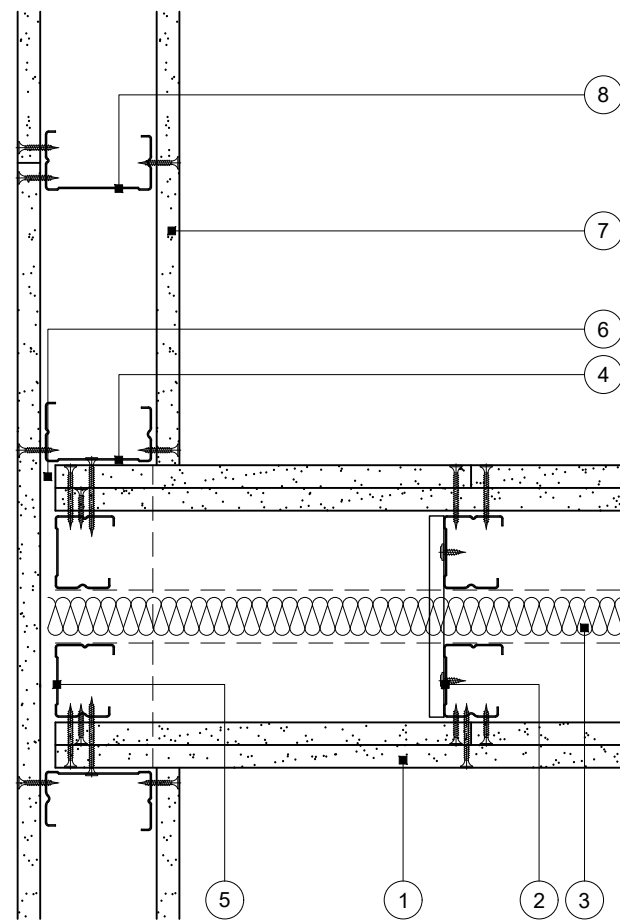


Construction Detail

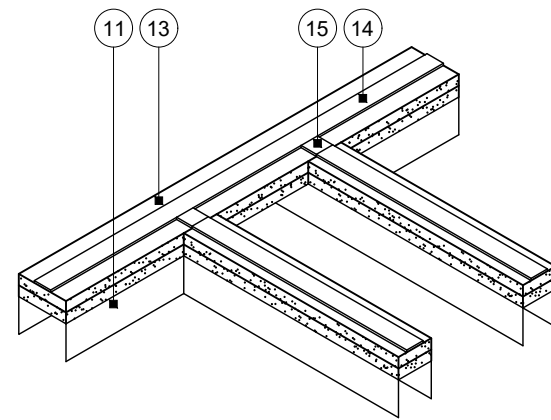
This drawing provides guidance to achieve indicative performance criteria for specific design conditions

GypWall Twin Frame Braced and GypWall Single Frame Enhanced

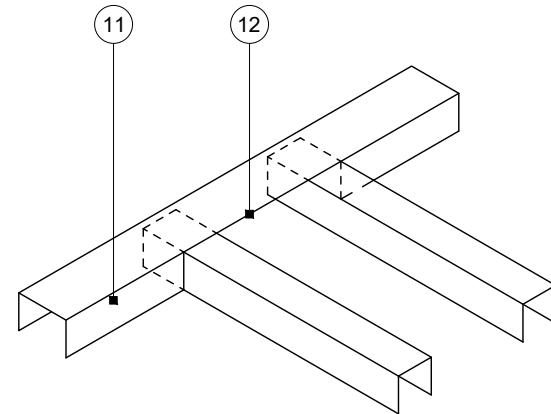


Plan

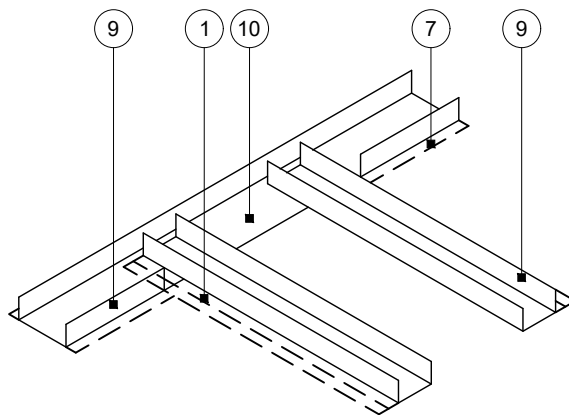
T-junction other partition
High meeting low acoustic performance



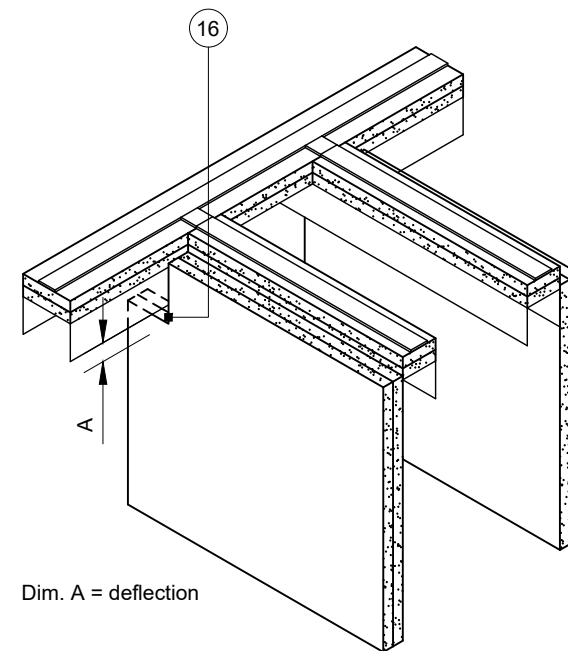
Dropped soffit arrangement (1:10)



Head channel arrangement (1:10)



Floor channel arrangement (1:10)



Dim. A = deflection

Board arrangement (1:10)

Studs and adjacent board lining not shown for clarity

Deflection head cloaking element (Gypframe angles or Glasroc strips) not shown for clarity. Refer to deflection head detail for specification

- 1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Two lines of Gypframe 'C' studs at specified centres cross braced with Gypframe 99 FC 50 Fixing Channel at 1200mm centres (staggered by 600mm between stud pairs for heights over 2400mm) fixed to each stud with two suitable British Gypsum wafer head screws
- 3 Isover insulation where required
- 4 Gypframe 'C' stud fixed through board to stud(s) with suitable British Gypsum screws at 600mm centres (in two lines staggered by 300mm for 92mm and 146mm studs)
- 5 Additional Gypframe 'C' stud at junction (two for 92mm and 146mm studs in adjacent partition)
- 6 Nominal 10mm gap between board
- 7 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 8 Gypframe 'C' studs at specified centres
- 9 Gypframe Channel suitably fixed to floor at 600mm centres (in two lines staggered by 300mm for 94mm and 148mm channels). Deep Channel for heights between 4200mm and 8000mm or Extra Deep Channel for heights over 8000mm
- 10 Channel cut and bent to allow channel and board of abutting partition to run through
- 11 Gypframe channel to suit deflection suitably fixed through board to soffit at 600mm centres (in two lines staggered by 300mm for 94mm and 148mm channels)
- 12 Channel cut and bent to allow channel of abutting partition to run through
- 13 One or two channel width strip(s) of board to suit deflection. Two strips pre-fixed to channel with suitable British Gypsum screws at 600mm centres
- 14 Gyproc FireStrip
- 15 Additional short length of Gyproc FireStrip
- 16 Board cut around head channel with sufficient clearance for deflection

Important information

- Fire resistance BS EN 1364-1
- Estimated 30 or 60 minutes through partition junction subject to specification

As there is no recognised method for fire resistance testing of junctions, any performance characteristics, stated or inferred, in this detail are estimated based on each system tested in isolation and other relevant test data. The drawing should be approved by the project design and management authority before use to ensure that it meets with their specific project requirements

Title: Construction detail

Scale at A3: 1:5

Drawn: MRC

Date: January 2022

Approved: MKF JMC

Dwg No.: CN-125-010

Revision:

Technical Support Team | british-gypsum.com

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