



STATE OF VERMONT
 Department of Buildings
 and General Services
 Agency of Administration
 Montpelier, Vermont



VERMONT

AGENCY OF TRANSPORTATION
 NORTH FERRISBURG GARAGE
 HVAC PLAN

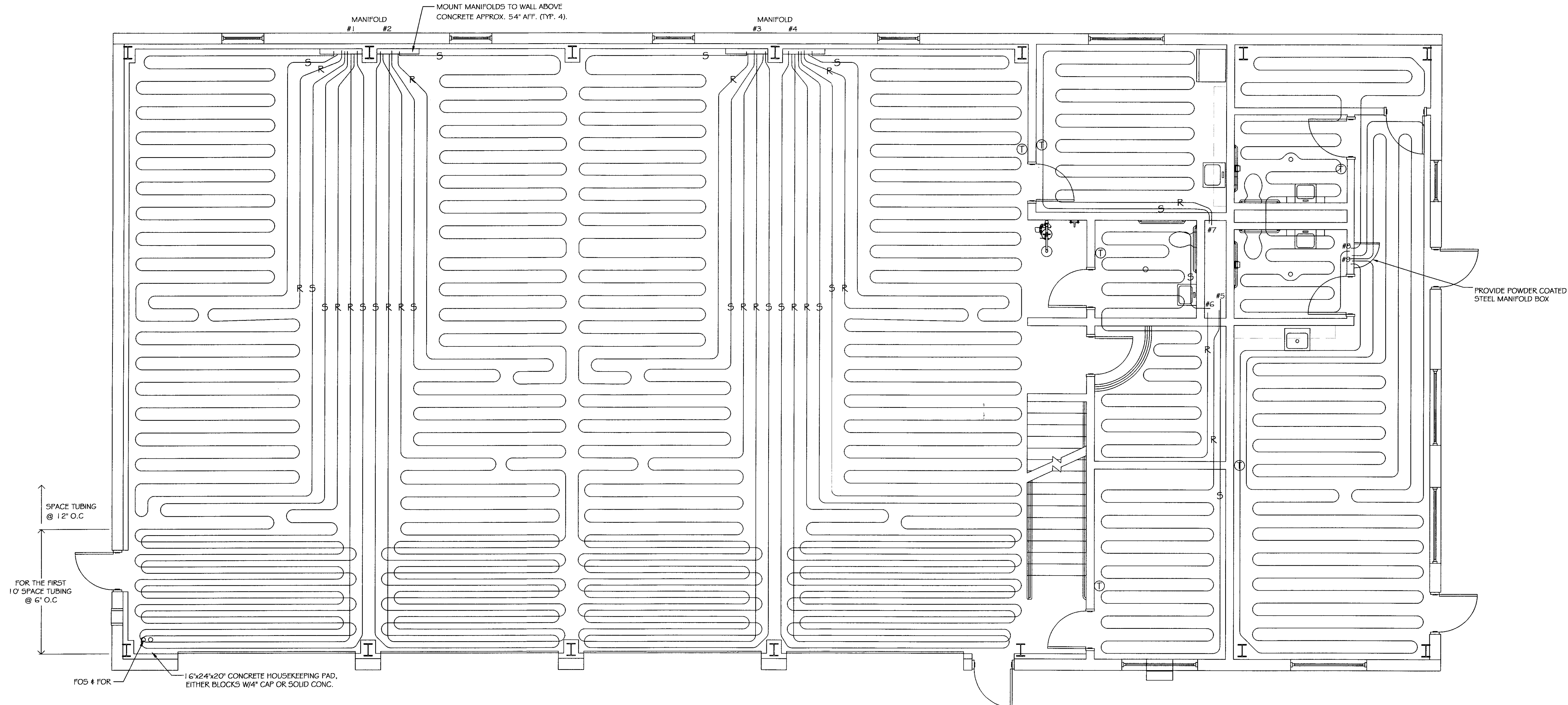
NORTH FERRISBURG

REVISIONS

SCALE: AS NOTED
 DATE: JANUARY 4, 2006
 DRAWN BY: N. HERSEY
 APPR. BY: TEIGH

A.O.T.
 NORTH FERRISBURG
 GARAGE
 HVAC
 PLAN

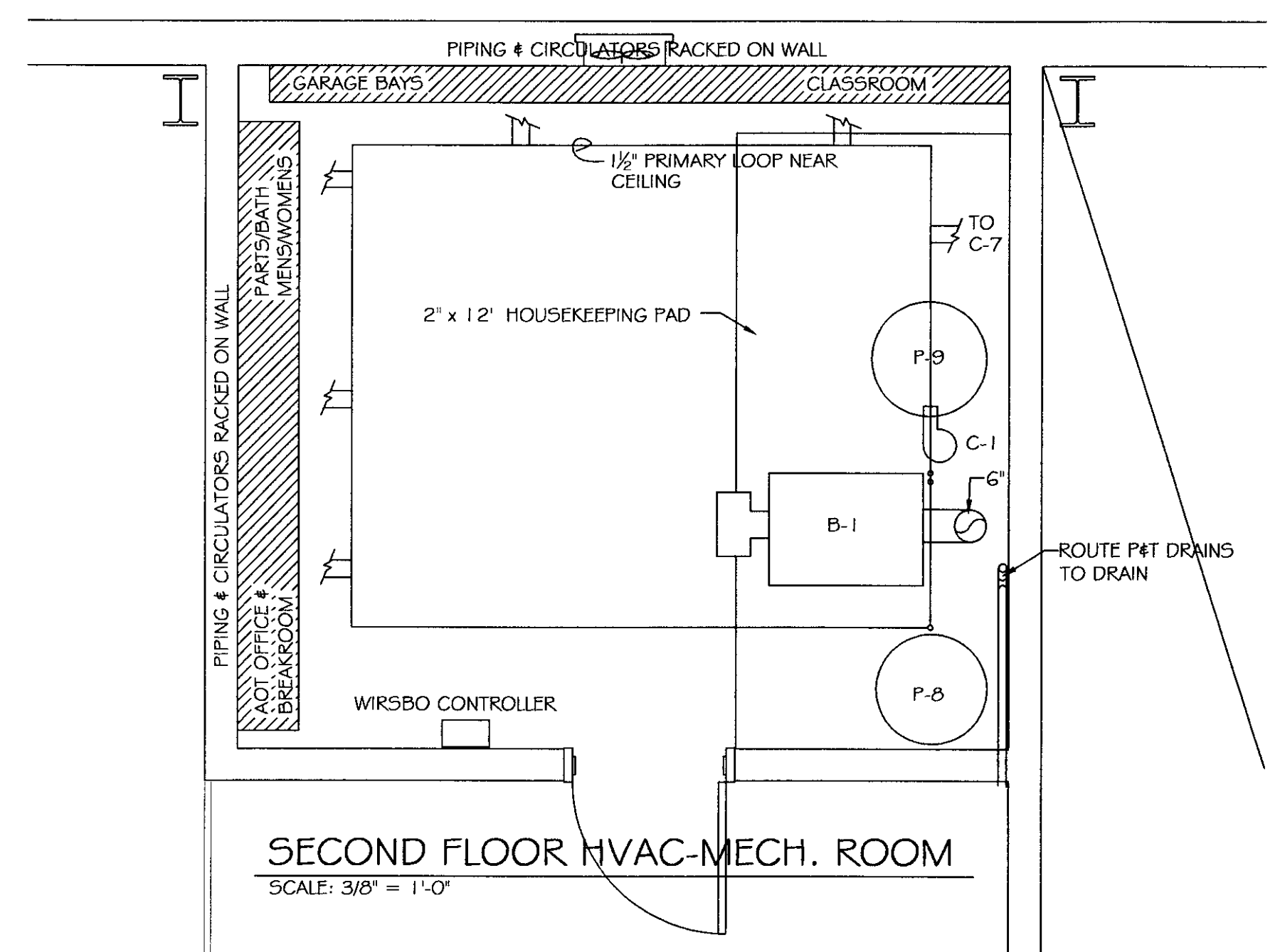
M-1



FIRST FLOOR RADIANT HEATING PLAN

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

RADIANT TUBING SCHEDULE											
MANIFOLD #	LOCATION	RADIANT LOOP #	AREA SERVED	TUBE SIZE	TUBE LENGTH (IN FLOOR)	GPM	ΔP	WATER TEMP.	FLOOR TEMP. (SURFACE)	BTU/SF	VALVE 1/2 TURNS
1	COLUMN A2-LEFT	1	GARAGE	5/8"	268	1.66	9.62	97	81.9	33.8	3.69
1	COLUMN A2-LEFT	2	GARAGE	5/8"	266	1.65	9.42	97	81.9	33.8	3.67
1	COLUMN A2-LEFT	3	GARAGE	5/8"	269	1.67	9.73	97	81.9	33.8	3.71
1	COLUMN A2-LEFT	4	GARAGE	5/8"	266	1.65	9.42	97	81.9	33.8	3.67
2	COLUMN A2-RIGHT	5	GARAGE	5/8"	291	1.80	12.02	97	81.9	33.8	3.99
2	COLUMN A2-RIGHT	6	GARAGE	5/8"	291	1.80	12.02	97	81.9	33.8	3.99
2	COLUMN A2-RIGHT	7	GARAGE	5/8"	292	1.81	12.14	97	81.9	33.8	4.00
3	COLUMN A4-LEFT	8	GARAGE	5/8"	292	1.81	12.14	97	81.9	33.8	4.00
3	COLUMN A4-LEFT	9	GARAGE	5/8"	291	1.80	12.02	97	81.9	33.8	3.99
3	COLUMN A4-LEFT	10	GARAGE	5/8"	291	1.80	12.02	97	81.9	33.8	3.99
4	COLUMN A4-RIGHT	11	GARAGE	5/8"	281	1.74	10.94	97	81.9	33.8	3.86
4	COLUMN A4-RIGHT	12	GARAGE	5/8"	280	1.74	10.83	97	81.9	33.8	3.85
4	COLUMN A4-RIGHT	13	GARAGE	5/8"	285	1.75	11.09	97	81.9	33.8	3.88
4	COLUMN A4-RIGHT	14	GARAGE	5/8"	284	1.76	11.20	97	81.9	33.8	3.90
5	MEZZANINE	15	AOT OFFICE	5/8"	150	.53	.74	83	73.9	17.7	4.00
6	MEZZANINE	16	BATH/PARTS	5/8"	145	.2	.09	72	68.4	6.8	4.00
7	MEZZANINE	17	BREAKROOM	5/8"	179	.66	1.26	83	74.2	18.4	4.00
8	DMV	18	MEN/WOMEN JEIC	5/8"	182	.2	.14	83.6	69.5	9.7	4.00
9	DMV	19	OFFICE/WAITING	5/8"	252	1.2	5.1	134	86	48.7	4.00
9	DMV	20	OFFICE/WAITING	5/8"	252	1.2	5.1	134	86	48.7	4.00



SECOND FLOOR HVAC-MECH. ROOM

SCALE: 3/8" = 1'-0"