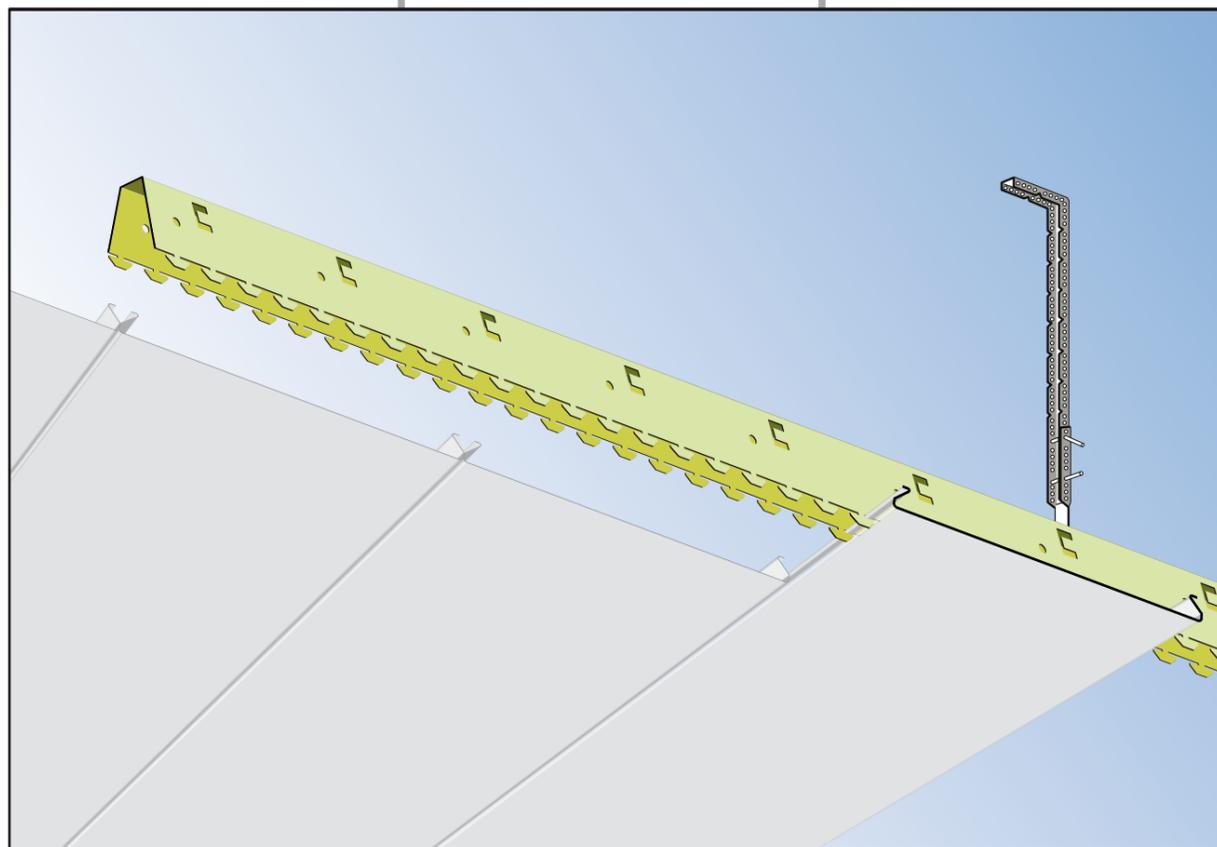
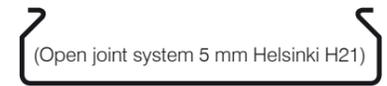
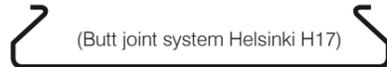




NordProfil

Helsinki

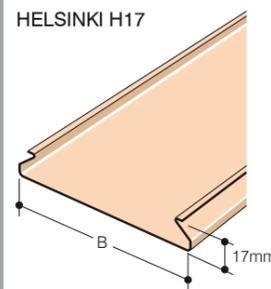
LINEAR METAL STRIP CEILING



Nord Profil Deutschland GmbH & Co. KG
Meteler Stiege 51-57
48565 STEINFURT
Germany
Tel.: (+49)-2551 864 600
Fax: (+49)-2551 864 6020
E-mail: info@nordprofil.com
Internet: www.nordprofil.com

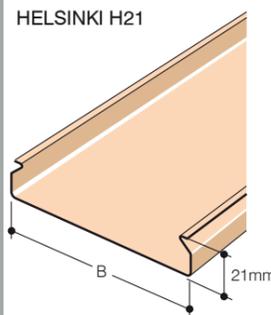
1

HELSINKI H17



Cold roll formed aluminium or zinc coated mild steel in sizes and thicknesses shown in Table 1. Standard finish: stove enamel polyester paint in matt, semi gloss or full gloss (see colour chart).
Colours: standard as chart no's:
901 : white RAL 9010 matt
18 : silver metallic RAL 9006 semi gloss
Special finishes: subject to minimum order quantity.

HELSINKI H21



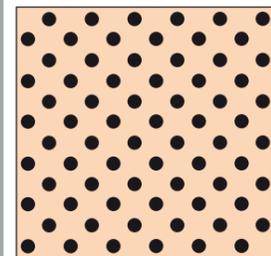
Standard length: to order between 1000 mm min. and 5800 mm max. without extra cost.

Material thicknesses:
AL thicknesses between 0,5 - 0,7 mm
ST thicknesses between 0,4 - 0,6 mm (detailed specification upon request)

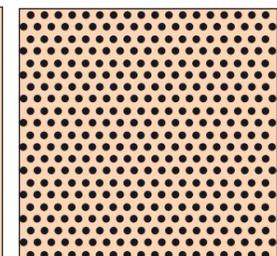
Table 1: Profile widths

H17	B = 50 - 100 - 150 - 200 - 250 - 300
H17	B = 75 - 125 - 175 - 225 - 275
H21	B = 70 - 120 - 170 - 220 - 295

H = profile height in mm W = profile width in mm



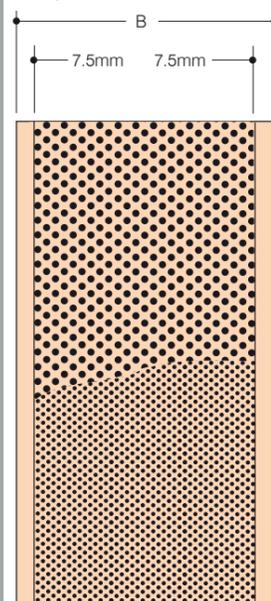
STANDARD PERFORATION
(zonal) 2mm diameter holes on diagonal grid. 17% open area.



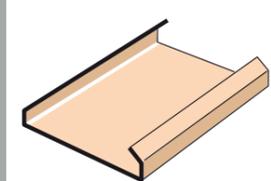
MICROPERFORATION
(zonal) 1.3mm diameter holes on diagonal grid. 25% open area.

Perforated profiles to have black tissue lining bonded to rear of profile.

H17 / H21

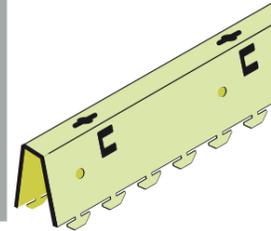


1A



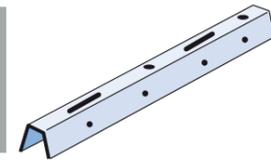
Splice channels for HELSINKI H17 and H21 profiles, 125 mm long, metal as profiles.

2



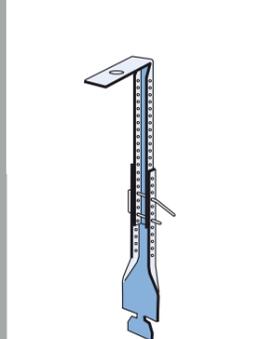
PPU H48 25+0 carriers in cold roll formed 0.8 mm thick galvanised mild steel. Standard finish: matt primer polyester stove enamel paint. Standard lengths: 4000 mm. Overall size: 48 mm deep x 25 mm wide.

2A



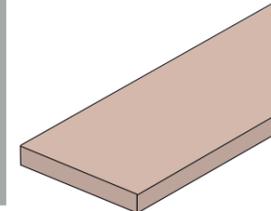
Channel coupler RP100 for carriers in 0.6 mm thick galvanised mild steel. Length=400 mm. Finish black

3



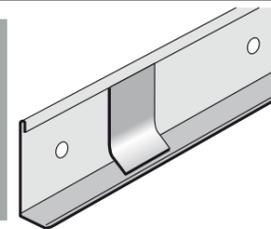
Vernier hanger upper section in 1.0 mm thick galvanised mild steel, paint finished, with 1.25 mm thick galvanised mild steel bracket and 2.5 mm dia. steel looped security pin. Standard length: 2000 mm upper section VERNIER hanger has section edges vee notched to provide 'easy break' positions at 62 mm centres.

4



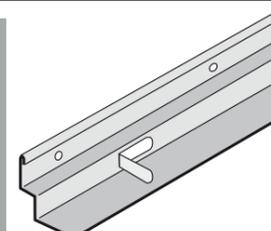
Perforated strips to have black tissue lining bonded to rear of profile. Insulation pads fitted in profiles on site when specified. Standard 20 mm thick 20 kg/m³ density glasswool with black tissue face. Also available encased in polythene.

5



Perimeter angle trim in cold roll formed 0.6 mm thick galvanised mild steel. Finish as 1. Standard finish: as strips matt polyester paint. Standard length: 4000 mm. Overall size: 40 mm deep x 20 mm wide.

6



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

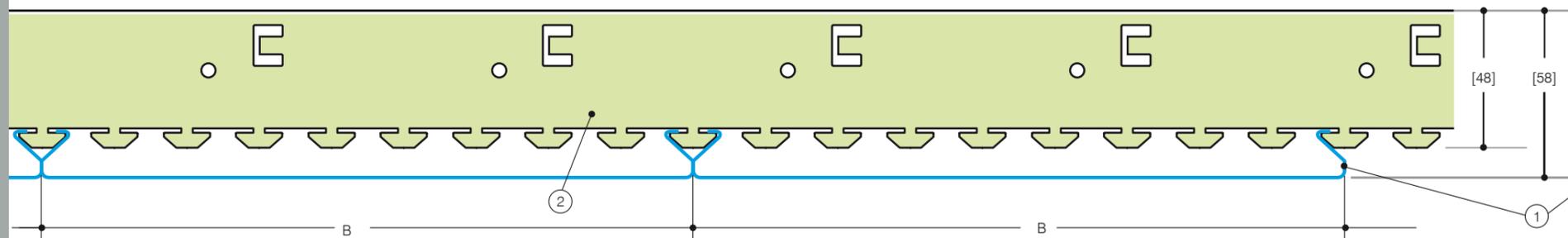


Fig.1 HELSINKI H17 profile in cross section. scale 1:2

Suspended from the structural soffit by adjustable hangers (3) (Fig.4) see rear page, carriers PPU H48 25+0 (2) (Figs.1,2,4), contain cutout features within which HELSINKI profiles (1) (Fig. 1) are sprung to make a secure attachment. The profiles can be removed using a chisel or screwdriver inserted between the joints to gently prise loose the sprung fixture.



Fig. 5 HELSINKI H17 profile.

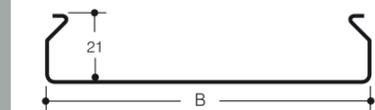


Fig. 6 HELSINKI H21 profile.

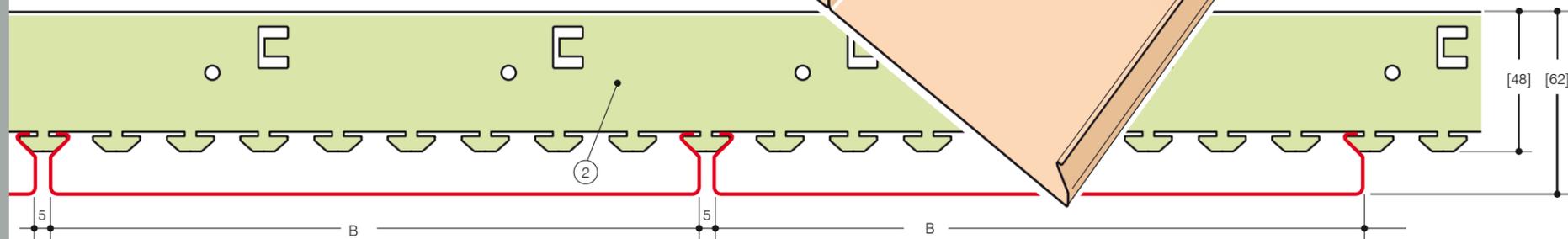


Fig. 2 Carrier PPU 48+0 in cross section. scale 1:2

Either of the perimeter angles (5) (Fig. 4) or (6) (Fig. 3) can be used to cloak the cut edges of HELSINKI profiles at walls and other abutments. The edges are held down by clips on angle (5) and by pull out tabs on angle (6).

Fig. 4 HELSINKI ceiling assembly with span data.

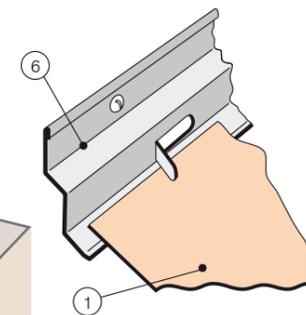
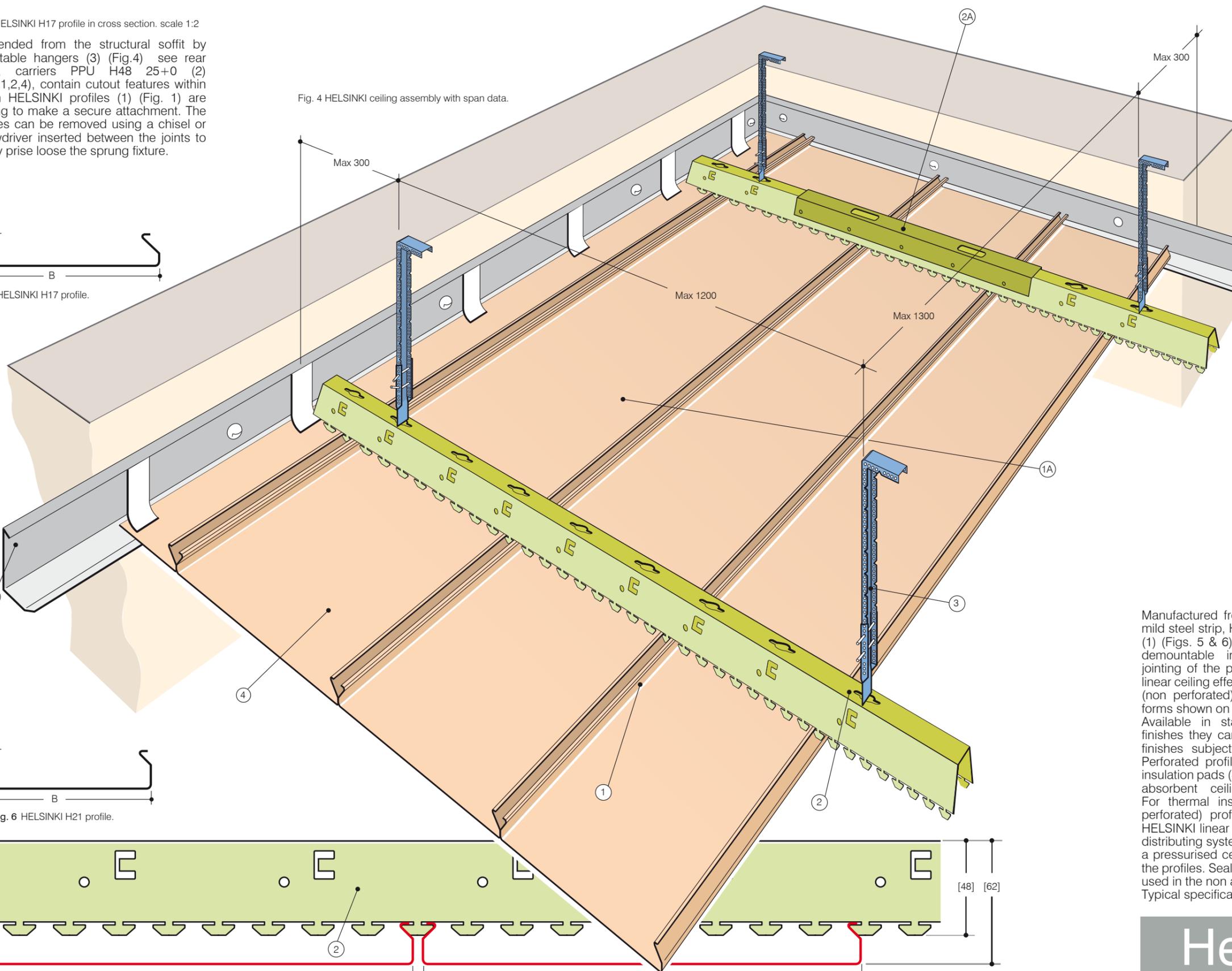


Fig. 3 Perimeter angle with hold down tabs.

Manufactured from light gauge aluminium or mild steel strip, HELSINKI round edge profiles (1) (Figs. 5 & 6) are fixed as shown to create demountable interior ceilings. Close butt jointing of the profiles produces a 'soft edge' linear ceiling effect. These are supplied in plain (non perforated) metals or in the perforated forms shown on the rear page.

Available in standard stove enamel white finishes they can also be supplied in special finishes subject to minimum order quantity. Perforated profiles incorporating inert fibrous insulation pads (4) are specified where a sound absorbent ceiling membrane is required. For thermal insulation purposes plain (non perforated) profiles with pads can be used. HELSINKI linear ceilings can function as an air distributing system if air is allowed to flow from a pressurised ceiling plenum through holes in the profiles. Sealed insulation pads (4) must be used in the non active profiles.

Typical specification layout upon request.

Helsinki