

Internal Partition Walls - Sheet IW02

Units 1 & 2 Purifier House, Lime Kiln Road, Bristol
BS1 5AU - 01/03/2024

STANDARD DETAIL

British Gypsum reference A206046 EN illustrated or similar approved

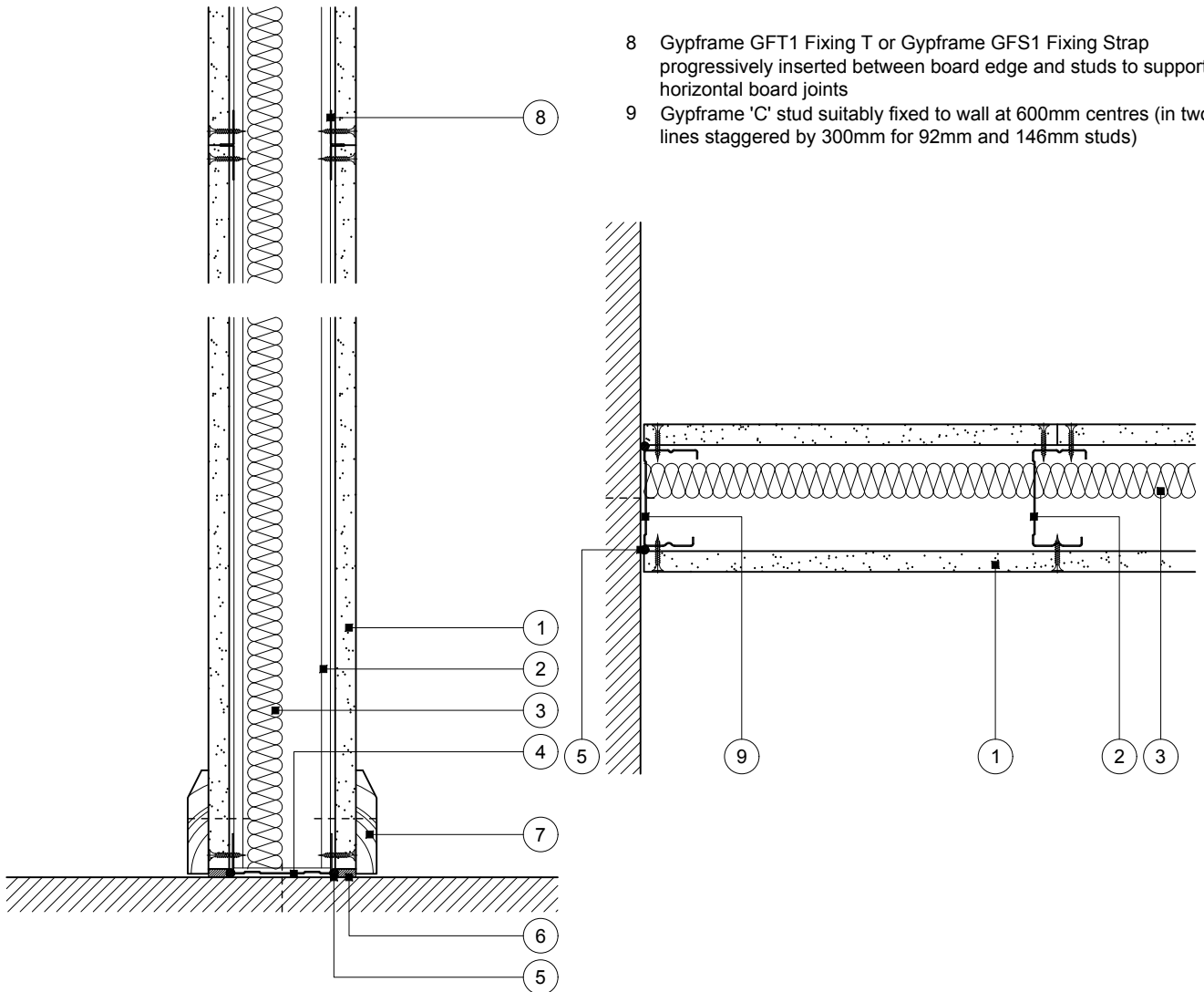
One layer of Gyproc WallBoard 15mm each side of
Gypframe 70 S 50 'C' Studs at 600mm centres

25mm Isover Acoustic Partition Roll (APR 1200) in the cavity

Allow standard skim coat to all walls and linings

Fire Integrity 30 minutes
Sound Insulation, airborne 40 Rw / dB

- 1 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Gypframe 'C' studs at specified centres
- 3 Isover insulation where required
- 4 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
- 5 Gyproc Sealant for optimum sound insulation
- 6 Gyproc jointing material bulk fill where gap exceeds 5mm
- 7 Indicative skirting
- 8 Gypframe GFT1 Fixing T or Gypframe GFS1 Fixing Strap progressively inserted between board edge and studs to support horizontal board joints
- 9 Gypframe 'C' stud suitably fixed to wall at 600mm centres (in two lines staggered by 300mm for 92mm and 146mm studs)



Base and horizontal board joint

Wall abutment

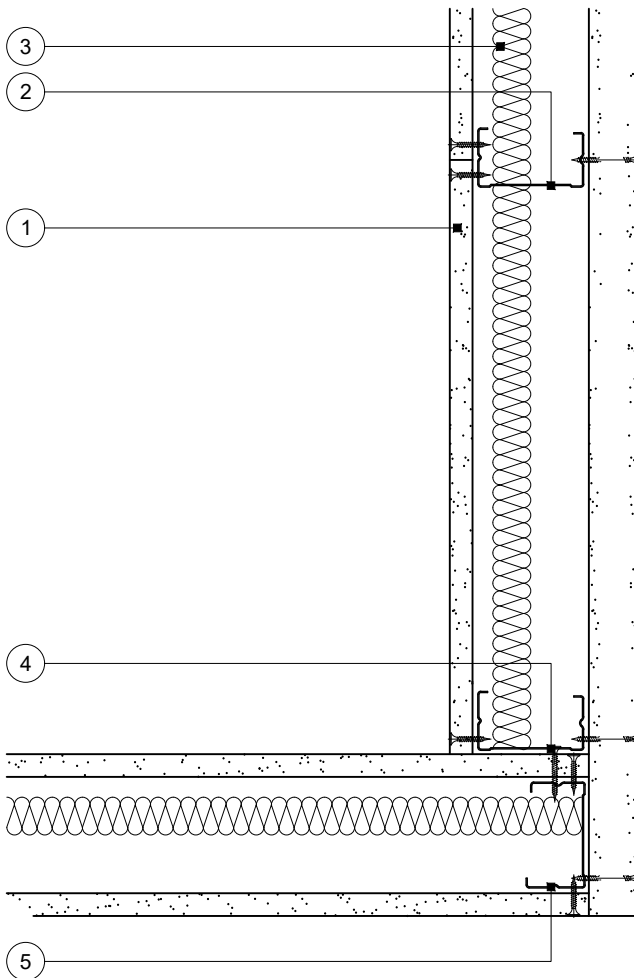
Title: GypWall Single Frame
'C' studs and one layer board
Standard details read with project specification

Scale at A4: 1:5
Date: October 2021
Dwg No.: ST-121-Z1L1-01

Drawn: MRC
Approved: DRM
Revision:

GypWall Single Frame

- 1 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Gypframe 'C' studs at specified centres
- 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 Gypframe 'C' stud at junction (two for 92mm and 146mm studs in adjacent partition)
- 6 Gypframe GA6 Splayed Angle fixed to channels and studs with suitable British Gypsum wafer head screws at 600mm centres (no fixings to head channel for deflection head condition)
- 7 Minimum angle ensures Gypframe GA6 Splayed Angle is fixed to studs at external angle



Corner

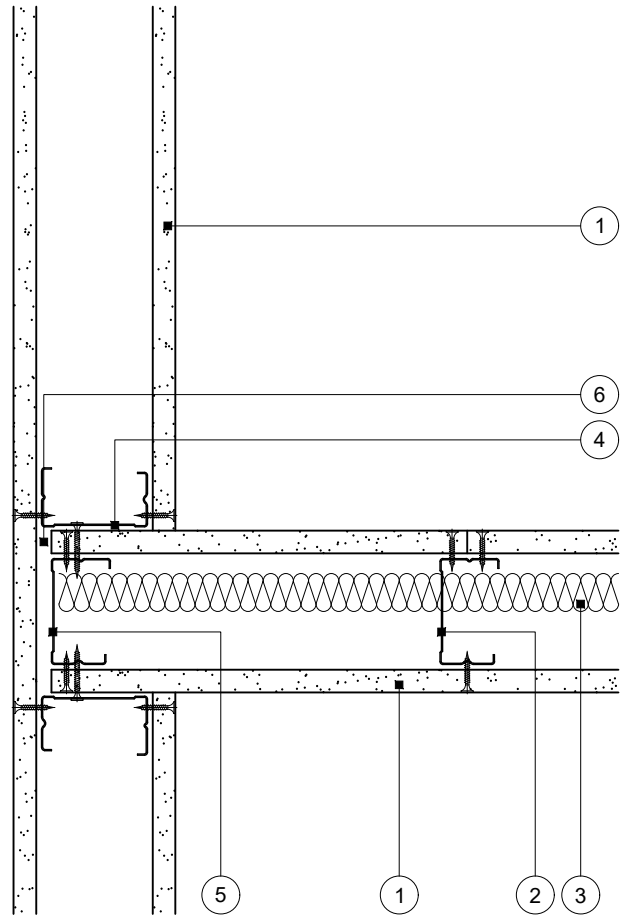
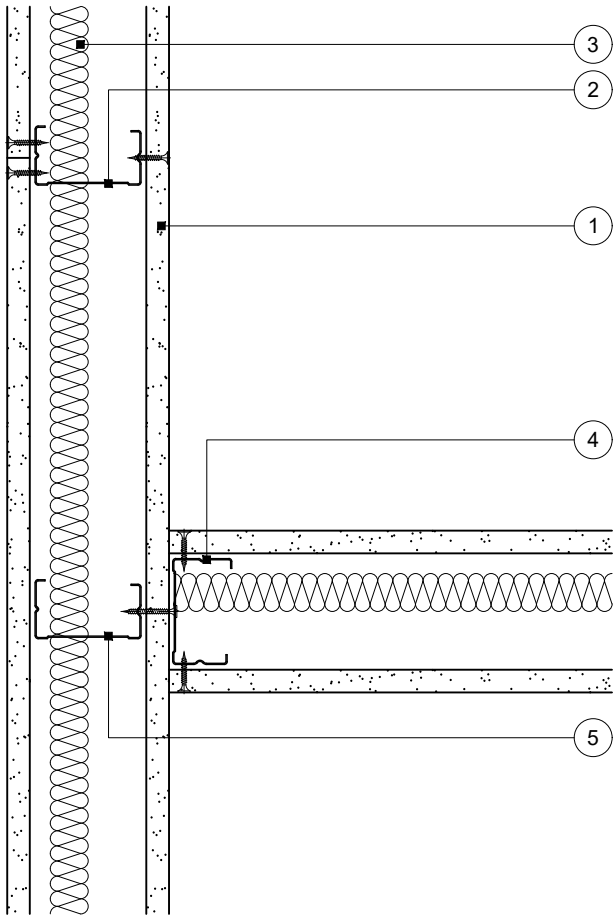
Title: GypWall Single Frame
'C' studs and one layer board
Standard details read with project specification

Scale at A4: 1:5
Date: October 2021
Dwg No.: ST-121-Z1L1-02

Drawn: MRC
Approved: DRM
Revision:

GypWall Single Frame

- 1 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Gypframe 'C' studs at specified centres
- 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 boards



T-junction

T-junction other partition

High meeting low acoustic performance

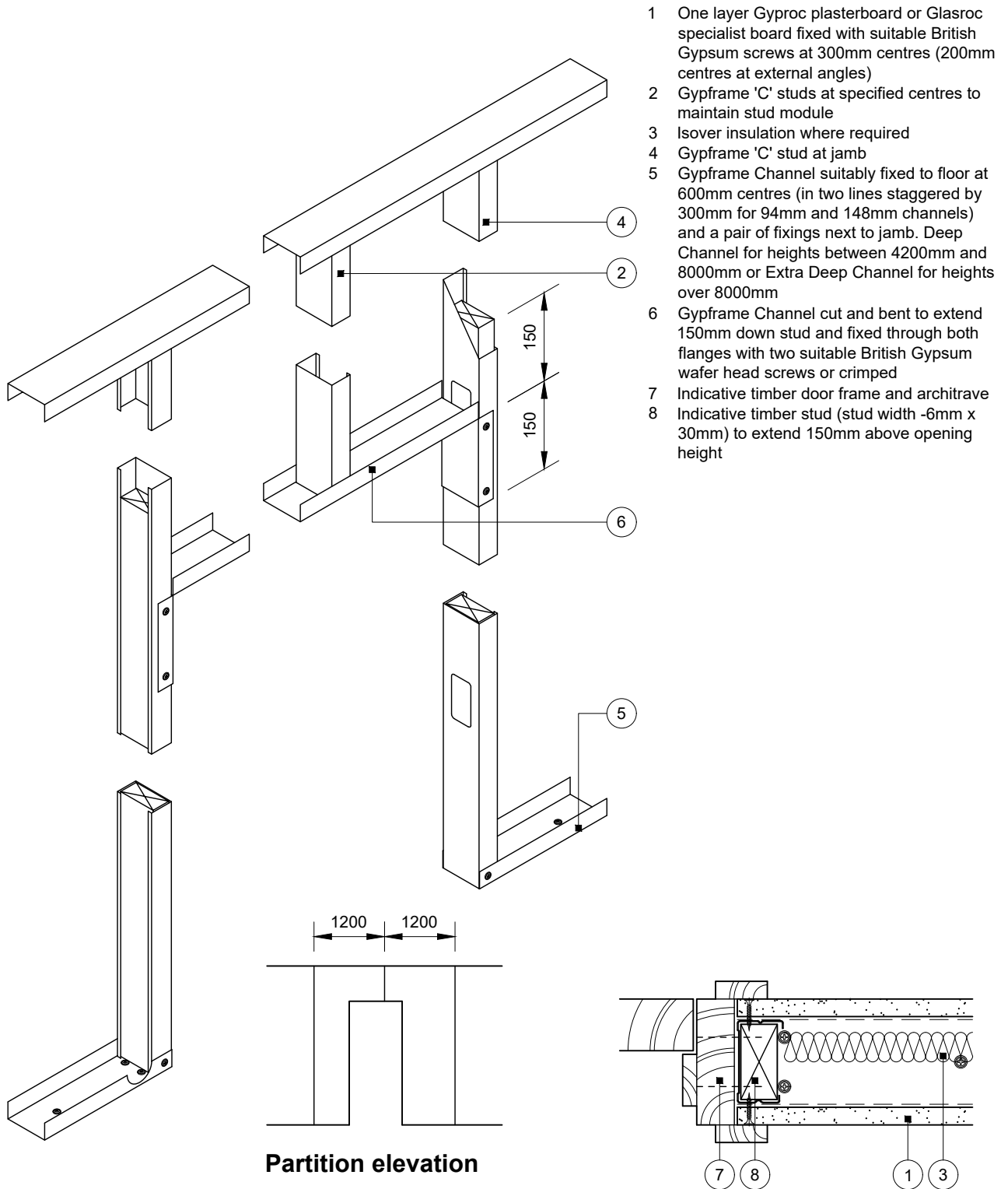
Title: GypWall Single Frame
'C' studs and one layer board
Standard details read with project specification

Scale at A4: 1:5
Date: October 2021
Dwg No.: ST-121-Z1L1-03

Drawn: MRC
Approved: DRM
Revision:

GypWall Single Frame

Advice should be sought from the door manufacturer or installer prior to construction of this detail



Door opening width up to 1200mm

Maximum door weight 35kg to BS 5234: Parts 1 & 2: 1992 - Medium Duty

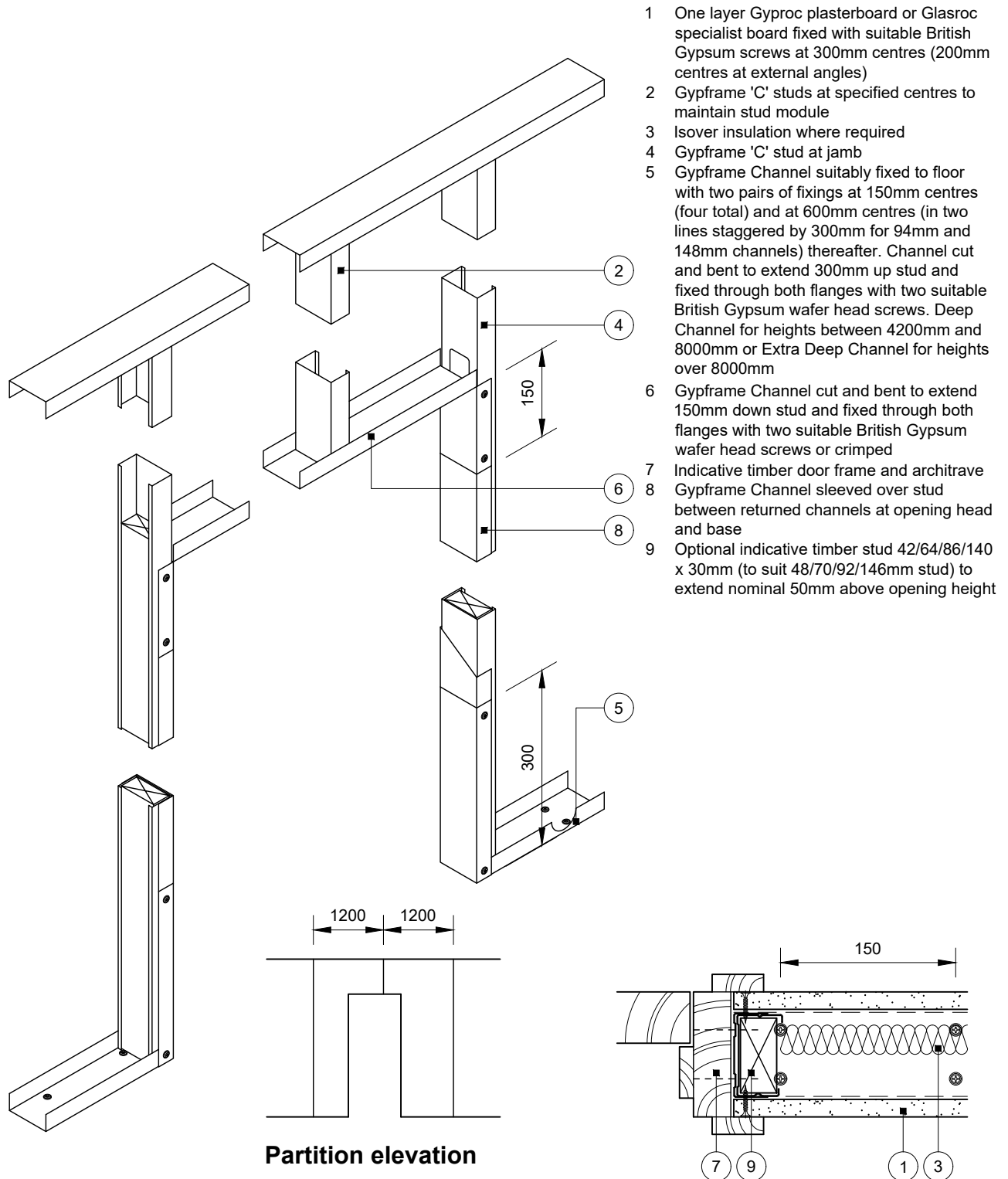
Title: GypWall Single Frame
'C' studs and one layer board
Standard details read with project specification

Scale at A4: 1:5 1:10
Date: October 2021
Dwg No.: ST-121-Z1L1-04

Drawn: MRC
Approved: DRM
Revision:

GypWall Single Frame

Advice should be sought from the door manufacturer or installer prior to construction of this detail



Maximum door weight 60kg to BS 5234: Parts 1 & 2: 1992 - Heavy and Severe Duty

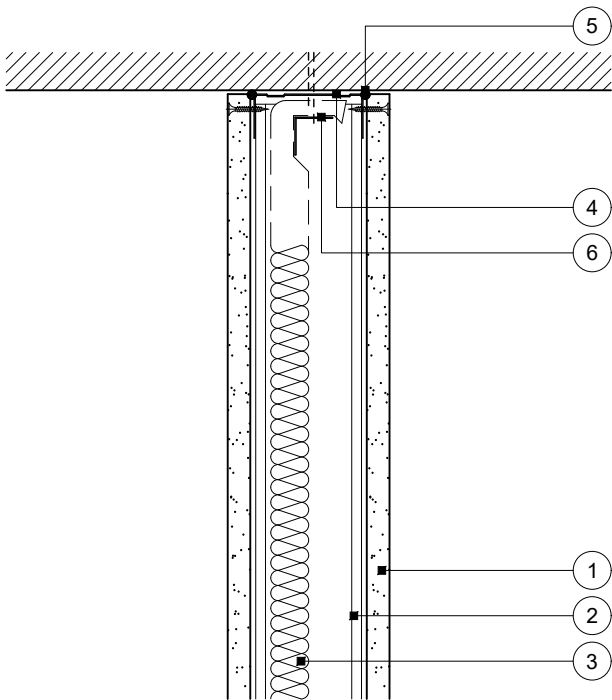
Title: GypWall Single Frame
'C' studs and one layer board
Standard details read with project specification

Scale at A4: 1:5 1:10
Date: October 2021
Dwg No.: ST-121-Z1L1-05

Drawn: MRC
Approved: DRM
Revision:

GypWall Single Frame

- 1 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Gypframe 'C' studs at specified centres
- 3 Isover insulation where required
- 4 Gypframe Channel suitably fixed to soffit 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
- 5 Gyproc Sealant for optimum sound insulation
- 6 Gypframe steel angle or timber batten suitably fixed to soffit to retain insulation where required



Head

No deflection allowance

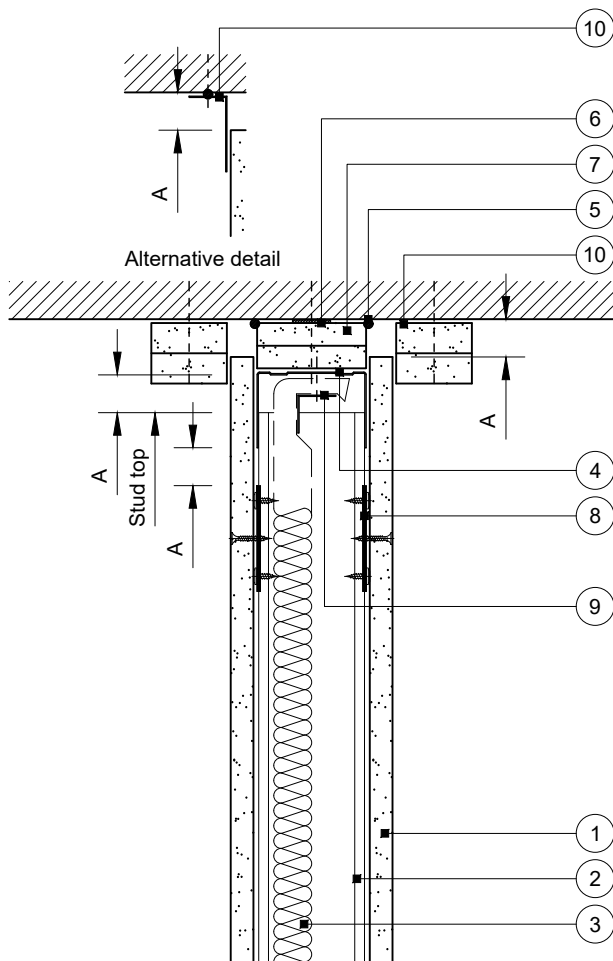
Title: GypWall Single Frame
'C' studs and one layer board
Standard details read with project specification

Scale at A4: 1:5
Date: October 2021
Dwg No.: ST-121-Z1L1-06

Drawn: MRC
Approved: DRM
Revision:

GypWall Single Frame

- 1 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
- 2 Gypframe 'C' studs at specified centres
- 3 Isover insulation where required
- 4 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)
- 5 Gyproc Sealant for optimum sound insulation
- 6 Gyproc FireStrip
- 7 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
- 8 Gypframe GFS1 Fixing Strap fixed to each stud with two suitable British Gypsum wafer head screws to receive uppermost board fixings (no fixings into head channel)
- 9 Gypframe steel angle or timber batten suitably fixed to channel to retain insulation where required
- 10 Two 50mm width strips of Glasroc F FireCase fixed to soffit with suitable fire resistant fixings at 600mm centres, or Gypframe GA4 or GA7 Steel Angle bedded on bead of Gyproc Sealant and fixed to soffit with suitable fire resistant fixings at 600mm centres (see table)



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 or GA7
31-35mm	Two 20mm ^B	EDC	Two 25mm ^B or GA7
36-40mm	Two 25mm ^B	EDC	Two 25mm ^B or GA7
41-45mm	Two 25mm ^B	EDC	Two 30mm ^B or GA7
46-50mm	Two 30mm ^B	EDC	Two 30mm ^B or GA7

^A Gyproc CoreBoard
^B Glasroc F FireCase

Important information

Fire resistance BS EN 1364-1

- 30 or 60 minutes through partition subject to specification

Deflection head

Downward (vertical) movement

Rev. B 18.01.23 GA7 added (DRM)

Title: GypWall Single Frame
 'C' studs and one layer board
 Standard details read with project specification

Scale at A4: 1:5
Date: October 2021
Dwg No.: ST-121-Z1L1-08

Drawn: MRC
Approved: DRM
Revision: B