GENERAL NOTES

- I. 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.
- 2. 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 furnished complete to perform the function intended.
- 3. 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.
- 4. All plumbing fixtures shall be back vented.
- 5. This contractor shall make all final plumbing connections to equipment/fixtures provided by other contractors.
- 6. For pipe sizes not shown on floor plans, refer to: adjacent or enlarged plumbing plans, then appropriate schedules, details, specifications, equipment connection sizes and minimum Code requirements. For otherwise indeterminable 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.
- chases unless noted otherwise. Special care shall be taken when dropping 3" nominal pipe in 3-½" wall cavities to ensure correct fit and

7. All piping shall run concealed above ceilings, in walls, in soffits and in

- 8. No structural members shall be cut without approval of the Architect.
- 9. All plumbing shall be supported from the building structure. All piping 2" and larger shall be supported from the top chord of bar joists unless permission to do otherwise is obtained from the Structural Consultant. All piping drops to fixtures shall be anchored solid to walls with a steel support bracket with adjustable clip.
- 10. All water piping shall be installed parallel to building lines and pitched to low points. Provide draw-offs at low points. Piping shall be run neatly grouped together when practical.
- II. 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.
- 12. All wall fixtures shall be carrier mounted unless otherwise specified. 13. All domestic water piping shall be insulated unless otherwise
- specified.
- 14. Run all piping on warm side of building insulation. No water, or waste lines shall be run in exterior walls, unless directly indicated.
- 15. 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.
- 16. All sanitary waste piping less than 4" shall pitch down at $\frac{1}{4}$ " per L.F. All 4" and larger piping shall pitch at $\frac{1}{4}$ " per L.F. whenever possible. No sanitary/waste piping under slab shall be less than 2" in diameter.
- 17. All Domestic copper water piping shall be type "K" or "L" copper, type "M" is prohibited.

ABBREVIATIONS, LINE TYPES & SYMBOLS

140 I40 DEG F HOT

SANITARY/ WASTE PIPING

	140 DEG F HOT WATER	LF	LINEAR FEET		BELOW SLAB
@	АТ	LV	LAVATORY		SANITARY / WASTE PIPING ABOVE SLAB
A	AMPS	M	METER	PW	PUMPED WASTE
ADA	AMERICANS WITH	MB	MOP BASIN		ABOVE SLAB
AFF	DISABILITIES ACT	MTD	MOUNTED		VENT PIPING ABOVE SLAB
AFF	ABOVE FINISHED FLOOR	MV NB	MIXING VALVE NICKEL BRONZE		- VENT PIPING BELOW SLAB
BF <i>G</i>	BELOW FINISHED GRADE	OD	OUTSIDE DIAMETER		STORMWATER PIPING
BFP	BACKFLOW	PC	PLUMBING		ABOVE SLAB
	PREVENTER		CONTRACTOR		STORMWATER PIPING BELOW SLAB
	BALL VALVE COUNTER	PDI	PLUMBING & DRAINAGE INSTITUTE		— COLD WATER PIPING
CO	CLEANOUT	PG	PRESSURE GAUGE		COLD WATER PIPING BELOW SLAB
CONT	CONTINUATION	PH	PHASE	TP	TRAP PRIMER PIPING
COORD	COORDINATION	PRV	PRESSURE REDUCING		
CM	COLD WATER, CLOTHES WASHER	PSI	VALVE POUNDS PER SQUARE		I20 HOT WATER PIPINGHOT WATER RETURN
	COLD & HOT		INCH		PIPING
	WATER	RAD	RADON	140	140 HOT WATER PIPING
	DOMESTIC	RAM	RISE AT WALL	G1	2 PSI GAS PIPING
	DOMESTIC CIRCULATING PUMP	RH RIC	RIGHT HAND RISE IN CHASE	G2	— 6" W.C. GAS PIPING
DEG	DEGREES	RIW RIW	RISE IN WALL		
DF	DRINKING FOUNTAIN	RUC	RUN UNDER COUNTER	——————————————————————————————————————	BALL VALVE
DIV	DIVISION	RUF	RUN UNDER FLOOR	—— —	VERTICAL BALL VALVE
DIM	DROP IN WALL	RV	RELIEF VALVE	——————————————————————————————————————	BALANCING VALVE
DN	DOWN	5	SANITARY WASTE	—	CHECK VALVE
DN&U	DOWN AND UP	SA	SHOCK ABSORBER	→	CHECK YALVE
NAM	DOWN AT WALL	SH	SHOWER		BACKFLOW PREVENTER
DNIC	DOWN IN CHASE	SK	SINK		VACUUM RELIEF VALVE
DNIM	DOWN IN WALL	SP	SUMP PUMP	∞ ≻	RELIEF VALVE
D0	DRAWOFF	55	STAINLESS STEEL	——————————————————————————————————————	
DW	DISHWASHER	Т	THERMOMETER		PRESSURE REDUCING VALVE
EQ	EQUAL	TP	TRAP PRIMER	₽ ⊘	THERMOMETER
ET	EXPANSION TANK	TS	TUB/SHOWER		PRESSURE GAUGE
FCO	FLOOR CLEANOUT	TYP	TYPICAL	<u>\</u>	TRAP PRIMER
FD	FLOOR DRAIN	UIC	UP IN CHASE	————	DROP/RISE IN LINE
FFE	FINISHED FLOOR ELEVATION	U& DNIC	UP & DOWN IN CHASE		
5	GAS (NATURAL)	U& DNIM	UP & DOWN IN WALL	 0	LINE UP TO FLOOR ABOVE
SAL	GALLONS	NIM	UP IN WALL		TEE -DROP
	GENERAL	V	VENT	₽	SHOCK ABSORBER
	CONTRACTOR	∨B	VACUUM BREAKER		UNION
SH T	GARDEN HOSE THREAD	VC	VITREOUS CHINA	<u></u>	
SPF	GALLONS PER FLUSH	VIF	VERIFY IN FIELD		MIXING VALVE
SPM	GALLONS PER MINUTE	VRV	VACUUM RELIEF VALVE	O	FLOOR CLEANOUT FLOOR DRAIN
5 V	GATE VALVE	VTR	VENT THRU ROOF		
-1B	HOSE BIB	M	WASTE	A	WALL CLEANOUT
1D 1C	HEATING	W	MITH	©	VENT THROUGH ROOF
	CONTRACTOR	MC	WATER CLOSET, WATER COLUMN	+-	HOSE BIB
HM	HOT WATER	WC0	WALL CLEANOUT	\overline{M}	WATER METER
HWR	HOT WATER RETURN	WSI	WARM SIDE OF		
		·- ·	INSULATION	××-I	PLUMBING FIXTURE/

	PLUMBING FIXTURE SCHEDULE										
TAG	FIXTURE	COLD WATER	120° WATER	SAN/ WASTE	VENT	GAS	REMARKS	MOUNTING HEIGHT			
DM-I	DISHWASHER UNDER COUNTER		1/2"	1-1/4"× 1-1/2"	1-1/2"		UNIT BY GC	PER MANUF'R			
LV-I	LAVATORY, COUNTERTOP ADA	1/2"	1/2"	1-1/4"x 1-1/2"	1-1/2"		OVAL VC, SINGLE HANDLE FAUCET	COUNTER 34"			
LV-2	LAVATORY, COUNTERTOP ADA	1/2"	1/2"	1-1/4"× 1-1/2"	1-1/2"		OVAL VC, SINGLE HANDLE FAUCET	COUNTER 34"			
MB-I	MOP BASIN	1/2"	1/2"	3"	1-1/2"		FLOOR MTD, MOLDED STONE 24"x24x10", VB FAUCET	FLOOR			
SH-I	SHOWER, RIGHT HAND - ADA	1/2"	1/2"	2"	1-1/2"		GELCOAT FIBERGLASS, GRAB BARS, SEAT, 40"x39"x82" OD,	CONTROLS ADA			
SH-2	SHOWER, LEFT HAND - ADA	1/2"	1/2"	2"	1-1/2"		GELCOAT FIBERGLASS, GRAB BARS, SEAT, 40"x39"x82" OD,	CONTROLS ADA			
SK-I	SINK, SINGLE BOWL - ADA	1/2"	1/2"	1-1/2"	1-1/2"		S.S. 22"x25"x6-1/2" KITCHEN FAUCET W/ SPRAY	COUNTER 34"			
5K-2	SINK, DOUBLE BOWL ADA	1/2"	1/2"	1-1/2"	1-1/2"		S.S. 22"x33"x6-1/2" KITCHEN FAUCET W/ SPRAY	COUNTER 34"			
UR-I	URINAL, WALL MTD - ADA	Ι"		2"	1-1/2"		WATER SAVER FV, VC, CARRIER	RIM 17" AFF			
MB-I	WATER SUPPLY BOX FOR COFFEE MAKER	1/2"					RECESSED PLASTIC BOX WITH SHUTOFF VALVE	JUST ABOVE COUNTER			
MB-2	WATER SUPPLY BOX FOR REFRIGERATOR ICE MAKER	1/2"					RECESSED PLASTIC BOX WITH SHUTOFF VALVE	PER MANUF'R			
MC-I	WATER CLOSET FV, WALL MTD - STANDARD	Ι"		3"	2"		I.6 GPF, VC, DUAL FLUSH FV CARRIER	RIM 15" AFF			
MC-2	MATER CLOSET FV, WALL MTD - ADA	1"		3"	2"		I.6 GPF, VC, DUAL FLUSH FV CARRIER	RIM I7" AFF			
MC-3	MATER CLOSET FV, WALL MTD, RIGHT HAND - ADA	Ι"		3"	2"		I.6 GPF, VC, DUAL FLUSH FV CARRIER	RIM 17" AFF			
MC-4	WATER CLOSET FV, FLOOR MTD - ADA	Ι"		3"	2"		I.6 GPF, VC, DUAL FLUSH FV	RIM 16-1/2" AFF			
MC-4	WATER CLOSET FV, FLOOR MTD, RIGHT HAND - ADA	"		3"	2"		I.6 GPF, VC, DUAL FLUSH FV	RIM 16-1/2" AFF			

	PUMP SCHEDULE									
TAG	ITEM	SERVICE	GPM	HEAD FT	HP	RPM	VOLTS	PH	REMARKS	
DCP-I	DOMESTIC RECIRC PUMP	120° HM RECIRC LOOP	3	10	1/40	-	II5	l	3/4" BRONZE ELEC. BY DIV. 16	
EP-I	EJECTOR PUMP	BOILER ROOM	14	15	1/2	155 <i>0</i>	II5	I	2" DISCHARGE, ELEC. BY EC	
SP-I	SUMP PUMP	ELEVATOR SHAFT	50	18	1/2	1550	II5	I	I-½" DISCHARGE, OIL MINDER ELEC. BY EC	

V	VATER SPEC.	SC	ΗE	DUI	_E
TAG	ITEM	CW	HW	OUTLET	REMARKS
BFP-I	MATER ENTRANCE BACKFLOW PREVENTER	2"	1	SAME	
BFP-2	BOILER MAKE-UP WATER BACKFLOW PREVENTER	3/4"	1	SAME	
ET-I	EXPANSION TANK POTABLE WATER	3/4"	1	-	
HB-I	NON-FREEZE HOSE BIB W/ VB	3/4"	ı	3/4" GHT	
MV-I	MASTER MIXING VALVE	1"	"	1"	120°
PRV-I	PRESSURE REDUCING VALVE	2"	ı	SAME	
SA-I	SHOCK ABSORBER	3/	′ 4"	-	P.D.I. A
SA-2	SHOCK ABSORBER	I	11	-	P.D.I. B
TP-I	TRAP SEAL PRIMER	1/2"	-	SAME	

	DRAIN SPEC	. :	SCI	HEDULE
TAG	ITEM	WASTE	VENT	REMARKS
FD-I	GENERAL ROUND FLOOR DRAIN	3"	1-1/2"	
FD-2	INDIRECT WASTE FLOOR DRAIN	5 "	1-1/2"	
FD-3	MECHANICAL ROOM FLOOR DRAIN	3"	1-1/2"	
MCO-I	MALL CLEANOUT	SIZE OF PIPE*		*NOT TO EXCEED 4" DIAM.

	WATER HEATER SCHEDULE							
TAG	ITEM	GAL	WATTS	VOLTS	PH	REMARKS		
MH-I	HEAT PUMP ELECTRIC WATER HEATER	50	4500	240	I	ELEC. BY EC SET AT 130 DEG		
MH-2	POINT OF USE ELECTRIC WATER HEATER	6	1500	120	I	ELEC. OUTLET BY EC SET AT 130 DEG		



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DESCRIPTION

Renovations To:

CUMBERLAND COLD STORAGE BUILDING Merrill's Wharf, Portland, Maine PLUMBING NOTES & SCHEDULES

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