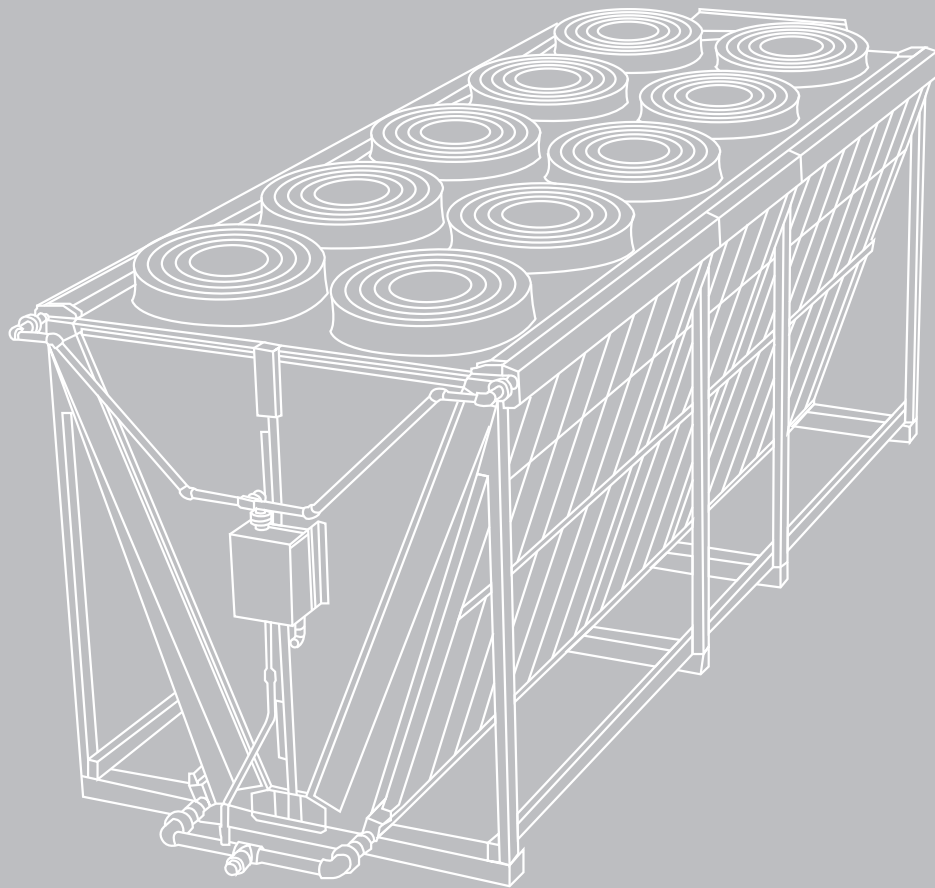


Adiabatic and Dry V-Shape Coolers and Condensers



Unit Layout Manual

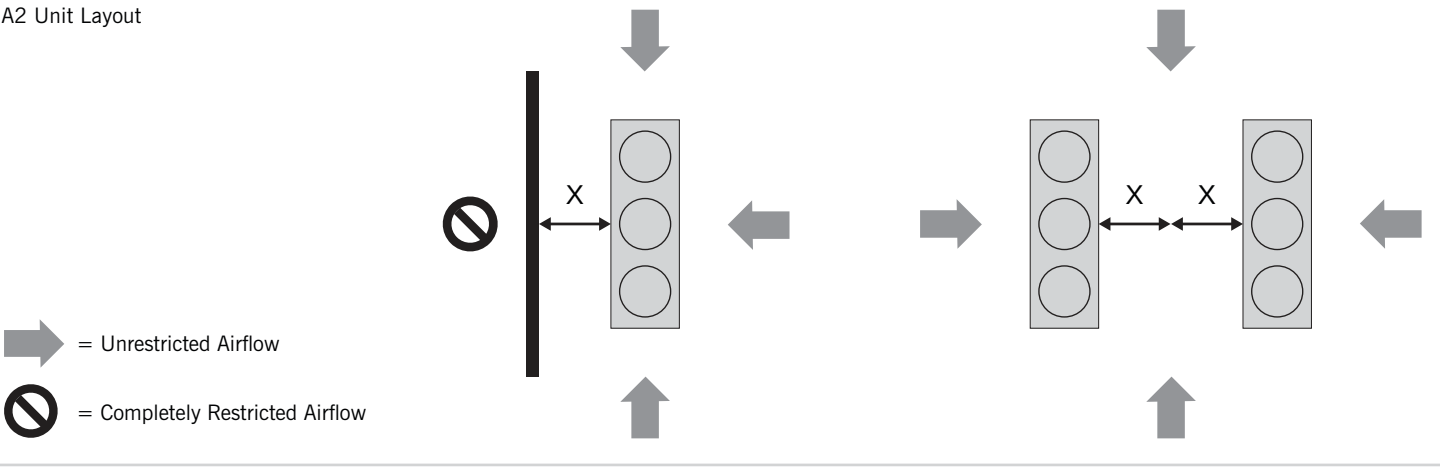
Adiabatic and Dry V-Shape Coolers and Condensers

Distance and Frame Height Considerations and Disclaimers:

- The walls outlined in the below cases assume complete airflow restriction, with the unit fans below the top of the walls
- It is recommended to elevate units so that the fans are above the top of the walls for best performance, which will allow the airflow to only be partially restricted. If you are looking for required distances in cases of partial airflow restrictions, please contact your Güntner Sales Representative for assistance
- If several units are placed side by side the use of cover plates between the units have to be considered. (Cover Plates: plates covering the space between the units to avoid air short cut.)
- For best performance, arrange air intake sides perpendicular to prevalent wind direction
- Nearby foliage can accelerate airside fouling, so it is recommended to avoid plant life as much as possible
- If the unit cannot be placed within the clearances and guidelines in the tables, the performance may be reduced
- If the desired layout case is not depicted or there is a deviation, contact your Güntner Sales Representative for assistance

In order to ensure optimized thermal performance of the cooler or condenser, unrestricted airflow entering the heat exchanger surface area is crucial. The tables below outline the elevation required between the base of the unit supplied and grade.

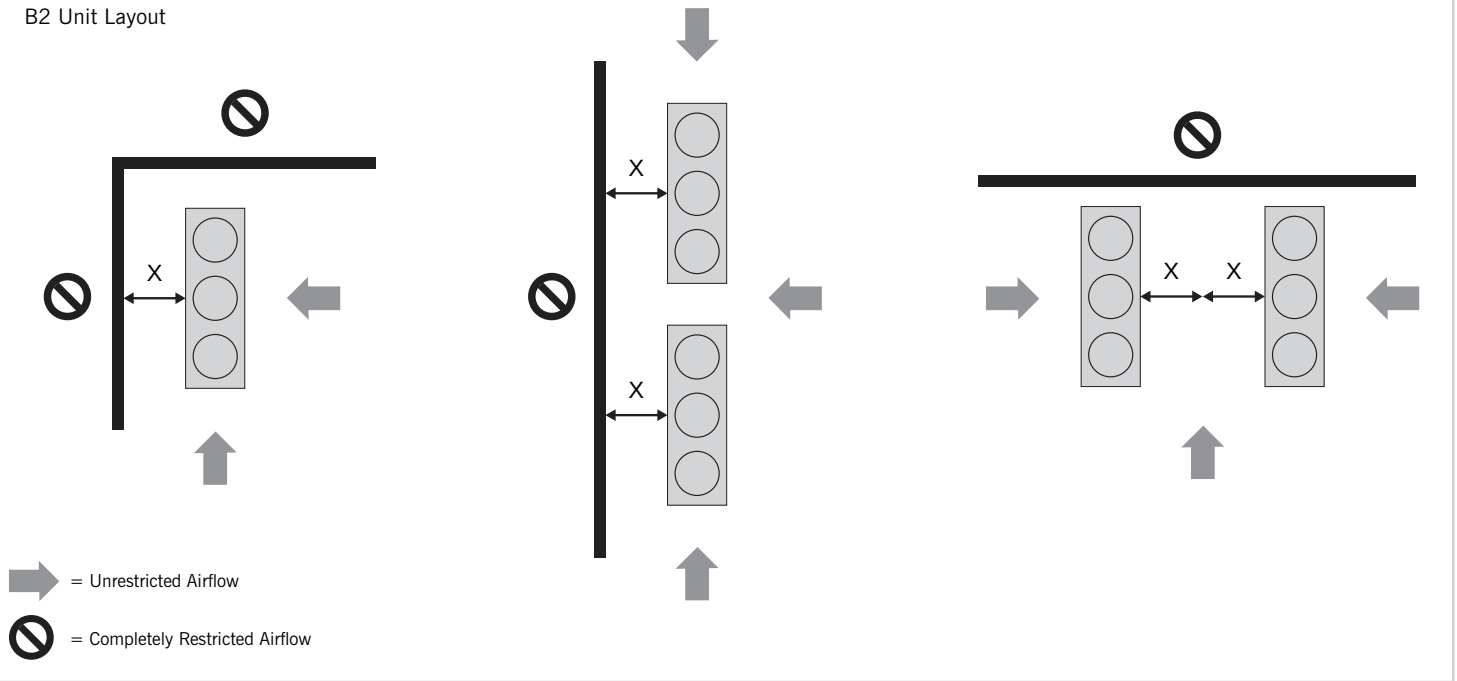
A2 Unit Layout



A2 Unit Size Tables

A2 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)
0.73	0	0.73	0	1.16	0	1.6	0	2.03	0	2.46	0	2.89	0	3.32	0
0.56	0.07	0.56	0.07	0.88	0.09	1.19	0.1	1.5	0.1	1.81	0.11	2.12	0.11	2.42	0.11
0.41	0.15	0.41	0.15	0.63	0.17	0.85	0.19	1.07	0.21	1.28	0.22	1.49	0.22	1.69	0.23
0.27	0.22	0.27	0.22	0.43	0.26	0.57	0.29	0.7	0.31	0.83	0.32	0.96	0.34	1.09	0.34
0.16	0.29	0.16	0.29	0.24	0.35	0.32	0.39	0.39	0.41	0.45	0.43	0.52	0.45	0.58	0.46
0.05	0.37	0.05	0.37	0.08	0.44	0.1	0.48	0.12	0.52	0.13	0.54	0.14	0.56	0.14	0.57
A2 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)
0.48	0	0.83	0	1.19	0	1.55	0	1.91	0	2.26	0	2.62	0	2.98	0
0.37	0.1	0.65	0.12	0.93	0.14	1.21	0.16	1.48	0.17	1.75	0.18	2.02	0.19	2.28	0.19
0.27	0.2	0.49	0.25	0.7	0.28	0.91	0.31	1.1	0.34	1.3	0.35	1.49	0.37	1.68	0.39
0.17	0.29	0.34	0.37	0.49	0.42	0.63	0.47	0.77	0.5	0.9	0.53	1.03	0.56	1.15	0.58
0.08	0.39	0.2	0.49	0.3	0.56	0.39	0.62	0.47	0.67	0.55	0.71	0.61	0.74	0.68	0.77
0	0.49	0.07	0.61	0.13	0.7	0.17	0.78	0.2	0.84	0.23	0.89	0.25	0.93	0.27	0.97

B2 Unit Layout

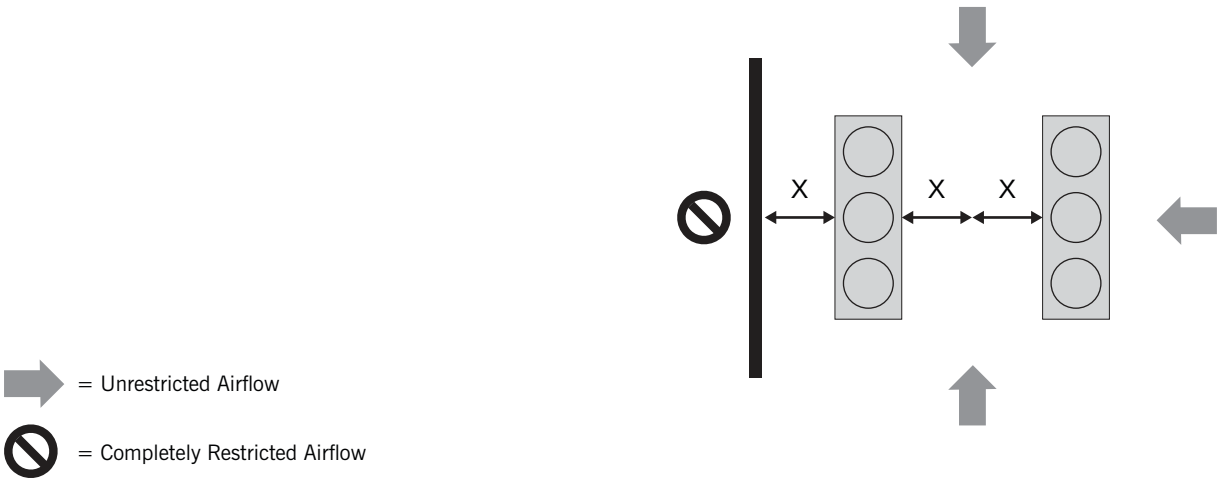


B2 Unit Size Tables

B2 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
1.6	0	1.6	0	2.46	0	3.32	0	4.19	0	5.05	0	5.92	0	6.78	0
1.19	0.1	1.19	0.1	1.81	0.11	2.42	0.11	3.04	0.12	3.65	0.12	4.25	0.13	4.86	0.13
0.85	0.19	0.85	0.19	1.28	0.22	1.69	0.23	2.11	0.24	2.52	0.25	2.92	0.25	3.33	0.26
0.57	0.29	0.57	0.29	0.83	0.32	1.09	0.34	1.34	0.36	1.59	0.37	1.84	0.38	2.08	0.38
0.32	0.39	0.32	0.39	0.45	0.43	0.58	0.46	0.7	0.48	0.82	0.49	0.93	0.5	1.05	0.51
0.1	0.48	0.1	0.48	0.13	0.54	0.14	0.57	0.15	0.6	0.16	0.61	0.17	0.63	0.17	0.64

B2 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
1.19	0	1.91	0	2.62	0	3.33	0	4.05	0	4.76	0	5.48	0	6.19	0
0.93	0.14	1.48	0.17	2.02	0.19	2.55	0.2	3.07	0.21	3.6	0.22	4.12	0.22	4.64	0.23
0.7	0.28	1.1	0.34	1.49	0.37	1.87	0.4	2.24	0.42	2.6	0.44	2.97	0.45	3.32	0.46
0.49	0.42	0.77	0.5	1.03	0.56	1.27	0.6	1.51	0.63	1.74	0.65	1.97	0.67	2.19	0.69
0.3	0.56	0.47	0.67	0.61	0.74	0.75	0.8	0.87	0.84	0.99	0.87	1.11	0.9	1.22	0.92
0.13	0.7	0.2	0.84	0.25	0.93	0.28	1	0.31	1.05	0.33	1.09	0.35	1.12	0.36	1.15

C2 Unit Layout

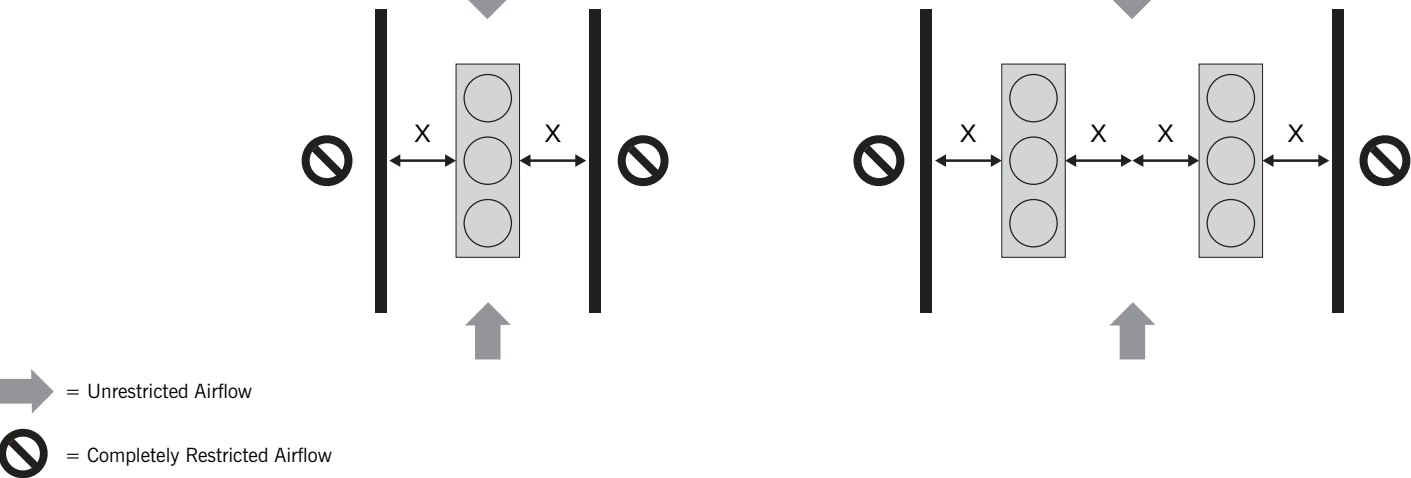


C2 Unit Size Tables

C2 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
0.73	0	0.73	0	1.16	0	1.6	0	2.03	0	2.46	0	2.89	0	3.32	0
0.53	0.14	0.53	0.14	0.81	0.18	1.08	0.21	1.34	0.23	1.6	0.25	1.86	0.27	2.11	0.28
0.36	0.27	0.36	0.27	0.55	0.36	0.71	0.42	0.88	0.47	1.03	0.51	1.18	0.54	1.33	0.56
0.23	0.41	0.23	0.41	0.34	0.53	0.44	0.63	0.54	0.7	0.63	0.76	0.71	0.81	0.79	0.85
0.13	0.54	0.13	0.54	0.19	0.71	0.24	0.84	0.28	0.93	0.32	1.01	0.36	1.08	0.4	1.13
0.05	0.68	0.05	0.68	0.08	0.89	0.1	1.05	0.12	1.17	0.13	1.27	0.14	1.34	0.14	1.41

C2 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
0.48	0	0.83	0	1.19	0	1.55	0	1.91	0	2.26	0	2.62	0	2.98	0
0.36	0.15	0.63	0.21	0.89	0.27	1.14	0.31	1.38	0.35	1.62	0.38	1.86	0.41	2.09	0.44
0.26	0.3	0.45	0.43	0.64	0.53	0.81	0.62	0.97	0.7	1.13	0.76	1.28	0.82	1.43	0.87
0.16	0.45	0.3	0.64	0.42	0.8	0.53	0.93	0.64	1.05	0.74	1.14	0.83	1.23	0.92	1.31
0.08	0.6	0.17	0.85	0.24	1.06	0.31	1.24	0.36	1.39	0.42	1.52	0.46	1.64	0.51	1.74
0	0.75	0.07	1.07	0.13	1.33	0.17	1.55	0.2	1.74	0.23	1.9	0.25	2.05	0.27	2.18

D2 Unit Layout

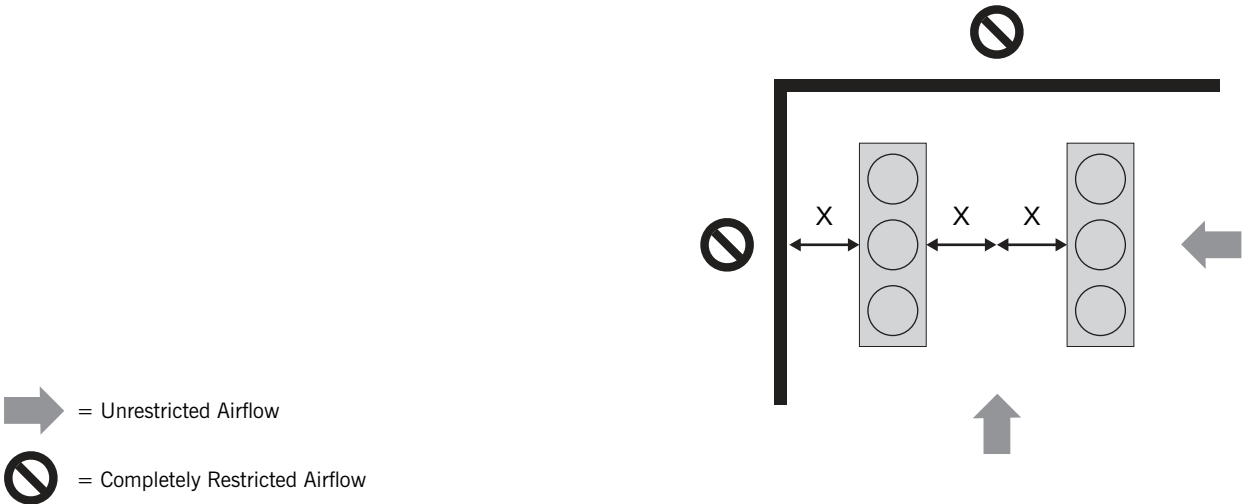


D2 Unit Size Tables

D2 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
0.73	0	0.73	0	1.16	0	1.6	0	2.03	0	2.46	0	2.89	0	3.32	0
0.49	0.23	0.49	0.23	0.7	0.35	0.89	0.48	1.04	0.61	1.17	0.73	1.29	0.86	1.39	0.98
0.32	0.46	0.32	0.46	0.44	0.71	0.52	0.96	0.59	1.21	0.65	1.46	0.69	1.71	0.73	1.96
0.19	0.68	0.19	0.68	0.26	1.06	0.31	1.44	0.34	1.82	0.36	2.19	0.39	2.57	0.4	2.94
0.1	0.91	0.1	0.91	0.14	1.42	0.16	1.92	0.18	2.42	0.19	2.92	0.2	3.42	0.2	3.93
0.05	1.14	0.05	1.14	0.08	1.77	0.1	2.4	0.12	3.03	0.13	3.66	0.14	4.28	0.14	4.91

D2 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
0.48	0	0.83	0	1.19	0	1.55	0	1.91	0	2.26	0	2.62	0	2.98	0
0.35	0.2	0.6	0.33	0.83	0.46	1.04	0.58	1.23	0.71	1.41	0.83	1.57	0.96	1.73	1.09
0.25	0.4	0.42	0.66	0.56	0.91	0.69	1.16	0.8	1.42	0.89	1.67	0.98	1.92	1.06	2.18
0.16	0.61	0.27	0.99	0.36	1.37	0.43	1.75	0.49	2.13	0.55	2.5	0.59	2.89	0.63	3.26
0.07	0.81	0.14	1.32	0.2	1.82	0.24	2.33	0.27	2.84	0.3	3.34	0.32	3.85	0.35	4.35
0	1.01	0.07	1.65	0.13	2.28	0.17	2.91	0.2	3.55	0.23	4.17	0.25	4.81	0.27	5.44

E2 Unit Layout

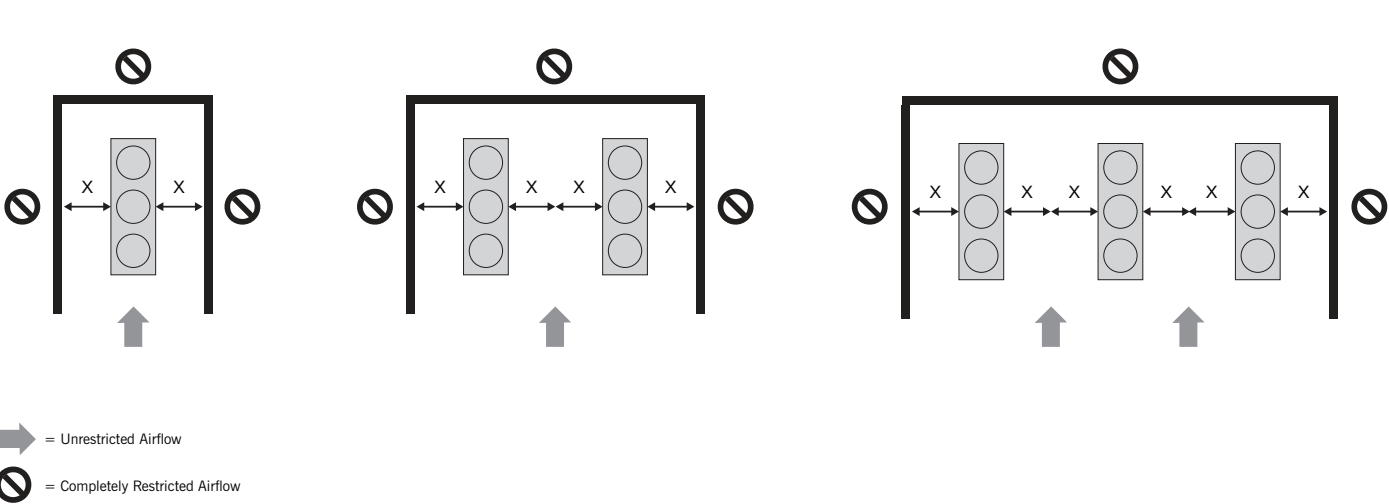


E2 Unit Size Tables

E2 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
1.6	0	1.6	0	2.46	0	3.32	0	4.19	0	5.05	0	5.92	0	6.78	0
1.08	0.21	1.08	0.21	1.6	0.25	2.11	0.28	2.61	0.3	3.11	0.32	3.6	0.33	4.09	0.34
0.71	0.42	0.71	0.42	1.03	0.51	1.33	0.56	1.63	0.61	1.92	0.64	2.21	0.66	2.49	0.68
0.44	0.63	0.44	0.63	0.63	0.76	0.79	0.85	0.96	0.91	1.12	0.96	1.28	0.99	1.43	1.02
0.24	0.84	0.24	0.84	0.32	1.01	0.4	1.13	0.47	1.21	0.54	1.28	0.61	1.33	0.68	1.36
0.1	1.05	0.1	1.05	0.13	1.27	0.14	1.41	0.15	1.52	0.16	1.59	0.17	1.66	0.17	1.71

E2 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)
1.19	0	1.91	0	2.62	0	3.33	0	4.05	0	4.76	0	5.48	0	6.19	0
0.89	0.27	1.38	0.35	1.86	0.41	2.32	0.46	2.78	0.5	3.23	0.53	3.68	0.56	4.12	0.58
0.64	0.53	0.97	0.7	1.28	0.82	1.58	0.92	1.86	1	2.14	1.06	2.42	1.11	2.69	1.16
0.42	0.8	0.64	1.05	0.83	1.23	1.01	1.38	1.17	1.49	1.34	1.59	1.5	1.67	1.65	1.74
0.24	1.06	0.36	1.39	0.46	1.64	0.55	1.84	0.64	1.99	0.72	2.12	0.79	2.23	0.86	2.32
0.13	1.33	0.2	1.74	0.25	2.05	0.28	2.29	0.31	2.49	0.33	2.65	0.35	2.78	0.36	2.9

E10 Unit Layout



E10 Unit Size Tables

E10 UNIT SIZE - G_W															
1X1		1X2		1X3		1X4		1X5		1X6		1X7		1X8	
X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)	X (m)	Elev- ation (m)
0.72	0	1.44	0	2.16	0.00	2.88	0	3.60	0	4.32	0	5.04	0	5.76	0
0.61	0.11	1.21	0.15	1.82	0.17	2.42	0.18	3.03	0.19	3.63	0.20	4.24	0.20	4.84	0.20
0.49	0.25	0.98	0.35	1.47	0.40	1.96	0.43	2.45	0.45	2.94	0.47	3.43	0.48	3.92	0.49
0.37	0.43	0.75	0.61	1.12	0.72	1.50	0.79	1.87	0.84	2.25	0.87	2.62	0.90	3.00	0.92
0.26	0.64	0.52	0.99	0.78	1.20	1.04	1.35	1.30	1.46	1.56	1.54	1.82	1.60	2.07	1.65
0.14	0.93	0.29	1.56	0.43	2.01	0.58	2.35	0.72	2.62	0.86	2.83	1.01	3.01	1.15	3.15

E10 UNIT SIZE - G_D C+D															
2X2		2X3		2X4		2X5		2X6		2X7		2X8		2X9	
X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)	X (m)	Elevation (m)
1.44	0	2.16	0	2.88	0	3.60	0	4.32	0	5.04	0	5.76	0	6.48	0
1.21	0.23	1.81	0.28	2.42	0.31	3.02	0.33	3.63	0.34	4.23	0.36	4.84	0.37	5.44	0.37
0.98	0.51	1.47	0.62	1.96	0.70	2.45	0.76	2.94	0.80	3.43	0.84	3.92	0.86	4.41	0.89
0.75	0.85	1.12	1.07	1.50	1.23	1.87	1.35	2.25	1.44	2.62	1.52	3.00	1.58	3.37	1.63
0.52	1.29	0.78	1.68	1.04	1.98	1.30	2.22	1.56	2.41	1.81	2.57	2.07	2.70	2.33	2.82
0.29	1.86	0.43	2.54	0.58	3.11	0.72	3.60	0.86	4.02	1.01	4.38	1.15	4.70	1.30	4.98

This image shows a full page of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.[illegible]

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