

Construction Detail

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

GypWall Single Frame and GypCeiling MF

| DEFLECTION (VERTICAL) HEAD DESIGN | | | |
|-----------------------------------|--|----------------|------------------------------|
| DEFLECTION DIM. A | DROPPED SOFFIT NOTE 7 | CHANNEL NOTE 4 | CLOAKING ELEMENT NOTE 10 |
| 1-15mm | One 19mm ^A or 20mm ^B | DC | Two 15mm ^B or GA4 |
| 16-20mm | Two 15mm ^B | DC | Two 15mm ^B or GA4 |
| 21-25mm | Two 15mm ^B | DC | Two 20mm ^B or GA4 |
| 26-30mm | Two 20mm ^B | DC | Two 20mm ^B |
| 31-35mm | Two 20mm ^B | EDC | Two 25mm ^B |
| 36-40mm | Two 25mm ^B | EDC | Two 25mm ^B |
| 41-45mm | Two 25mm ^B | EDC | Two 30mm ^B |
| 46-50mm | Two 30mm ^B | EDC | Two 30mm ^B |

^A Gyproc CoreBoard
^B Glasroc F FireCase

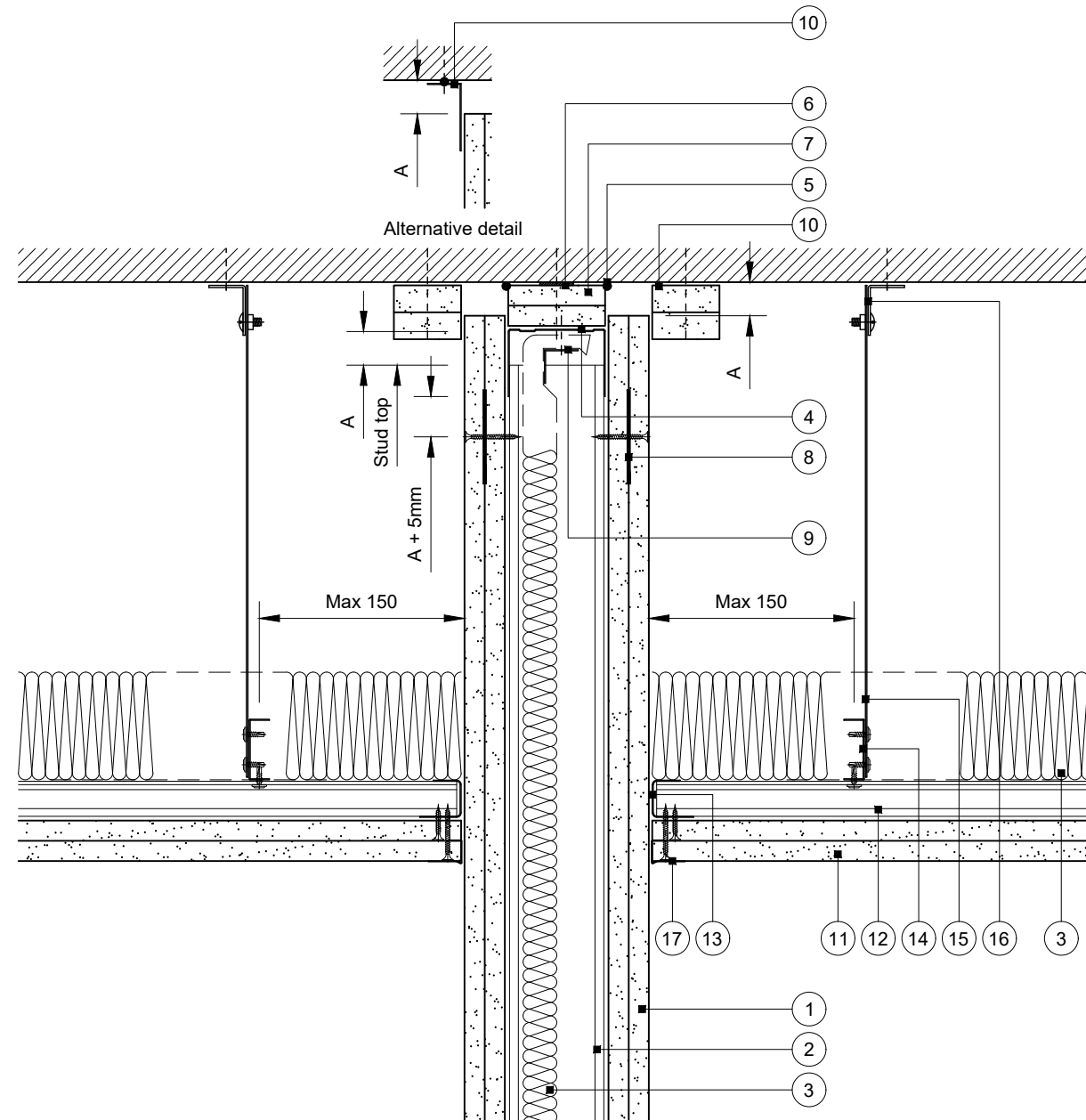
Important information

Fire resistance BS EN 1364-1

- 30 or 60 minutes through partition subject to specification

Fire resistance BS EN 1364-2

- Non-fire rated ceiling



- Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- Gypframe 'C' studs at specified centres
- Isover insulation where required
- Gypframe Deep Channel or Extra Deep Channel (see table) suitably fixed through board to soffit at 600mm centres (in two lines staggered by 300mm for 94mm and 148mm channels)
- Gyproc Sealant for optimum sound insulation
- Gyproc FireStrip
- One or two channel width strip(s) of board (see table). Two strips pre-fixed to channel with suitable British Gypsum screws at 600mm centres
- Gypframe GFS1 Fixing Strap fixed through board to studs with suitable British Gypsum screws at 1200mm centres to receive uppermost board fixings (no fixings into head channel)
- Gypframe steel angle or timber batten suitably fixed to channel to retain insulation where required
- Two 50mm width strips of Glasroc F FireCase fixed to soffit with suitable fire resistant fixings at 600mm centres, or Gypframe GA4 Steel Angle bedded on bead of Gyproc Sealant and fixed to soffit with suitable fire resistant fixings at 600mm centres (see table)
- Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 230mm centres in field of board and 150mm centres at board ends
- Gypframe MF5 Ceiling Sections at max. 450mm centres fixed to each MF7 with two suitable British Gypsum wafer head screws or MF9 Connecting Clip
- Gypframe MF6 Perimeter Channel
- Gypframe MF7 Primary Support Channels at specified centres
- Gypframe MF8 Strap Hanger or FEA1 Steel Angle hangers at specified centres fixed to MF7 with two suitable British Gypsum wafer head screws
- Gypframe MF12 Soffit Cleat fixed to hanger with MF11 Nut and Bolt and suitably fixed to soffit
- Gyproc Drywall Edge Bead

Deflection head with ceiling abutting

Downward (vertical) movement

Rev. A 03.08.22 Annotation update (AJC)

Title: Construction detail

Scale at A3: 1:5

Drawn: MRC

Date: December 2021

Approved: MKF JMC

Dwg No.: CN-121-021

Revision: A

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