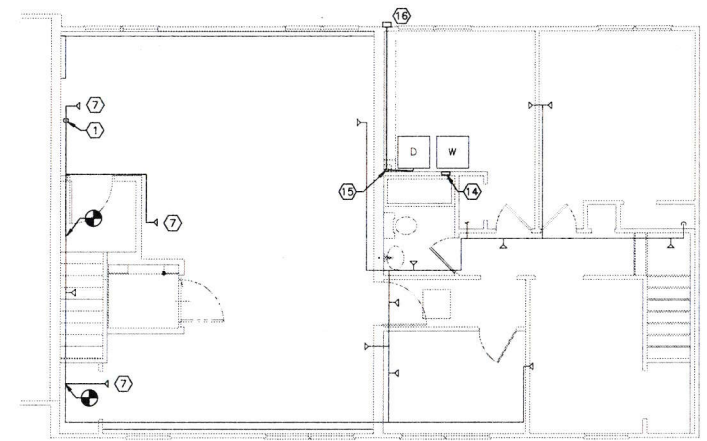


FIRST FLOOR MECHANICAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



SECOND FLOOR MECHANICAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"

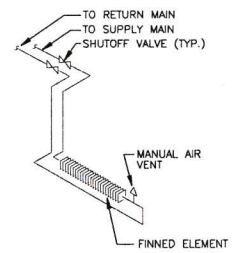
FINNED TUBE RADIATOR SCHEDULE								
UNIT NO	CAPACITY (BTU/FT)	AWT (DEG F)	TUBE SIZE (INCH)	MIN FINS PER FT	FIN DIMS (INCH X INCH)	ROWS	MANUFACTURER AND MODEL (1)	NOTES
FTR-1	680	170	3/4	50	2 3/4 x 3 3/4	2	VULCAN LC-209 VR04	1-3

NOTES:  
1. PROVIDE FULL BACK PLATE AND RADIATOR COVER.  
2. PROVIDE CU/AC FIN TUBE ELEMENTS.  
3. INSTALL MANUAL AIR VENT.

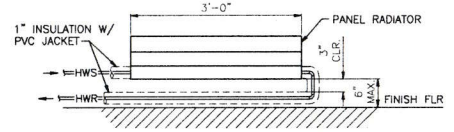
PANEL RADIATOR SCHEDULE							
UNIT NO	CONN SIZE (NPT)	HEIGHT (IN)	EWT (FT)	LWT (FT)	CAPACITY (BTU/FT/HR)	MANUFACTURER AND MODEL (1)	NOTES
PR-1	1/2	9	180	160	770	RUNTAL UF-3	1,2

NOTES:  
1. INCLUDE 1/8" MANUAL VENT.  
2. COLOR: WHITE, STANDARD.

**KEYED NOTE:**  
① MANUFACTURER'S NAME AND MODEL NUMBER ARE USED FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED. DESIGN IS PREDICATED AROUND LISTED MANUFACTURERS AS NOTED ON SCHEDULES AND IS NOT INTENDED TO LIMIT THE CONTRACTOR TO ONE MANUFACTURER UNLESS OTHERWISE NOTED.



FINNED TUBE & PANEL RADIATOR DETAIL  
SCALE: NONE



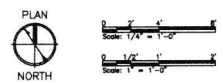
NOTES:  
1. PANEL RADIATOR SHALL BE MOUNTED 3 INCHES ABOVE THE INSULATED HWR PIPE SHOWN IN DETAIL.

PANEL RADIATOR DETAIL  
SCALE: 1" = 1'-0"

- NOTES:**
- REFER TO M-001 FOR LEGEND, NOTES, AND ABBREVIATIONS.
  - ALL HOT WATER PIPING SHALL BE TYPE L COPPER AND INSULATED. ALL EXPOSED HOT WATER PIPING IN COMMON AREAS SHALL HAVE A WHITE PVC JACKET. DRAIN AND VENT PIPE MATERIALS SHALL MATCH EXISTING.
  - ALL SPRINKLER PIPING SHALL BE STEEL AND MATCH EXISTING. ALL NEW SIDE WALL HEADS SHALL MATCH EXISTING. APPROXIMATE HEAD LOCATIONS SHOWN. LOCATE AND INSTALL PER NFPA 13.

- KEYED NOTES:**
- RELOCATED SPRINKLER RISER. RECONNECT TO SPRINKLER PIPING ON 1ST AND 2ND FLOORS AND EXTEND MAIN ON 2ND FLOOR.
  - CAP OR PLUG BRANCH PIPING.
  - DEDUCTIVE ALTERNATE NO.3: RELOCATED TOILET. RECONNECT WATER AND SANITARY. RELOCATE FLANGE AS NEEDED TO MEET CLEARANCE REQUIREMENTS.
  - CONNECT TO EXISTING HW SUPPLY AND RETURN TO PIPE MAINS ASSOCIATED WITH THE ZONE PUMP SERVING THIS AREA.
  - PROVIDE PVC JACKET ON EXPOSED HOT WATER PIPES NEAR FLOOR IN BATHROOM.
  - RELOCATE THERMOSTAT AND ASSOCIATED WIRING.
  - PROVIDE SIDEWALL SPRINKLER HEAD.
  - RELOCATE BRANCH PIPING.
  - EXTEND PIPE ENCLOSURE TO MATCH EXISTING SOFFIT.
  - ABANDON NATURAL GAS PIPING ROUTED THRU CEILING SOFFIT. CAP SUPPLY IN BOILER ROOM AND INSIDE KITCHEN WALL.
  - PROVIDE WALL PANEL BASEBOARD, TIE INTO ADJACENT BASEBOARD HWS/R THRU WALL. INSULATE AND PVC JACKET EXPOSED PIPING.
  - PROVIDE WALL PANEL BASEBOARD, TIE INTO EXISTING HWS/R UNDER STAIRWAY PRIOR TO CONSTRUCTION OF ANY WALLS IN BATHROOM THAT MAY BLOCK ACCESS TO UNDER STAIR AREA. INSULATE AND PVC JACKET EXPOSED PIPING.
  - DEDUCTIVE ALTERNATE NO.1: REMOVE PORTION OF ACOUSTICAL CEILING TILE AND DRYWALL CEILING TO TIE NEW WASHER DRAIN AND WATER LINES INTO EXISTING DRAIN, VENT, AND WATER PIPING SERVING THE 2ND FLOOR TUB. RESTORE CEILINGS ONCE PLUMBING WORK IS DONE.
  - DEDUCTIVE ALTERNATE NO.1: PROVIDE RECESSED WASHING MACHINE OUTLET BOX IN WALL FOR HOT & COLD WATER, & DRAIN CONNECTIONS.
  - DEDUCTIVE ALTERNATE NO.1: ELECTRIC DRYER VENTING TO BE 4" ALUMINUM DUCT, SIZED & INSTALLED PER MANUFACTURER INSTRUCTIONS. INSTALL CLEAN-OUT AT BASE OF RISER. PROVIDE HARD DUCT IN VERTICAL AND HORIZONTAL SOFFITS.
  - DEDUCTIVE ALTERNATE NO.1: EXTERIOR DRYER VENT TERMINATES WITH GRAVITY DAMPER AND WALL CAP.
  - DEDUCTIVE ALTERNATE NO.3: PROVIDE SIDEWALL SPRINKLER HEAD.
  - SPRINKLER PIPING DROP DOWN AND TIE-IN TO EXISTING FIRE DEPARTMENT CONNECTION.
  - ROUTE HWS/R FROM BASEBOARD RADIATOR UP THROUGH WALL TO TIE INTO EXISTING HWS/R IN SOFFIT OVERHEAD.

2015 Building Authority 101-001 - Division Head (M)Cheney@portlandmaine.gov - 10/20/17 - 4.14 PM - MARIUSZ LESIAKOWSKI



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				<b>PORTLAND HOUSING AUTHORITY</b> PORTLAND, MAINE PHA RIVERTON HEAD START BUILDING 14, UNITS 102 AND 104								
PROJECT NO. 218.021.001 SHEET 14 OF 16				<b>M-101</b>								
ISSUED FOR BID	DESCRIPTION	MSD	ERP	SS/10/17	DATE	02/28/17	DES BY	ERP	OWN BY	MBD	CKD BY	DRV
REV	DESCRIPTION	DATE	BY	APP	DATE							