

## GENERAL NOTES

- All work shall be in accordance with the Uniform Plumbing Code, local codes and ordinances, National Fire Code (NFPA), or these plans or specifications, whichever is more strict.
- All drawings are schematic only and are intended to indicate the intent, extent, and general arrangement of work. They are not meant to show every fitting, change of direction or every situation. Verify locations in the field. Work indicated shall be finished complete to perform the function intended.
- Carefully coordinate the space requirements and location of piping with the other trade contractors. Reserve space for sprinkler mains. If coordination fails, conflicts will be decided in favor of the other contractors with this contractor relocating his piping and equipment at no expense to the Owner.
- All plumbing fixtures shall be back vented.
- This contractor shall make all final plumbing connections to equipment/ fixtures provided by other contractors.
- For pipe sizes not shown on plans, refer to adjacent or enlarged plumbing plans, then appropriate schedules, details, specifications, equipment, connection sizes and minimum Code requirements. For otherwise indeterminate pipe segments, the size shall be the same as the largest adjacent segment. Where pipe sizes are erroneously shown to decrease then increase, the smaller segment shall be increased to match the larger segment. When a conflict exists, the larger size shall govern. Pipe sizes are nominal (not O.D.) unless specifically noted otherwise.
- All piping shall run concealed above ceilings in walls, in soffits and in chases unless noted otherwise. Special care shall be taken when dropping 3" nominal pipe in 3 1/2" wall cavities to ensure correct fit and alignment.
- No structural members shall be cut without approval of the Architect.
- All plumbing shall be supported from the building structure. All piping drops to fixtures shall be anchored solid to walls with a steel support bracket with adjustable clip.
- No structural members shall be cut without approval of the Architect.
- All water piping shall be installed parallel to building lines and pitched to low points. Provide drains at low points. Piping shall be run neatly grouped together when practical.
- All piping through roofs, concrete walls and masonry partitions shall have steel pipe sleeves. Openings between pipes and sleeves shall be caulked and sealed smoke and water tight. All pipe penetrations through a fire rated wall or floor shall have a UL rated fire stop system rated to match the rating of the wall, as per the NFPA.
- All wall fixtures shall be carrier mounted unless otherwise specified.
- All domestic water piping shall be insulated unless otherwise specified.
- Run all piping on warm side of building insulation. No water, or waste lines shall be run in exterior walls, unless directly indicated.
- Provide shock absorbers where shown on drawings, and on tops of risers to all shower valves, dishwashers and clotheswashers. Sizes shall conform to P.D.I. standards.
- All sanitary waste piping less than 4" shall pitch down at 1/4" per L.F., 1/4" and larger piping shall pitch at 1/8" per L.F., whenever possible.
- All Domestic copper water piping shall be type "K" or "L" copper, type "M" is prohibited.

## DRAIN SPEC. SCHEDULE

TAG	ITEM	WASTE	VENT	REMARKS
FD-1	GENERAL ROUND FLOOR DRAIN	3"	1 1/2"	

## WATER SPEC. SCHEDULE

TAG	ITEM	CM	HW	OUTLET	REMARKS
ET-1	EXPANSION TANK	3/4"	-	-	
NV-1	MASTER MIXING VALVE	1/4"	1/4"	1/2"	120°
SA-1	SHOCK ABSORBER	1/2"	-	-	P.D.I. A
TP-1	TRAP SEAL PRIMER	1/2"	-	SAVE	

## ABBREVIATIONS, LINE TYPES & SYMBOLS

140	140 DEG F HOT WATER	LV	LAVATORY	--- --	SANITARY/WASTE PIPING BELOW SLAB
A	AMPS	M	METER	---	SANITARY / WASTE PIPING ABOVE SLAB
ADA	AMERICANS WITH DISABILITIES ACT	MB	MOP BASIN	---	INDIRECT WASTE PIPING ABOVE SLAB
AF	ABOVE FINISHED FLOOR	MTD	MOUNTED MIXING VALVE	---	VENT PIPING ABOVE SLAB
AFB	ABOVE FINISHED GRADE	NB	NICKEL BRONZE	---	VENT PIPING BELOW SLAB
BFP	BACKFLOW PREVENTER	OP	OUTSIDE DIAPHRAGM	---	COLD WATER PIPING
BLV	BALL VALVE	PC	PLUMBING CONTRACTOR	---	COLD WATER PIPING
CNTR	COUNTER	PDI	PLUMBING & DRAINAGE INSTITUTE	---	TRAP PRIMER PIPING
CO	CLEANOUT	P6	PRESSURE GAUGE	---	120 HOT WATER PIPING
CONT	CONTINUATION	PH	PHASE	---	HOT WATER RETURN PIPING
COORD	COORDINATION	PRV	PRESSURE REDUCING VALVE	---	140 HOT WATER PIPING
CM	COLD WATER CLOTHES WASHER	PSI	POUNDS PER SQUARE INCH	---	GAS PIPING
C4HW	COLD & HOT WATER	RAM	RISE AT WALL	---	6AS PIPING
DAM	DROP AT WALL	RH	RIGHT HAND	---	BALL VALVE
DCP	DOMESTIC RECIRCULATING PUMP	RIC	RISE IN CHASE	---	VERTICAL BALL VALVE
DEG	DEGREES	RIM	RISE IN WALL	---	BALL VALVE
DN	DOWN	RIC	RAIN UNDER COUNTER	---	BALANCING VALVE
DN4U	DOWN AND UP	RUF	RAIN UNDER FLOOR	---	CHECK VALVE
DN	DOWN	RV	RELIEF VALVE	---	CHECK VALVE
DN4M	DOWN AT WALL	S	SANITARY WASTE	---	BACKFLOW PREVENTER
DN4M	DOWN IN CHASE	SA	SHOCK ABSORBER	---	VACUUM RELIEF VALVE
DN4M	DOWN IN WALL	SH	SHOWER	---	RELIEF VALVE
DO	DRAWOFF	SK	SINK	---	PRESSURE REDUCING VALVE
DM	DISHWASHER	SS	STAINLESS STEEL	---	PRESSURE REDUCING VALVE
EQ	EQUAL	T	THERMOMETER	---	THERMOMETER
ET	EXPANSION TANK	TP	TRAP PRIMER	---	PRESSURE GAUGE
FCO	FLOOR CLEANOUT	T5	TUBSHOWER	---	TRAP PRIMER
FD	FLOOR DRAIN	TPP	TYPICAL	---	DRIP/RISE IN LINE
FF	FINISHED FLOOR ELEVATION	UIC	UP IN CHASE	---	LINE UP TO FLOOR ABOVE
FF	FINISHED FLOOR ELEVATION	UP	UP IN WALL	---	TEE DROP
GAL	GALLONS	VB	VACUUM BREAKER	---	SHOCK ABSORBER
GC	GENERAL CONTRACTOR	VC	VITREOUS CHINA	---	UNION
GHT	GARDEN HOSE THREAD	VIF	VERIFY IN FIELD	---	MIXING VALVE
GF	GALLONS PER FLUSH	VEV	VACUUM RELIEF VALVE	---	FLOOR CLEANOUT
GV	GATE VALVE	VTR	VENT THRU ROOF	---	FLOOR DRAIN
HB	HOSE BIB	W	WASTE	---	WALL CLEANOUT
HM	HOT WATER	WC	WATER CLOSET	---	VENT THROUGH ROOF
HWR	HOT WATER RETURN	WCO	WALL CLEANOUT	---	VENT THROUGH ROOF
IE	INVERT ELEVATION	WSI	WARY SIDE OF INSULATION	---	PLUMBING FIXTURE/ EQUIPMENT NUMBER TAG
IDM	INDIRECT WASTE	XXX		---	

## PLUMBING FIXTURE SCHEDULE

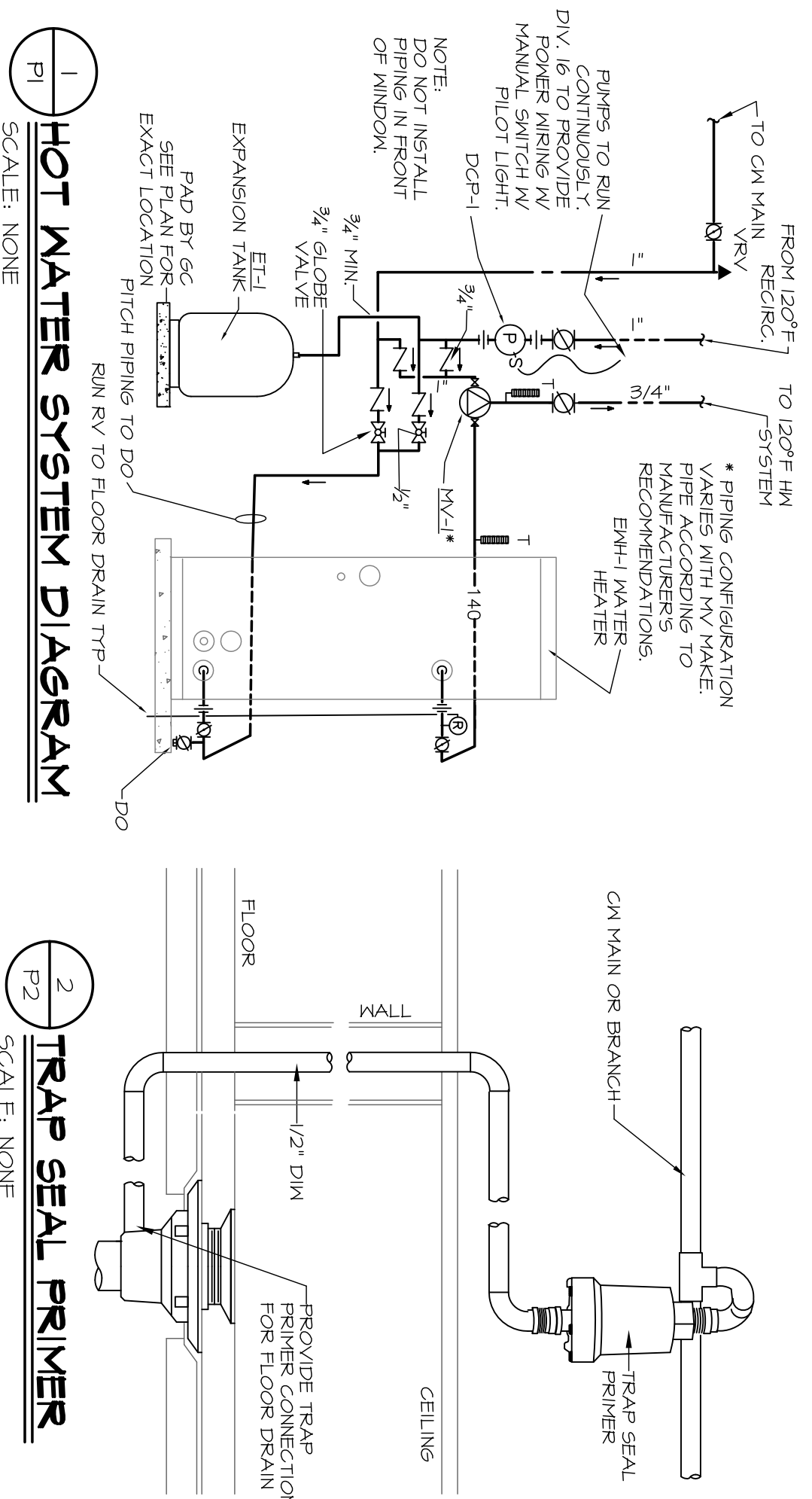
TAG	FIXTURE	COLD WATER	120° WATER	NATURAL GAS	SAV	VENT	REMARKS	NOTING REQUIREMENTS
DM-1	DISHWASHER UNDER COUNTER	1/2"	1/2"		TO SK		UNIT BY GC	PER MANUF
LV-1	LAVATORY, WALL MTD - ADA CHILD	1/2"	1/2"		1 1/2"	1 1/2"	CARRIER, VC, TWO HANDLE	RIM 30"
LV-2	LAVATORY, WALL MTD - ADA ADULT	1/2"	1/2"		1 1/2"	1 1/2"	CARRIER, VC, TWO HANDLE	RIM 34"
MB-1	MOP BASIN	1/2"	1/2"		3"	1 1/2"	FLOOR MTD, MOLDED STONE	FLOOR
SH-1	SHOWER, ROLL-IN, RIGHT HAND - ADA	1/2"	1/2"		2"	1 1/2"	24"x24"x10" VB FACET	CONTROLS
SH-2	SHOWER, ROLL-IN, LEFT HAND - ADA	1/2"	1/2"		2"	1 1/2"	GELCOAT FIBERGLASS, OPEN TOP, GRAB BARS, 62"x34"	CONTROLS
SK-1	SINK, KITCHEN SINGLE BOWL, COUNTER MOUNTED - ADA	1/2"	1/2"		1 1/2"	1 1/2"	5.5, 22"x25"x6-1/2", DISPOSER	SAVE AS COUNTER
SK-2	SINK, SINGLE BOWL, COUNTER MOUNTED - ADA	1/2"	1/2"		1 1/2"	1 1/2"	5.5, 22"x25"x6-1/2"	SAVE AS COUNTER
TS-1	TUBSHOWER - RIGHT HAND	1/2"	1/2"		2"	1 1/2"	GELCOAT FIBERGLASS, OPEN TOP, GRAB BARS, 60"x32"	CONTROLS
TS-2	TUBSHOWER - LEFT HAND	1/2"	1/2"		2"	1 1/2"	GELCOAT FIBERGLASS, OPEN TOP, GRAB BARS, 60"x32"	CONTROLS
WB-1	WATER BOX REFRIGERATOR ICEMAKER	1/2"					RECESSED VALVE IN BOX	PER MANUF REQUIREMENTS
WC-1	WATER CLOSET, FLOOR MTD - ADA CHILD	1/2"	1/2"		4"	2"	ROUND FRONT BOWL, VC, PRESSURE ASSISTED	RIM 14"
WC-2	WATER CLOSET, FLOOR MTD RIGHT HAND - ADA CHILD	1/2"	1/2"		4"	2"	ROUND FRONT BOWL, VC, PRESSURE ASSISTED	RIM 14"
WC-3	WATER CLOSET, FLOOR MTD - ADA ADULT	1/2"	1/2"		4"	2"	ELONGATED BOWL, VC, PRESSURE ASSISTED	RIM 16-1/2"
WC-4	WATER CLOSET, FLOOR MTD RIGHT HAND - ADA ADULT	1/2"	1/2"		4"	2"	ELONGATED BOWL, VC, PRESSURE ASSISTED	RIM 16-1/2"
WD-1	CLOTHES WASHER AND DRYER, STACKED	1/2"	1/2"	3/4"	2"	1 1/2"	RECESSED	PER MANUF REQUIREMENTS

## PUMP SCHEDULE

TAG	ITEM	GRM	HEAD FT	HP	RPM	VOLTS	PH	REMARKS
DCP-1	DOMESTIC RECIRC PUMP	6	4	1/40	3250	115	1	3/4" BRONZE ELEC. BY DIV. 16

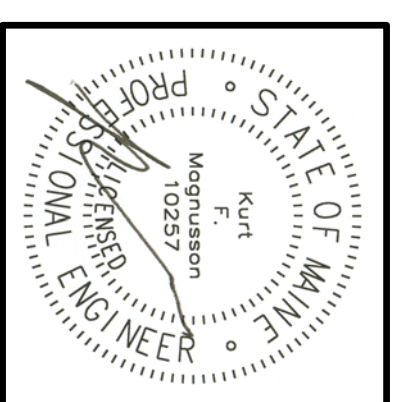
## WATER HEATER SCHEDULE

TAG	ITEM	INPUT WATTS	VOLTS	PHASE	REMARKS
EMH-1	ELECTRIC WATER HEATER 120 GAL	4500	240	1	SET FOR 140° F



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Title  
PLUMBING  
SCHEDULES  
& DETAILS

Scale: 1/4" = 1'-0"  
Date: 3/21/09

Revisions

Sheet

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