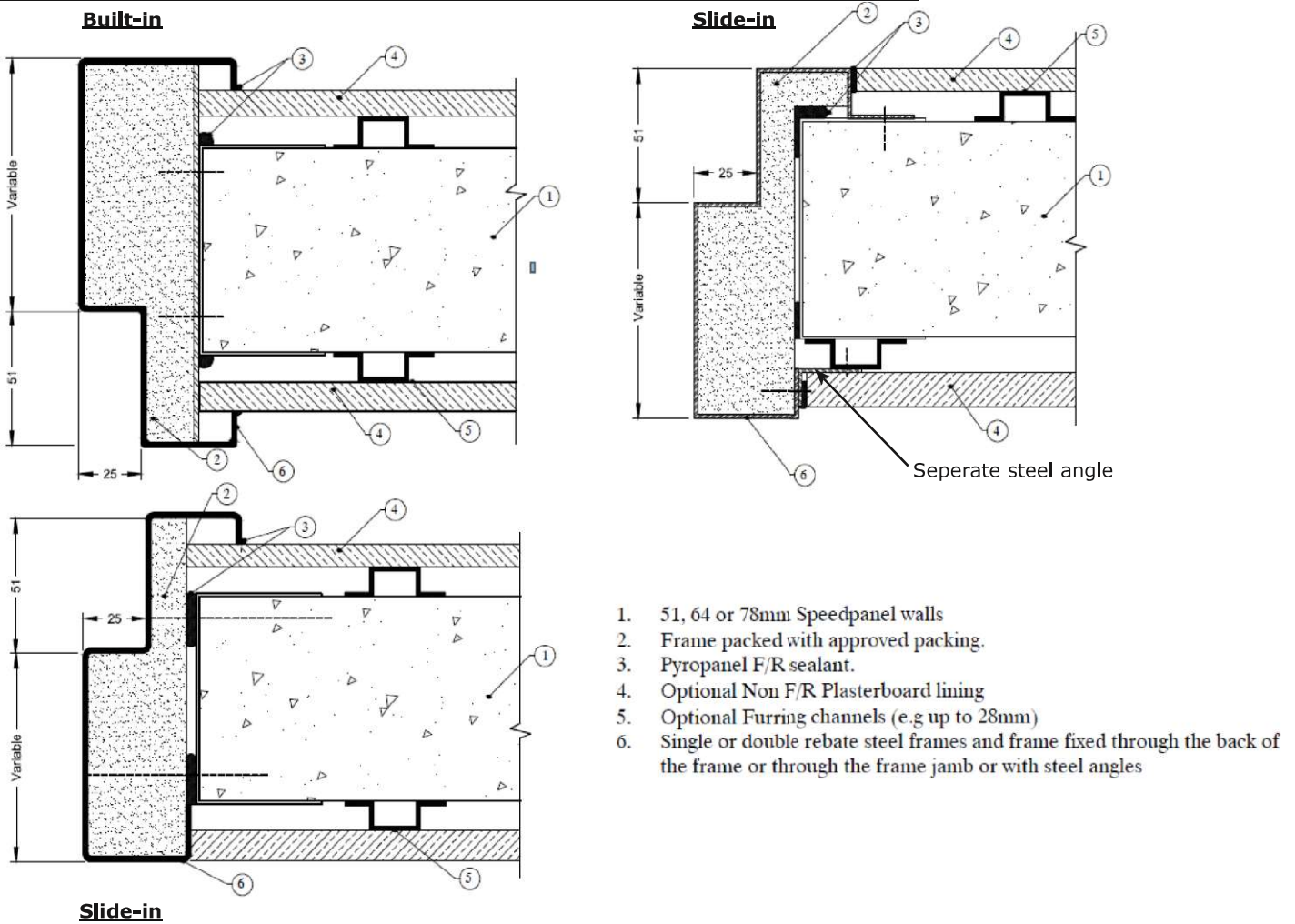# Speedpanel walls (51, 64 & 78mm)

DESCRIPTION

Building-in details showing the approved fixing methods for Pyropanel 48mm nominal doors in Speedpanel walls for up to 2 hours of fire rating (51mm = 1 hr, 64mm = 1.5 hrs, 78mm = 2 hrs).

Slide-in & Built-in details with Speedpanels and optional plasterboard linings

Built-in   **Slide-in**

Seperate steel angle

1. 51, 64 or 78mm Speedpanel walls
2. Frame packed with approved packing.
3. Pyropanel F/R sealant.
4. Optional Non F/R Plasterboard lining
5. Optional Furring channels (e.g up to 28mm)
6. Single or double rebate steel frames and frame fixed through the back of the frame or through the frame jamb or with steel angles

Slide-in

Note: Approved frame packing materials: Fire rated plasterboard, Pyropanel M4 lightweight mortar or mortar. Frames screw fixed at nominal 400mm centres.

Speedpanel walls (51, 64 & 78mm)
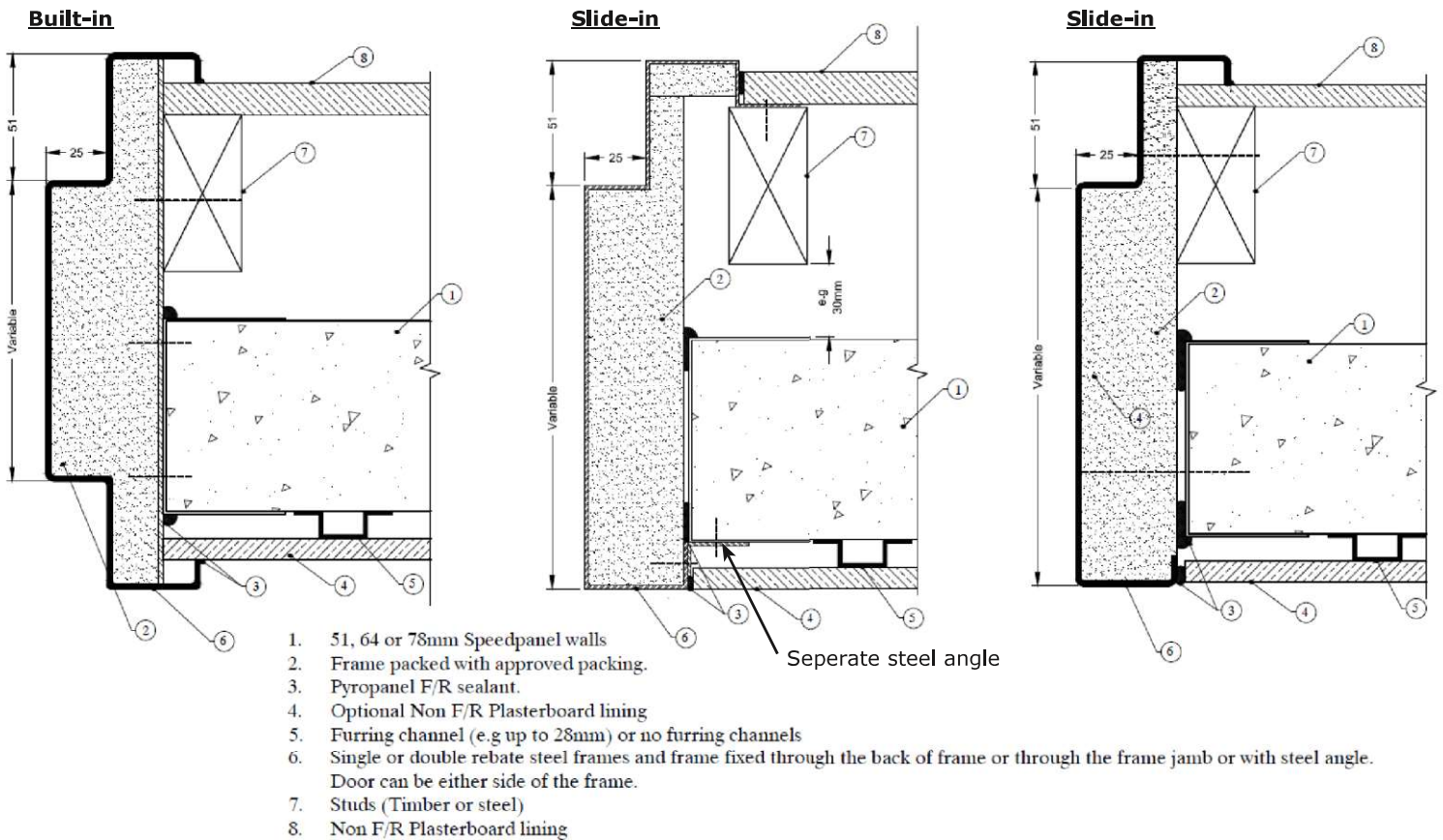
BUILDING DETAILS CONTINUED...

Building-in details showing the approved fixing methods for Pyropanel 48mm nominal doors in Speedpanel walls for up to 2 hours of fire rating (51mm = 1 hr, 64mm = 1.5 hrs, 78mm = 2 hrs)

Slide-in & Built-in details with Speedpanel + plasterboard walls (one side)

Built-in   **Slide-in**   **Slide-in**

Seperate steel angle

1. 51, 64 or 78mm Speedpanel walls
2. Frame packed with approved packing.
3. Pyropanel F/R sealant.
4. Optional Non F/R Plasterboard lining
5. Furring channel (e.g up to 28mm) or no furring channels
6. Single or double rebate steel frames and frame fixed through the back of frame or through the frame jamb or with steel angle. Door can be either side of the frame.
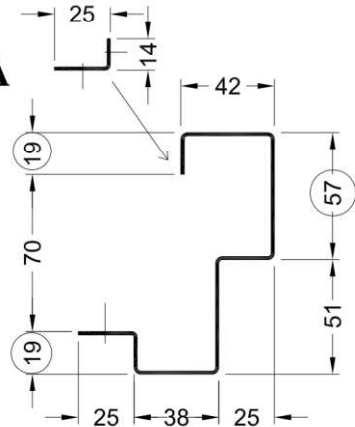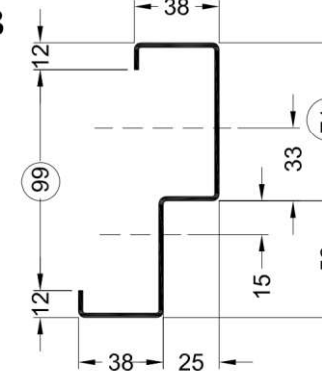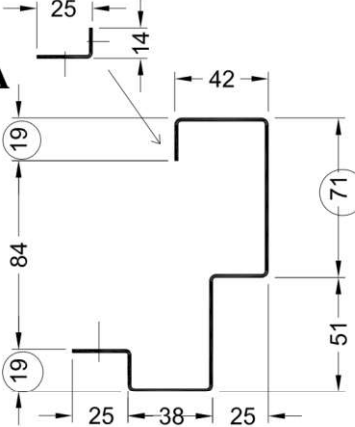7. Studs (Timber or steel)
8. Non F/R Plasterboard lining

Note: Approved frame packing materials: Fire rated plasterboard, Pyropanel M4 lightweight mortar or mortar. Frames screw fixed at nominal 400mm centres.

Speedpanel walls (51, 64 & 78mm)

BUILDING DETAILS CONTINUED...
Building-in details showing the approved fixing methods for Pyropanel 48mm nominal doors in Speedpanel walls for up to 2 hours of fire rating (51mm = 1 hr, 64mm = 1.5 hrs, 78mm = 2 hrs)

Slide-in & Built-in details with Speedpanel + plasterboard walls (either side)

Built-in   **Slide-in**   **Slide-in**
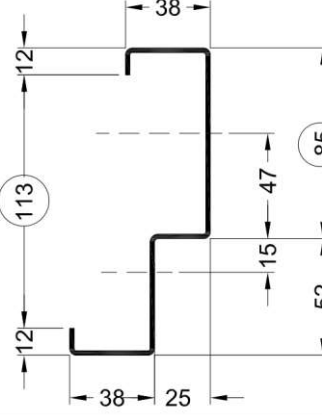
Seperate steel angle

Note: Approved frame packing materials: Fire rated plasterboard, Pyropanel M4 lightweight mortar or mortar. Frames screw fixed at nominal 400mm centres.
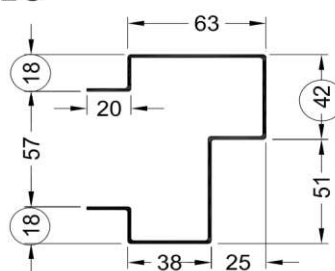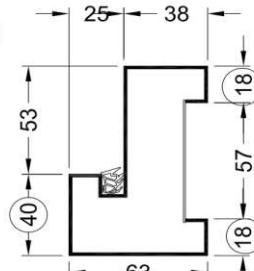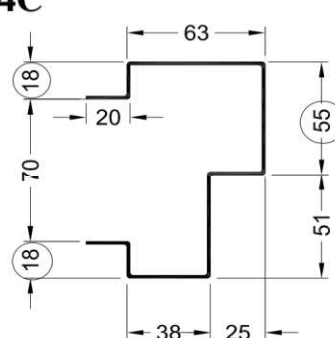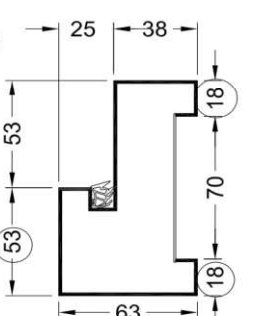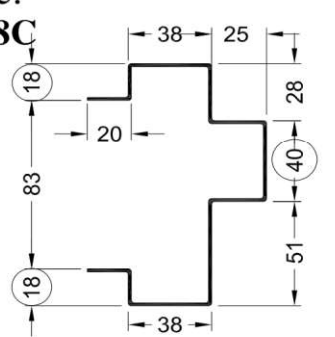
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![nexdor systems logo]
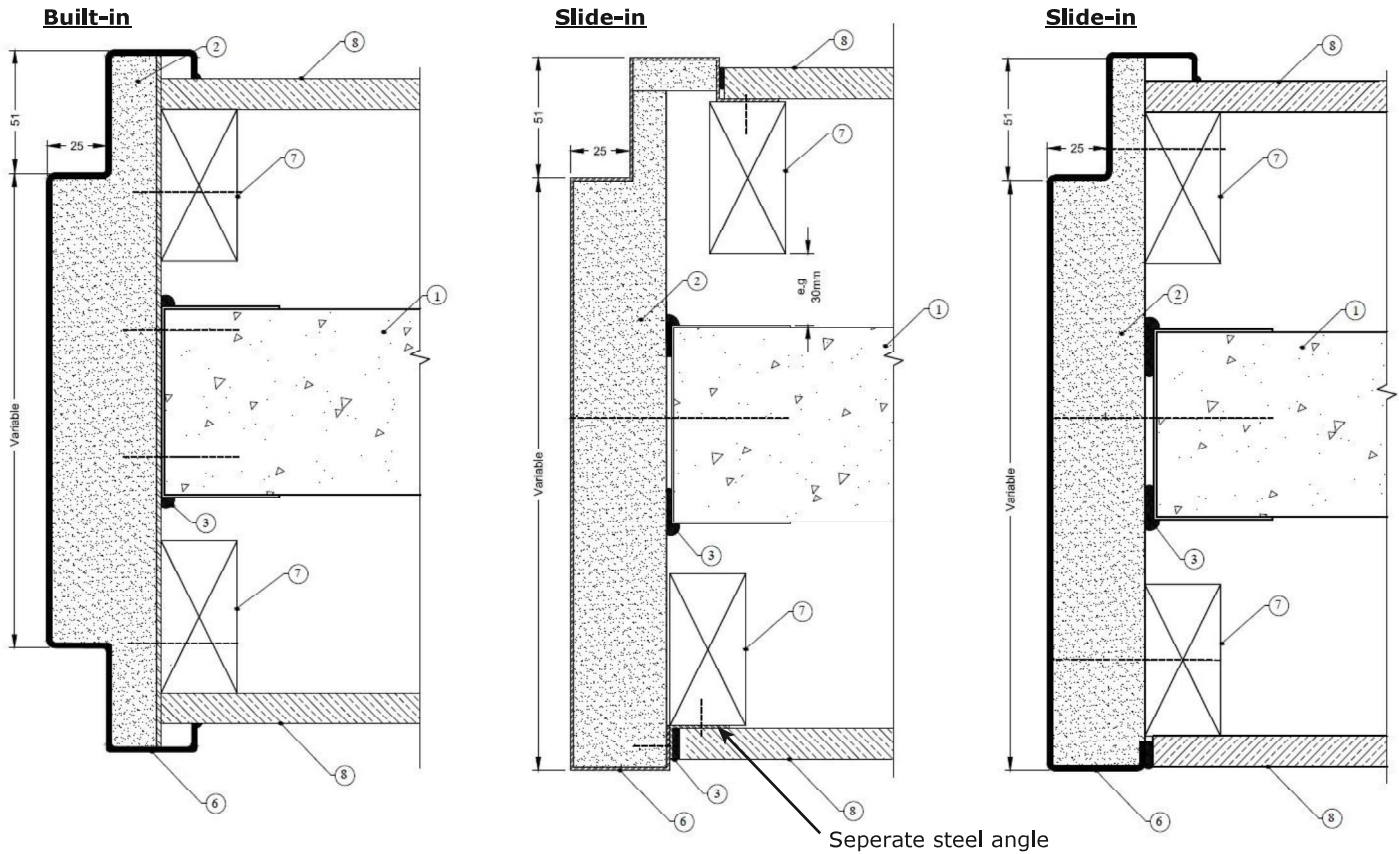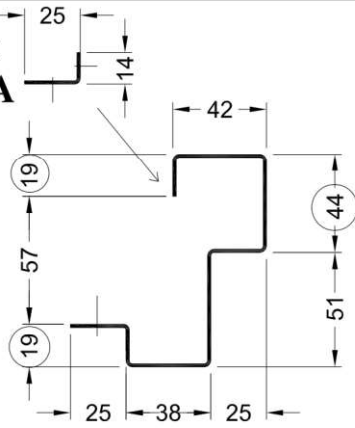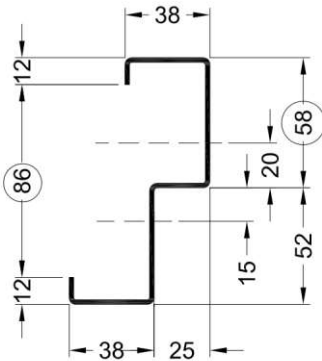
Fire Rated "Slide-in" Frames for Speedpanel walls

Frame "Slide In" Profiles for Pyropanel Doors in Speedpanel Walls:

NB: All circled dimensions are for 13mm p'brd each side of wall. Will vary for different wall coverings.

WALL TH. FRL	Type A (edge fixed) Steel Thickness 1.2mm-1.4mm	Type B (face fixed) Steel Thickness 1.4mm-1.6mm
Wall: 51mm FRL: -/60/30	Profile: FSP51A	Profile: FSP51B
Wall: 64mm FRL: -/90/30	Profile: FSP64A	Profile: FSP64B
Wall: 78mm FRL: -/120/30	Profile: FSP78A	Profile: FSP78B

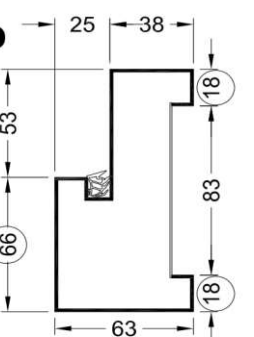# Fire Rated "Slide-in" Frames for Speedpanel walls

Frame "Built In" Profiles for Pyropanel Doors in Speedpanel Walls:

NB: All circled dimensions are for 13mm p'brd each side of wall. Will vary for different wall coverings.

WALL TH. FRL	Type C fixing — Steel Thickness: 1.4mm	Type D fixing — Steel Thickness: 1.4mm
Wall: 51mm — FRL: -/60/30	Profile: FSP51C	Profile: FSP51D
Wall: 64mm — FRL: -/90/30	Profile: FSP64C	Profile: FSP64D
Wall: 78mm — FRL: -/120/30	Profile: FSP78C	Profile: FSP78D

HOW TO SPECIFY

"Door frame to be a Pyropanel FSP78B* Prime painted pressed metal door frame. Builder to confirm door frame applicability".

*Denotes example - change to suit requirements