		BACKDRA	FT DA	MPE	R SC	HEDU	LE			
TAG	DESCRIPTION	LOCATION	Damper	MFG	MODEL	WID	TH	HEIC	SHT	NOTES
IAG	DESCRIPTION	LOCATION	QTY	WIFG	MODEL	[MM]	[IN]	[MM]	[IN]	NOIES
BDD-1	Backdraft Damper	Duct	2	RUSKIN	CBS8	200	8	200	8	1
Notes:										
1)	HEAVY DUTY COUNTERB	ALANCED BACKDRAFT	DAMPER							

C/W 848IF module control to one of the boiler.

3) Exhaust fan with TEFC motor and motor located out of air stream.

Two speed supply/exhaust fans.

					BOILE	R SCI	1EDU!	LE									
		<u> </u>					CAP/	ACITY			A/T				WEI	ICUT	'
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	INP	'UT	ОUТ	ТРИТ	+ EW	"	LW	/ I	VS-PH-HZ	WEI	ЗПІ	NOTES
			'		Ţ	[KW]	[МВН]	[KW]	[MBH]	[°C]	[°F]	[°C]	[°F]	Ī	[LB]	[KG]	1
B-1	Gas Fired Condensing Boiler	Mech Room	2	Camus	DMNH0291	78	299	78	291	75	115	75	145	120-1-60	237	108	1, 2
Notes:	•																
1)	C/W two stage modulating controlle	er and all safety items.															

			C	ONTROL	_ VALVE	SCHI	EDUL	E					
TAG	DESCRIPTION	LOCATION	ОТУ	MEC	MODEL	NORMIN	AL SIZE	CV	DIAMI	ETER	LEN	GTH	NOTES
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	[MM]	[IN]	CV	[MM]	[IN]	[MM]	[IN]	NOTES
CV-1	2-way Valve	Mech Room	2	Belimo	G225	25	1	14	38	1.5	116	4.7	1
CV-2	3-way Diverting Valve	Mech Room	1	Belimo	G340D	40	1.5	28	41	1.6	135	5.4	2
Notes:													
1)	Bronze trim globe valve wit	n spring return on/off act	uator.										
2)	Bronze trim globe valve with	n spring return modulatir	ng actuator.										

		GRILLE A	AND [DIFFUSE	R SCH	EDULI	E			
TAG	DESCRIPTION	LOCATION	ОТУ	MEG	MODEL	WIE	тн	HEI	GHT	NOTES
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	[MM]	[IN]	[MM]	[IN]	NOTES
S-1	Louvered Diffuser	Mech Room	8	E H Price	610DAL	300	12	150	6	1
S-2	Louvered Diffuser	Stair Well	2	E H Price	610DAL	150	6	300	12	1
R-1	Return Grille	Stair Well	1	E H Price	610Z	400	16	500	20	2
Notes:										
1)	Aluminum construction dou	uble deflection @ 19 mm	spacing C/W I	balance damper						
2)	Aluminum construction 45°	deflection @ 19 mm spa	cing C/W alur	ninum balance dan	nper					

					HEA	AT RE	COVE	RY VE	ENTIL	LATOF	R SCH	HEDU	LE							
						EL OW	DATE		s	UPPLY FAN	1			RE	TURN FAN)A/E1	CUT	
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	FLOW	KAIE	E. S.	. P.	[RPM]	MO	TOR	E.S.	P.	[RPM]	MO ⁻	ΓOR	WEI	ЭПІ	NOTES
					,	[CFM]	[L/S]	[IN H2O]	[Pa]		[HP]	[kW]	[IN H2O]	[Pa]	_ [KFW]	[HP]	[kW]	[KG]	[LB]	
HRV-1	Heat Recovery Unit	Stair Well Roof	1	NU AIR	NU1030	1,800	850	1.50	374	1725/1140	1.5	1.12	1.00	249	1725/1140	1	0.75	455	1,000	1, 2, 3, 4
Notes:																				
1)	C/W Bypass Defrost.																			
2)	Power supply VS-PH-HZ	is 600/3/60.																		

									HE	ATIN	IG C	OIL	sc	HE	DUL	E										
TAG	DESCRIPTION	LOCATION	OTV	MFG	MODEL	(COIL SI	ZE Wx	H	FLOW	RATE	EA	AT	LA	Λ Τ	APD	CAPACITY	FLOW	WPD	EV	ΝT	L\	VT	WEI	GHT	NOTES
IAG	DESCRIPTION	LOCATION	QII	WIFG	WIODEL	[mm	x mm]	[in.	x in]	[CFM]	[L/S]	°C	°F	°C	°F	[IN]	[MBH]	[GPM]	[FT]	°C	°F	°C	°F	[LB]	[KG]	NOTES
HC-1	Heating Coil	Duct	1	McQuay	5WH1203B	600	600	24	24	1800	850	-24	-11	19	66.9	0.34	153	13.4	1.60	63	145	49	119.8	100	45	1
Notes:	_				_												_									
1)	50% Propylene Glycol																									

					TAI	NK SCI	HEDU	ILE								
T40	DECODIBIION	LOCATION	OTY	MEO	MODEL	TANK	VOL	MAX ACC	CEP. VOL	DIAMI	ETER	HEI	GHT	WEI	GHT	NOTES
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	[GAL]	[L]	[GAL]	[L]	[MM]	[IN]	[MM]	[IN]	[KG]	[LB]	NOTES
ET-1	Expansion Tank	Mech Room	1	Amtrol	ST-12-C	6.4	24	3	12	300	12	400	16	36	79	1
ET-2	Expansion Tank	Mech Room	1	Amtrol	AX-15V	8.0	30	2.4	9	300	12	487.5	19.5	30	66	2
GFT-1	Glycol Fill Tank	Mech Room	1	Axiom	SF-100	55.0	208	/	/	600	24	1225	49	225	495	3
Notes:	•															
1)	Precharged at 380 Kpa (55	PSIG) ASME for potab	le water at ma	aximum pressure (690 KPA .											
2)	Precharged ASME for hydr	onic system at maximur	n pressure 862	2 KPA .												
3)	Pump power supply is 115/	1/60.														

			LC	OUVER :	SCHEDU	JLE						
T40	DECORIDATION	LOCATION	ОТУ	MEO	MODEL	FLOW	RATE	WIE	тн	HEIG	GHT	NOTES
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	[CFM]	[L/S]	[MM]	[IN]	[MM]	[IN]	NOTES
L-1	Ventilation Louver	Staircase Wall	1	E H Price	DE439	1	1	150	6	150	6	1, 2
Notes:												
1)	C/W bird screen											
2)	Colour to be standard											

			Pl	UMBING F	IXTURE SCH	HEDULE
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	REMARKS
SK-1	Handwash Sink	Equipment Room	1	Metal-Tech	DDCS-1DB-2424	Stainless Steel single Compartment Sink c/w one right hand integral drainboard, lever waste with overflow and ss adjustable bullet feet.
	Bedpan Cleanser Faucet		1	American Standard	7866 015	Wall nozzle with hook. Spray end with self-closing valve 4 feet rubber hose.
	Wall-Mount Faucet Accessories		1		8344 112	Exposed Yoke Wall-Mount Utility Faucet Top brace. Vacuum breaker. Stops in shanks. Brass lever handles. 6" (152mm) threaded spout. 1/2" NPT female inlets Metal angle stops, adaptors, escutcheons and metal flexible risers, P-Trap cast brass with cleanout, union and escutcheon. Lotion dispenser, paper dispenser or hand dryer included.
FD-1	Floor Drain	Equipment Room	2	ZURN	Z415B-AR	50mm pipe size for 150mm strainer C/W acid resisting epoxy coted cast iron.
FD-2	Hub Floor Drain	Main Floor Stair Well	2	ZURN	ZN-415-BF-AR	50mm pipe size for 150mm strainer C/W acid resistant epoxy coated cast iron .
HR-1	Hose Reel	Equipment Room	1	ZURN	Z89100-PR1	7.6 m (25') length rubber hose for 414 Ka pressure, a hose bumper.a hose bend restrictor, a self closing pre-rinse valve with straight nozzle and diffuser,a angled pre-rinse spray head and a elevated vacuum breaker.
TP-1	Trap Primer	Equipment Room	1	ZURN	Z1020	Electronic programed with 5 outlets

					PUM	P SCI	HEDU	_E								
	Ī	<u> </u>				1				T						
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	FLOW	RATE	HE	AD .	PUMP	MO	FOR	VS-PH-HZ	WEI	GHT	NOTES
IAG	DESCRIPTION	LOCATION	QII	WIFG	MODEL	[GPM]	[L/S]	[FT]	[M]	[RPM]	[HP]	[KW]	V3-PH-HZ	[LB]	[KG]	NOTES
P-1	Boiler Pump	Mech Room	2	Bell Gossett	1X1,25X6 Series 3530	25	1.6	55	17	3500	0.75	0.5625	575-3-60	30	14	1
P-2	Pad Loop Pump	Mech Room	1	Bell Gossett	1X1,25X6 Series 3530	12	0.8	35	11	1750	0.75	0.5625	575-3-60	30	14	1
SMP-1	Submersible Pump	Stair Well	1	Zoller	6280	40	2.5	18	5	1750	0.50	0.375	120-1-60	96	44	2
Notes:																·
1)	Stainless construction C/\	W TEFC motor, built-i	n overload	l protection and su	ction guide.											
2)	C/W supports controls, di	scharge check valve a	and all ned	cessaries. 50mm D	ischarge.											

					UN	IT HEAT	TER S	CHED	ULE							
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	FLOW F	RATE	МОТ	OR	CAPACITY	FLOW	PRESSURE DROP	- VS-PH-HZ	WEI	GHT	NOTES
170	DESCRIPTION	LOCATION	QII	WIFG	WIODEL	[CFM]	[L/S]	[HP]	[kW]	[MBH]	[GPM]	[FT]	7 73-711-112	[LB]	[KG]	NOTES
UH-1	Hydronic Unit Heater	Stairwell & Mech Room	2	Rittling	RH86	1340	632	0.25	0.187	31.2	3.0	0.47	115-1-60	100	45	1, 2
Notes:	Evaluation Proof mater C/M/	unit built in thermeetet and E	loof Mountine	r Proglesto												
~~~~~	Explosion Proof motor C/W u Performance Data based on	<b>&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;&gt;</b>	~~~~	<b>^~~~~</b>	nd 120 °F Leaving T											

						_								
				WATER	R HEATI	ER SC	HEDU	LE						
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	CAPA	CITY	TANK SIZE	RECOVERY RATE GPH @	ELEMENT	VS-PH-HZ	OPERATIO	N WEIGHT	NOTE
						[KW]	[MBH]	[GA]	56°C RISE			[LB]	[KG]	
DWH-1	Electric Water Heater	Mechanical Room	1	A.O.Smith	DEL-20	3	10	20	12	1	208-3-60	242	110	1

EXHAUST FAN SCHEDULE																
TAG	DESCRIPTION	LOCATION	QTY	MFG	MODEL	FLOW RATE		STATIC PRESSURE		FAN	MOTOR		VS-PH-HZ	WEIGHT		NOTES
						[CFM]	[L/s]	[IN H2O]	[Pa]	[RPM]	[HP]	[kW]		[LB]	[KG]	
EF-1	FRP In line fan	Mechanical Room	1	Plasticair	BIF-18F	220	104	0.75	187	1561	0.5	0.37	208-3-60	150	68	1
Notes:																
1)	1) AMCA Certified spark resistant fan with explosion proof motor.															

No. 1301 Date:___

D ES	B.M ELE			Stantec Consulting Ltd.				ENGINEER'S SEAL  ORIGINAL  DRAWING  SEALED BY			
_					Stantec	905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012					
					DESIGNED BY	L.W.	CHECKED BY	A.B.	L. WANG MEMBER		
ION					DRAWN BY	J.L.T.	APPROVED BY	A.B.	32403 Stantec Consulting Ltd.		
,	1	ISSUED FOR ADDENDUM			HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:		2010-02-16		
	Α	ISSUED FOR TENDER	10.02.16	L.W.	VERTICAL:		Concinconon.		BID OPPORTUNITY NO.		
	NO.	REVISIONS	DATE	BY	DATE 09.11.13		DATE		822-2009		

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## THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE HAULED WASTEWATER RECEIVING FACILITIES LEACHATE RECEIVING BUILDING MECHANICAL SCHEDULES

I-0101A-M0012-001

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