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**PLUMBING, MECHANICAL,
 AND ELECTRICAL**
 DUFRESNE-HENRY
 Precision Park
 North Springfield VT 05150-0029
 (802)-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
 PROJECT #M 091-3(8)

NEW FACILITY

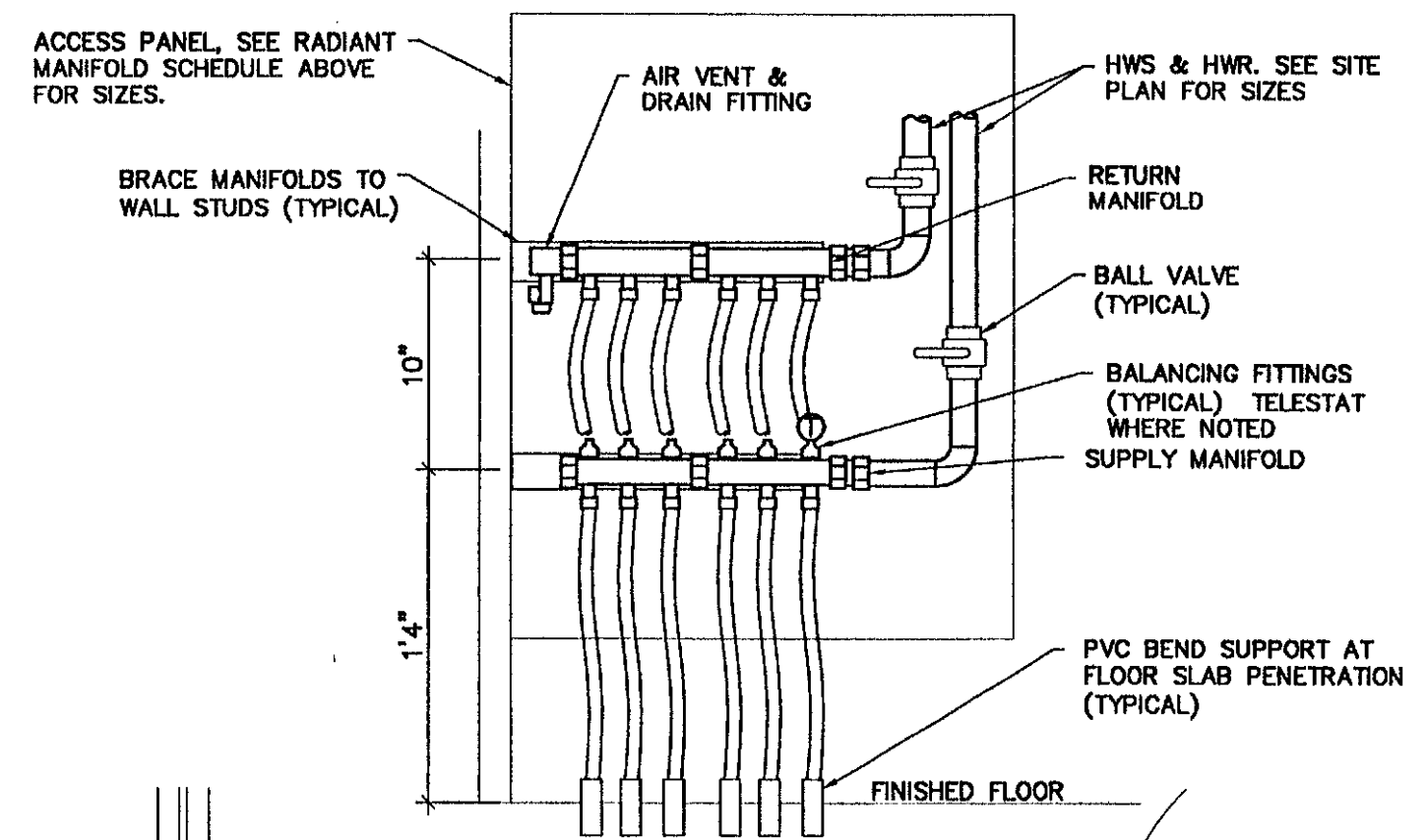
DERBY
 VERMONT

DATE: 01/07/02
 SCALE: AS NOTED
 CHECKED:
 PROJECT NO: 2003

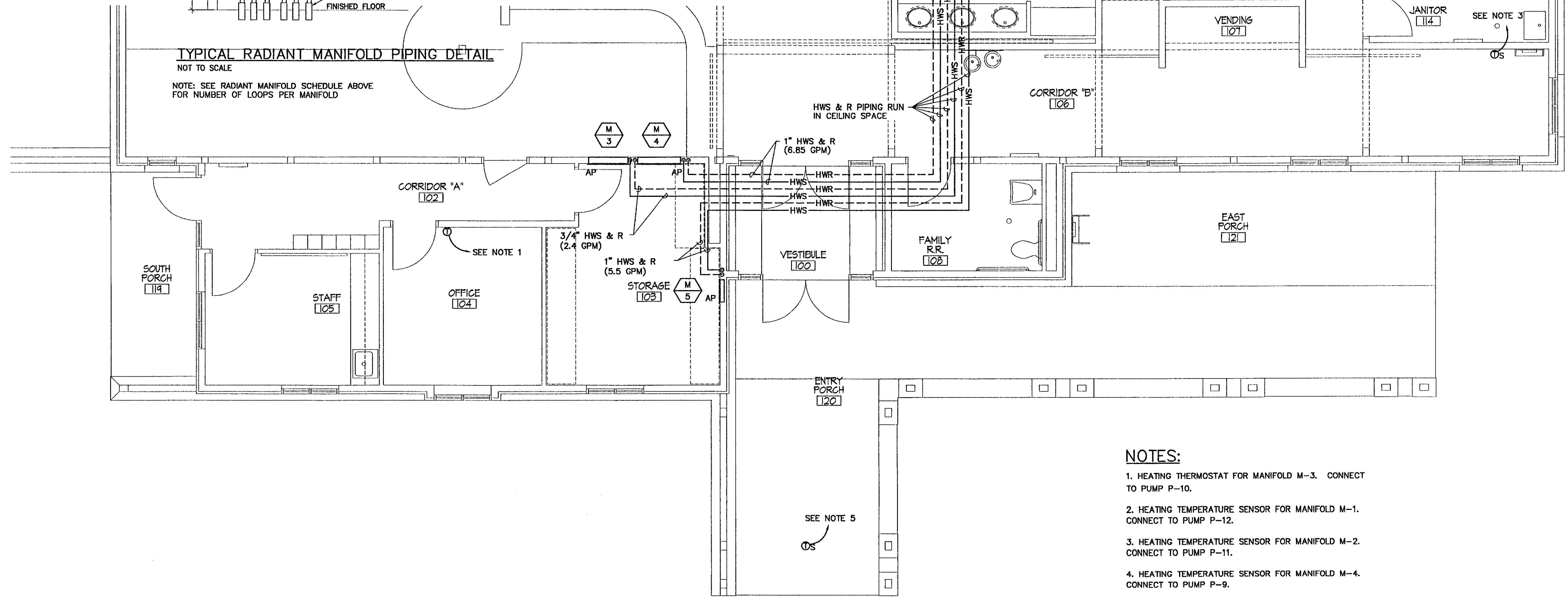
PIPING PLAN

M3.2

RADIANT MANIFOLD SCHEDULE											
NO.	LOCATION	LOOP #	TUBE SIZE ID	TUBE LENGTH (FEET)	GPM	WPD FT HD	DESIGN WATER TEMP. (°F)	ROOM TEMP. (°F)	FLOOR TEMP. (°F)	ACCESS PANEL L X W	AREA SERVED
M-1	MECH/ELEC 115	1	1/2"	184	0.7	3.58	118	60	70	20"x20"	MECHANICAL/ELECTRICAL 115
		2	1/2"	129	0.5	1.36	118	65	70		WOMAN 109
		3	1/2"	179	0.7	3.48	118	65	70		FLEX 111
		4	1/2"	139	0.5	1.47	118	65	77.5		MEN 113
		5	1/2"	159	0.6	2.34	118	60	70		JANITOR 114
M-2	PLUMBING CHASE 116	1	1/2"	139	0.5	1.47	118	65	77.5	16"x20"	FAMILY RR 108
		2	1/2"	209	0.8	5.19	118	65	75		CORRIDOR B
		3	1/2"	244	1	9.14	118	65	75		CORRIDOR B
M-3	STORAGE 103	1	1/2"	174	0.7	3.38	118	65	75	16"x20"	CORRIDOR 102
		2	1/2"	136	0.5	1.44	118	65	80		STAFF 105
		3	1/2"	126	0.5	1.33	118	65	83		OFFICE 104
		4	1/2"	169	0.7	3.28	118	80	70		STORAGE 103
M-4	STORAGE 103	1	5/8"	171	0.35	0.38	130	60	80	20"x20"	VESTIBULE 100
		2	5/8"	228	0.9	2.82	130	65	85		EXHIBIT 101
		3	5/8"	171	0.7	1.25	130	65	85		EXHIBIT 101
		4	5/8"	294	1.2	5.71	130	65	85		EXHIBIT 101
		5	5/8"	290	1.1	4.8	130	65	85		EXHIBIT 101
		6	5/8"	356	1.4	9.09	130	65	85		EXHIBIT 101
		7	5/8"	302	1.2	5.87	130	65	85		EXHIBIT 101
		8	5/8"	256	1	8.2	145	---	42		EXHIBIT 101
M-5	STORAGE 103	1	5/8"	225	0.9	2.61	145	---	42	16"x20"	ENTRY PORCH 120
		2	5/8"	225	0.9	2.61	145	---	42		ENTRY PORCH 120 & EAST PORCH 121
		3	5/8"	320	1.3	6.22	145	---	42		ENTRY PORCH 120 & EAST PORCH 121
		4	5/8"	342	1.4	8.73	145	---	42		ENTRY PORCH 120 & EAST PORCH 121
		5	5/8"	225	0.9	2.61	145	---	42		ENTRY PORCH 120 & EAST PORCH 121



TYPICAL RADIANT MANIFOLD PIPING DETAIL
 NOT TO SCALE
 NOTE: SEE RADIANT MANIFOLD SCHEDULE ABOVE FOR NUMBER OF LOOPS PER MANIFOLD



- NOTES:**
- HEATING THERMOSTAT FOR MANIFOLD M-3. CONNECT TO PUMP P-10.
 - HEATING TEMPERATURE SENSOR FOR MANIFOLD M-1. CONNECT TO PUMP P-12.
 - HEATING TEMPERATURE SENSOR FOR MANIFOLD M-2. CONNECT TO PUMP P-11.
 - HEATING TEMPERATURE SENSOR FOR MANIFOLD M-4. CONNECT TO PUMP P-9.
 - SNOW MELTING TEMPERATURE SENSOR FOR MANIFOLD M-5. CONNECT TO PUMP P-7.
 - TELESTAT ON FLEX 111 AND MECHANICAL/ELECTRICAL 115 LOOPS.

PIPING PLAN
 SCALE: 1/4"=1'-0"