

DRYWALL MAXIMUM HEIGHT

SELF-SUPPORTING WALL CLADDING

GENERAL CONDITIONS

- Maximum heights for drywall self-supporting wall cladding indicated in meters and calculated according to the recommendations of ATEDY (Gypsum Business Technical Association).
- The maximum estimated heights are valid under assembly conditions included in standard EN 102043.
- Maximum heights valid provided that the gypsum boards covers the entire height of the partition and that the anchors to perimeter elements are rigid and resistant.
- The maximum height is defined as the distance between the upper and lower channels, both anchored to resistant construction elements (figures A,B,C and D).

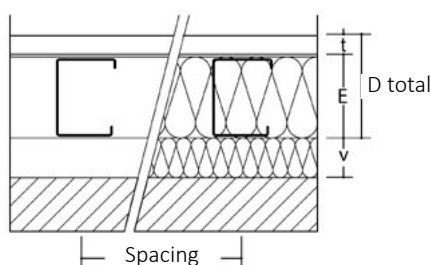


Figure A:
Simple stud assembly

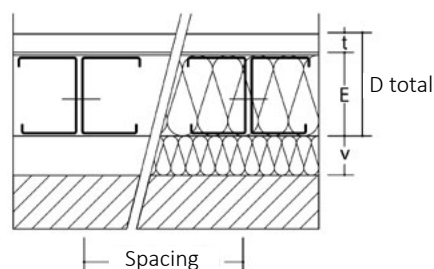


Figure B:
double stud assembly (in H)

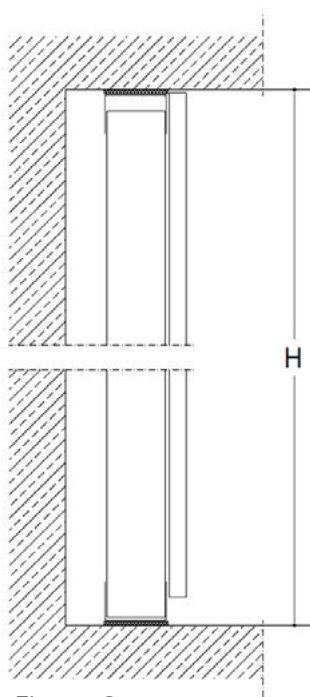


Figure C:
definition of height
without false ceiling

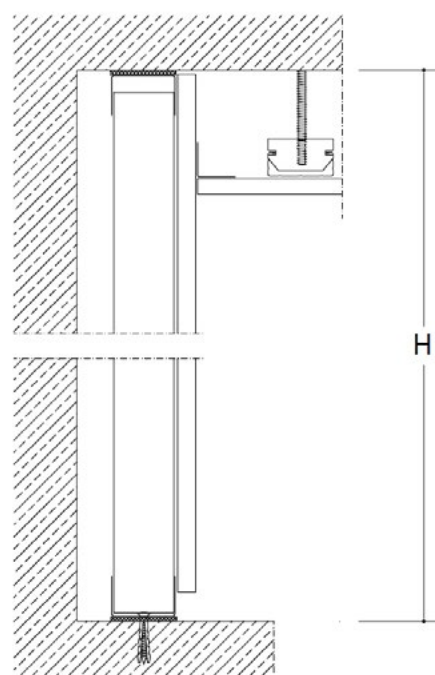


Figure D:
definition of height
with false ceiling



DRYWALL MAXIMUM HEIGHT SELF-SUPPORTING WALL CLADDING

SELF-SUPPORTING WALL CLADDING MAXIMUM HEIGHT (m)			Gypsum boards total thickness (mm)									
			12.5 ≤ t < 18		18 ≤ t < 25		25 ≤ t < 30.5		30.5 ≤ t < 36		36 ≤ t	
			600	400	600	400	600	400	600	400	600	400
Stud	Inertia (cm ⁴)	Spacing Assembly										
M-36/36	1.47	Simple [	1.85	2.05	1.99	2.20	2.21	2.44	2.38	2.64	2.47	2.73
		Double]]	2.20	2.44	2.36	2.61	2.62	2.90	2.83	3.14	2.94	3.25
M-36/40	1.65	Simple [	1.91	2.11	2.04	2.26	2.27	2.51	2.45	2.71	2.54	2.81
		Double]]	2.27	2.51	2.43	2.69	2.70	2.99	2.92	3.23	3.02	3.35
M-48/36	2.84	Simple [	2.18	2.42	2.34	2.59	2.60	2.88	2.81	3.11	2.91	3.22
		Double]]	2.60	2.87	2.78	3.08	3.09	3.42	3.34	3.69	3.46	3.83
M-48/40	3.21	Simple [	2.25	2.49	2.41	2.67	2.68	2.97	2.90	3.20	3.00	3.32
		Double]]	2.68	2.96	2.87	3.18	3.19	3.53	3.44	3.81	3.57	3.95
M-48/50	3.86	Simple [	2.36	2.61	2.53	2.80	2.81	3.11	3.03	3.36	3.14	3.48
		Double]]	2.80	3.10	3.00	3.33	3.34	3.69	3.61	3.99	3.74	4.14
M-62/36	5.18	Simple [	2.54	2.81	2.72	3.01	3.02	3.34	3.26	3.61	3.38	3.74
		Double]]	3.02	3.34	3.23	3.58	3.59	3.98	3.88	4.29	4.02	4.45
M-62/40	5.76	Simple [	2.61	2.88	2.79	3.09	3.10	3.43	3.35	3.71	3.47	3.85
		Double]]	3.10	3.43	3.32	3.67	3.69	4.08	3.98	4.41	4.13	4.57
M-62/50	6.89	Simple [	2.72	3.02	2.92	3.23	3.24	3.59	3.50	3.88	3.63	4.02
		Double]]	3.24	3.59	3.47	3.84	3.86	4.27	4.17	4.61	4.32	4.78
M-70/36	6.92	Simple [	2.73	3.02	2.92	3.23	3.25	3.59	3.51	3.88	3.64	4.02
		Double]]	3.24	3.59	3.48	3.85	3.86	4.27	4.17	4.62	4.32	4.79
M-70/38	7.40	Simple [	2.77	3.07	2.97	3.29	3.30	3.65	3.57	3.95	3.70	4.09
		Double]]	3.30	3.65	3.53	3.91	3.93	4.35	4.24	4.69	4.40	4.87
M-70/40	7.74	Simple [	2.81	3.10	3.01	3.33	3.34	3.70	3.61	3.99	3.74	4.14
		Double]]	3.34	3.69	3.57	3.96	3.97	4.39	4.29	4.75	4.45	4.92
M-70/50	9.21	Simple [	2.93	3.24	3.14	3.47	3.49	3.86	3.77	4.17	3.91	4.32
		Double]]	3.48	3.86	3.73	4.13	4.15	4.59	4.48	4.96	4.65	5.14
M-90/36	12.52	Simple [	3.16	3.50	3.39	3.75	3.77	4.17	4.07	4.50	4.22	4.67
		Double]]	3.76	4.16	4.03	4.46	4.48	4.96	4.84	5.35	5.02	5.55
M-90/40	13.77	Simple [	3.24	3.59	3.47	3.84	3.86	4.27	4.17	4.61	4.32	4.78
		Double]]	3.85	4.26	4.13	4.57	4.59	5.08	4.95	5.48	5.14	5.69
M-90/50	16.20	Simple [	3.37	3.73	3.62	4.00	4.02	4.45	4.34	4.80	4.50	4.98
		Double]]	4.01	4.44	4.30	4.76	4.78	5.29	5.16	5.71	5.35	5.92
M-100/36	15.92	Simple [	3.36	3.72	3.60	3.98	4.00	4.43	4.32	4.78	4.48	4.96
		Double]]	4.00	4.42	4.28	4.74	4.76	5.26	5.14	5.68	5.33	5.90
M-100/40	17.41	Simple [	3.44	3.80	3.68	4.07	4.09	4.53	4.42	4.89	4.58	5.07
		Double]]	4.09	4.52	4.38	4.84	4.86	5.38	5.25	5.81	5.45	6.03
M-100/50	20.46	Simple [	3.58	3.96	3.83	4.24	4.26	4.71	4.60	5.09	4.77	5.28
		Double]]	4.25	4.71	4.56	5.04	5.06	5.60	5.47	6.05	5.67	6.28
M-125/40	29.39	Simple [	3.92	4.33	4.20	4.64	4.66	5.16	5.04	5.57	5.22	5.78
		Double]]	4.66	5.15	4.99	5.52	5.54	6.14	5.99	6.63	6.21	6.87
M-125/50	34.23	Simple [	4.07	4.50	4.36	4.82	4.84	5.36	5.23	5.79	5.42	6.00
		Double]]	4.84	5.35	5.18	5.74	5.76	6.37	6.22	6.88	6.45	7.14
M-150/40	45.36	Simple [	4.37	4.83	4.68	5.18	5.20	5.75	5.61	6.21	5.82	6.44
		Double]]	5.19	5.74	5.56	6.16	6.18	6.84	6.67	7.39	6.92	7.66
M-150/50	52.39	Simple [	4.53	5.01	4.85	5.37	5.39	5.96	5.82	6.44	6.03	6.68
		Double]]	5.38	5.96	5.77	6.38	6.41	7.09	6.92	7.66	7.18	7.94

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