MODERCO

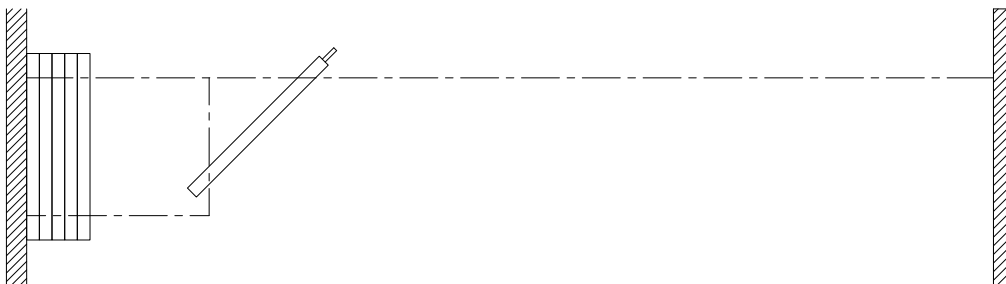## Technical Data Sheet
Excel 731

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
 - last panel fitted with fixed bottom sweeps

• 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"].
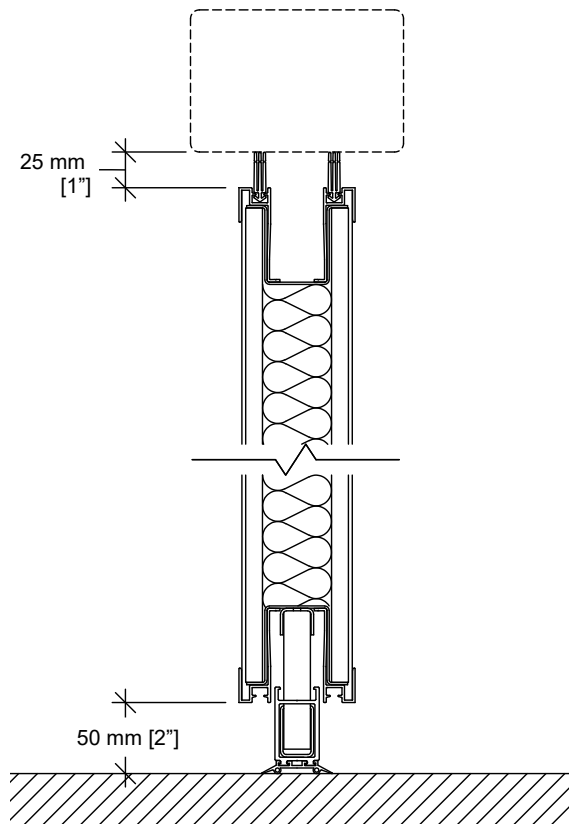
Optional Features and Accessories

• 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).

• Final closure by hinged closure panel.

• Inset white marker boards (with no vertical trims).

• Surface-mounted porcelain marker board (trimmed on 4 sides).

• Eraser boxes.

• Acoustical or non-acoustical pocket door.

![MODERCO logo]

Optional Features and Accessories (cont'd)

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

- Door options:
  - concealed automatic closer
  - 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.
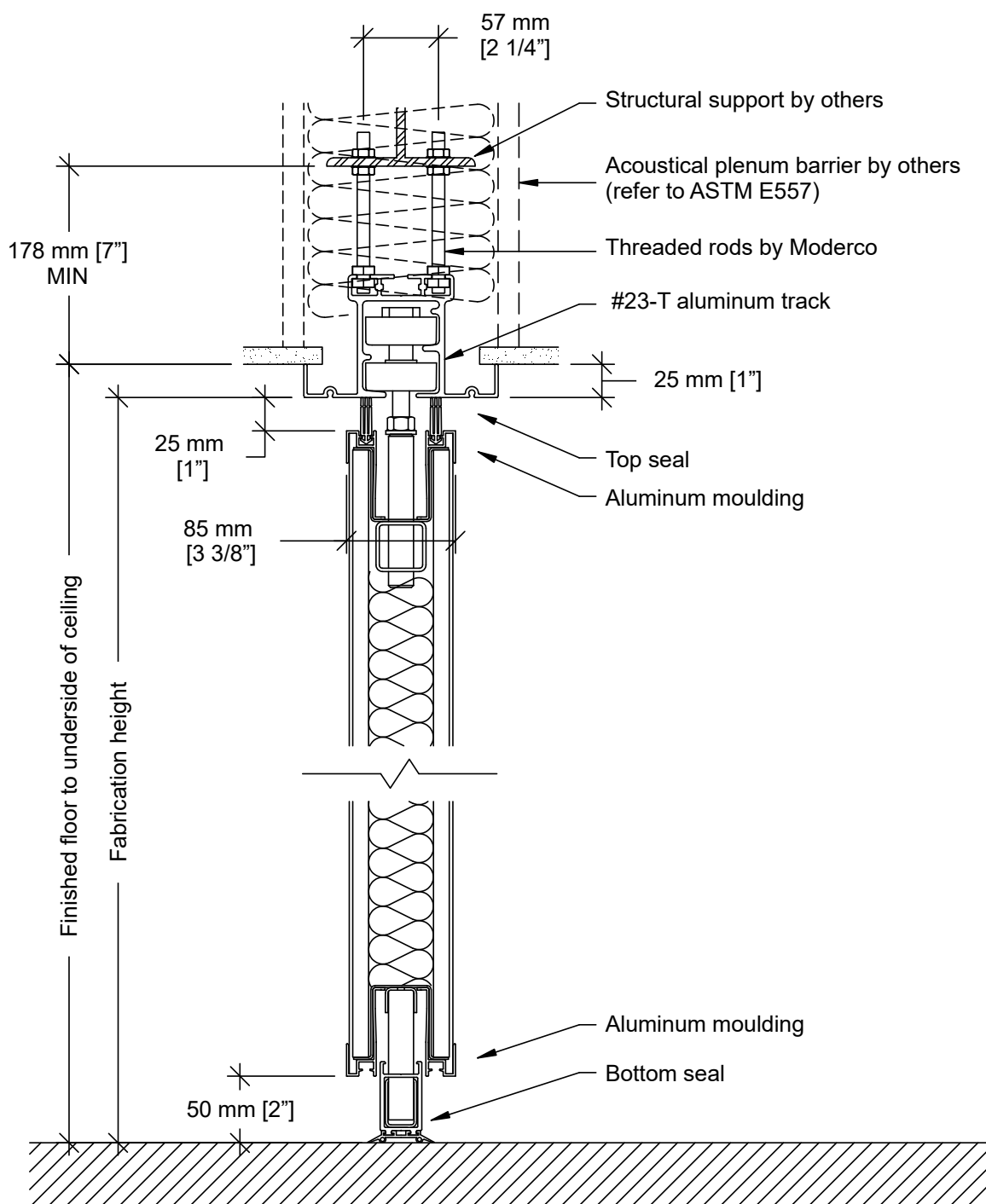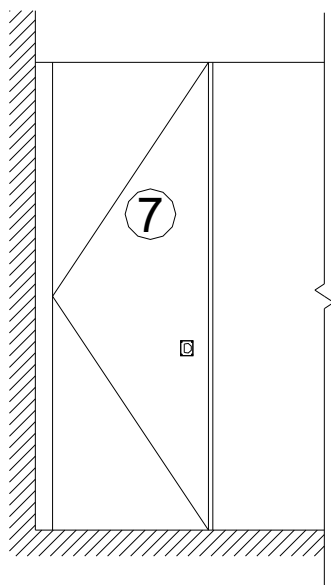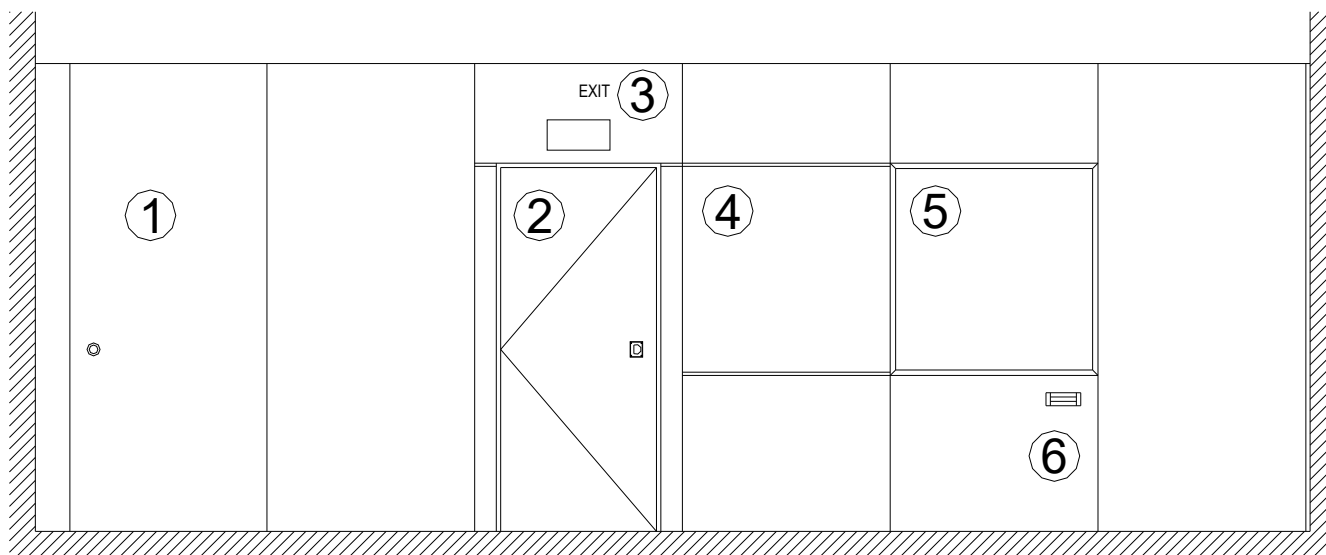
Horizontal Seals

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
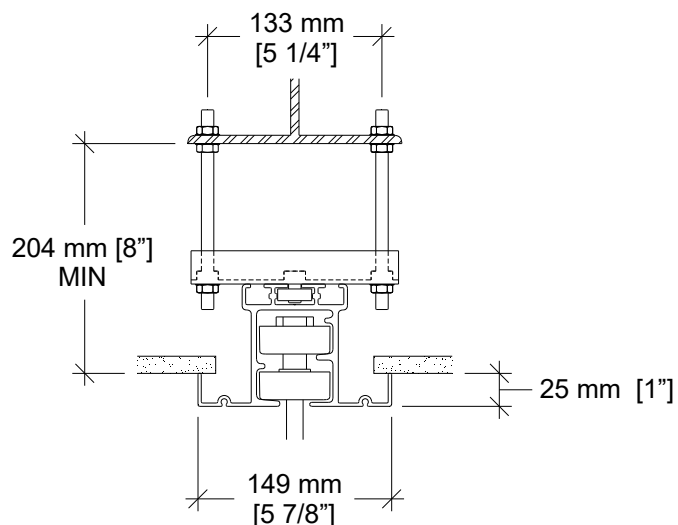
Aluminum moulding

Bottom seal

50 mm [2"]

- 3 -

Elevation

1- Telescopic closure panel

2- Single pass door

3- Self-illuminated exit sign

4- Standard white board

5- Porcelain white board

6- Eraser box

7- Hinged closure panel

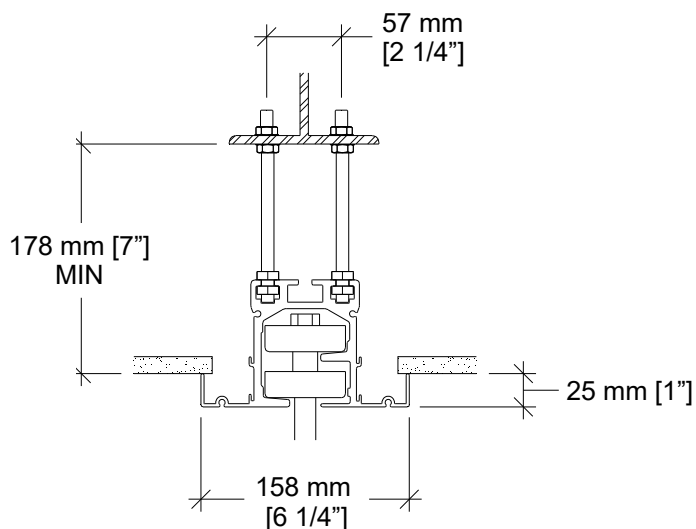731_DS_25-12_0
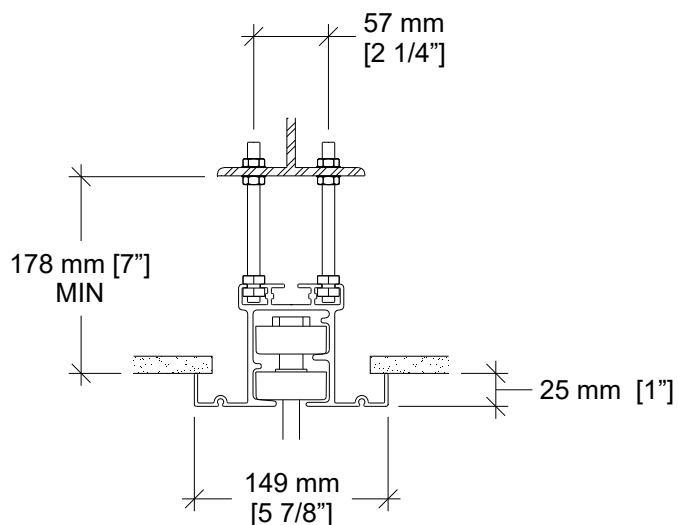
Track Options

#23-T aluminum track

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

#23-T aluminum track with optional hanger bracket
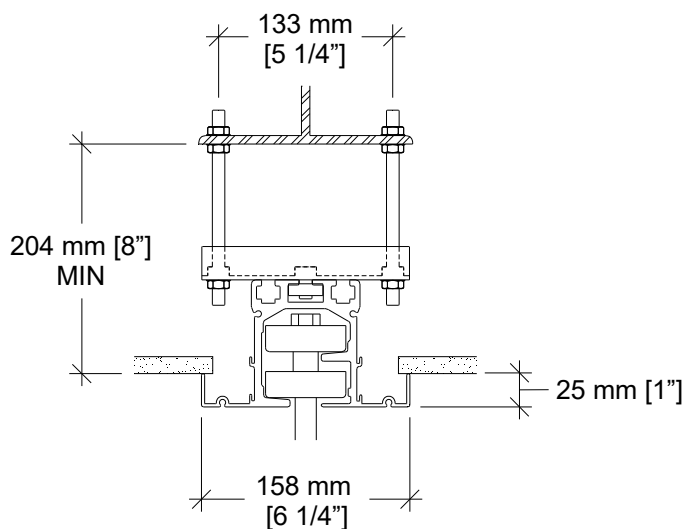
Hanger bracket required for installations where the topmost nuts cannot be used for adjustment.

#33-T aluminum track

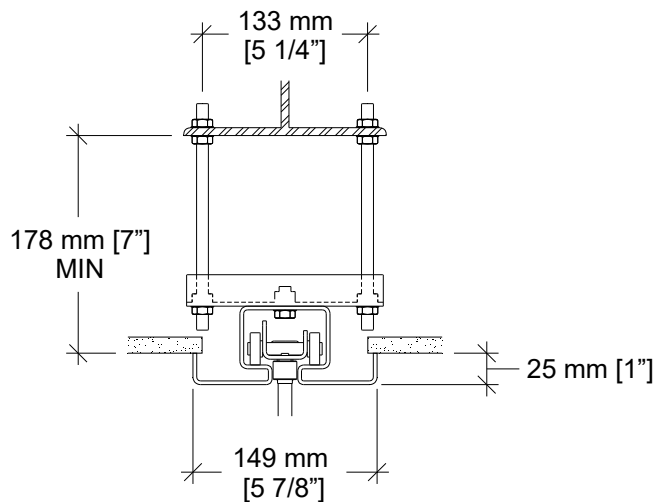Standard for partitions from a height of 4648 mm [15'-3"] up to 6780 mm [22'-3"].

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

#33-T aluminum track with optional hanger bracket

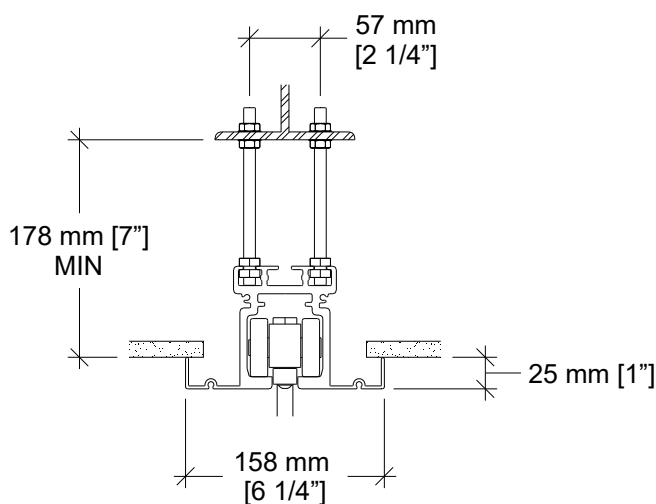Hanger bracket required for installations where the topmost nuts cannot be used for adjustment.

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Track Options (cont'd)

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"].

Programmable switches.

57 mm
[2 1/4"]

178 mm [7"]
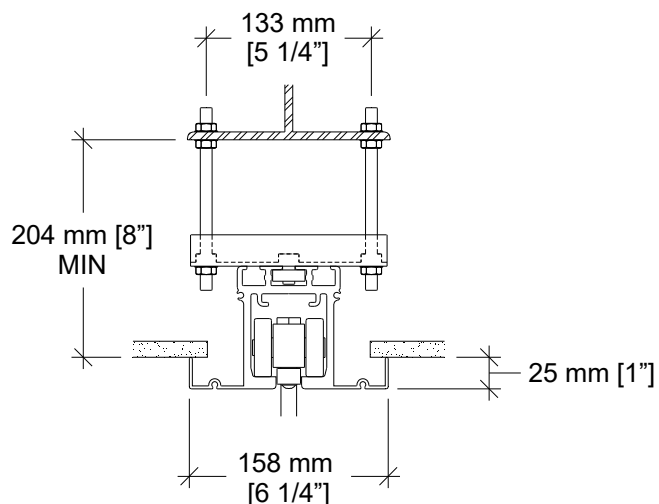MIN

25 mm [1"]

158 mm
[6 1/4"]

#55-T aluminum track

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

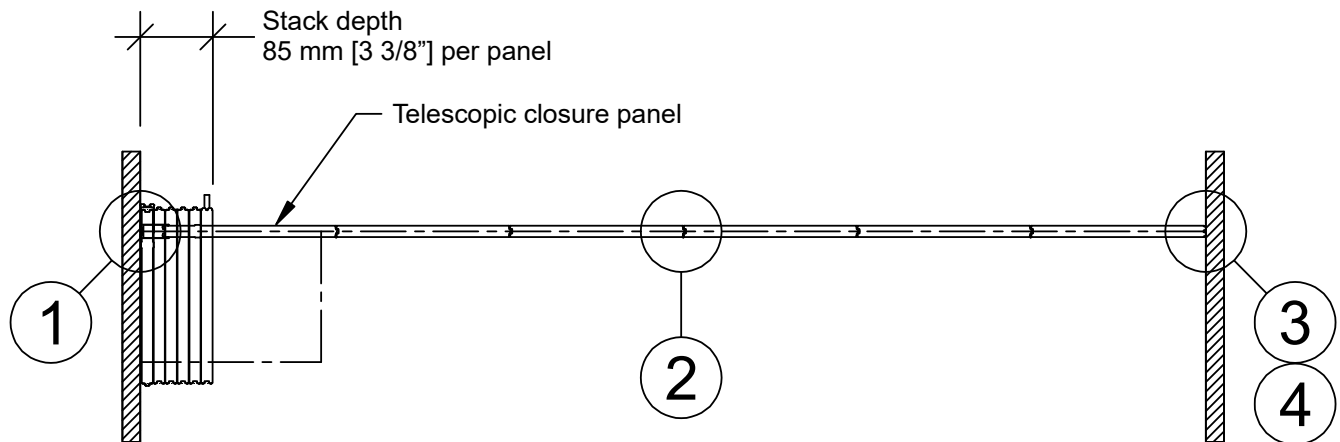Optional for partitions up to 6780 mm [22'-3"].
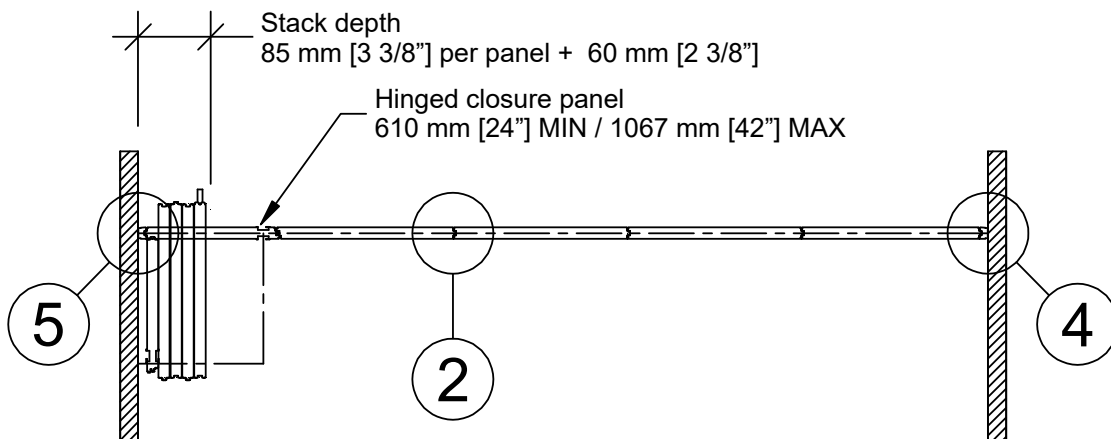
Programmable switches.

133 mm
[5 1/4"]

204 mm [8"]
MIN

25 mm [1"]

158 mm
[6 1/4"]

**#55-T aluminum track
with optional hanger bracket**

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

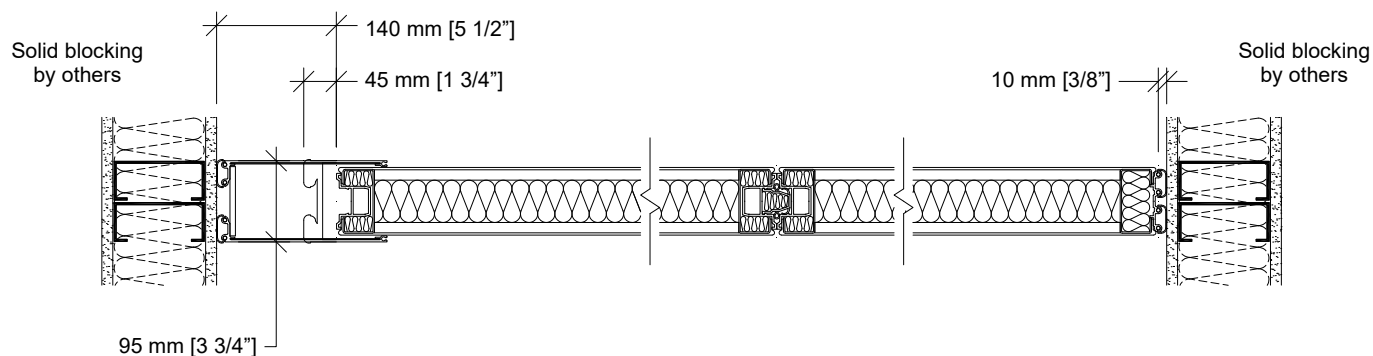731_DS_25-12_0

Plan View

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

Telescopic closure panel

① ② ③ ④

Telescopic closure panel

Stack depth
85 mm [3 3/8"] per panel + 60 mm [2 3/8"]

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

⑤ ② ④

Hinged closure panel

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Horizontal Sections

140 mm [5 1/2"]

Solid blocking
by others

45 mm [1 3/4"]

Solid blocking
by others

10 mm [3/8"]

95 mm [3 3/4"]

1 Telescopic closure

2 Panel joint

3 Bulb seal

5 Hinged closure

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

406 mm [16"] MIN

Panel width
- 152 mm [6"] MIN
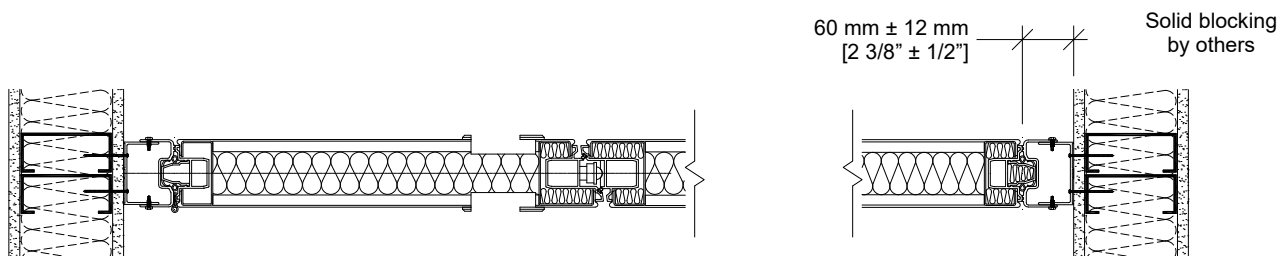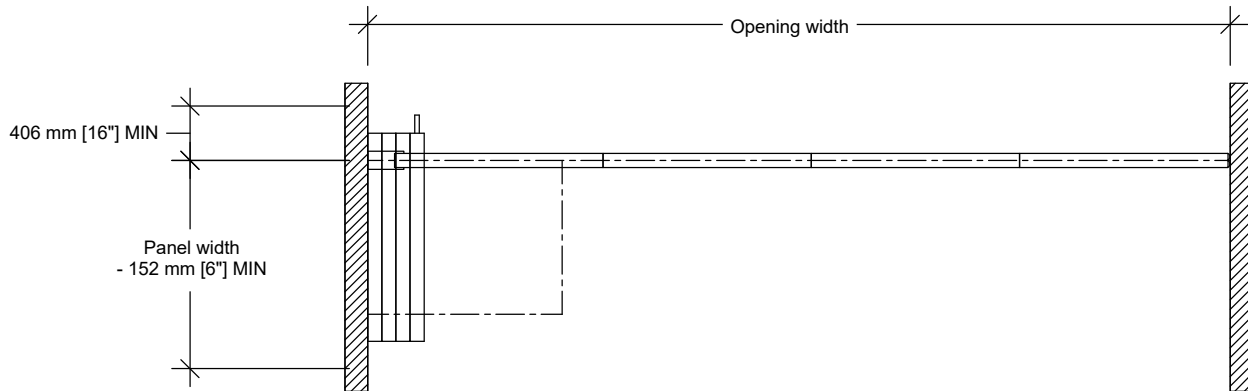
Wall to wall – telescopic closure

Opening width

406 mm [16"] MIN

Panel width
- 152 mm [6"] MIN
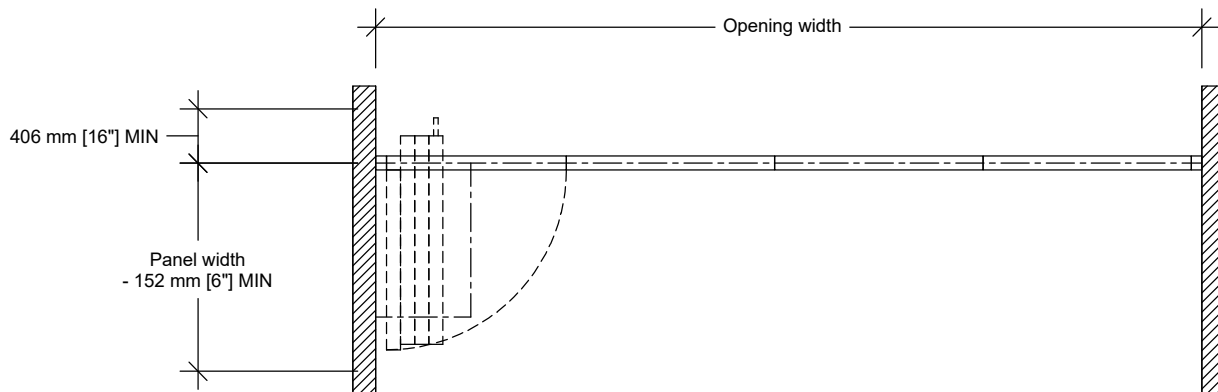
Wall to wall – hinged closure
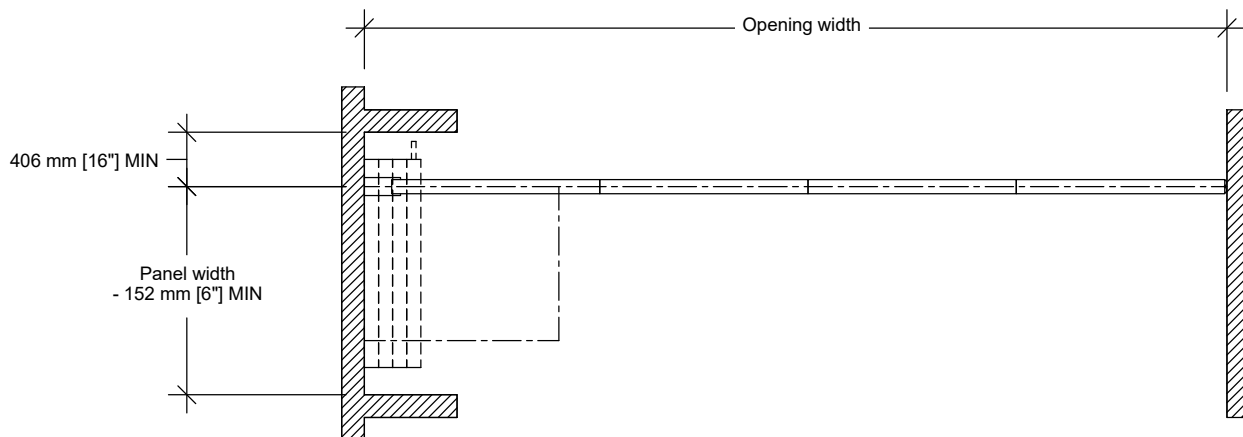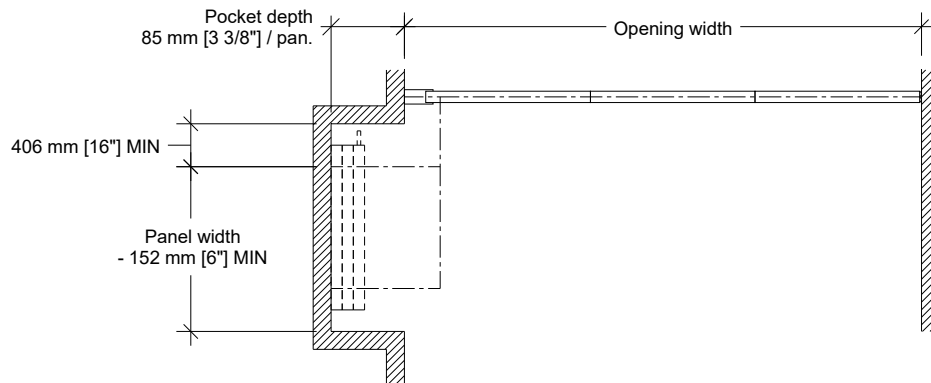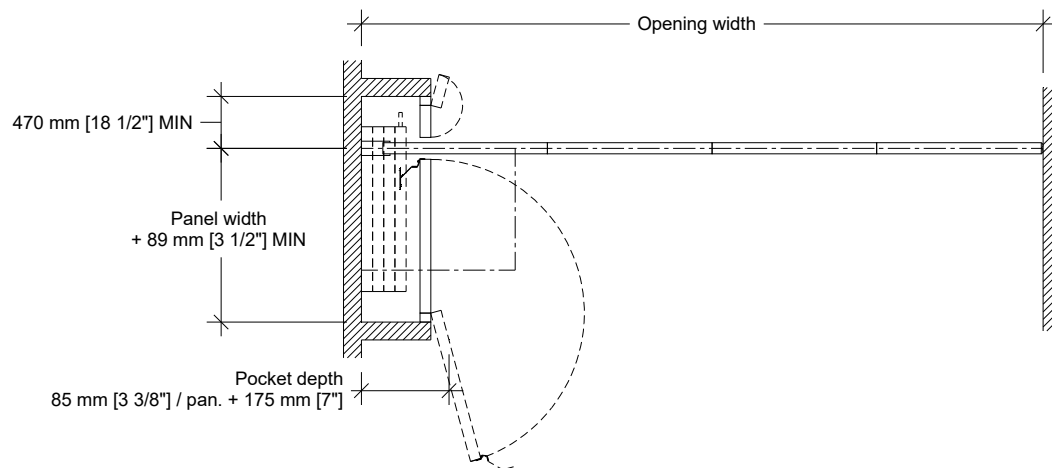
Opening width

406 mm [16"] MIN

Panel width
- 152 mm [6"] 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

406 mm [16"] MIN

Panel width
- 152 mm [6"] MIN

Remote Stack

Opening width

470 mm [18 1/2"] MIN

Panel width
+ 89 mm [3 1/2"] 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

470 mm [18 1/2"] MIN

Panel width
+ 89 mm [3 1/2"] 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

254 mm [10"] MIN

Opening width

Panel width
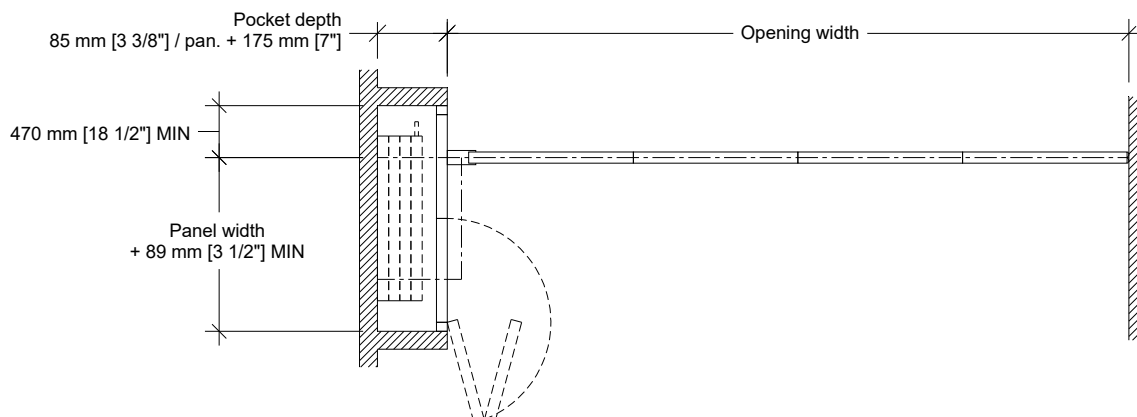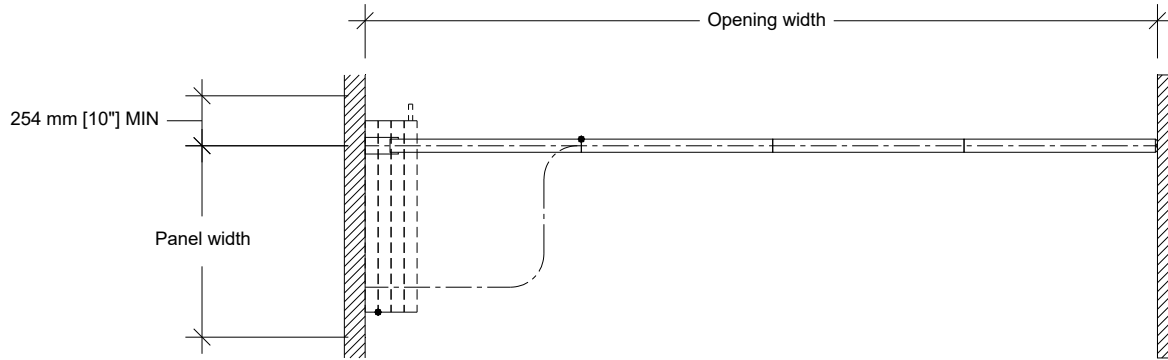
Side Stack – bi-folding telescopic closure

254 mm [10"] MIN

Opening width

Panel width

Pocket

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

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

Opening width

406 mm [16"] MIN

Panel width
- 152 mm [6"] MIN

Remote Stack

Opening width

394 mm [12 1/2"] MIN

Panel width
+ 64 mm [2 1/2"] 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

470 mm [18 1/2"] MIN

Panel width
+ 89 mm [3 1/2"] MIN

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

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