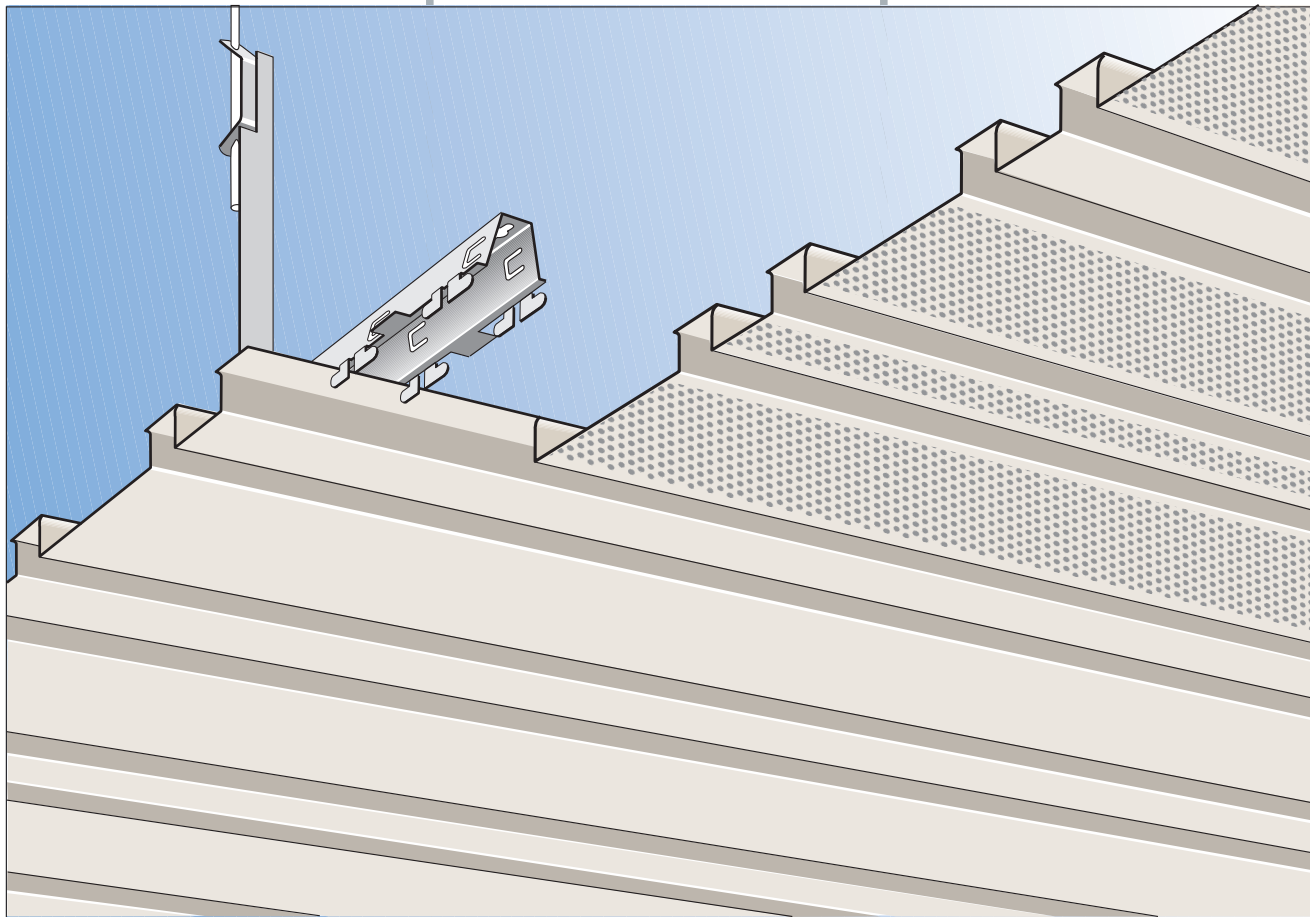


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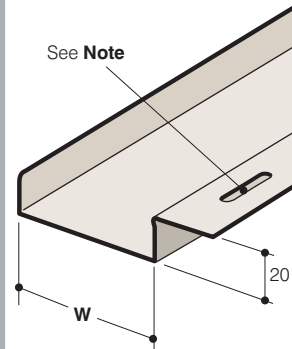
Fermulam H20

LINEAR METAL STRIP CEILING RANGE
(Integral closed joint system)

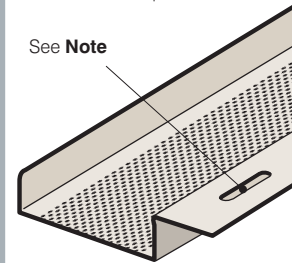


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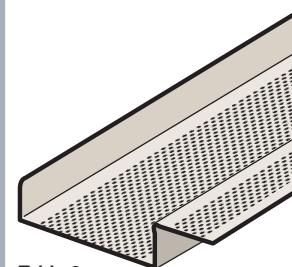
1 Cold roll formed aluminium or zinc coated mild steel in thicknesses shown in Table 2.
Colours: standard as colour chart.
Special finishes: subject to minimum order quantity.
Standard finish: stove enamel polyester paint in matt, semi gloss or full gloss (see colour chart).
Standard length: to order between 1000mm min. and 5800mm max.



Plain (non perforated) profiles..
Note
Produced with 6mm x 22mm slots at 59mm centres for air distributing ceilings.



Profile soffit perforated only.
Note
Produced with 6mm x 22mm slots at 59mm centres for air distributing ceilings.

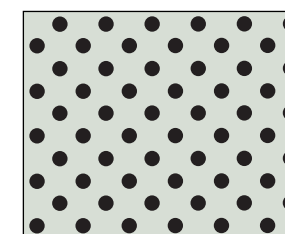
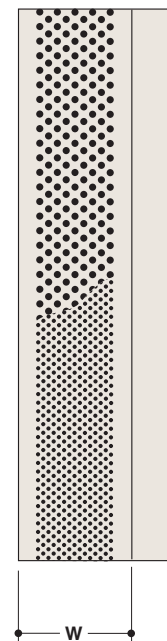


Profile soffit and projecting leg perforated.
ALL PERFORATED PROFILES TO HAVE BLACK TISSUE LINING BONDED TO THEIR REAR SURFACES.

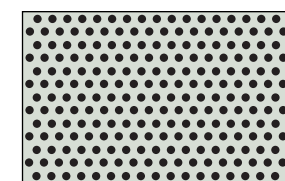
Table 2 Legend

W = profile width mm
Al = aluminium thickness mm
H = profile height mm.
St = mild steel thickness mm.

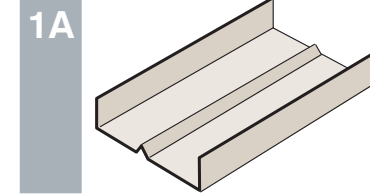
Ref.	W	H	Al	St
F30H-20	30	20	0.5	0.3
F80H-20	80	20	0.5	0.4
F130H-20	130	20	0.6	0.4
F180H-20	180	20	0.6	0.5



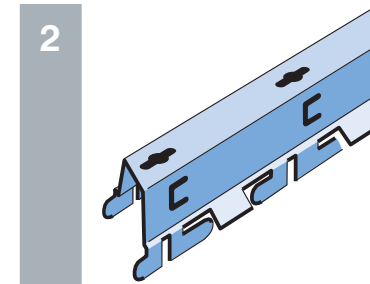
STANDARD PERFORATION
2mm diameter holes on diagonal grid. 15% open area.



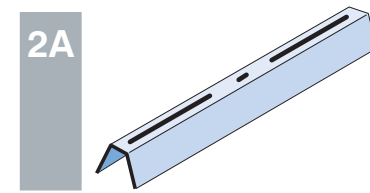
MICRO PERFORATION
1.3mm diameter holes on diagonal grid. 22% open area.



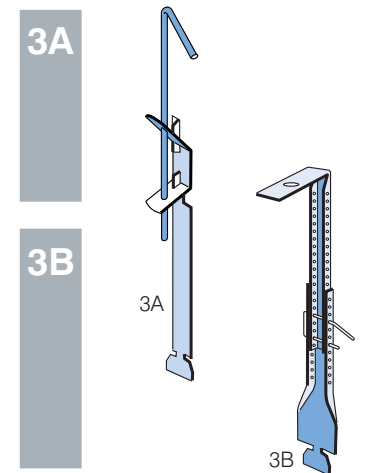
1A Splice channels for FERMULAM H20 profiles, 125mm long, metal as profile.



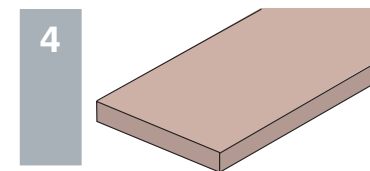
2 OMEGA carriers in cold roll formed 0.8mm thick aluminium or 0.6mm thick galvanised mild steel. Tongue spacings to suit 50mm and 50mm multiple modules.
Standard finish: matt black polyester stove enamel paint.
Standard lengths: 4000mm
Overall size: 25mm deep x 53mm wide.



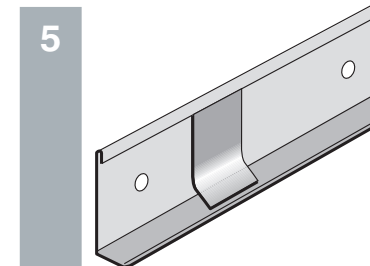
2A Channel coupler for OMEGA carriers in 0.6mm thick galvanised mild steel.
Length: 200mm.
Finish: as carrier.



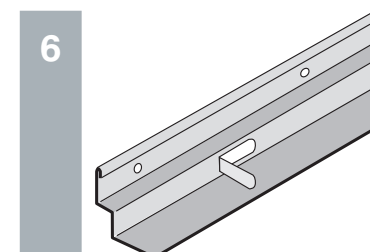
3A Butterfly suspension key hangers in 1.5mm thick galvanised mild steel, with spring clips and 4mm dia. rod.
Standard length: various between 125mm min. and 1000mm max. ceiling void depths.
3B VERNIER hanger upper section in 1.0mm thick galvanised mild steel, paint finished with 1.25mm thick galvanised mild steel bracket and 2.5mm dia. steel looped security pin.
Standard length: 2000mm upper section VERNIER hanger has section edges vee notched to provide 'easy break' positions at 62mm centres.



4 Standard 25mm thick 45kg/m³ density rockwool or 20kg/m³ density glasswool both with black tissue face.
Also available encased in polyethylene, pvc or aluminium foil.



5 Perimeter angle trim in cold roll formed 0.7mm thick aluminium or 0.6mm thick galvanised mild steel.
Standard finish: white or black semi gloss stove enamel polyester paint.
Standard length: 4000mm.
Overall size: 40mm deep x 20mm wide.



6 Perimeter shadow line angle trim in metal finish and lengths as (5)
Overall size: 44mm deep x 36.5mm wide. Shadow gap width = 12.5mm.

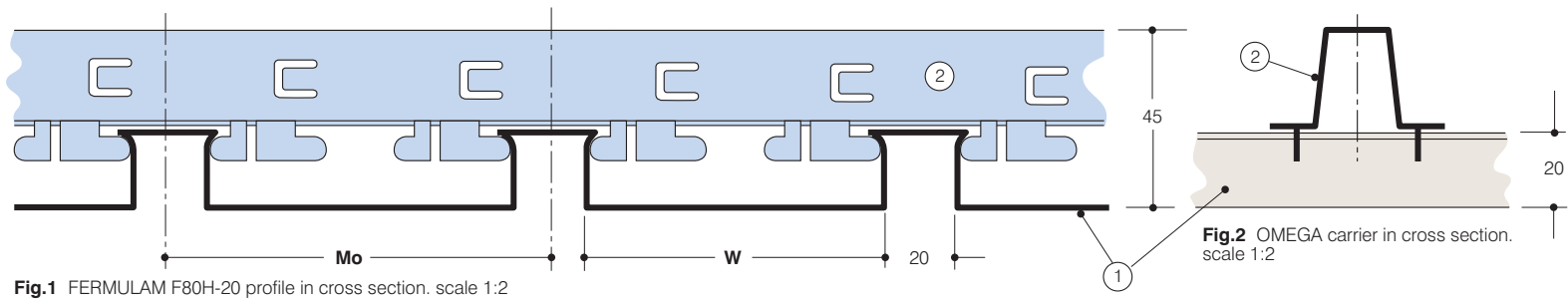


Fig.1 FERMULAM F80H-20 profile in cross section. scale 1:2

Fig.2 OMEGA carrier in cross section. scale 1:2

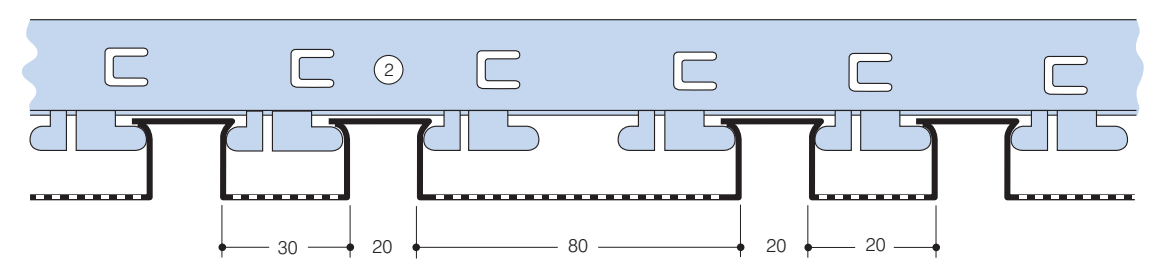


Fig.6 F30H-20 + F80H-20 = [Mo=50] + [Mo=100]

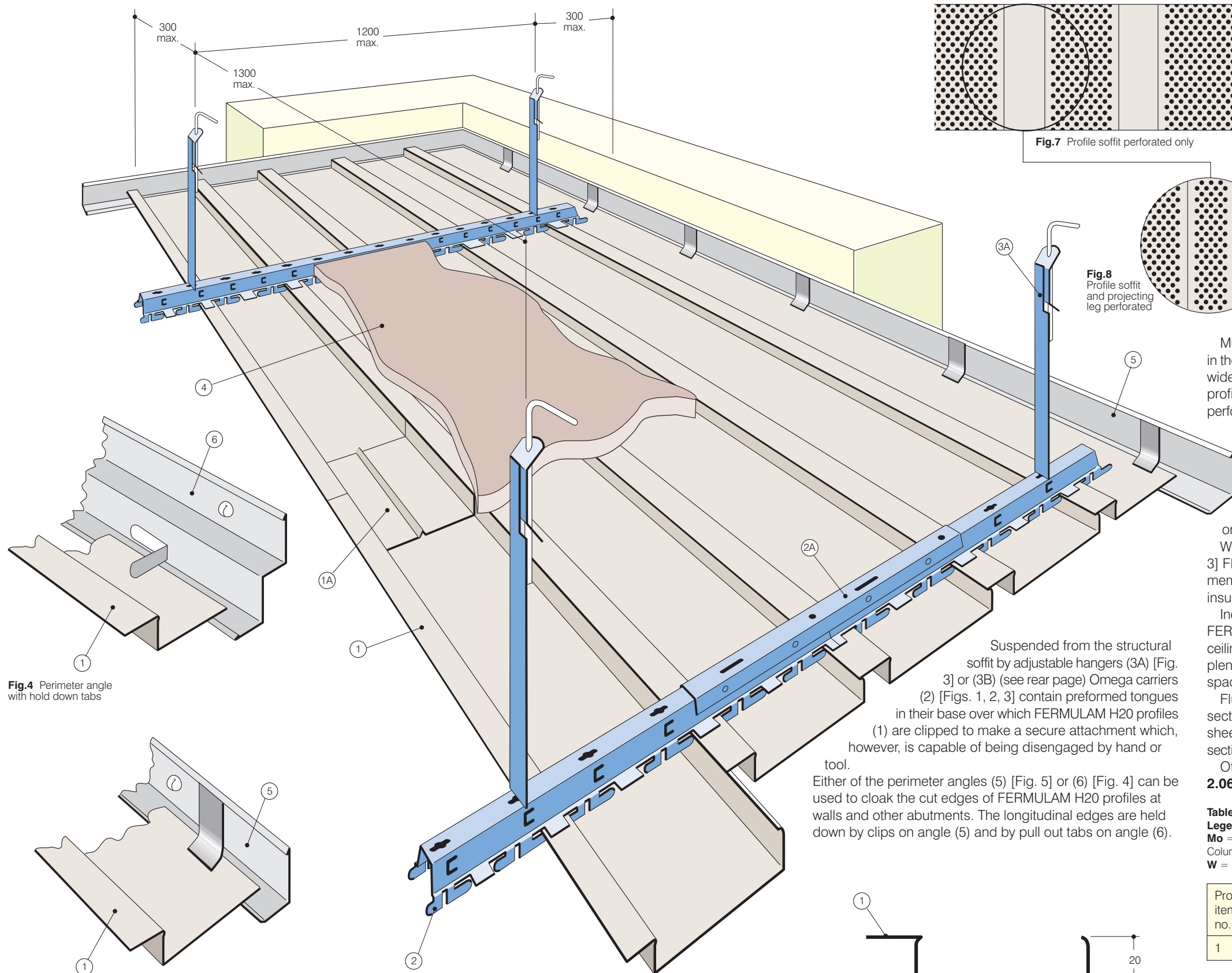


Fig.4 Perimeter angle with hold down tabs

Fig.5 Perimeter angle with hold down clips

Fig.3 FERMULAM F80H-20 ceiling assembly with span data

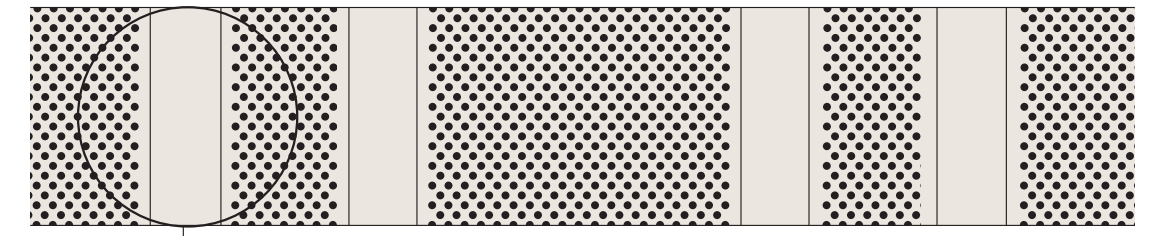


Fig.7 Profile soffit perforated only

Fig.8 Profile soffit and projecting leg perforated

Manufactured from light gauge aluminium or mild steel strip, the FERMULAM H20 square edge profiles (1) [Fig. 9] are fixed as shown to create demountable linear interior ceilings. Four widths (W) of profile are offered to facilitate the range of ceiling modules (Mo) [Fig. 1] seen in Table 1.

Multi-module ceilings can be made by mixing different profiles in the same assembly [Fig. 6], all combinations featuring 20mm wide continuous closed reveal joints integrally formed by the profiles' horizontal projecting leg. Supplied in plain (non-perforated) metals or in either of two perforated patterns shown on the rear page, the soffit only of the profile is perforated [Fig.7] or soffit and projecting leg [Fig. 8].

FERMULAM H20 profiles are available in a selection of standard colours using stove enamel paint finishes as listed in the company's colour chart, including reflective or mirror finishes. Special finishes are subject to minimum order quantity.

When overlaid with inert fibrous insulation material (4) [Fig. 3] FERMULAM H20 ceilings act as sound absorbent membranes. Plain profiles thus overlaid provide thermal insulation only.

Incorporating slots into the projecting leg of profiles (1) allows FERMULAM H20 installations to function as air distributing ceilings, passing air through the slots from a pressurised ceiling plenum. Sealed insulation material (4) must be used in the space between the slotted joints.

Fluorescent lighting fittings and spotlights are featured in section 6 of our technical manual, ceiling access panels on sheet 7.03. Please note that certified performance data are in section 8 and typical specification layout is on element 2.21/06/2.

Other FERMULAM products are featured on sheets 2.06, 2.06/1, 2.12, 2.12/1, 2.13 and 2.13/1.

Table 1 FERMULAM H20 range of linear ceiling profiles.

Legend
Mo = ceiling module mm.
Column entries are FERMULAM H20 profile codes no's where
W = 30-80-130-180.

Profile item no.	Mo = 50	Mo = 100	Mo = 150	Mo = 200
1	F30H-20	F80H-20	F130H-20	F180H-20

Suspended from the structural soffit by adjustable hangers (3A) [Fig. 3] or (3B) (see rear page) Omega carriers (2) [Figs. 1, 2, 3] contain preformed tongues in their base over which FERMULAM H20 profiles (1) are clipped to make a secure attachment which, however, is capable of being disengaged by hand or tool.

Either of the perimeter angles (5) [Fig. 5] or (6) [Fig. 4] can be used to cloak the cut edges of FERMULAM H20 profiles at walls and other abutments. The longitudinal edges are held down by clips on angle (5) and by pull out tabs on angle (6).

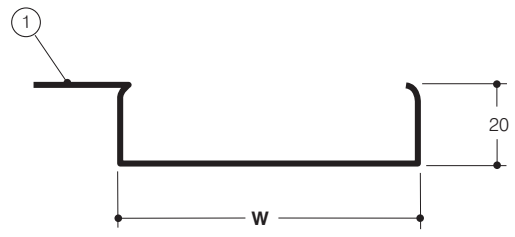


Fig.9 FERMULAM F80H-20 profile

Fermulam H20