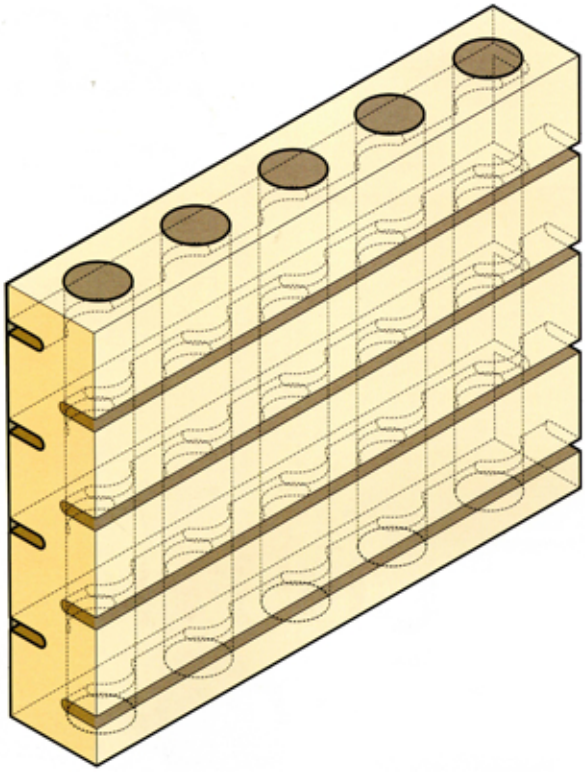
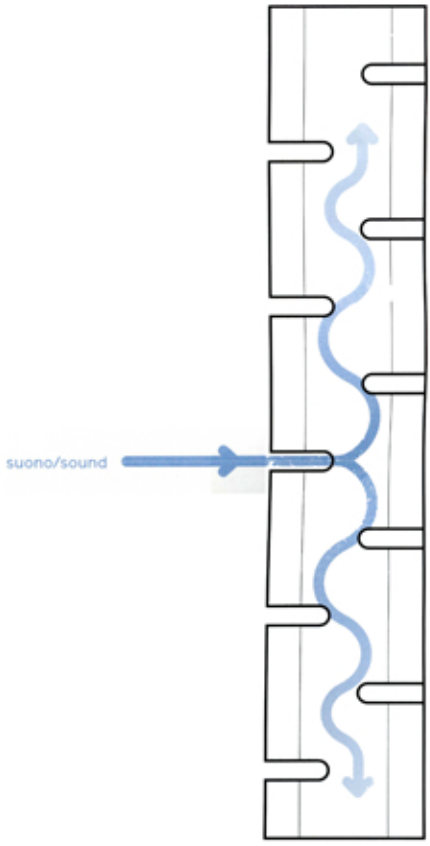
PANNELLO FONOASSORBENTE
SCHEMA DI DISSIPAZIONE SONORA



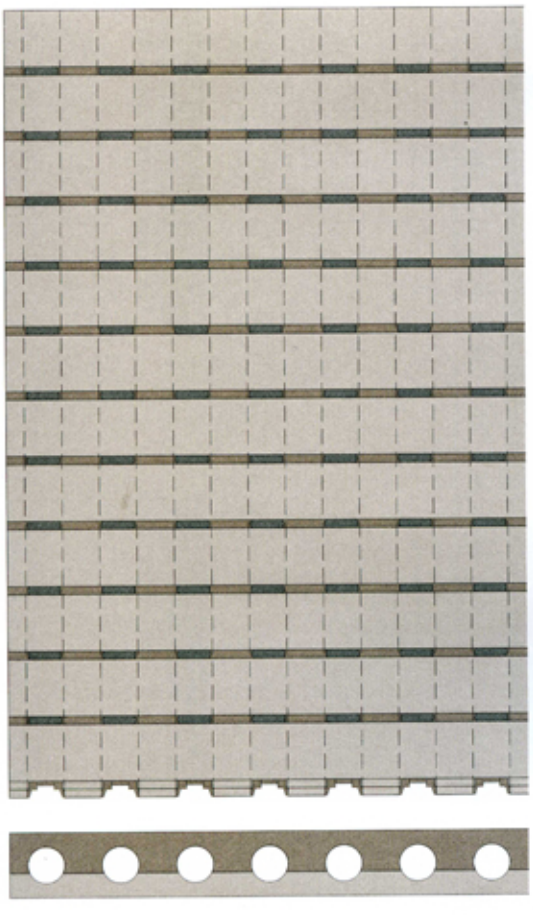


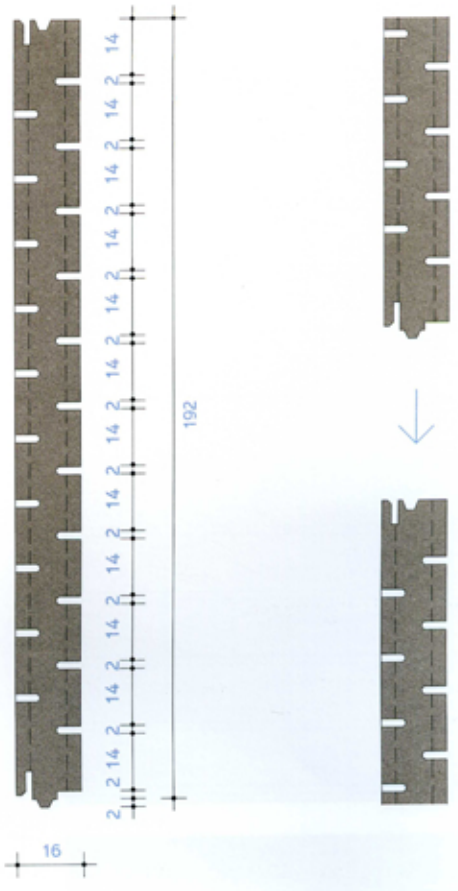
UNI EN ISO

Parete / Wall	Valutazione secondo UNI EN ISO 11654 e indicatori di forma: ∂_w = 0.35 (MH) ∂_w = 0.55 (M) con l'uso di lana minerale
Soffitto / Ceiling	Valutazione secondo UNI EN ISO 11654 e indicatori di forma: ∂_w = 0.50 (LH) ∂_w = 0.60 (L) con l'uso di lana minerale
Norme di riferimento / Reference standards	UNI EN ISO 11654 : 1998 UNI EN ISO 354 : 2003

DOGA

Il sistema è composto da doghe in MDF rivestite con i decorativi a catalogo. Le doghe sono forate perpendicolarmente allo spessore e intersecate da fresate sulle facce anteriore e posteriore. Le cavità formate dai fori e dalle fresate, assorbono il suono e lo dissipano all' interno del pannello realizzando uno straordinario confort acustico.





Dati tecnici

	Resistenza all' esposizione alla luce / Light-resistant	Resistenza al graffio / Scratch-resistant	Resistenza ai liquidi freddi / Resistant to cold liquids	Classe di reazione al fuoco / Fire-resistance classification	Formaldeide / Formaldehyde
Metodo prova / Test method	UNI EN ISO 187: 2007	UNI 14323	UNI 12720: 1997	EN 13501- 1: 2009	EN 120 EN 717 -2
Criterio o unità di misura / Criteria or test method	GRADO / DEGREE	N	VALUTAZIONE / EVALUATION	CLASSIFICAZIONE / CLASSIFICATION	CLASSIFICAZIONE / CLASSIFICATION
Risultato / Result	>4	≥ 1.5	≥ 4	B.s.3.d0	E1

Dati commerciali

Spessore totale in mm / Total thickness in mm	Peso in Kg/ml Weight in Kg/ml	Dimensioni in mm / Dimensions in mm	Densità in Kg/m³ Density in Kg/m³
16	1,909	3600 x 192 x 16	770 ± 7%

Voce di capitolato: sistema di controparete e controsoffitto composto da doghe, ottenute dalla sezionatura di un compound costituito da un supporto in MDF con una superficie decorativa esterna in laminato DPL, tranciato di vero legno o ecopelle, opportunamente controbilanciate. Le doghe sono fresate parallelamente al lato lungo su entrambe le facce (larghezza fresata 2.0 mm; passo 16.0 mm) e forate nello spessore perpendicolarmente alla fresate (diametro 9.0 mm) ottenendo una perforazione pari al 14.2% della superficie. Queste lavorazioni determinano l' ottenimento di un rivestimento fonoassorbente. La giunzione delle doghe è realizzata mediante un incastro maschio / femmina e il fissaggio a scomparsa sulla parete è ottenuto mediante un sistema di ancoraggio con profili ad H, clip in lamiera e profili di finitura in alluminio.

GRAFICO FONOASSORBENZA NELL'USO A PARETE CON INTERPOSIZIONE DI PANNELLO LANA DI ROCCIA

Grado di assorbimento sonoro medio alle basse frequenze (100-315 Hz):
δ_w 0.23

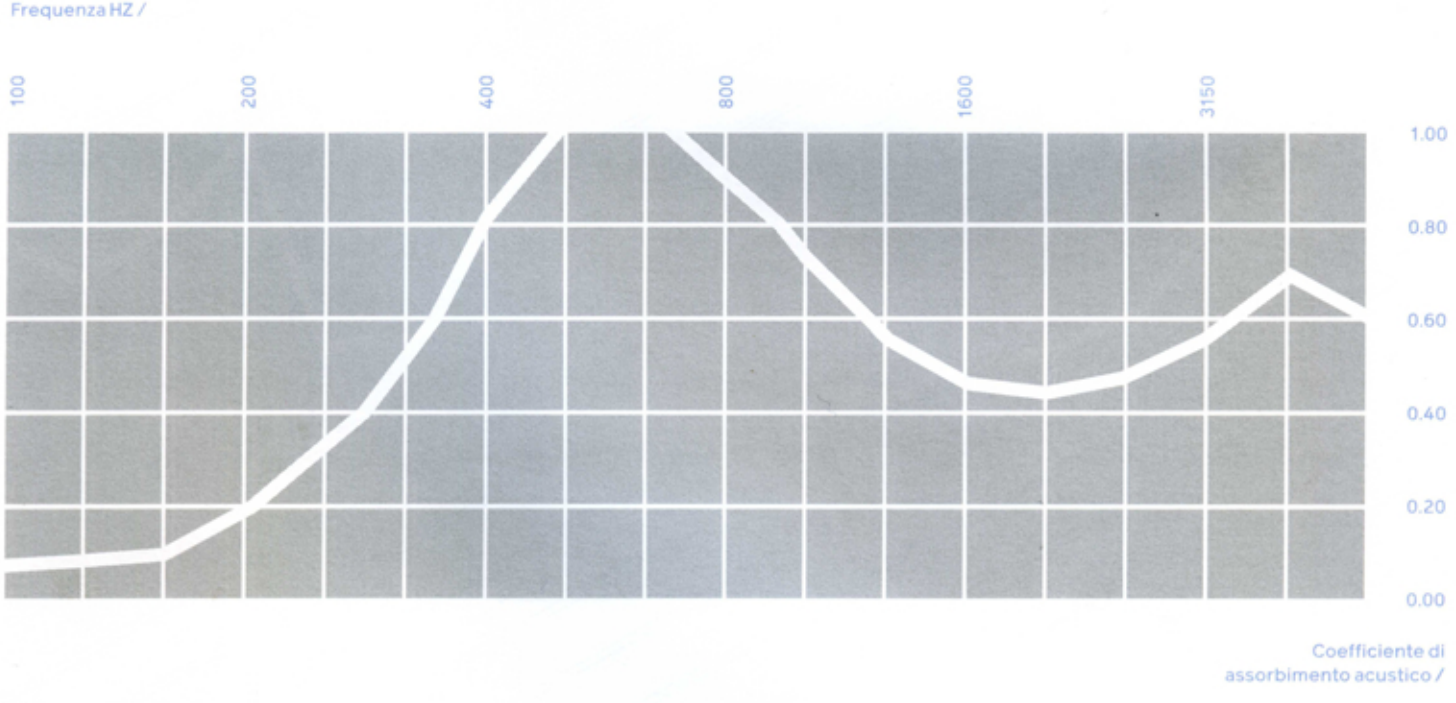
Grado di assorbimento sonoro medio alle medie frequenze (400-1250 Hz):
δ_w 0.85

Grado di assorbimento sonoro medio alle alte frequenze (1600-5000 Hz):
δ_w 0.53

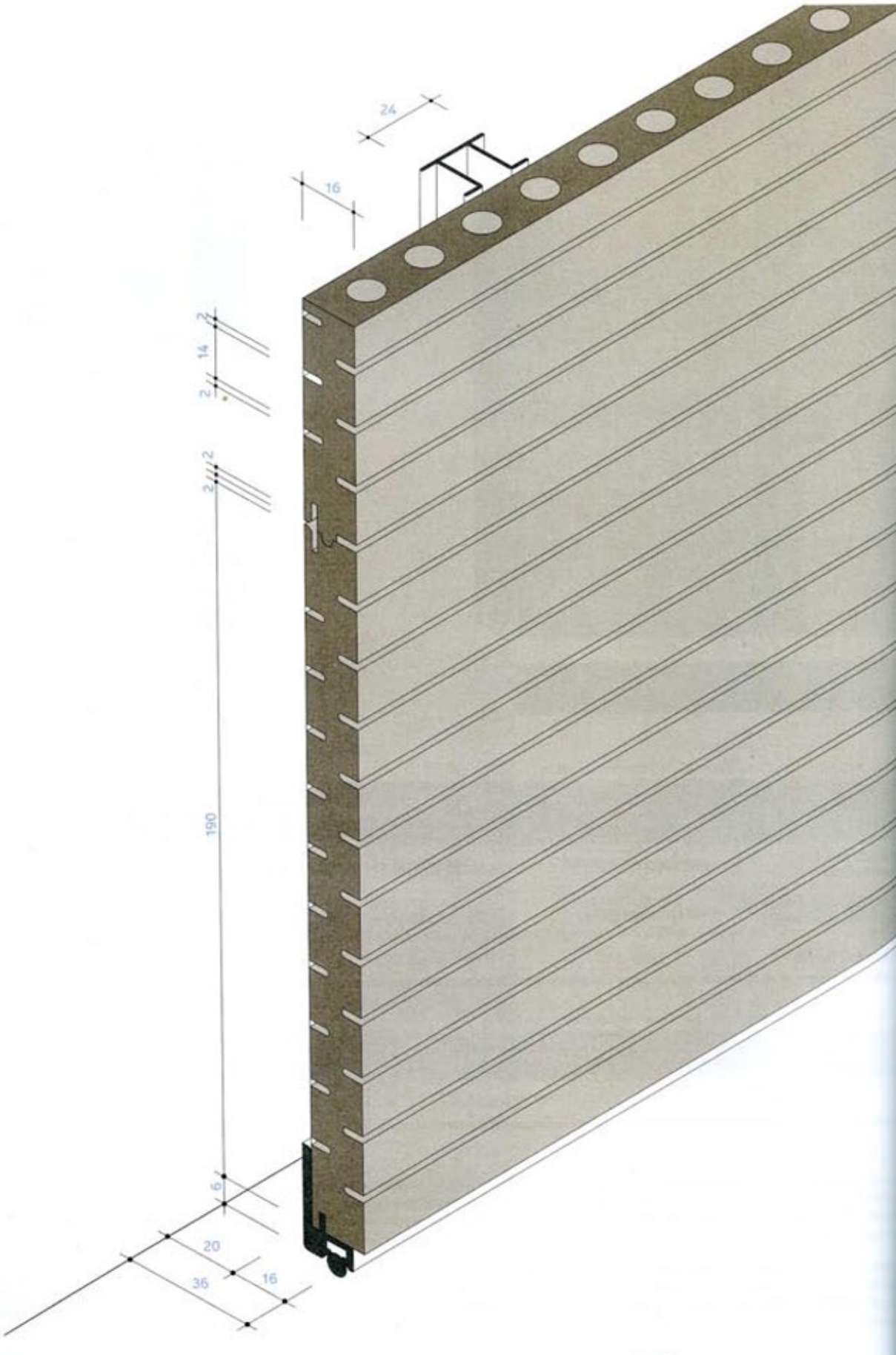
Grafico fonoassorbenza nell'uso a parete con interposizione di pannello lana di roccia.

Freq (Hz)	T1 (sec)	T2 (sec)	δ_S	δ_P
100	7.60	6.17	0.08	
125	6.43	5.30	0.09	0.10
160	6.76	5.37	0.11	
200	5.93	4.25	0.18	
250	5.86	3.54	0.31	0.35
315	6.01	2.82	0.52	
400	6.06	2.23	0.78	
500	5.83	1.85	1.01	0.95
630	5.64	1.80	1.04	
800	5.45	1.94	0.92	
1000	5.25	2.21	0.72	0.75
1250	4.96	2.46	0.56	
1600	4.62	2.59	0.46	
2000	4.27	2.58	0.42	0.45
2500	3.75	2.38	0.43	
3150	3.00	1.88	0.55	
4000	2.60	1.58	0.69	0.60
5000	2.03	1.42	0.60	

Valutazione secondo ISO 11654:
δ_w = 0.55 (M)

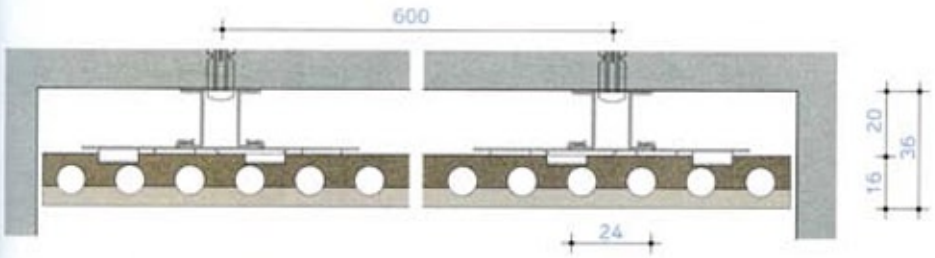


Parete
Wall

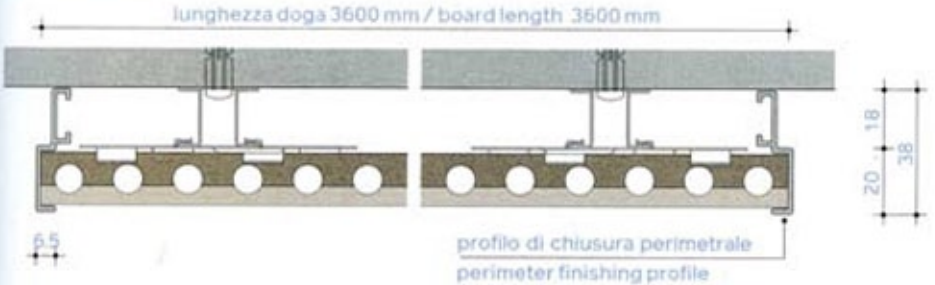


ESEMPI DI MONTAGGIO A PARETE

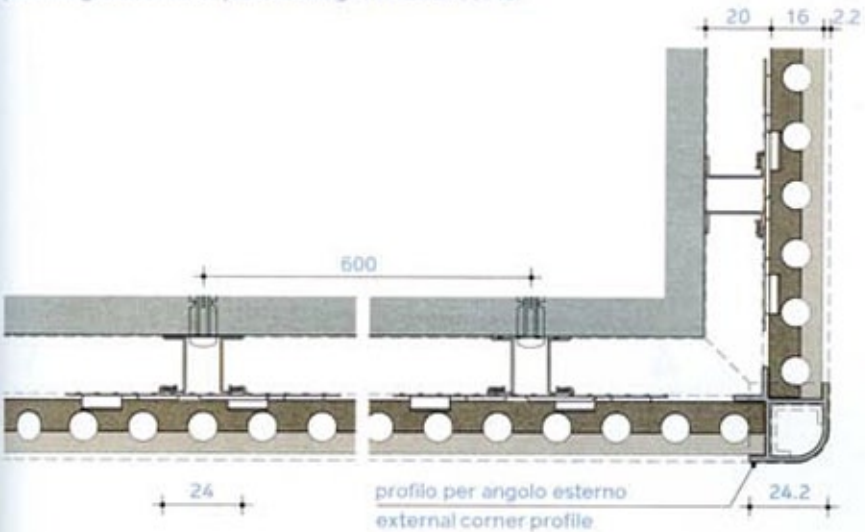
pianta installazione in nicchia / plan drawing of niche installation

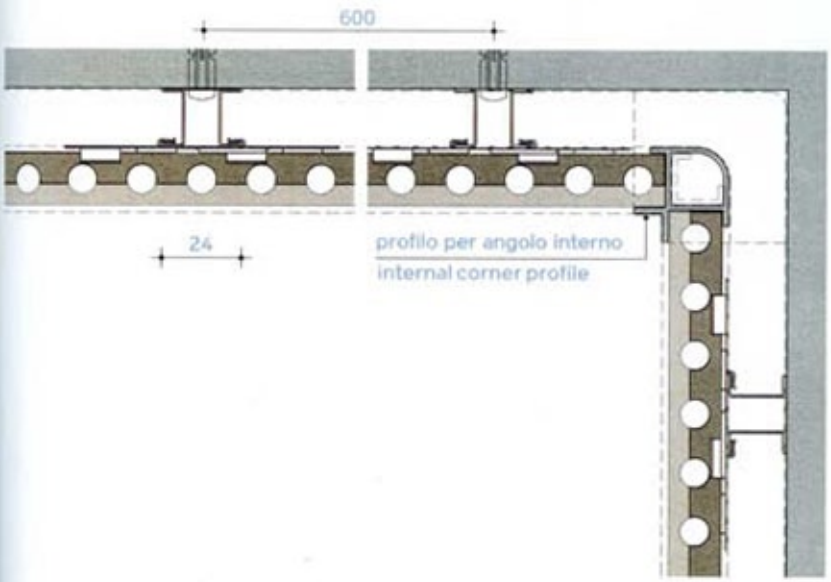


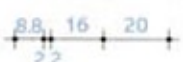
pianta installazione a parete / plan drawing of wall installation



pianta angolo esterno / plan drawing of external corner

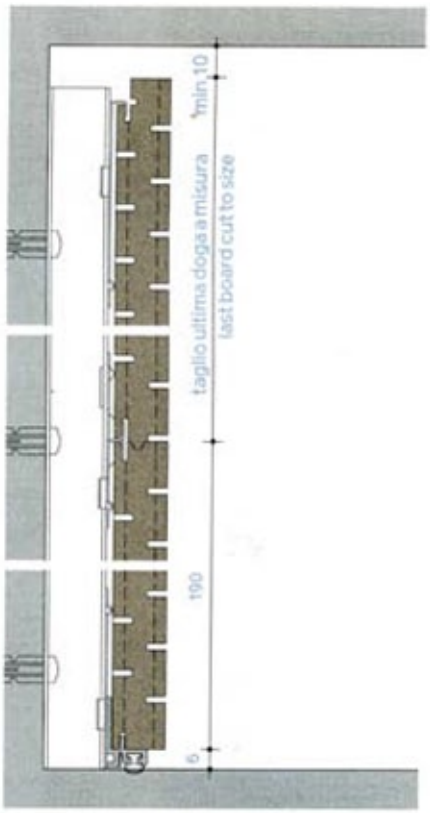




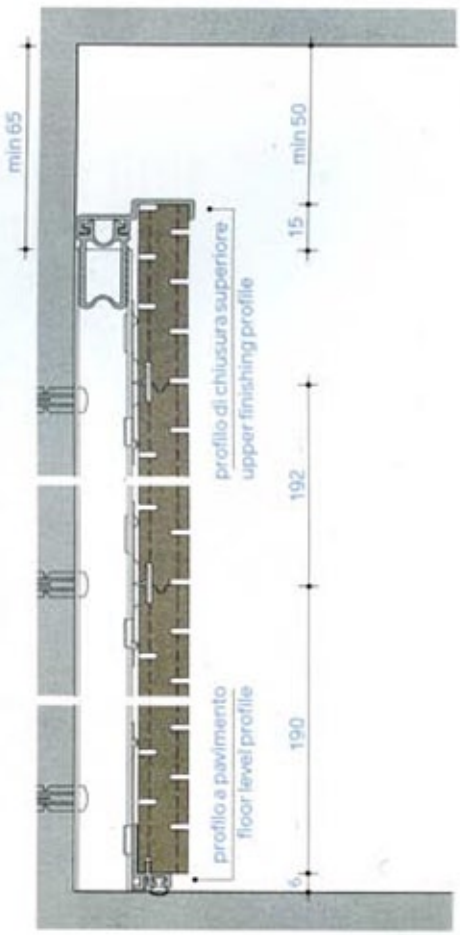


pianta angolo interno / plan drawing of internal corner

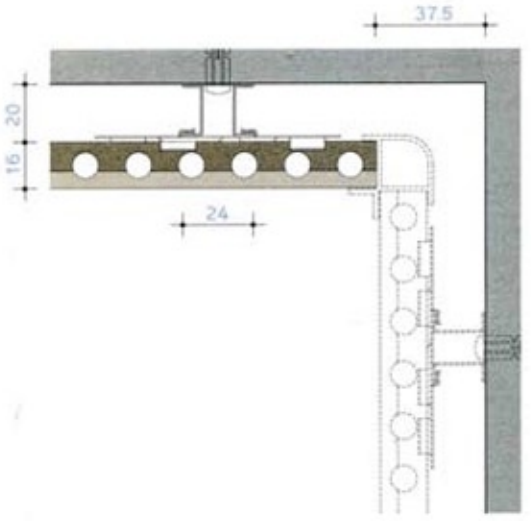
sezione senza profilo dichiusura superiore /
section drawing without upper finishing prof

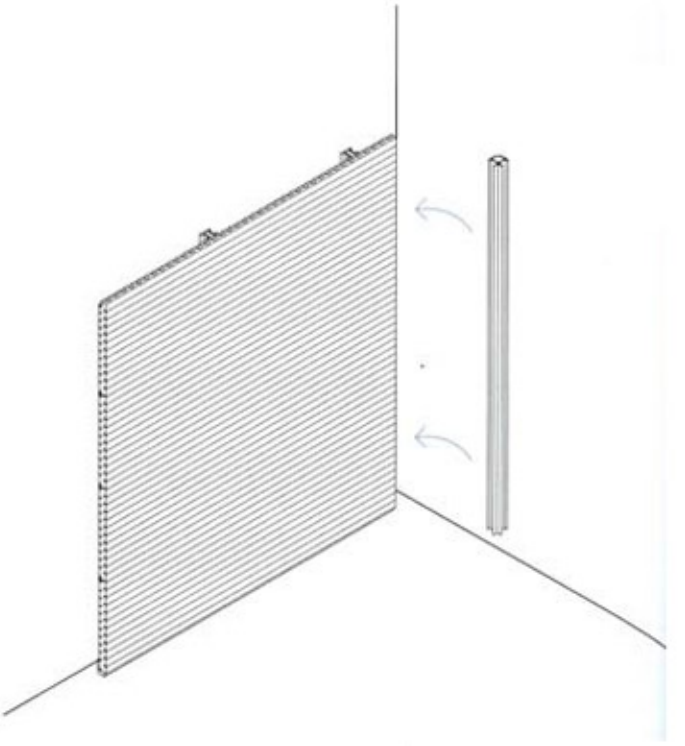


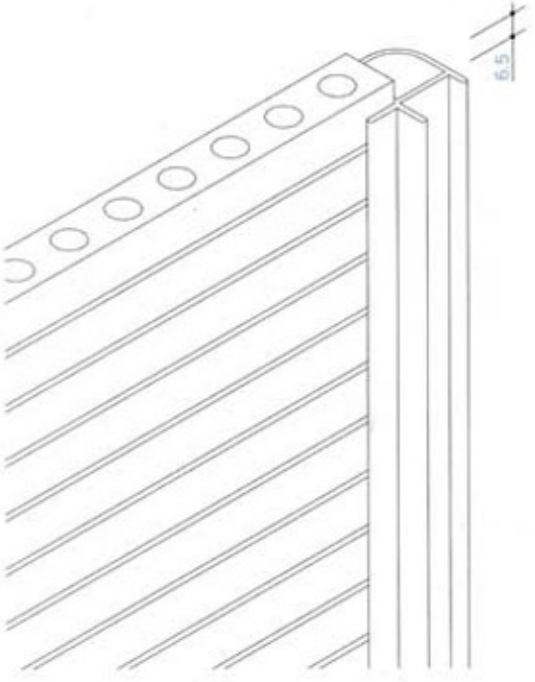
sezione con profilo di chiusura superiore /
section drawing with upper finishing profile

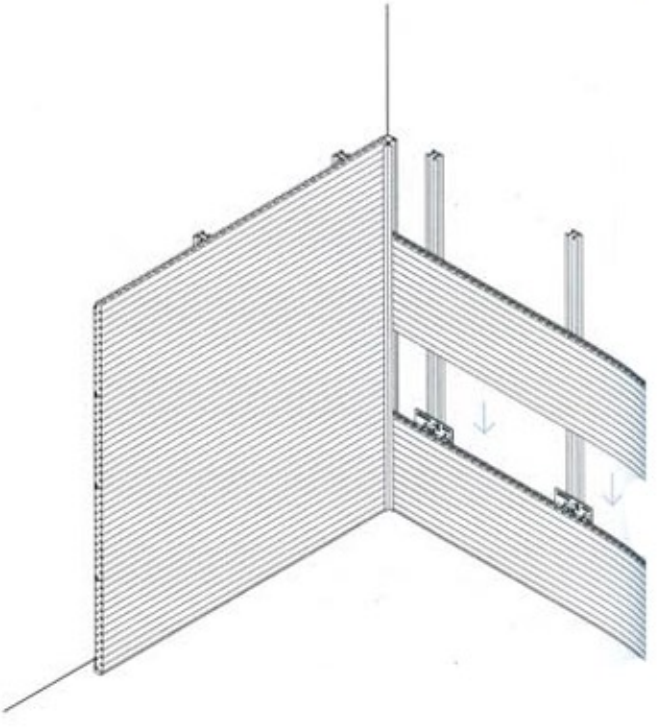


RIVESTIMENTO ANGOLO INTERNO

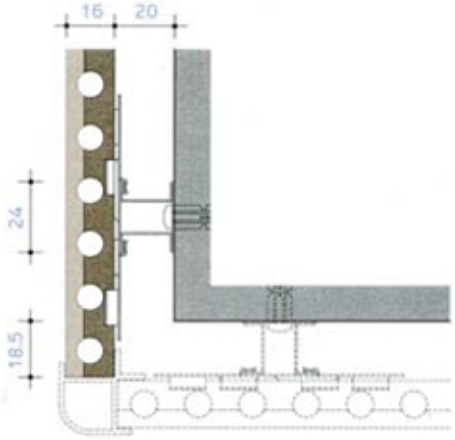


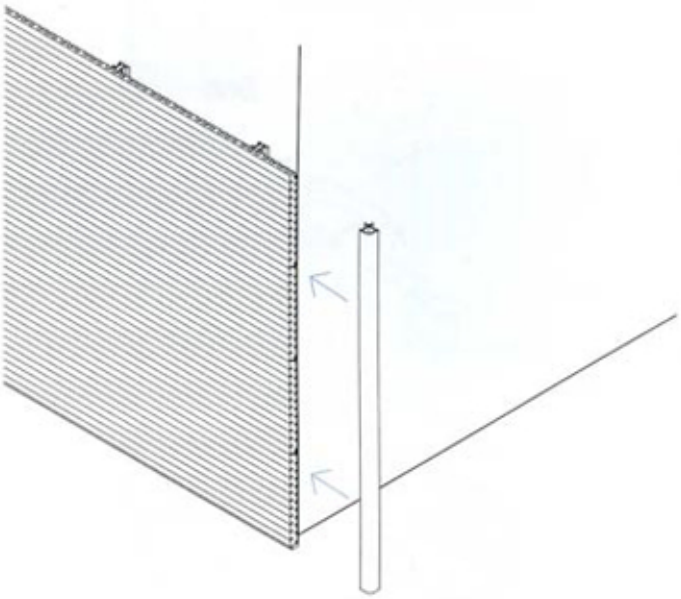


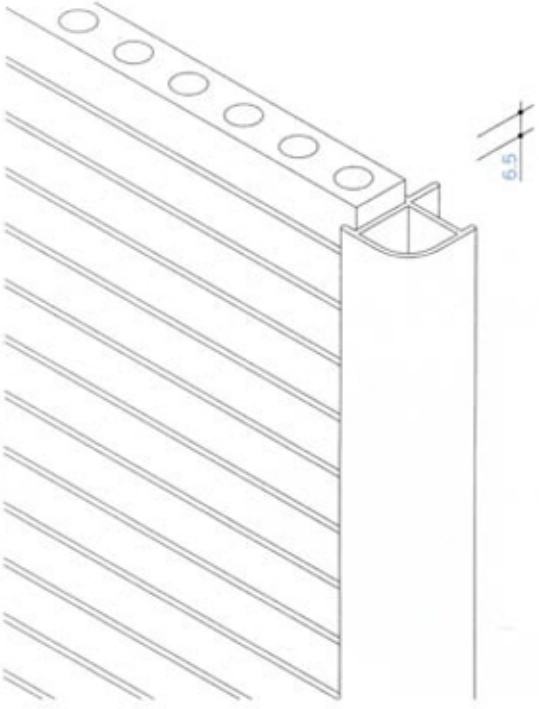


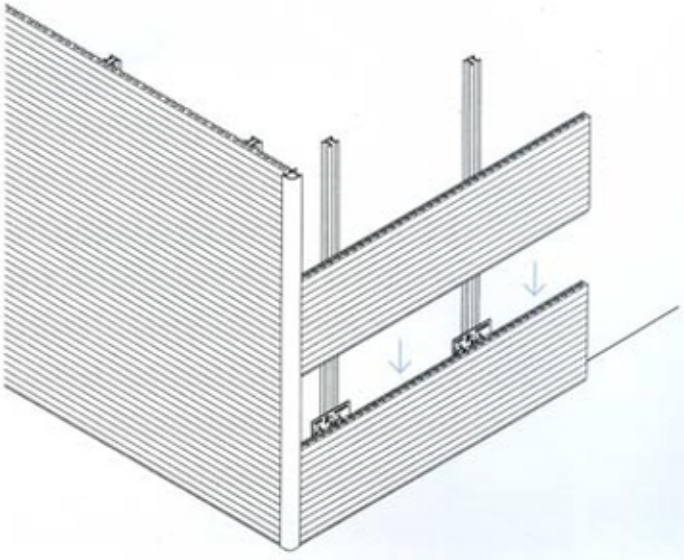


RIVESTIMENTO ANGOLO ESTERNO

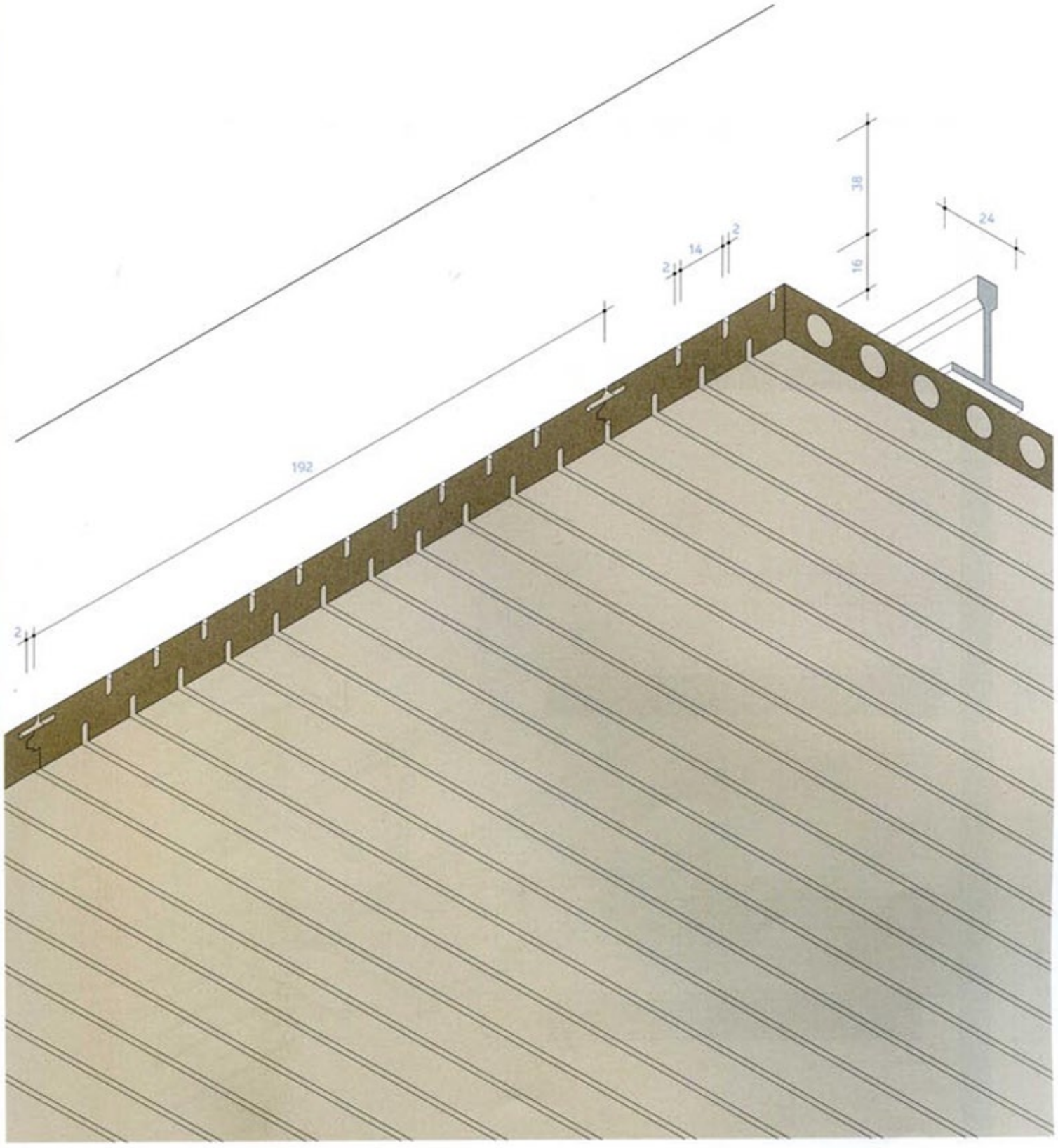




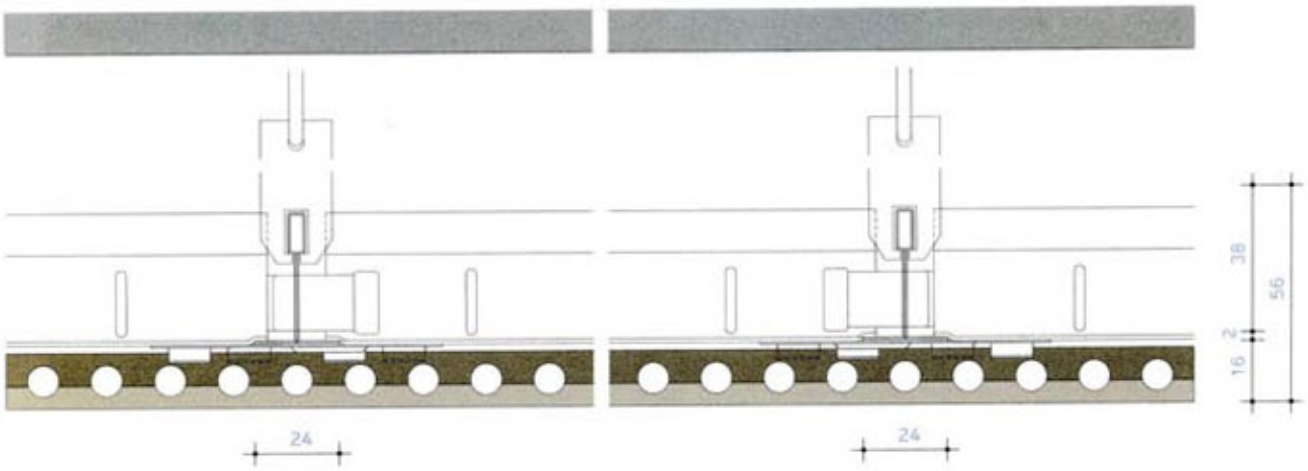


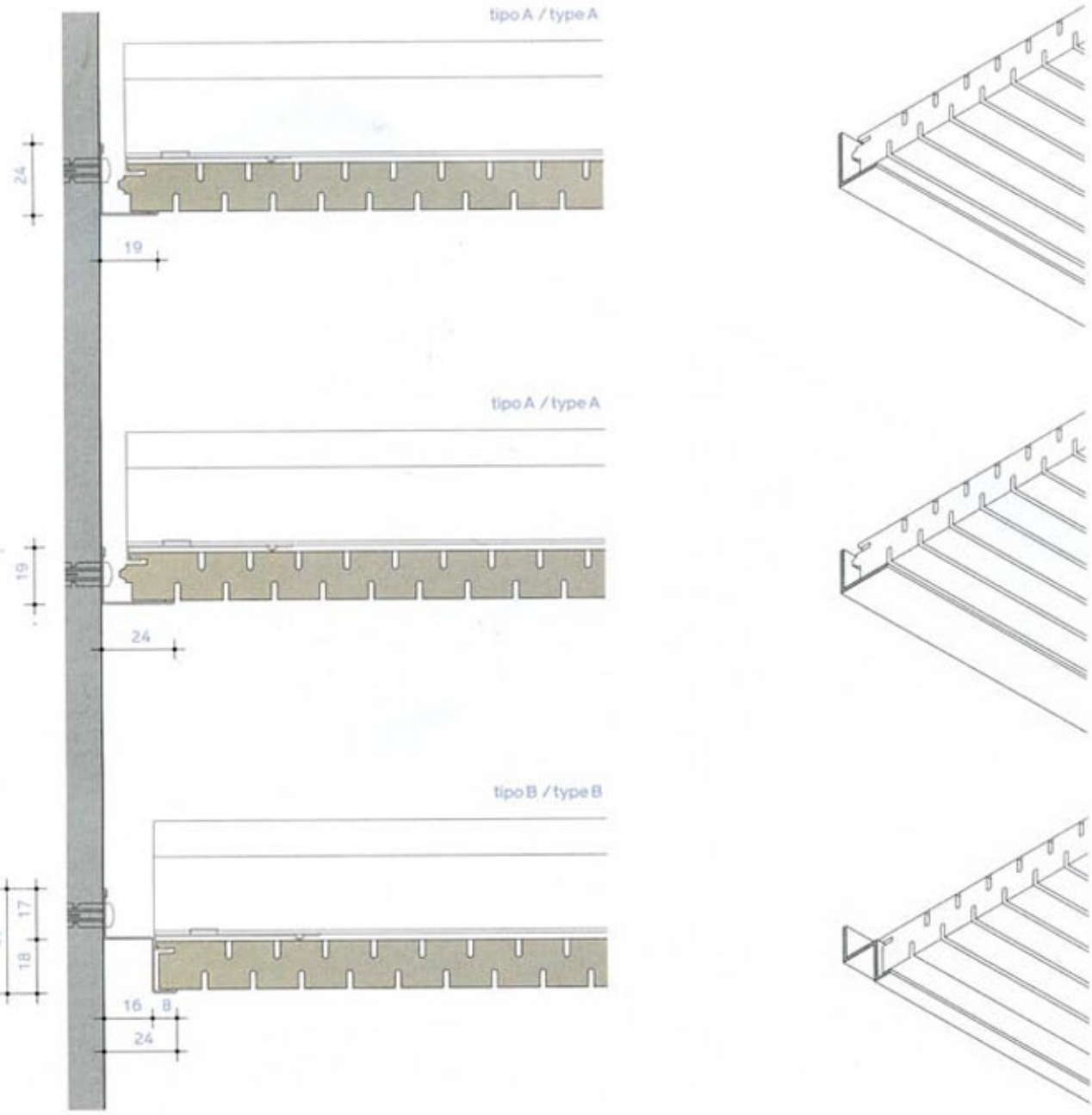


Soffitto
Ceiling

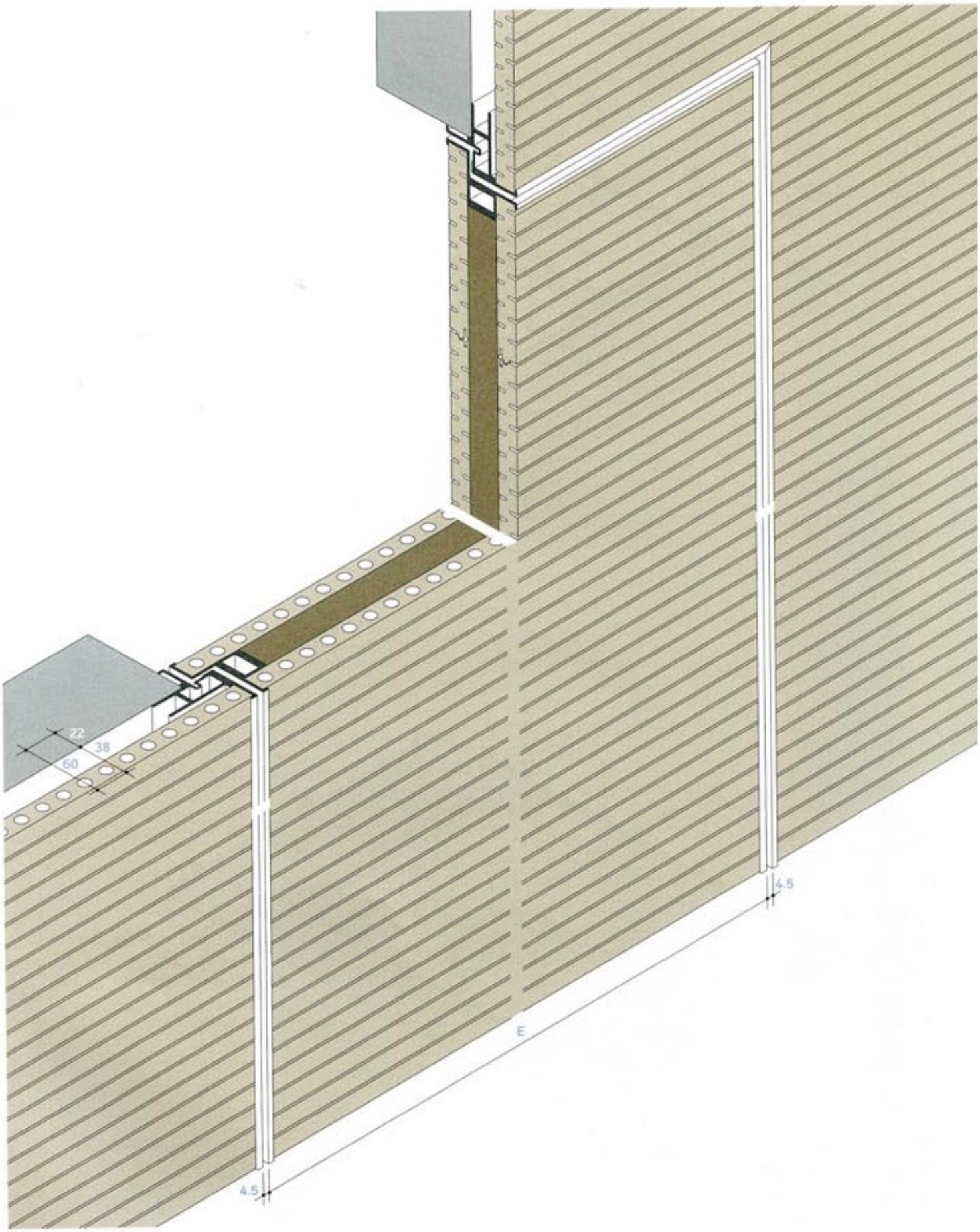


ESEMPIO DI MONTAGGIO A SOFFITTO



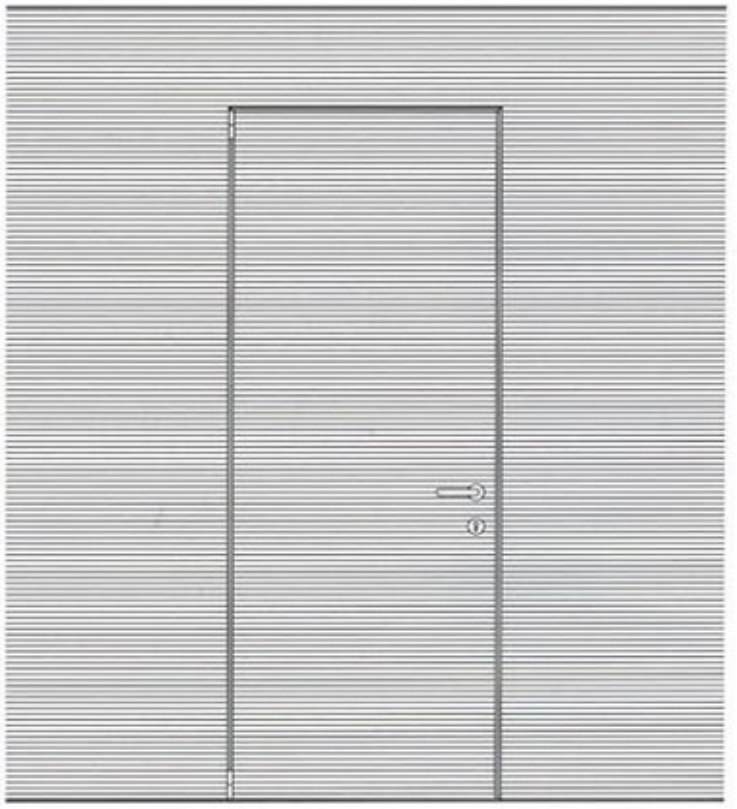


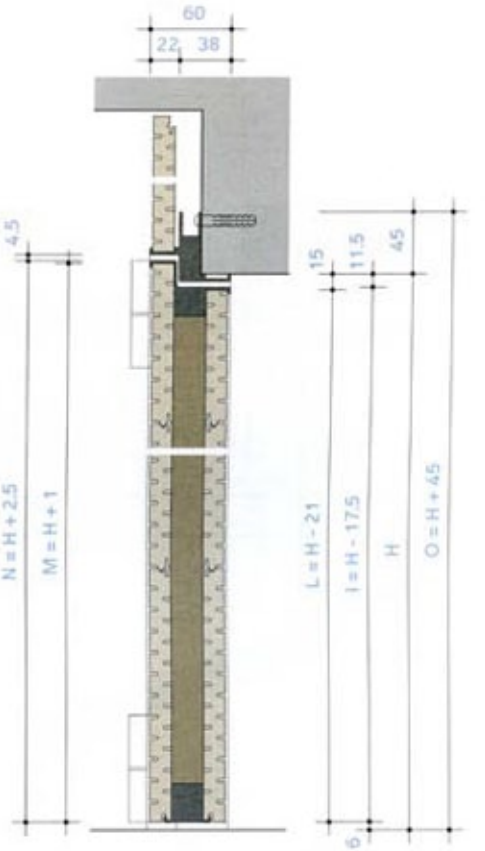
Porta battente
Hinged doors



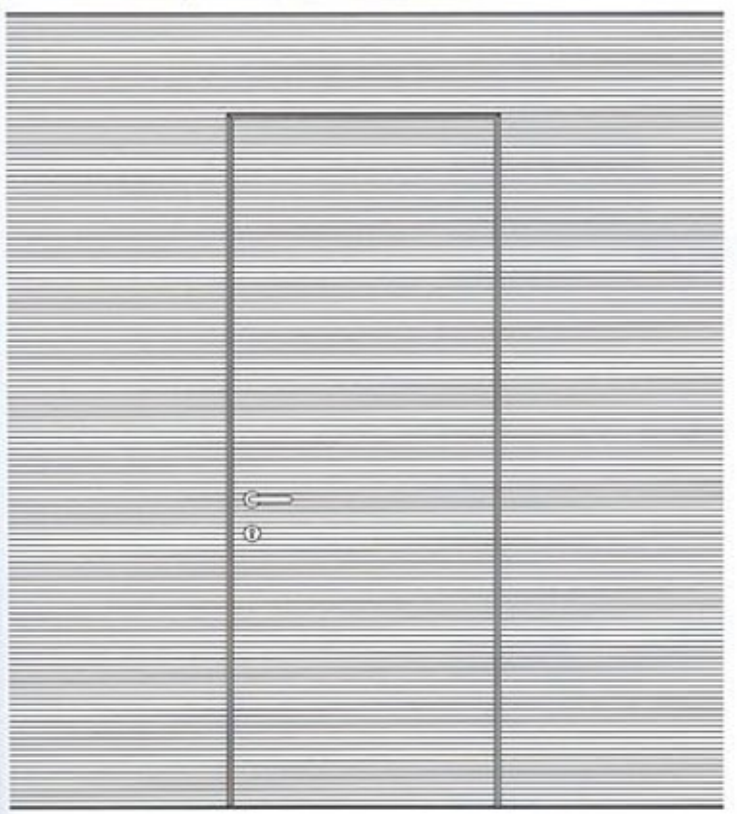
PORTE A FILO

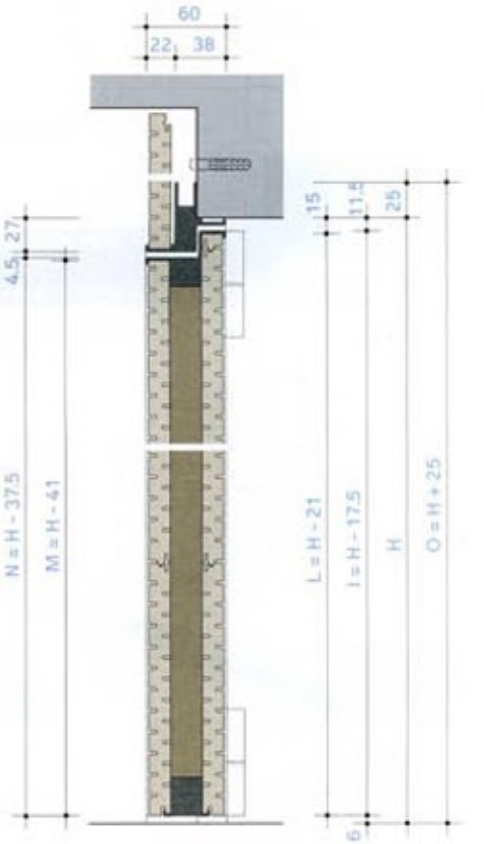
porta battente con apertura a tirare / reverse hinged door



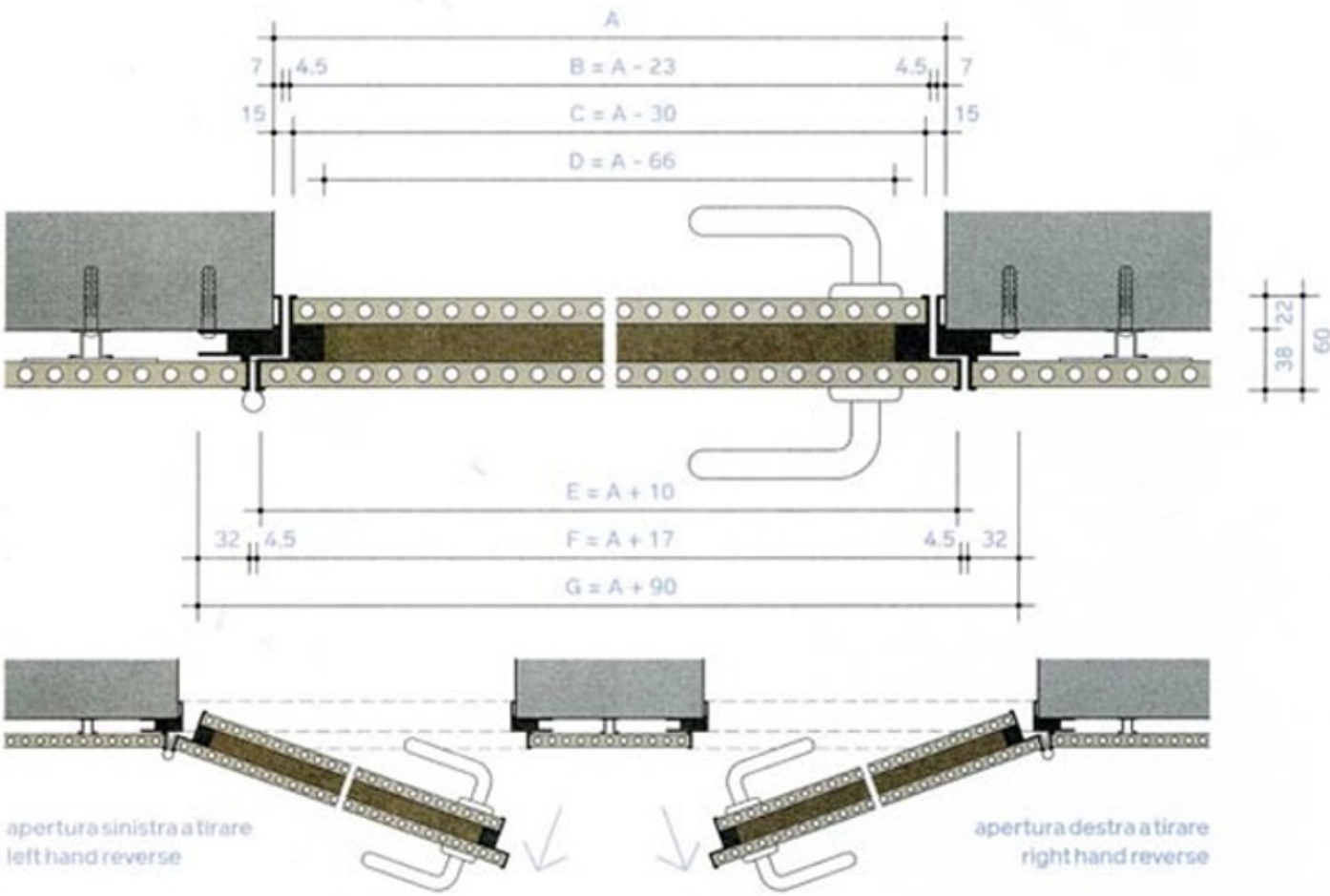


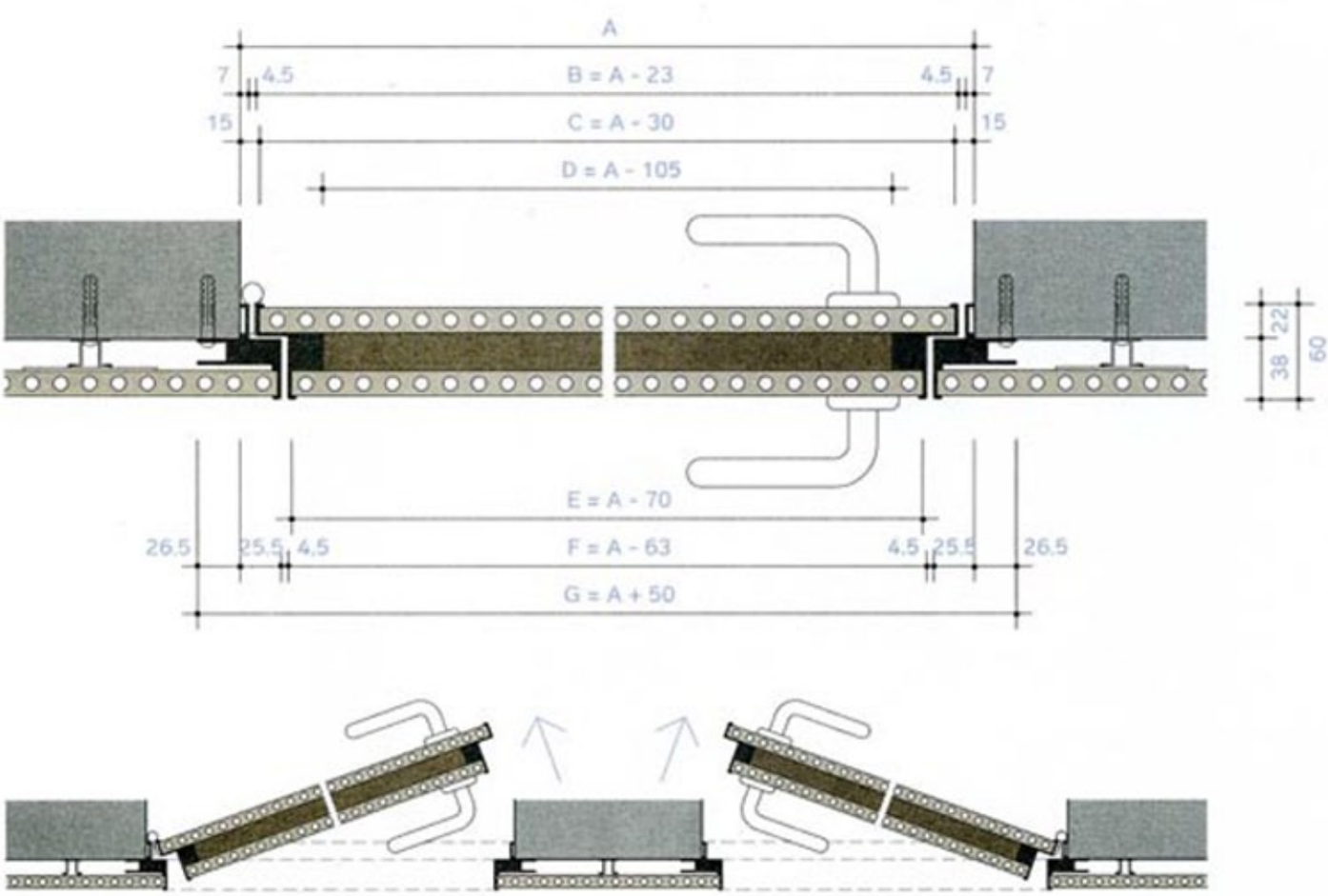
porta battente con apertura a spingere / hinged door





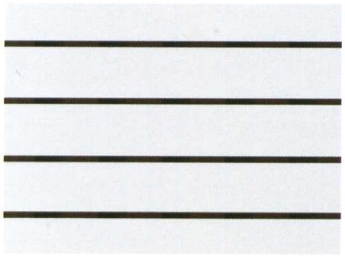
ESEMPI DI APERTURA PORTE



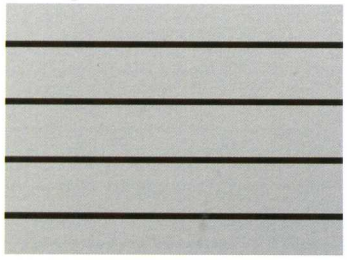


Basic

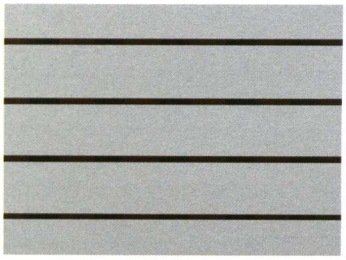
110 Ghiaccio



510 Grigio chiaro



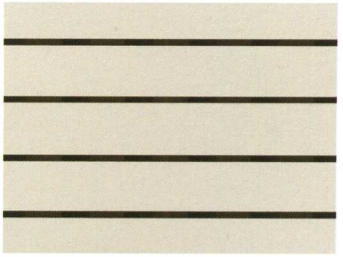
710 Silver



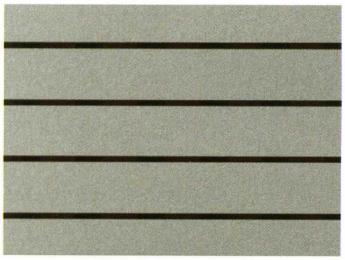
720 Rovere Europa

120 Ciliegio America

210 Panna



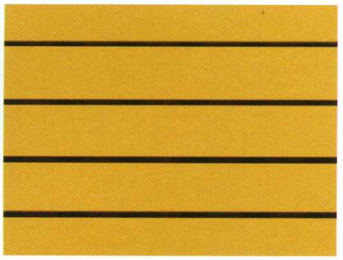
1010 Alluminio satin



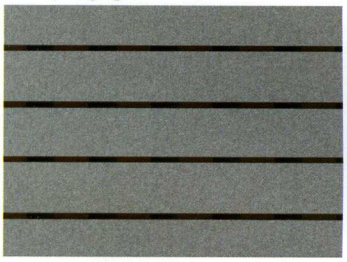
820 Faggio tavolato

320 Noce

310 Giallo Africa



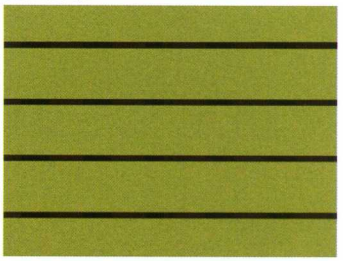
610 Spot grigio



420 Rovere

520 Rovere grigio

910 Verde

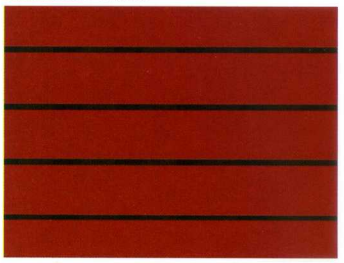


810 Grafite

220 Betulla

620 Rovere moro

410 Rosso fuoco

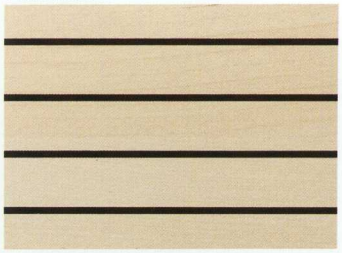


Special

Wood

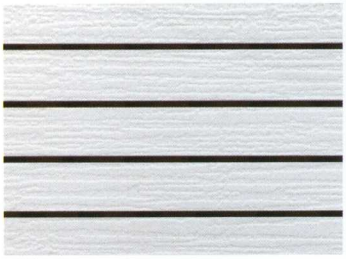
Leather

140 Acero



240 Rovere chiaro

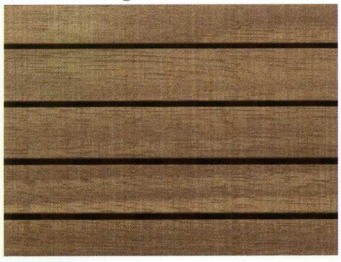
130 Bianco muro



340 Teak

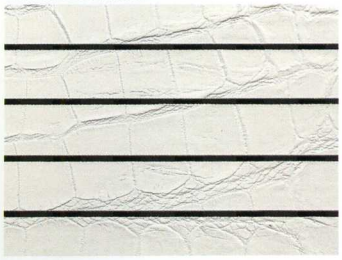
230 Frassino

430 Rovere rigato



440 Rovere Tabacco

150 Croco white

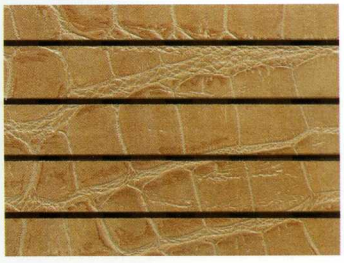


330 Rovere texas

630 Larice groc

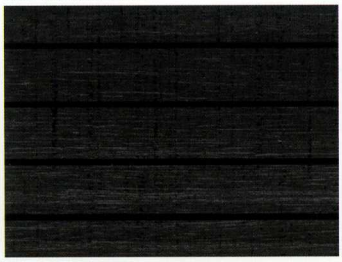
540 Rovere grigio

250 Croco colonial



730 Rovere greige

530 Rovere nero



640 Rovere Wengè

350 Croco black