

PRELIMINARY
NOT FOR CONSTRUCTION

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Zones			
Name	Area (m²)	# Circuit	Total load (kW)
Zone 201	94.9	4	6.98
Zone 202	35.9	2	1.70
Zone 205	10.0	2	0.68
Zone 206	6.5	1	0.31
Zone 207	60.5	4	4.85
Zone 209	55.5	4	6.59
Zone 210	31.3	0	2.99
Zone 211	11.0	0	0.97

Circuit information								
Number	Lenght (m)	Manifold	Tube size (mm)	Flow (L/s)	Head loss (m water)	Total Load (kW)	Velocity (m/s)	Fluid
M4.2	88	PRAD 4	13	0.03	1.55	1.35	0.27	50% Propylene Glycol
M4.3	85	PRAD 4	13	0.03	1.22	1.18	0.24	50% Propylene Glycol
M4.4	84	PRAD 4	13	0.03	1.25	1.21	0.24	50% Propylene Glycol
M4.5	85	PRAD 4	13	0.04	1.89	1.48	0.34	50% Propylene Glycol
M4.6	76	PRAD 4	13	0.04	1.74	1.54	0.34	50% Propylene Glycol
M4.7	66	PRAD 4	13	0.03	1.01	1.22	0.27	50% Propylene Glycol
M4.8	68	PRAD 4	13	0.02	0.76	0.96	0.21	50% Propylene Glycol
M4.9	42	PRAD 4	13	0.02	0.34	0.63	0.15	50% Propylene Glycol
M4.10	59	PRAD 4	13	0.02	0.58	0.75	0.18	50% Propylene Glycol
M5.1	29	PRAD 5	13	0.01	0.12	0.39	0.09	50% Propylene Glycol
M5.2	37	PRAD 5	13	0.01	0.18	0.42	0.09	50% Propylene Glycol
M5.3	45	PRAD 5	13	0.02	0.37	0.72	0.15	50% Propylene Glycol
M5.4	87	PRAD 5	13	0.03	1.40	1.30	0.27	50% Propylene Glycol
M5.5	89	PRAD 5	13	0.03	1.62	1.36	0.27	50% Propylene Glycol
M5.6	88	PRAD 5	13	0.03	1.28	1.21	0.24	50% Propylene Glycol
M5.7	88	PRAD 5	13	0.03	1.59	1.35	0.27	50% Propylene Glycol
M5.8	48	PRAD 5	13	0.01	0.27	0.48	0.09	50% Propylene Glycol

Manifolds												
Name	Manifold type	# Circuits	Tubing size	Supply Temp (°C)	Total Flow (L/s)	Headloss (m water)	Total Load (kW)	S/R Lenght (m)	S/R Head Loss (m water)	S/R Type	Required Temp (°C)	# Actuators
PRAD 4	Zone	9	13	51.7	0.3	2.5	10.31	7.62	0.27	Steel, Schedule 40, 1"	51.1	9
PRAD 5	Zone	8	13	51.7	0.2	2.0	7.23	7.62	0.15	Steel, Schedule 40, 1"	50.6	8

- SPECIFIC NOTES:
- ALL SIZING OF INFLOOR RADIANT HEATING SHALL BE DESIGNED CALCULATED BY THE MANUFACTURER. THE CALCULATIONS SHALL BE SIGNED BY AN ENGINEER.