ABBREVIATIONS, LINE TYPES & SYMBOLS SANITARY/ WASTE PIPING LAVATORY UNDER SLAB AMPS LINEAR FEET SANITARY / WASTE PIPING ABOVE SLAB AMERICANS WITH MOP BASIN DISABILITIES ACT INDIRECT WASTE PIPING MOUNTED ABOVE SLAB ABOVE FINISHED FLOOR. MIXING VALVE ---- VENT PIPING ABOVE FLOOR ALTERNATE NICKEL BRONZE ----- VENT PIPING BELOW SLAB BELOW FINISHED OD OUTSIDE DIAMETER GRADE COLD WATER PIPING OFFSET FOR BACKFLOW CLARITY PREVENTER COLD WATER PIPING BELOW PLUMBING CONTRACTOR BALL VALVE TRAP PRIMER WATER PIPING BACKWATER VALVE PDI PLUMBING # DRAINAGE CAP FOR FUTURE INSTITUTE HOT WATER PIPING CHECK VALVE PRESSURE GAUGE HOT WATER PIPING BELOW CAST-IRON PHASE HOT WATER RETURN PIPING CNTR COUNTER POUNDS PER SQUARE NATURAL GAS PIPING CLEANOUT RAD RADON CONTINUATION RAW RISE AT WALL COPPER RIGHT HAND VERTICAL BALL VALVE COLD WATER RISE IN WALL BALANCING VALVE C#HW COLD # HOT REVOLUTIONS PER GLOBE VALVE DAW DROP AT WALL RUN UNDER COUNTER CHECK VALVE DOMESTIC CIRCULATING RELIEF VALVE PUMP AQUASTAT SANITARY WASTE DEGREES BACKFLOW PREVENTER SHOCK ABSORBER DIVISION RELIEF VALVE SHOWER DROP IN WALL PRESSURE REDUCING VALVE SUMP PUMP DIAL THERMOMETER DNAW DOWN AT WALL SPK SPRINKLER DOWN IN CHASE PRESSURE GAUGE SPRINKLER DOWN IN WALL CONTRACTOR TRAP PRIMER DRAMOFF STAINLESS STEEL DROP/RISE IN LINE DISHWASHER STACK (SANITARY) LINE UP TO FLOOR ABOVE EACH STACK VENT TEE -DROP EXPANSION TANK TRAP PRIMER SHOCK ABSORBER FLOOR CLEANOUT TUB/SHOWER UNION FLOOR DRAIN FINISHED FLOOR U&DNIC UP & DOWN IN CHASE MIXING VALVE ELEVATION UP IN CHASE FLOOR CLEANOUT FEET/FOOT FLOOR DRAIN GAS (NATURAL) OPPOSITE OF DOWN GALLONS MALL CLEANOUT GENERAL VACUUM BREAKER CONTRACTOR VENT THROUGH ROOF GARDEN HOSE VITREOUS CHINA HOSE BIB THREAD VERIFY IN FIELD GALLONS PER PUMP VACUUM RELIEF FLUSH VALVE XX-I GALLONS PER PLUMBING FIXTURE/EQUIPMENT MINUTE VENT STACK NUMBER TAG GATE VALVE VENT THRU ROOF HOSE BIB HEATING CONTRACTOR (15600) WATER CLOSET HOT WATER WALL CLEANOUT

GENERAL NOTES

- l. See Architectural plans and interior elevations for exact location of plumbing fixtures. Adjust rough-ins accordingly.
- 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. Mork 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. Priority given to ductwork and gravity drainage piping. Do not run piping through duct chases. 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. For pipe sizes not shown on the floor plans, refer to fixture schedules and details as well as adjacent floors plans. As a minimum use equipment connection sizes and Plumbing Code requirements. For otherwise indeterminable pipe segments, the size shall be the same as the largest known 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.
- 5. All plumbing fixtures shall be back vented.
- 6. This contractor shall make all final plumbing connections to equipment/fixtures provided by other contractors.
- 7. All piping shall run concealed above cellings, in walls, in soffits and in chases unless noted otherwise. Special care shall be taken when dropping 3" nominal waste pipe in 3-1/2" wall cavities to ensure correct fit and alignment.
- 8. No structural members shall be cored or cut without approval of the Structural Consultant.
- 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. Also group with heating piping when practical.
- All piping through roofs, masonry walls and 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 U.L. Approved fire stopping system rated to match the rating of the wall, as per the NFPÁ.
- 12. All wall mounted fixtures shall be carrier mounted unless otherwise specified.
- 13. All domestic water and storm 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
- 15. Provide shock absorbers (water hammer arresters) where shown on drawings and at the top of the riser on individual runouts feeding clothes waters, dish washers and shower valves. Also provide them on feeders to any quick closing equipment provided by others. Sizes shall be type "I" unless indicated otherwise and conform to P.D.I. standards.
- 16. All sanitary waste piping 3" and less 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. The piping main from where it enters the building to the furthest point in the system may pitch down at 🕫 per L.F. unless Indicated otherwise. No sanitary/ waste piping under slab shall be less than 2" in diameter.
- 17. All horizontal storm water piping shall pitch down at ¼" per L.F. unless indicated otherwise.
- 18. All copper Domestic water piping shall be type "K" or "L", type "M" is prohibited. Substitution with PEX is not acceptable.
- 19. All work shall be in accordance with the Uniform Plumbing Code, state and local laws, codes and ordinances, National Fire Code (NFPA), or these plans or specifications, whichever is more strict.

PLUMBING			FIX	(TUF	RE	SCHEDULE		
TAG	FIXTURE	COLD WATER	HOT WATER	SAN/ WASTE	VENT	REMARKS	MOUNTING HEIGHT	
DW-I	DISHWASHER UNDER COUNTER	_	1/2"	2"	1-1/2"	APPLIANCE BY GC		
H5-I	HOSE STATION FOR WHIRLPOOLS	3/4"	3/4"	-	-	MANUAL MIXER, DIAL THERMOMETER, HOSE RACK	VALVES AT 48"	
IM-I	ICE MACHINE OUTLET BOX	1/2"	-	-	-	PROVIDE FLEX CONNECTOR FROM BOX TO APPLIANCE	VARIES AS REQUIRED	
LT-I	LAUNDRY TUB	1/2"	1/2"	2"	1-1/2"	MOLDED STONE, FAUCET STEEL CABINET		
LV-I	LAVATORY, COUNTER MTD	³%" X 1/2"	³⁄₅" × 1/2"	1-1/4"× 1-1/2"	1-1/2"	VC, SINGLE HANDLE FAUCET	COUNTER	
LV-2	LAVATORY, COUNTER MTD - ADA	3/8" X 1/2"	3/6" X 1/2"	1-1/4"× 1-1/2"	1-1/2"	VC, SINGLE HANDLE FAUCET	COUNTER AT 34" VIF	
MB-I	MOP BASIN	1/2"	1/2"	3"	1-1/2"	5.5. 6" x 20" 5.5. WALL FAUCET W VB		
SH-I	SHOWER CONTROLS	1/2"	1/2"	-	_	PRESSURE BALANCED VALVE FIXED HEAD AT 84"	VALVE AT 48"	
5H-2	SHOWER CONTROLS - ADA	1/2"	1/2"		-	PRESSURE BALANCED VALVE FIXED & HAND HELD HEADS	VALVE AT 42"	
5K-I	SINK, SINGLE BOWL, COUNTER MOUNTED - ADA	1/2"	!/2"	1-½" × 2"	1-1/2"	5.5., 22"x25"x6-1/2", GOOSENECK FAUCET	RIM 34"	
UR-I	URINAL WALL MTD FV.	1"	-	2"	1-1/2"	VC, 1.0 GPF	RIM 24"	
UR-2	URINAL WALL MTD FV ADA	l		2"	1-1/2"	VC, I.O GPF	RIM 17"	
MC-I	WATER CLOSET, FLOOR MTD FV.	"	~	4"	2"	VC, RIM 15". 1.6 GPF	FLOOR	
MC-2	WATER CLOSET, FLOOR MTD FV ADA	"	-	4"	2"	VC, RIM 16-1/2", 1.6 GPF	FLOOR	
MM-I	WASHING MACHINE SUPPLY & DRAIN UNIT	1/2"	1/2"	2"	1-1/2"	APPLIANCE BY GC		
MP-I	MHIRLPOOL, THERAPY	-	-	IDW TO FD		TUB BY OWNER		

W	WATER SPEC. SCHEDULE						
TAG	ITEM	CW	HW	OUTLET	REMARKS		
BFP-I	WATER ENTRANCE BACKFLOW PREVENTER	2"	1	SAME			
BFP-I	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	1-1/2"	- 1	SAME			
ET-I	EXPANSION TANK POTABLE WATER	3/4"		-			
HB-I	NON-FREEZE HOSE BIB W/ VB	3/4"	ı	3/4" GHT			
M√-I	MASTER MIXING VALVE	1-1/4	1-1/4	1-1/2"	120°		
PRV-I	PRESSURE REDUCING VALVE	2"		SAME			
5A-I	SHOCK ABSORBER	1/2" 01	1/2" <i>O</i> R 3/4"		P.D.1. A		
TP-I	TRAP SEAL PRIMER	VARIES		1/2"			

DRAIN SPEC. SCHEDULE							
TAG	ITEM	WASTE	VENT	REMARKS			
FCO-I	GENERAL ROUND FLOOR CLEANOUT	SIZE OF PIPE	_				
FCO-2	GENERAL ROUND FLOOR CLEANOUT FOR CARPET	SIZE OF PIPE	_				
FD-I	GENERAL ROUND FLOOR DRAIN	3"	1-1/2"				
FD-2	INDIRECT WASTE FUNNEL FLOOR DRAIN	3"	1-1/2"				
FD-3	BOILER ROOM CENTRAL FLOOR DRAIN	3"	1-1/2"				
FD-4	SHOWER GUTTER FLOOR DRAIN	2"	1-1/2"				

PUMP SCHEDULE								
TAG	ITEM	GPM	HEAD FT	HP	RPM	VOLTS	PH	REMARKS
DCP-I	DOMESTIC RECIRC PUMP	5	13	1/25	3250	115	ı	3/4" BRONZE ELEC. BY DIV. 16



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NOTES/ REVISIONS

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PORTLAND SEA DOGS CLUB HOUSE

HADLOCK FIELD PORTLAND, ME

ISSUED FOR CONSTRUCTION 8/6/07

PLUMBING **SCHEDULES** & NOTES

M.S.E. PROJECT 0711

HOT WATER RETURN

INVERT ELEVATION

FUEL | INPUT |

NATURAL 1000 1054 GPH AT

MBTUH

INDIRECT WASTE

ITEM

HEATER

STORAGE

MH-I

MT-I

WATER HEATER

WARM SIDE OF INSULATION

CAPACITY

100 DEG RISE

119 GAL.

WASHING MACHINE

WATER HEATER EQUIPMENT SCHEDULE

VOLTS PH

120

REMARKS

85% EFF., 160 PSI, CIRC. PUMP,, ELEC. BY

VERTICAL, SET TANK AT 140 DEG