

PLUMBING FIXTURE AND TRIM SCHEDULE

FIGURE TAG	DESCRIPTION	MANUFACTURER*	MODEL NO.*	COLOR	FAUCET	FLUSHMETER	WASTE	TRAP	SUPPLIES	WASTE	VENT	HOT WATER	COLD WATER	TEMPERED WATER	CARRIER	REMARKS
LV-1	WALL MTD. LAVATORY (ACCESSIBLE)	AMERICAN STANDARD	LUCERNE	WHITE	DELTA	-	DELTA	DELTA	DELTA	32mm	32mm	12mm	12mm	-	ZURN	MULTI-VENTED THERMOSTATIC VALVE, 100mm CENTERS, WANDL RESISTANT LOW FLOW 1.3 LPM
SS-1	COUNTER MTD. S.S. SINGLE BOWL SINK	NOVANNI	1017M-38	S.S.	DELTA	-	DELTA	DELTA	DELTA	40mm	40mm	12mm	12mm	-	ZURN	MULTI-VENTED THERMOSTATIC VALVE, 100mm CENTERS, WANDL RESISTANT LOW FLOW 1.3 LPM
JS-1	FLOOR MTD. MOP SINK	FLAT	TSB3003	-	DELTA	-	DELTA	DELTA	DELTA	40mm	40mm	12mm	12mm	-	ZURN	MULTI-VENTED THERMOSTATIC VALVE, 100mm CENTERS, WANDL RESISTANT LOW FLOW 1.3 LPM
SH-1	HANDICAP ACCESSIBLE SHOWER STALL	MAXX	3648	WHITE	DELTA	-	DELTA	DELTA	DELTA	50mm	40mm	12mm	12mm	-	ZURN	MULTI-VENTED THERMOSTATIC VALVE, 100mm CENTERS, WANDL RESISTANT LOW FLOW 1.3 LPM
SH-2	SHOWER STALL	MAXX	3648	WHITE	DELTA	-	DELTA	DELTA	DELTA	50mm	40mm	12mm	12mm	-	ZURN	MULTI-VENTED THERMOSTATIC VALVE, 100mm CENTERS, WANDL RESISTANT LOW FLOW 1.3 LPM
TP-1	ELECTRONIC TRAP SEAL PRIMER PANEL	PRECISION PLUMBING	PT-1320	-	-	-	-	-	-	-	-	-	-	-	-	C/W SURFACE MOUNT CABINET & ACCESS DOOR, MANIFOLD, VACUUM BREAKER, 120V/1/60 POWER
TP-2	ELECTRONIC TRAP SEAL PRIMER PANEL	PRECISION PLUMBING	PT-1320	-	-	-	-	-	-	-	-	-	-	-	-	C/W FLUSH MOUNT RECESSED CABINET & ACCESS DOOR, MANIFOLD, VACUUM BREAKER, 120V/1/60 POWER
WC-1	WALL MTD. WATER CLOSET	MANSFIELD	144-153	WHITE	-	-	-	-	DELTA	75mm	40mm	-	12mm	-	WATS	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
WH-1	EXTERIOR FREEZE PROOF WALL HYDRANT	ZURN	Z1320-C	-	-	-	-	-	DELTA	-	-	-	-	-	WATS	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
BR-1	WATER ENTRY BACKFLOW PREVENTER	WATS	LF90901-S	-	-	-	-	-	-	-	-	-	-	-	-	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
HB-1	HOSE BIBB (INTERIOR)	ZURN	Z1341-BFP	-	-	-	-	-	-	-	-	-	-	-	-	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
INT-1	OIL INTERCEPTOR	ZURN	Z1186-ST-400	-	-	-	-	-	-	75mm	50mm	-	-	-	-	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
HT-1	DOMESTIC HOT WATER STORAGE TANK	AO SMITH	HPFL-80	-	-	-	-	-	-	-	-	-	-	-	-	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
ES-1	EMERGENCY SHOWER & EYEWASH (RECESSED)	HAMS	8356WC	-	-	-	-	-	-	-	-	-	-	-	-	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
ES-2	EMERGENCY SHOWER & EYEWASH (SURFACE)	HAMS	8356WSCM	-	-	-	-	-	-	-	-	-	-	-	-	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
TW-1	TEMPERED WATER VALVE	HAMS	9201E	-	-	-	-	-	-	-	-	-	-	-	-	WALL MOUNTED PRESSURE ASSIST, HIGH EFFICIENCY WATER CLOSET C/W CEROTTO SEAT MODEL 620
LT-1	LAUNDRY TUB	FLAT	FL-7	WHITE	-	-	-	-	-	40mm	40mm	12mm	12mm	-	-	C/W RECESSED CABINET: HAMS MODEL P101E

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

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FAN SCHEDULE														
TAG NO.	SYSTEM SERVED	MODEL NO.	MANUFACTURER*	AIR FLOW (L/s)	STATIC (Pa.)	MOTOR KW.	RPM	ELECTRICAL		NON-FLUDED DISCONNECT	FIRESTAT	MOTORIZED DAMPER	MOUNTING	REMARKS
								VOLTAGE	PH. HZ.					
F1	ELECTRICAL ROOM 103 COOLING	SO-90-VG	GREENHECK	265	94	-	1725	120	1	60	REC'D	N/A	REC'D	C/W COMBINATION MAGNETIC STARTER W/ H.O.A.
F2	MECH/ELECT. ROOM 112 COOLING	SO-90-VG	GREENHECK	265	94	-	1725	120	1	60	REC'D	N/A	REC'D	C/W COMBINATION MAGNETIC STARTER W/ H.O.A.
F3	EXTRACTION ARM EXHAUST PACE SOLDERING STATION 121	SO-90-VG	GREENHECK	90	63	-	1050	120	1	60	REC'D	N/A	REC'D	C/W COMBINATION MAGNETIC STARTER W/ H.O.A. & NEED EXHAUST DUCT MOUNTED OR APPROVED EQUAL. SEE DRAWING M.F. FOR MORE DETAILS.
F4	EMERGENCY FUME EXHAUST HEATED WAREHOUSE 113	CM-141	GREENHECK	1142	94	0.56	1495	208	1	60	REC'D	N/A	REC'D	C/W COMBINATION MAGNETIC STARTER W/ H.O.A.
F5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F6	RANGE HOOD MCTS KITCHEN 212	ALLURE QS330SS	BROAN	203	25	-	-	120	1	60	-	N/A	INTERIOR SURFACE MOUNTED	C/W 4 SPEED CONTROLS, S.S. FINISH, WALL CAP
F7	C&P BUILDING HEATED WAREHOUSE 113 DESTRAIFICATION	CP48	CANAM	6136	0	HIGH 0.086 LOW 0.036	320	120	1	60	-	N/A	SUSPENDED ROOF STRUCTURE	C/W VARIABLE SPEED CONTROLLER CANAM MODEL FRMC5, REVERSIBLE MOTOR, 400mm DOWNROD, 1200mm BLADE (SUSPENDED CONTROLLER ONLY FOR TANKS 17 & 19 IS REQUIRED)
F8	C&P BUILDING HEATED WAREHOUSE 113 DESTRAIFICATION	CP48	CANAM	6136	0	HIGH 0.086 LOW 0.036	320	120	1	60	-	N/A	SUSPENDED ROOF STRUCTURE	C/W VARIABLE SPEED CONTROLLER CANAM MODEL FRMC5, REVERSIBLE MOTOR, 400mm DOWNROD, 1200mm BLADE (SUSPENDED CONTROLLER ONLY FOR TANKS 17 & 19 IS REQUIRED)
F9	JANITOR RM. 106 & RECYCLING ROOM 109 EXHAUST	CSP-B110	GREENHECK	47	32	-	950	120	1	60	REC'D	N/A	IN-LINE DUCT MOUNTED	C/W COMBINATION MAGNETIC STARTER W/ H.O.A. AND HOODED WALL CAP GREENHECK MODEL WC-6
F10	JANITOR RM. 210 EXHAUST	SP-B50	GREENHECK	25	32	-	625	120	1	60	REC'D	N/A	CEILING MOUNTED	C/W COMBINATION MAGNETIC STARTER W/ H.O.A. AND HOODED WALL CAP GREENHECK MODEL WC-6
NOTE: ALTERNATIVE MANUFACTURERS, COOK, FRAME, OR APPROVED EQUAL.														

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

PUMP SCHEDULE												
PUMP TAG	PUMP TYPE	PUMP APPLICATION	MANUFACTURER*	MODEL No.	SIZE	DISCHARGE RATE (GPM)	HEAD (L/S)	R.P.M.	MOTOR CAPACITY (KW)	CONTROLS	ELECT. SUPPLY	REMARKS
P1	WALL MOUNTED RECIRCULATION PUMP	DOMESTIC HOT WATER	BEIL & GOSSETT	NBF-33	3/4"	20	0.19	2950	0.125	—	120V/1/60	ALL WETTED PARTS LEAD FREE BRONZE
P2	SUBMERSIBLE SUMP PUMP	ELEVATOR PIT DRAINAGE	MYERS	MC033	—	18	3	1550	0.25	—	120V/1/60	THERMAL OVERLOAD PROTECTION WITH AUTO RESET 2 POLE FLUX SWITCH. 3m POWER CORD
NOTE: ALTERNATIVE MANUFACTURERS: ARMSTRONG, TAOO, GRUNDOS, OR APPROVED EQUAL												

*NOTE: ALTERNATIVE MANUFACTURERS: ARMSTRONG, TACO, GRUNDOS, 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 W/RT 100mm OUTLET, ACCESSORIES TO MATCH ROOF CONSTRUCTION, PROVIDE EXTENSIONS AS REQUIRED	
FD-1	FLOOR DRAIN	ZURN	ZH4158	REC'D	REC'D	-	GENERAL AREA DRAINAGE	C/W TRAP PRIMER CONNECTION, OUTLET SIZE SEE PLANS	
FD-2	FUNNEL FLOOR DRAIN	ZURN	ZH4158-OF	REC'D	REC'D	OVAL FUNNEL	MECH ROOM/CONDENSATE DRAINAGE	C/W TRAP PRIMER CONNECTION, OUTLET SIZE SEE PLANS	
FD-3	HUB DRAIN	ZURN	ZH415	REC'D	REC'D	HUB EXTENSION	SPRINKLER SYSTEM DRAINAGE	C/W TRAP PRIMER CONNECTION, 2400U HUB EXTENSION, OUTLET SIZE SEE PLANS	
FD-4	TRENCH DRAIN	ZURN	Z886	N/A	N/A	Z8803 TRENCH	HEATED WAREHOUSE DRAINAGE	2032mm LENGTH C/W 887 CATCH BASIN (150x500x450 NOMINAL)	
FD-5	SCUPPER DRAIN	ZURN	Z629	N/A	N/A	-	ELEVATOR PIT DRAINAGE	C/W HEAVY DUTY STEEL GRATING D/C, BODY WITH BRONZE GRATE, 102mm OUTLET (SCHEDULE 40) & BACKWATER VALVE	
NOTE: ALTERNATIVE MANUFACTURERS: JAY R. SMITH, MIFAB, WATTS, OR APPROVED EQUAL									

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

HEAT RECOVERY VENTILATOR SCHEDULE									
UNIT NO.	AREA SERVED	MODEL	MANUFACTURER*	DESIGN AIRFLOW	SPEED SETTING	STATIC	VOLTAGE	FANS (KW)	ACCESSORIES/COMMENTS
HRV1	MCTS CENTRE (24 MCTS OPERATIONS)	6LC	VENMAR	240 L/S	LOW	125 Pa	120V/1/60	0.187	C/W POLYPROPYLENE CORE, MERV 8 FILTERS
HRV2	DAILY OPERATIONS (24 MCTS OPERATIONS)	6LC	VENMAR	275 L/S	MEDIUM	125 Pa	120V/1/60	0.187	C/W POLYPROPYLENE CORE, MERV 8 FILTERS
HRV3	HEATED WAREHOUSE	12LC	VENMAR	520 L/S	HIGH	100 Pa	120V/1/60	0.25	C/W POLYPROPYLENE CORE, WASHABLE FOAM FILTERS
HRV4	C & P BUILDING ADMIN. AREAS	6LC	VENMAR	165 L/S	REDUCED LOW	100 Pa	120V/1/60	0.187	C/W POLYPROPYLENE CORE, MERV 8 FILTERS

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

REHEAT COIL SCHEDULE							
UNIT NO.	SYSTEM SERVED	MANUFACTURER*	AIRFLOW	KW RATING	VOLTAGE	DUCT SIZE	ACCESSORIES/COMMENTS
RHC1	HRV1 REHEAT	THERMOLEC	240L/S	4.5	600/3/60	350/200	C/W AUTO & MANUAL RESET DISC TYPE THERMAL COIL-OUT, NEMA 4 CONTROL PANEL, SCR PROPORTIONAL CONTROLLER, 3 STAGE
RHC2	HRV2 REHEAT	THERMOLEC	275L/S	5.5	600/3/60	350/200	C/W AUTO & MANUAL RESET DISC TYPE THERMAL COIL-OUT, NEMA 4 CONTROL PANEL, SCR PROPORTIONAL CONTROLLER, 3 STAGE
RHC3	HRV3 REHEAT	THERMOLEC	520L/S	11	208/3/60	500/250	C/W AUTO & MANUAL RESET DISC TYPE THERMAL COIL-OUT, NEMA 4 CONTROL PANEL, SCR PROPORTIONAL CONTROLLER, 3 STAGE
RHC4	HRV4 REHEAT	THERMOLEC	165L/S	2.5	208/3/60	350/200	C/W AUTO & MANUAL RESET DISC TYPE THERMAL COIL-OUT, NEMA 4 CONTROL PANEL, SCR PROPORTIONAL CONTROLLER, 3 STAGE
NOTE: ALTERNATIVE MANUFACTURERS: NEPRONIC OR APPROVED EQUAL							


*NOTE: ALTERNATIVE MANUFACTURERS: NEPTRONIC OR APPROVED EQUAL

REHEAT COIL SCHEDULE

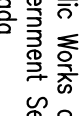
GRILLE / REGISTER & DIFFUSER SCHEDULE

TYPE	MANUFACTURER*	MODEL	NOMINAL PANEL SIZE	DISCHARGE PATTERN	NUMBER OF SLOTS OR CONES	CEILING TYPE	ACCESSORIES/COMMENTS
SA1	E.H. PRICE	520	SEE PLAN	—	—	—	C/W O.B.D., F BORDER, B12 FINISH, FRONT BLADES PARALLEL TO LONG DIMENSION
SA2	E.H. PRICE	520	SEE PLAN	—	—	—	C/W O.B.D., F BORDER, B12 FINISH, FRONT BLADES PARALLEL TO LONG DIMENSION
SA3	E.H. PRICE	510	SEE PLAN	—	—	—	C/W O.B.D., F BORDER, B12 FINISH, FRONT BLADES PARALLEL TO LONG DIMENSION
RA1	E.H. PRICE	530	SEE PLAN	—	—	—	C/W O.B.D., F BORDER, B12 FINISH, FRONT BLADES PARALLEL TO LONG DIMENSION
EA1	E.H. PRICE	SERIES 80	SEE PLAN	—	—	—	C/W O.B.D., F BORDER, B12 FINISH, FRONT BLADES PARALLEL TO LONG DIMENSION

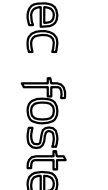
*NOTE: ALTERNATIVE MANUFACTURERS: NALOR, TITUS, CARNES, OR APPROVED EQUAL




Public Works and
Government Services
Services gouvernementaux
Ontario




Tennessee Public Works
Tennessee's Infrastructure
Tennessee's Infrastructure



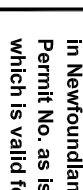
amec foster wheeler




PENG




The Permit Allow




Professional Engineer



Professional Engineer



Professional Engineer



Professional Engineer



Professional Engineer



Professional Engineer



Professional Engineer



Professional Engineer

NOTES:

1. CONTRACTOR TO VERIFY ALL SITE CONDITIONS, LOCATIONS AND DIMENSIONS BEFORE BEGINNING WORK. COORDINATE SYSTEM SHUT DOWNS & SERVICE INTERRUPTIONS WITH OWNER.
2. PROVIDE ALL MATERIALS & LABOUR COMPONENTS IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM DRAWINGS.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.



designed	J.S.	checked	J.S.
drawn	J.S.	approved	J.S.
date	JUNE 28, 2017	date	JUNE 28, 2017
approved	J.S.	approved	J.S.
date	JUNE 28, 2017	date	JUNE 28, 2017
Project Number	R.081781.004	Project Number	R.081781.004
Project Name	M8	Project Name	M8
Project Location	M8	Project Location	M8

MECHANICAL EQUIPMENT SCHEDULES

MCTS CENTRE AND C&P BUILDING PLACENTA