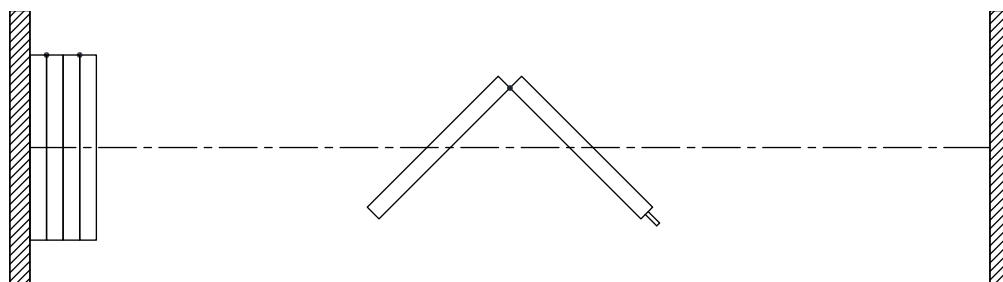**MODERCO**

Technical Data Sheet
Signature 842

Features & Options

Standard Features

- Manually-operated paired-panel movable partition.

- STC 43 or 47 with gypsum board faces.

- STC 49, 52, 53, or 55 with steel faces laminated to gypsum board.

- 102 mm [4"] nominal thickness. 1230 mm [48 1/2"] maximum width.

- Clear-anodized steel-reinforced aluminum frame.

- Protective trims on entire perimeter.

- Combination aluminum and vinyl tongue and groove vertical sound seals between panels.

- Final closure by telescopic jamb.

- Type FA horizontal seals:
  - Fixed top sweeps
  - Automatic retractable bottom seals set as panels are deployed
  - bottom seals provide a 50 mm [2"] floor clearance

- (STC 53) Type MM-1 horizontal seals:
  - top and bottom retractable seals
  - Manually-operated, simultaneously-activated top and bottom seals
  - bottom seals provide a 25 mm [1"] floor clearance

- (STC 55) Type MM-55 horizontal seals:
  - top and bottom retractable seals
  - Manually-operated, simultaneously-activated top and bottom seals
  - bottom seals provide a 25 mm [1"] floor clearance
  - additional fixed top sweeps

- Low profile steel hinges.

- Clear-anodized 6063-T6 alloy aluminum track.

- Each panel supported by one carrier made up of four vertically-aligned precision-ground hardened steel ball bearing wheels with nylon tires.

- Vinyl wallcovering.

- Maximum height: 6780 mm [22'-3"].

Optional Features and Accessories

- STC 49, 52, 53, or 55 with gypsum board faces and steel backing.

- Trimless vertical edges (STC 49 and over).

- Powder-coated frame and/or track.

- 11 ga. steel track, painted white.

- Upgraded wallcoverings: fabric, vertically-ribbed carpet, plastic laminate, full-height marker board, wood veneer, custom finishes.

842_DS_25-04_0

### Optional Features and Accessories (cont'd)

- Owner-supplied wallcovering (approval required).

- (STC 43 to 52) Type FM horizontal seals:
  - Fixed top sweeps
  - Manually-operated bottom seals
  - bottom seals provide a floor clearance of 25 mm [1"], 38 mm [1 1/2"], 50 mm [2"], 64 mm [2 1/2"], or 102 mm [4"]

- (STC 43 to 52) Type MM horizontal seals:
  - top and bottom retractable seals
  - Manually-operated, simultaneously-activated top and bottom seals
  - bottom seals provide a floor clearance of 25 mm [1"], 38 mm [1 1/2"], 50 mm [2"], 64 mm [2 1/2"], or 102 mm [4"]

- (STC 43 to 52) Type AA horizontal seals:
  - top and bottom retractable seals
  - simultaneously-activated Automatic top and bottom seals
  - bottom seals provide a floor clearance of 38 mm [1 1/2"]
  - simultaneous operation of telescopic closure and seals of last panel / last pair of panels (also available on partitions with type MM-1.5 horizontal seals)

- ADA-compliant pass door with flush pulls and roller latch.

- Door options:
  - concealed automatic closer
  - window frame
  - door viewer
  - panic bar
  - panic bar with lockable lever
  - self-luminous "Running Man" exit sign with green faceplate (standard outside USA, optional in USA) *
  - photoluminescent "EXIT" sign with red faceplate (standard in USA, optional elsewhere) *
  - photoluminescent "EXIT" sign with green faceplate (optional) *
  - self-luminous "EXIT" sign with red faceplate (optional) *
  - self-luminous "EXIT" sign with green faceplate (optional) *
  - deadbolt lock *

  An exit sign and a deadbolt lock will not be installed together on the same door.

Optional Features and Accessories (cont'd)

- Final closure by hinged closure panel.

- Inset white marker boards / chalk boards / natural cork tack boards.

- Eraser boxes / chalk trays

- Acoustical or non-acoustical pocket door.

- UL/ULC-listed 1 hour fire-rating,
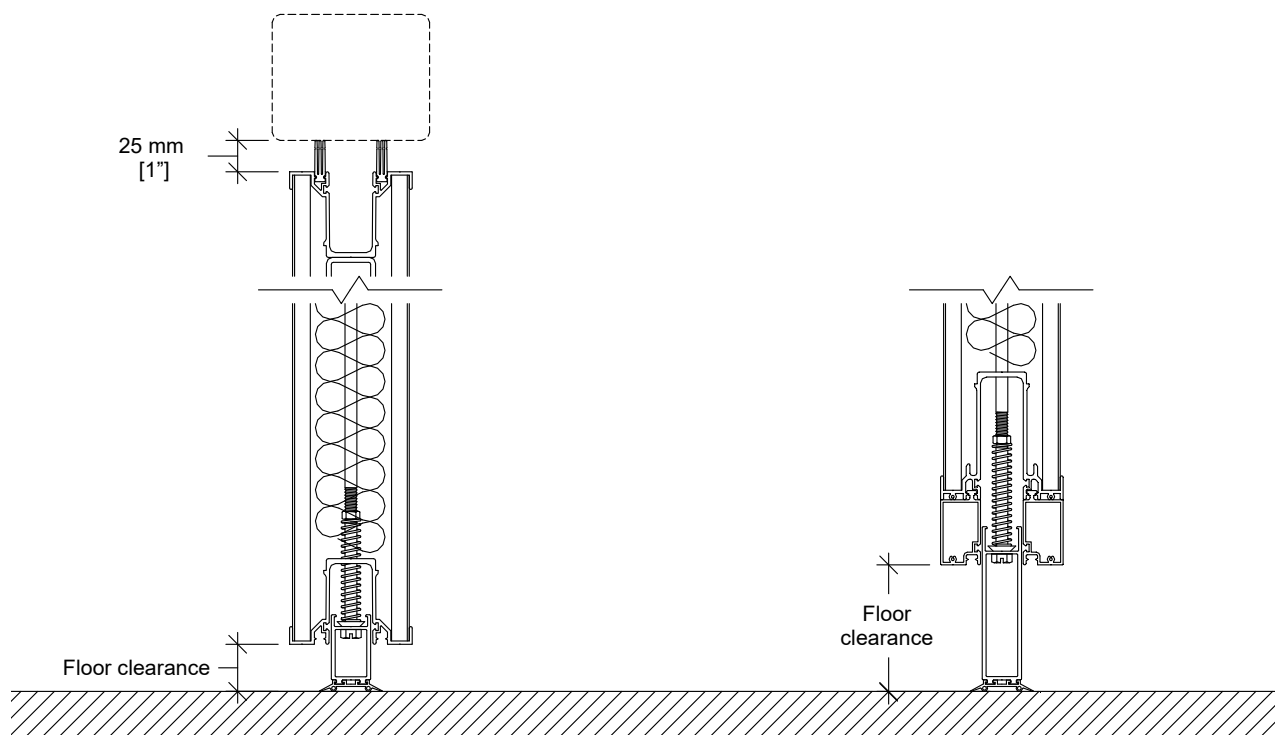 - STC 53
  - Trimless vertical edges

Horizontal Seals
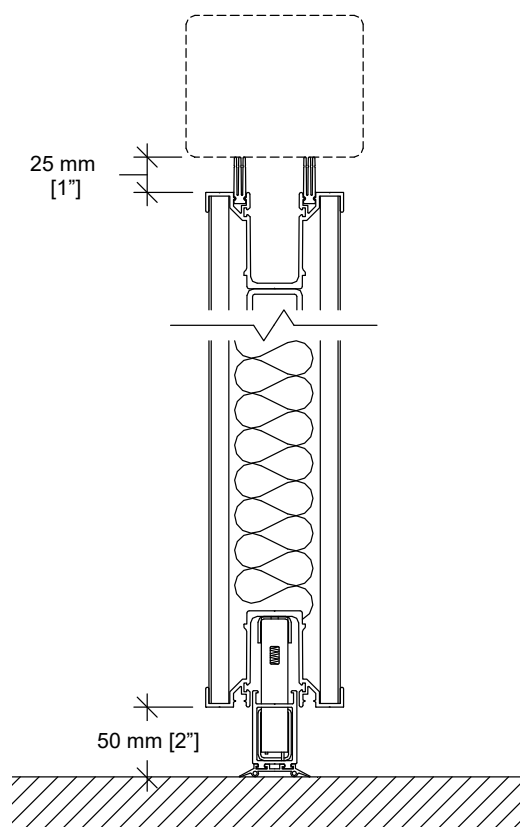
25 mm [1"]

50 mm [2"]

Type FA
Floor clearance : 50 mm [2"]
Operating tolerances :
+0 mm / -38 mm [+0" / -1 1/2"]

842_DS_25-04_0

Horizontal Seals (cont'd)

25 mm
[1"]

Floor clearance

Floor
clearance

Type FM-1
Floor clearance : 25 mm [1"]
Operating tolerances :
+0 mm / -15 mm [+0" / -5/8"]

Type FM-1.5
Floor clearance : 38 mm [1 1/2"]
Operating tolerances :
+0 mm / -19 mm [+0" / -3/4"]

Type FM-2
Floor clearance : 50 mm [2"]
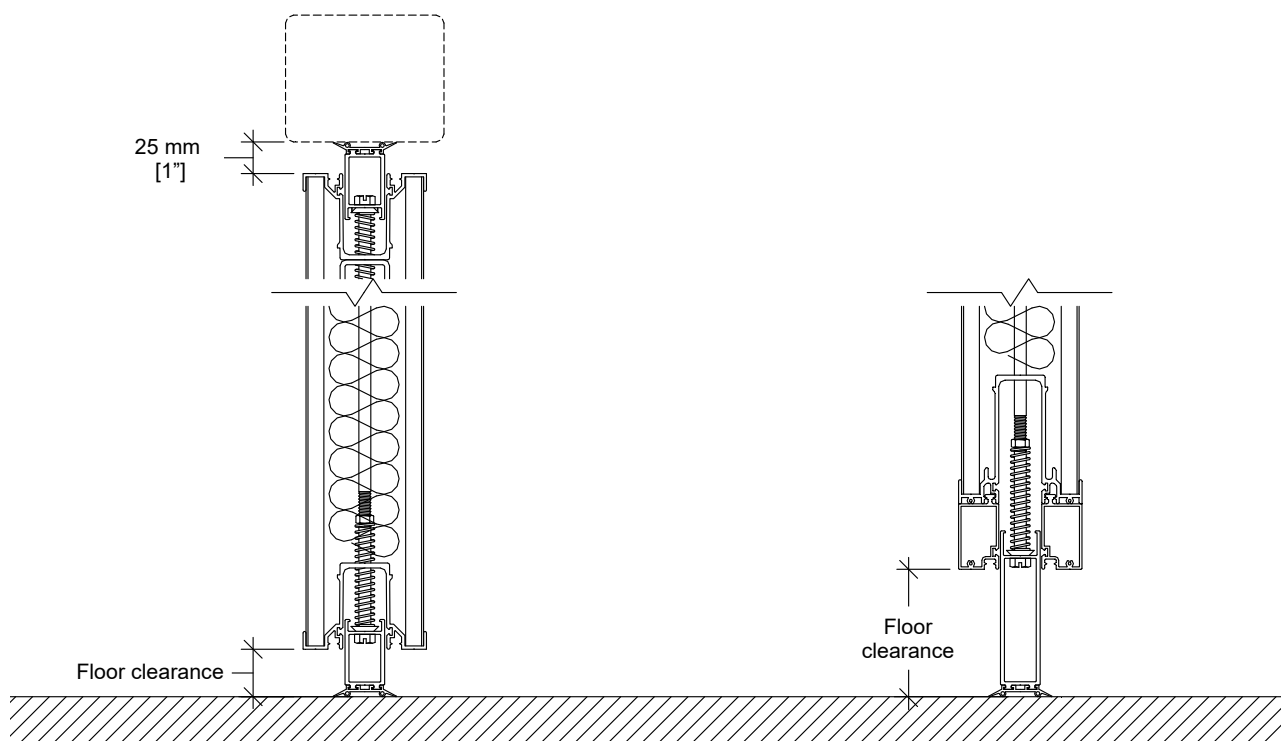Operating tolerances :
+0 mm / -25 mm [+0" / -1"]

Type FM-2.5
Floor clearance : 64 mm [2 1/2"]
Operating tolerances :
+0 mm / -38 mm [+0" / -1 1/2"]

Type FM-4
Floor clearance : 102 mm [4"]
Operating tolerances :
+0 mm / -64 mm [+0" / -2 1/2"]

842_DS_25-04_0

Horizontal Seals (cont'd)

25 mm
[1"]

Floor clearance

Floor
clearance

Type MM-1
Floor clearance : 25 mm [1"]
Operating tolerances :
+0 mm / -15 mm [+0" / -5/8"]

Type MM-1.5
Floor clearance : 38 mm [1 1/2"]
Operating tolerances :
+0 mm / -19 mm [+0" / -3/4"]

Type MM-2
Floor clearance : 50 mm [2"]
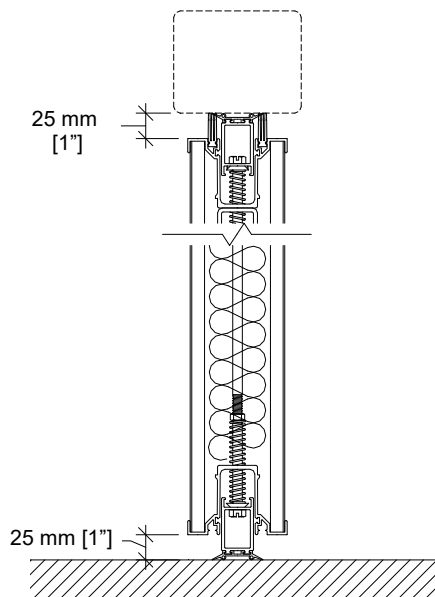Operating tolerances :
+0 mm / -25 mm [+0" / -1"]

Type MM-2.5
Floor clearance : 64 mm [2 1/2"]
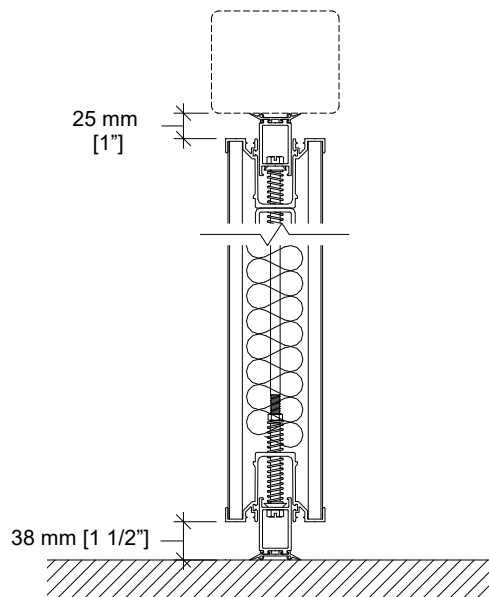Operating tolerances :
+0 mm / -38 mm [+0" / -1 1/2"]

Type MM-4
Floor clearance : 102 mm [4"]
Operating tolerances :
+0 mm / -64 mm [+0" / -2 1/2"]

842_DS_25-04_0

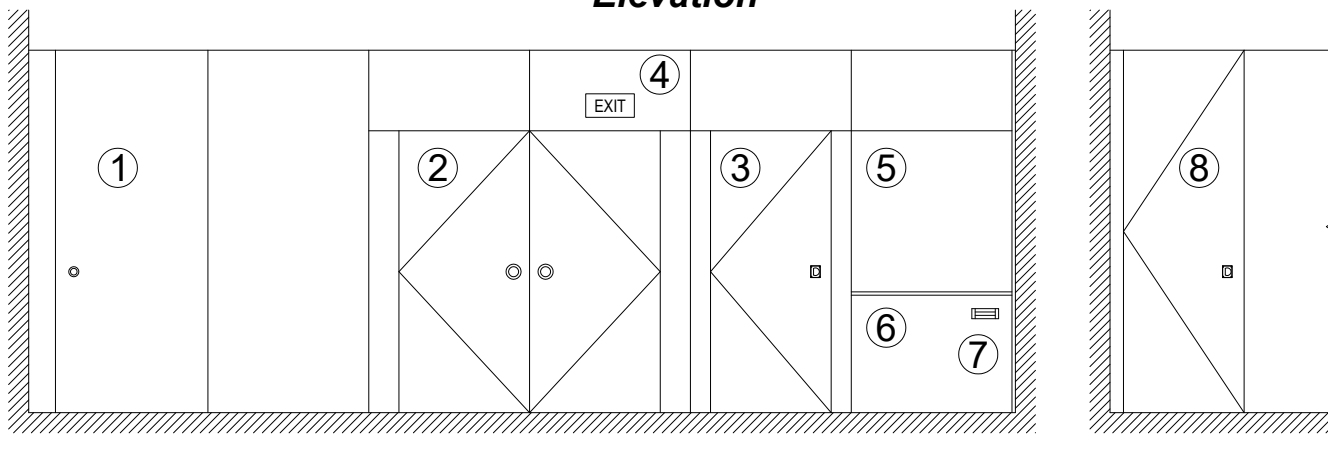## Horizontal Seals (cont'd)

25 mm
[1"]

25 mm [1"]

Type MM-55 (STC 55 only)
Floor clearance : 25 mm [1"]
Operating tolerances :
+0 mm / -15 mm [+0" / -5/8"]

25 mm
[1"]

38 mm [1 1/2"]

Type AA
Floor clearance : 38 mm [1 1/2"]
Operating tolerances :
+0 mm / -19 mm [+0" / -3/4"]

Elevation

EXIT

1
2
3
4
5
6
7
8

1-	Telescopic closure panel	
2-	Double pass doors	
3-	Single pass door	
4-	Self-illuminated exit sign	

5-	Work surface
6-	Chalk tray
7-	Eraser box
8-	Hinged closure panel

842_DS_25-04_0

Vertical Section

57 mm [2 1/4"]

Structural support by others

Acoustical plenum barrier by others (refer to ASTM E557)

Threaded rods by Moderco

152 mm [6"] MIN

#45-T aluminum track (up to a height of 4648 mm [15'-3"])

25 mm [1"]

25 mm [1"]

Top seal

Aluminum frame

102 mm [4"]

Horizontal division mouldings required on STC 43 or 47 over a 3733 mm [12'-3"] height.

Finished floor to underside of ceiling

Fabrication height

Aluminum frame

Bottom seal

Floor clearance

- 6 -

Track Options

133 mm [5 1/4"]

178 mm [7"] MIN

25 mm [1"]

149 mm [5 7/8"]

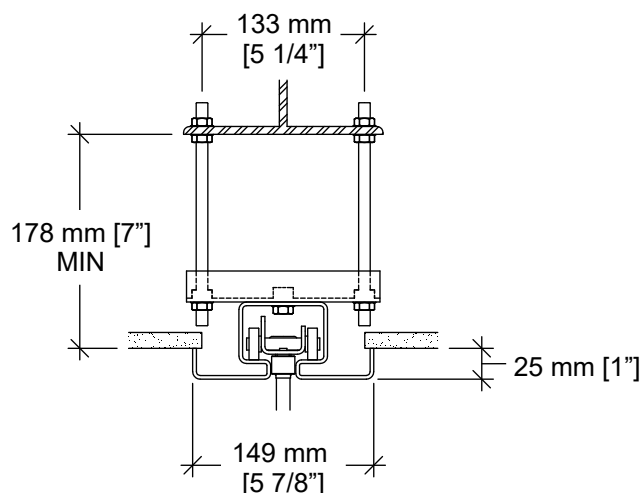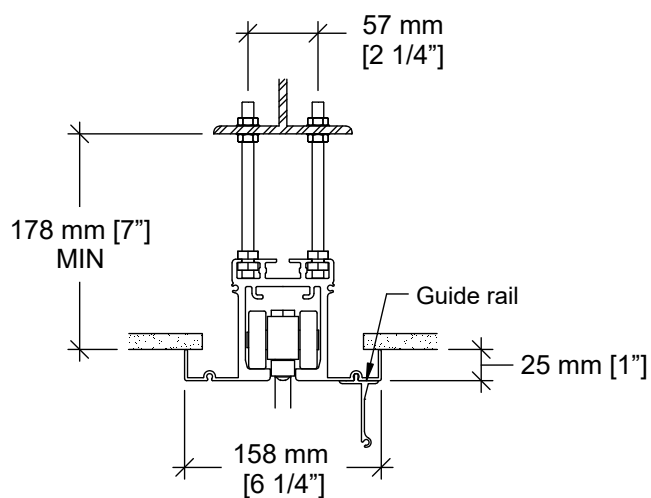**#45-T track with optional hanger bracket**

Hanger bracket required for installations where the topmost nuts cannot be used for adjustment.

133 mm [5 1/4"]

178 mm [7"] MIN

25 mm [1"]

149 mm [5 7/8"]

#72 steel track with hanger bracket

Optional for partitions up to 4648 mm [15'-3"].

57 mm [2 1/4"]

178 mm [7"] MIN

Guide rail

25 mm [1"]
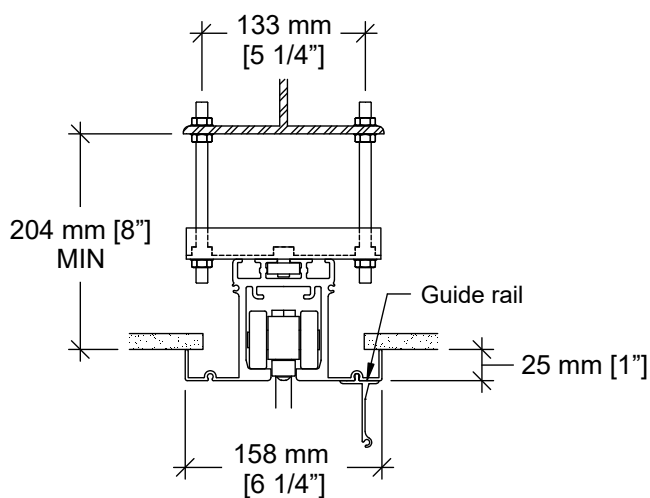
158 mm [6 1/4"]

#55-T aluminum track

Standard for partitions from a height of 4648 mm [15'-3"] up to 6780 mm [22'-3"].

Optional for partitions up to 4648 mm [15'-3"].

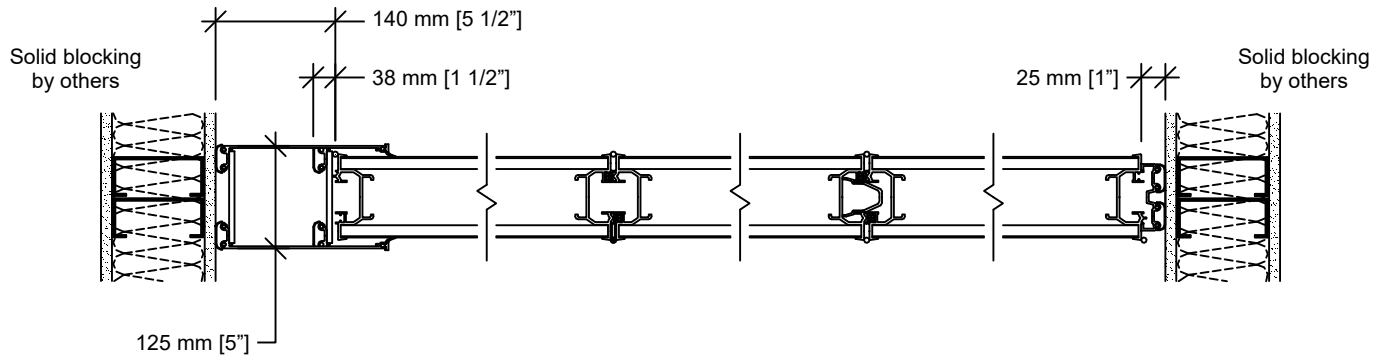Guide rail required for partitions over 4648 mm [15'-3"].

133 mm [5 1/4"]

204 mm [8"] MIN

Guide rail

25 mm [1"]

158 mm [6 1/4"]

#55-T aluminum track with optional hanger bracket

842_DS_25-04_0

Plan Views

Stack depth
105 mm [4 1/8"] per panel

Telescopic closure panel

Telescopic closure panel

Stack depth
105 mm [4 1/8"] per panel + 102 mm [4"]

Hinged closure panel
610 mm [24"] MIN / 1067 mm [42"] MAX

Hinged closure panel

842_DS_25-04_0

MODERCO

Horizontal Sections

Solid blocking by others

140 mm [5 1/2"]

38 mm [1 1/2"]

125 mm [5"]

25 mm [1"]
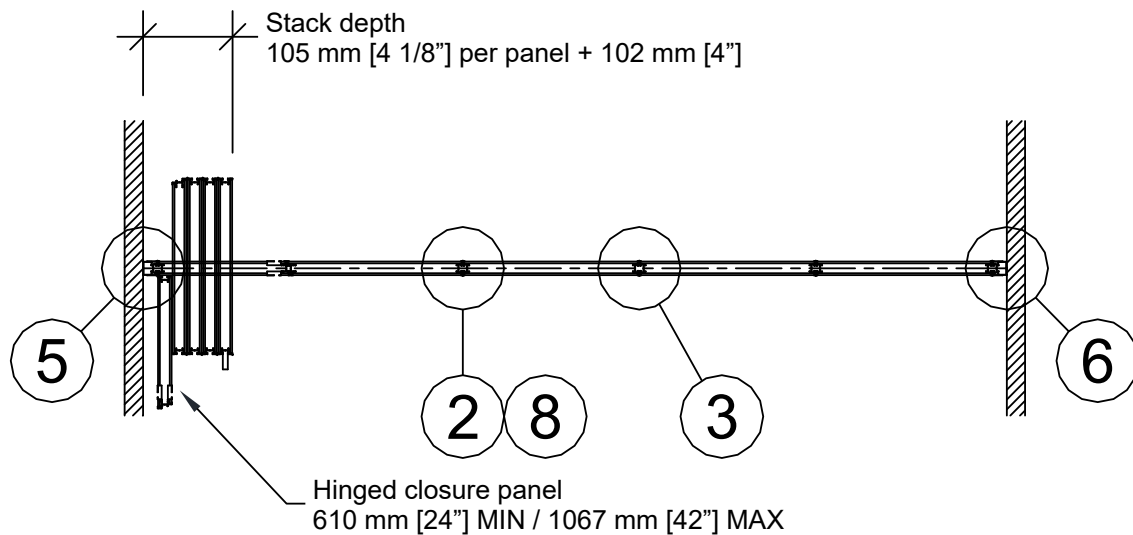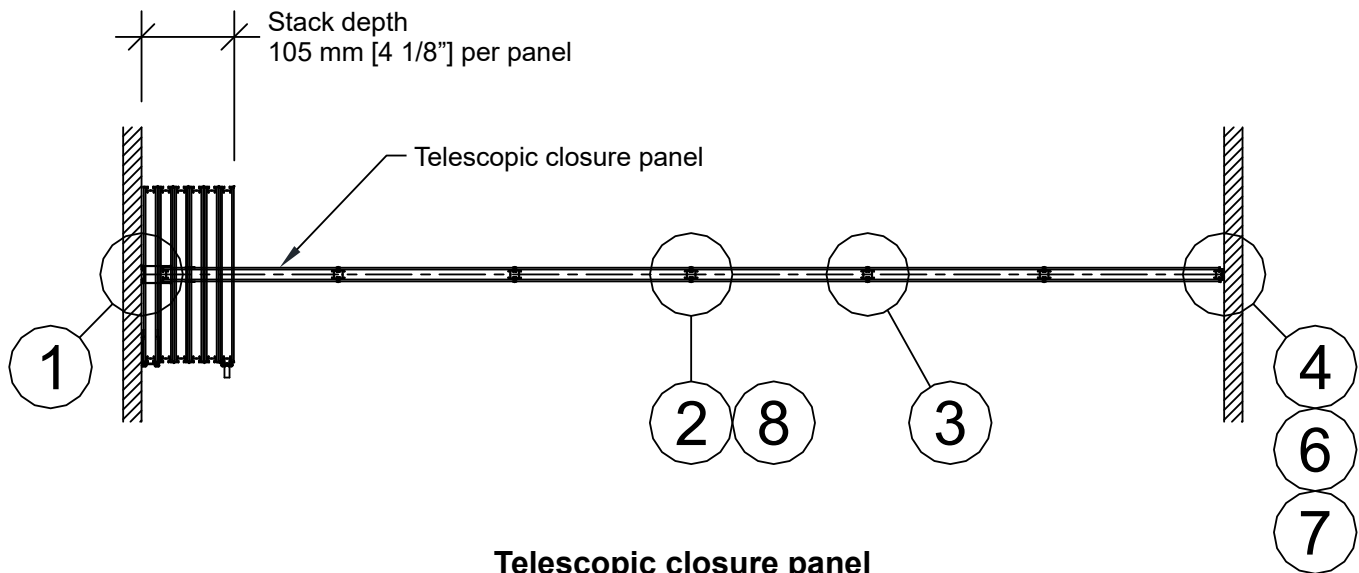
Solid blocking by others

1 Telescopic closure

2 Hinged panel joint

3 Panel joint

4 Bulb seal

Solid blocking by others

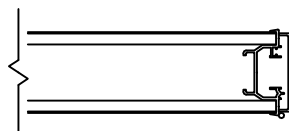102 mm ± 22 mm [4" ± 7/8"]

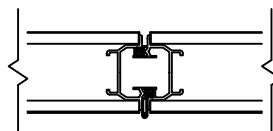102 mm ± 22 mm [4" ± 7/8"]

Solid blocking by others
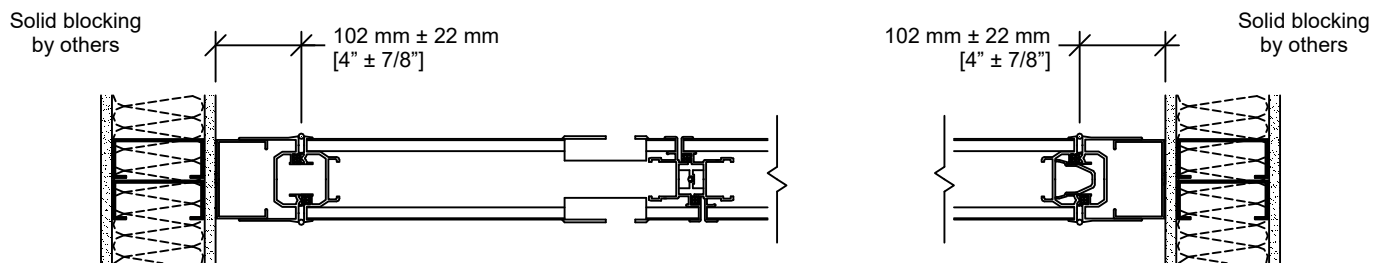
5 Hinged closure panel with recessed pulls and roller latch (optional)

6 Wall jamb (optional)

7 End cap (optional)

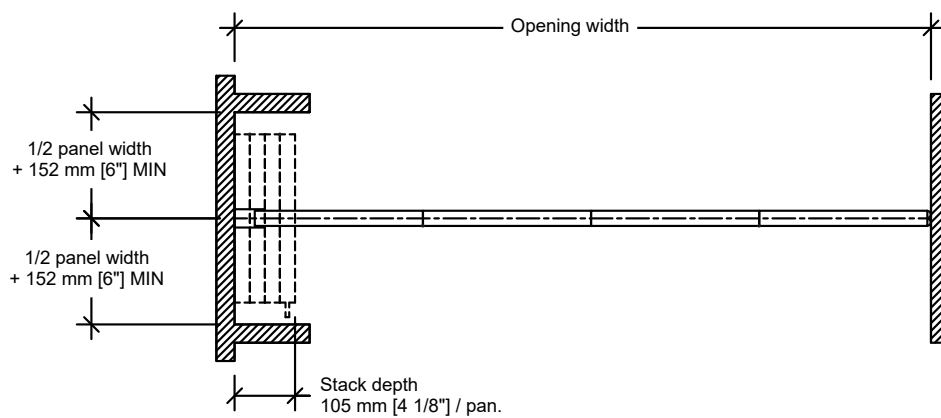**8** Panel joint with trimless vertical edges (optional) (STC 49 and over)

842_DS_25-04_0

Typical Layouts

Opening width

1/2 panel width
+ 152 mm [6"] MIN

1/2 panel width
+ 152 mm [6"] MIN

Stack depth
105 mm [4 1/8"] / pan.
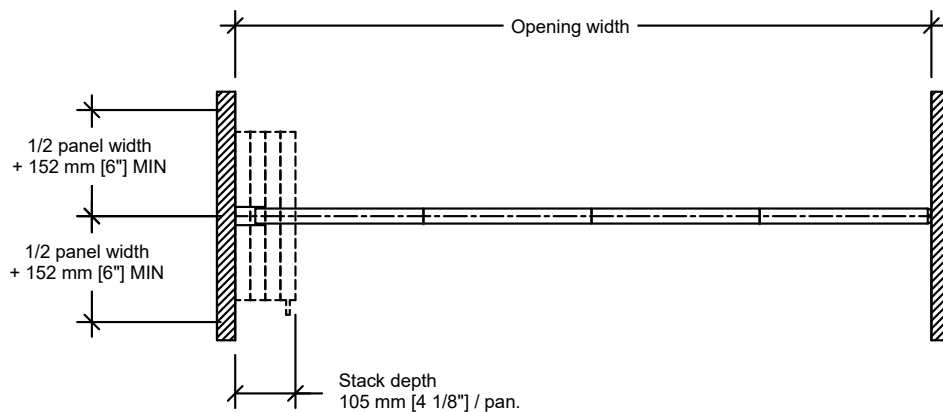
Wall to wall – telescopic closure

Opening width

Stack depth
105 mm [4 1/8"] / pan. + 102 mm [4"]

1/2 panel width
+ 152 mm [6"] MIN

Hinged panel width
+ 152 mm [6"] MIN
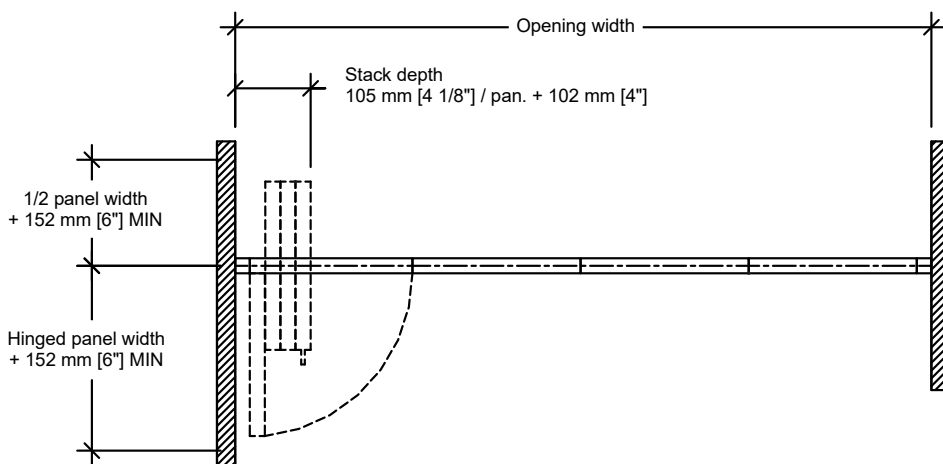
Wall to wall – hinged closure

Opening width

1/2 panel width
+ 152 mm [6"] MIN

1/2 panel width
+ 152 mm [6"] MIN

Stack depth
105 mm [4 1/8"] / pan.

Pocket

Typical Layouts (cont'd)

Opening width

1/2 panel width
+ 215 mm [8 1/2"] MIN

1/2 panel width
+ 215 mm [8 1/2"] MIN

Pocket depth
105 mm [4 1/8"] / pan. + 204 mm [8"]
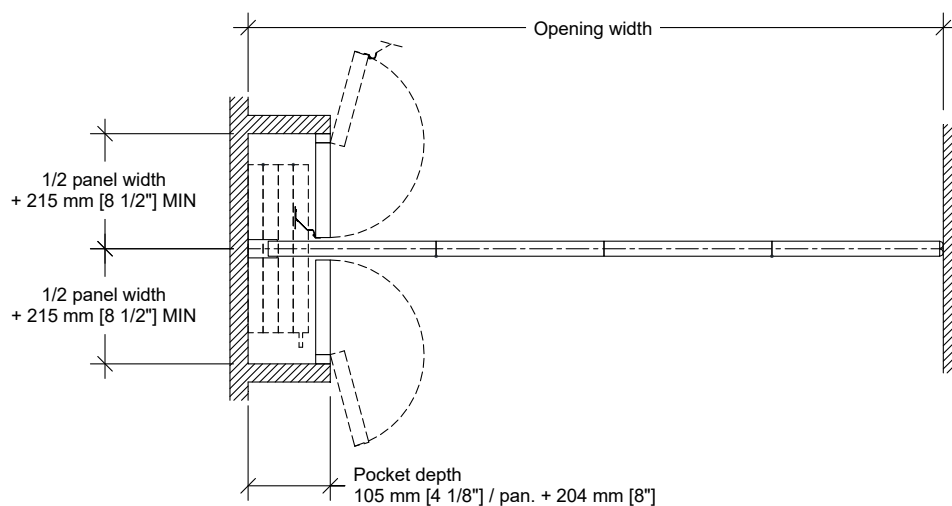
**Pocket and PN-83 non-acoustical pocket door
(partition seals to back of pocket)**

Pocket depth
105 mm [4 1/8"] / pan.
+ 204 mm [8"]

Opening width

1/2 panel width
+ 215 mm [8 1/2"] MIN

1/2 panel width
+ 215 mm [8 1/2"] MIN
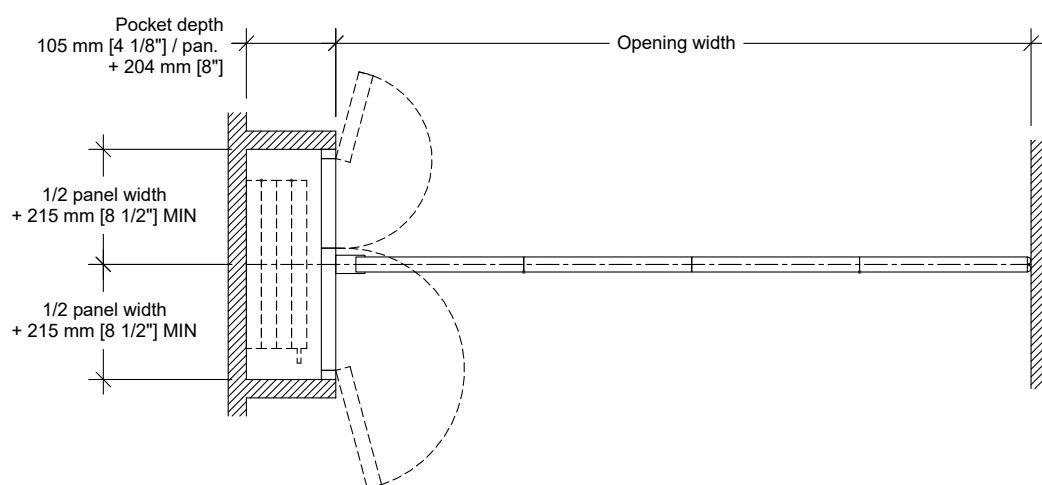
**Pocket and PA-82 acoustical pocket door
(partition seals to face of pocket door)**