, SINGLE ACCESS BRONZE COVER SECURED WITH STAINLESS STEEL BOLTS, INTERNAL PRESSURE DIFFERENTIAL RELIEF VALVE IN BETWEEN CHECK MODULES, TWO RESILIENT SEATED ISOLATION VALVES QUARTER TURN BALL VALVES, 19mm PIPE CONNECTION, FOUR RESILIENT SEATED SCREW DRIVER SLOTTED TEST COCKS, AIR GAP DRAIN FITTING ASSEMBLY, 909-AGA AIR GAP.

MOTORIZED DAMPER: MD-L60-1 AND MD-L60-2

TAMCO SERIES 9000BF THERMALLY BROKEN FRAME THERMALLY INSULATED DAMPER, OPPOSED BLADE ACTION DAMPER, DESIGNED FOR OPERATION IN TEMPERATURES RANGING FROM -40C TO 100C, BLADE AND FRAME SEALS ARE EXTRUDED SILICONE FOR REDUCED AIR LEAKAGE AT COLDER TEMPERATURES, C/W BELIMO LF24-SR US DAMPER ACTUATOR MODULATING SPRING RETURN, 24VAC/DC, FOR 2 TO 10VDC CONTROL SIGNAL.

TAG	LOCATION	SERVES	TYPE	DIMENSIONS						AIR FLOW		AIR PRESSURE		ACCESSORIES	ACCEPTABLE PRODUCT	NOTES
				WIDTH		HEIGHT		DEPTH		RATE	DROP	(Pa)	(in.WC)			
				(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(L/s)	(CFM)					
LV-L60	MOTOR ROOM	SF-L60	I	406	16	406	16	178	7	142	300	22	0.09	BS, FF	GREENHECK EHH-701, INTAKE	1

ACCESSORIES:
BP BLANK-OFF PANELS FF FLANGED FRAME SA STRAP FASTENERS SB SECURITY BARS
BS BIRDSCREEN CA CLIP/CONTINUOUS ANGLE JB JAMB FASTENERS GA GLAZING ADAPTER

TYPE:
I INTAKE R RELIEF E EXHAUST

NOTES:
1. HEAVY GAUGE EXTRUDED ALUMINUM WITH ADJUSTABLE HEAD MEMBER AND HORIZONTAL RAIN RESISTANT BLADES. KYNAR 70% (2 COAT) FINISH, HAMPTON BROWN

MARK	MFR	MODEL	AIR FLOW		ESP		MOTOR (HP)	MOTOR RPM	SOUND LEVEL (dBA)	POWER		NOTES
			(L/s)	(CFM)	(Pa)	(IN. WG)				VOLT	PHASE	
			SF-L60	GREENHECK	SQ-95-VG	142				300	99.6	

NOTE:
1. RIGHT SIDE DISCHARGE C/W 1" THICK INSULATED ALUMINUM HOUSING. INTERLOCK WITH MOTOR ROOM LIGHT SWITCH.
2. C/W VARI GREEN SPEED CONTROL DIAL.
3. C/W HANGING RODS AND VIBRATION ISOLATORS.

TAG	WIDTH		HEIGHT		SERVES	ELECTRICAL RATINGS			Air Flow		TEMP SET POINT		ACCEPTABLE PRODUCT		NOTES
	mm	in	mm	in		VOLTS	PHASE	KW	L/s	CFM	°C	°F	MFR	MODEL	
	HCE-L60	250	10	250		10	SF-L60	600	3	8.0	142	300	10	50	

NOTES:
1. PROVIDE WITH SCR CONTROLLER, ADJUSTABLE AIRFLOW SWITCH, MAGNETIC CONTACTOR, CONTROL FUSE, DISCONNECT SWITCH.
2. C/W TRANSFORMER, DUCT THERMOSTAT, PILOT LIGHT AND AUTOMATIC LIMIT SWITCH FOR OVER TEMPERATURE PROTECTION.
3. CONTROL BOX ON THE RIGHT SIDE.

TAG	LOCATION	RATED COOLING CAPACITY			POWER			ACCEPTABLE PRODUCT		NOTE
		kW	MBH	SEER	VOLT	PHASE	MCA	MANUFACTURER	MODEL	
		AC-L60	MOTOR ROOM	10.6	36.0	18.8	230	1	1	
CU-L60	OUTSIDE	10.6	36.0	18.8	230	1	25	DAIKIN ELECTRIC	PUY-A36NKA7	3,4

NOTE:
1. R410A REFRIGERANT.
2. C/W WALL MOUNTED THERMOSTAT.
3. C/W REAR AND SIDE SNOW GUARD, AND FRONT WIND DEFLECTOR.
4. COOLING OPERATING RANGE: -40 TO 115°F (ULTRA-LOW AMBIENT COOLING).

MARK	MFR	MODEL	AIR FLOW		HEATING OUTPUT		TEMP SET POINT		ELECTRICAL				NOTES
			L/s	CFM	kW	MBH	°C	°F	MOTOR	VOLTS	PHASE		
			UH-L60-1	OUELLET	OAS03036	118	250	3	10.2	10.0	50	0.05	
UH-L60-2	OUELLET	OAS03036AM	240.72	510	3	10.2	10.0	50	0.02	1/30	600	3	1

NOTES:
1. C/W BUILT-IN THERMOSTAT AND MOUNTING BRACKETS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

B.M. ELEV.	DESIGNED BY EP		ENGINEER'S SEAL	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p>	CITY DRAWING NUMBER 1-0189F-M0002-001	
	DRAWN BY ERP		SYNDICATE FLOOD PUMPING STATION UPGRADES		SHEET 5 OF 7	
	CHECKED BY PDT		RELEASER FOR CONSTRUCTION NOT FOR CONSTRUCTION		CONSULTANT PROJECT NUMBER 18-6872	CONSULTANT DRAWING NUMBER M-2
	APPROVED BY PDT		HOR. SCALE AS SHOWN VERTICAL AS SHOWN		DETAILS AND SCHEDULES	
1 ISSUED FOR TENDER	15/06/18	EP				
NO. REVISIONS	DATE	BY	DATE			

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