

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	NOTES	DCW CONNECTION	DHW CONNECTION	SANITARY CONNECTION	OTHER
L-1	UNDERCOUNTER MOUNT LAVATORY, ELECTRONIC FAUCET, BELOW DECK MECHANICAL WATER MIXING VALVE	KOHLER BOLERO K-2610-SU UNDERCOUNTER MOUNT STAINLESS STEEL LAVATORY. SLOAN DECK MOUNT #ET-880-4 'OPTIMA' ELECTRONIC FAUCET, #EL-154, HARDWIRED TRANSFORMER, ET-1021-A WITH VANDAL RESISTANT 1.9 LPM (0.5 GPM), NON-AERATING MULTI-LAMINAR FLOW SPRAY OUTLET. LAWLER #TMM-1070, BELOW DECK MECHANICAL WATER MIXING VALVE, INTEGRAL CHECKS. MCQUIRE #155WC OFFSET OPEN GRID DRAIN. #FH170BVRB FAUCET SUPPLIES, #8872C P-TRAP, 'PROWRAP' #PW2000WC SANITARY COVERING. PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. PROVIDE BASIN RIM SEALANT.	X	X	X	
L-2	BARRIER FREE WALL HUNG VITREOUS CHINA LAVATORY, ELECTRONIC FAUCET, BELOW DECK MECHANICAL WATER MIXING VALVE	KOHLER SOHO K-2084 - SLOAN #ET-880-4 'OPTIMA' ELECTRONIC FAUCET, #EL-154, HARDWIRED TRANSFORMER, ET-1021-A WITH VANDAL RESISTANT 1.9 LPM (0.5 GPM), NON-AERATING MULTI-LAMINAR FLOW SPRAY OUTLET. LAWLER #TMM-1070, BELOW DECK MECHANICAL WATER MIXING VALVE, INTEGRAL CHECKS. MCQUIRE #155WC OFFSET OPEN GRID DRAIN. #FH170BVRB FAUCET SUPPLIES, #8872C P-TRAP, 'PROWRAP' #PW2000WC SANITARY COVERING. PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION.	X	X	X	
WC-1	VITREOUS CHINA - FLUSHOMETER - EXPOSED - MANUAL	AMERICAN STANDARD #3461001.020, MADERA FLOWSE RIGHT HEIGHT ELONGATED, 419 MM HIGH TOILET, VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, SIPHON JET FLUSH ACTION, CONDENSATE CHANNEL, CENTOCO #5005TSCC.001, HEAVY DUTY TOILET SEAT, SOLID PLASTIC, OPEN FRONT LESS COVER. SLOAN #ROYAL 111-1.28-CP, POLISHED CHROME FINISH, EXPOSED MANUAL FLUSHOMETER FOR TOP SPUD TOILET, 4.8 L (1.28 US GAL) FACTORY SET FLOW, SANIGUARD ANTIMICROBIAL PROTECTION, EXTENDED SEAT BUMPER. FRANK 'MIDLAND' #CM-16104 TOILET BACK REST. PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET. CO-ORDINATE F.V. HEIGHT WITH BACKREST AND GRAB BARS. (SEE ARCH. DRAWINGS)	X		X	
MS-1	FLOOR MOUNT MOP SINK	STERN WILLIAMS #MTB-3624 SERVICE / MOP SINK, 610 MM (24") WIDE X 914 MM (36") LONG X 254 MM (10") HIGH, TERRAZZO. AMERICAN STANDARD #8354112.002, 'YOKE', TWO HANDLES FAUCET, HOSE END CONNECTION, VACUUM BREAKER. STERN WILLIAMS A-20 BUMPER GUARD ANODIZED ALUMINUM CAP, T-35 HOSE AND WALL HOOK 36" (914 MM) LONG HOSE WITH 3/4" (19 MM) CHROME COUPLING, STAINLESS STEEL WALL BRACKET. STERN WILLIAMS T-40 MOP HANGER STAINLESS STEEL #4 FINISH, 24" (610 MM) LONG WITH 3 RUBBER SPRING LOADED CLIPS. STERN WILLIAMS BP BACK SPLASH PANEL 20 GA. (0.9 MM) TYPE 304 STAINLESS STEEL, TC-3 GASKET 3" (76 MM) FOR XHCI, PLASTIC AND STEEL PIPE. PROVIDE P-TRAP. COMPLETE WITH DRAIN GASKET.	X	X	X	
S-1	DOUBLE COMPARTMENT DROP IN SINK, BARRIER FREE	FRANKE COMMERCIAL #ALB06406P-1/3, COUNTERTOP MOUNT SINK. DELTA 191F SINGLE HANDLE FAUCET. PRESSURE COMPENSATING 5.7 LPM (1.5 GPM) AERATOR OUTLET. LAWLER #TMM-1070, BELOW DECK MECHANICAL WATER MIXING VALVE, INTEGRAL CHECKS. MCQUIRE #FH170BVRB FAUCET SUPPLIES, #8912CB P-TRAP, 'PROWRAP' #PW2000 SANITARY COVERING. PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. PROVIDE TEMPERED WATER TO HOT SIDE OF FAUCET.	X	X	X	
S-2	FLOOR MOUNT SERVICE SINK (SCULLERY)	FRANKE COMMERCIAL #SL2424-1/2 SCULLERY SINK. AMERICAN STANDARD #7298152.002, 'HERITAGE' TWO HANDLES FAUCET. MCQUIRE #8912CB, P-TRAP.	X	X	X	
S-3	WALL MOUNT STAINLESS STEEL HAND SINK	FRANKE COMMERCIAL #WSS6713-1/2 SERVICE SINK. AMERICAN STANDARD #8350243.002 'YOKE', TWO HANDLES FAUCET. MCQUIRE #8912CB, P-TRAP. WATTS #CA-321, FIXTURE CARRIER.	X	X	X	
SH-1	BARRIER FREE SHOWER/HAND SHOWER, FAUCET/DIVERTER VALVE	AMERICAN STANDARD T431.500.002 BOULEVARD SHOWER VALVE TRIM, METAL WALL PLATE; #R115SS PRESSURE BALANCE IN-WALL SHOWER ROUGH VALVE; 1660.652.002 3-FUNCTION RAIN SHOWER HEAD, 6.6 LPM (1.75 GPM) MAX FLOW RATE, POLISHED CHROME FINISH; 1660.240.002 WALL MOUNT SHOWER ARM, BRASS CONSTRUCTION, 140 MM (5-1/2") LONG WITH 45 DEGREE ANGLE; 1660.502.002 3-FUNCTION WATER-SAVING HAND SHOWER, 5.7 LPM (1.5 GPM) MAX FLOW RATE, POLISHED CHROME FINISH; 1660.225.002 HAND SHOWER SLIDE BAR, POLISHED CHROME FINISH; ADJUSTABLE BRACKET; 8888.035.002 HAND SHOWER METAL HOSE 1524 MM (60") LONG, POLISHED CHROME FINISH; 1660.400.002 HAND SHOWER IN-LINE VACUUM BREAKER; 8888.037.002 HAND SHOWER WALL SUPPLY, BRASS CONSTRUCTION, POLISHED CHROME FINISH; T431.430.002 BOULEVARD, IN-WALL DIVERTER TRIM KIT, POLISHED CHROME FINISH, R422 2-WAY IN-WALL ROUGH DIVERTER VALVE, FORGED BRASS BODY	X	X	X	
ES-1	PEDESTAL MOUNT EMERGENCY SHOWER/EYE/FACE WASH	GUARDIAN #G1902 -FC20, PEDESTAL MOUNTED, 10" (254 MM) DIAMETER SHOWER HEAD ORANGE ABS PLASTIC SHOWER HEAD, 292 MM (11-1/2") DIA STAINLESS STEEL BOWL, COMBINATION SHOWER AND EYE WASH. PROVIDE SHUT-OFFS AT EMERGENCY MIXING VALVE. UNIT SHALL INCLUDE ANSI COMPLIANT SIGN. **UNIT SHALL MEET OR EXCEED ANSI Z358.1 - 2009. THERMOSTATIC MIXING VALVE: GUARDIAN MODEL G3800LF (OR EQUIVALENT) (FACTORY SET TO 85 DEGREES) FOR SINGLE EMERGENCY COMBINATION EYE WASH/SHOWER. UNIT SHALL INCLUDE A BUILT-IN COLD WATER BY-PASS, ROUGH BRONZE FINISH, SOLID BIMETAL THERMOSTAT, LOCKING TEMPERATURE REGULATOR WITH LIMIT STOP FACTORY SET FOR 90 DEGREES, INTEGRAL CHECK STOPS, AND DIAL THERMOMETER. UNIT SHALL HAVE A FLOW RANGE OF 3-GPM TO 44-GPM WITH A MAXIMUM PRESSURE LOSS OF 20-PSI. UNIT SHALL BE CERTIFIED TO ASSE 1071 AND BE CERTIFIED TO MEET LOW LEAD REQUIREMENTS OF WETTED SURFACE AREA CONTAINING LESS THAN 0.25% LEAD BY WEIGHT.	X	X	X	THERMOSTATIC MIXING VALVE, FLOOR DRAIN
FD-1	FLOOR DRAIN	SMITH SERIES 2005AHD FLOOR DRAIN, ALL DUCO COATED CAST IRON BODY, REVERSIBLE FLASHING CLAMP WITH SEEPAGE OPENINGS AND ADJUSTABLE 5" DIAMETER NICKEL BRONZE STRAINER. PROVIDE CANPLAS SURESEAL INLINE TRAP SEALERS FOR EACH LOCATION. ENSURE TRAP IS PRIMED PRIOR TO COMPLETION.			X	
FD-2	FUNNEL FLOOR DRAIN	SMITH SERIES 2005AHD FLOOR DRAIN, ALL DUCO COATED CAST IRON BODY, REVERSIBLE FLASHING CLAMP WITH SEEPAGE OPENINGS AND ADJUSTABLE 5" DIAMETER NICKEL BRONZE STRAINER. PROVIDE CANPLAS SURESEAL INLINE TRAP SEALERS FOR EACH LOCATION. ENSURE TRAP IS PRIMED PRIOR TO COMPLETION. OVAL FUNNEL, NICKEL BRONZE FINISH.			X	
FD-3	HEAVY DUTY AREA DRAIN	SMITH SERIES SQ-2-1717 FLOOR DRAIN, DUCO COATED CAST IRON BODY, 15-1/4" (384MM) DIAMETER BODY, 12-1/2"x13-3/4" (318 X 349MM) EXTRA HEAVY DUTY HINGED DUCTILE IRON GRATE WITH S.S. HINGE PINS AND SEDIMENT BUCKET. PROVIDE EXTENSION TO SUIT CONSTRUCTION REQUIREMENTS.			X	
WH-1	EXTERIOR HYDRANT - NON-FREEZE WALL HYDRANT WITH BOX, INTEGRAL VACUUM BREAKER	WATTS HY-725 HYDRANT, 3/4"x(19 MM) HOSE CONNECTION, 3/4"x(19 MM) FEMALE X 1"x(25 MM) MALE PIPE CONNECTION, INTEGRAL VACUUM BREAKER, NICKEL BRONZE BOX AND DOOR, DEPTH TO SUIT WALL CONSTRUCTION.	X			
HB-1	INTERIOR HOSE BIBB, VACUUM BREAKER	WATTS SCB-1 HYDRANT, WATTS MODEL 8B TAMPER-PROOF VACUUM BREAKER WITH BREAK-AWAY SCREW FAUCET, 1/2" (13 MM) MALE NPT COPPER SWEAT CONNECTION WITH TEE HANDLE, CAST BRASS, ADJUSTABLE PACKING NUT CARTRIDGE.	X			

HOT WATER TANKS (BASED ON A.O. SMITH)

TAG	LOCATION	MODEL	TYPE	VOLUME L(GAL)	CAPACITY	ELECTRICAL	COMMENTS/ACCESSORIES
HWT-1/2	MECH ROOM	DRE-80-9	ELECTRIC	286 (80)	9.0KW	37.5FLA, 240V 1ø	1-6

1) 150 PSI WORKING PRESSURE 2) T&P RELIEF 3) GLASS LINED 4) AQUASTAT CONTROLS 5) AMTRLO ST-12 EXPANSION TANK (ET-1) 6) ARMSTRONG ASTRO 250SS (RCP-1: 6GPM AT 13'HD).

INTERCEPTORS

TAG	LOCATION	MANUFACTURER	MODEL	SERVICE	INLET AND OUTLET PIPE	VENT PIPE	HOLDING CAPACITY	WIDTH (IN)	LENGTH (IN)	HEIGHT (IN)	WET WEIGHT (LB)	COMMENTS/OPTIONS
OI-1	SHOP 114	ZURN PROCEPTOR	OMC150	OIL	4"	3" DIAMETER (X2)	LIQ: 150GAL.	32	62	40	1500	FIBREGLASS REINFORCED PLASTIC, INTEGRAL STORAGE TANK, EXTENSION COLLAR TO SUIT FINISHED GRADE, H2O DUTY RATED SOLID COVER. EXCAVATION, BACKFILL, AND INSTALLATION TO MANUFACTURER RECOMMENDATIONS
SI-1/2/3	SHOP 114	STRIEM SETTLER SERIES	CB-125-G	SEDIMENT	4"	-	LIQ:125GAL, SOLIDS:70GAL.	32	46	38.5	1500	ROTATIONALLY-MOLDED MEDIUM DENSITY POLYETHYLENE CATCH BASIN SHALL BE FURNISHED FOR BELOW GRADE INSTALLATION WITH CAST IRON H2O RATED GRATED COVER, UNDERSLAB ANCHOR PLATE KIT. CATCH BASIN SHALL BE PROVIDED WITH OUTLET AND INLET CONNECTION, EXTENSION COLLAR TO SUIT FINISHED GRADE. EXCAVATION, BACKFILL, AND INSTALLATION TO MANUFACTURER RECOMMENDATIONS

HOT WATER RECOVERY VENTILATOR SCHEDULE

TAG	SERVICE	MANUFACTURER MODEL #	DRIVE	AIR FLOW (CFM)	E.S.P. (IN WG)	MOTOR POWER (HP)	ELECTRICAL	COMMENTS/OPTIONS
HRV-1	MECH 110	NU-AIR NU600	DIRECT	400	0.5	4.4 FLA, 5.5 MCA, 15A MOC	120V/1PH	1-6

1) SPRING TYPE VIBRATION ISOLATORS. 2) FLEXIBLE DUCT CONNECTIONS. 3) HRV CONTROL VIA PROGRAMMABLE TIME CLOCK FOR OCCUPIED/UNOCCUPIED SCHEDULED OPERATION. 4) INTERLOCK WITH ASSOCIATED MOTORIZED DAMPER ACTUATORS. 5) EXTEND INSULATED DUCTS TO EXTERIOR LOUVERS WITH BIRDSCREEN.

ELECTRIC HEATING COILS (BASED ON THERMOLEC)

TAG	LOCATION	SERVICE	DIMENSIONS (WXH)	CAPACITY (KW)	AIR FLOW (CFM)	COMMENTS
PHC-1	MECH 110	HRV-1	350X200	6.0	400	1,2,3,4,5,6
HC-1	STAFF 101 CEILING SPACE	ADMIN AREAS	600X350	23.0	2000	1,2,3,4,5,7

1) INLET AND OUTLET SCREENS. 2) SCR MODULATION. 3) DISCHARGE AIR TEMPERATURE CONTROL. 4) DUCT MOUNTED (FLANGED CONNECTIONS). 5) DUCT MOUNT ACCESS DOOR UPSTREAM 6) OPEN COIL HEATER, MANUAL AND AUTO RESET THERMAL CUTOFF, AIRFLOW SENSOR, TERMINAL BLOCK, BUILT IN TEMPERATURE CONTROLLER. 7) OPEN COIL HEATER, MANUAL AND AUTO RESET THERMAL CUTOFF, AIRFLOW SENSOR, TERMINAL BLOCK, SUITABLE FOR REMOTE THERMOSTAT CONTROL (THERMOSTAT PROVIDED BY AH-1 SUPPLIER SUITABLE FOR CONTROL OF SCR.

FAN SCHEDULE

TAG	SERVICE	MANUFACTURER MODEL #	DRIVE	AIR FLOW (CFM)	E.S.P. (IN WG)	MOTOR POWER (HP)	ELECTRICAL	COMMENTS/OPTIONS
EF-1	SHOP 114	BSQ-120	BELT	1410	0.5	0.50	240V/1PH	1-6

1) SPRING TYPE VIBRATION ISOLATORS. 2) FLEXIBLE DUCT CONNECTIONS. 3) FAN OPERATION VIA GAS DETECTION SYSTEM, HUMIDITY CONTROL SYSTEM, AND MANUAL CONTROL. 4) INTERLOCKED WITH ASSOCIATED EXHAUST AND INTAKE MOTORIZED DAMPER ACTUATORS. 5) INLINE FAN. 6) DISCHARGE TO EXTERIOR HOOD WITH BIRDSCREEN.

INDOOR PACKAGED AIR HANDLING UNIT

TAG	SERVES	MANUFACTURER MODEL	SUPPLY AIR (CFM)	VENTILATION AIR (CFM)	EVAP FAN E.S.P. (IN WG)	MOTOR HP	COND FAN E.S.P. (IN WG)	MOTOR HP	HEATING			COOLING			ELECTRICAL			COMMENTS/OPTIONS	
									HEATING TYPE	STAGES	HEATING INPUT (KW)	STAGES	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	EFFICIENCY (SEER/EER/COP)	MCA	MOC		VOLTAGE
AH-1	ADMINISTRATION WING	UNITED COOL AIR VAS053ASH420-B	2100	400	0.75	1.5	0.25	1.5	-	-	-	1	58.3	44.0		49.3	75	240/1/60	1-7

1) PACKAGED COOLING, DIGITAL SCROLL COMPRESSOR. 2) VERTICAL CONFIGURATION. 3) SPACE MOUNT TEMPERATURE SENSOR, PROGRAMMABLE CONTROLLER FOR OPERATION OF PACKAGED DX COOLING AND DUCT MOUNTED MODULATING ELECTRIC HEATING COIL (SCR), OCCUPIED/UNOCCUPIED SCHEDULES. 4) MERV 13 FILTER. 5) FLEXIBLE DUCT CONNECTIONS. 6) OCCUPIED/UNOCCUPIED SCHEDULE CONSISTENT WITH RESPECTIVE HRV-1 OPERATION. 7) UAC MARVEL MINI HVAC CONTROLLER OR EQUAL - SUITABLE FOR ECONOMIZER (FREE COOLING), C/W RETURN/OUTDOOR AIR/MIXED AIR SENSORS AND AUXILIARY EQUIPMENT; REFER TO SEQUENCE OF OPERATION.

GRILLES AND DIFFUSERS SCHEDULE (BASED ON PRICE)

TAG	MODEL	COMMENT
S1	SCD/B12	SQUARE CONE DIFFUSER (W/INTEGRAL DAMPER WHERE DUCT MOUNT DAMPER NOT PERMITTED)
S2	620D/F/L/A/B12	ALUMINUM DOUBLE DEFLECTION GRILLE (W/INTEGRAL DAMPER WHERE DUCT MOUNT DAMPER NOT PERMITTED)
T1	80/B12	ALUMINUM EGG CRATE TRANSFER GRILLE; REFER TO FINAL REFLECTED CEILING PLAN FOR APPLICATION
R1	80/B12	ALUMINUM EGG CRATE RETURN GRILLE; REFER TO FINAL REFLECTED CEILING PLAN FOR APPLICATION
E1	80/B12	ALUMINUM EGG CRATE EXHAUST GRILLE; REFER TO FINAL REFLECTED CEILING PLAN FOR APPLICATION
E2	630/F/L/A/B12	ALUMINUM LOUVERED TRANSFER GRILLE
L1	DE635	EXTERIOR ALUMINUM LOUVER, BIRDSCREEN

EQUAL MANUFACTURERS: NAILOR, TITUS

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NOVA 3 ENGINEERING LTD. PROFESSIONAL ENGINEERS
201-120 FORT STREET WINNIPEG, MANITOBA R3C 1C7 WWW.NOVA3.CA TEL: (204) 943-6142 FAX: (204) 942-1276 eN: 41-070
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Project
ST. VITAL PARK MAINTENANCE FACILITY
190 RIVER ROAD

Sheet Title
MECHANICAL SCHEDULES

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