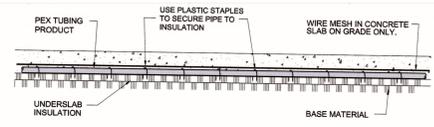
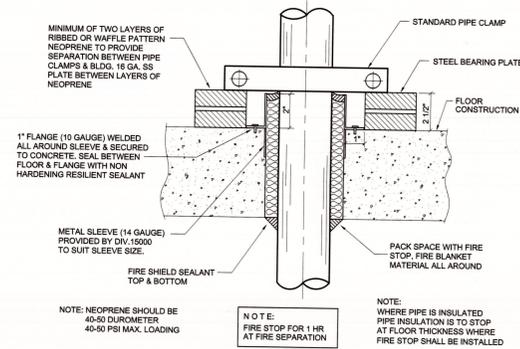


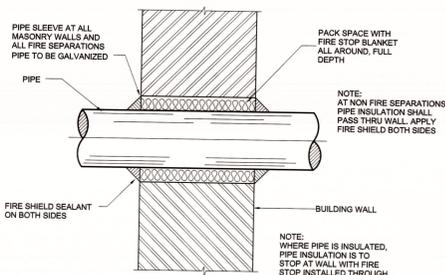
SCHEDULE No.1/721 HEATING MANIFOLD SCHEDULE									
MANIFOLD ID	ROOM No.	LOOP		TUBE SPACING (12" PEX)	FLOW US GPM (50°F)	MAX HEAD LOSS FT.H ₂ O	DESIGN TEMP DROP (°F)	DESIGN TEMP (°F)	
		QUANTITY	LENGTH (ft)						
MH-1	BOILER ROOM	1	250	3 @ 6"	12	0.74	5.5	10	124
	WASHROOM (M)		160	3 @ 6"	12	0.73	4.4	10	124
	WASHROOM (F)	1	160	3 @ 6"	12	0.73	4.4	10	124
	CORRIDOR (1)	1	150	3 @ 6"	12	0.73	4.6	10	124
							2.93		
MH-2	LUNCH ROOM	3	190	3 @ 6"	12	2.2	4.0	10	124
	STORAGE ROOM	1	75	3 @ 6"	12	0.36	0.4	10	124
	MEETING ROOM	1	120	3 @ 6"	12	0.86	3.4	10	124
	CORRIDOR (2)	2	110	3 @ 6"	12	1.6	3.0	10	124
								5.02	
MH-3	LOCKER ROOM	2	200	3 @ 6"	12	1.3	3.8	10	124
	CORRIDOR (2)	1	125	3 @ 6"	12	1.2	6.0	10	124
	ENTRY	2	150	3 @ 6"	12	0.76	1.1	10	124
								3.26	
MH-4	UTILITY SHOP	4	220	3 @ 6"	12	3.4	6.1	10	124
									3.4
									14.8



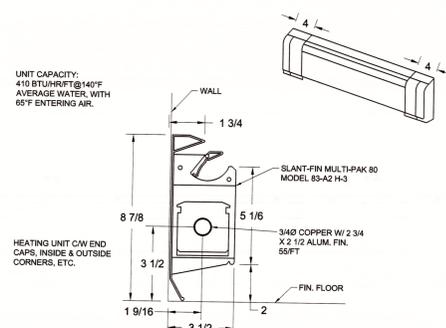
DETAIL NO.5/721 RADIANT FLOOR CONSTRUCTION N.T.S.



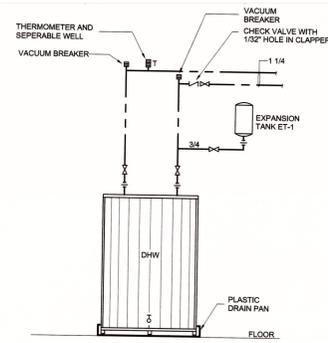
DETAIL NO.6/721 FLOOR PENETRATION FOR PIPES LARGER THAN 1" DIAMETER N.T.S.



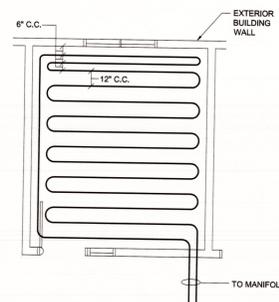
DETAIL NO.7/721 TYPICAL WALL PENETRATION DETAIL N.T.S.



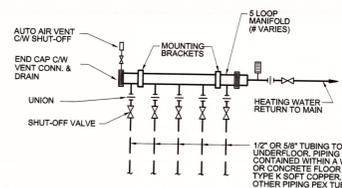
DETAIL NO.8/721 TYPICAL BASEBOARD HEATER N.T.S.



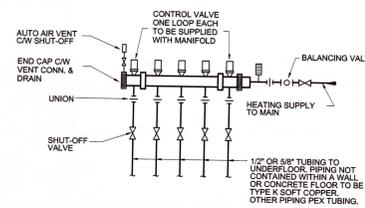
DETAIL NO.1/721 DOMESTIC HOT WATER TANK N.T.S.



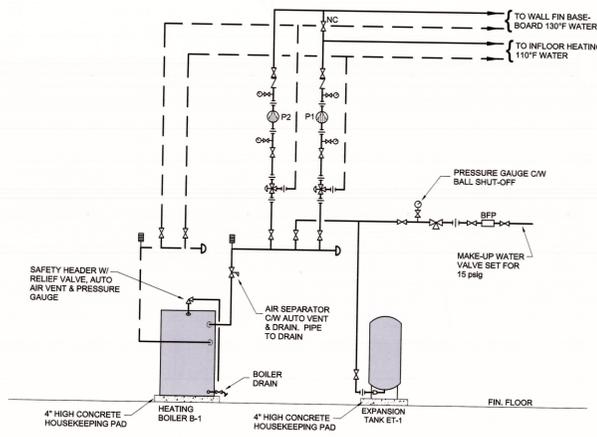
DETAIL NO.2/721 TYPICAL FLOOR PIPING ARRANGEMENT N.T.S.



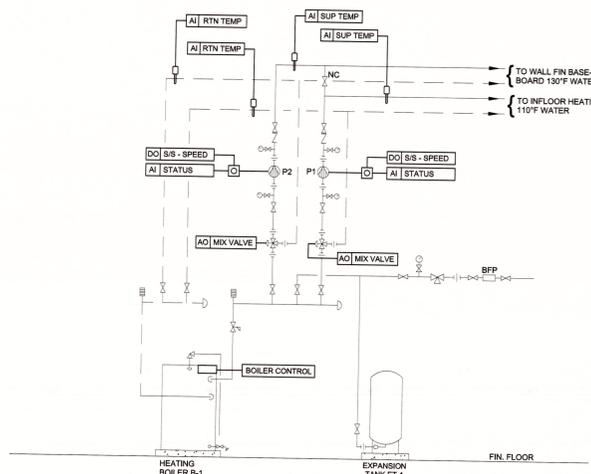
DETAIL NO.3/721 TYPICAL PIPING AT RETURN MANIFOLD N.T.S.



DETAIL NO.4/721 TYPICAL PIPING AT SUPPLY MANIFOLD N.T.S.



DETAIL NO.9/721 BOILER PIPING SCHEMATIC N.T.S.



DETAIL NO.10/721 BOILER PIPING CONTROL DETAIL N.T.S.

GENERAL SYMBOL LEGEND

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- RECIRCULATION LINE
- SANITARY DRAINAGE
- VENT LINE
- SHOKTROL, SIZE = A
- WALL HYDRANT (INSIDE)
- FLOOR DRAIN
- CLEAN-OUT
- POINT OF CONNECTION NEW TO EXISTING
- BACKFLOW PREVENTOR CW SHUT-OFF VALVES
- HEATING SUPPLY MAIN
- HEATING RETURN MAIN
- SHUT-OFF VALVE
- CHECK VALVE
- CIRCUIT BALANCING VALVE
- CONTROL VALVE
- UNION
- TEMPERATURE SENSOR
- RELIEF VALVE
- PRESSURE GAUGE CW PET COCK
- THERMOMETER CW SEPARABLE WELL CW CAPS & CHAINS
- AIR SEPARATOR CW DRAIN
- ANCHORS
- GUIDES
- AREAS SHADED DENOTES IN-FLOOR HEATING PIPING
- MH IN-FLOOR HEATING MANIFOLD
- THERMOSTAT
- TEMPERATURE SENSOR
- CARBON MONOXIDE MONITOR
- DUCTWORK
- BALANCING DAMPER
- FIRE DAMPER
- MANUAL DAMPER IN DUCT
- MOTORIZED VOLUME DAMPER
- FLEXIBLE DUCTWORK
- FLEXIBLE CONNECTION
- TURNING VANE
- DENOTES PORTION OF DUCTWORK TO BE INSULATED
- VERTICAL RISE IN DUCTWORK
- AND/OR DIFFUSERS AND/OR GRILLES
- EXISTING PIPING, EQUIPMENT, ETC. TO BE REMOVED

NOTES (All drawings)

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL THE CONTRACT DOCUMENTS INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL GRADES AND MEASUREMENTS ON THE JOB SITE & REPORT ANY DISCREPANCIES TO THE ENGINEER IN WRITING BEFORE COMMENCEMENT OF THE WORK.
- NOTWITHSTANDING WHATEVER MAY BE INDICATED ON THESE DRAWINGS AND/OR MECHANICAL SPECIFICATIONS REGARDING PHASE, VOLTAGE, SIZE OF MOTORS THIS CONTRACTOR SHALL BE DEEMED TO EXAMINE ELECTRICAL DRAWINGS BEFORE TENDERING AND/OR ORDERING EQUIPMENT WITH MECHANICAL MOTORS OR ELECTRICAL CONNECTIONS TO ENSURE THAT EQUIPMENT QUOTED AND/OR ORDERED IS COMPATIBLE WITH ELECTRICAL DRAWINGS & SYSTEM VOLTAGES AVAILABLE.



Fortress of Louisbourg
National Historic Site of Canada
Forteresse de Louisbourg
Site Historique National du Canada

revisions

revisions	date



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APPROVED AS REFLECTING STRUCTURAL DESIGN TEAM DECISIONS

RESTORATION ARCHITECT

PROJECT MANAGER

HEAD OF HISTORICAL RESOURCES

MANAGER, ASSET MANAGEMENT

APPROVED

FIELD UNIT SUPERINTENDENT

A	A detail no.	détail n°
B	B location dwg.	sur dessin n°
C	C drawing no.	dessin n°

date: MAR. 2015 scale/échelle: 1/4" = 1'-0"

designed by/conçu par: V.J. BELLIVEAU

drawn by/tracé par: M. MORELL

project title / titre du projet: REPURPOSING OF SANTIER-VALLEE MAGASIN HOUSES

drawing title / titre du dessin: MECHANICAL LEGEND, SCHEDULES and DETAILS

reference no. / n° de référence: 721

dwg. no. / dessin n°: 721

