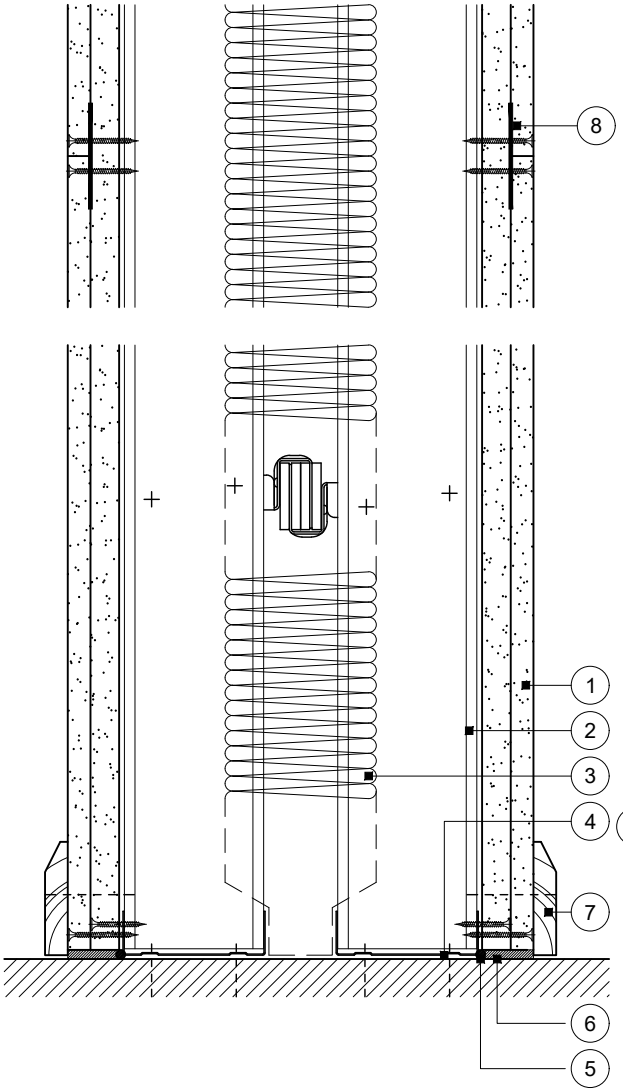
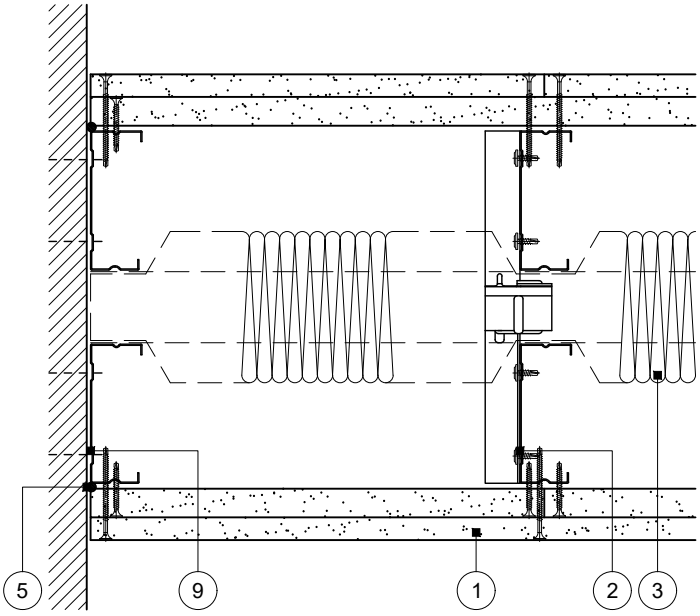
# Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

## GypWall Twin Frame Audio

1 Inner layer 19mm Gyproc plasterboard fixed horizontally to each stud with two suitable British Gypsum screws. Outer layer 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 GAB3 Acoustic Brace at 3300mm centres (staggered by 1650mm between stud pairs) fixed to each stud with two suitable British Gypsum wafer head screws
3 Isover insulation and/or stone mineral wool where required
4 Gypframe Channel suitably fixed to floor at 600mm centres in two lines staggered by 300mm. 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 GFS1 Fixing Strap progressively inserted between board layers to support outer layer horizontal board joints
9 Gypframe 'C' stud suitably fixed to wall at 600mm centres in two lines staggered by 300mm




### Base and horizontal board joint

### Wall abutment

| | | | | | |
|---|---|---|---|---|---|
| **Title:** | GypWall Twin Frame Audio | **Scale at A4:** | 1:5 | **Drawn:** | MBH |
| | 92mm or 146mm 'C' studs, acoustic brace and two layers board | **Date:** | December 2021 | **Approved:** | DRM |
| | Standard details read with project specification | **Dwg No.:** | ST-128-Z131-01 | **Revision:** | |

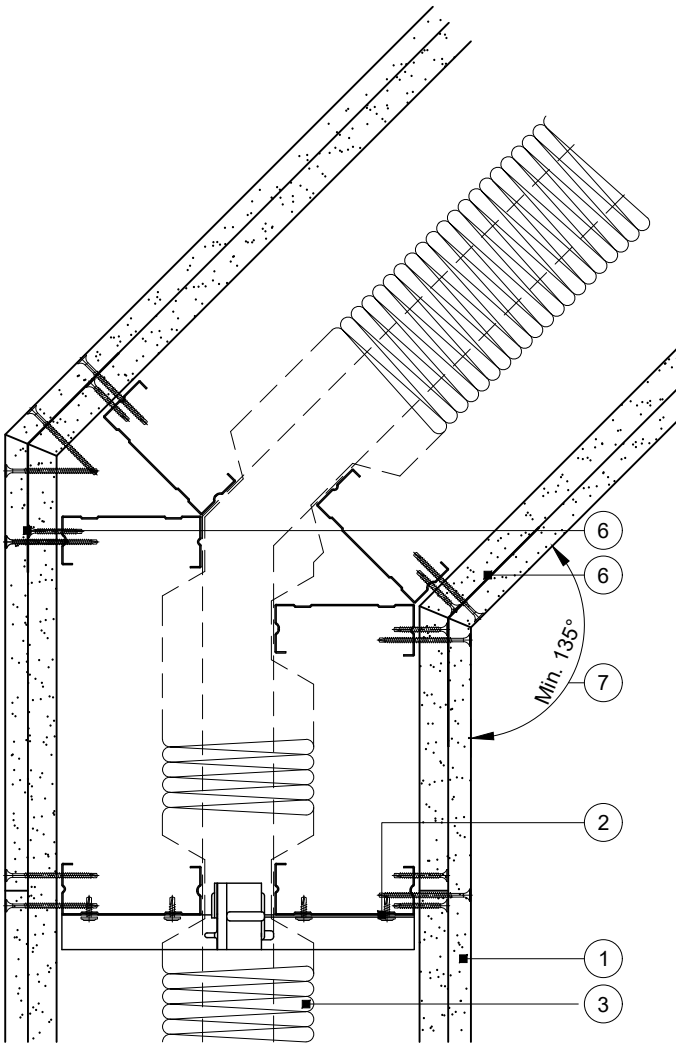
**Technical Support Team | british-gypsum.com**

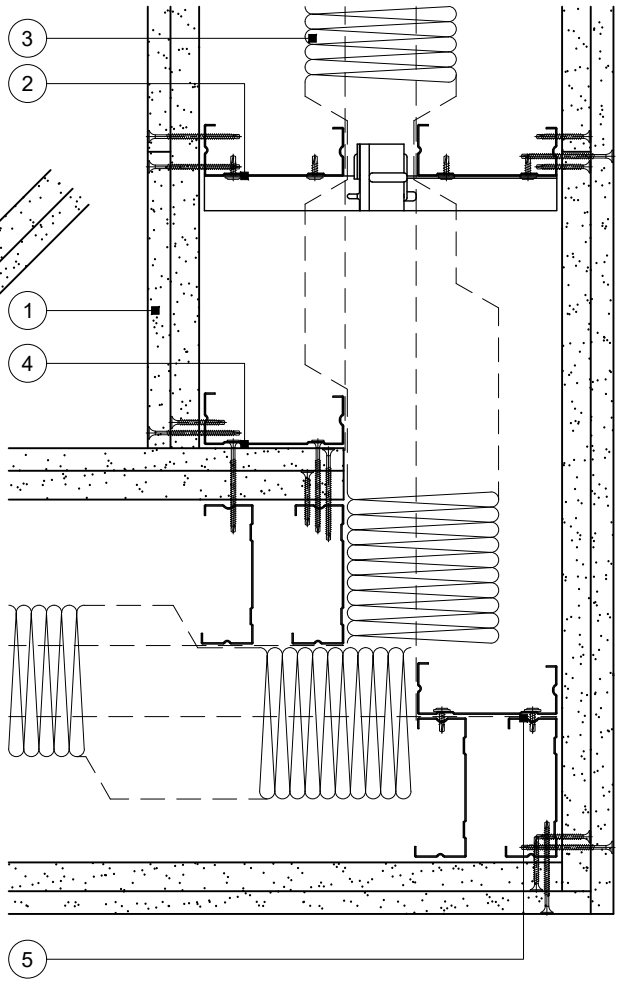
# Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

## GypWall Twin Frame Audio

1 Inner layer 19mm Gyproc plasterboard fixed horizontally to each stud with two suitable British Gypsum screws. Outer layer 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 GAB3 Acoustic Brace at 3300mm centres (staggered by 1650mm between stud pairs) fixed to each stud with two suitable British Gypsum wafer head screws
3 Isover insulation and/or stone mineral wool where required
4 Gypframe 'C' stud fixed through board to studs with suitable British Gypsum screws at 600mm centres in two lines staggered by 300mm
5 Gypframe 'C' studs fixed together with suitable British Gypsum wafer head screws at 600mm centres in two lines staggered by 300mm
6 Gypframe GA6 Splayed Angle to receive outer layer board fixings
7 Minimum angle ensures Gypframe GA6 Splayed Angle is fixed to studs at external angle




## Splayed angle

## Corner

| | | | | | |
|---|---|---|---|---|---|
| **Title:** | GypWall Twin Frame Audio | **Scale at A4:** | 1:5 | **Drawn:** | MBH |
| | 92mm or 146mm 'C' studs, acoustic brace and two layers board | **Date:** | December 2021 | **Approved:** | DRM |
| | Standard details read with project specification | **Dwg No.:** | ST-128-Z131-02 | **Revision:** | |

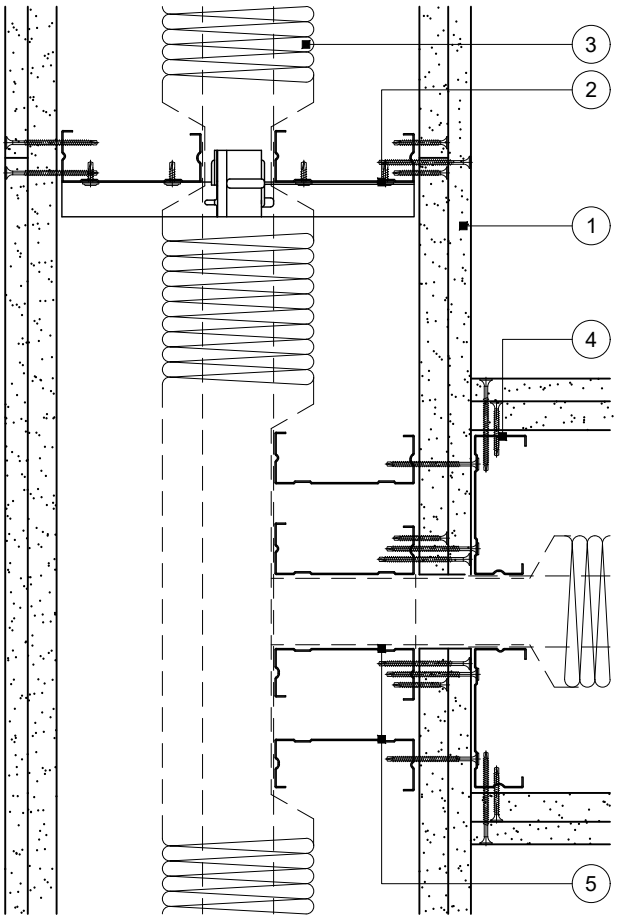
**Technical Support Team | british-gypsum.com**

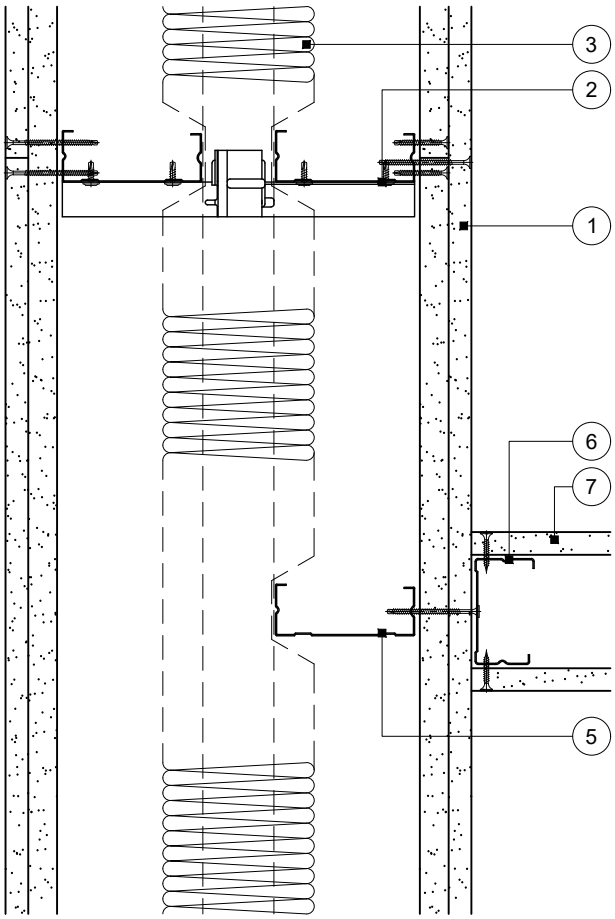
# Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

## GypWall Twin Frame Audio

1 Inner layer 19mm Gyproc plasterboard fixed horizontally to each stud with two suitable British Gypsum screws. Outer layer 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 GAB3 Acoustic Brace at 3300mm centres (staggered by 1650mm between stud pairs) fixed to each stud with two suitable British Gypsum wafer head screws
3 Isover insulation and/or stone mineral wool where required
4 Gypframe 'C' stud fixed through board to studs with suitable British Gypsum screws at 600mm centres in two lines staggered by 300mm
5 Additional Gypframe 'C' stud at junction (two for 92mm and 146mm studs in adjacent partition)
6 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)
7 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)




### T-junction

### T-junction with other partition

| | | | | | |
|---|---|---|---|---|---|
| **Title:** | GypWall Twin Frame Audio | **Scale at A4:** | 1:5 | **Drawn:** | MBH |
| | 92mm or 146mm 'C' studs, acoustic brace and two layers board | **Date:** | December 2021 | **Approved:** | DRM |
| | Standard details read with project specification | **Dwg No.:** | ST-128-Z131-03 | **Revision:** | |

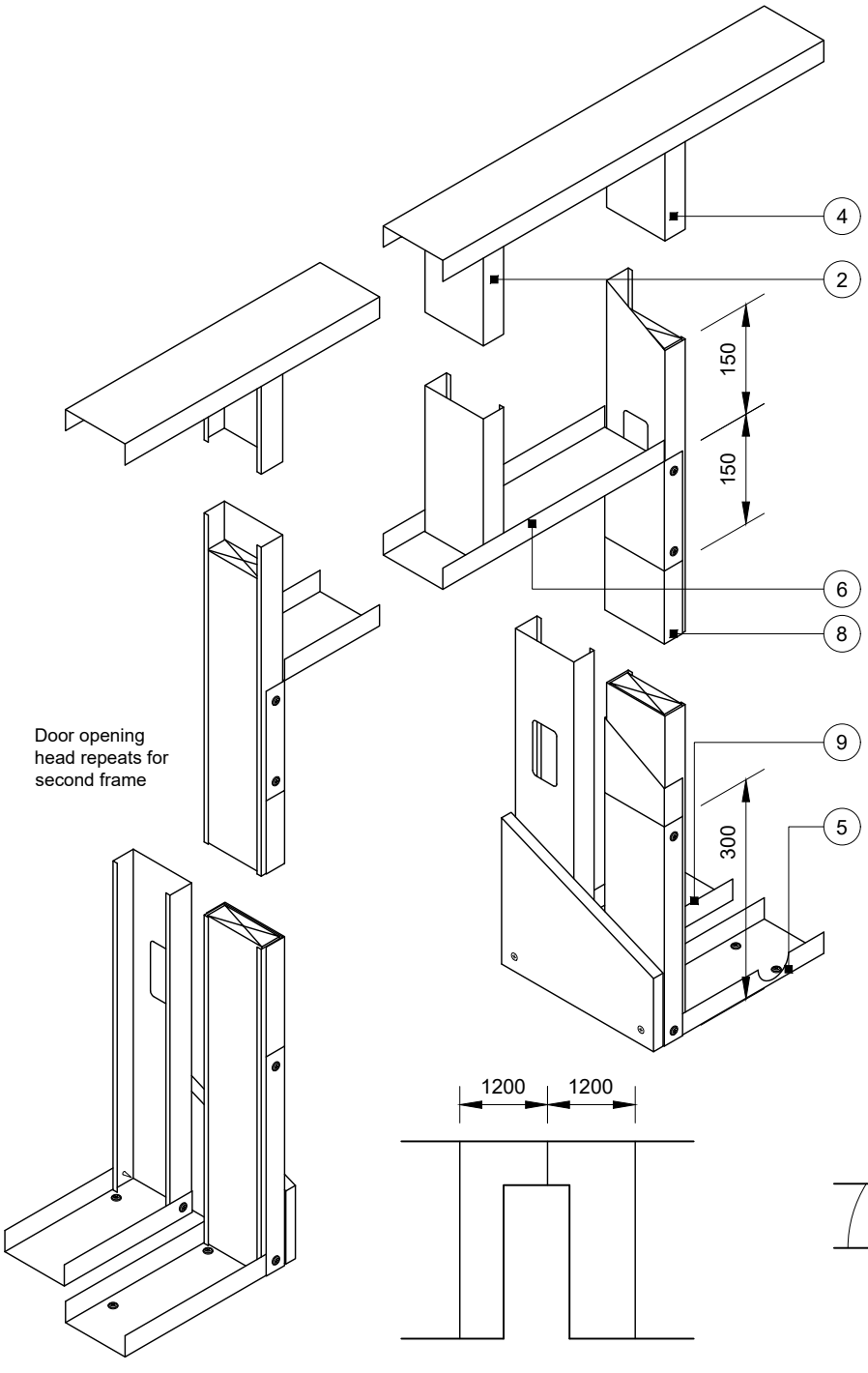
**Technical Support Team | british-gypsum.com**

# Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

## GypWall Twin Frame Audio

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




1 Inner layer 19mm Gyproc plasterboard fixed horizontally to each stud with two suitable British Gypsum screws. Outer layer 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 GAB3 Acoustic Brace at 3300mm centres (staggered by 1650mm between stud pairs) fixed to each stud with two suitable British Gypsum wafer head screws

3 Isover insulation and/or stone mineral wool where required

4 Two lines of Gypframe 'C' studs at jamb and cross braced above opening as note 2

5 Gypframe Channel suitably fixed to floor with two pairs of fixings at 150mm centres (four total) and at 600mm centres in two lines staggered by 300mm thereafter. Channel cut and bent to extend 300mm up stud and fixed through both flanges with two suitable British Gypsum wafer head screws. Deep Channel for heights between 4200mm and 8000mm or Extra Deep Channel for heights over 8000mm

6 Gypframe Channel cut and bent to extend 150mm down stud and fixed through both flanges with two suitable British Gypsum wafer head screws or crimped

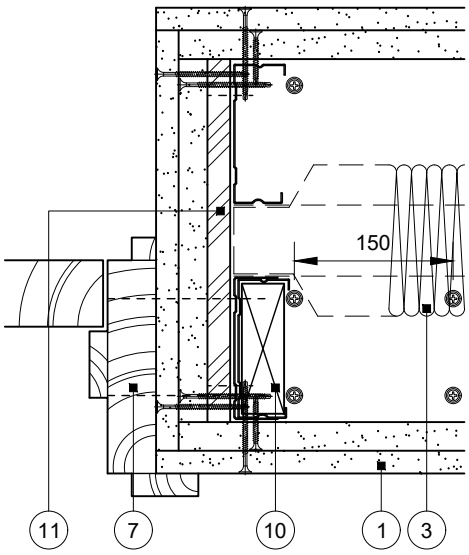
7 Indicative timber door frame (fixed to timber stud) and architrave

8 Gypframe Channel sleeved over stud between returned channels at opening head and base

9 Gypframe Channel suitably fixed to floor at 600mm centres in two lines staggered by 300mm. Deep Channel for heights between 4200mm and 8000mm or Extra Deep Channel for heights over 8000mm

10 Indicative timber stud 86/140 x 30mm timber (to suit 92/146mm stud) to extend 150mm above opening height

11 15mm plywood to full opening height suitably fixed to studs at 300mm centres




**Partition elevation**

## Door opening width up to 1200mm

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

| | | | | | |
|---|---|---|---|---|---|
| **Title:** | GypWall Twin Frame Audio | **Scale at A4:** | 1:5 1:10 | **Drawn:** | MBH |
| | 92mm or 146mm 'C' studs, acoustic brace and two layers board | **Date:** | December 2021 | **Approved:** | DRM |
| | Standard details read with project specification | **Dwg No.:** | ST-128-Z131-04 | **Revision:** | |

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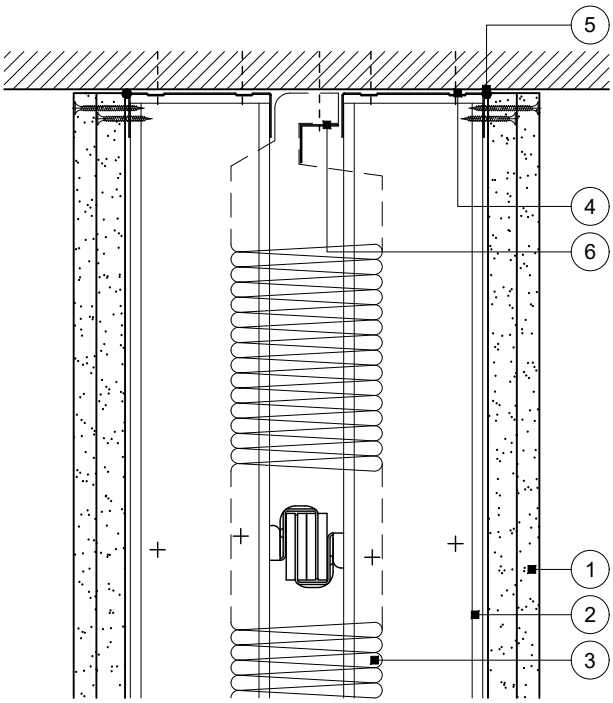
# Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

## GypWall Twin Frame Audio

1 Inner layer 19mm Gyproc plasterboard fixed horizontally to each stud with two suitable British Gypsum screws. Outer layer 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 GAB3 Acoustic Brace at 3300mm centres (staggered by 1650mm between stud pairs) fixed to each stud with two suitable British Gypsum wafer head screws
3 Isover insulation and/or stone mineral wool where required
4 Gypframe Channel suitably fixed to soffit at 600mm centres in two lines staggered by 300mm. 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 Twin Frame Audio | **Scale at A4:** | 1:5 | **Drawn:** | MBH |
| | 92mm or 146mm 'C' studs, acoustic brace and two layers board | **Date:** | December 2021 | **Approved:** | DRM |
| | Standard details read with project specification | **Dwg No.:** | ST-128-Z131-05 | **Revision:** | |

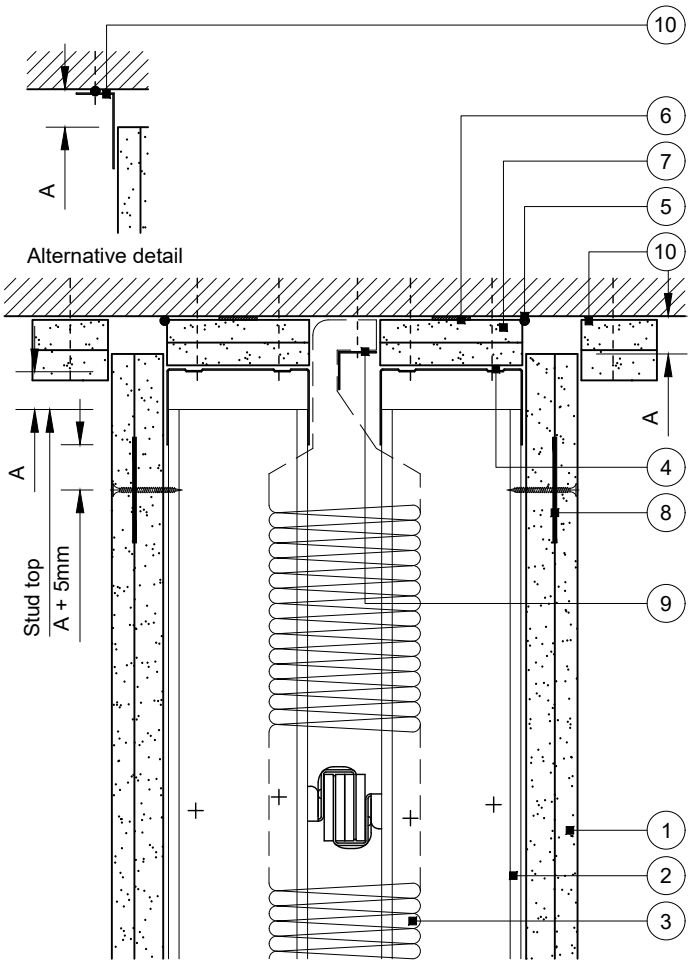
**Technical Support Team | british-gypsum.com**

# Standard Detail

This drawing provides general guidance where no performance criteria is given and site specific conditions are not taken into account

## GypWall Twin Frame Audio

1 Inner layer 19mm Gyproc plasterboard fixed horizontally to each stud with two suitable British Gypsum screws. Outer layer 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 GAB3 Acoustic Brace at 3300mm centres (staggered by 1650mm between stud pairs) fixed to each stud with two suitable British Gypsum wafer head screws
3 Isover insulation and/or stone mineral wool 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
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 through board to studs with suitable British Gypsum screws at 1200mm centres to receive uppermost board fixings (no fixings into head channel)
9 Gypframe steel angle or timber batten suitably fixed to soffit to 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 Twin Frame Audio | **Scale at A4:** | 1:5 | **Drawn:** | MBH |
| | 92mm or 146mm 'C' studs, acoustic brace and two layers board | **Date:** | December 2021 | **Approved:** | DRM |
| | Standard details read with project specification | **Dwg No.:** | ST-128-Z131-08 | **Revision:** | B |

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