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RENOVATIONS TO THE
 STEVENS AVENUE ARMORY

PLUMBING
 GENERAL NOTES,
 LEGENDS
 AND
 ABBREVIATIONS

SCALE: AS NOTED
 DATE: 05-24-16

DWG. **P-001**

SHEET: 111 of 169

PLUMBING SYMBOLS LEGEND

ANNOTATION	EQUIPMENT & SPECIALTIES	PIPING & VALVES
SYMBOL PER ABBREVIATION LIST	TEMPERATURE SENSOR	PIPE TRANSITION
EQUIPMENT SEQUENCE NUMBER	FLOOR DRAIN	ELBOW DOWN
KEY NOTE	INSERTION TEMPERATURE SENSOR (AQUASTAT)	PIPE TEE UP OR UP AND DOWN
POINT OF ELEVATION	THERMOMETER	ELBOW UP OR UP AND DOWN
TEMPERATURE MAINTENANCE ZONE TERMINATION POINT	WATER HAMMER ARRESTOR	PIPE TEE DOWN
TEMPERATURE MAINTENANCE ZONE START POINT AND POWER JUNCTION BOX	WATER OR GAS METER	STRAINER
	REDUCED PRESSURE ZONE BACKFLOW PREVENTOR	BALL VALVE
	AIR GAP FITTING	BUTTERFLY VALVE
FIXTURES	PUMP	GATE VALVE
WALL HUNG URINAL WITH FLUSH VALVE	AIR VENT, AUTOMATIC	CLEANOUT
COUNTERTOP LAVATORY	AIR VENT, MANUAL	WALL CLEANOUT
WALL HUNG LAVATORY	HOSE BIBB OR HYDRANT	FLOOR CLEANOUT
WALL HUNG WATER CLOSET WITH FLUSH VALVE	TRAP PRIMER ASSEMBLY	PRESSURE GAUGE AND COCK
MOP RECEPTOR	THERMOSTATIC MIXING VALVE	UNION
DUAL HEIGHT ELECTRIC WATER COOLER, WALL MOUNTED	VACUUM RELIEF VALVE	CHECK VALVE, SWING
		CLEANOUT
		DIRECTION OF FLOW
		P-TRAP
		PRESSURE RELIEF VALVE
		PRESSURE REDUCING/REGULATING VALVE
		CAP

GENERAL PLUMBING SYSTEM NOTES

- INSTALL SANITARY DRAINAGE WITH A PITCH OF 1/4 INCH PER FOOT FOR BUILDING SANITARY PIPING 3 INCHES AND SMALLER AND A PITCH OF 1/8 INCH PER FOOT FOR BUILDING SANITARY PIPING 4 INCHES AND LARGER.
- FOR PIPE SIZES NOT SHOWN ON PLANS REFER TO APPROPRIATE PART PLANS AND RISER DIAGRAMS.
- PIPING IS SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. COORDINATE IN FIELD WITH FIRE PROTECTION AND ALARM, MECHANICAL PIPING AND DUCTWORK, AND ELECTRICAL TRADES.
- PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILINGS, IN WALLS AND IN CHASES, UNLESS OTHERWISE NOTED. PIPING SHALL BE INSTALLED PARALLEL TO BUILDING LINES.
- PROVIDE DRAINS AT DOMESTIC WATER PIPING LOW POINTS AND PITCH PIPING TO LOW POINTS DRAINS.
- PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PIPING SHALL BE SUPPORTED FROM TOP CHORD OF JOISTS. NO STRUCTURAL MEMBERS SHALL BE CUT.
- INSTALL WATER PIPE ON THE WARM SIDE OF BUILDING INSULATION IN EXTERIOR WALLS. REFER TO ARCHITECTURAL WALL SECTIONS.
- PROVIDE WATER HAMMER ARRESTORS (WHA) AS SHOWN ON PLANS TO AVOID WATER HAMMER. SIZES INDICATED ON PLANS CONFORM TO THE PLUMBING AND DRAINAGE INSTITUTE (PDI) STANDARDS.
- PROVIDE ACCESSIBLE CLEANOUTS AT THE BASE OF STACKS, AT HORIZONTAL CHANGES OF DIRECTION GREATER THAN 45° AND WHERE SHOWN ON DRAWINGS.
- PIPING DROPS TO FIXTURES SHALL BE ANCHORED SOLID TO WALL WITH STEEL SUPPORT BRACKET WITH ADJUSTABLE CLIP.
- PROVIDE STEEL PIPE SLEEVES AT SLAB PENETRATIONS BOTH ON GRADE AND ABOVE GRADE, AND AT MASONRY WALL AND PARTITION PENETRATIONS. OPENINGS SHALL BE SEALED SMOKE AND WATER TIGHT.
- HOSE END VALVES SHALL BE PROVIDED WITH HOSE END VACUUM BREAKERS.
- COORDINATE LOCATION OF PIPING WITH WORK OF OTHER TRADES. PERFORM CUTTING WORK ASSOCIATED WITH PLUMBING SYSTEMS. DO NOT CUT STRUCTURAL MEMBERS WITHOUT ENGINEERS APPROVAL.
- PLUMBING SHALL BE DONE IN ACCORDANCE WITH THE MAINE STATE INTERNAL PLUMBING CODE - CURRENT EDITION AND THE INTERNATIONAL ENERGY AND CONSERVATION CODE (IECC) - CURRENT EDITION.
- INSTALL NATURAL GAS PIPING IN ACCORDANCE WITH NFPA 54 AND THE INTERNATIONAL FUEL GAS CODE.

PLUMBING ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT	FCO	FLOOR CLEANOUT	MAX	MAXIMUM	SAN	SANITARY
AHU	AIR HANDLER UNIT	FD	FLOOR DRAIN	MECH	MECHANICAL	SF	SQUARE FOOT
BFP	BACKFLOW PREVENTER	FF	FINISH FLOOR	MIN	MINIMUM	SP	SUMP PUMP, SPRINKLER
BP	PACKAGED BOOSTER PUMP	FLR	FLOOR	MR	MOP RECEPTOR	ST	STORM DRAIN
CD	CONDENSATE DRAIN	FT	FOOT/FEET	MTL	METAL	STL	STEEL
CL	CENTERLINE	G	GAS	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	TEMP	TEMPERATURE
CO	CLEANOUT	GPH	GALLONS PER HOUR	NFPA	NON-FREEZE WALL HYDRANT	TM	TEMPERATURE
CONN	CONNECTION	GPM	GALLONS PER MINUTE	NO	NUMBER, NORMALLY OPEN	TMV	TEMPERATURE MIXING VALVE
COND	CONDENSATE	HP	HOSE BIBB	NPT	NATIONAL PIPE THREAD	TP	TRAP PRIMER ASSEMBLY
CW	COLD WATER	HP	HORSEPOWER	OD	OUTSIDE DIAMETER, OVER FLOW DRAIN	TYP	TYPICAL
Ø,DIA	DIAMETER	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	P	PUMP, PITCH	U	URINAL
DN	DOWN	HW	HOT WATER	PDI	PLUMBING DRAINAGE INSTITUTE	UL	UNDERWRITER'S LABORATORIES
DP	DROP	INVERT	INDIRECT WASTE	PEX	CROSS-LINKED POLYETHYLENE	V	VENT
DWG	DRAWING	INV	INDIRECT WASTE	PRV	PRESSURE REDUCING VALVE	VTR	VENT TO ROOF
DWH	DUAL WALL HYDRANT	JAN	JANITOR (SINK)	PSI	POUNDS PER SQUARE INCH	W	WASTE
ELEC	ELECTRICAL	KW	KILOWATT, KITCHEN WASTE	PSIG	POUNDS PER SQUARE INCH GAGE	W&T	WASTE AND TRAP
ELEV	ELEVATION, ELEVATOR	L	LAVATORY	PW	PUMPED WASTE	WC	WATER COLUMN, WATER CLOSET
EW	ELECTRIC WATER COOLER	LF	LINEAR FEET	RD	ROOF DRAIN	WCO	WALL CLEANOUT
EWH	ELECTRIC WATER HEATER	LP,LPG	LIQUEFIED PETROLEUM GAS	RPM	REVOLUTIONS PER MINUTE	WD	WOOD
EXP	EXPANSION TANK			RPZ	REDUCED PRESSURE ZONE	WH	WALL HYDRANT, WATER HEATER
F	DEGREES FAHRENHEIT			S	SINK, SANITARY	WHA	WATER HAMMER ARRESTOR
						WPD	WATER PRESSURE DROP

PLUMBING LINE TYPE LEGEND

	PROVIDE ITEMS
	SOIL PIPE
	WASTE PIPE
	SANITARY SEWER ABOVE FLOOR
	SANITARY SEWER BELOW FLOOR OR GRADE
	STORM DRAIN ABOVE FLOOR
	STORM DRAIN BELOW FLOOR OR GRADE
	STORM DRAINAGE OVERFLOW DRAIN LINE
	CONDENSATE DRAIN ABOVE FLOOR OR GRADE
	VENT
	TRAP PRIMER LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER (110°F)
	DOMESTIC HOT WATER WITH TEMPERATURE MAINTENANCE CABLE
	PUMPED WASTE
	NATURAL GAS
	CONTROL WIRING
	UNDERSLAB DRAIN LINE