TYPICAL PANEL FIXING ARRANGEMENT

Internal fixings:
2 screws at each joist
100mm min. from edge of panels

Butt joint fixing between joists:
2-3mm thick Celcrete mortar applied to end of panel

End fixing:
2 screws in each panel
100mm min. from side of panels and 50mm min. from end of panel

All longitudinal tongue & groove joints filled with Celcrete mortar glue

5mm bead of approved construction adhesive to floor joists

floor joists @ max 600mm c/c

TYPICAL PANEL FIXING ARRANGEMENT
CAD REF 100-1
SCALE 1:25
14-10x100 Bugle head (class 3) screws - 2 per joist

5mm bead of approved construction adhesive

celcrete 75mm flooring panel

45 min
14-10x90 metal tip self drilling screws - 2 per joist

celcrete 75mm flooring panel

5mm bead of approved construction adhesive

STEEL JOIST

45 min

TYPICAL STEEL FLOOR JOIST FIXING DETAIL 3

CAD REF 100-3
SCALE 1:2
SECTION THROUGH PANELS - DETAIL 4
CAD REF 100-4
SCALE 1:5

butt joint fixing between joists
2-3mm thick celcrete mortar

glue between panels

2 14-10x100 Bugle head
class 3 screws -2 per joist

NB: panel to be supported
on a minimum of 2 joists

5mm bead of approved
construction adhesive to
joists

celcrete 75mm
flooring panel

floor joists
TYPICAL PANEL INSTALLATION - DETAIL 5

CAD REF 100-5
SCALE 1:5

- 5mm bead of approved construction adhesive
- 2 14-10x100 Bugle head class 3 screws at each joist in each panel
- celcrete mortar glue between panels
- celcrete 75mm flooring panel
- floor joist

100 min 150 max
100 min 150 max
TYPICAL FLOOR JOIST DETAIL
CHANGE OF JOIST DIRECTION

CAD REF 100-6
SCALE 1:2

14-10x100 Bugle head class 3 screws
5mm bead of approved construction adhesive

floor joist

50 min.
45 min.
2.3

celcrete 75mm flooring panel

floor joist

celcrete mortar glue
TYPICAL WALL FIXING DETAIL

CELLCRETE 75MM
FLOORING PANEL

14-10x100 BUGLE
HEAD CLASS 3 SCREWS
@ 600C/C THROUGH
BOTTOM PLATE INTO JOIST

WALL FRAMING

FLOOR JOIST

TYPICAL WALL FIXING DETAIL
CAD REF 101-1
SCALE 1:5
Blocking not required if wall within 150mm and does not contain a bracing element.

Non load bearing wall framing

14-10x150 Bugle head class 3 screw

celcrete 75mm flooring panel

5mm bead of approved construction adhesive

90x45 solid blocking @ 1.2m c/c between joists and at each side of door openings

NON LOADBEARING WALL DETAIL

CAD REF 101-2
SCALE 1:5
LOADBEARING WALL DETAIL

CAD REF 101-3
SCALE 1:5

Load bearing wall framing directly over double joists

14-10x150 Bugle head class 3 screw

celcrete 75mm flooring panel

5mm bead of approved construction adhesive

Double joists
400x25x0.9mm galv. strap (under bottom plate) fixed to stud with 6/30x2.5mm galv. F.H. nails each side and 3 nails each side to bottom plate.

M12x200lg. galv. coach screw with 50x50x3mm galv. washer through bottom plate into joist.

celcrete 75mm flooring panel

timber floor joist
ALTERNATIVE BRACE WALL FIXING DETAIL
CAD REF 101-5
SCALE 1:5

2/400x25x0.9mm galv. straps fixed to each stud & joist with 6/30x2.5mm galv. F.H. nails each end

Vertical block to first nog - fix to adjacent stud with 3/100x3.75mm nails

celcrete 75mm flooring panel
TYPICAL PENETRATION

CAD REF 102-1
SCALE 1:5
Penetration larger than Ø80mm foam sealant to fill void
Celcrete 75mm flooring panel
Solid blocking either side of penetration
approved flexible sealant on PVC backing rod

5mm bead of approved construction adhesive

100 min.

100x14 Bugle head class 3 screws

5mm min.

100 min.

timber floor joist

5mm bead of approved construction adhesive

TYPICAL CONTROL JOINT

CAD REF 103-1

SCALE 1:2