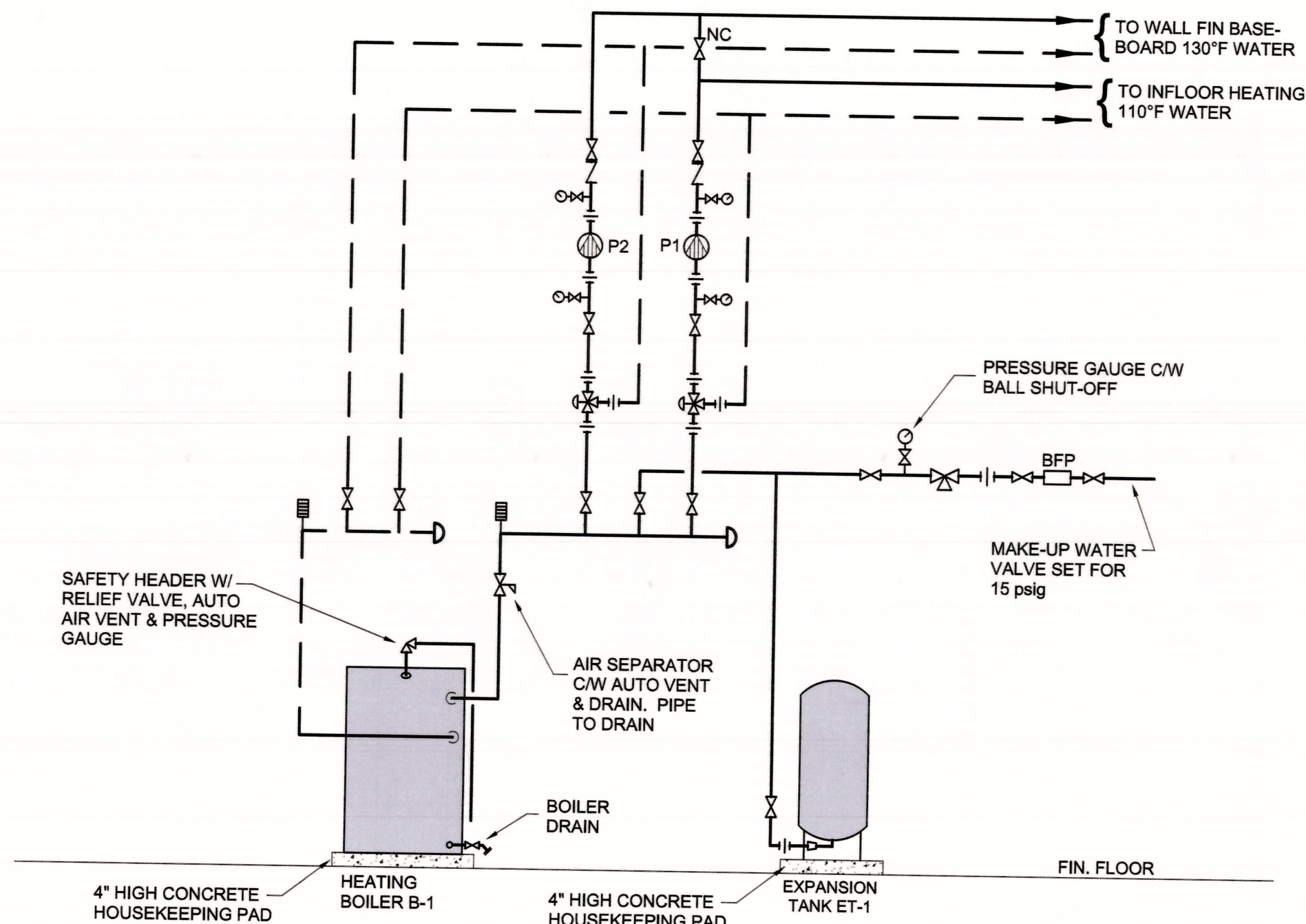
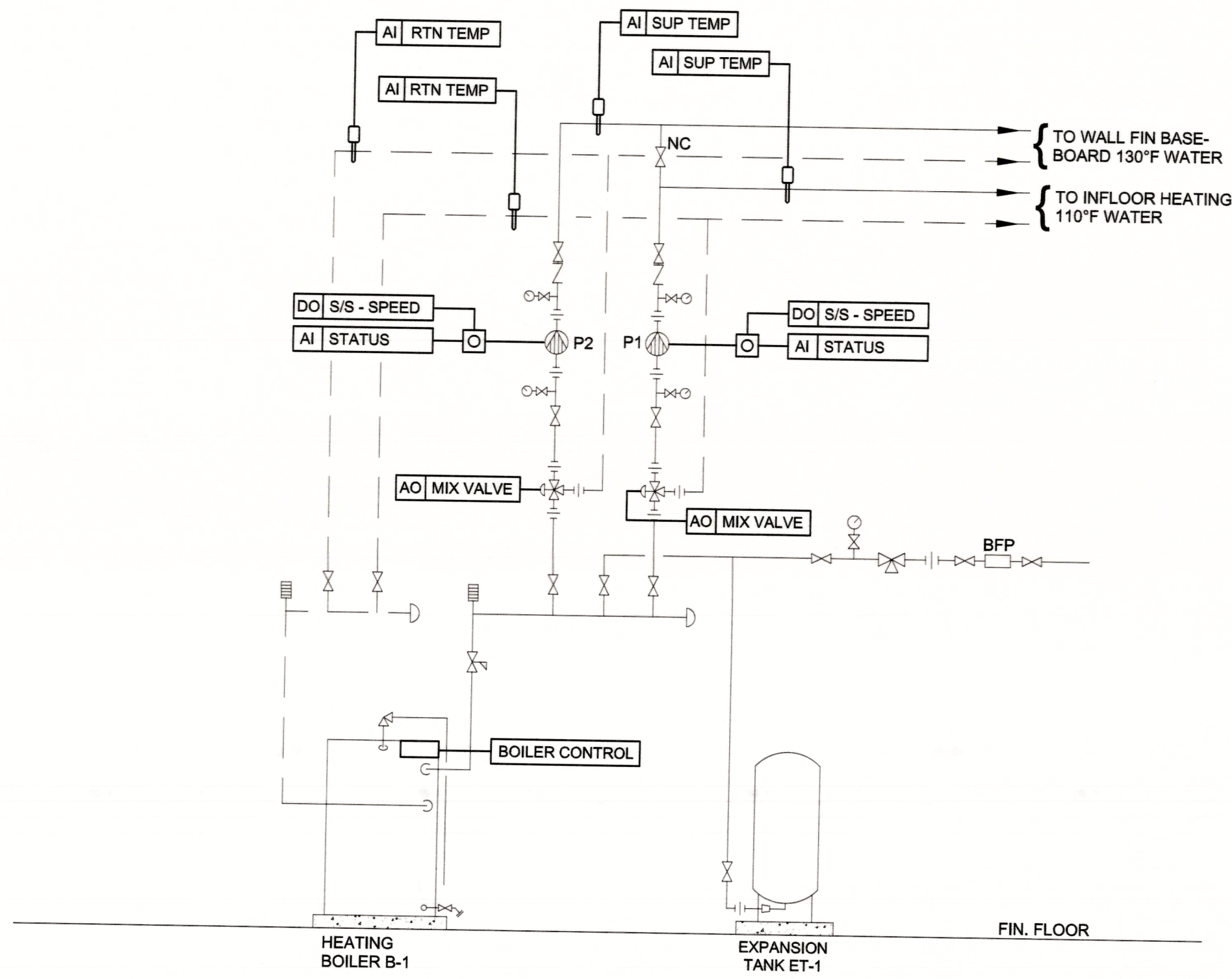


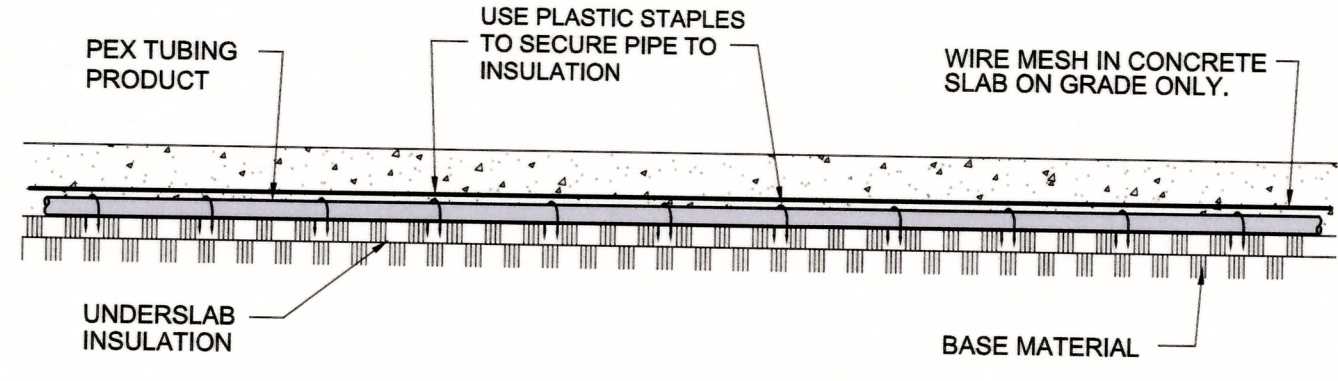
SCHEDULE No.1/721 HEATING MANIFOLD SCHEDULE									
MANIFOLD ID	ROOM No.	L O O P		TUBE SPACING (12" PEX)	FLOW US GPM (946L)	MAX HEAD LOSS FT.H ₂ O	DESIGN TEMP DROP (°F)	DESIGN TEMP (°F)	
		QUANTITY	LENGTH Feet						
MH-1	BOILER ROOM	1	250	3 @ 6"	12	0.74	5.5	10	124
	WASHROOM (M)		160	3 @ 6"	12	0.73	4.4	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		
							14.6		



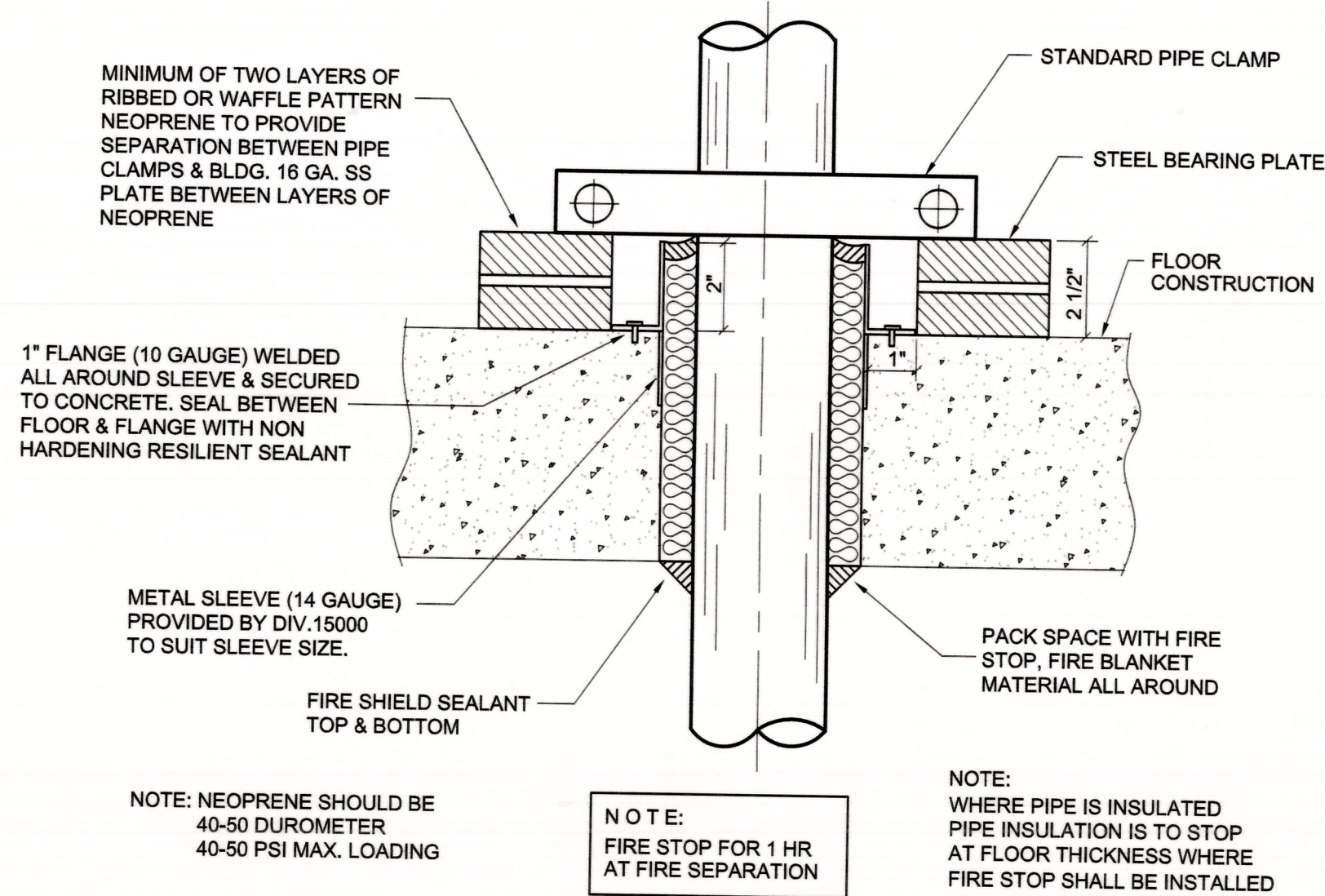
DETAIL NO.9/721 BOILER PIPING SCHEMATIC
N.T.S.



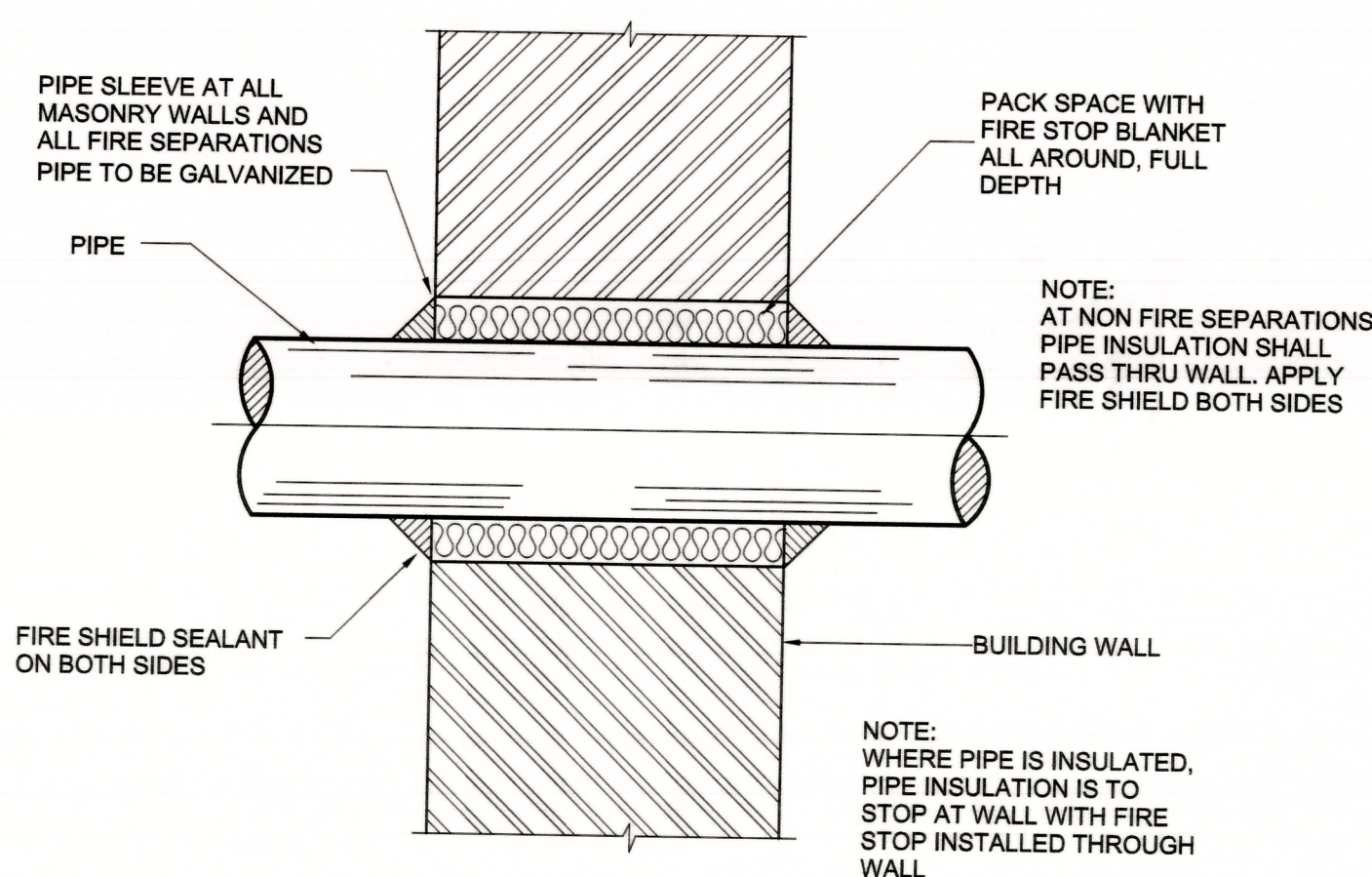
DETAIL NO.10/721 BOILER PIPING CONTROL DETAIL
N.T.S.



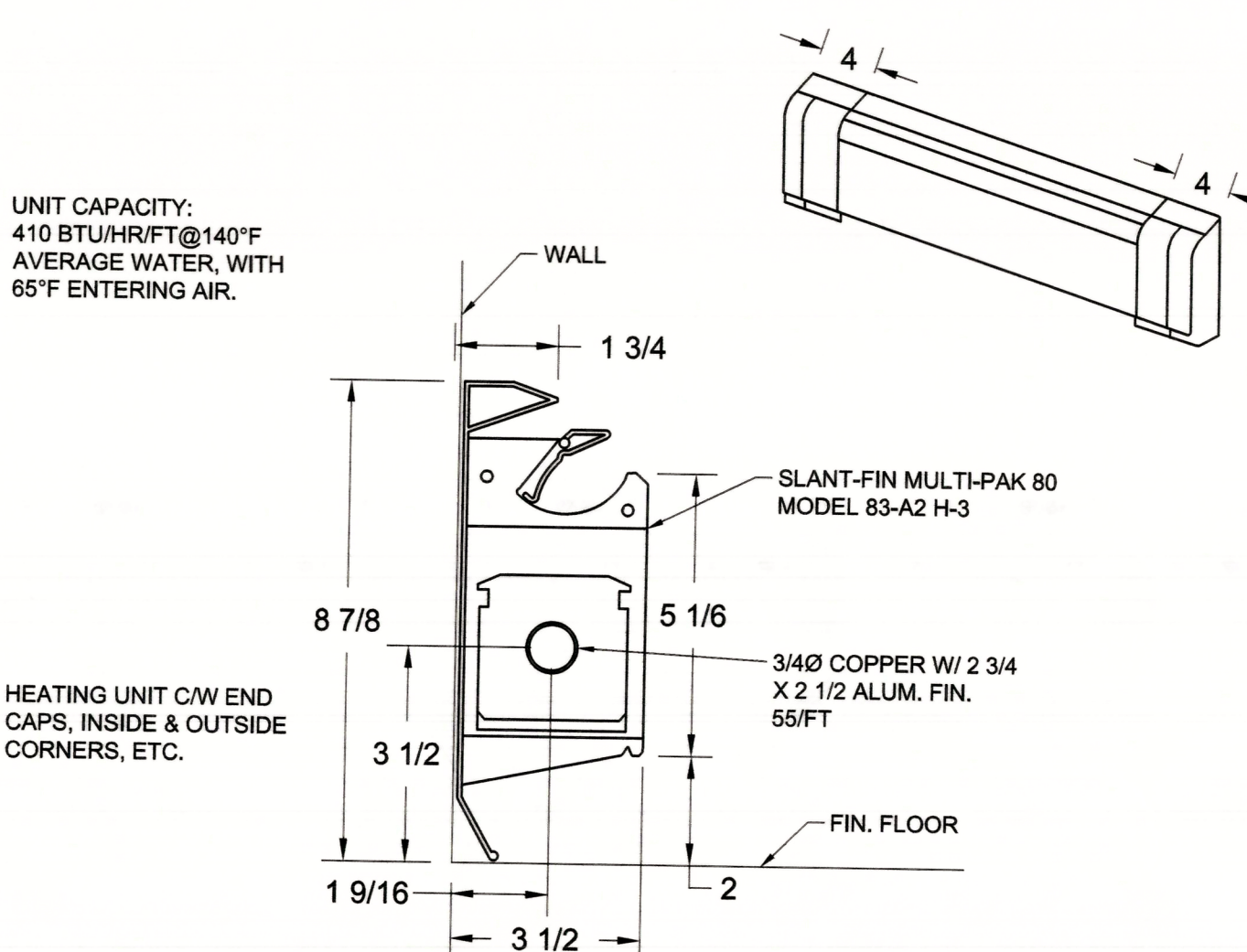
DETAIL NO.5/721 RADIANT FLOOR CONSTRUCTION
N.T.S.



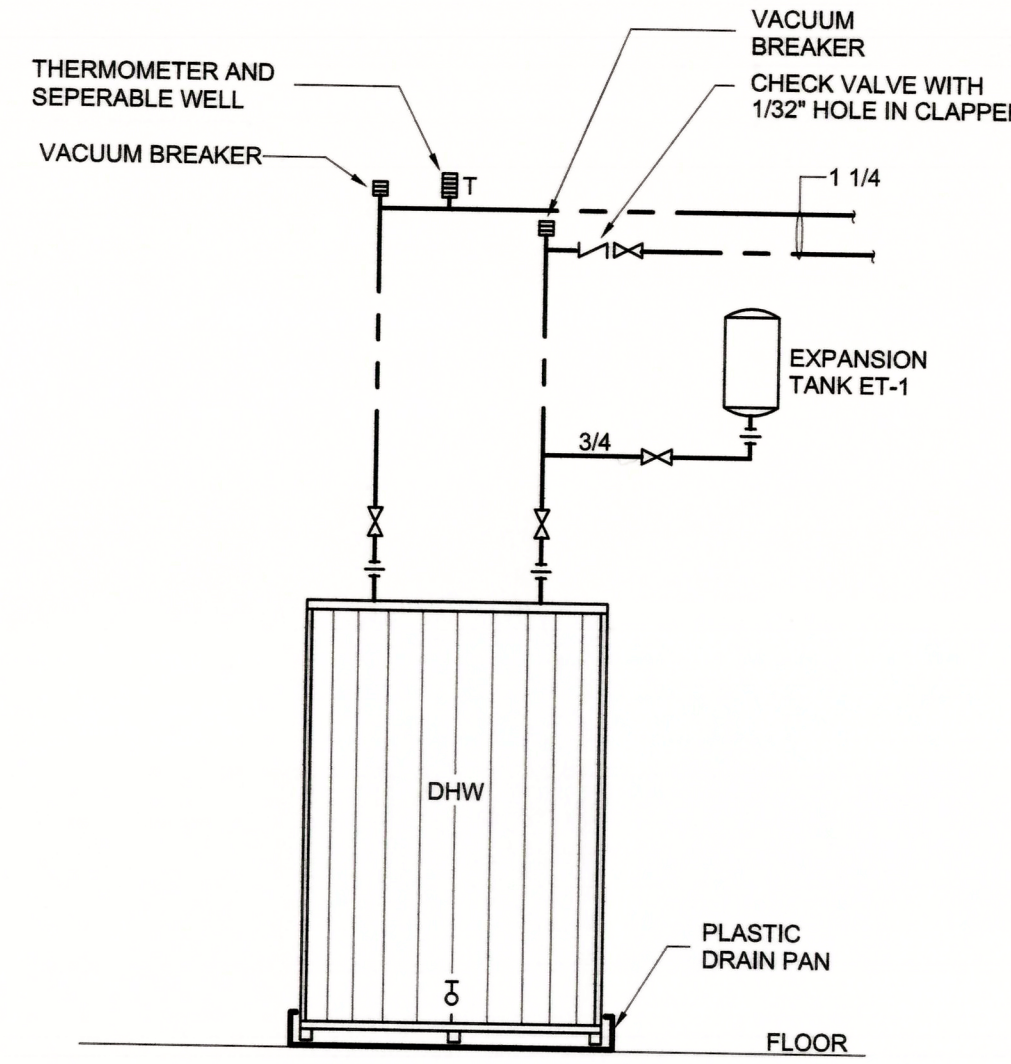
DETAIL NO.6/721 FLOOR PENETRATION FOR PIPES
LARGER THAN 1" DIAMETER N.T.S.



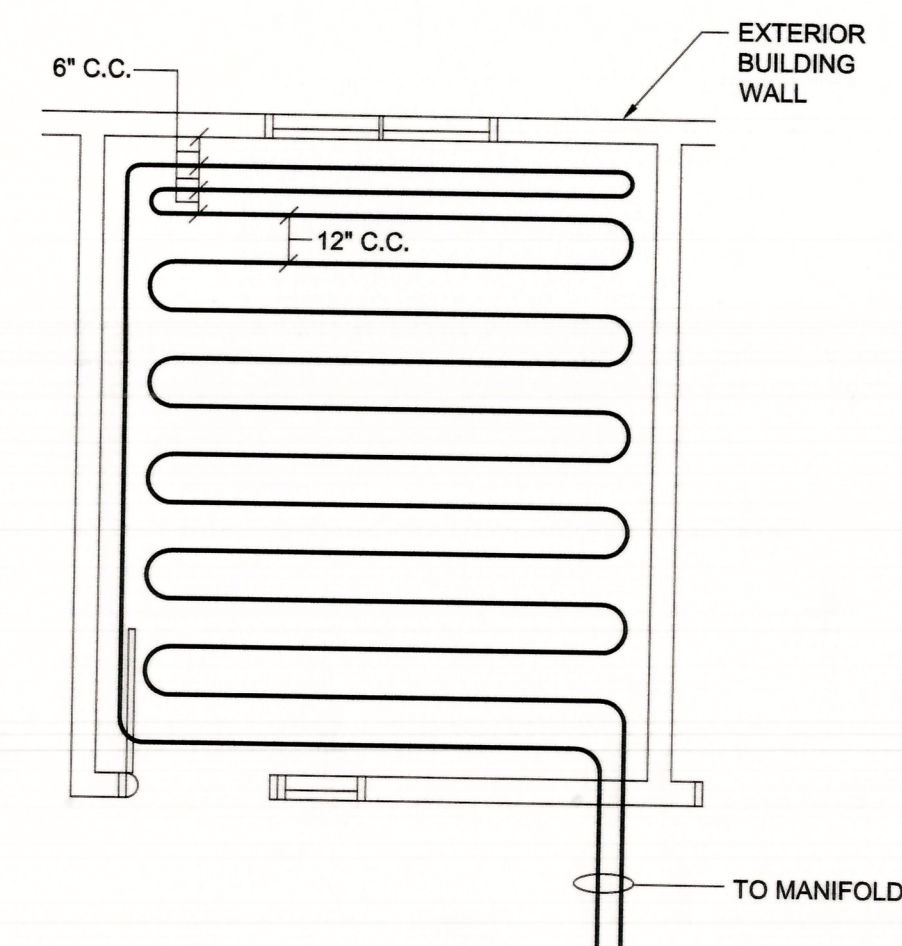
DETAIL NO.7/721 TYPICAL WALL PENETRATION
DETAIL N.T.S.



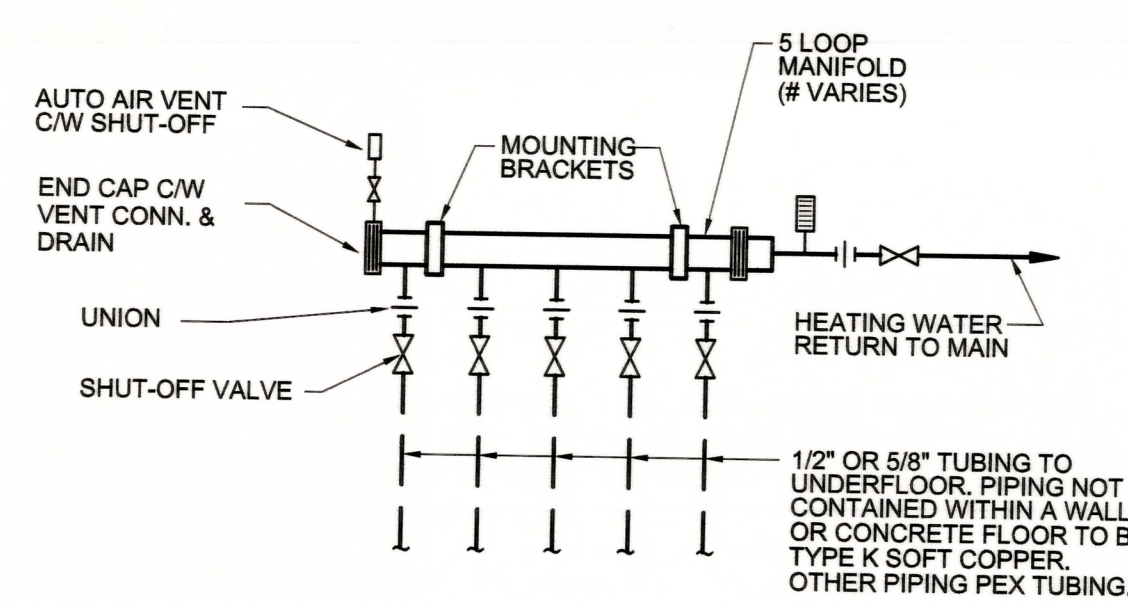
DETAIL NO.8/721 TYPICAL BASEBOARD HEATER
N.T.S.



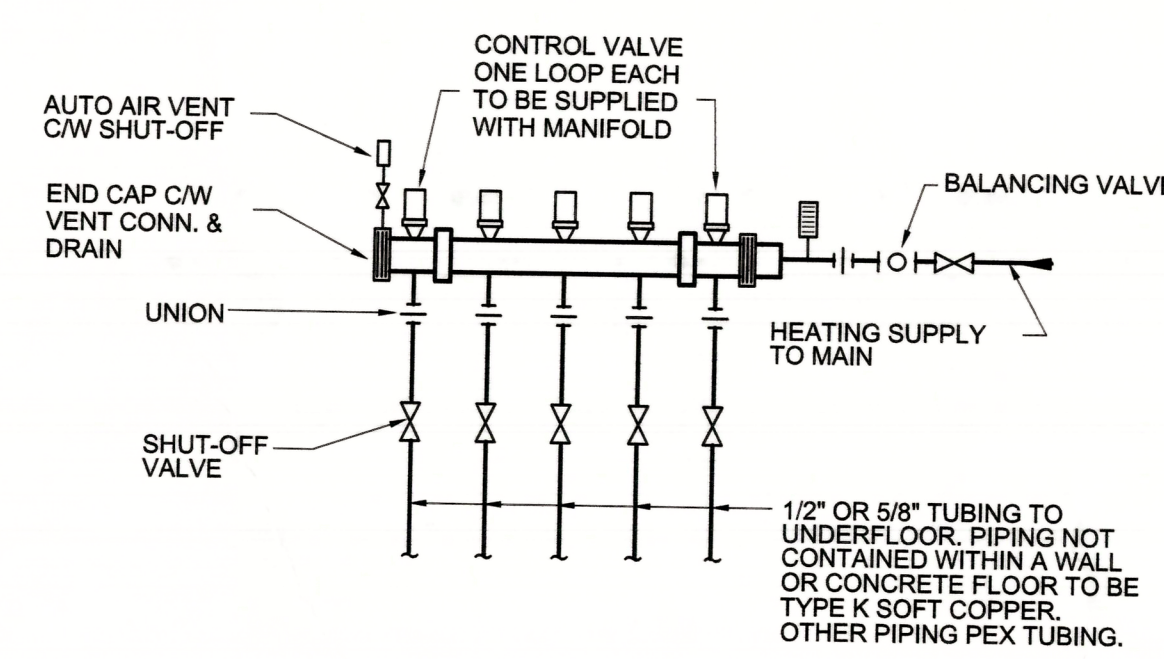
DETAIL NO.1/721 DOMESTIC HOT WATER TANK
N.T.S.



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.

GENERAL SYMBOL LEGEND

---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
---	RECIRCULATION LINE
---	SANITARY DRAINAGE
---	VENT LINE
A T A	SHOCKTROL, SIZE = A
HB	WALL HYDRANT (INSIDE)
FD	FLOOR DRAIN
CO	CLEAN-OUT
POC	POINT OF CONNECTION NEW TO EXISTING
BFP	BACKFLOW PREVENTOR C/W 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 C/W PET COCK
---	THERMOMETER C/W SEPARABLE WELL C/W CAPS & CHAINS
---	AIR SEPARATOR C/W DRAIN
---	ANCHORS
---	GUIDES
---	AREAS SHADED DENOTES IN-FLOOR HEATING PIPING
---	IN-FLOOR HEATING MANIFOLD
⊙	THERMOSTAT
⊙	TEMPERATURE SENSOR
CO	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 date

revisions	date



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APPROVED AS REFLECTING STRUCTURAL
DESIGN TEAM DECISIONS

RESTORATION ARCHITECT

PROJECT MANAGER

HEAD OF HISTORICAL RESOURCES

MANAGER, ASSET MANAGEMENT

FIELD UNIT SUPERINTENDENT

A	A detail no.	detail 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 dwg. no. dessin n°