GypWall

FireStop

Gyproc
SAINT-GOBAIN

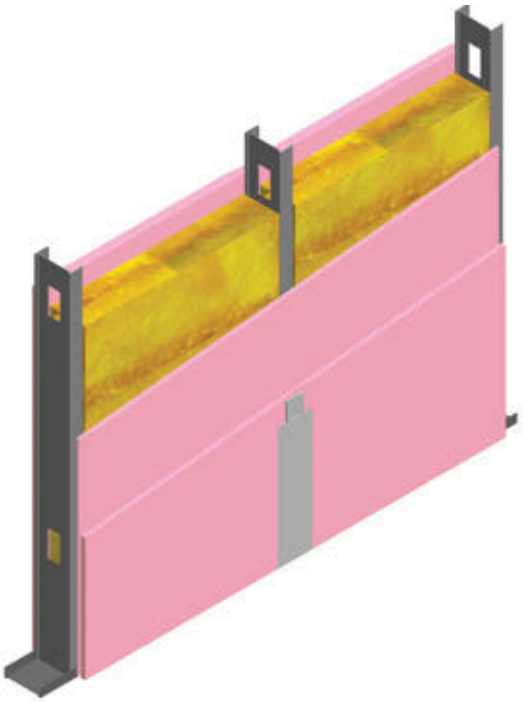
Cover: Tinswalo Hotel, Cape Town
This page: Radisson, Gautrain, Sandton

FireStop Systems

Is a non-loadbearing high performance fire resistance system providing a fire rating up to 120 minutes.
Used in retail environments, storage areas and residential applications.

Key facts

- Minimal wall thickness with optimal fire resistance
- Tested in accordance with SANS 10177:2
- Accommodates service within the drywall cavity
- Lightweight alternative to traditional construction
- Donn UltraSTEEL™ framework will not twist or warp
- Less material wastage, cleaner site conditions
- Environmentally friendly products



Applications

A range of applications, including storage facilities and warehousing.

Sector

Residential | Commercial | Health Care | Educational | Hospitality | High-rise multi-storage buildings

Performance

Sound insulation range from 42dB – 55dB

Fire rating range 60 - 120 minutes.

System components

Metal products

Donn UltraSTEEL Stud 63.5mm

Donn UltraSTEEL Stud 51mm

Donn UltraSTEEL Track 63.5mm

Donn UltraSTEEL Track 51mm

Donn UltraSTEEL Stud 102mm

Donn UltraSTEEL Track 102mm

Donn Deep Track 102mm

Donn Deep Track 63mm

Board products

Gyproc FireStop 12.5mm

Gyproc FireStop 15mm

Finishing products

Gyproc RhinoBoard Sharp Point Screws 25mm

Gyproc RhinoLite Multipurpose Plaster

Gyproc RhinoBoard Sharp Point Screws 42mm

Gyproc RhinoLite Projection Plaster

Donn Wafer Head Tek Screws 13mm

Gyproc RhinoGlide Jointing Plaster

Gyproc RhinoTape

SoundSeal

Insulation products

Isover Cavitybatt
63mm and 102mm

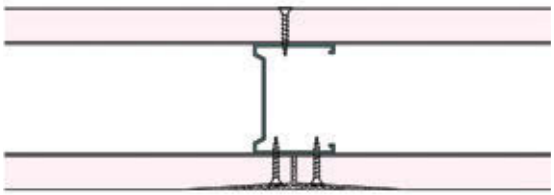
Ultimate U-Thermo board 6

Note: These are the components found in the GypWall FireStop systems. Please refer to the specific guidelines for each system's specific components.

Performance

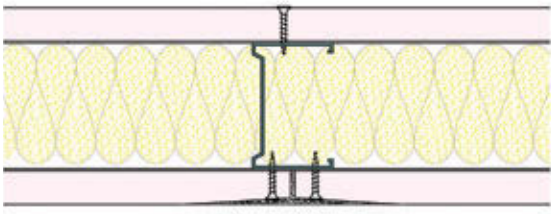
1 GypWall FireStop 51/F60S42

1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 51mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 51mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.



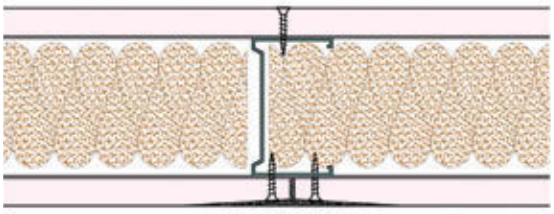
2 GypWall FireStop 51/F60S49

1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 51mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 51mm x 25mm at 600mm centres. Install Isover Cavitybatt, 63mm thick, 14kg/m^2 density in the cavity. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.



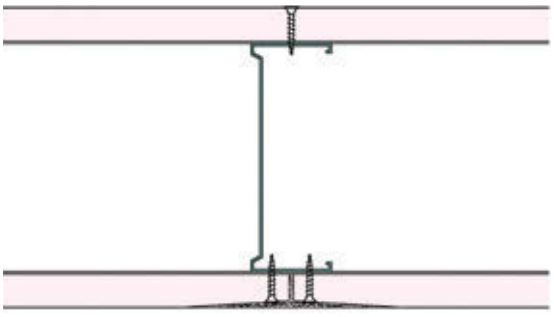
3 GypWall FireStop 63/F60

1 layer Gyproc FireStop 12.5mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 12.5mm with Gyproc MoistureResistant 12.5mm. Framework consisting of Donn UltraSTEEL™ Studs 63.5mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 63.5mm x 25mm at 600mm centres. Install Isover U-Thermo Board 6, 50mm thick insulation in the cavity. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.



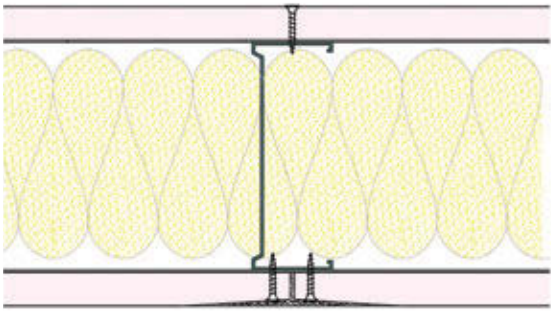
4 GypWall FireStop 102/F60S45

1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 102mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 102mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.



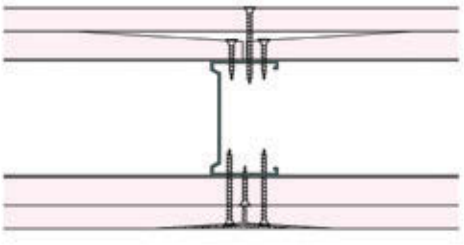
5 GypWall FireStop 102/F60S52

1 layer Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 63.5mm x 35mm friction fitted into top and bottom Donn UltraSTEEL™ Track 63.5mm x 25mm at 600mm centres. Install Isover U-Thermo Board 6, 50mm thick insulation in the cavity. Apply Gyproc RhinoTape to all joints and internal corners. Install Donn Corner Bead to all external corners.



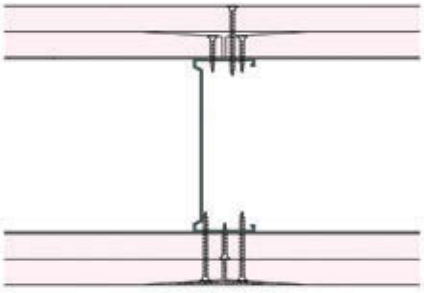
6 GypWall FireStop HiSpec 63/F120S50

2 layers Gyproc FireStop fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm (for base layer) Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm (for face layer) and at maximum 220mm centres. Base layer consisting of Gyproc FireStop 15mm and face layer consisting of Gyproc FireStop 12.5mm. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 12.5mm with Gyproc MoistureResistant 12.5mm. Framework consisting of Donn UltraSTEEL™ Studs 63.5mm x 35mm friction fitted into top and bottom Donn UltraSTEEL Track 63.5mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corner. Install Donn Corner Bead to all external corners.



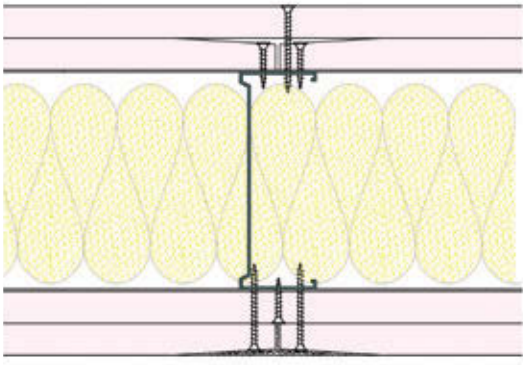
7 GypWall FireStop HiSpec 102/F120S52

2 layers Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm (for base layer) Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm (for face layer) and at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 102mm x 35mm friction fitted into top and bottom Donn UltraSTEEL Track 102mm x 25mm at 600mm centres. Apply Gyproc RhinoTape to all joints and internal corner. Install Donn Corner Bead to all external corners.



8 GypWall FireStop HiSpec 102/F120S55

2 layers Gyproc FireStop 15mm fixed to both sides of the framework using Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm (for base layer) Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm (for face layer) and at maximum 220mm centres. All joints shall be staggered. In wet areas replace face layer of Gyproc RhinoBoard 15mm with Gyproc MoistureResistant 15mm. Framework consisting of Donn UltraSTEEL™ Studs 102mm x 35mm friction fitted into top and bottom Donn UltraSTEEL Track 102mm x 25mm at 600mm centres. Install Isover Cavitybatt, 102mm thick, 14kg/m^2 density, in the cavity. Apply Gyproc RhinoTape to all joints and internal corner. Install Donn Corner Bead to all external corners.



Detail	System name	Stud size (mm)	Board type	Lining thickness* (mm)	Cavity insulation (mm)	Fire rating (min)	Sound rating R_w dB	Nominal thickness (mm)	Maximum allowable height** stud spacing			
									600mm	400mm	300mm	
1	**GypWall FireStop 51/F60S42**	51	FireStop	1x15	-	60	42	81	2900	3100	3400	*
2	**GypWall FireStop 51/F60S49**	51	FireStop	1x15	63 ***	60	49	81	2900	3100	3400	
3	**GypWall FireStop 63/F60**	63.5	FireStop	1x12.5	50 ****	60	-	89	3100	3500	3800	
4	**GypWall FireStop 102/F60S45**	102	FireStop	1x15	-	60	45	132	4700	5100	5400	
5	**GypWall FireStop 102/F60S52**	102	FireStop	1x15	102***	60	52	132	4700	5100	5400	*
6	**GypWall FireStop HiSpec 63/F120S50**	63.5	FireStop	1x12.5 + 1x15	-	120	50	119	4400	4500	4700	
7	**GypWall FireStop HiSpec 102/F120S52**	102	FireStop	2x15	-	120	52	162	6100	6300	6500	
8	**GypWall FireStop HiSpec 102/F120S55**	102	FireStop	2x15	102***	120	55	162	6100	6300	6500	*

*Lining thickness on both sides of the framework. **Based on limiting deflection of L/240 at 200Pa. ***Isover Cavitybatt. ****Isover 4-Thermo Board 6.

*Gyproc has a range of 8 performance fire-rated walling systems. We offer a range of fire-rated drywalling systems, from a standard 'Good' system to 'Better' performing systems to the 'Best' highest performing system. The summary of all GypWall FireStop systems appears here on this page but for the detail and drawings for all 8 systems, please go to our website www.gyproc.co.za. The details of a good, better and best system is to be found on the following pages.

GypWall FireStop | 51/F60S42

Nominal thickness (excluding finishes): **81mm**

Performance criteria

SANS 10177: Part 2: 60 minutes

SANS ISO 140-3:1995: Rw 42dB

Framework

Studs:	Donn UltraSTEEL™ Studs 51mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor track:	Donn UltraSTEEL™ Track 51mm x 25mm fixed with one line of fixings spaced at 600mm centres.
Head track:	Donn UltraSTEEL™ Track 51mm x 25mm fixed with one line of fixings spaced at 600mm centres. Adequate support shall be provided for head track.

Apply two continuous beads of SoundSeal between the building structure and the framework.

Lining

1 layer Gyproc FireStop 15mm, sheet width 1200mm; fixed to both sides of the framework. All joints shall be staggered.
In wet areas replace layer of Gyproc FireStop 15mm with Gyproc MoistureResistant 15mm.
Screw first lining layer: Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at 220mm centres.

Finishing

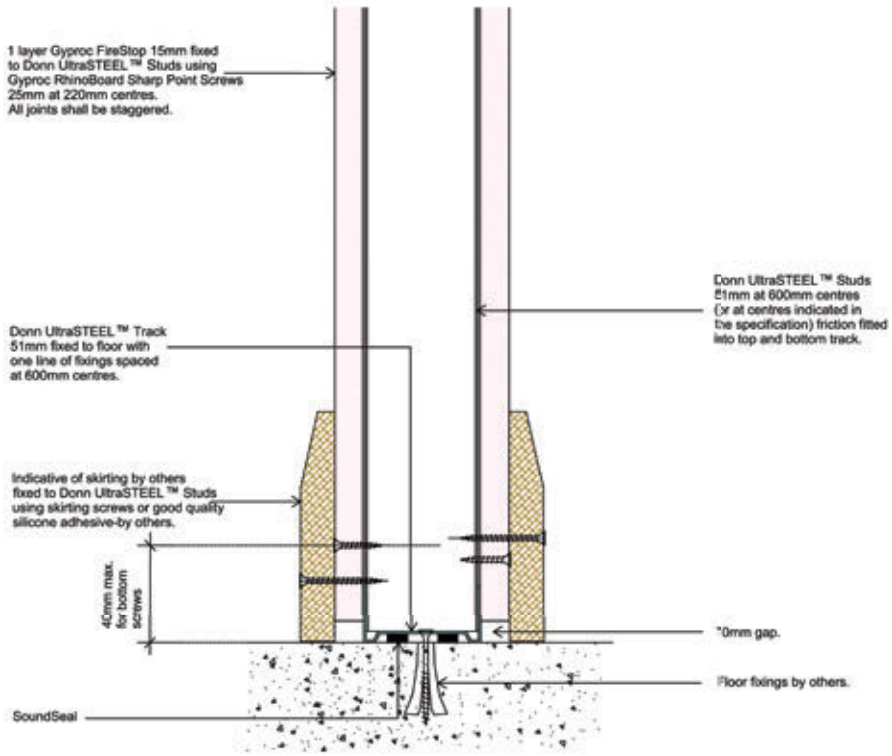
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover RhinoTape with two layers of RhinoGlide.
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover RhinoTape with one layer of RhinoLite. Skim the surface using one layer of RhinoLite.
Paint using a good quality oil based plaster primer. Apply paint as required.

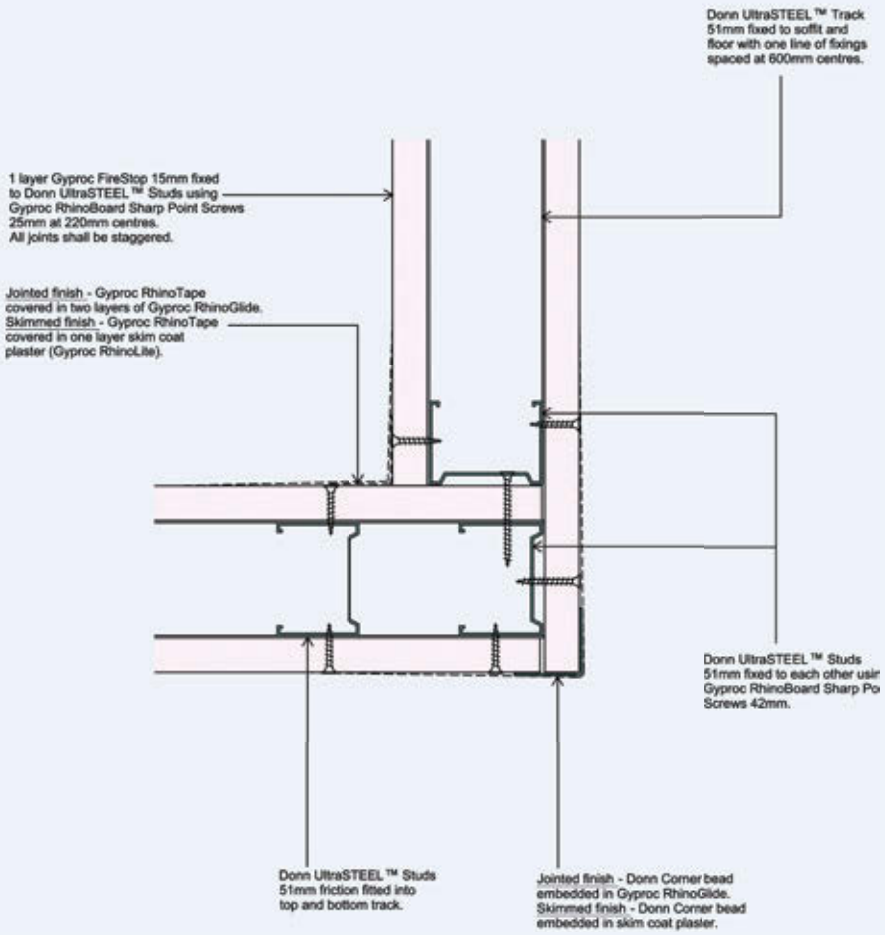
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop 51/F60S42 Illustration

Base detail

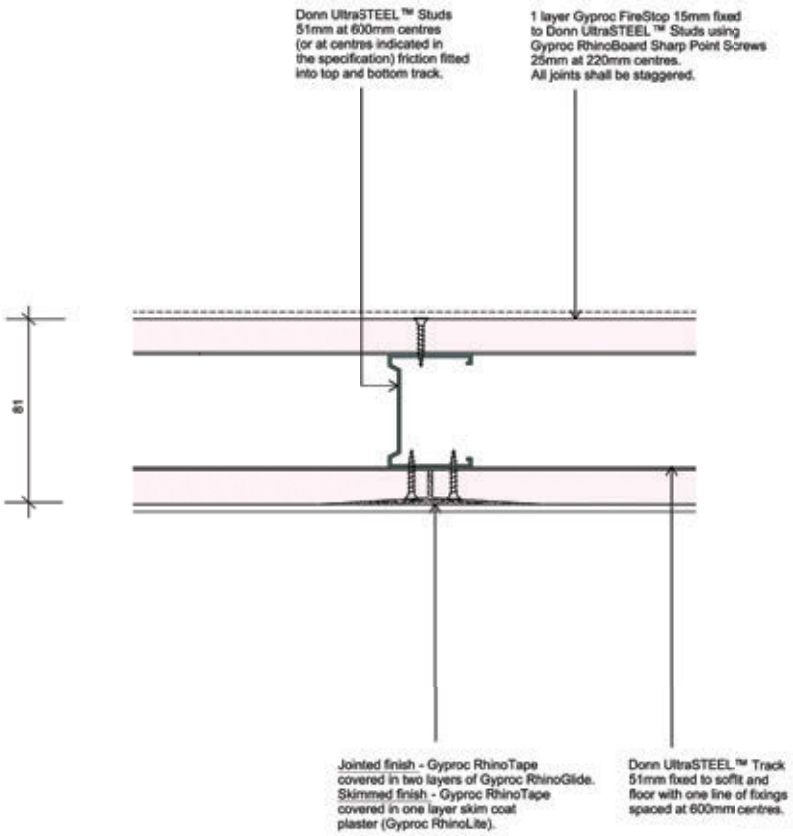


Corner detail

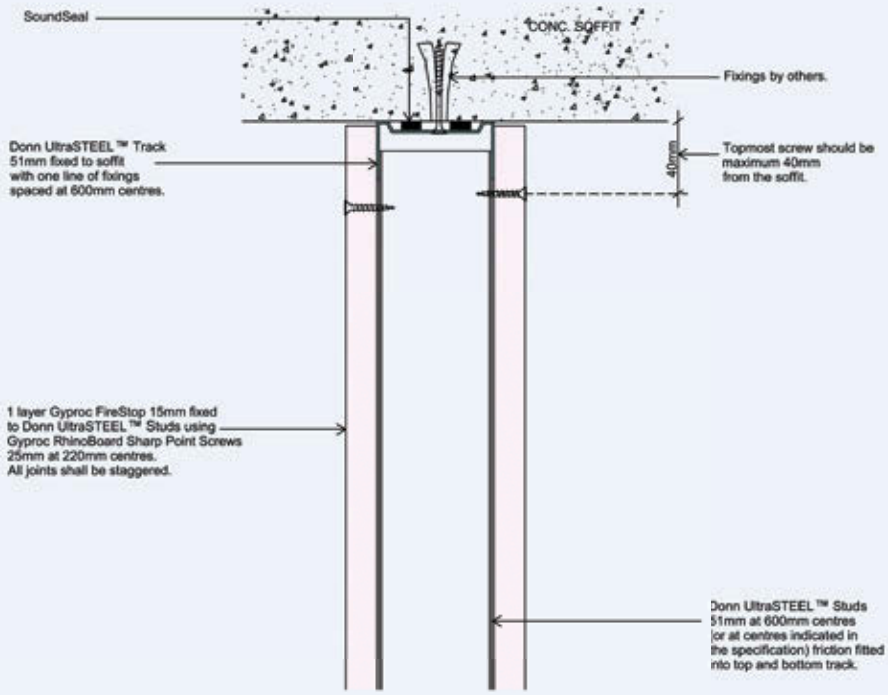


GypWall FireStop 51/F60S42 Illustration

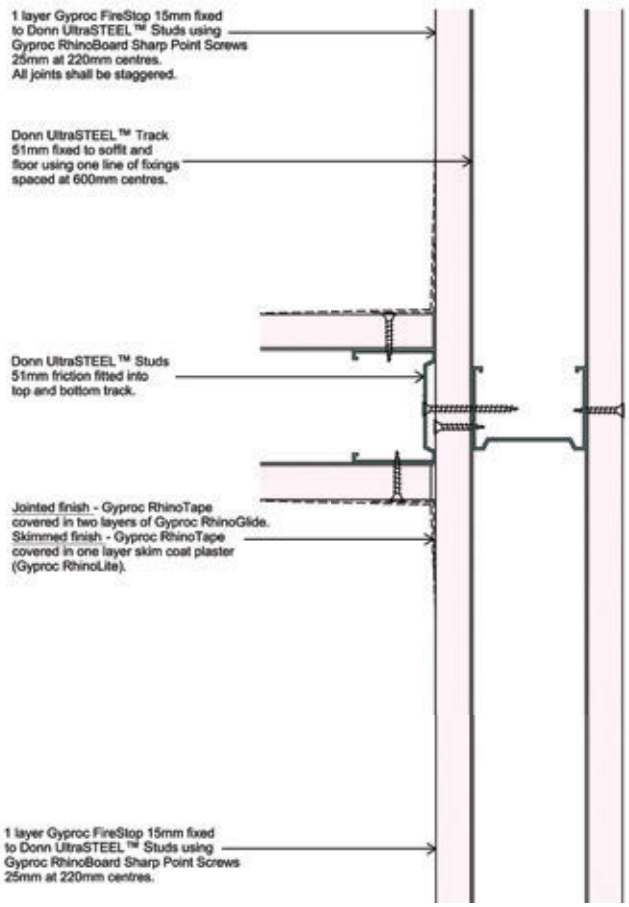
Layout



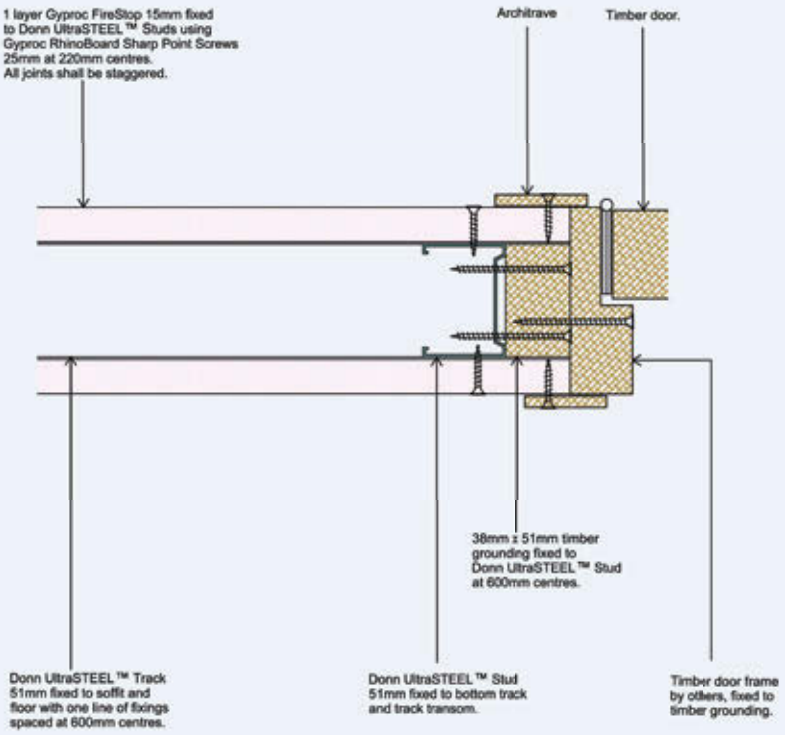
Head detail



T-junction detail



Timber door frame detail



GypWall FireStop | 51/F60S49

Nominal thickness (excluding finishes): **81mm**

Performance criteria


SANS 10177: Part 2: 60 minutes


SANS ISO 140-3:1995: Rw 49dB

Framework

Studs:	Donn UltraSTEEL™ Studs 51mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor track:	Donn UltraSTEEL™ Track 51mm x 25mm fixed with one line of fixings spaced at 600mm centres.
Head track:	Donn UltraSTEEL™ Track 51mm x 25mm fixed with one line of fixings spaced at 600mm centres. Adequate support shall be provided for the head track.

Apply two continuous beads of SoundSeal between the building structure and the framework.

Lining

1 layer Gyproc FireStop 15mm, sheet width 1200mm; fixed to both sides of the framework. All joints shall be staggered.
In wet areas replace layer of Gyproc FireStop 15mm with Gyproc MoistureResistant 15mm.
Screw first lining layer: Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres.

Cavity Insulation

Cavity insulation: Isover Cavitybatt, 63mm thick, 14kg/m² density.
Fit securely with closely butted joints leaving no gaps.

Finishing

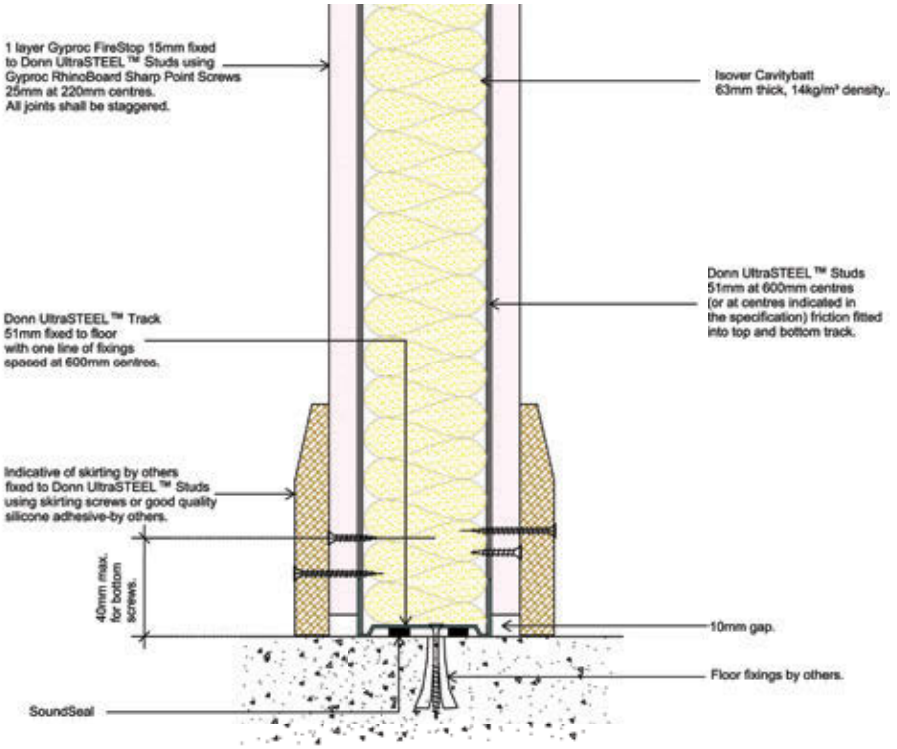
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using one layer of Gyproc RhinoLite.
Paint using a good quality oil based plaster primer. Apply paint as required.

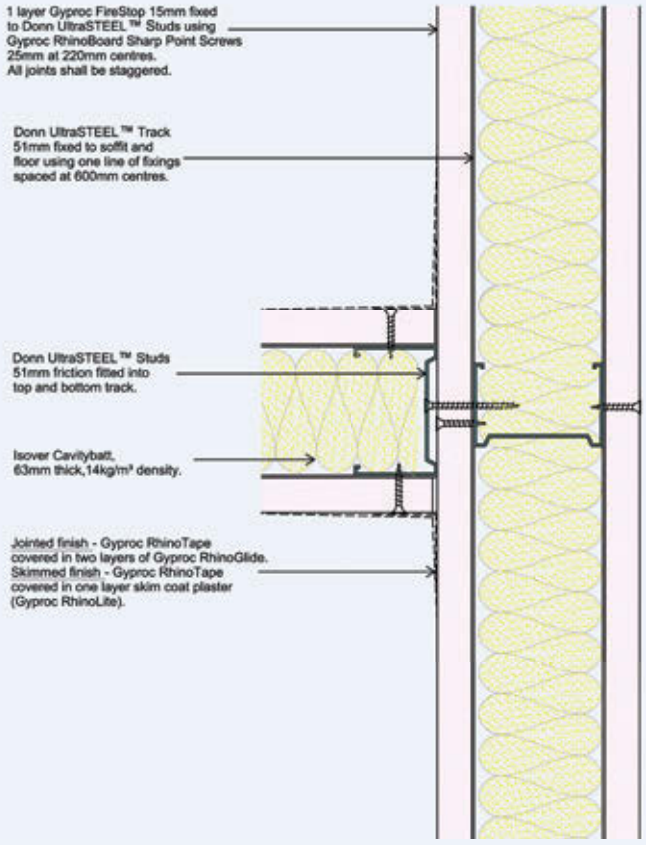
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop 51/F60S49 Illustration

Base detail

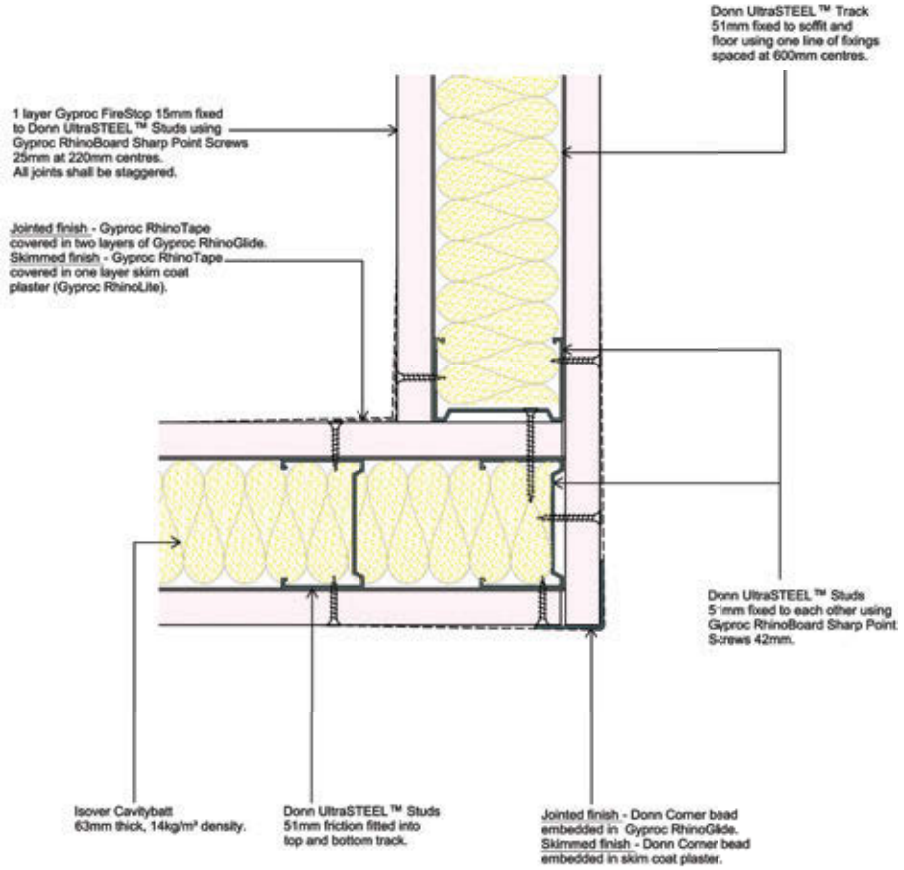


T-junction detail

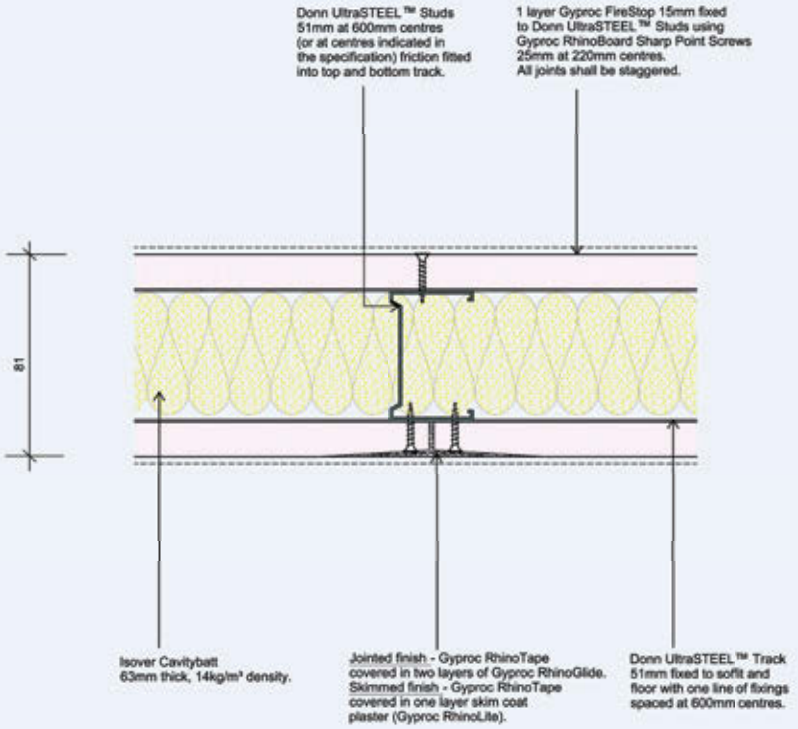


GypWall FireStop 51/F60S49 Illustration

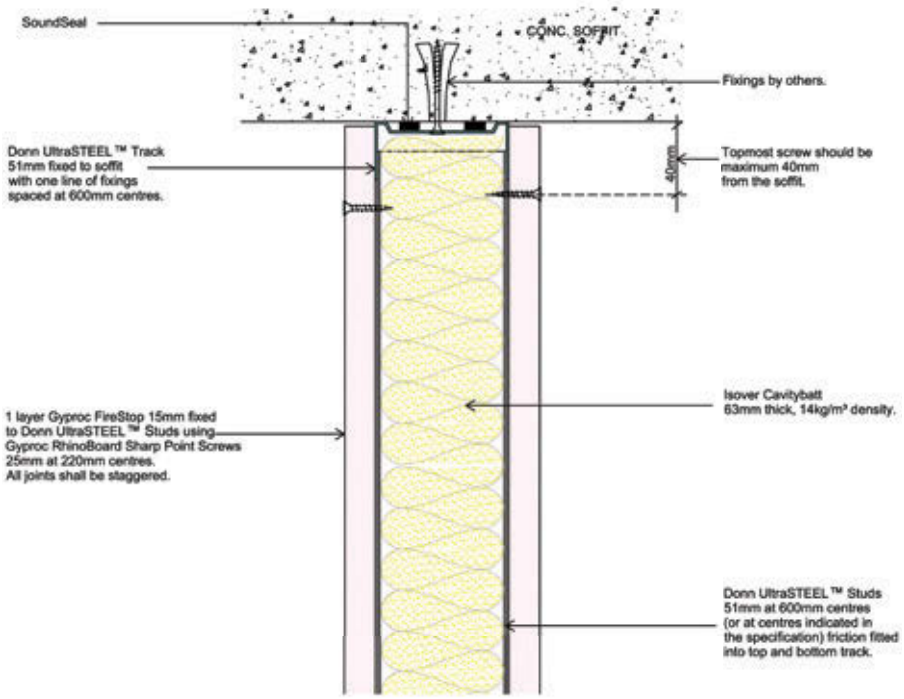
Corner detail



Layout



Head detail


SoundSeal
CONC. SOFFIT
Fixings by others.
Donn UltraSTEEL™ Track
51mm fixed to soffit
with one line of fixings
spaced at 600mm centres.
40mm
Topmost screw should be
maximum 40mm
from the soffit.
Isover Cavitybatt
63mm thick, 14kg/m³ density.
1 layer Gyproc FireStop 15mm fixed
to Donn UltraSTEEL™ Studs using
Gyproc RhinoBoard Sharp Point Screws
25mm at 220mm centres.
All joints shall be staggered.
Donn UltraSTEEL™ Studs
51mm at 600mm centres
(or at centres indicated in
the specification) friction fitted
into top and bottom track.

GypWall FireStop | 63/F60

Nominal thickness (excluding finishes): **89mm**

Performance criteria

SANS 10177: Part 2: 60 minutes

Framework

Studs:	Donn UltraSTEEL™ Studs 63.5mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres, depending on weight of tiles.
Floor Track:	Donn UltraSTEEL™ Track 63.5mm x 25mm fixed with one line of fixings spaced at 600mm centres.
Head Track:	Donn UltraSTEEL™ Track 63.5mm x 25mm fixed with one line of fixings spaced at 600mm centres. Adequate support shall be provided for head track. Donn Deep Track 63.5mm x 40mm shall be used in areas subject to deflection.
Deflection allowance:	Shall be determined by the project structural engineer.

Apply two continuous beads of SoundSeal between the building structure and framework.

Lining

1 layer Gyproc FireStop 12.5mm, sheet width 1200mm; to both sides of the framework. All joints shall be staggered.
In wet areas replace face layer of Gyproc FireStop 12.5mm with Gyproc MoistureResistant 12.5mm.
Screw first lining layer: Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres.

Cavity Insulation

Cavity insulation: Isover U Therm Board 6 insulation, 50mm thick.
Fit securely with closely butted joints, leaving no gaps.

Finishing

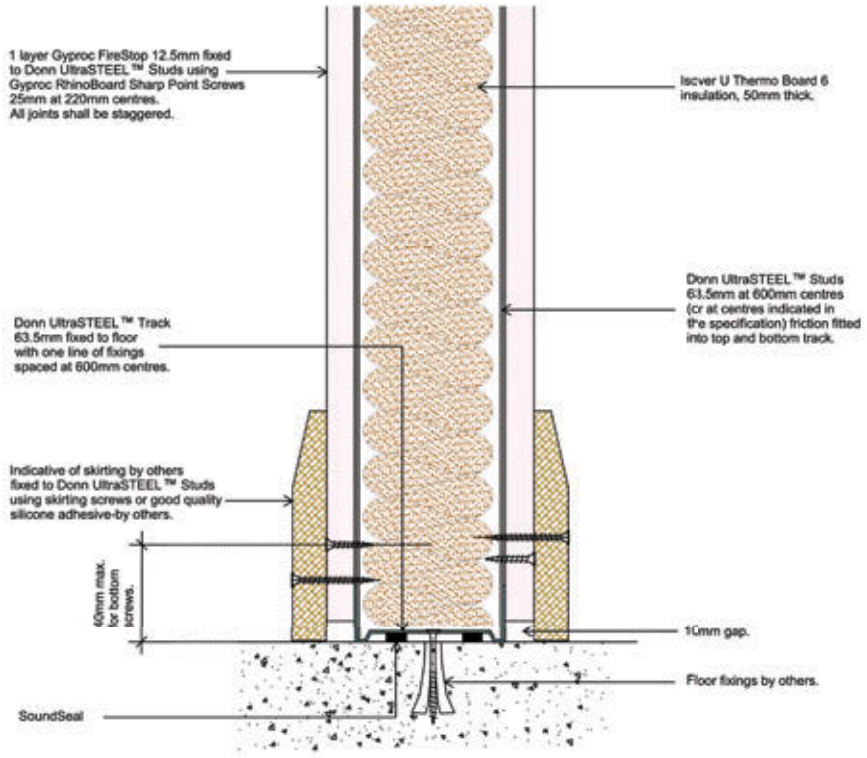
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover RhinoTape with one layer of RhinoLite. Skim the surface using one layer of Gyproc RhinoLite.
Paint using a good quality oil based plaster primer. Apply paint as required.

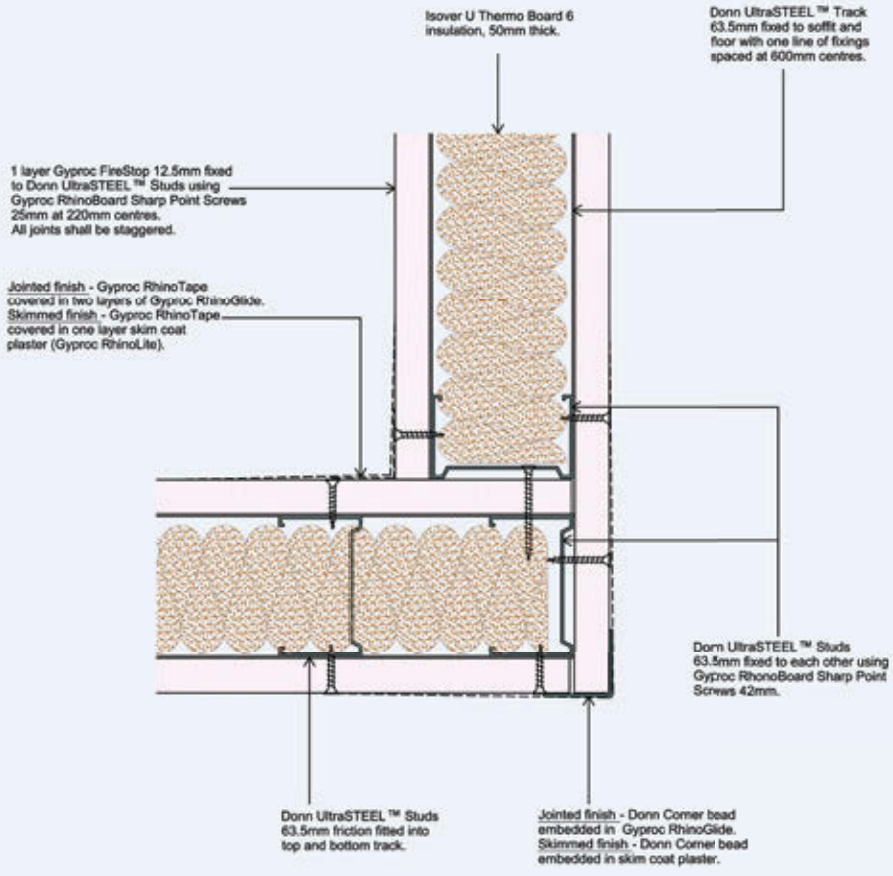
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop 63/F60 Illustration

Base detail

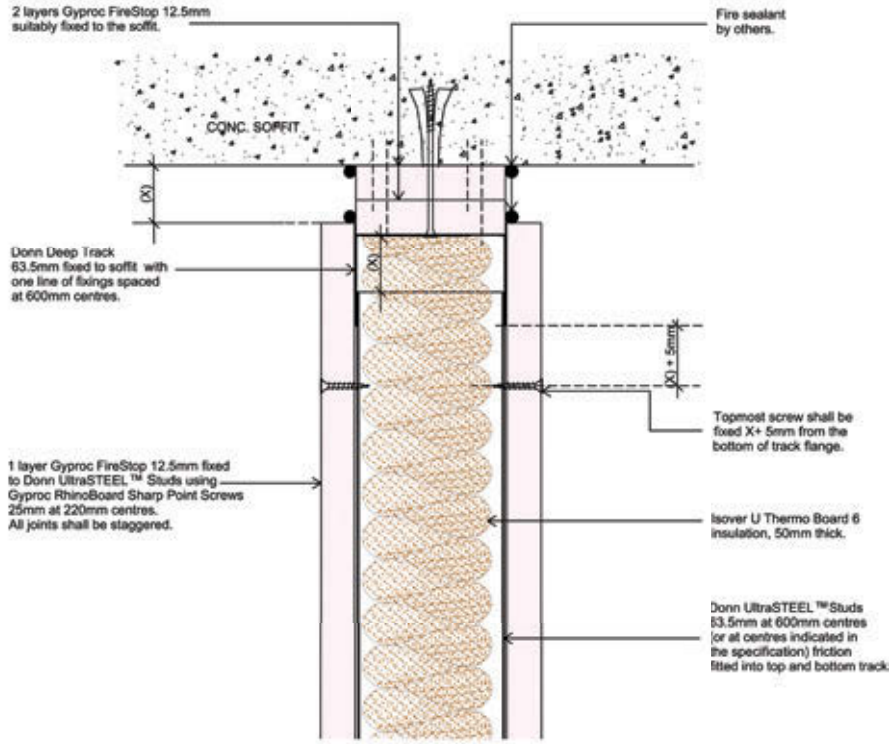


Corner detail

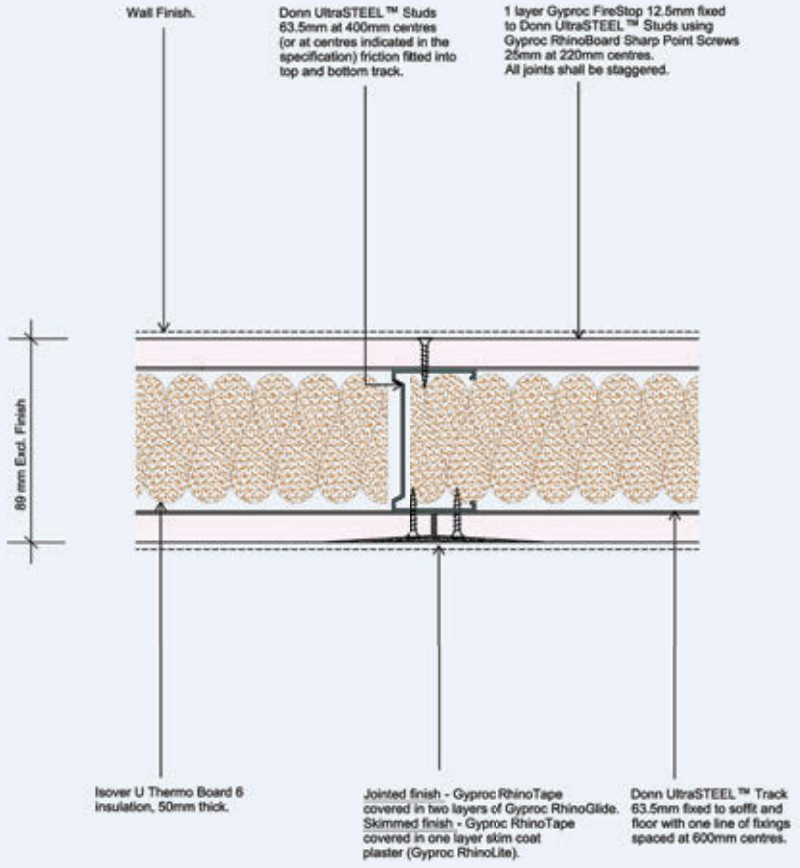


GypWall FireStop 63/F60 Illustration

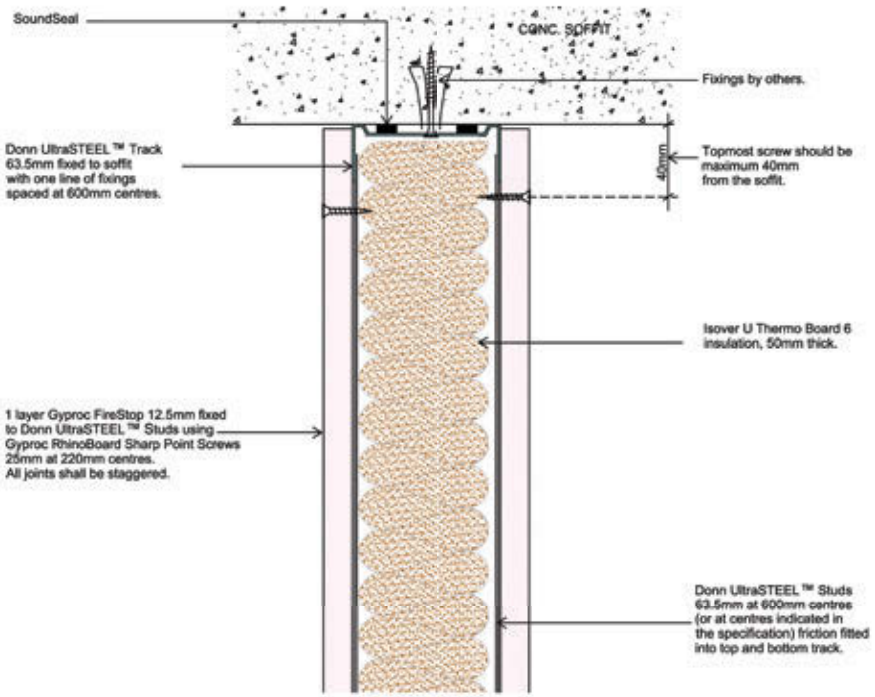
Deflection head detail



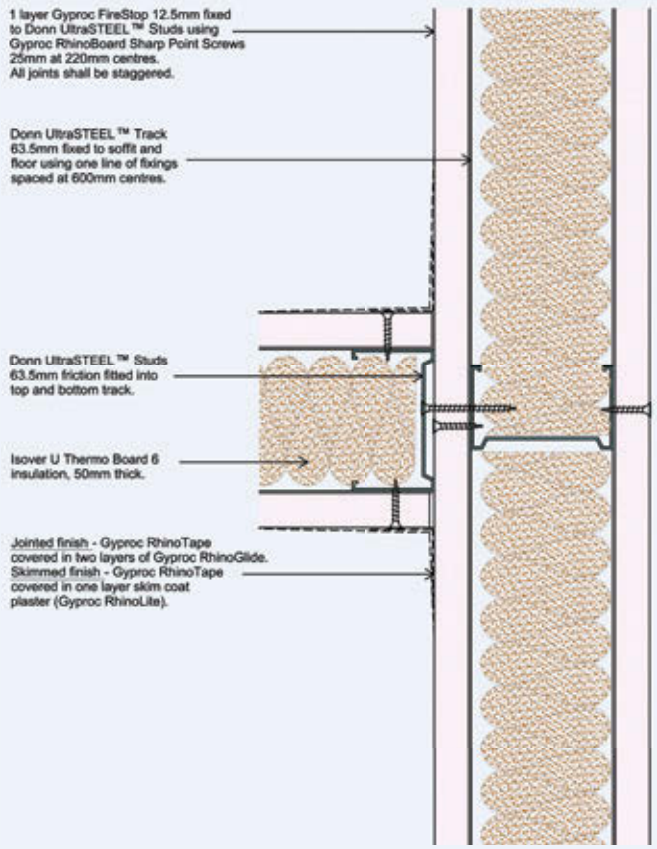
Layout



Head detail



T-junction detail



GypWall FireStop 63/F60 installation guide

Apply SoundSeal as a continuous application to the perimeter of the framework.

Determine and mark wall position and make allowance for openings. Fix Donn UltraSTEEL Track at 600mm centres using suitable fixings.

Measure the wall height and cut stud to size. Install the stud into UltraSTEEL Track.

Twist Donn UltraSTEEL Stud into place.

Ensure the stud is plumb and mark stud position.

Fix the UltraSTEEL Stud to the abutting wall at 600mm centres using suitable fixings.

Insert top UltraSTEEL Track into position.

Fasten the top UltraSTEEL Track at 600mm centres.

Insert UltraSTEEL Studs at 600mm centres to a friction fit within the channel sections – this allows for adjustment during boarding. Position the UltraSTEEL Studs so all face the same way.

Install Gyproc FireStop 15mm onto the framework using Gyproc RhinoBoard Sharp Point Screws 25x25mm.

After the boarding is complete, apply Gyproc RhinoTape to all joints.

Apply Gyproc RhinoGlide to the joints using a 150mm taping knife.

Fill all screw heads and apply a second layer of RhinoGlide using 300mm steel trowel.

GypWall FireStop | 102/F60S45

Nominal thickness (excluding finishes): **132mm**

Performance criteria


SANS 10177: Part 2: 60 minutes


SANS ISO 140-3:1995: Rw 45dB

Framework

Studs:	Donn UltraSTEEL™ Studs 102mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres.
Head track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres. Adequate support shall be provided for the head track. Donn Deep Track 102mm x 50mm shall be used in areas subject to deflection.
Deflection allowance:	Shall be determined by the project structural engineer.

Apply two continuous beads of SoundSeal between the building structure and the framework.

Lining

1 layer Gyproc FireStop 15mm, sheet width 1200mm; fixed to both sides of the framework. All joints shall be staggered.
In wet areas replace layer of Gyproc FireStop 15mm with Gyproc MoistureResistant 15mm.
Screw first lining layer: Gyproc RhinoBoard sharp point screws 3.5mm diameter x 25mm at maximum 220mm centres.

Finishing

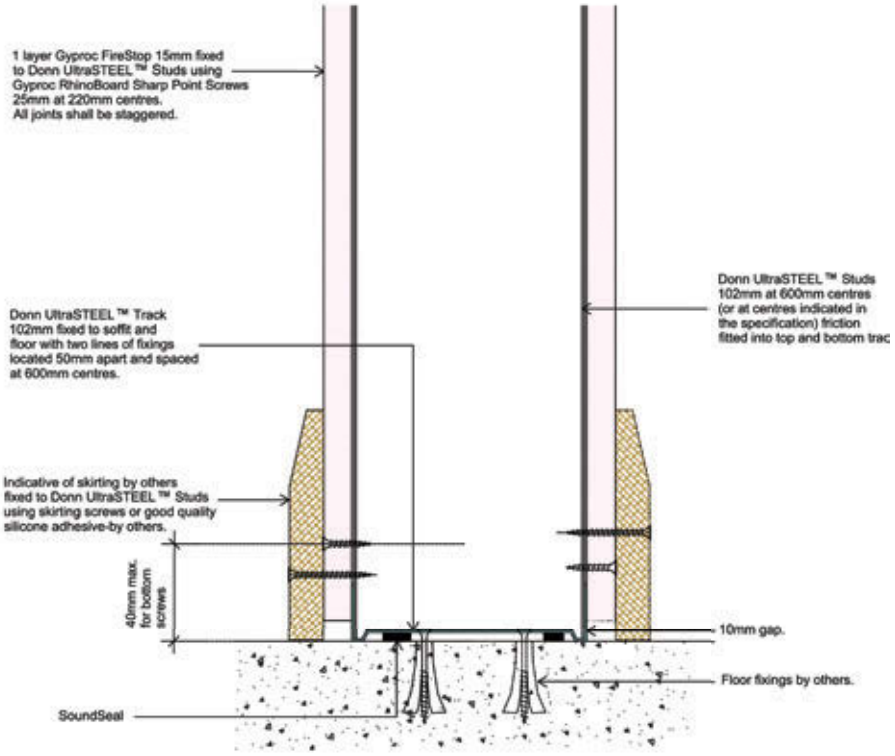
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using one layer of Gyproc RhinoLite.
Paint using a good quality oil based plaster primer. Apply paint as required.

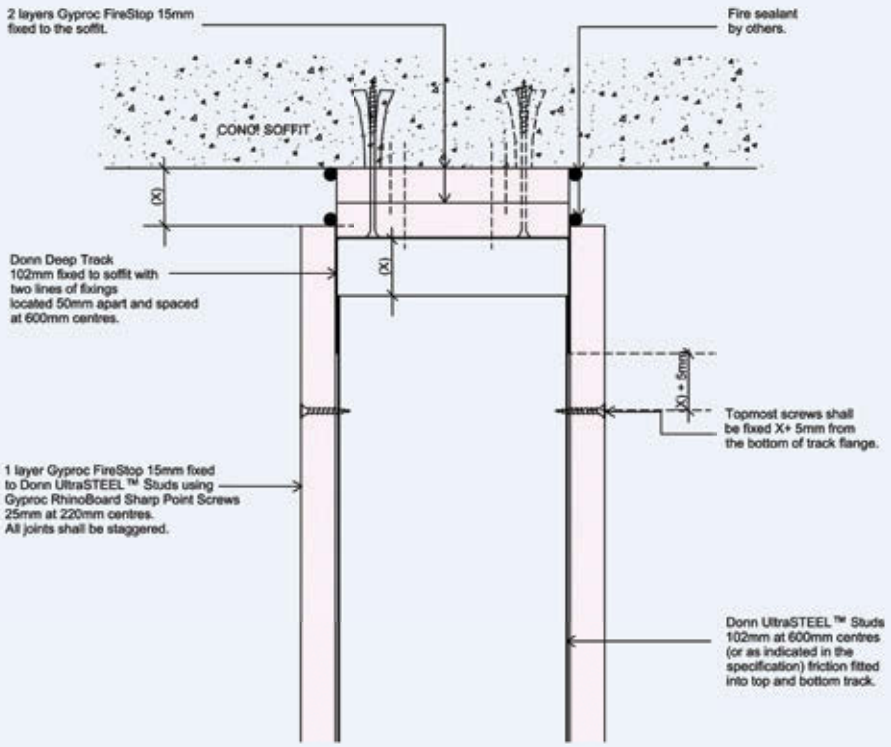
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop 102/F60S45 Illustration

Base detail

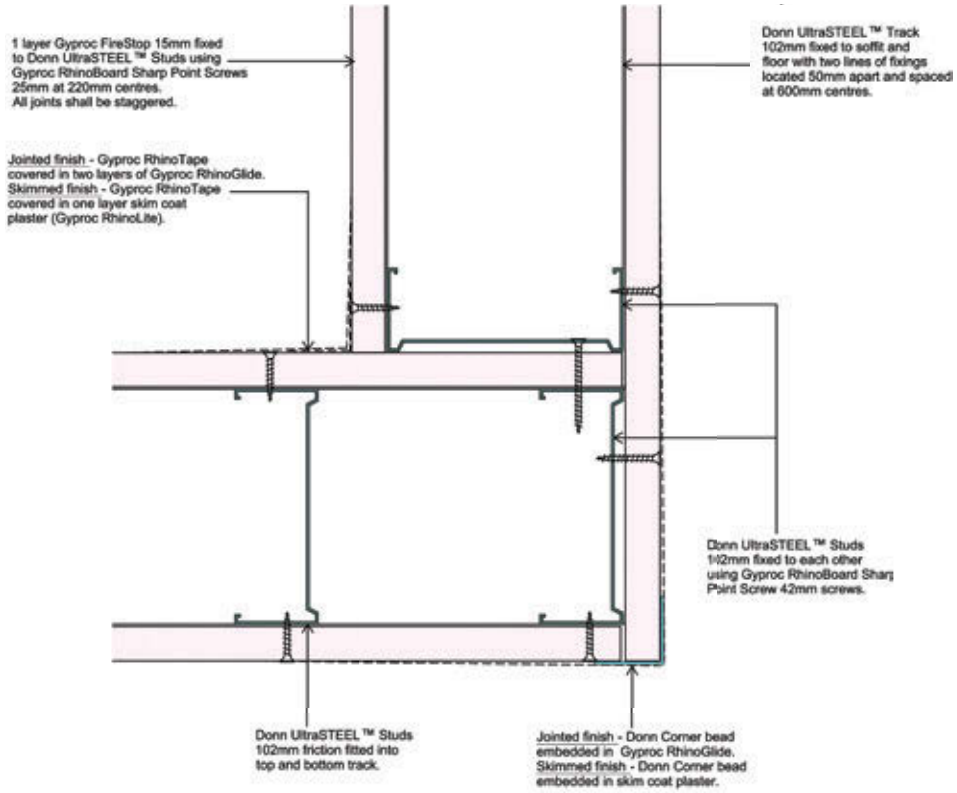


Deflection head detail (Xmm deflection)

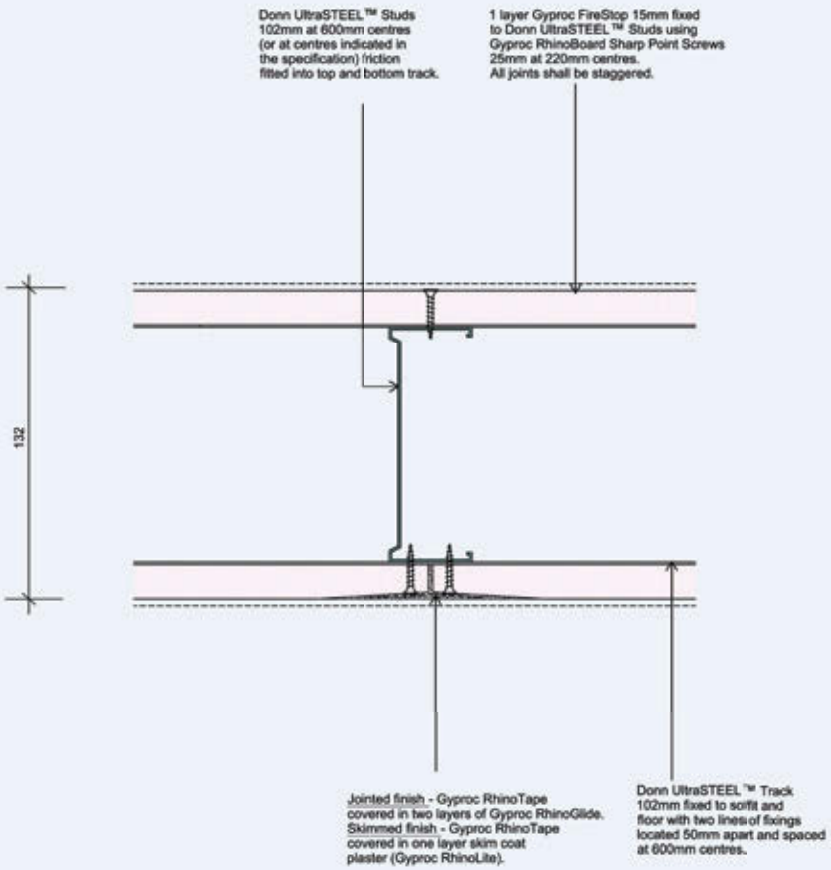


GypWall FireStop 102/F60S45 Illustration

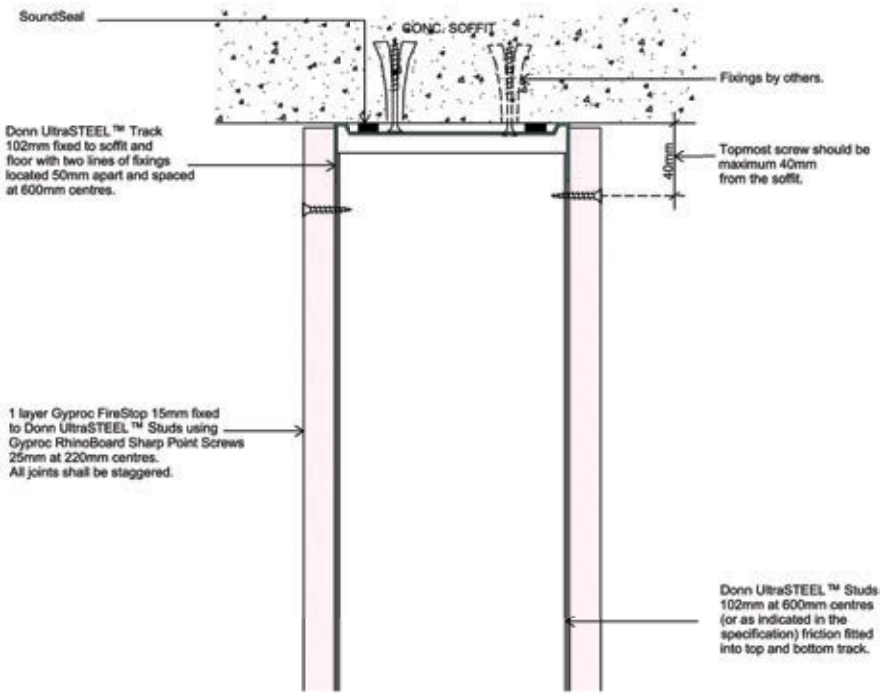
Corner detail



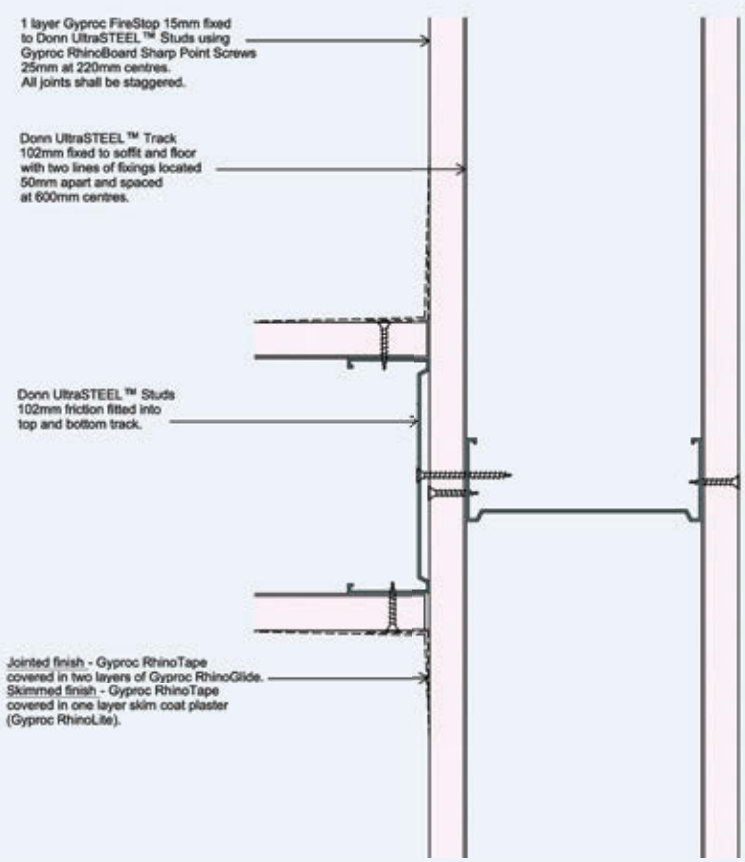
Layout



Head detail

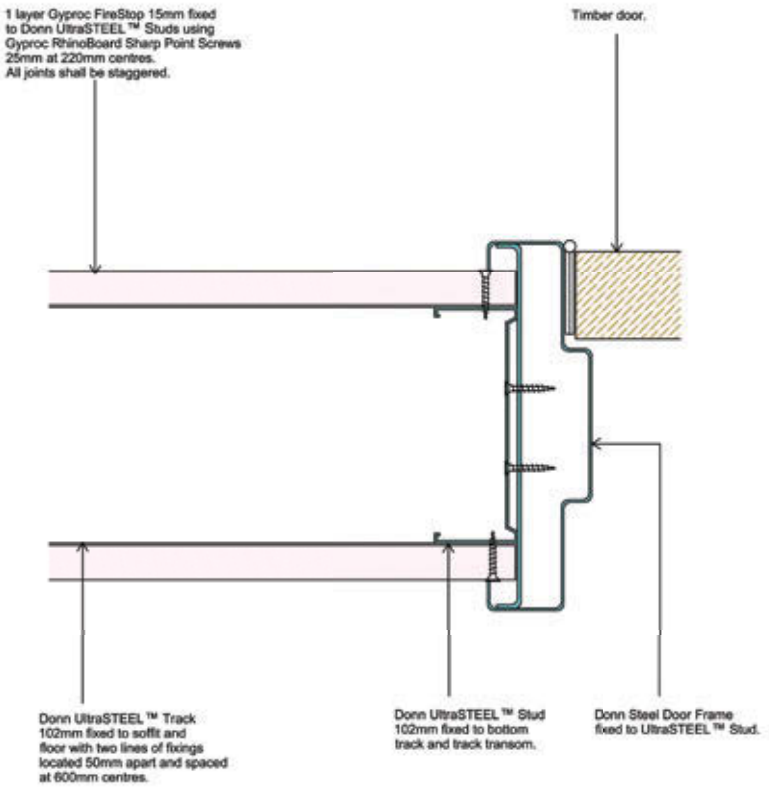


T-junction detail

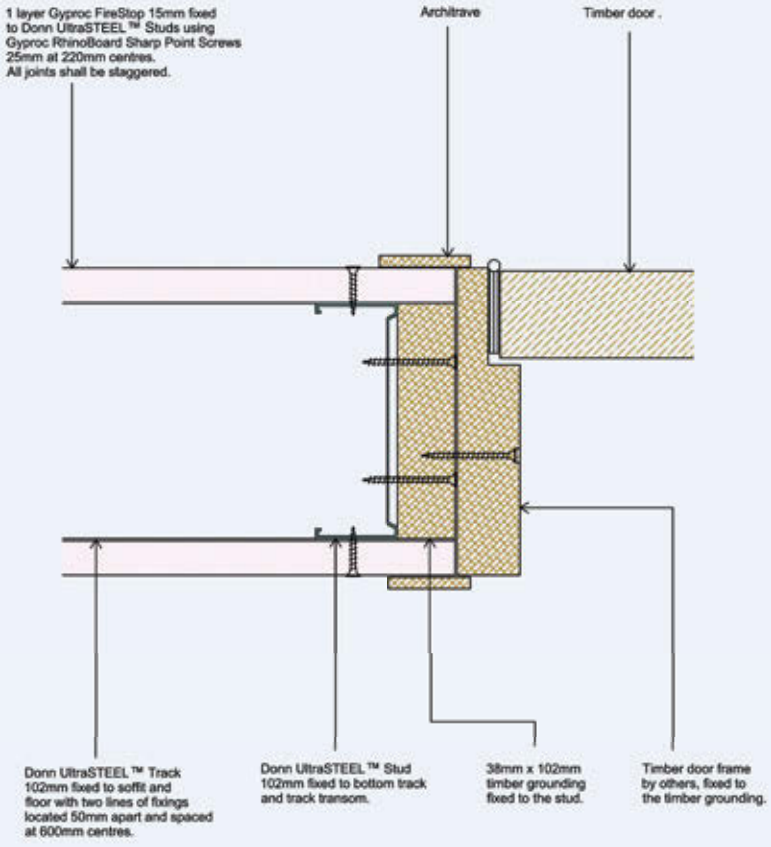


GypWall FireStop 102/F60S45 Illustration

Steel door frame detail



Timber door frame detail



Freedom Park,
Museum, Tshwane

GypWall FireStop | 102/F60S52

Nominal thickness (excluding finishes): **132mm**

Performance criteria


SANS 10177: Part 2: 60 minutes


SANS ISO 140-3:1995: Rw 52dB

Framework

Studs:	Donn UltraSTEEL™ Studs 102mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres.
Head track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres. Adequate support shall be provided for the head track. Donn Deep Track 102mm x 50mm shall be used in areas subject to deflection.
Deflection allowance:	Shall be determined by the project structural engineer.

Apply two continuous beads of SoundSeal between the building structure and the framework.

Lining

1 layer Gyproc FireStop 15mm, sheet width 1200mm; fixed to both sides of the framework. All joints shall be staggered.
In wet areas replace layer of Gyproc FireStop 15mm with Gyproc MoistureResistant 15mm.
Screw first lining layer: Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres.

Cavity Insulation

Cavity insulation: Isover Cavitybatt, 102mm thick, 14kg/m² density.
Fit securely with closely butted joints, leaving no gaps.

Finishing

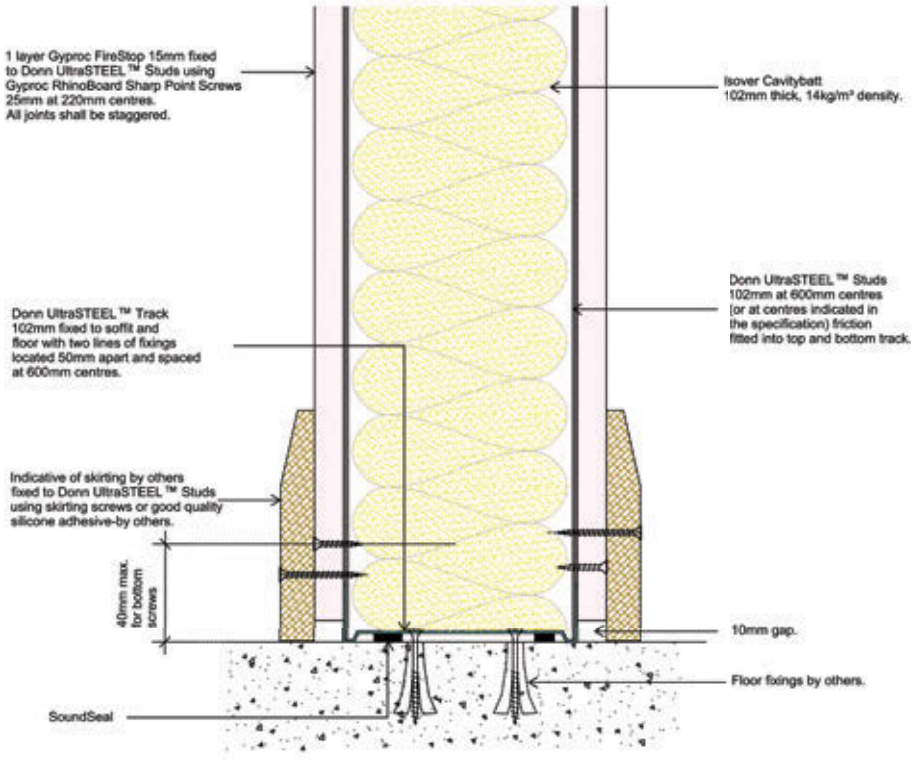
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using one layer of Gyproc RhinoLite.
Paint using a good quality oil based plaster primer. Apply paint as required.

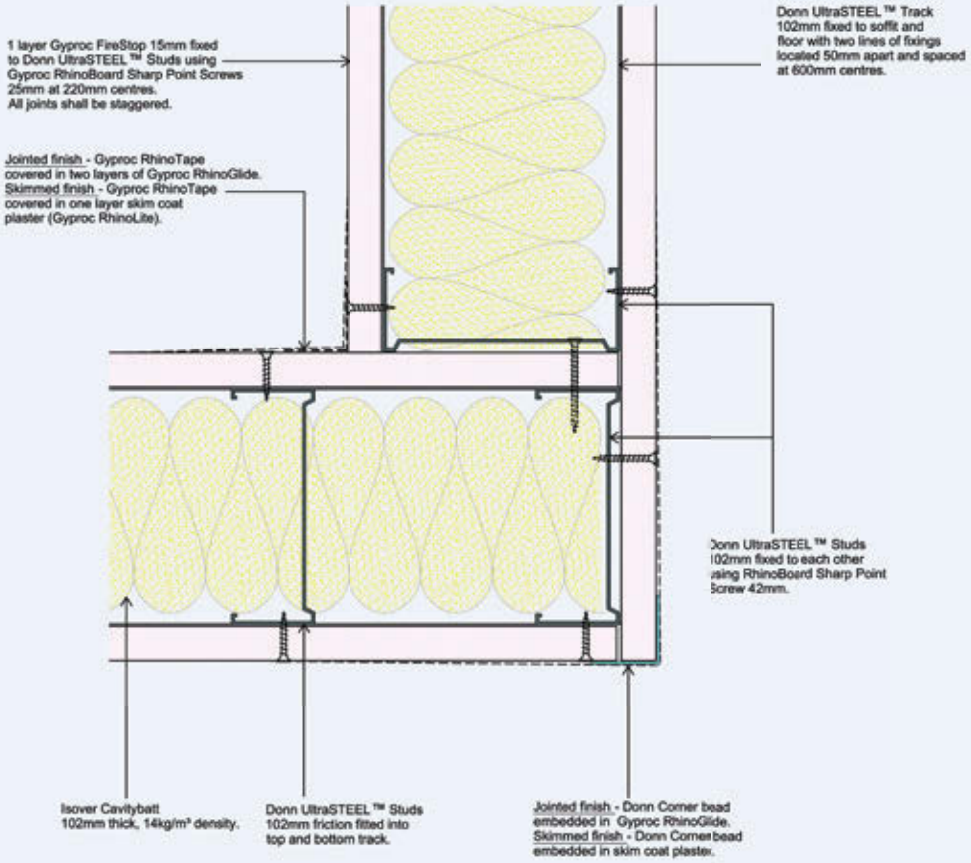
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop 102/F60S52 Illustration

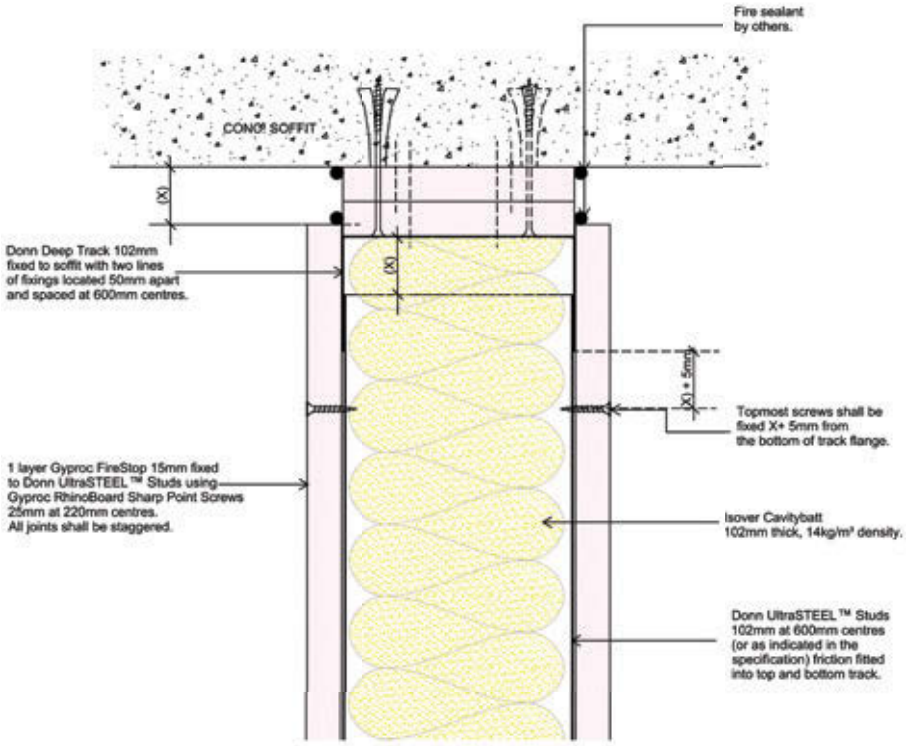
Base detail



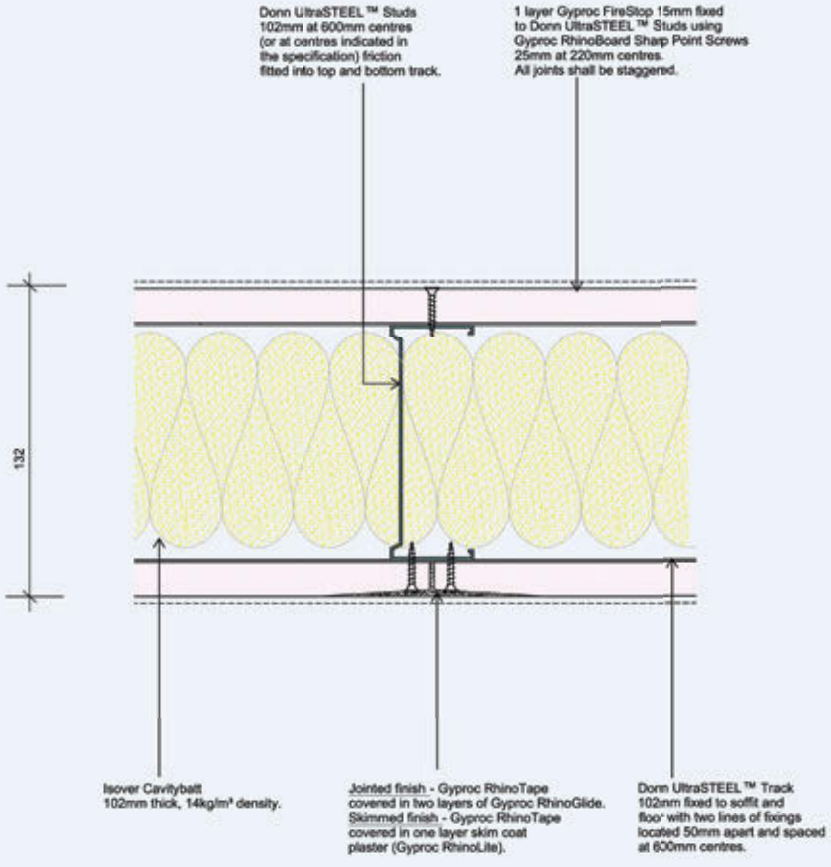
Corner detail



Deflection head detail (Xmm deflection)

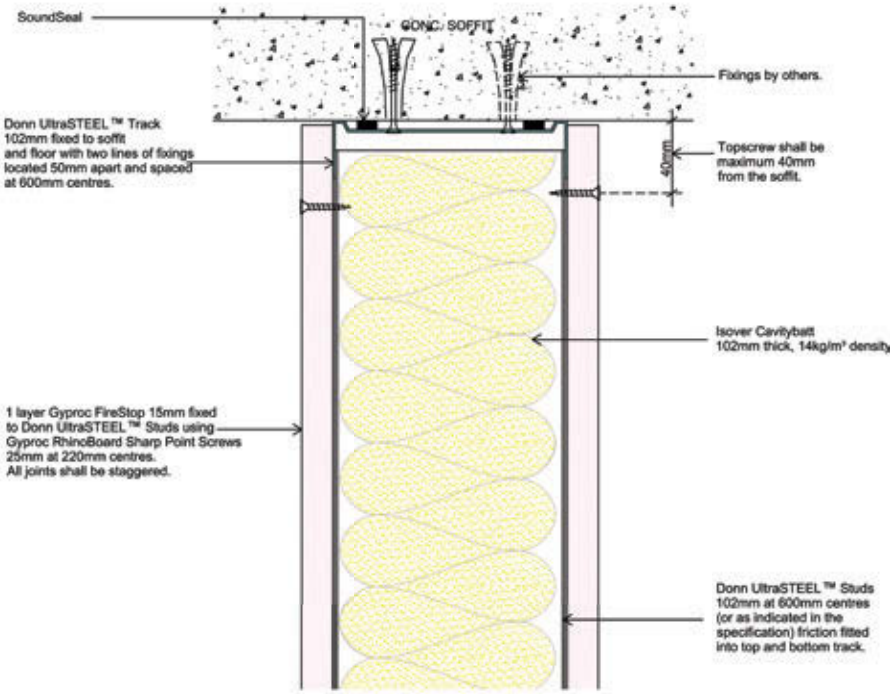


Layout

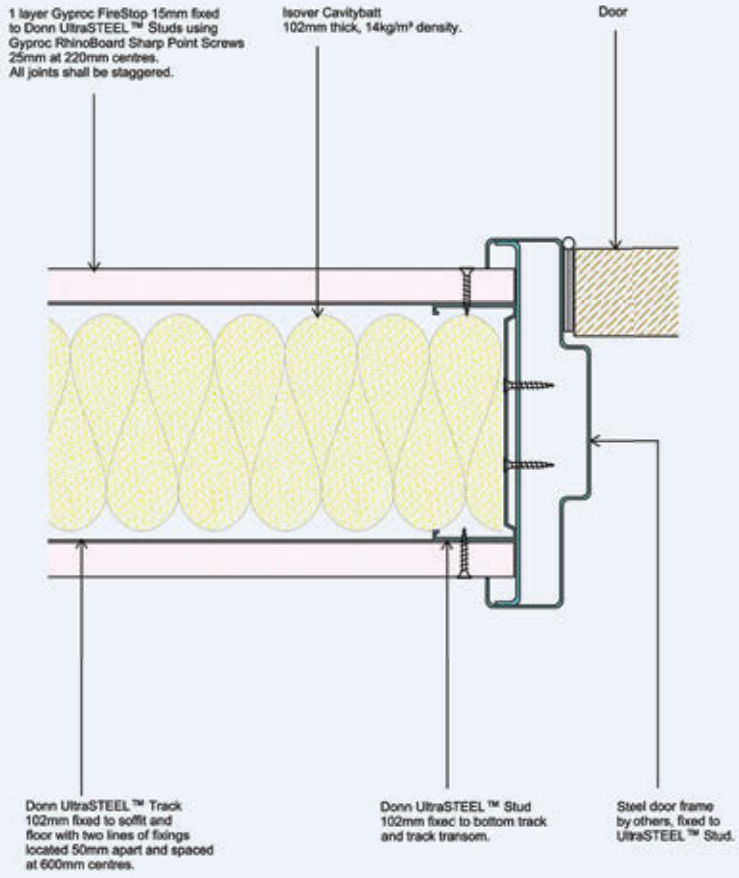


GypWall FireStop 102/F60S52 Illustration

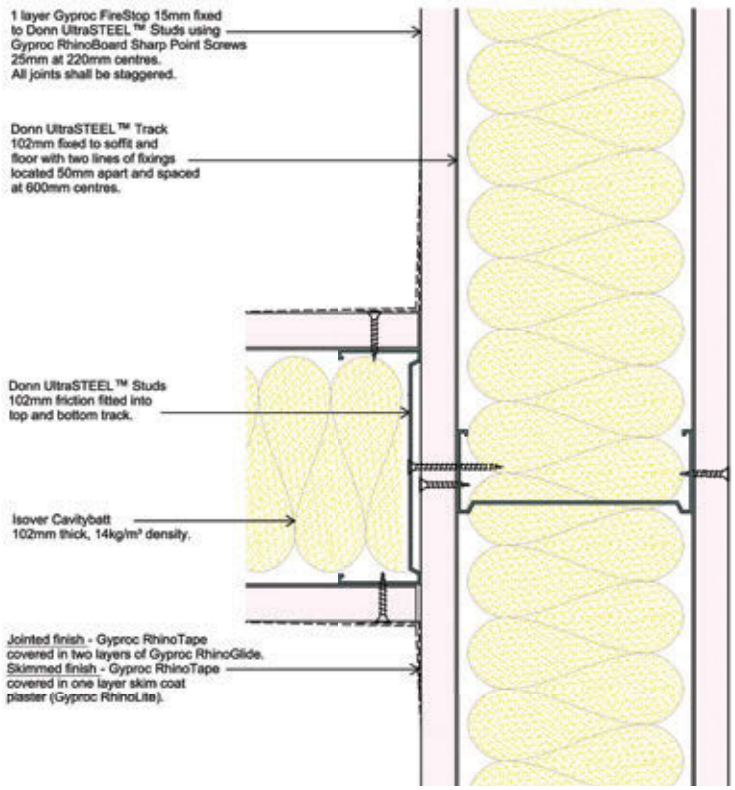
Head detail



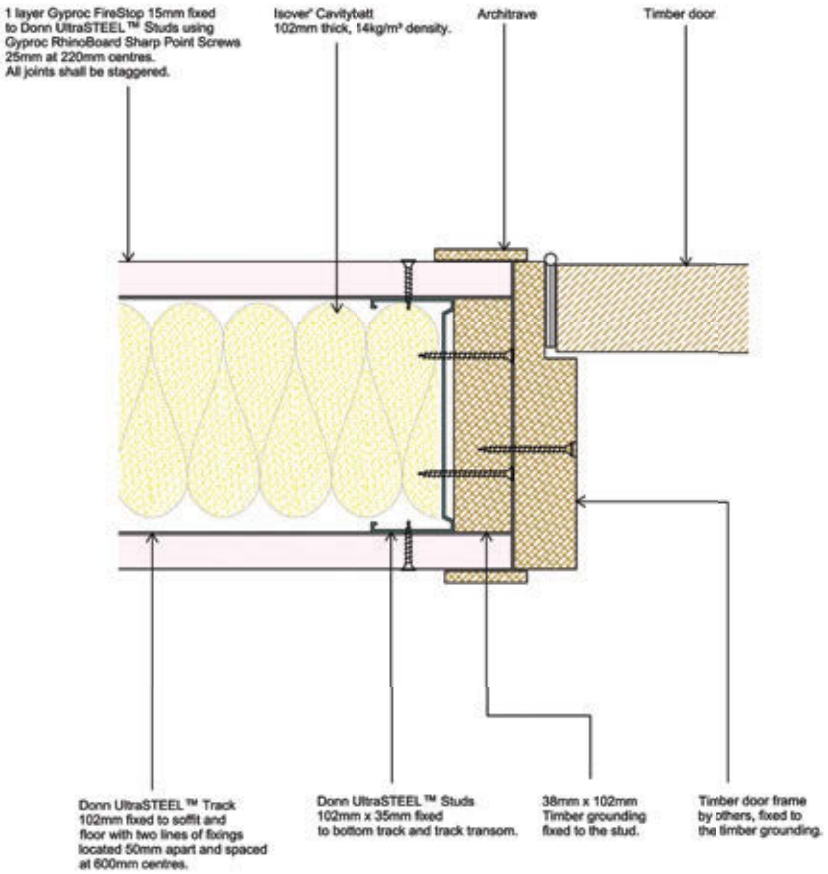
Steel door frame detail



T-junction detail



Timber door frame detail



Air France, O.R. Tambo International Airport

GypWall FireStop HiSpec | 63/F120S50

Nominal thickness (excluding finishes): **119mm**

Performance criteria


SANS 10177: Part 2: 120 minutes


SANS ISO 140-3:1995: Rw 50dB

Framework

Studs:	Donn UltraSTEEL Studs 63.5mm x 35mm at 600mm centres at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor track:	Donn UltraSTEEL Track 63.5mm x 25mm fixed with one line of fixings spaced at 600mm centres.
Head track:	Donn Deep Track 63.5mm x 40mm fixed with one line of fixings spaced at 600mm centres. Adequate support shall be provided for head track. Donn Deep Track 63.5mm x 40mm shall be used in areas subject to deflection.
Deflection allowance:	Shall be determined by the project structural engineer.

Apply two continuous beads of SoundSeal between the building structure and the framework.

Lining

Base Layer: layer Gyproc FireStop 15mm, sheet width 1200mm; fixed to both sides of framing. All joints shall be staggered.
Face Layer: layer Gyproc FireStop 12.5 mm, sheet width 1200mm; fixed to both sides of framing. All joints shall be staggered.
In wet areas replace face layer of Gyproc FireStop 12.5mm with Gyproc MoistureResistant 12.5mm.
Screw first lining layer (base layer): Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres.
Screw second lining layer (face layer): Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm at maximum 220mm centres.

Finishing

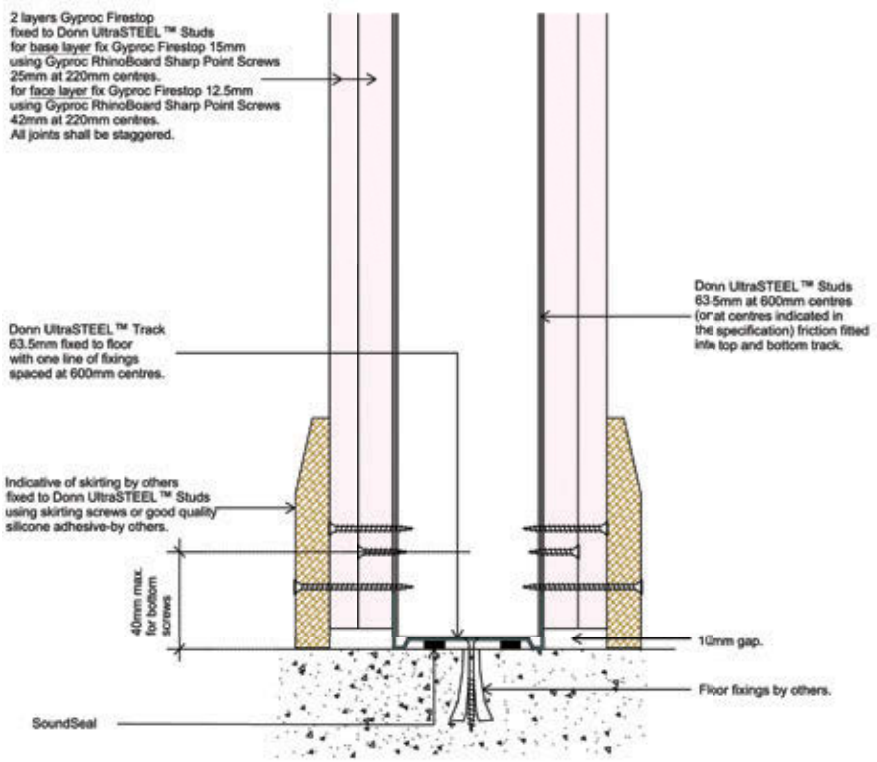
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using one layer of Gyproc RhinoLite.
Paint using a good quality oil based plaster primer. Apply paint as required as required.

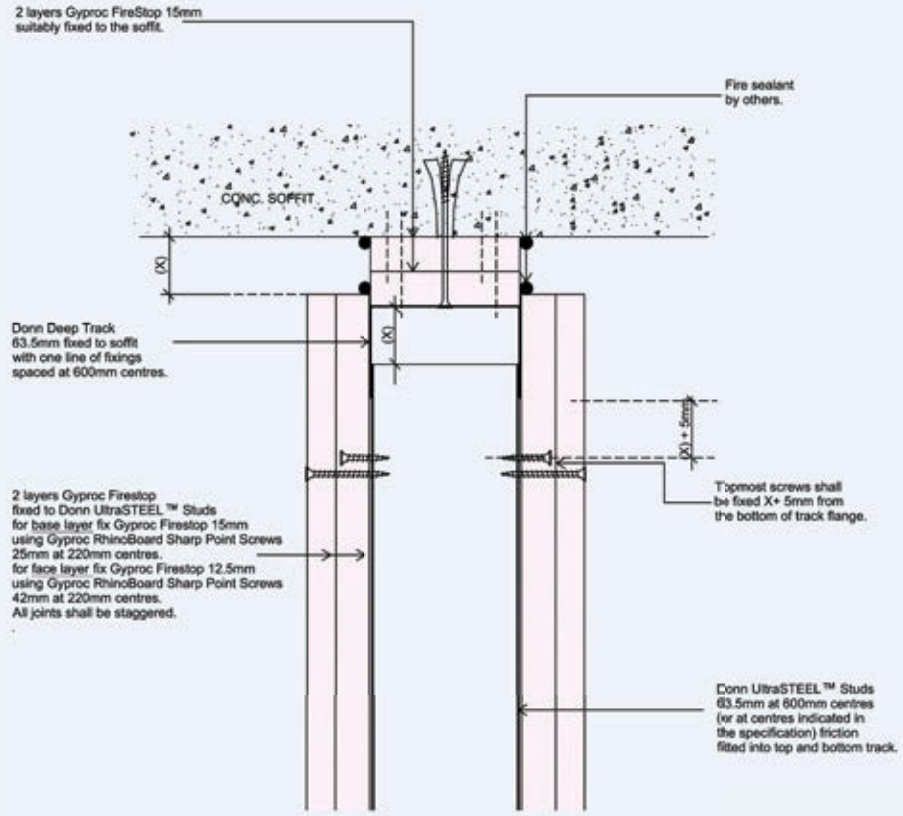
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop HiSpec 63/F120S50 Illustration

Base detail

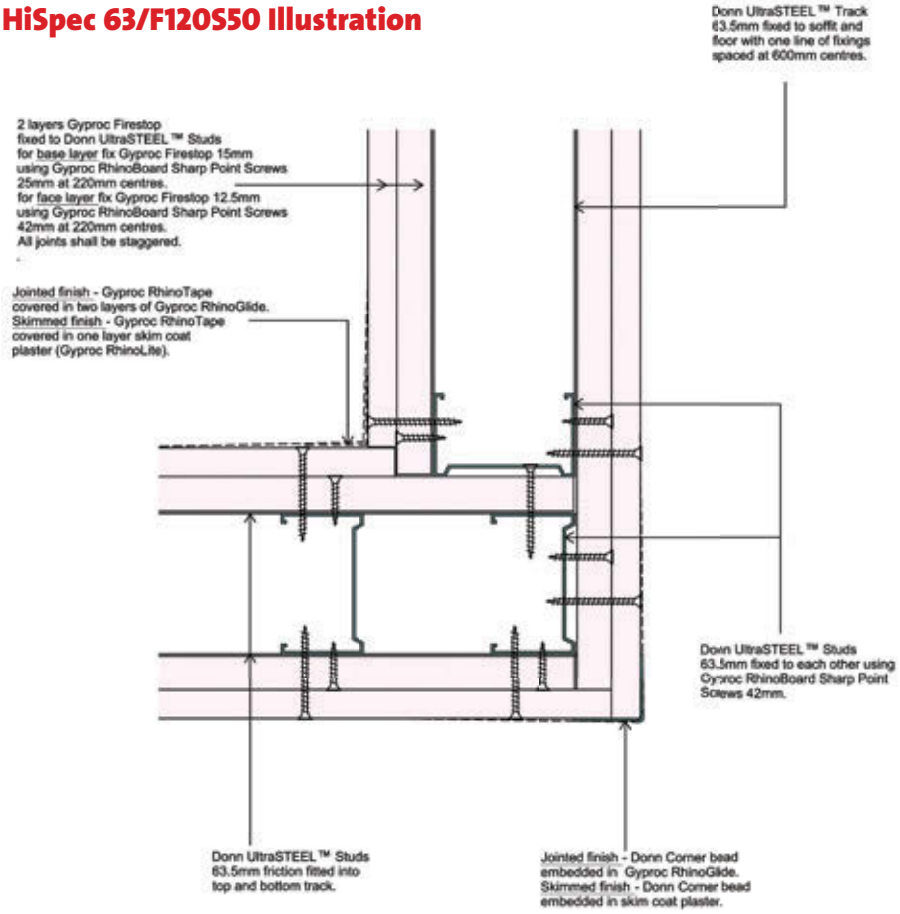


Deflection head detail (Xmm deflection)

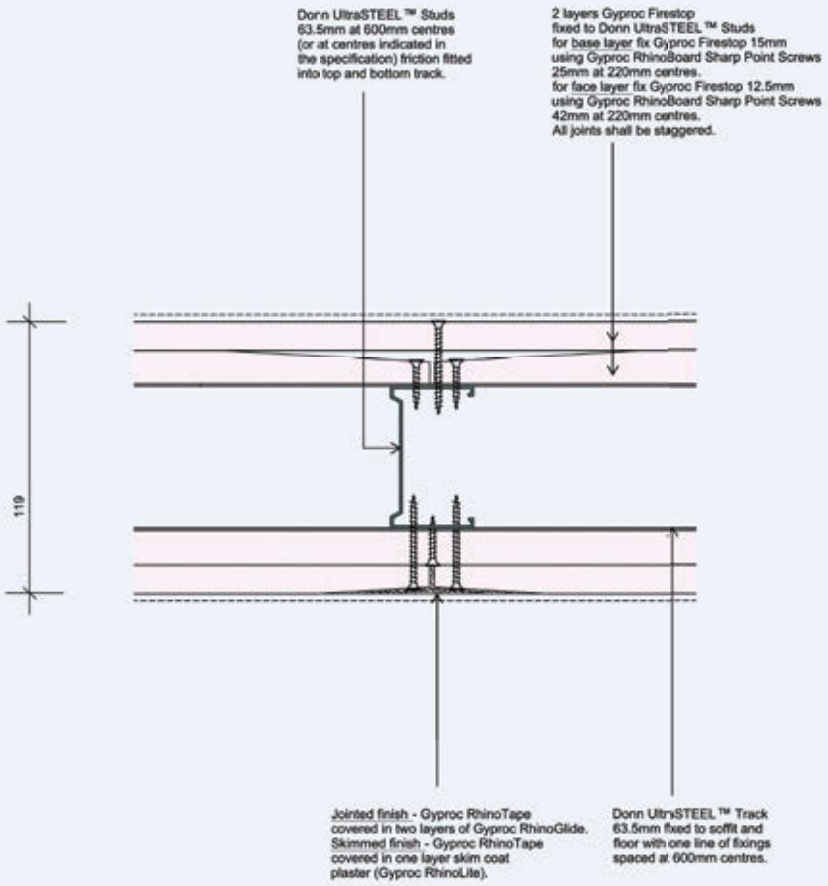


GypWall FireStop HiSpec 63/F120S50 Illustration

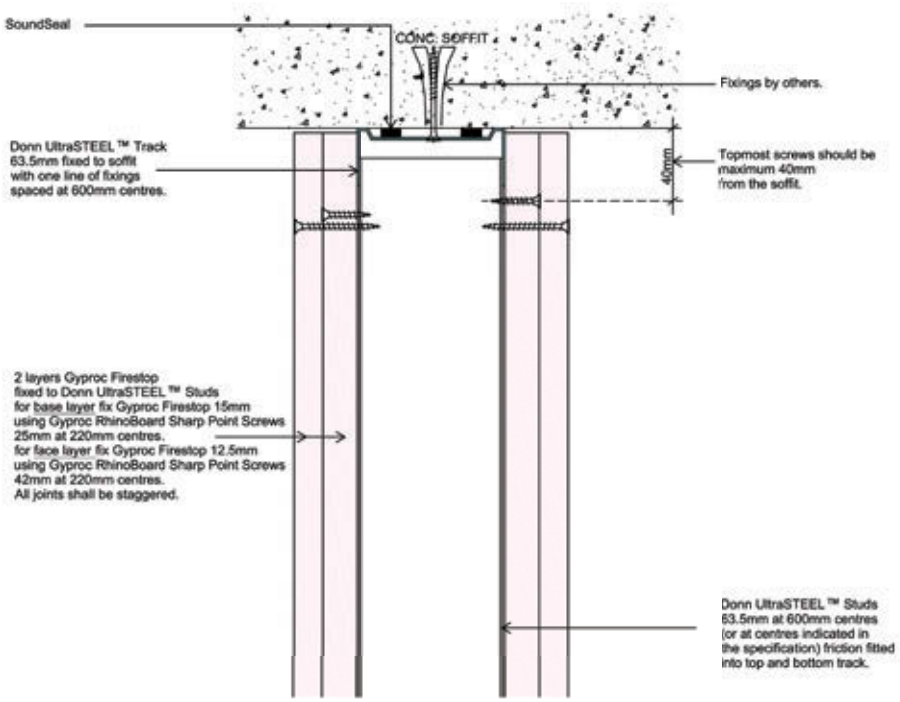
Corner detail



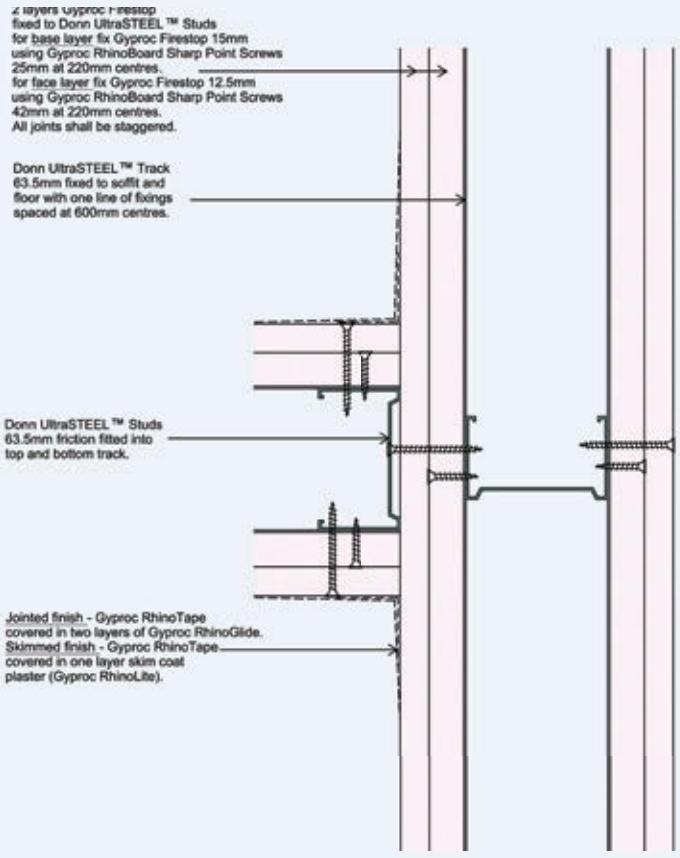
Layout



Head detail

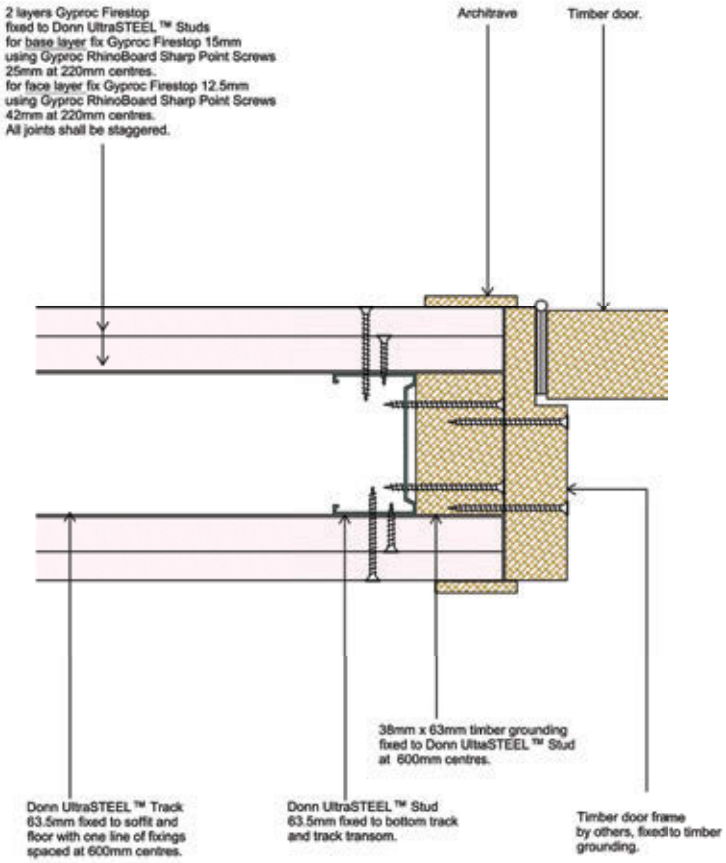


T-junction detail



GypWall FireStop HiSpec 63/F120S50 Illustration

Timber door frame detail



The Pearls, Umhlanga

GypWall FireStop HiSpec installation guide

Apply SoundSeal as a continuous application to the perimeter of the framework.

Determine and mark wall position and make allowance for openings. Fix Donn UltraSTEEL Floor Track at 600mm centres using suitable fixings.

Measure the wall height and cut stud to size. Install the stud into UltraSTEEL Floor Track.

Twist Donn UltraSTEEL Stud into place.

Ensure the stud is plumb and mark stud position.

Fix the UltraSTEEL Stud to the abutting wall at 600mm centres using suitable fixings.

Insert top Donn UltraSTEEL Track into position.

Fasten the top UltraSTEEL Track at 600mm centres.

GypWall FireStop installation guide (cont.)

Insert UltraSTEEL Studs at 600mm centres to a friction fit within the channel sections – this allows for adjustment during boarding. Position the UltraSTEEL Studs so all face the same way.

Install Isover Cavitybatt 63mm between the studs progressively as boarding proceeds.
After installation of the Cavitybatt, install Gyproc FireStop 15mm onto the framework using Gyproc RhinoBoard Sharp Point Screws 25x25mm.

After the first layer of Gyproc FireStop 15mm is fixed, proceed with installation of second layer of Gyproc FireStop 15mm.

After the boarding is complete, apply Gyproc RhinoTape to all joints.

Apply Gyproc RhinoGlide to the joints using a 150mm taping knife.

Fill all screw heads and apply a second coat of RhinoGlide using a 300mm steel trowel.

GypWall FireStop HiSpec | 102/F120S52

Nominal thickness (excluding finishes): **162mm**

Performance criteria

SANS 10177: Part 2: 120 minutes

SANS ISO 140-3:1995: Rw 52dB

Framework

Studs:	Donn UltraSTEEL™ Studs 102mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres.
Head track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres. Adequate support shall be provided for the head track. Donn Deep Track 102mm x 50mm shall be used in areas subject to deflection.
Deflection allowance:	Shall be determined by the project structural engineer.

Apply two continuous beads of SoundSeal between the building structure and the framework.

Lining

2 layers Gyproc FireStop 15mm, sheet width 1200mm; fixed to both sides of framing. All joints shall be staggered.
In wet areas replace face layer of Gyproc FireStop 15mm with Gyproc MoistureResistant 15mm.
Screw first lining layer: Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres.
Screw second lining layer: Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 42mm at maximum 220mm centres.

Finishing

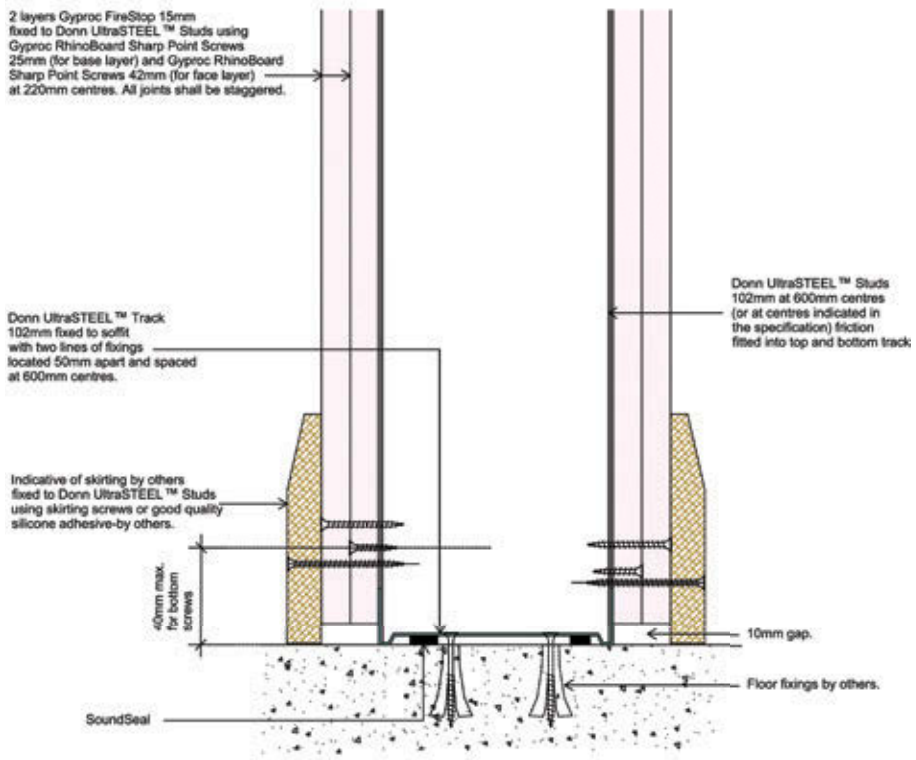
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide.
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using one layer of Gyproc RhinoLite
Paint using a good quality oil based plaster primer. Apply paint as required.

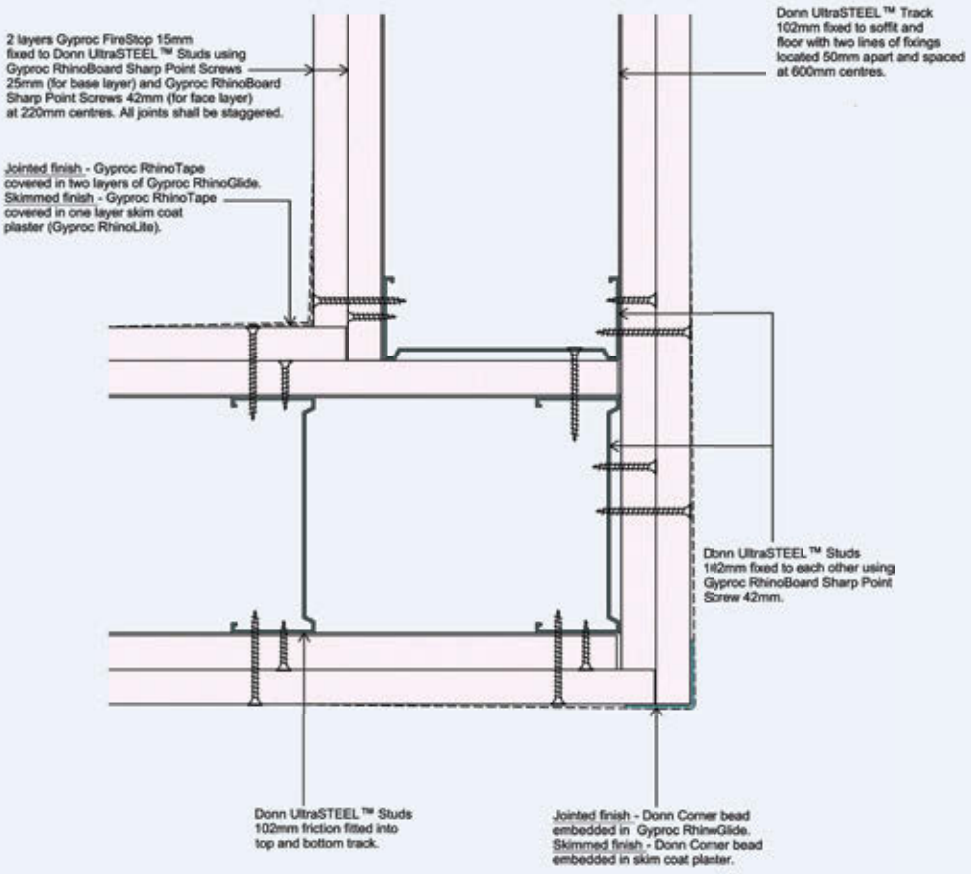
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop HiSpec 102/F120S52 Illustration

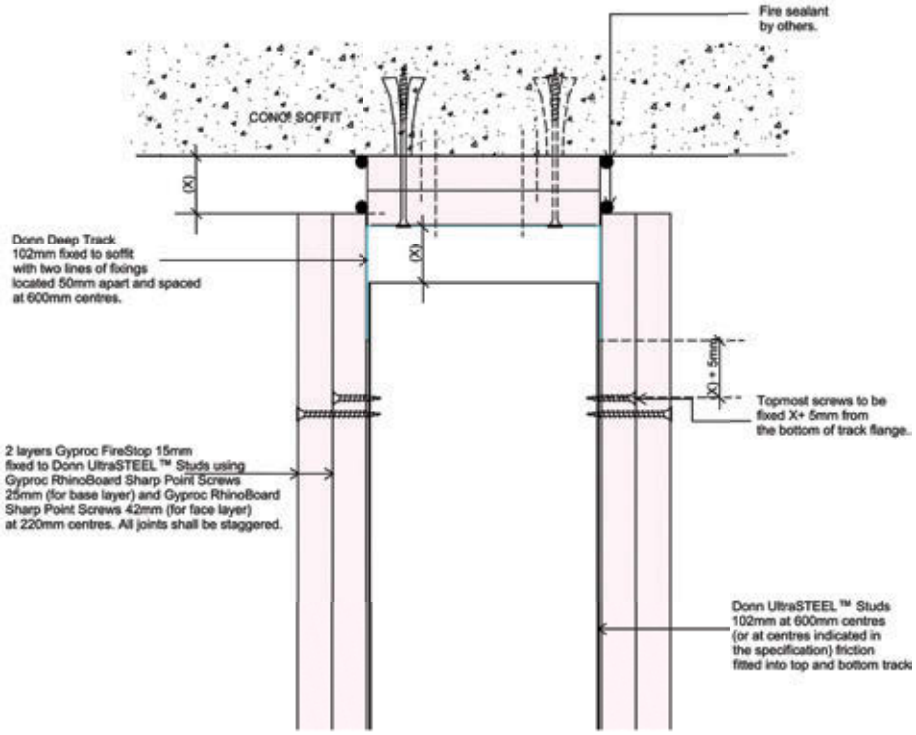
Base detail



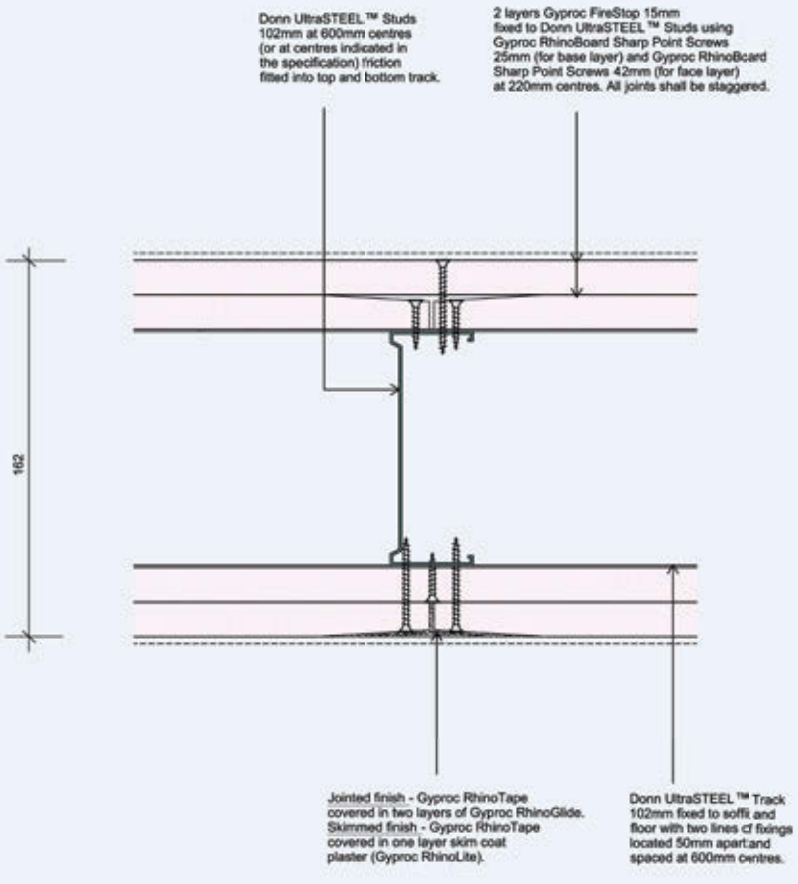
Corner detail



Deflection head detail (Xmm deflection)

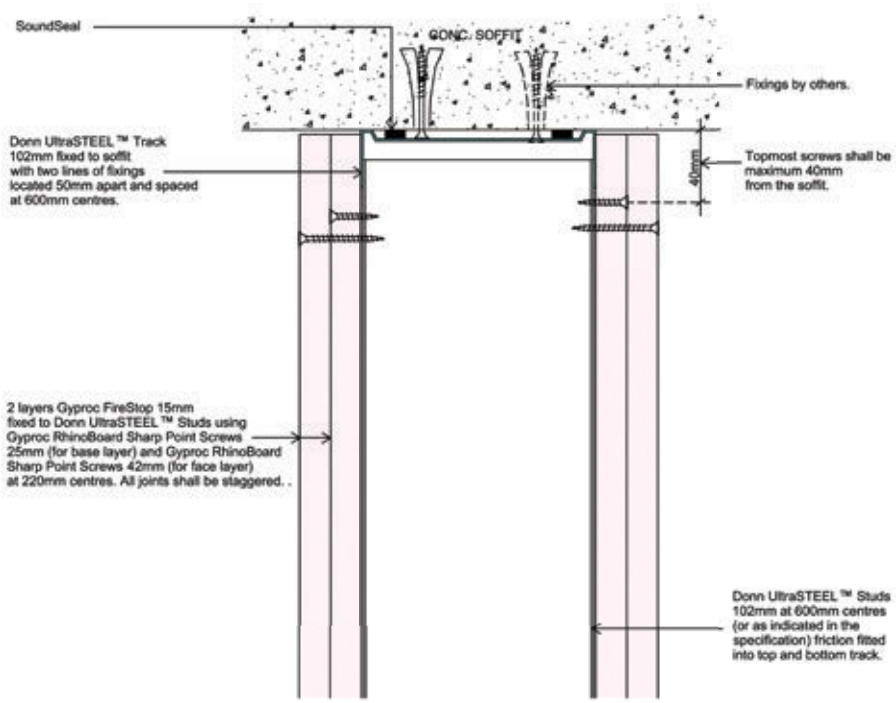


Layout

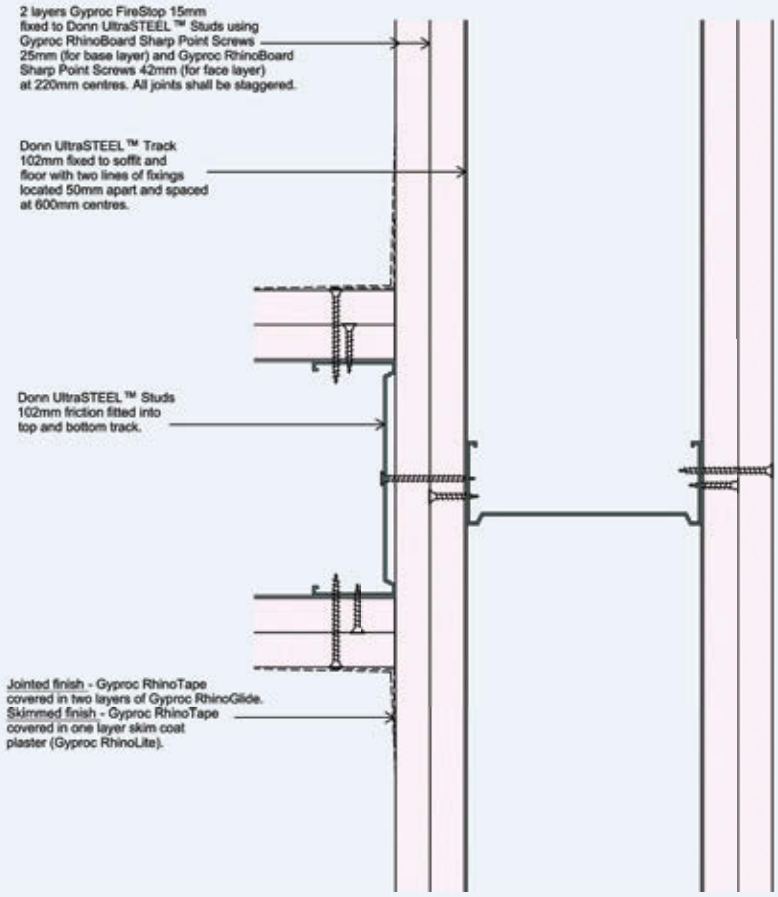


GypWall FireStop HiSpec 102/F120S52 Illustration

Head detail



T-junction detail



GypWall FireStop HiSpec | 102/F120S55

Nominal thickness (excluding finishes): **162mm**

Performance criteria

SANS 10177: Part 2: 120 minutes

SANS ISO 140-3:1995: Rw 55dB

Framework

Studs:	Donn UltraSTEEL™ Studs 102mm x 35mm at 600mm centres. In areas with tile finishes, reduce stud spacing to 400mm centres.
Floor track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm apart and spaced at 600mm centres.
Head track:	Donn UltraSTEEL™ Track 102mm x 25mm fixed with two lines of staggered fixings 50mm part and spaced at 600mm centres. Adequate support shall be provided for the head track. Donn Deep Track 102mm x 50mm shall be used in areas subject to deflection.
Deflection allowance:	Shall be determined by the project structural engineer.

Apply two continuous beads of SoundSeal between the building structure and the framework.

Lining

2 layers Gyproc FireStop 15mm, sheet width 1200mm; fixed to both sides of framework. All joints shall be staggered.
In wet areas replace face layer of Gyproc FireStop 15mm with Gyproc MoistureResistant 15mm.
Screw first lining layer: Gyproc RhinoBoard Sharp Point Screws 3.5mm diameter x 25mm at maximum 220mm centres.
Screw second lining layer: Gyproc drywall screws 3.5mm diameter x 42mm at maximum 220mm centres.

Cavity Insulation

Cavity insulation: Isover Cavitybatt 102mm thick, 14kg/m^2 density.
Fit securely with closely butted joints, leaving no gaps.

Finishing

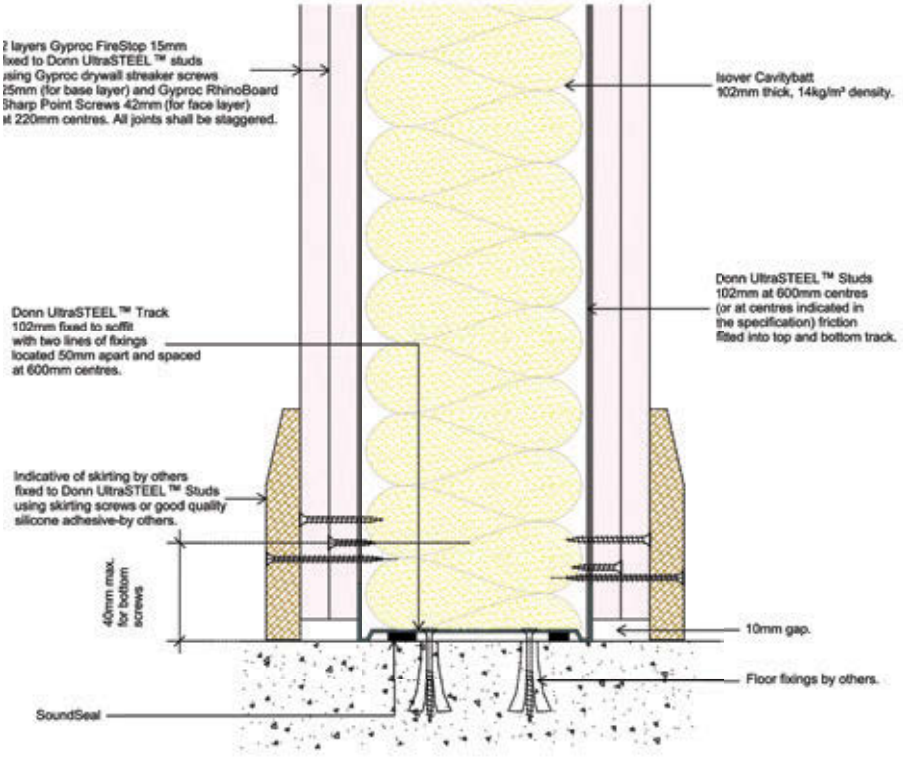
Jointed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoGlide plaster to all external corners.
Cover Gyproc RhinoTape with two layers of Gyproc RhinoGlide
Paint using a good quality oil based plaster primer. Apply paint as required.

Skimmed Finishing:
Apply Gyproc RhinoTape to all joints and internal corners.
Apply Donn Corner Bead embedded in Gyproc RhinoLite plaster to all external corners.
Cover Gyproc RhinoTape with one layer of Gyproc RhinoLite. Skim the surface using one layer of Gyproc RhinoLite.
Paint using a good quality oil based plaster primer. Apply paint as required.

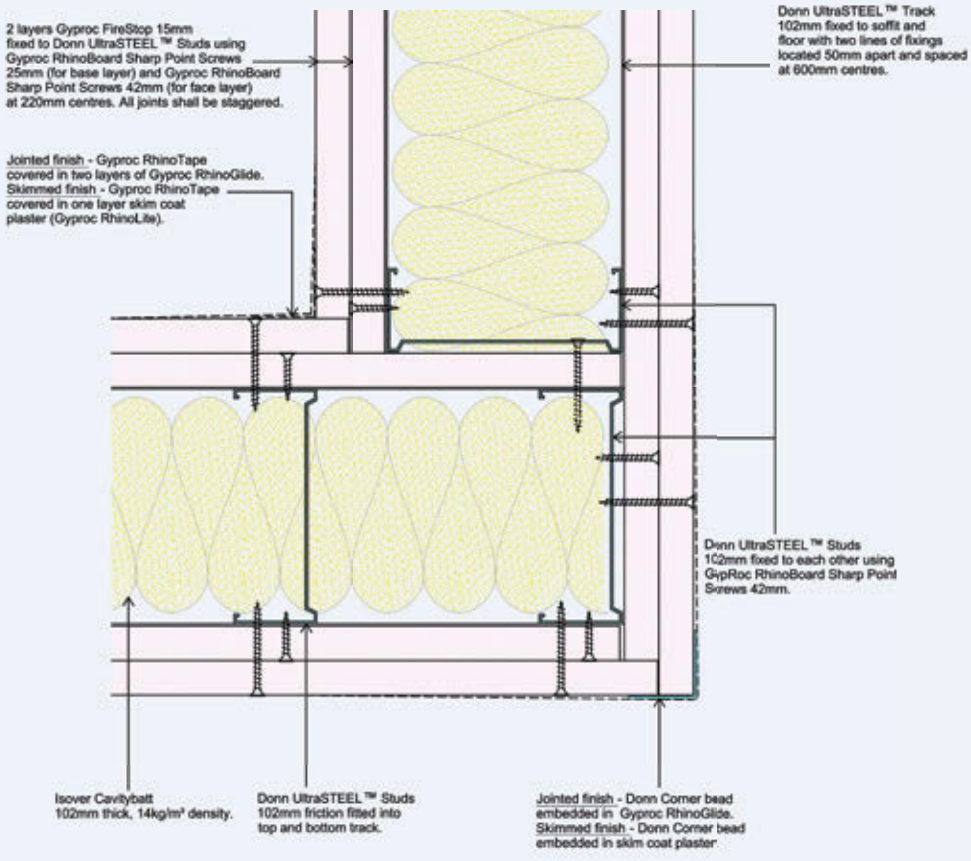
NB To be read with Drywall design guidelines and Drywall Finishings documents.

GypWall FireStop HiSpec 102/F120S55 Illustration

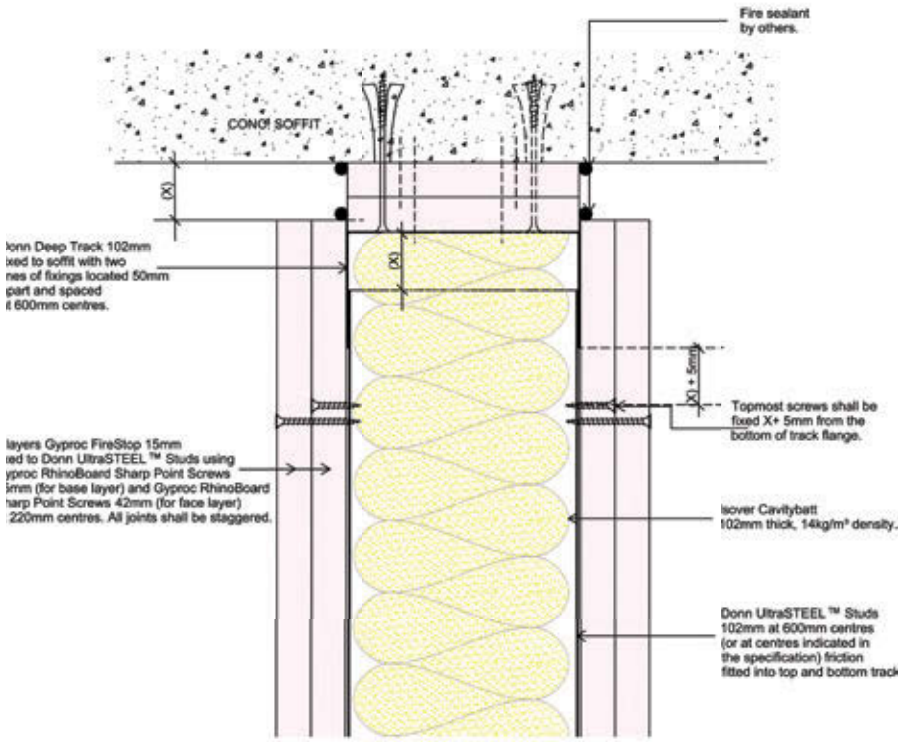
Base detail



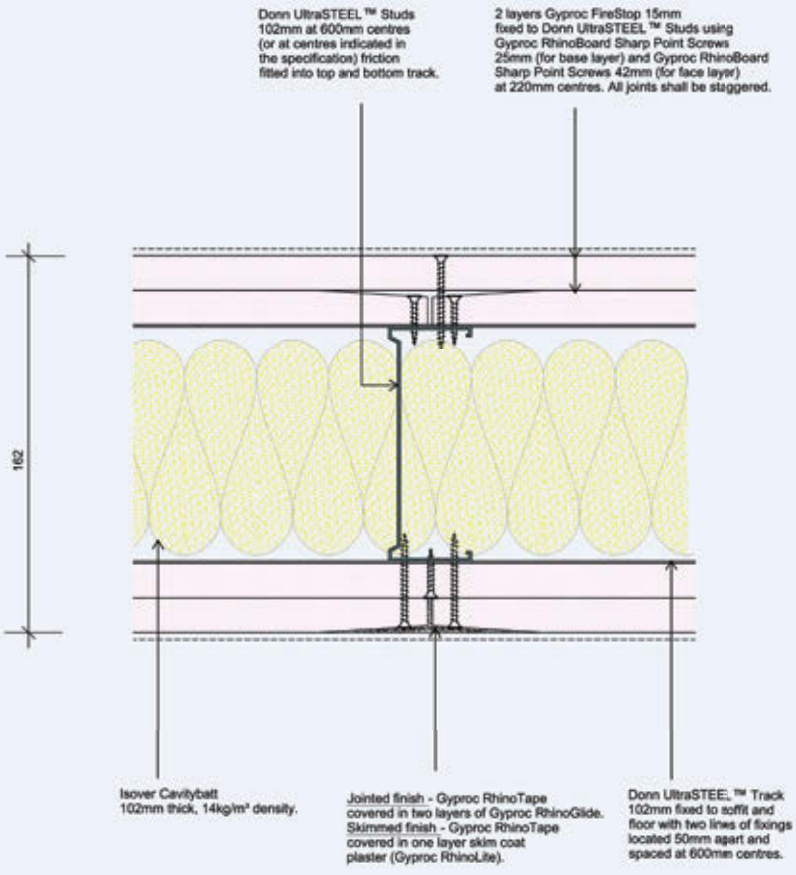
Corner detail



Deflection head detail (Xmm deflection)

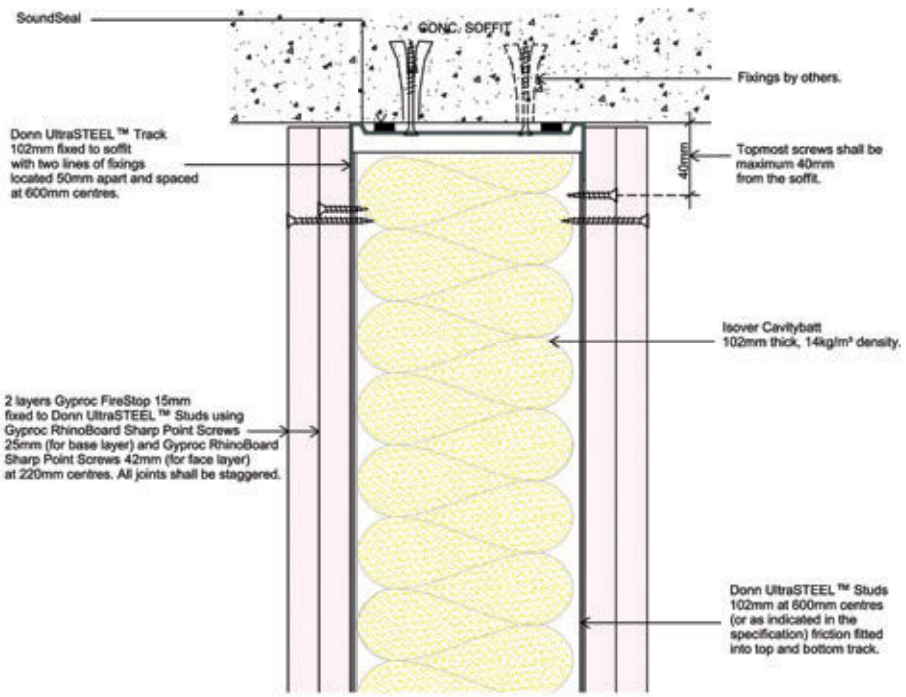


Layout

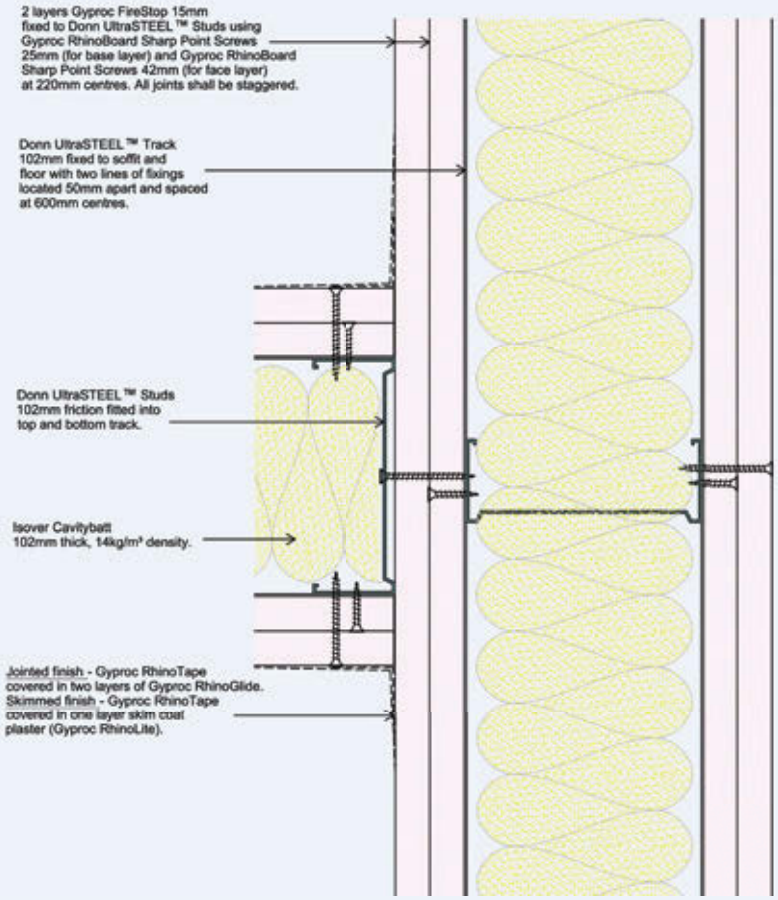


GypWall FireStop HiSpec 102/F120S55 Illustration

Head detail



T-junction detail



GypWall FireStop HiSpec installation guide

Apply SoundSeal as a continuous application to the perimeter of the framework.

Determine and mark wall position and make allowance for openings. Fix Donn UltraSTEEL Track at 600mm centres using suitable fixings.

Measure the wall height and cut stud to size. Install the stud into UltraSTEEL Track.

Twist Donn UltraSTEEL Stud into place.

Ensure the stud is plumb and mark stud position.

Fix the UltraSTEEL Stud to the abutting wall at 600mm centres using suitable fixings.

Insert top UltraSTEEL Track into position.

Fasten the top UltraSTEEL Track at 600mm centres.

FireStop installation guide (cont.)

Insert UltraSTEEL Studs at 600mm centres to a friction fit within the channel sections – this allows for adjustment during boarding. Position the studs so all face the same way.

Install Isover Cavitybatt 102mm between the studs progressively as boarding proceeds.
After installation of the Cavitybatt, install Gyproc FireStop 15mm onto the framework using Gyproc RhinoBoard Sharp Point Screws 25mm.

After the first layer of boarding is complete, apply a second layer of Gyproc FireStop 15mm using Gyproc RhinoBoard Sharp Point Screws 42mm spaced at 220mm centres.

When boarding is complete, apply Gyproc RhinoTape to all joints.

Apply Gyproc RhinoGlide to the joints using a 150mm taping knife.

Fill all screw heads and apply a second coat of RhinoGlide using a 300mm steel trowel.

Saint-Gobain's SpecSure system warranty

Unique to Saint-Gobain Construction Products South Africa, the 10 year system warranty is designed to give you total confidence that the systems you have chosen will meet the most rigorous of building requirements.

All of our systems are developed using the highest quality components designed to work together, and are specifically developed to give you a lifetime of confidence.

SpecSure is more than just a performance warranty. It means that the Saint-Gobain Construction Products SA systems you specify:

- Have a guaranteed 10 year performance.
- Have the technical expertise and experience of the SA's leading construction products specialist behind it.
- Have been tested in accredited fire, acoustic and structural test laboratories.
- Have been site tested to demonstrate installation integrity and simplicity.
- Will be supported at every stage of the project by SA's leading on and off-site technical support personnel.
- Will perform to published parameters if installed in accordance to our specifications.
- Will be repaired or replaced by Saint-Gobain Construction Products South Africa in the unlikely event of system failure attributed to unsatisfactory product/system performance.
- Project Packs offer technical guidance and compliance to the building methodology prescribed which will ensure optimal system performance.

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