Technical Data Sheet
Crystal 241
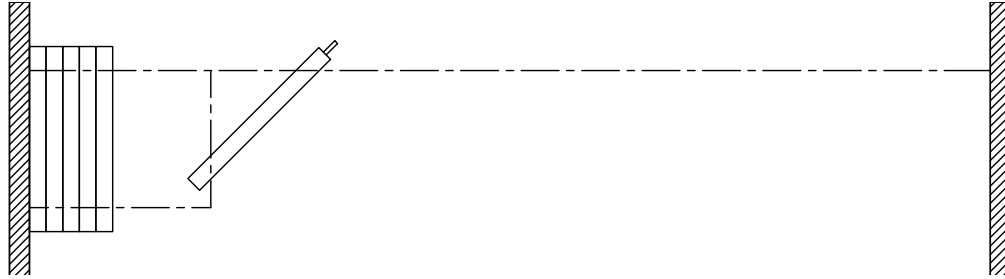
Features & Options

Standard Features

- Manually-operated individual-panel glass movable partition.

- STC 44.

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

- Clear-anodized steel-reinforced aluminum frame.

- Protective trims on the 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

- 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.

- 6 mm [1/4"] clear tempered glass faces.

Maximum height : 3733 mm [12'-3"].

### Optional Features and Accessories

- Powder-coated frame and/or track.

- Glass finishes : stained, colored, acid washed, frosted, etc.

- Battery-powered electrically tilting blinds and operated by remote control.

- Type FM-1.5 horizontal seals:
  - Fixed top sweeps
  - Manually-operated bottom seals
  - bottom seals provide a floor clearance of 38 mm [1 1/2"]

- Type MM-1.5 horizontal seals:
  - top and bottom retractable seals
  - Manually-operated, simultaneously-activated top and bottom seals
  - bottom seals provide a floor clearance of 38 mm [1 1/2"]

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

- Chalk tray.

- Acoustical or non-acoustical pocket door.

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Optional Features and Accessories (cont'd)

- Final closure by ADA-compliant pivot panel.

  Pivot panel options:
  - panic bar
  - panic bar with lockable lever
  - deadbolt lock

- ADA-compliant full-height hinged door (up to a height of 3124 mm [10'-3"]) with flush pulls and roller latch.

  Deadbolt lock available as an option.

- ADA-compliant u-shaped door with flush pulls and roller latch.

  Pass door options:
  - concealed automatic closer
  - panic bar
  - panic bar with lockable lever
  - self-luminescent exit sign with red (standard) or green (optional) faceplate *
  - "running man" self-luminescent exit sign with green faceplate *
  - deadbolt lock *

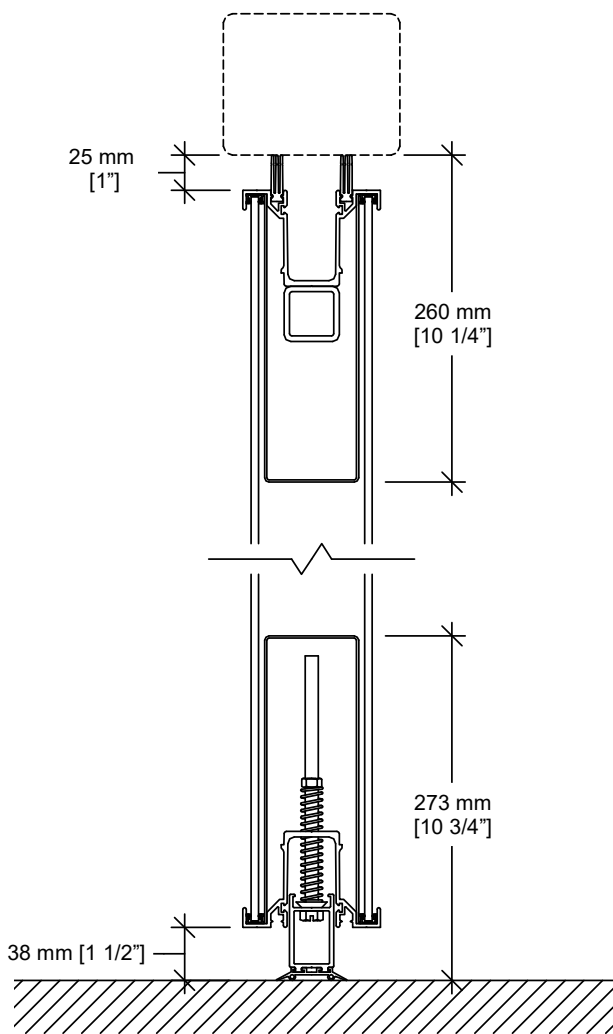 (* An exit sign and a deadbolt lock will not be installed together on the same door.)

Horizontal Seals

25 mm [1"]

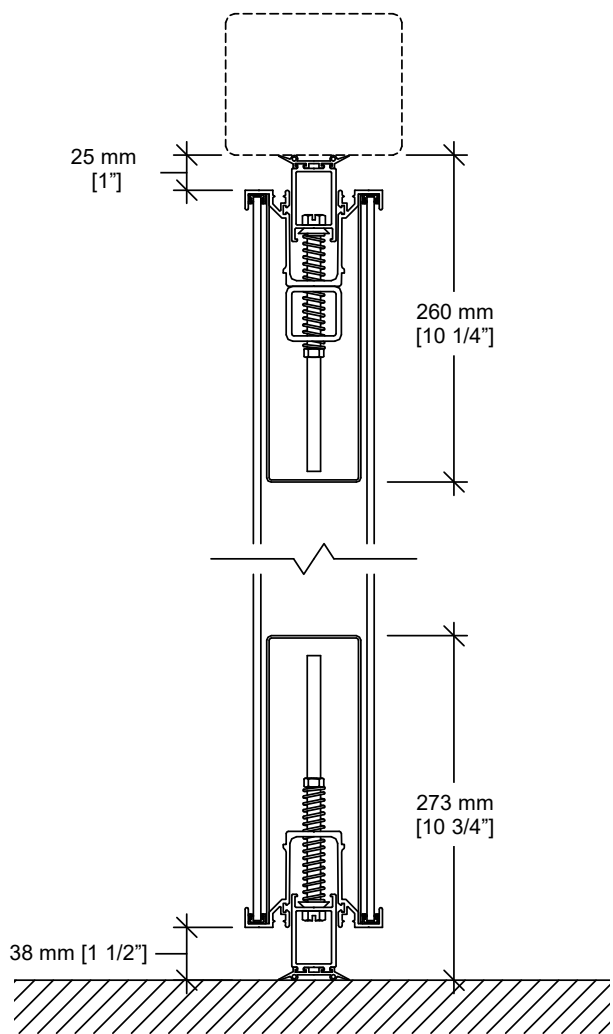158 mm [6 1/4"]

184 mm [7 1/4"]
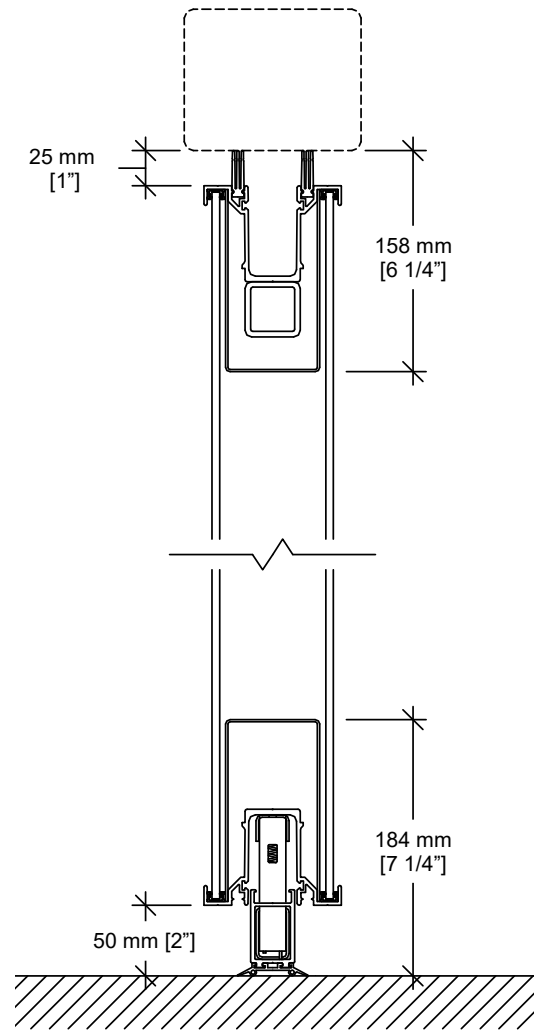
50 mm [2"]

Type FA
Floor clearance : 50 mm [2"]
Operating tolerances :
+0 mm / -38 mm [+0" / -1 1/2"]
(+0 mm / -25 mm [+0" / -1"] if the partition has a pass through door)

Horizontal Seals (cont'd)

25 mm [1"]

260 mm [10 1/4"]

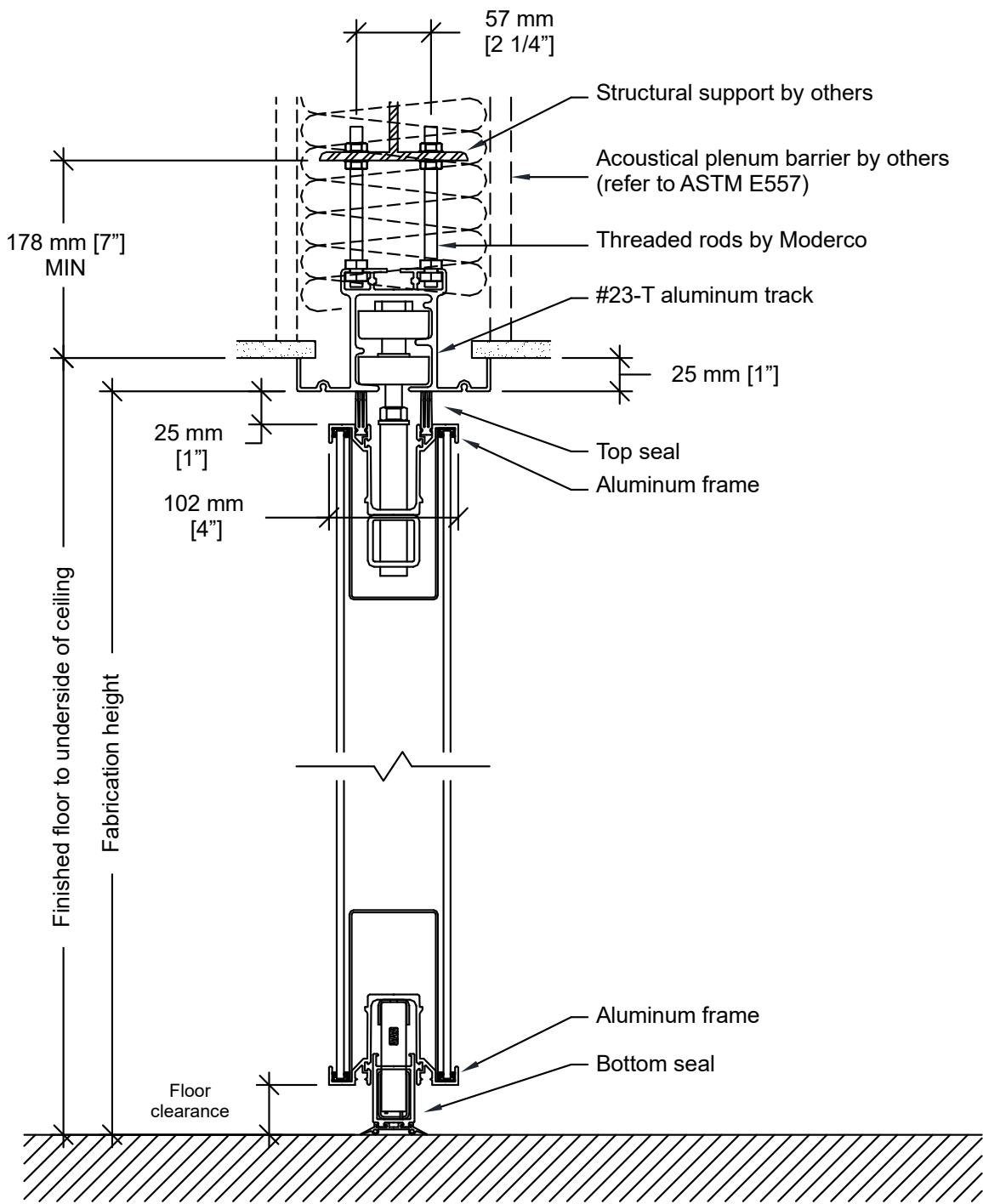273 mm [10 3/4"]

38 mm [1 1/2"]

Type FM-1.5
Floor clearance : 38 mm [1 1/2"]
Operating tolerances :
+0 mm / -19 mm [+0" / -3/4"]
(+0 mm / -12 mm [+0" / -1/2"] if the
partition has a pass through door)

25 mm [1"]

260 mm [10 1/4"]
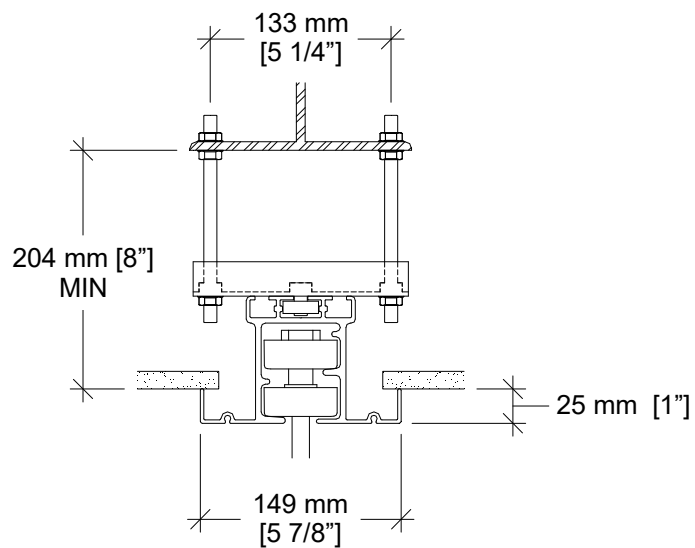
273 mm [10 3/4"]

38 mm [1 1/2"]

Type MM-1.5
Floor clearance : 38 mm [1 1/2"]
Operating tolerances :
+0 mm / -19 mm [+0" / -3/4"]
(+0 mm / -12 mm [+0" / -1/2"] if the
partition has a pass through door)

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 frame

102 mm
[4"]

Finished floor to underside of ceiling

Fabrication height

Aluminum frame

Bottom seal

Floor
clearance

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Track Options

133 mm
[5 1/4"]

204 mm [8"]
MIN

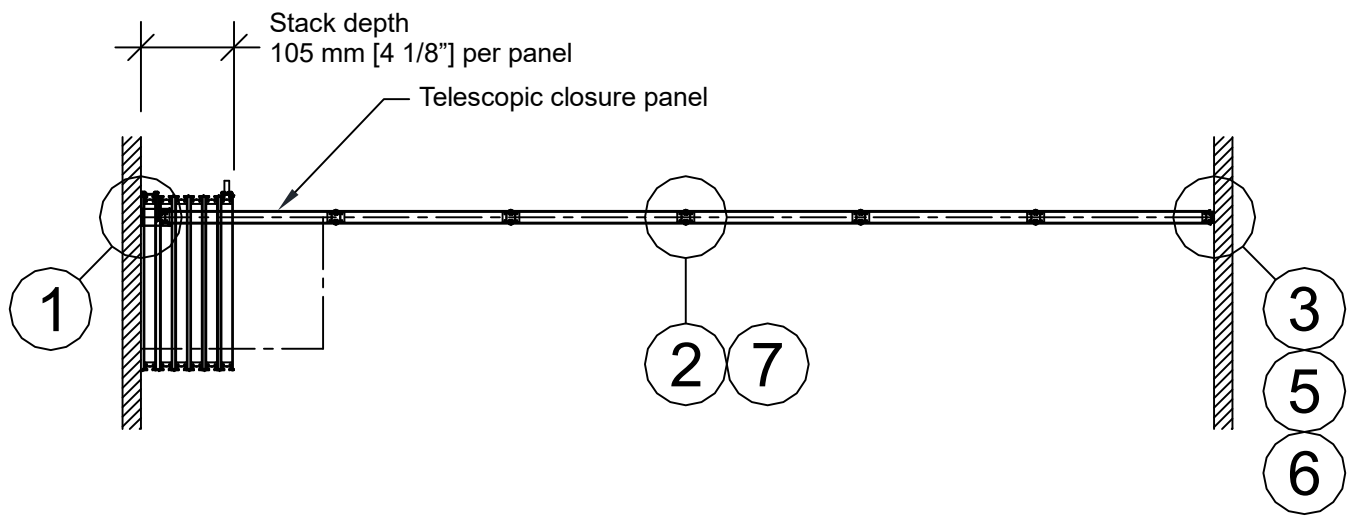25 mm [1"]

149 mm
[5 7/8"]

Optional hanger bracket

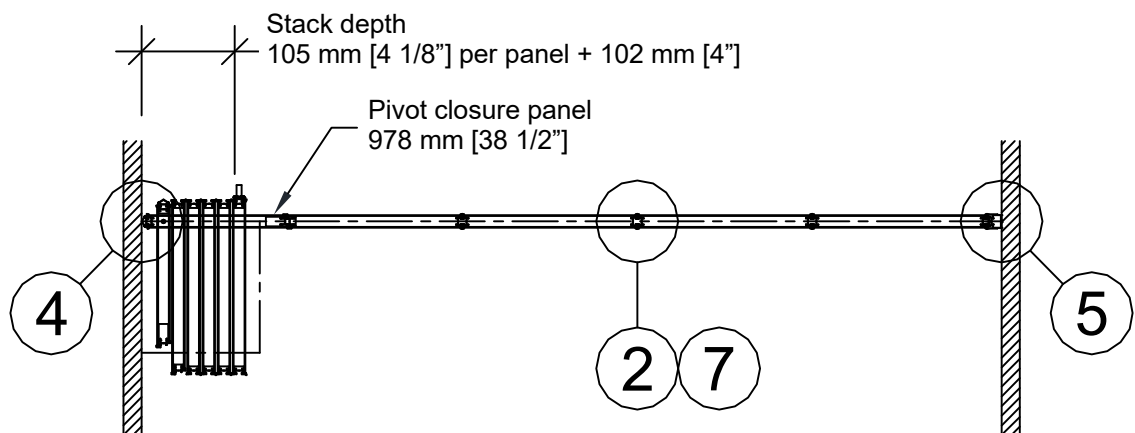Required for installations where the topmost nuts cannot be used for adjustment.

Elevation
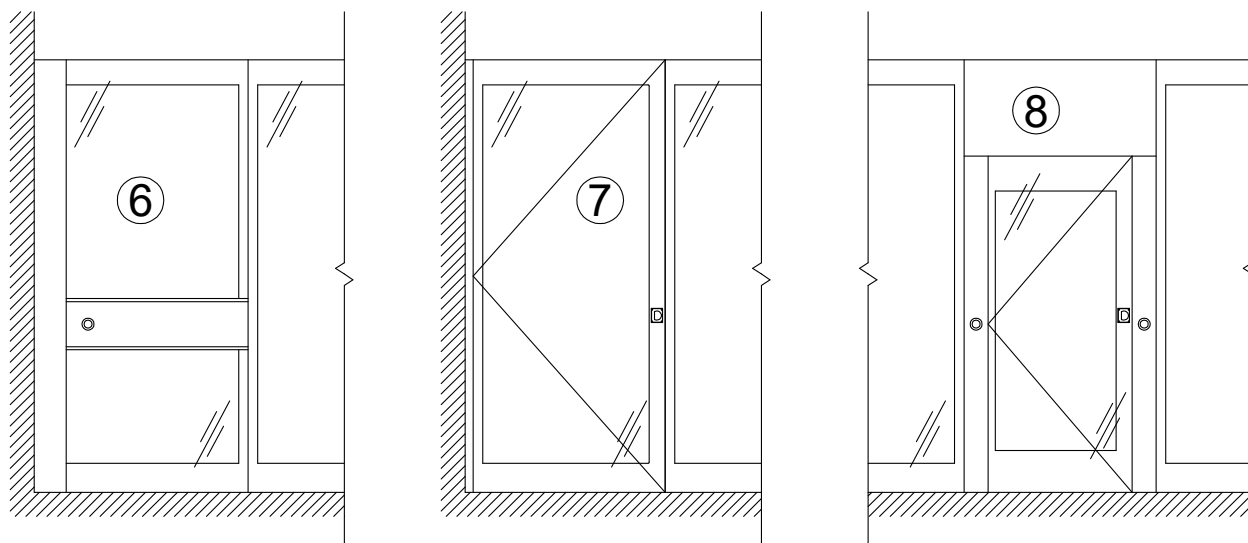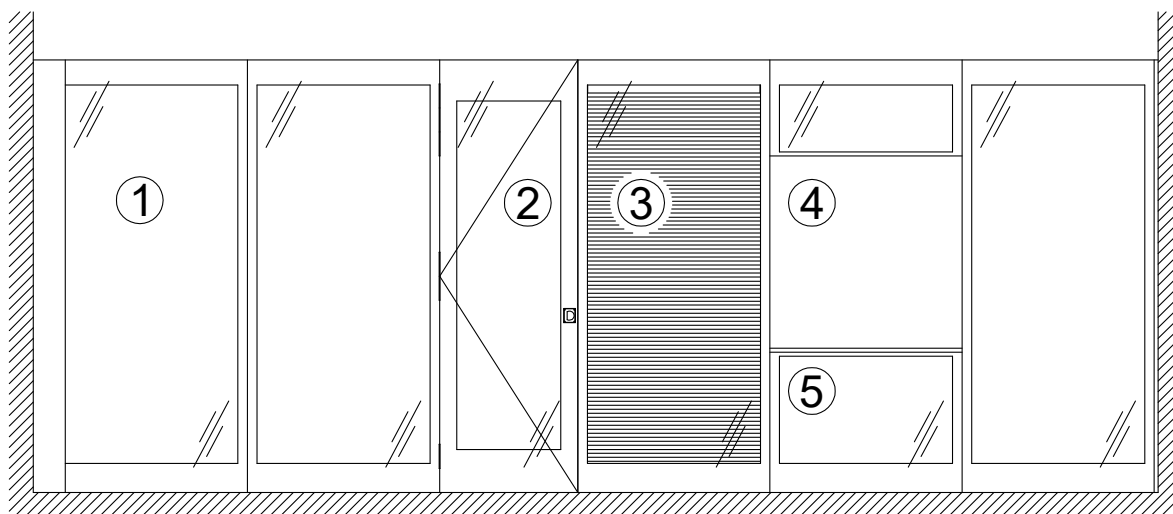
1- Telescopic closure panel
2- Full-height hinged door (optional)
3- Electrically tilting blinds operated by remote control (optional)
4- Work surfaces (optional)
5- Marker tray (optional)
6- Telescopic closure panel with rack and pinion mechanism (optional)
7- Pivot panel (optional)
8- U-shaped pass door (optional)

Plan Views

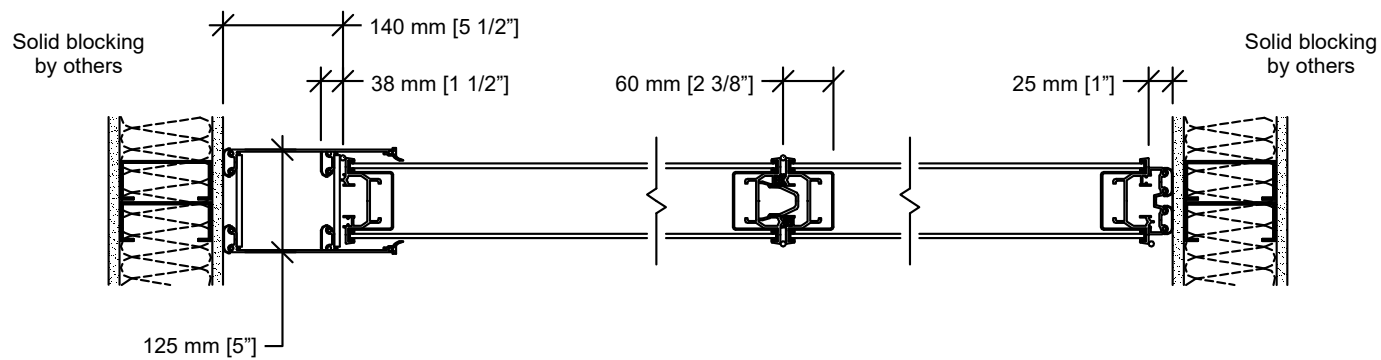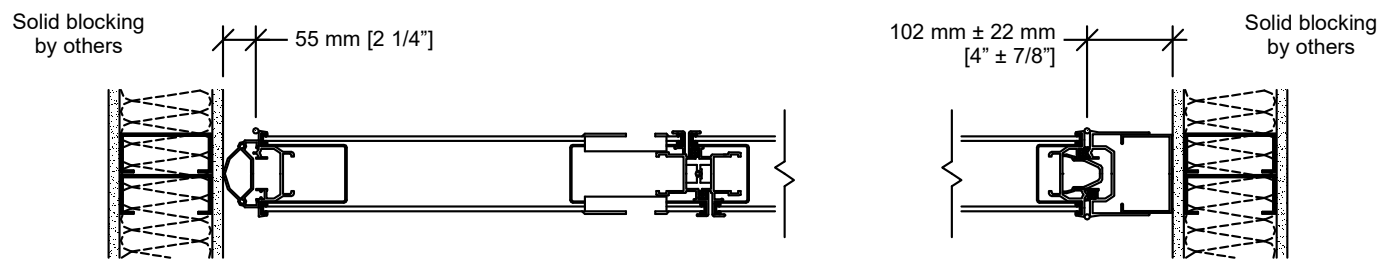Stack depth
105 mm [4 1/8"] per panel

Telescopic closure panel

① ② ⑦ ③ ⑤ ⑥

Telescopic closure panel

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

Pivot closure panel
978 mm [38 1/2"]

④ ② ⑦ ⑤

Pivot closure panel

Horizontal Sections

Solid blocking by others

140 mm [5 1/2"]

38 mm [1 1/2"]

125 mm [5"]

60 mm [2 3/8"]

25 mm [1"]

Solid blocking by others

(1) Telescopic closure

(2) Panel joint (panels type FA horizontal seals)

(3) Bulb seal

Solid blocking by others

55 mm [2 1/4"]

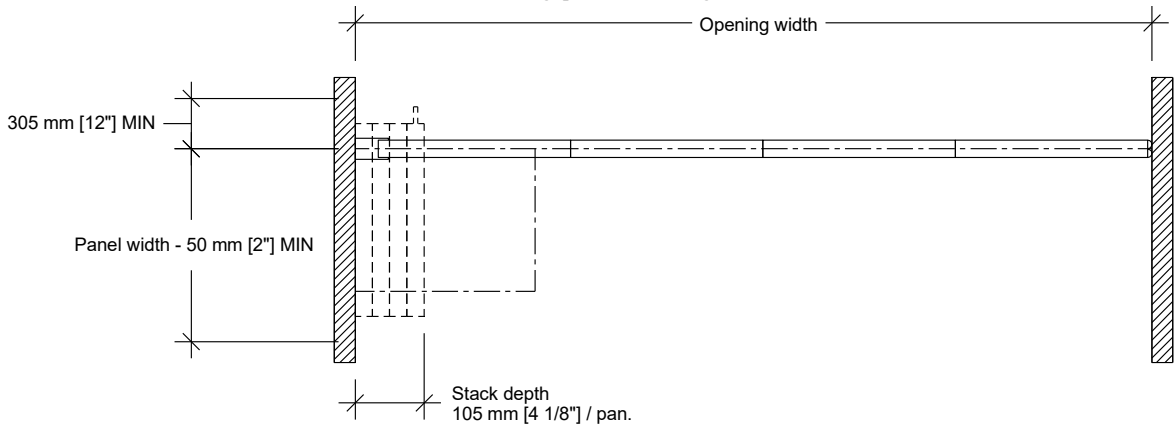102 mm ± 22 mm [4" ± 7/8"]

Solid blocking by others

(4) Pivot closure panel with recessed pulls and roller latch (optional)
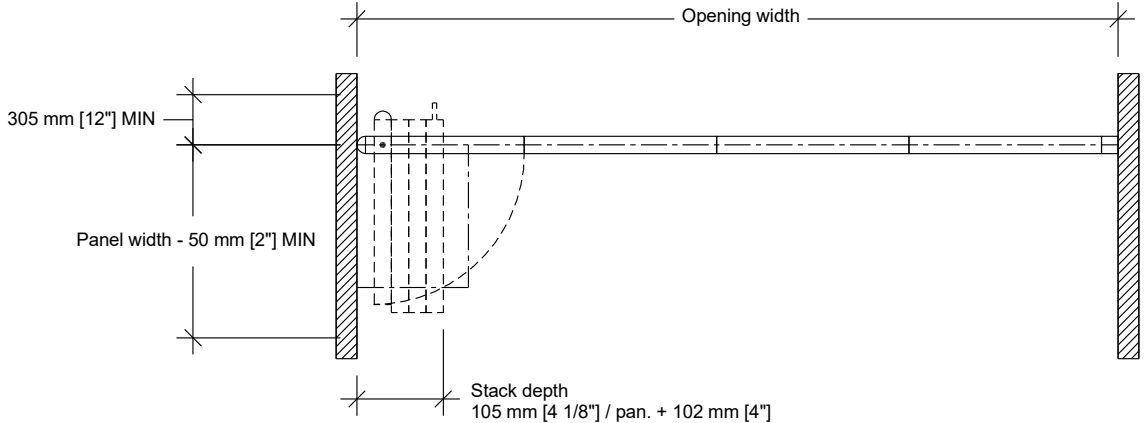
(5) Wall jamb (optional)

108 mm [4 1/4"]
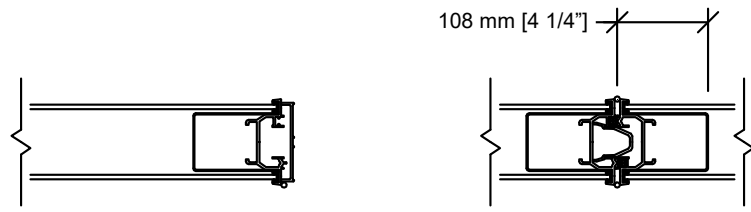
(6) End cap (available on panels with manual seals only)

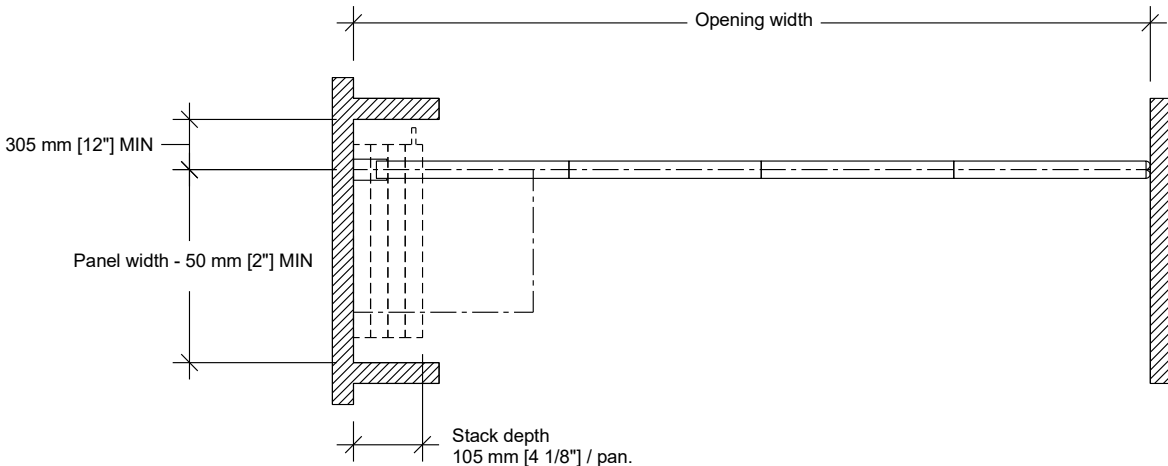(7) Panel joint (panels with FM-1.5 or MM-1.5 horizontal seals)

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Typical Layouts

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

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

Wall to wall Side Stack – telescopic closure

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

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

Wall to wall Side Stack – pivot closure

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

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

Pocket

Typical Layouts (cont'd)

Pocket depth
105 mm [4 1/8"] / pan. MIN — Opening width —

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

Remote Stack

— Opening width —

368 mm [14 1/2"] MIN

Panel width + 25 mm [1"] MIN

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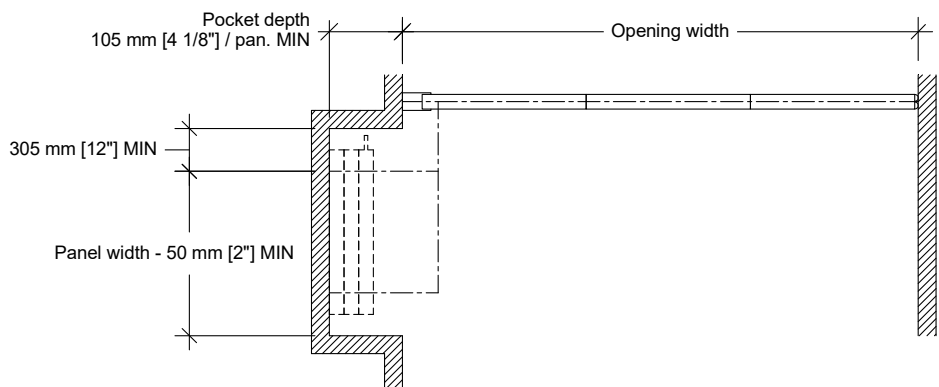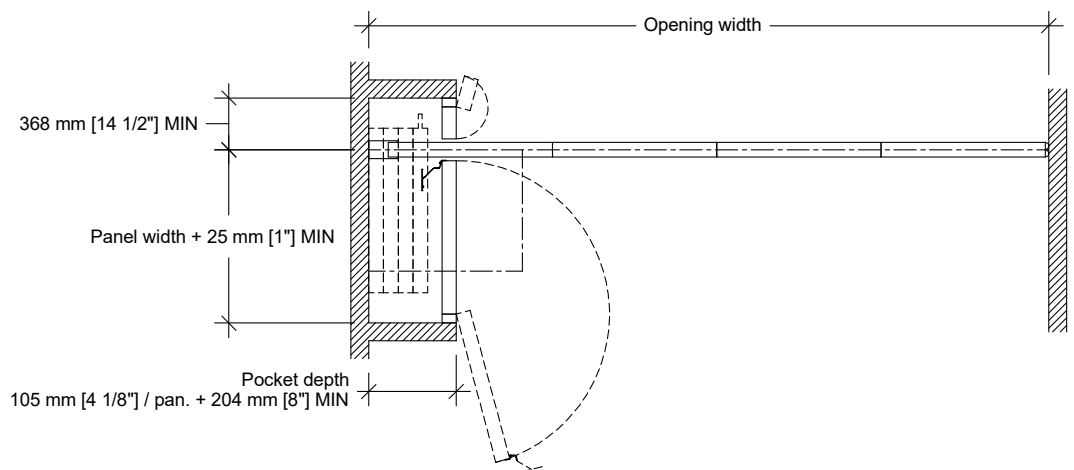
Pocket and PN-83 non-acoustical pocket door
(partition seals to back of pocket)

Pocket depth
105 mm [4 1/8"] / pan. + 204 mm [8"] MIN — Opening width —

368 mm [14 1/2"] MIN

Panel width + 25 mm [1"] MIN
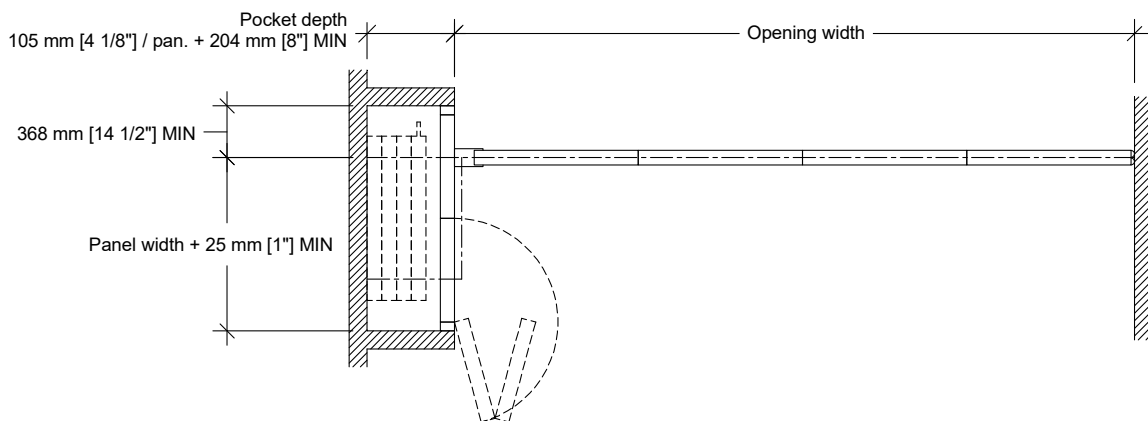
Pocket and PA-82B acoustical pocket door
(partition seals to face of pocket door)