



SCALE : N.T.S.

amec foster wheeler



- NOTES:
- CONTRACTOR TO VERIFY ALL SITE CONDITIONS, LOCATIONS AND DIMENSIONS PRIOR TO COMMENCING WORK. TRACE OUT ALL SYSTEMS BEFORE INITIATING WORK. COORDINATE SYSTEM SHUT DOWNS & SERVICE INTERRUPTIONS WITH OWNER.
 - PROVIDE ALL MATERIALS & LABOUR REQUIRED TO INSTALL ALL REQUIRED COMPONENTS IN ACCORDANCE WITH APPLICABLE CODES, REGULATIONS & DRAWINGS THAT FORM PART OF THIS CONTRACT.
 - DO NOT SCALE FROM DRAWINGS.
 - ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

C	ISSUED FOR TENDER	JUN 28 2017
B	ISSUED FOR 99% REVIEW	MAY 25 2017
A	ISSUED FOR CLIENT REVIEW	APR 28 2017
revisions		date

project

MCTS CENTRE

PORT AUX BASQUES

drawing

MECHANICAL EQUIPMENT SCHEDULES

designed	D. W.	conçu
date	JUNE 28, 2017	
drawn	TJB	dessiné
date	JUNE 28, 2017	
approved		approuvé
date	JUNE 28, 2017	
Tender	G.F. Macgillivray July 14/17	Soumission
Project Manager	Administrateur des projets TPSC	
project number		no. du projet
	R.082780.004	
drawing no.		no. du dessin

M7

PLUMBING FIXTURE AND TRIM SCHEDULE

FIXTURE TAG	DESCRIPTION	MANUFACTURER*	MODEL NO.*	COLOR	FIXTURE TRIM*					ROUGH-IN*						REMARKS
					FAUCET	FLUSHOMETER	WASTE	TRAP	SUPPLIES	WASTE	VENT	HOT WATER	COLD WATER	TEMPERED WATER	CARRIER	
LV-1	WALL MTD. LAVATORY (ACCESSIBLE)	AMERICAN STANDARD	LUCERNE 0355	WHITE	DELTA 21C494	—	DELTA 33T290	DELTA 33T311	DELTA 47P2512SD	32mm	32mm	12mm	12mm	—	ZURN Z1224	WALL MOUNTED VITREOUS CHINA LAVATORY, 100mm CENTERS, VANDAL RESISTANT LOW FLOW 1.3 LPM NON-AERATING SPRAY OUTLET, WATTS MODEL LFUSG-B UNDER SINK THERMOSTATIC MIXING VALVE
SS-1	COUNTER MTD. S.S. SINGLE BOWL SINK	NOVANNI	1017FM-38	S.S.	DELTA 26T3953	—	ASSEMBLY WITH SINK	DELTA 33T360	DELTA 47P2512SD	40mm	40mm	12mm	12mm	—	—	COUNTER MOUNTED S.S. SINGLE BOWL SINK C/W BASKET STRAINER ASSEMBLY AND TAILPIECE & LOW FLOW 5.7 LPM FAUCET (VANDAL RESISTANT)
JS-1	FLOOR MTD. MOP SINK	FIAT	TSB3003	—	DELTA 28T19	—	—	—	DELTA 47P2512SD	75mm	40mm	12mm	12mm	—	—	MOP HANGER, S.S. TILTING FLANGE, MOP SERVICE BASIN FITTING C/W QDC CONNECTOR, 832AA HOSE & BRACKET, WALL GUARDS, FAUCET C/W INTEGRAL BACK SIPHONAGE PROTECTION COMPLIANT WITH CSA B64.1.1 AND ASSE 1001.
SH-1	HANDICAP ACCESSIBLE SHOWER STALL	MAAX	3648	WHITE	DELTA T13H362	—	—	—	—	50mm	40mm	12mm	12mm	—	—	C/W DELTA R10700-UNWS ROUGH VALVE BODY, ZURN DRAIN MODEL ZN-415B, ROOF CAP, CURTAIN, CURTAIN ROD, SOAP DISH, GRAB BARS & FOLD UP SEAT, LEFT HAND INSTALLATION, VANDAL PROOF, FLOW MAXIMUM 5.7 LPM
TP-1	ELECTRONIC TRAP SEAL PRIMER PANEL	PRECISION PLUMBING	PT-1320	—	—	—	—	—	—	—	—	—	12mm	—	—	C/W SURFACE MOUNT CABINET & ACCESS DOOR, MANIFOLD, VACUUM BREAKER, 120/1/60 POWER
WC-1	WALL MTD. WATER CLOSET	MANSFIELD	144-153	WHITE	—	—	—	—	DELTA 47P1316SD	75mm	40mm	—	12mm	—	WATTS ISCA-141	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CENTOCO SEAT MODEL 620 (W/COVER), PUSH BUTTON FLUSH ACTIVATION (3.8 LPP)
WH-1	EXTERIOR FREEZE PROOF WALL HYDRANT	ZURN	Z1320-C	—	—	—	—	—	—	—	—	—	20mm	—	—	EXTERIOR WALL HYDRANT, AUTO DRAIN, ANTI-SIPHON, NON-FREEZE, ENCASED, WITH OPERATING KEY. MOUNT 1200mm ABOVE FINISHED GRADE.
BF-1	WATER ENTRY BACKFLOW PREVENTER	WATTS	LF909QT-S (32mm M1)	—	—	—	—	—	—	—	—	—	—	—	—	BACKFLOW PREVENTER C/W QUARTER TURN BALL VALVES, BRONZE STRAINER & AIR GAPS
INT-1	OIL INTERCEPTOR	ZURN	Z1186-ST-400	—	—	—	—	—	—	75mm	50mm	—	—	—	—	OIL INTERCEPTOR C/W INTEGRAL STORAGE TANK, EXTENSION PIECE, ACID RESISTANT EPOXY FINISH
HT-1	DOMESTIC HOT WATER STORAGE TANK	AO SMITH	HPTU-80	—	—	—	—	—	—	—	—	32mm	32mm	—	—	SIDE CONNECTIONS, 303 L CAPACITY, 208 VOLT
ES-1	EMERGENCY SHOWER & EYEWASH	HAWS	8356WCC	—	—	—	—	—	—	—	—	—	—	25mm	—	C/W TEST TAG, SIGN (HAWS MODEL SP170), ALARM LIGHT AND HORN (HAWS MODEL 9001)
TW-1	TEMPERED WATER VALVE	HAWS	9201E	—	—	—	—	—	—	—	—	32mm	32mm	32mm	—	C/W RECESSED CABINET: HAWS MODEL PK01E

*NOTE: APPROVED EQUALS FOR THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN SCHEDULE MUST PROVIDE THE PERFORMANCE REQUIRED FOR PLUMBING SYSTEMS AS LISTED.

FAN SCHEDULE

TAG NO.	SYSTEM SERVICED	MODEL NO.	MANUFACTURER*	AIR FLOW (L/s)	STATIC (Pa.)	MOTOR KW.	RPM	ELECTRICAL			NON-FUSED DISCONNECT	FIRESTAT	MOTORIZED DAMPER	MOUNTING	REMARKS
								VOLTAGE	PH.	HZ.					
F1	EXTRACTION ARM EXHAUST	SQ-90-VG	GREENHECK	90	63	—	1050	120	1	60	REQ'D	N/A	REQ'D	IN-LINE DUCT MOUNTED	C/W COMBINATION MAGNETIC STARTER W/ H.O.A. & NEDERMAN EXTRACTION ARM MODEL FX100 OR APPROVED EQUAL. SEE DRAWING M4 FOR MORE DETAILS.
F2	ELECTRICAL ROOM 123 COOLING	SQ-90-VG	GREENHECK	265	94	—	1725	120	1	60	REQ'D	N/A	REQ'D	IN-LINE DUCT MOUNTED	C/W COMBINATION MAGNETIC STARTER W/ H.O.A.
F3	JANITOR RM. 205 EXHAUST	SP-B50	GREENHECK	25	32	—	625	120	1	60	REQ'D	N/A	N/A	CEILING MOUNTED	C/W COMBINATION MAGNETIC STARTER W/ H.O.A. AND HOODED WALL CAP GREENHECK MODEL WC-6
F4	RANGE HOOD MCTS KITCHEN 212	ALLURE QS330SS	BROAN	203	25	—	—	120	1	60	—	N/A	N/A	INTERIOR SURFACE MOUNTED	C/W 4 SPEED CONTROLS, S.S. FINISH, WALL CAP
F5	JANITOR RM. 130 & RECYCLING ROOM 126 EXHAUST	CSP-B110	GREENHECK	45	32	—	950	120	1	60	REQ'D	N/A	N/A	IN-LINE DUCT MOUNTED	C/W COMBINATION MAGNETIC STARTER W/ H.O.A. AND HOODED WALL CAP GREENHECK MODEL WC-6

*NOTE: ALTERNATIVE MANUFACTURERS: COOK, TRANE, OR APPROVED EQUAL

PUMP SCHEDULE

PUMP TAG	PUMP TYPE	PUMP APPLICATION	MANUFACTURER*	MODEL No.	SIZE	DISCHARGE HEAD (kPa)	FLOW RATE (L/S)	R.P.M.	MOTOR CAPACITY (KW)	CONTROLS	ELECT. SUPPLY	REMARKS
P1	WALL MOUNTED RECIRCULATOR PUMP	DOMESTIC HOT WATER RECIRCULATION	BELL & GOSSETT	NBF-33	3x3 4x4	20	0.19	2950	0.125	—	120/1/60	ALL WETTED PARTS LEAD FREE BRONZE
P2	SUBMERSIBLE SUMP PUMP	ELEVATOR PIT DRAINAGE	MYERS	MCIO33	—	18	3	1550	0.25	—	120/1/60	THERMAL OVERLOAD PROTECTION WITH AUTO RESET, 2 POLE FLOAT SWITCH. 3m POWER CORD

*NOTE: ALTERNATIVE MANUFACTURERS: ARMSTRONG, TACO, GRUNDFOS, OR APPROVED EQUAL

FLOOR DRAIN AND ROOF DRAIN SCHEDULE

TAG NO.	DESCRIPTION	MANUFACTURER*	MODEL NUMBER	TRAP	TRAP SEAL PRIMER	SPECIAL REQUIREMENTS	APPLICATION AREA OF	REMARKS
RD-1	FLOW CONTROL ROOF DRAIN	ZURN	Z105	N/A	N/A	POLY-DOME	ROOF DRAINAGE	C/W SIX NOTCH WEIR, 100mm OUTLET SIZE, ACCESSORIES TO MATCH ROOF CONSTRUCTION, PROVIDE EXTENSIONS AS REQUIRED
FD-1	FLOOR DRAIN	ZURN	ZN415B	REQ'D	REQ'D	—	GENERAL AREA DRAINAGE	C/W TRAP PRIMER CONNECTION, OUTLET SIZE SEE PLANS
FD-2	FUNNEL FLOOR DRAIN	ZURN	ZN415B-OF	REQ'D	REQ'D	OVAL FUNNEL	MECH ROOM/CONDENSATE DRAINAGE	C/W TRAP PRIMER CONNECTION, OUTLET SIZE SEE PLANS
FD-3	HUB DRAIN	ZURN	ZN415	REQ'D	REQ'D	HUB EXTENSION	SPRINKLER SYSTEM DRAINAGE	C/W TRAP PRIMER CONNECTION, Z400U HUB EXTENSION, OUTLET SIZE SEE PLANS C/W TRAP PRIMER CONNECTION, OUTLET SIZE SEE PLANS
FD-4	SCUPPER DRAIN	ZURN	Z629	N/A	N/A	—	ELEVATOR PIT DRAINAGE	D.C.C.I. BODY WITH BRONZE GRATE, 102mm OUTLET (SCHEDULE 40) & BACKWATER VALVE

*NOTE: ALTERNATIVE MANUFACTURERS: JAY R. SMITH, MIFAB, WATTS, OR APPROVED EQUAL

HEAT RECOVERY VENTILATOR SCHEDULE

UNIT No.	AREA SERVICED	MODEL	MANUFACTURER*	DESIGN AIRFLOW	SPEED SETTING	STATIC	VOLTAGE	FANS (KW)	ACCESSORIES/COMMENTS
HRV1	MCTS CENTRE (24 HR. OPERATIONS)	6LC	VENMAR	230 L/S	LOW	175 Pa	120/1/60	0.187	C/W POLYPROPYLENE CORE, MERV 8 FILTERS
HRV2	MCTS CENTRE (DAILY OPERATIONS)	6LC	VENMAR	225 L/S	LOW	175 Pa	120/1/60	0.187	C/W POLYPROPYLENE CORE, MERV 8 FILTERS

*NOTE: ALTERNATIVE MANUFACTURERS: GREENHECK, TRANE, CARNES OR APPROVED EQUAL

GRILLE / REGISTER & DIFFUSER SCHEDULE

TYPE	MANUFACTURER*	MODEL	NOMINAL PANEL SIZE OR SLOT LENGTH	DISCHARGE PATTERN	NUMBER OF SLOTS OR CONES	CEILING TYPE	ACCESSORIES/COMMENTS
SA1	E.H. PRICE	520	SEE PLAN	—	—	T-BAR / GYPROC	C/W O.B.D., F BORDER, B12 FINISH, FRONT BLADES PARALLEL TO LONG DIMENSION
SA2	E.H. PRICE	SCD	300/300	4 WAY	3 CONE	T-BAR / GYPROC	C/W O.B.D., 31 BORDER, B12 FINISH
SA3	E.H. PRICE	510	SEE PLAN	—	—	EXPOSED DUCT	C/W O.B.D., F BORDER, B12 FINISH, BLADES PARALLEL TO LONG DIMENSION
RA1	E.H. PRICE	530	SEE PLAN	—	—	T-BAR / GYPROC	C/W O.B.D., F BORDER, B12 FINISH
EA1	E.H. PRICE	SERIES 80	SEE PLAN	—	—	GYPROC	C/W O.B.D., FD BORDER, B12 FINISH

*NOTE: ALTERNATIVE MANUFACTURERS: NAILOR, TITUS, CARNES, OR APPROVED EQUAL

REHEAT COIL SCHEDULE

UNIT No.	SYSTEM SERVICED	MANUFACTURER*	AIRFLOW	KW RATING	VOLTAGE	DUCT SIZE	ACCESSORIES/COMMENTS
RHC1	HRV1 REHEAT	THERMOLEC	230L/S	6	600/3/60	350/200	C/W AUTO & MANUAL RESET DISC TYPE THERMAL CUT-OUT, NEMA 4 CONTROL PANEL, SCR PROPORTIONAL CONTROLLER, 3 STAGE
RHC2	HRV2 REHEAT	THERMOLEC	225L/S	6	600/3/60	350/200	C/W AUTO & MANUAL RESET DISC TYPE THERMAL CUT-OUT, NEMA 4 CONTROL PANEL, SCR PROPORTIONAL CONTROLLER, 3 STAGE

*NOTE: ALTERNATIVE MANUFACTURERS: NEPTRONIC OR APPROVED EQUAL