

### DRAIN SCHEDULE

TAG	APPLICATION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	TRAP PRIMER	NOTES
FD-A	FINISHED PUBLIC SPACES	ZURN ZN-415-6B-P	FLOOR AND SHOWER DRAIN COATED CAST IRON BODY ADJUSTABLE NICKEL BRONZE STRAINER	PRECISION PLUMBING PRODUCTS #PO-500	①③⑦
FD-B	UNFINISHED EQUIPMENT SPACES	ZURN Z-554-P	MEDIUM DUTY DRAIN, CAST IRON BODY & GRATE, 3/4" TRAP PRIMER CONNECTION		①②③⑦
FD-C	INTAKE SPACES	ZURN ZN-415-6B-Y-VP-P	FLOOR DRAIN COATED CAST IRON BODY ADJUSTABLE NICKEL BRONZE STRAINER		①②③⑦
RD-A	ROOF DRAIN	ZURN ZA-125-DP	ROOF DRAIN, ALUMINUM DOME, COATED CAST IRON BODY, DECK PLATE		④⑤⑥
RD-B	ROOF DRAIN	FROET 100C6LP-OFS-DC	ROOF DRAIN, CAST IRON BODY, SUMP RECEIVER, CLAMP		④⑤⑥
RD-C	DOWNSPOUT NOZZLE	ZURN ZAB-199	DOWNSPOUT NOZZLE, POLISHED BRONZE BODY, THREADED INLET, OUTLET NOZZLE		

NOTES: ① 1/2" TRAP PRIMER CONNECTION. PROVIDE TRAP PRIMER VALVE AND SUPPLY PIPING COMPLETE FOR ALL DRAINS. (SHOWER DRAIN TRAP PRIMERS ARE NOT REQUIRED AND THE PORT SHALL BE CAPPED AND SEALED).  
 ② SEDIMENT BUCKET.  
 ③ SLAB ON GRADE - CAULK OUTLET.  
 ④ ROOF/MEZZANINE - NO HUB OUTLET.  
 ⑤ EXPANSION JOINT - REQUIRED WHERE PIPING CONNECTION TO THE DRAIN DOES NOT IMMEDIATELY OFFSET TO THE HORIZONTAL AND RUN MORE THAN 5 FEET. PROVIDE ZURN #Z-190.  
 ⑥ REFER TO MECHANICAL ROOF PLAN FOR ROOF DRAIN LOCATIONS.  
 ⑦ PROVIDE SHUT-OFF VALVE UPSTREAM OF EACH TRAP PRIMER VALVE.

### MIXING VALVE SCHEDULE

TAG	SERVICE	MIN. FLOW (GPM)	DESIGN FLOW (GPM)	OUTLET TEMP. SET POINT DEG. F	MAX. PRESS. DROP @ DESIGN FLOW (PSI)	INLETS (IN)	OUTLET (IN)	TYPICAL UNIT MFG & MODEL NO.	RECIRC (IN)	RECIRC PUMP	NOTES
MV-1	DOM. HW GENERAL USE	1	18	120	10	3/4	1	LEONARD MEGATRON 1N	3/4	RP-1	①②
MV-2	SECURE SHOWER	0.5	5	110	10	1/2	1/2	SYMMONS 5-120-NI-CK	-	-	

NOTES: ① PROVIDE SPARE REBUILD KIT. ② FACTORY PRE-PIPED/PRE-ASSEMBLED.

### PLUMBING SPECIALTIES SCHEDULE

TAG	APPLICATION	TYPICAL UNIT MFG & MODEL NO.	DESCRIPTION	NOTES
HB-A	INTERIOR HOSE BIBB FINISHED SPACES	CHICAGO FAUCET #952	INTEGRAL VACUUM BREAKER, LOOSE KEY, SMOOTH CHROME FINISH, 3/4" CONNECTION.	
HB-B	INTERIOR HOSE BIBB UNFINISHED SPACES	CHICAGO FAUCET #998	INTEGRAL VACUUM BREAKER, LOOSE KEY, ROUGH CHROME FINISH, 3/4" CONNECTION.	
WH-A	EXTERIOR WALL HYDRANT	ZURN #Z-1300-3/4x14	FREEZE RESISTANT AUTOMATIC DRINKING, POLISHED BRONZE WALL PLATE, INTEGRAL BACKFLOW PREVENTER, 3/4" CONNECTION.	
WB-A	ICE MAKER WALL BOX	GUY GRAY #BIM875	GALVANIZED STEEL RECESSED ICE MAKER BOX, 1/2" CONNECTION.	
EE-A	EMERGENCY EYE/FACE WASH	GUARDIAN #GBF-1736DP	BARRIER FREE, SWING DOWN, EYE/FACE WASH UNIT WITH DRAIN PAN, SURFACE MOUNTED.	②
EE-B	EMERGENCY EYE/FACE WASH MIXING VALVE	LEONARD #TA-300-STSTL-REC-EXP	EXPOSED LOCKING CABINATE, FAIL COLD, 10 PSIG MAX. DROP AT 4 GPM FLOWING.	
EE-C	EMERGENCY SHOWER/EYE WASH STATION	GUARDIAN #GBF-1994	BARRIER FREE, COMBINATION SHOWER AND EYE/FACE WASH UNIT, STAY OPEN VALVE.	①③
EE-D	EMERGENCY SHOWER MIXING VALVE	LEONARD #TM-850	FAIL COLD, 10 PSIG MAX. DROP AT 29 GPM FLOWING.	

NOTES: ① PROVIDE SIGNAGE AND TEST EQUIPMENT, (GUARDIAN #AP250-008G & #AP250-005). ② PROVIDE SIGNAGE (GUARDIAN #AP250-007G). ③ PROVIDE CHROME PLATED BRASS TAILPIECE AND TRAP, (GUARDIAN #AP250-017).

### PRESSURE REDUCING STATION SCHEDULE

TAG	PRV FLOW RANGE (CFH)	PRV PRESS. RED. RANGE (PSIG)	PRV SIZE	PSI INLET	PSI OUTLET	SERVICE	NOTES
PRV-1	2500	2-0.5	2-1/2"	2	0.5	NATURAL GAS	
PRV-2	600	2-0.5	1-1/2"	2	0.5	NATURAL GAS	

NOTES:

### EXPANSION TANK SCHEDULE

TAG	LOCATION	SERVED	ACCEPT GAL.	DIA. (IN.)	HEIGHT (IN.)	WEIGHT FULL (LBS)	TYPICAL UNIT MFG MODEL NO.	NOTES
PET-1	MECH. ROOM	DOM. HW SYSTEM	8.0	12	20	110	AMTROL ST-20V-C	①

NOTES: ① FDA APPROVED INTERIOR LINING AND BLADDER.

### PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	CW	HW	WASTE	VENT	NOTES
FLUSH VALVE WATER CLOSET	1"	-	4"	2"	③
FLUSH VALVE URINAL	3/4"	-	2"	2"	③
LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	④
SINK	1/2"	1/2"	1-1/2"	1-1/2"	④
SERVICE SINK/MOP RECEPTOR	3/4"	3/4"	3"	2"	④⑤
WATER COOLER/DRINKING FOUNTAIN	1/2"	-	1-1/2"	1-1/2"	①
SHOWER	1/2"	1/2"	-	-	②④

NOTES: ① DUAL HEIGHT UNITS REQUIRE (2) WASTE CONNECTIONS.  
 ② WASTE AND VENT SIZES AS PER THE PLANS.  
 ③ PROVIDE SHOCK ABSORBER W/ ISOLATION VALVE, ACCESSIBLE, FOR EACH CHASE WHERE FLUSH VALVES ARE INSTALLED, UNLESS OTHERWISE NOTED ON THE PLANS. INSTALL PER PDI STANDARDS, PDI-WH 201.  
 ④ PROVIDE AIR CHAMBERS ON HW & CW CONNECTIONS.  
 ⑤ PROVIDE CHECK VALVES, ACCESSIBLE.

### PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	FIXTURE	FAUCET/RAIN	TRIM	SUPPORT	NOTES
WC-A	WALL MOUNTED WATER CLOSET - ADA	AMERICAN STANDARD #2257.103 "AFWALL" VITREOUS CHINA, SIPHON JET TYPE, 1-1/2" TOP SPUD, 1.6GPF	SLOAN ROYAL #153-1.6 ES-S CONCEALED HYDRAULIC FLUSH VALVE, 1.6 GPF	CHURCH #9400-SSC SEAT - WHITE	ZURN #Z-1203 AND #Z-1204	⑥⑦
WC-B	FLOOR MTD WATER CLOSET FRONT ACCESS - ADA	WILLOUGHBY #ETWS-1490-FM-BS-TWE(4"C.I.)-HC(18")-FVT-FV-AP-FA-HPS-LF-T4-BOWLPRO, BLOW-OUT, 1-1/2" BACK SPUD, 1.6 GPF	SLOAN ROYAL #9603-1.6-MBPM CONCEALED HYDRAULIC FLUSH VALVE-1.6 GPF	SLOAN #WB-1-A WALL BOX AND WILLOUGHBY #RTH2R	WILLOUGHBY "-WS" WALL SLEEVE	⑦
WC-C	WALL MOUNTED WATER CLOSET	AMERICAN STANDARD #2257.103 "AFWALL" VITREOUS CHINA, SIPHON JET TYPE, 1-1/2" TOP SPUD, 1.6GPF	SLOAN ROYAL #153-1.6 ES-S CONCEALED HYDRAULIC FLUSH VALVE, 1.6 GPF	CHURCH #9400-SSC SEAT - WHITE	ZURN #Z-1203 AND #Z-1204	⑥
UR-A	WALL MOUNTED URINAL - ADA	AMERICAN STANDARD #6520.003 "INNSBROOK" VITREOUS CHINA, 1/2" BACK SPUD, 0.5 GPF	INTEGRAL 120 VAC PROXIMITY FLUSH SYSTEM. 0.5 GPF	-	ZURN #Z-1222	④
UR-B	WALL MOUNTED URINAL	AMERICAN STANDARD #6520.003 "INNSBROOK" VITREOUS CHINA, 1/2" BACK SPUD, 0.5 GPF	INTEGRAL 120 VAC PROXIMITY FLUSH SYSTEM. 0.5 GPF	-	ZURN #Z-1222	④
LAV-A	WALL MOUNTED LAVATORY ADA	AMERICAN STANDARD #0355.012 "LUCERNE" VITREOUS CHINA, 20"x18", FAUCET ON 4" CENTERS	SLOAN #ETF-600-BFAUCET, CHICAGO #327XCP GRID DRAIN AND OFFSET TAIL, CHROME PLATED FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	ZURN #Z-1231	①⑤⑫
LAV-B	COUNTER MOUNTED LAVATORY ADA	LAV INTEGRAL WITH COUNTERTOP, SEE ARCHITECTURAL.	SLOAN #ETF-600-B FAUCET, CHICAGO #327XCP GRID DRAIN AND OFFSET TAIL, CHROME PLATED FINISHES	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	-	①⑤⑫⑬
LAV-C	WALL MOUNTED LAVATORY ADA	WILLOUGHBY #HS-1013-46-HC-BPH-PM2-PT-WS STAINLESS STEEL LAVATORY	INTEGRAL BUBBLER AND DUAL TEMP. PNEUMATIC FAUCET	INTEGRAL	WILLOUGHBY "-WS" WALL SLEEVE	
SH-A	SHOWER - ADA	AQUA BATH #C4136 BF-FUS 3/4"	SYMMONS #1-117-FS-X "SAFETYMIX" PRESSURE BALANCED ADA PACKAGE	SLIDE BAR, DIVERTER VALVE AND HAND SPRAY PROVIDED	-	②③
SH-B	ROLL IN SHOWER - ADA	AQUA BATH #C6536 BF 3/4"	SYMMONS #1-117-FS-X "SAFETYMIX" PRESSURE BALANCED ADA PACKAGE	SLIDE BAR, DIVERTER VALVE AND HAND SPRAY PROVIDED	-	②③
SH-C	FRONT ACCESS CABINET SHOWER - ADA	WILLOUGHBY #US-3636-PM1-SD-2HD-HC-FA	INTEGRAL STAINLESS STEEL, FRONT MOUNTED, RECESSED SHOWER PANEL, FRONT ACCESS, SINGLE TEMP PNEUMATIC VALVE, 2" CAULK DRAIN, ADA PACKAGE	INTEGRAL FIXED SHOWERHEADS, DIVERTER VALVE AND RECESSED SOAP DISH	-	⑧⑪
SK-A	DOUBLE BOWL SINK - ADA	ELKAY #LRAD-3322-6-1/2"-4 18 GAUGE, 304 SS SELF-RIMMING SINK - 4 HOLES	CHICAGO #1102-317 FAUCET, ELKAY #LKAD35 BASKET DRAIN & OFFSET TAIL	MCGUIRE LOOSE KEY ANGLE STOPS, ESCUTCHEONS AND RISERS-CHROME PLATED	INTEGRAL	①
MR-A	MOP RECEPTOR	FIAT #MSB-2424 MOLDED STONE BASIN WITH #E-77-AA BUMPER GUARDS, #MSG-2424 WALL GUARDS	CHICAGO #897-RCF SERVICE SINK FAUCET WITH INTEGRAL SUPPLY CHECK VALVES	FIAT #832-AA HOSE AND BRACKET, #889-CC MOP HANGER, ALL WALL GUARDS	-	
EWC-A	DUAL HEIGHT DRINKING FOUNTAIN - ADA	HALSEY TAYLOR #OVL-II SER-Q BI-LEVEL, BARRIER FREE, FRONT PUSHBAR, 18 GAUGE, 304 SS.	-	-	-	⑩

NOTES: ① INSULATE EXPOSED PIPING - TRUEBRO #102G.  
 ② INCLUDE 1" STAINLESS STEEL CURTAIN ROD, ANTI-BACTERIAL WHITE SHOWER CURTAIN, HOOKS, AND FULL WATER RETENTION STRIP.  
 ③ REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHT AND SHOWER HEAD MOUNTING HEIGHT.  
 ④ PROVIDE AMERICAN STANDARD MULTI-BOARD (A950489-0070A), MULTI-BOARD CASE ASSEMBLY (738807-0070A), 10' CONNECTION CABLE EXTENSION (A922265-0070A) AND 120V AC PLUG-IN POWER SUPPLY (M950169-0070A). ONE POWER SUPPLY WILL SERVE UP TO 15 URINALS.  
 ⑤ PROVIDE SLOAN TRANSFORMER #EL-248-40 (120 VAC/24 VAC 40 VA), BOX MOUNT, ONE TRANSFORMER WILL OPERATE 2 FAUCETS.  
 ⑥ PROVIDE SLOAN TRANSFORMER #EL-154 (120 VAC/24 VAC 50 VA), BOX MOUNT, ONE TRANSFORMER WILL OPERATE 10 FLUSHMETERS.  
 ⑦ PROVIDE SHIPPING COVER ON WATER CLOSET BOWL.  
 ⑧ SHOWER TO OPERATE FOR 3 MINUTES BEFORE SHUTTING OFF.  
 ⑨ PROVIDED BY WILLOUGHBY "-FV".  
 ⑩ CONTRACTOR TO COORDINATE INSTALLATION OF WATER COOLER WITH ARCHITECTURAL CHASE.  
 ⑪ PROVIDE VANDAL PROOF DRAIN.  
 ⑫ PROVIDE SLOAN BELOW DECK THERMOSTATIC MIXING VALVE #BDT.  
 ⑬ COORDINATE FAUCET/RAIN ARRANGEMENT WITH COUNTERTOP MANUFACTURER.

### SHOCK ABSORBER SCHEDULE

TYPE	FIXTURE UNIT RATING	BASIS OF DESIGN	
		MANUF.	FIGURE NO.
'A'	1-10	ZURN	100
'B'	12-32	ZURN	200
'C'	33-60	ZURN	300
'D'	61-113	ZURN	400
'E'	114-154	ZURN	500
'F'	155-330	ZURN	600

### DOMESTIC WATER HEATER SCHEDULE

TAG	INPUT (BTU/hr)	RECOVERY RATE GPH 40'-140'F	STORAGE TANK SIZE (GAL.)	OPERATING WEIGHT (lbs.)	TYPICAL UNIT MFR. & MODEL NO.	NOTES
DWH-1	100,000	120	60	680	AMTROL BOILERMATE WH-60ZCDW	①②
DWH-2	100,000	120	60	680	AMTROL BOILERMATE WH-60ZCDW	①②

NOTES: ① PERFORMANCE BASED ON 30 ΔT. ② MAXIMUM HEAT EXCHANGER PRESSURE DROP - 15FT HEAD.

### PLUMBING PUMP SCHEDULE

TAG	LOCATION	SERVICE	GPM	HD (FT)	ELECTRICAL DATA					TYP. UNIT MANUF. & MODEL NO.	NOTES
					HP	RPM	VOLTS	PH	FLA		
RP-1	MECHANICAL ROOM	DHW RECIRC PUMP	4	12.5	1/25	3250	115	1	0.84	TACO 008	①②③
SP-1	ELEVATOR SHAFT	ELEVATOR SUMP	64	22	0.4	3600	115	1	5	STANCOR OIL-MINDER SE-40	⑥
BP-1	MECHANICAL ROOM	DOMESTIC COLD WATER	130	88	5	3500	480	3	16.2	SYNCRIFLO #55DC53V PACKAGED SKID	④⑤
BP-2	MECHANICAL ROOM	DOMESTIC COLD WATER	130	88	5	3500					

NOTES: ① PROVIDE SPARE PUMP COMPLETE. FURNISH TO OWNER.  
 ② RP TO RUN CONSTANTLY.  
 ③ PROVIDE PUMP WITH BRONZE CASING/IMPELLER.  
 ④ PACKAGE TO INCLUDE SYNCRIFLO #170 BLADDER TANK.  
 ⑤ TOTAL SYSTEM PRESSURE IS 63 PSIG. DESIGN BASED ON MINIMUM MUNICIPAL PRESSURE OF 30 PSIG.  
 ⑥ OIL RETAINING PUMP SYSTEM.



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MAINE TURNPIKE AUTHORITY  
 ADMINISTRATION BUILDING  
 PORTLAND, MAINE  
 PROJECT TITLE:  
 CURRENT ISSUE STATUS:  
 ISSUED FOR BIDDING/CONSTRUCTION  
 7-9-07

GRAPHIC SCALE:  
 0" 1"  
 SCALE: NOT TO SCALE  
 PROJECT MANAGER: SLB  
 JC/DRAWN BY: TCM/BGG  
 A/E OF RECORD: RWM  
 CAD FILE: PL601-06016  
 PROJECT NO: 06016  
 DATE: 7-9-07  
 SHEET TITLE:  
 SCHEDULES  
 SHEET No. PL601