

IWS-500

Internal wall types - twin stud walls - plan detail

Manufacturer reference: A216014 (EN)

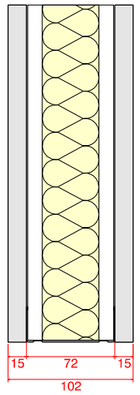
Typical location - Infill to existing partition door

Required fire performance: TBC
Required asoustic performance: TBC

FRAME: Two Gyproframe 48 I 50 'I' stud frameworks with studs at 600mm centres
INSULATION: 50mm Isover Acoustic Partition roll (APR 1200)
FACING: Two layers Gyproc WallBoard 15mm
FINISH: 2.5 skim

System reference: Twin frame independent partition
System fire performance: 90 mins
System maximum height: 2800mm
System acoustic performance: 66 Rw (dB)
System duty rating: Severe

NOTE:
Existing plasterboard partition wall to be confirmed for board thickness, insulation (if present) and stud type. Suitability to match existing construction to be confirmed during demolition/opening up. Principle is to insert the above wall construction within the aperture to match existing wall's performance.



IWS-501

Internal wall types - single stud walls - plan detail

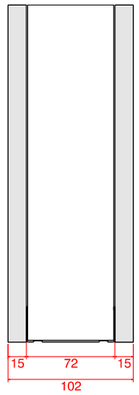
Manufacturer reference: A206138 (EN)

Typical location - new internal partition wall

Required fire performance: TBC
Required asoustic performance: TBC

FRAME: Gyproframe 70 S 50 'C' studs at 600mm centres
INSULATION: 50mm Isover Acoustic Partition roll (APR 1200)
FACING: Gyproc WallBoard 12.5mm.
NB Moisture resistant board to be used in ensuite and utility room
FINISH: 2.5mm skim

System reference: Single stud partition
System fire performance: 30
System maximum height: 3600
System acoustic performance: 43 Rw(dB)
System duty rating: medium



IWS-502

Internal wall types - single stud walls - plan detail

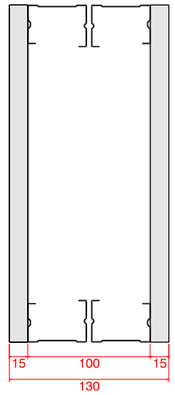
Manufacturer reference: A206013 (EN)

Typical location - new internal partition wall

Required fire performance: TBC
Required asoustic performance: TBC

FRAME: Gyproframe 70 S 50 'C' studs at 600mm centres
FACING: Gyproc WallBoard 12.5mm.
NB Moisture resistant board to be used in ensuite and utility room
FINISH: 2.5mm skim

System reference: Single stud partition
System fire performance: 30
System maximum height: 3600
System acoustic performance: 36 Rw(dB)
System duty rating: medium



IWS-503

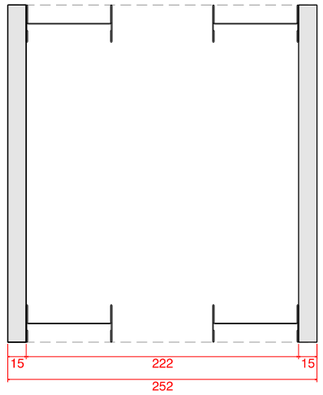
Internal wall types - twin stud wall - plan detail

Manufacturer reference: N/a

Typical location - wall into en-suite

FRAME: Gyproframe 48 S 50 'C' studs at 600mm centres
INSULATION: N/a
FACING: Gyproc WallBoard 12.5mm.
FINISH: 2.5mm skim

System reference: Twin stud partition
System fire performance: n/a
System maximum height: 2500
System acoustic performance: n/a
System duty rating: n/a



IWS-504

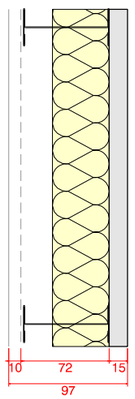
Internal wall types - twin stud wall - plan detail

Manufacturer reference: N/a

Typical location - wall to the back of the bath in en-suite

FRAME: Gyproframe 70 I 50 'I' studs at 600mm centres
INSULATION: N/a
FACING: Gyproc WallBoard 12.5mm.
FINISH: 2.5mm skim

System reference: Twin stud partition
System fire performance: n/a
System maximum height: 4100
System acoustic performance: n/a
System duty rating: n/a



IWL-500

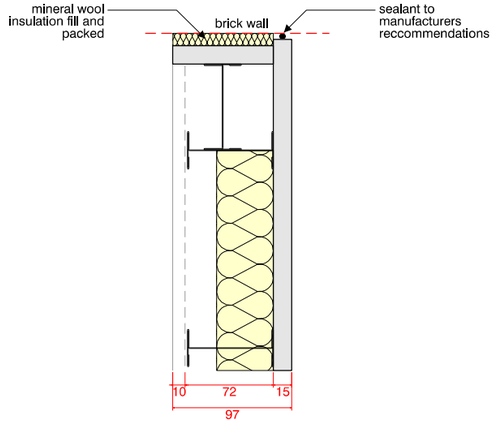
Internal lining types - single stud walls - plan detail

Manufacturer reference: N/a

Typical location - lining to existing wall adjacent to kitchen.
To be placed 10mm off from existing wall

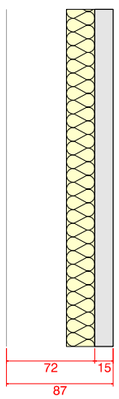
FRAME: Gyproframe 70 I 50 'I' Stud at 600mm centres
INSULATION: 50mm Isover Acoustic Partition roll (APR 1200)
FACING: Gyproc WallBoard 12.5mm moisture resistant
FINISH: 2.5mm skim

System reference: Liner
System fire performance: n/a
System maximum height: 4100
System acoustic performance: n/a
System duty rating: n/a



IWL-500 detail where it meets brick wall

Scribbed and profiled to abut the existing masonry wall



IWL-501

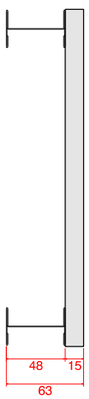
Internal lining types - single stud walls - plan detail

Manufacturer reference: N/a

Typical location - lining around existing SVP's

FRAME: Gyproframe 70 I 50 'I' Stud at 600mm centres
INSULATION: 25mm Isover Acoustic Partition roll (APR 1200)
FACING: Gyproc WallBoard 12.5mm moisture resistant
FINISH: 2.5mm skim

System reference: Liner
System fire performance: n/a
System maximum height: 4100
System acoustic performance: n/a
System duty rating: n/a



IWL-502

Internal lining types - single stud walls - plan detail

Manufacturer reference: N/a

Typical location - lining to pocket door into en-suite and living room

FRAME: Gyproframe 48 I 50 'I' Stud at 600mm centres
INSULATION: N/a
FACING: Gyproc WallBoard 12.5mm
FINISH: 2.5mm skim

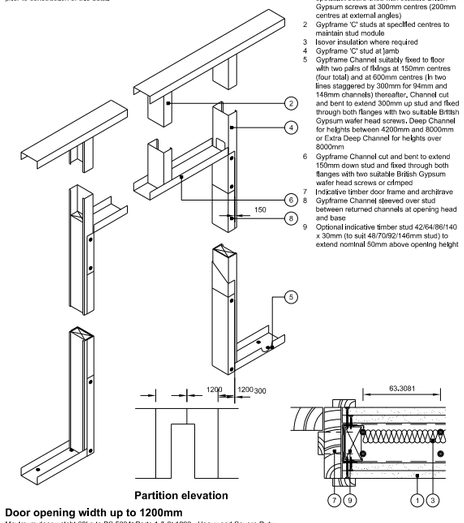
System reference: Liner
System fire performance: n/a
System maximum height: 2900
System acoustic performance: n/a
System duty rating: n/a

Standard Detail

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

GypWall Single Frame

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



1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
2 Gyproframe 'C' studs at specified centres to maintain stud module
3 Isover insulation where required
4 Gyproframe 'C' stud at jamb
5 Gyproframe 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 for 94mm and 148mm channels) 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 Gyproframe 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 and architrave
8 Gyproframe Channel sleeved over stud between returned channels at opening head and base
9 Optional indicative timber stud 42/64/86/140 x 30mm (to suit 48/70/92/146mm stud) to extend nominal 50mm above opening height

Partition elevation

Door opening width up to 1200mm

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

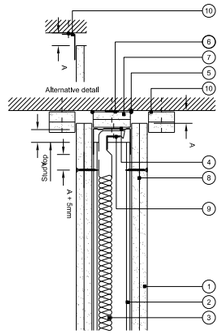
GypWall Single Frame 'C' studs and two layers board Standard details read with project specification	1:5 1:10 October 2021 ST-121-Z1L2-04	MRC DRM

Standard Detail

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

GypWall Single Frame

1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
2 Gyproframe 'C' studs at specified centres
3 Isover Insulation where required
4 Gyproframe 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 Gyproframe 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 Gyproframe 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 Gyproframe 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 DIM. A	DROPPED SOFFIT NOTE 7	CHANNEL NOTE 4	CLOADING ELEMENT NOTE 10
1-15mm	One 19mm [A]	DC	Two 15mm [B] or GA4
16-20mm	Two 15mm [B] or 20mm [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

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)

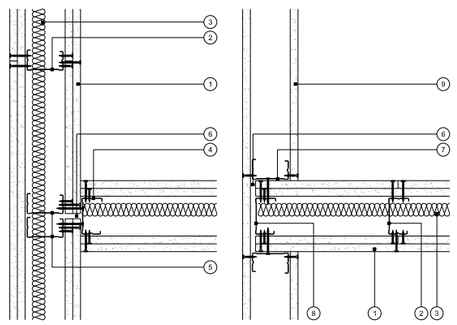
GypWall Single Frame 'C' studs and two layers board Standard details read with project specification	1:5 October 2021 ST-121-Z1L2-08	MRC DRM B

Standard Detail

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

GypWall Single Frame

1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
2 Gyproframe 'C' studs at specified centres
3 Isover Insulation where required
4 Gyproframe 'C' stud fixed through board to studs with suitable British Gypsum screws at 600mm centres in two lines staggered by 300mm
5 Additional Gyproframe 'C' studs at junction
6 Nominal 10mm gap between boards
7 Gyproframe '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)
8 Additional Gyproframe 'C' stud at junction (two for 92mm and 146mm studs In adjacent partition)
9 One layer Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)



T-junction

Optimum acoustic performance and reduced flanking transmission

T-junction other partition

High meeting low acoustic performance

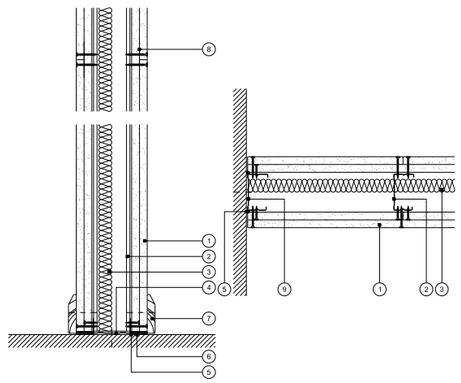
GypWall Single Frame 'C' studs and two layers board Standard details read with project specification	1:5 October 2021 ST-121-Z1L2-03	MRC DRM

Standard Detail

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

GypWall Single Frame

1 Two layers Gyproc plasterboard or Glasroc specialist board fixed with suitable British Gypsum screws at 300mm centres (200mm centres at external angles)
2 Gyproframe 'C' studs at specified centres
3 Isover Insulation where required
4 Gyproframe 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 Gyproframe GFS1 Fixing Strap progressively Inserted between board layers to support outer layer horizontal board joints
9 Gyproframe '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

GypWall Single Frame 'C' studs and two layers board Standard details read with project specification	1:5 October 2021 ST-121-Z1L2-01	MRC DRM

revision:	date:	note:
P01	2026.02.12	preliminary first issue

Notes
for wall pattress refer to room elevation drawings

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project
Paragon Mill, Manchester

job no.
7710

title
Internal Wall Types

scale
1:10 @ A3

drawing no.
7710-al(22)0001

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