MODERCO
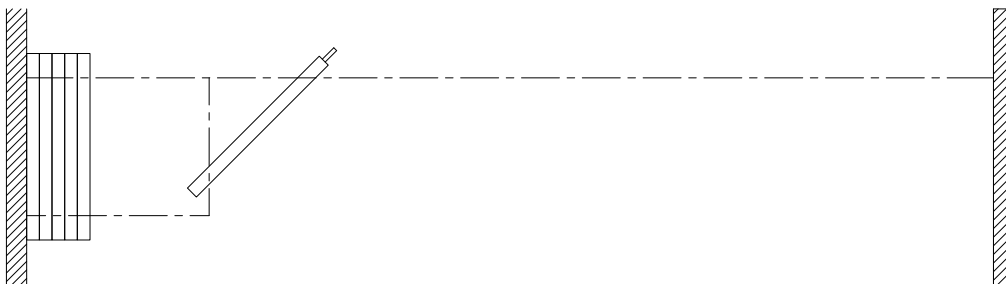
Technical Data Sheet
Excel 731

Features & Options

Standard Features

- Manually-operated individual-panel movable partition.

- STC 48 or 52.

- Steel faces laminated to gypsum board.

- 85 mm [3 3/8"] nominal thickness. 1230 mm [48 1/2"] maximum width.

- 16 ga. welded steel frame.

- Trimless vertical edges.

- Clear anodized horizontal mouldings and bottom seal.

- 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

- Clear anodized 6063-T6 alloy aluminum track.

- Each panel supported by two carriers made up of two horizontally-aligned precision-ground hardened steel ball bearing wheels with nylon tires.

- Vinyl wallcovering.

- Maximum height: 9220 mm [30'-3"].
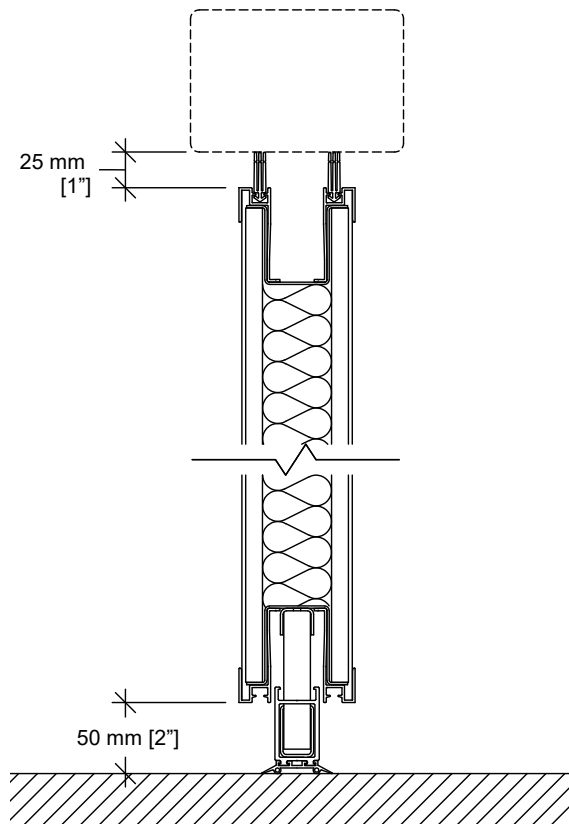
Optional Features and Accessories

- Powder-coated frame and/or track.

- 11 ga. steel track, painted white.

- Upgraded wallcoverings : fabric or full-height marker board.

- Owner-supplied wallcovering (approval required).

- Surface-mounted white marker boards (with no vertical trims).

- Surface-mounted natural cork tack boards.

- Eraser boxes.

- Acoustical or non-acoustical pocket door.

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Optional Features and Accessories (cont'd)

- 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.
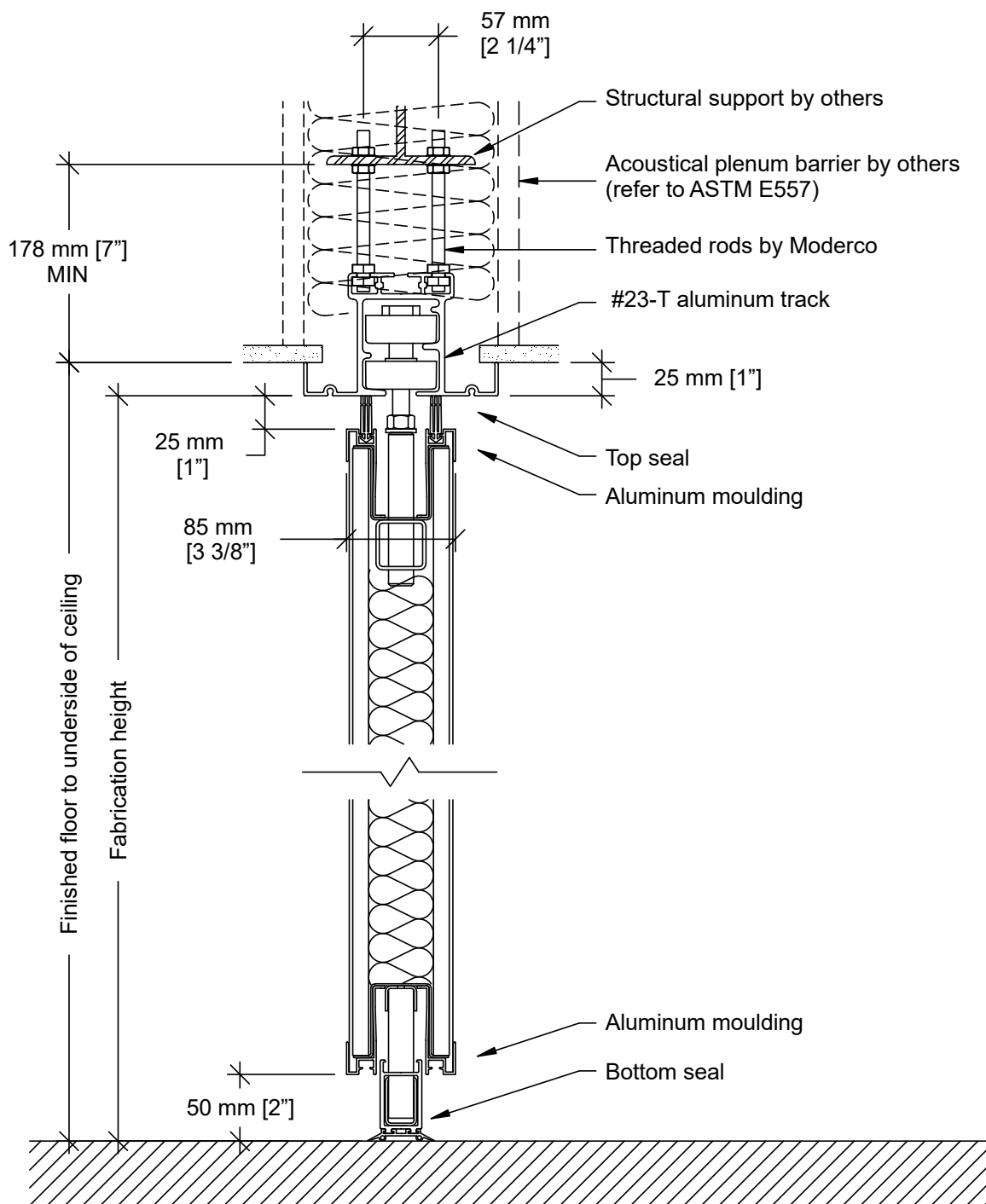
Horizontal Seals

25 mm [1"]

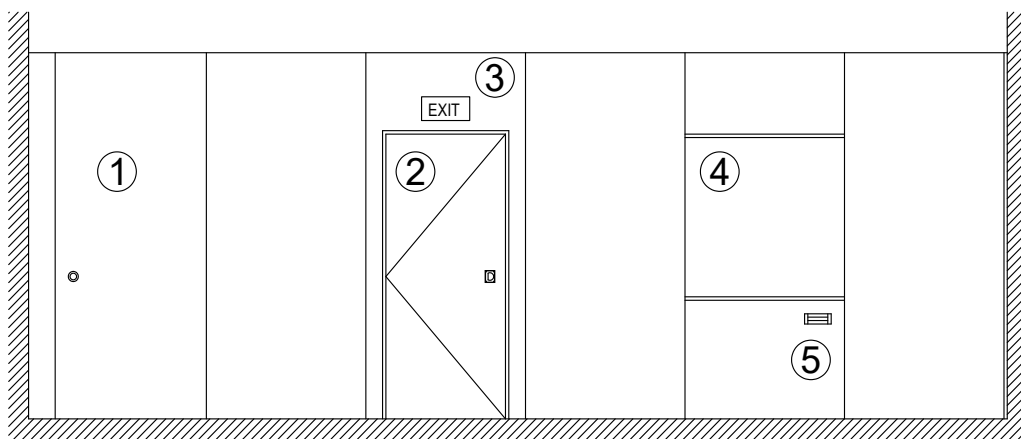50 mm [2"]

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

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Vertical Section

57 mm
[2 1/4"]

Structural support by others

Acoustical plenum barrier by others
(refer to ASTM E557)

178 mm [7"]
MIN

Threaded rods by Moderco

#23-T aluminum track

25 mm [1"]

25 mm
[1"]

Top seal

Aluminum moulding

85 mm
[3 3/8"]

Finished floor to underside of ceiling

Fabrication height

Aluminum moulding

Bottom seal

50 mm [2"]

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Elevation

1-	Telescopic closure panel	4-	Work surface
2-	Single pass door	5-	Eraser box
3-	Self-illuminated exit sign		

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Track Options

133 mm [5 1/4"]

204 mm [8"] MIN

25 mm [1"]

149 mm [5 7/8"]
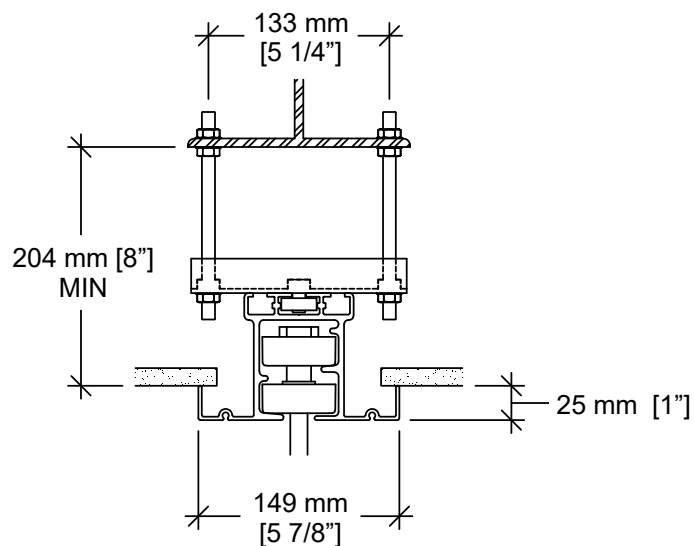
#23-T track with optional hanger bracket

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

57 mm [2 1/4"]

178 mm [7"] MIN

25 mm [1"]

158 mm [6 1/4"]
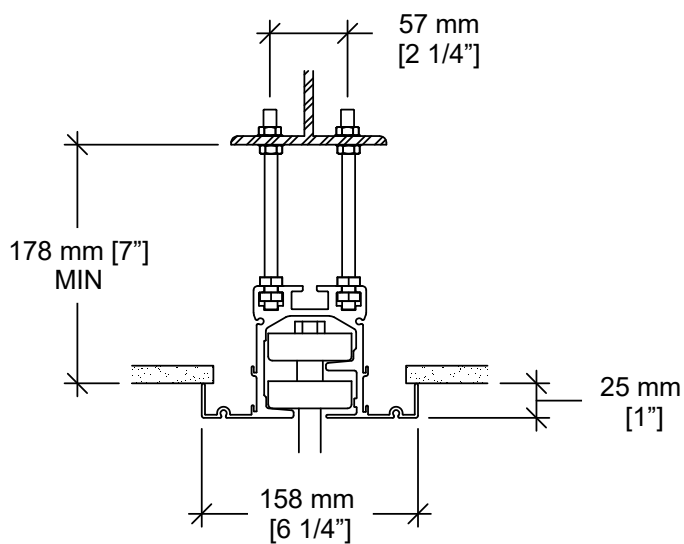
#33-T aluminum track
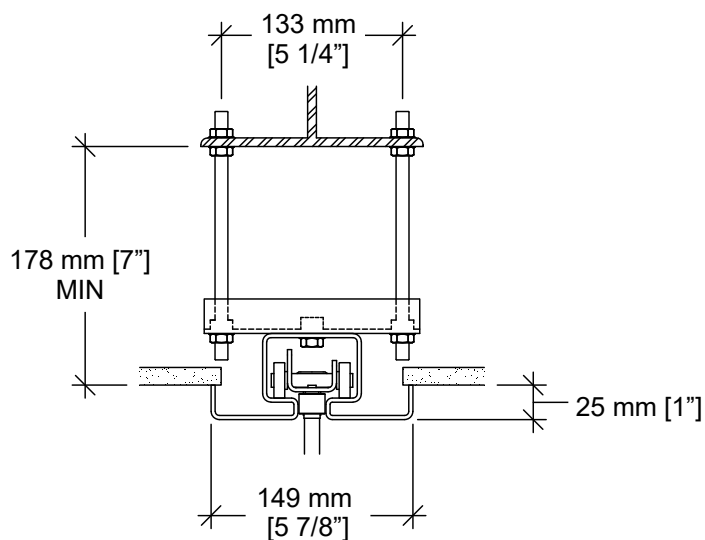
Standard for partitions from a height of 4648 mm [15'-3"] up to 6780 mm [22'-3"].

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

133 mm [5 1/4"]

204 mm [8"] MIN

25 mm [1"]

158 mm [6 1/4"]
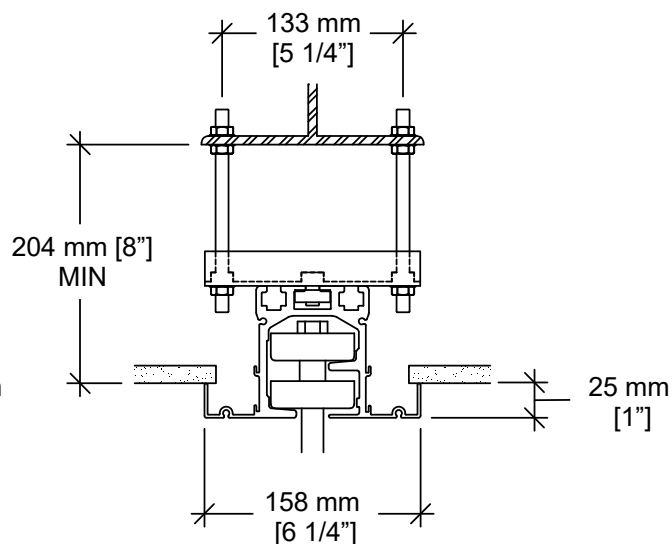
#33-T aluminum track with optional hanger bracket

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Track Options (cont'd)

#72 steel track with hanger bracket

133 mm [5 1/4"]

178 mm [7"] MIN

149 mm [5 7/8"]

25 mm [1"]

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

Programmable switches.

#55-T aluminum track (#53 trolley)

57 mm [2 1/4"]

178 mm [7"] MIN

158 mm [6 1/4"]

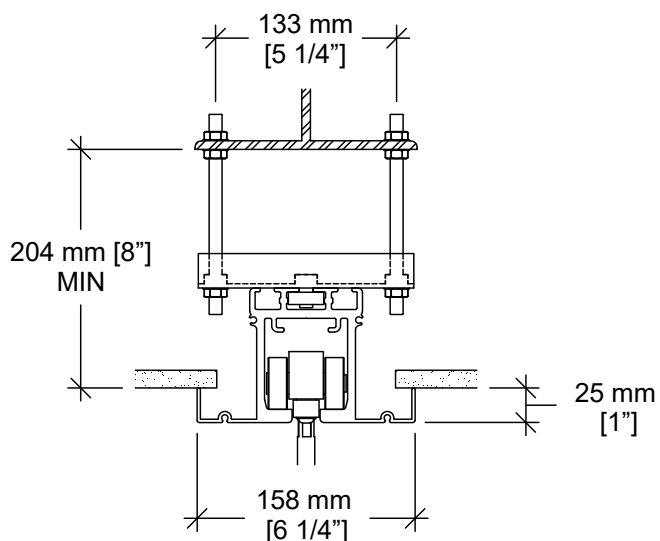25 mm [1"]
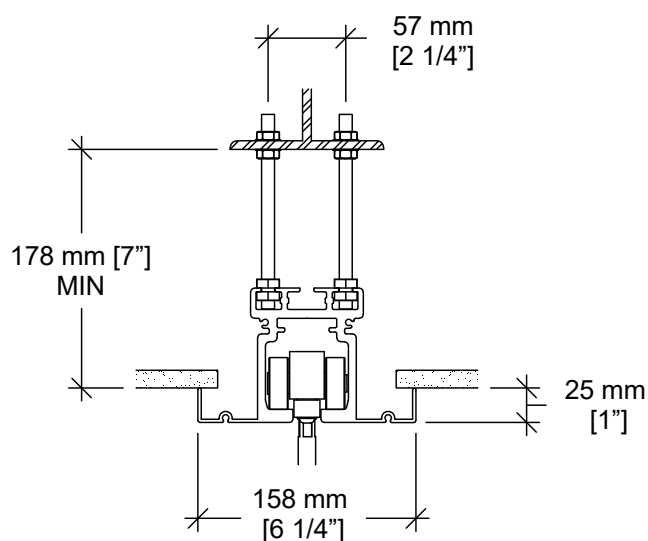
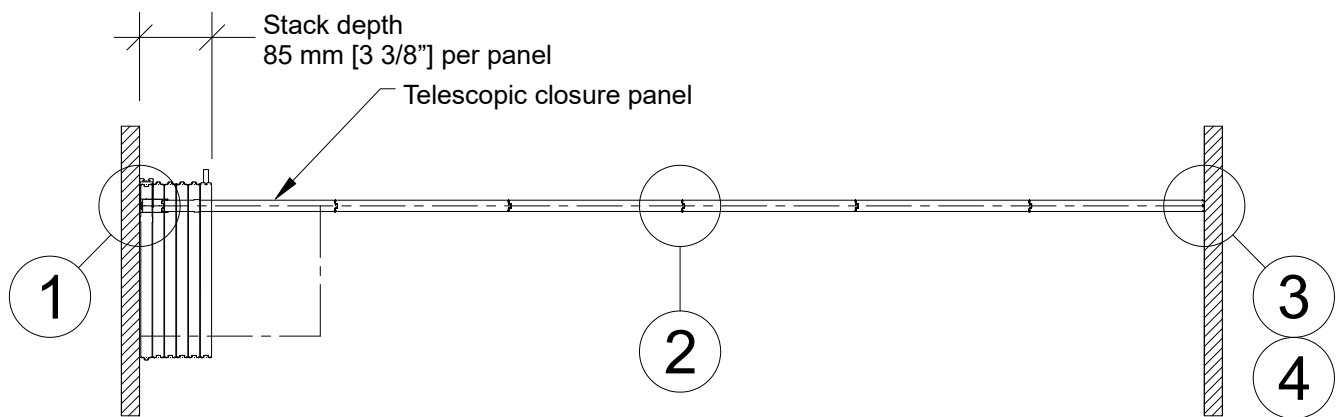Standard for partitions from a height of 6780 mm [22'-3"] up to 10135 mm [33'-3"].

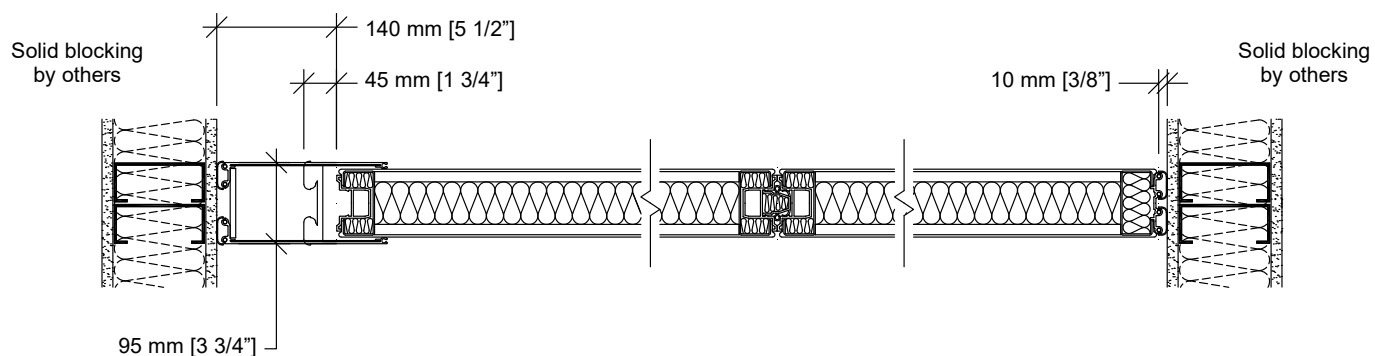Optional for partitions up to 6780 mm [22'-3"].

Programmable switches.

#55-T aluminum track (#53 trolley) with optional hanger bracket

133 mm [5 1/4"]

204 mm [8"] MIN

158 mm [6 1/4"]

25 mm [1"]

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Plan View

Stack depth
85 mm [3 3/8"] per panel

Telescopic closure panel

1

2

3

4

Telescopic closure panel

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Horizontal Sections

Solid blocking
by others

140 mm [5 1/2"]

45 mm [1 3/4"]

95 mm [3 3/4"]

10 mm [3/8"]

Solid blocking
by others

1 Telescopic closure

2 Panel joint

3 Bulb seal

60 mm ± 12 mm
[2 3/8" ± 1/2"]

Solid blocking
by others

4 Wall jamb
(optional)

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Typical Layouts - #23-T & #33-T Tracks

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN
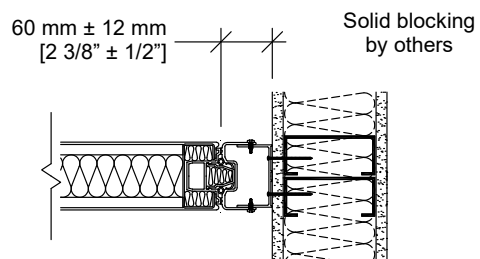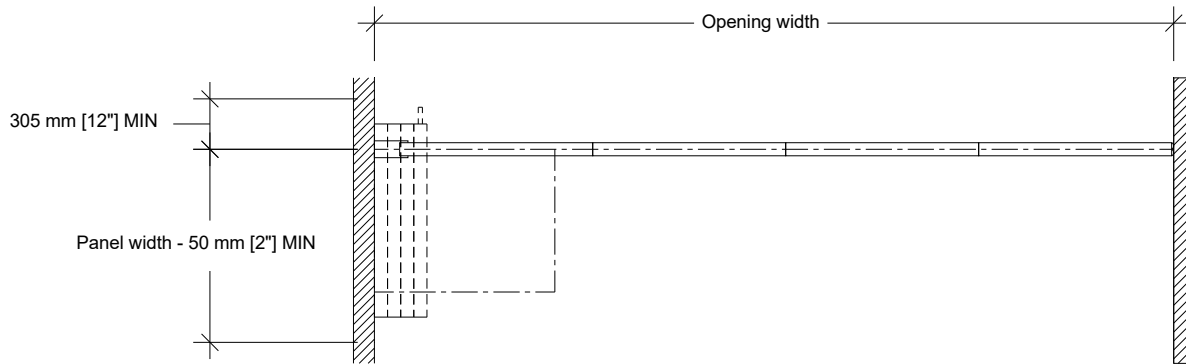
Wall to wall Side Stack – telescopic closure
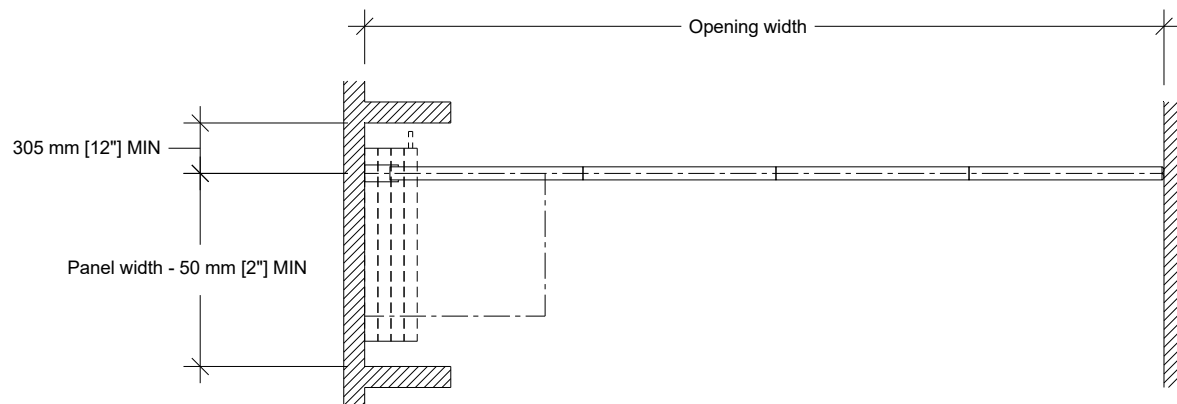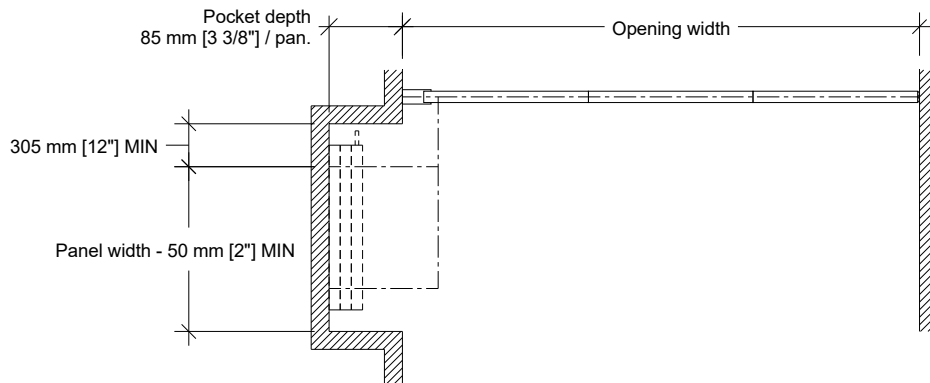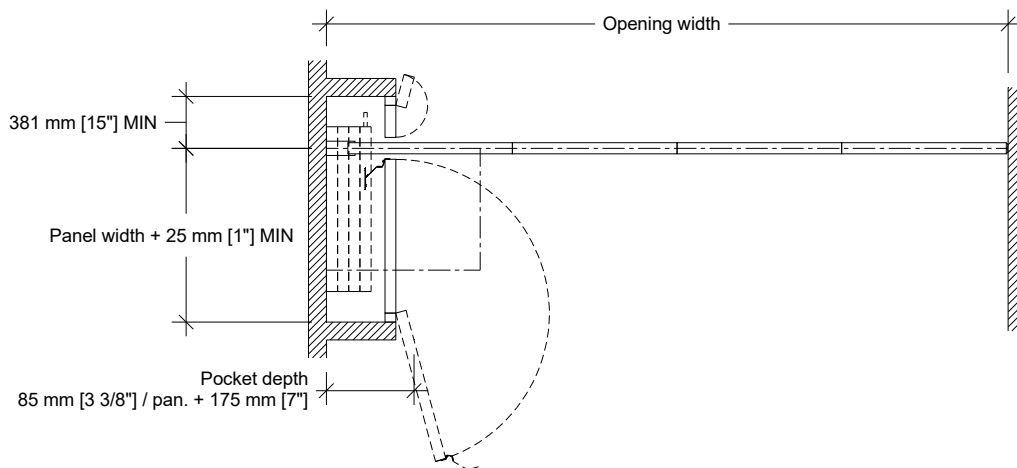
Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

Pocket

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Typical Layouts - #23-T & #33-T Tracks (cont'd)

Pocket depth
85 mm [3 3/8"] / pan.

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

Remote Stack

Opening width

381 mm [15"] MIN

Panel width + 25 mm [1"] MIN

Pocket depth
85 mm [3 3/8"] / pan. + 175 mm [7"]

**Pocket and PN-73 non-acoustical pocket door
(partition seals to back of pocket)**

Pocket depth
85 mm [3 3/8"] / pan. + 175 mm [7"]

Opening width

368 mm [14 1/2"] MIN

Panel width + 25 mm [1"] MIN

**Pocket and PA-72B acoustical pocket door
(partition seals to face of pocket door)**

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Typical Layouts - #72 & #55-T Tracks

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN
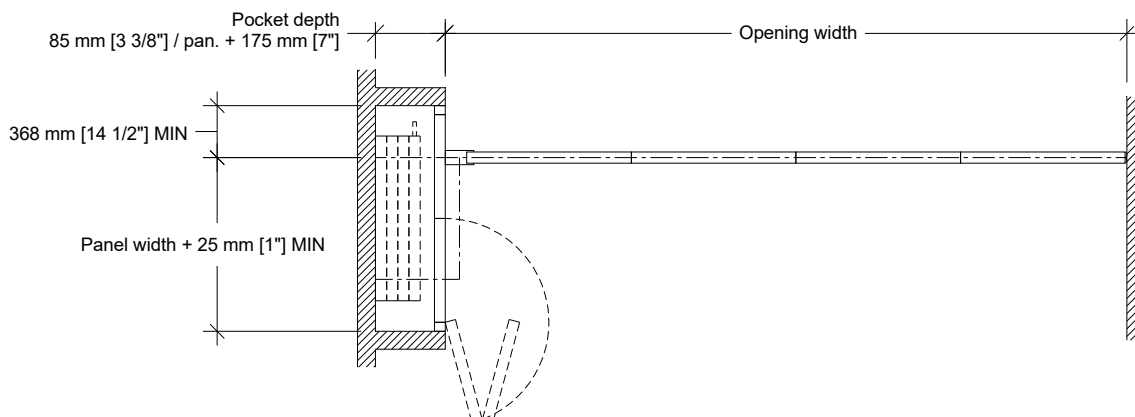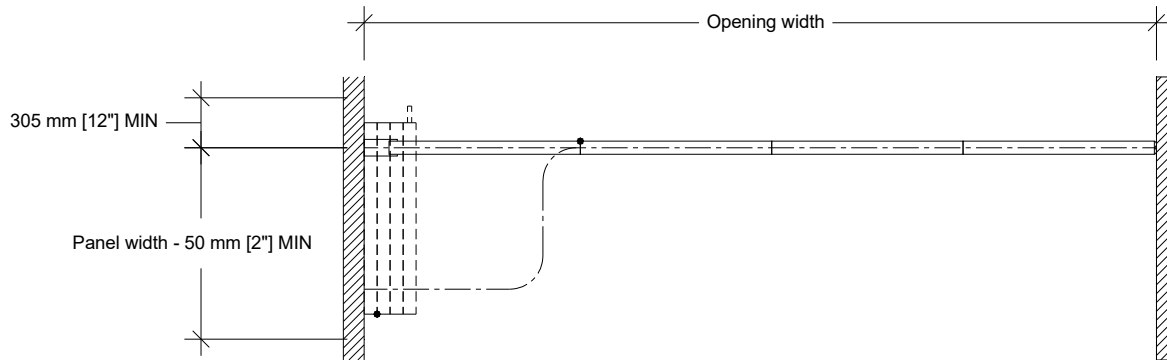
Side Stack – bi-folding telescopic closure

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

Pocket

731_DS_24-02_0

MODERCO

Typical Layouts - #72 & #55-T Tracks (cont'd)

Pocket depth
85 mm [3 3/8"] / pan.

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

Remote Stack

Opening width

381 mm [15"] MIN

Panel width + 25 mm [1"] MIN

Pocket depth
85 mm [3 3/8"] / pan. + 175 mm [7"]

Pocket and PN-73 non-acoustical pocket door
(partition seals to back of pocket)

Pocket depth
85 mm [3 3/8"] / pan. + 175 mm [7"]

Opening width

368 mm [14 1/2"] MIN

Panel width + 25 mm [1"] MIN

Pocket and PA-72B acoustical pocket door
(partition seals to face of pocket door)

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