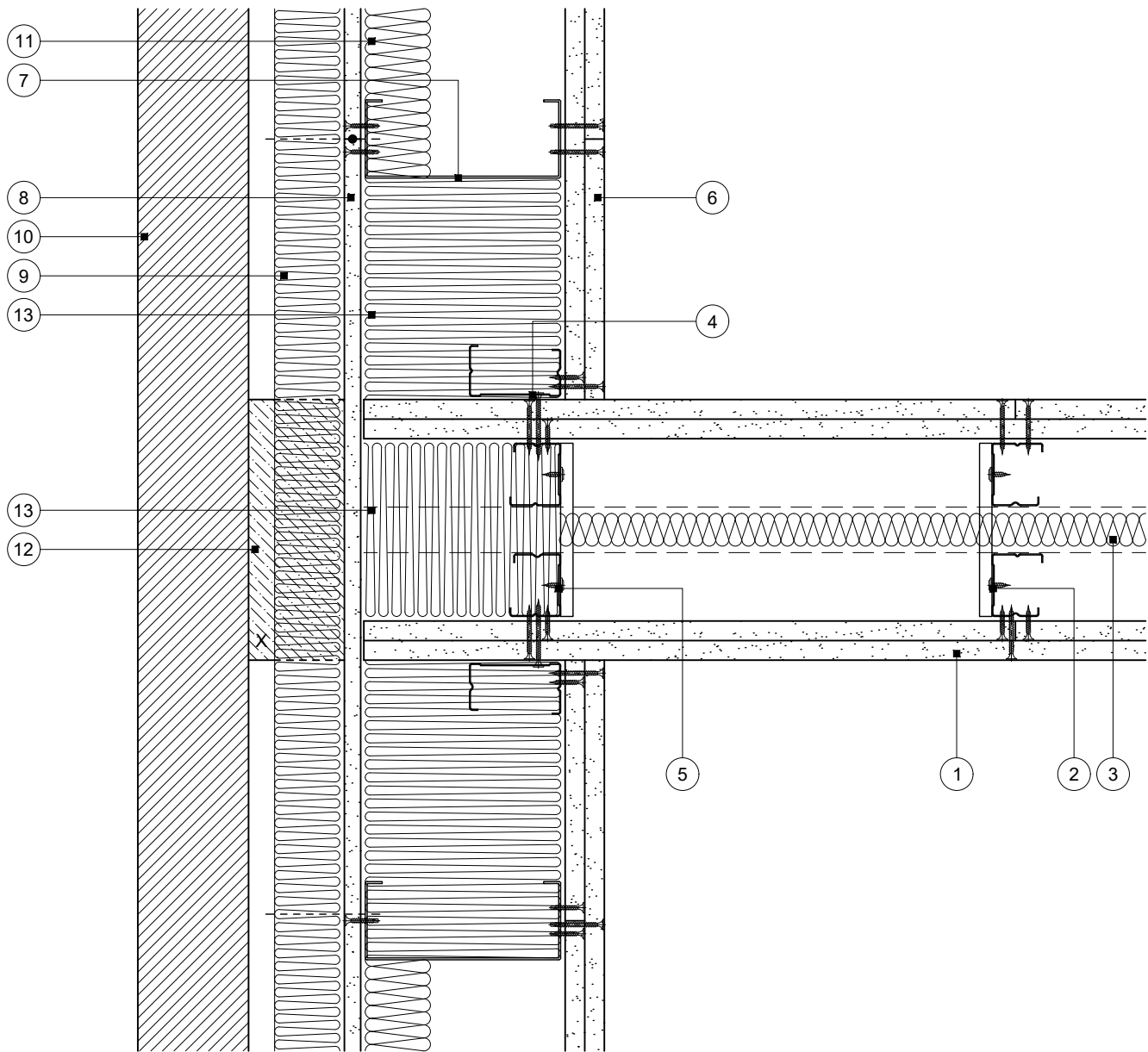


Construction Detail

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

GypWall Twin Frame Braced and GypLyner Xternal



- Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 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
- Isover insulation where required
- Gypframe 'C' stud fixed through board to stud with suitable British Gypsum screws at 600mm centres
- Additional Gypframe 'C' stud at junction
- Two layers 15mm Gyproc SoundBloc fixed with 25mm and 41mm British Gypsum Jack-Point Screws (max. 2mm metal thickness) at 300mm centres
- Indicative Hadley SFS studs at specified centres
- One layer 12.5mm Glasroc X Sheathing Board fixed with 25mm Glasroc X Screws (max. 2mm metal thickness) at 300mm centres. Continuous 6mm bead of Glasroc X Sealant at board joints
- Isover Polterm Max Plus (thickness to suit specification) suitably fixed through board to SFS studs
- Indicative external finish
- Indicative insulation
- Cavity barrier where required (see important information)
- Stone mineral wool 100kg/m³ minimum density by others

Important information

- Fire resistance BS EN 1364-1
- Up to 90 minutes through partition subject to specification
 - Up to 90 minutes through non-load bearing British Gypsum GypLyner Xternal SFS wraparound system subject to specification

Where using British Gypsum GypLyner Xternal SFS wraparound system as there is no recognised method for the fire resistance testing of junction, any performance characteristics, stated or inferred, in this detail are estimated based on each system tested in isolation and other relevant test data*

Subject to regulatory requirements for cavity barrier installations and fire resistance of insulation board used in steel frame lining cavity, it may be necessary to include a cavity barrier to external cladding*

The exact construction depicted on this drawing has not been tested and assumes materials highlighted with 'X' are capable of maintaining performances of the partition. This MUST be verified with the relevant material manufacturer prior to construction

- * The drawing should be approved by the project design and management authority before use to ensure that it meets with their specific project requirements and the overall fire strategy for compartmentation and cavity barrier requirements (as per Approved Document B)

External SFS wall abutment with partition penetration

Rev. A 08.09.23 Updated 'Important Information' (MBH)

Title: Construction detail

Scale at A3: 1:5

Drawn: NCL

Date: August 2022

Approved: MKF JMC

Dwg No.: CN-125-014

Revision: A

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