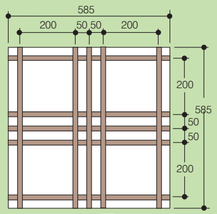
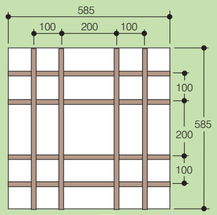
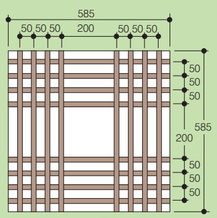


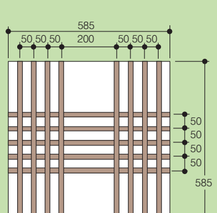
CELTICA PANEL (CP1)



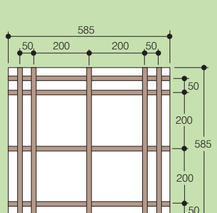
CELTICA PANEL (CP2)



CELTICA PANEL (CP3)



CELTICA PANEL (CP4)



CELTICA PANEL (CP5)

CELTICA is a distinctive system within the product group of metal open cell ceiling systems marketed by NordProfil, in that it offers a selection of tartan pattern open cell designs.

However, it shares panel and suspension grid integration features with a sister product, Gridal 15, a monolithic square cell system described on information sheet **4.03**. See further comment in the **cont'd** section overleaf.

As seen to the left, CELTICA panels, CP1 to CP5 inclusive, differ in their configurations of square and rectangular cells.

These 'lay in' panels form contrasting tartan pattern ceilings seen in the ceiling plan views to the right and in the illustrations overleaf. A 200 x 200mm dominant cell module, common to all these assemblies, can accommodate services terminals or 'lay in' infill panels CI (Figs. 4, 5 & 6).

The infills can be recessed or flush fitting, of the same or contrasting colour and solid or perforated face according to environmental demands. Dominant cells can also accept a 'lay in' secondary louvre CL (Figs. 4 & 5) to enhance the cellular effect.

Demonstrably quick and easy to install and conversely to remove, CELTICA panels combine with 15mm wide table suspension tee grids 2i + 2ii + 2iii (Figs. 4 & 6) to create open cell interior ceilings.

This combination of fully integrated and colour matched elements ensures a consistency of appearance and special effect.

It dictates a standard panel size of 585 x 585mm, a standard cell wall width of 15mm and standard cell wall height of 37mm, compatible with a 600 x 600mm basic tee grid module.

Importantly, continuous outer seating lips form part of the panel's thin wall enclosure at its boundaries. These are set back from the panel face so that when placed on the tee table, panel face and tee face are flush fitting.

CELTICA cell walls comprise intersecting U shaped blades of folded light gauge mild steel or aluminium , spaced in accordance with specified cell configurations. The panels are assembled at works, or, for ease of transportation, can also be assembled on site from packaged loose blades.

Available in standard stove enamel white finish, the CELTICA range can be supplied in special finishes subject to minimum order quantity.

The components are fully described on the rear page of this publication.

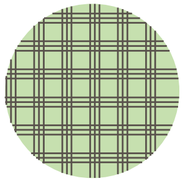
CELTICA ceilings have been installed in a multiple number of building types and can be integrated with air conditioning, lighting, communications and sprinkler systems, plus smoke extraction systems where extensive open ceiling areas are required.

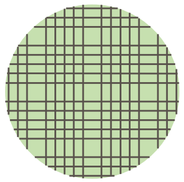
Fluorescent lighting fittings and spotlights are featured in section 6 of our technical manual. Please note that certified performance data are in section 8 and typical specification layout is on sheet **4.31/3**

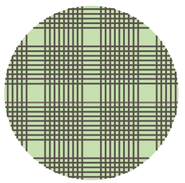
Other open cell ceiling products are described on information sheets **4.01**, **4.02**, **4.03**, **4.04**, **4.06** (**continued** overleaf).

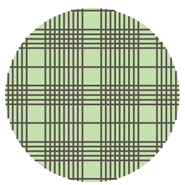
**Legend:** (illustrations on right)
Wa = Ceiling weight (alu. 0.4mm) kg/m$^2$
Ws = Ceiling weight (stl. 0.3mm) kg/m$^2$
OA = Open area %
Note: Ceiling weights exclusive of suspension systems = 1.2kg/m$^2$

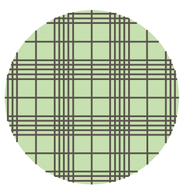
TARTAN CONFIGURATIONS


PATTERN 1
Wa = 2.2 Ws = 4.1 OA = 72.25


PATTERN 2
Wa = 1.9 Ws = 3.4 OA = 76.5


PATTERN 3
Wa = 3.1 Ws = 6.2 OA = 60

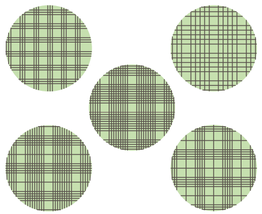

PATTERN 4
Wa = 2.6 Ws = 5.1 OA = 65.8


PATTERN 5
Wa = 2.2 Ws = 4.1 OA = 72.25

NordProfil

# Celtica

TARTAN PATTERN LAY-IN
METAL OPEN CELL CEILING RANGE

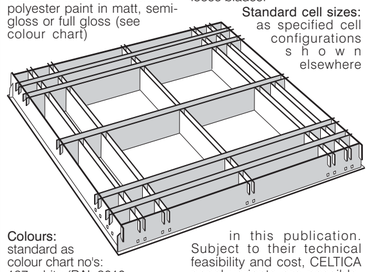


**Nord Profil Deutschland GmbH & Co. KG**
Meteler Stiege 51-57
48565 Steinfurt
Germany
Tel.: (+49)-2551 864 600
Fax: (+49)-2551 864 6020
E-mail: info@nordprofil.com
Internet: www.nordprofil.com

## CELTICA OPTIONS

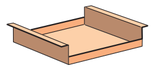
**1i**

CELTICA PANELS **CP1** to **CP5** inclusive.
Intersected 15mm wide cell blades and boundary angle made from plain (non perforated) folded 0.3mm thick zinc coated mild steel or 0.4/0.5mm thick aluminium.
**Standard finish:** stove enamel polyester paint in matt, semi-gloss or full gloss (see colour chart)

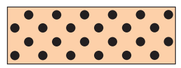


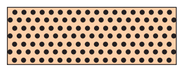
**Colours:** standard as colour chart no's:
137 white (RAL 9010 approx.)
18 silver white metallic (RAL 9006)
117 clear lack (alum. only)
8 black
138 pearlwhite (RAL 1013)
**Special finishes:** subject to minimum order quantity.
**Standard size:** 585 x 585mm x 37mm deep supplied pre-assembled or as packaged loose blades.
**Standard cell sizes:** as specified cell configurations shown elsewhere in this publication. Subject to their technical feasibility and cost, CELTICA panel variants are possible. Consult NordProfil technical department.

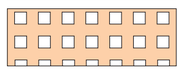
**1ii**



INFILL PANELS **CI**
Press formed tray in materials, finishes and colours as CELTICA **CP** panels.
Available in plain (non perforated) or perforated form as patterns below.
Also available with cutouts to customer requirements.
Perforated panels to have black tissue lining bonded to rear of panel.
**Standard sizes:** 185 x 185mm x 37mm deep (flush) **OR** 185 x 185mm x 12mm deep (recessed).

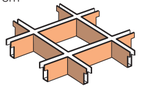

STANDARD PERFORATION (zonal)
2mm dia. holes on diagonal grid. 15% open area.


MICROPERFORATION (zonal)
1.3mm dia. holes on diagonal grid. 22% open area.


LOUDSPEAKER PERFORATION (zonal)
8 x 8mm square holes on square grid. 44% open area.

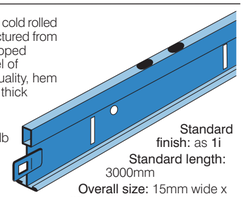
**1iii**

CELTICA LOUVRE **CL**
Intersected 15mm wide blades made from plain (non perforated) materials with finishes as CELTICA **CP** panels.
**Standard size:** 185 x 185mm x 47mm deep, supplied pre-assembled or as packaged loose blades.
NOTE: depth includes 10mm deep shoulder used to support louvre in **CP** dominant cell module.
The louvre itself has a central cell module of 100mm.



**2i**

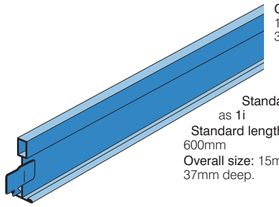
**Note:** 2i, 2ii, 2iii are all cold rolled tee sections manufactured from 0,38mm thick hot dipped galvanised mild steel of commercial prime quality, hem capped with 0.3mm thick predecorated steel.
**Note : 2i only.**
Stalk cutouts and bulb slots (for hangers) centres 125mm.
**Standard finish:** as **1i**



**Standard finish:** as **1i**
**Standard length:** 3000mm
**Overall size:** 15mm wide x 37mm deep.

**2ii**
**2iii**

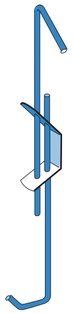
**Note : 2ii only.**
Central cutout in stalk.
**Standard finish:** as **1i**
**Standard length:** 1200mm nominal



**Overall size:** 15mm wide x 37mm deep.

**Standard finish:** as **1i**
**Standard length:** nominal 600mm
**Overall size:** 15mm wide x 37mm deep.

**3**

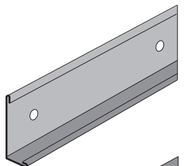


Butterfly suspension key hanger with 4mm dia. steel hook rod and 4mm dia. cranked rod.
**Standard lengths:** various between 125mm min. and 1000mm max. ceiling void depths.

**4**

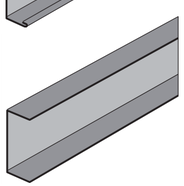
Reference number allocation to a component is based on its function in the ceiling system. No Celtica component suits 4 classification.

**5i**



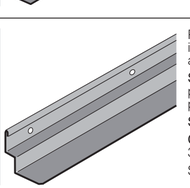
Perimeter angle trim in cold roll formed 0.7mm thick aluminium or 0.6mm thick galvanised mild steel.
**Standard finish:** stove enamel polyester paint to match Celtica panels applied to all surfaces.
**Standard length:** 4000mm
**Overall size:** 40mm deep x 20mm wide.

**5ii**



Floating edge perimeter capping channel in press braked 0.4/0.5mm thick aluminium or steel 0.3mm thick.
**Standard finish:** stove enamel polyester paint to match Celtica panels applied to all surfaces.
**Standard length:** 1800mm
**Overall size:** depth 40mm with 2 no's legs 15mm wide.

**6**



Perimeter shadow line angle trim in cold roll formed 0.7mm thick aluminium.
**Standard finish:** stove enamel polyester paint to match Celtica panels applied to all surfaces.
**Standard length:** 4000mm
**Overall size:** 44mm deep x 36.5mm wide.
Shadow gap width 12.5mm.

Designed & produced by Pencuil Studios Ltd. Hinckley, Leics. England. Technical author: Barrie Storer.

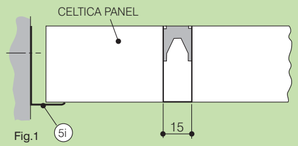


Fig.1

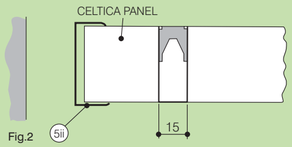


Fig.2

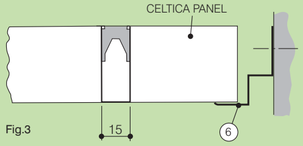


Fig.3

Either of the perimeter angles (5i) Fig. 1 and (6) Fig. 3 can be used to cloak CELTICA cut components at wall and other abutments. Where the ceilings have free floating edges, friction fit capping channels (5ii) Fig. 2 are employed at their perimeters. Rather than cut CELTICA panels at ceiling perimeters, a border of cut 'lay in' ceiling tiles can be introduced, subject to aesthetic considerations. See comment also in **continued** on the opposite page.

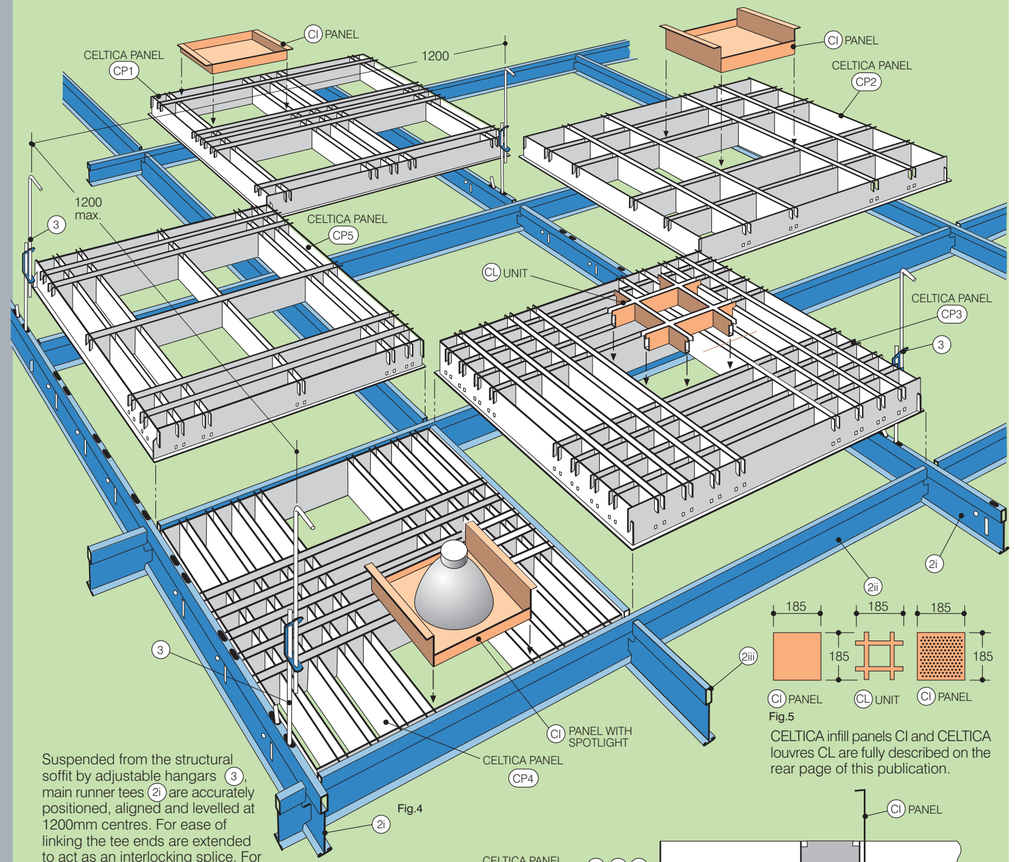


Fig.4

Suspended from the structural soffit by adjustable hangars (3) main runner tees (2i) are accurately positioned, aligned and levelled at 1200mm centres. For ease of linking the tee ends are extended to act as an interlocking splice. For fast fit assembly their stalks contain cutouts into which the ends of lateral tees (2ii) are mechanically locked at 600mm centres.

A 600x 600mm grid module is formed by locking the ends of cross tees (2iii) into central cutouts in the lateral tee stalks.

Laid onto the tee grid, CELTICA panel seating lips must make full contact with the table of the tees.

The minimum void clearance required to install CELTICA panels is 150mm.



Fig.5

CELTICA infill panels CI and CELTICA louvres CL are fully described on the rear page of this publication.

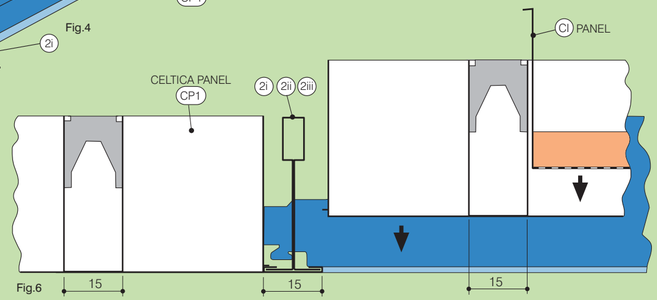
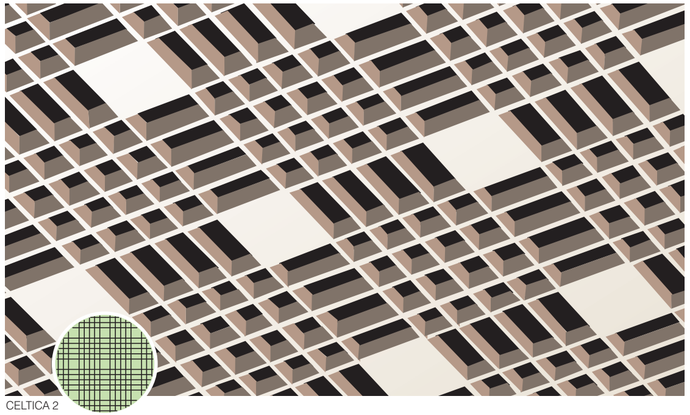


Fig.6


CELTICA 1

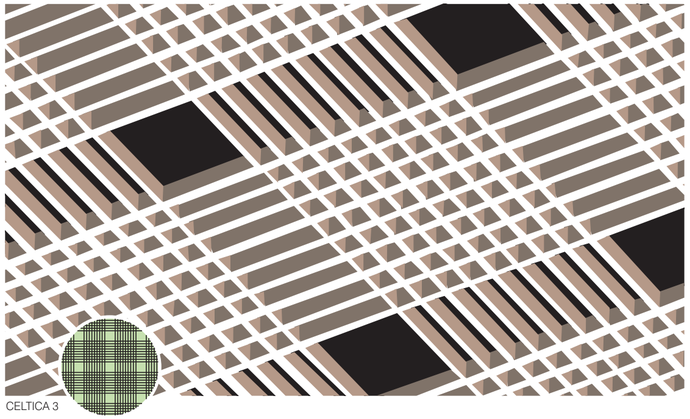

CELTICA 2

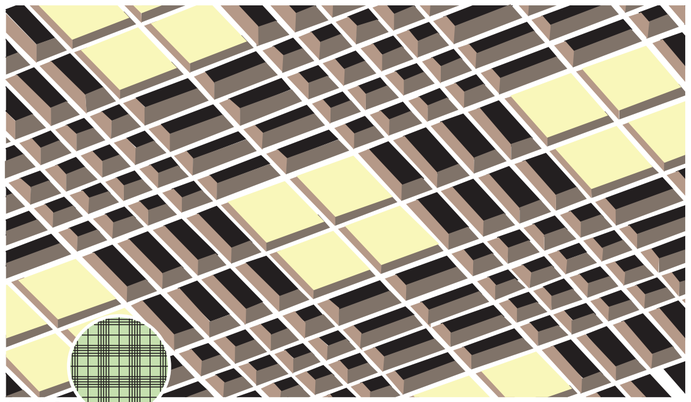
continued

Because the CELTICA range and Gridal 15 share the same suspension system (see overleaf) they can be combined in ceiling assemblies where it is advantageous.

Alternative ceiling products use the same system, increasing the mix potential. The permutations arising from this are manifold and their display outside the scope of this publication, however, NordProfil can assist in exploring this potential on invitation.

Subject to their technical feasibility and cost, CELTICA panel variants are possible. Our technical department will give advice should the current CELTICA range not meet the demands of special market sectors.


CELTICA 3


CELTICA 5


CELTICA 4

# Celtica