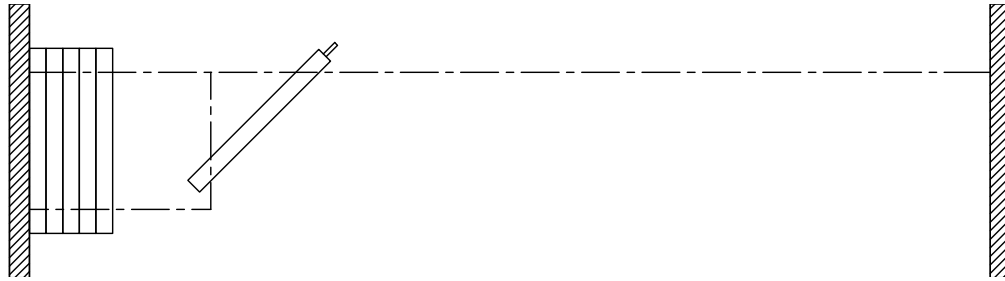# Technical Data Sheet
Signature 841

Features & Options

Standard Features

- Manually-operated individual-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

- 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.

Optional Features and Accessories

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

- Trimless vertical edges.

- 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.

- Owner-supplied wallcovering (approval required).

- Final closure by hinged closure panel.

841_DS_1805_0

Optional Features and Accessories (cont'd)

- (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 (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-illuminated exit sign *
  - "green running man" self-illuminated exit sign *
  - deadbolt lock *

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

- 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 (requires type MM-1, MM-1.5, or MM-2 horizontal seals).
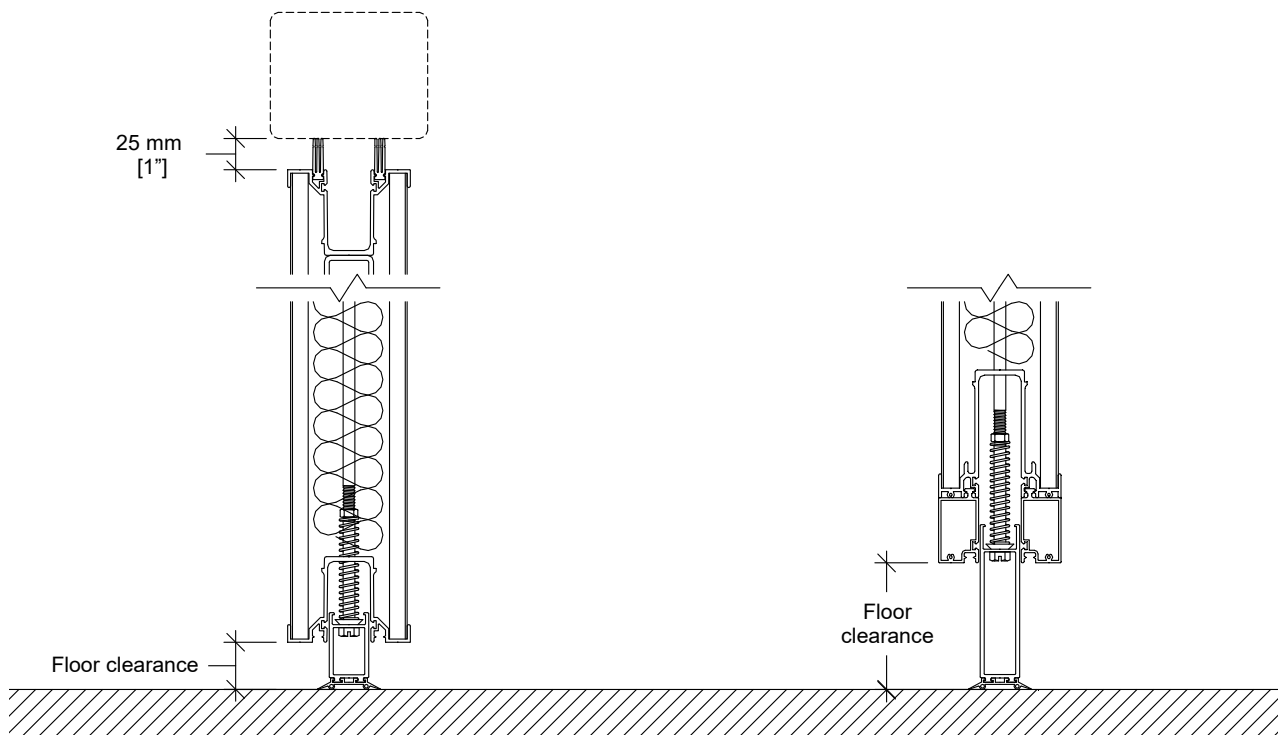
Horizontal Seals
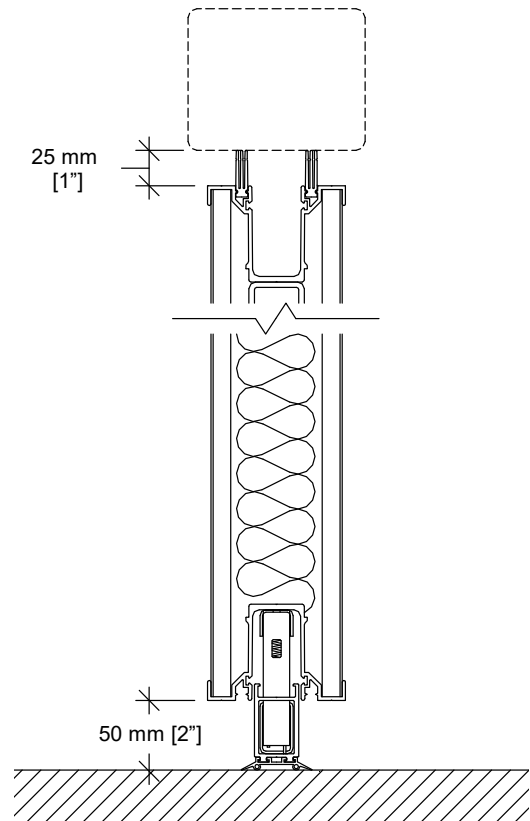
Type FA
Floor clearance : 50 mm [2"]
Operating tolerances :
+0 mm / -38 mm [+0" / -1 1/2"]

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"]
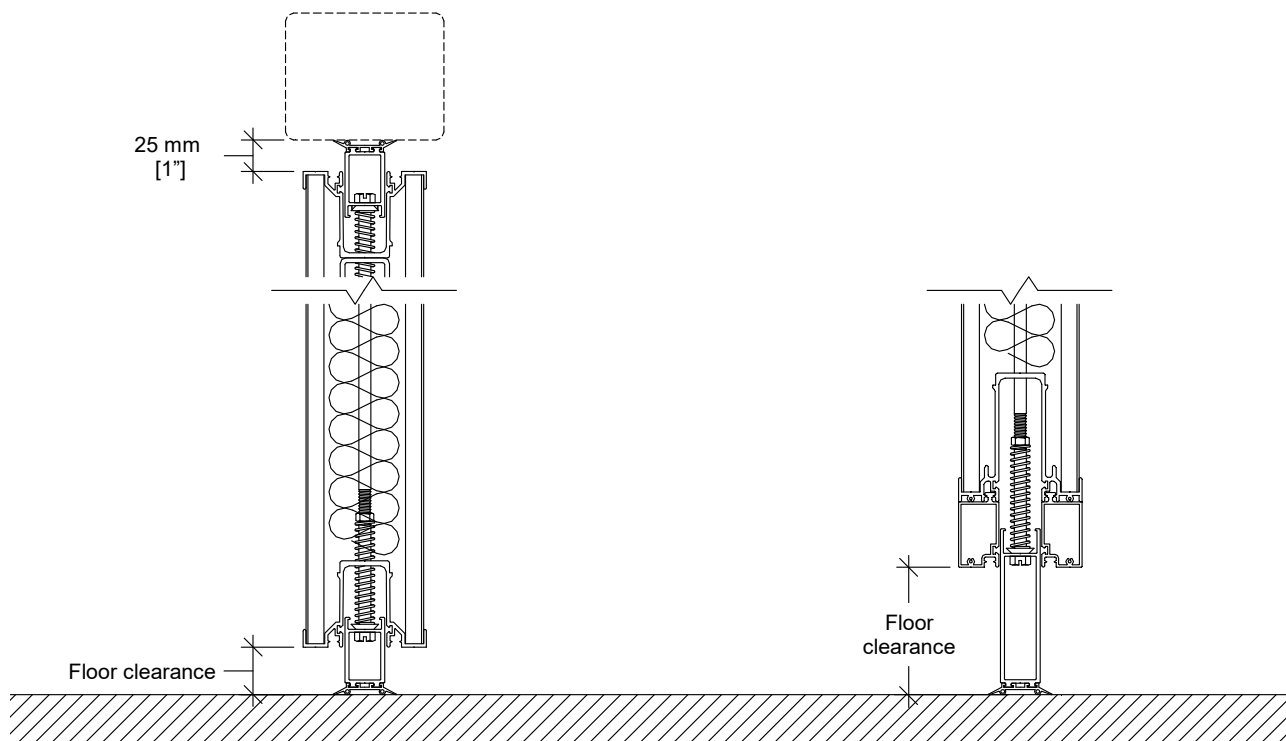Operating tolerances :
+0 mm / -25 mm [+0" / -1"]

Type FM-2.5
Floor clearance : 64 mm [2 1/2"]
Operating tolerances :
+0 mm / -50 mm [+0" / -2"]

Type FM-4
Floor clearance : 102 mm [4"]
Operating tolerances :
+0 mm / -89 mm [+0" / -3 1/2"]

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"]
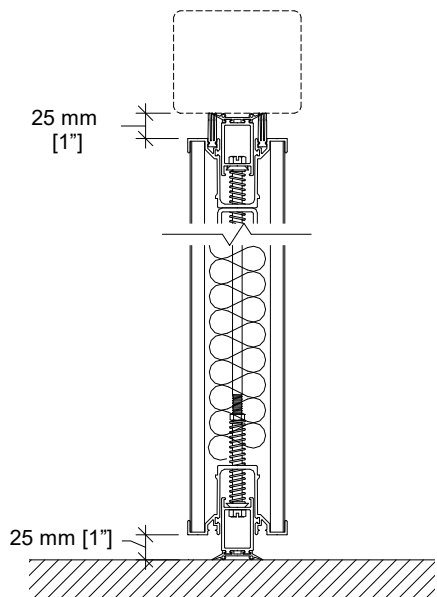Operating tolerances :
+0 mm / -25 mm [+0" / -1"]

Type MM-2.5
Floor clearance : 64 mm [2 1/2"]
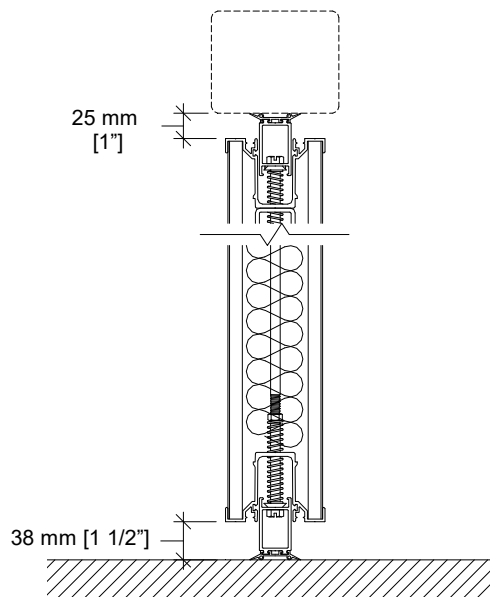Operating tolerances :
+0 mm / -50 mm [+0" / -2"]

Type MM-4
Floor clearance : 102 mm [4"]
Operating tolerances :
+0 mm / -89 mm [+0" / -3 1/2"]
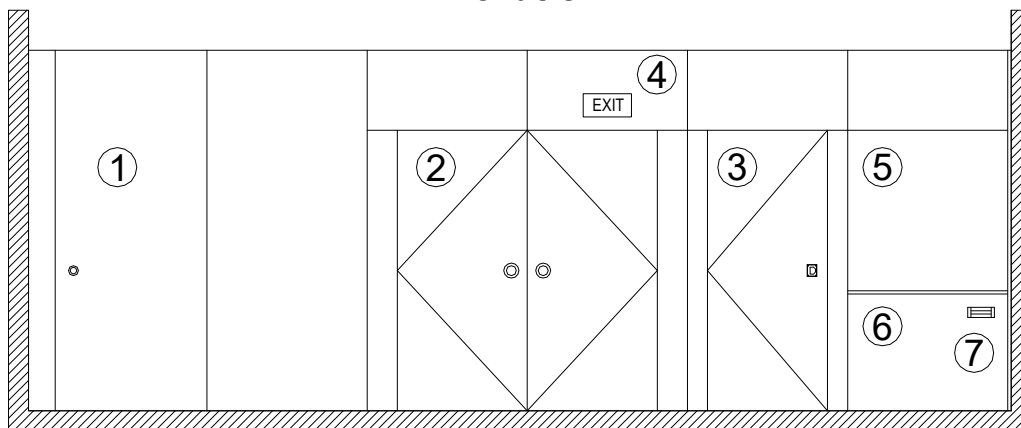
Horizontal Seals (cont'd)

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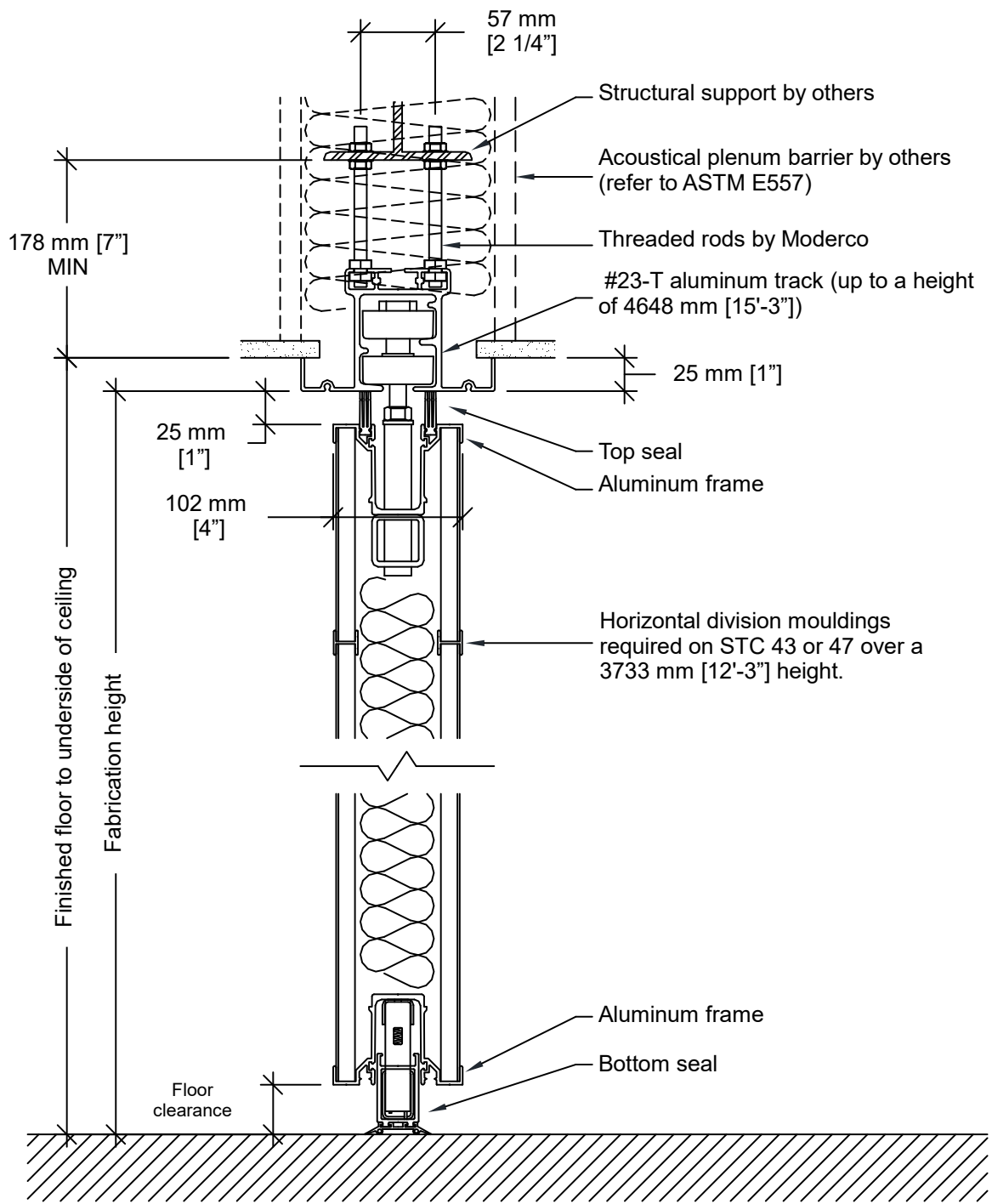Operating tolerances :
+0 mm / -15 mm [+0" / -5/8"]

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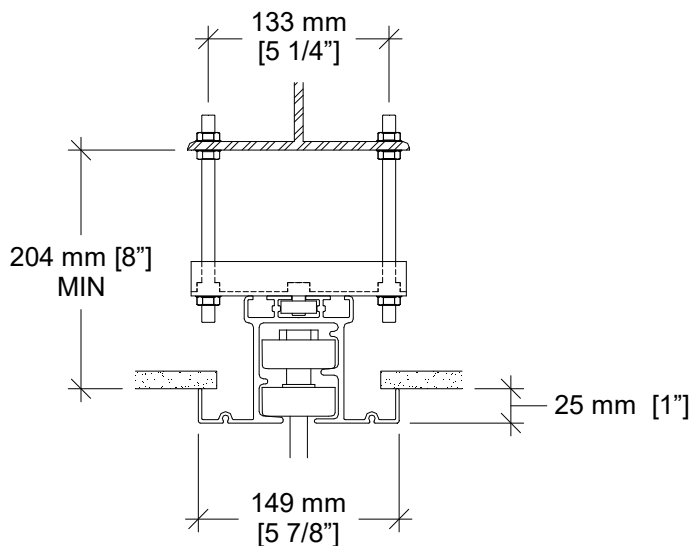Operating tolerances :
+0 mm / -19 mm [+0" / -3/4"]

Elevation

|	
1- Telescopic closure panel	5- Work surface
2- Double pass doors	6- Chalk tray
3- Single pass door	7- Eraser box
4- Self-illuminated exit sign	

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 (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

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"]
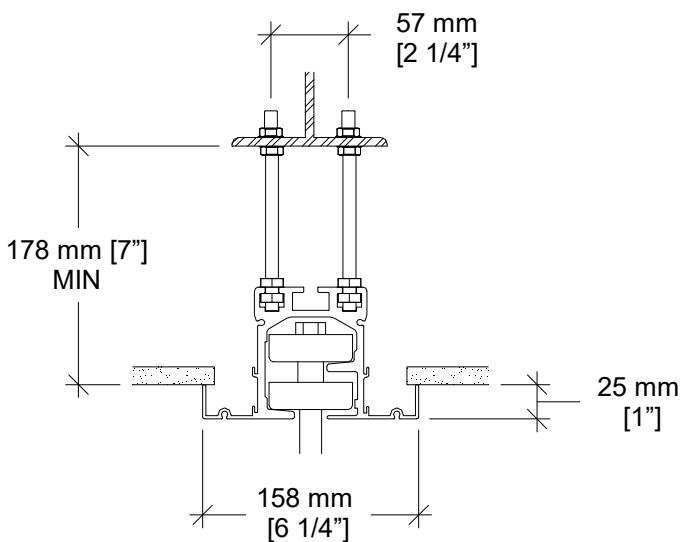
#33-T aluminum track
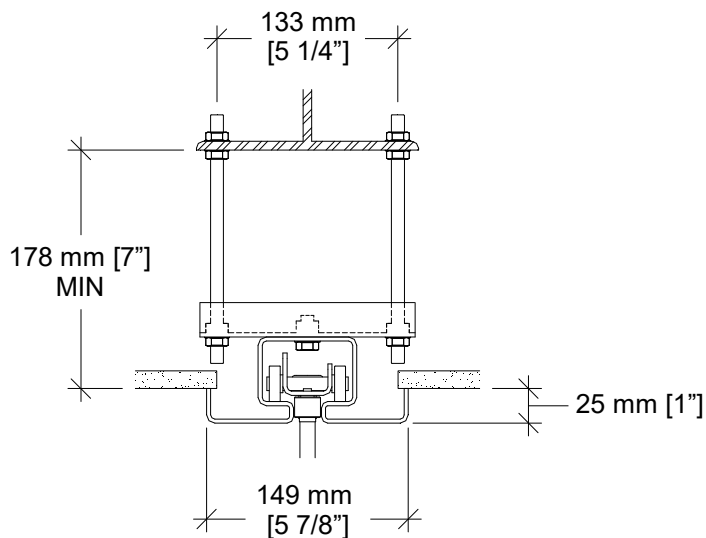
Standard for partitions from a height of 4648 mm [15'-3"] up to 6781 mm [22'-3"].

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"]
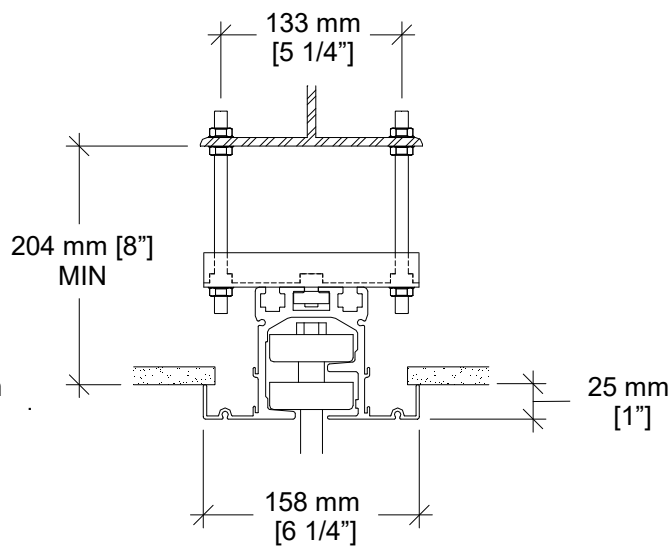
**#33-T aluminum track
with optional hanger bracket**

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"]
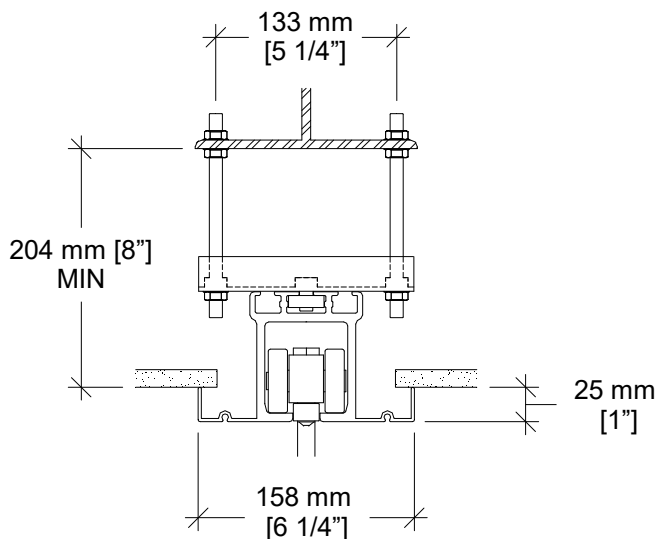MIN

25 mm
[1"]

158 mm
[6 1/4"]
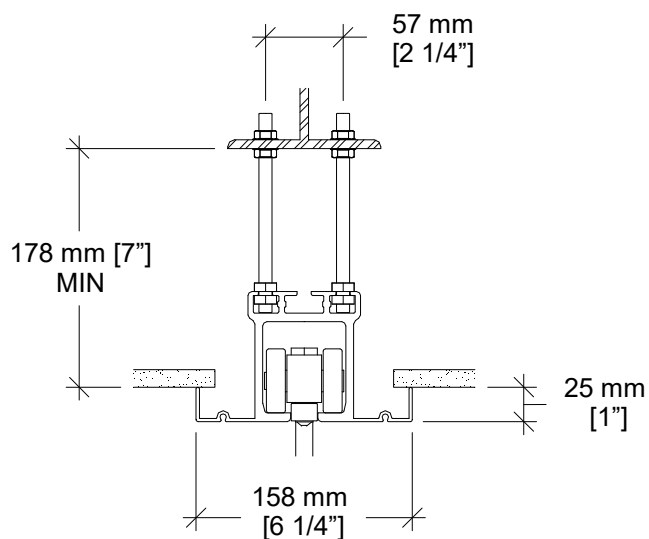
#55-T aluminum track

Standard for partitions from a height of 6781 mm [22'-3"] up to 9220 mm [30'-3"].

Optional for partitions up to 6781 mm [22'-3"].
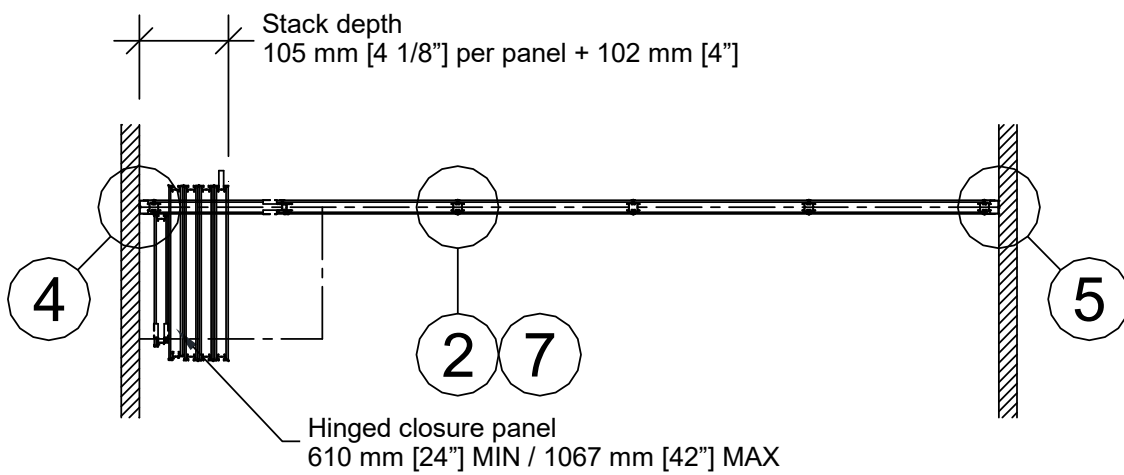
Programmable switches.

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**

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

Horizontal Sections

Solid blocking
by others

140 mm [5 1/2"]

38 mm [1 1/2"]

Solid blocking
by others

25 mm [1"]

125 mm [5"]

① Telescopic closure

② Panel joint

③ Bulb seal

Solid blocking
by others

102 mm ± 22 mm
[4" ± 7/8"]

102 mm ± 22 mm
[4" ± 7/8"]

Solid blocking
by others

④ Hinged closure panel with recessed pulls and
roller latch (optional)

⑤ Wall jamb
(optional)

⑥ End cap
(optional)

⑦ Panel joint with trimless
vertical edges (optional)

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

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"]
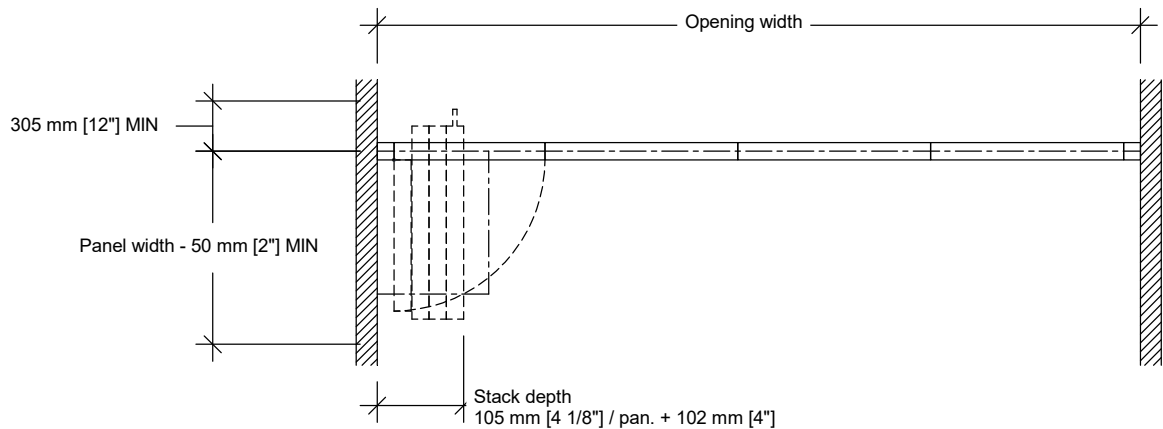
Wall to wall Side Stack – hinged closure

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

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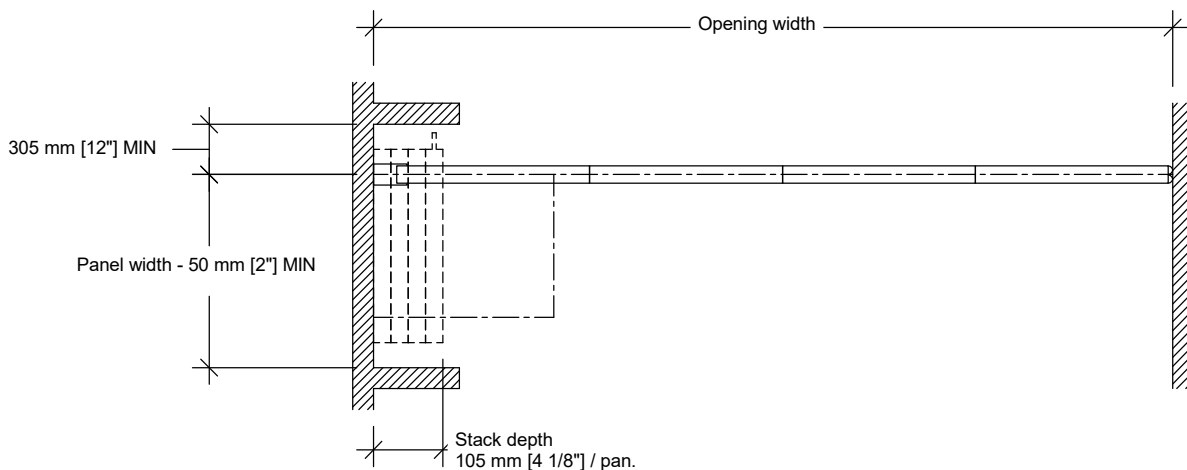
Pocket

Typical Layouts - #23-T & #33-T Tracks (cont'd)
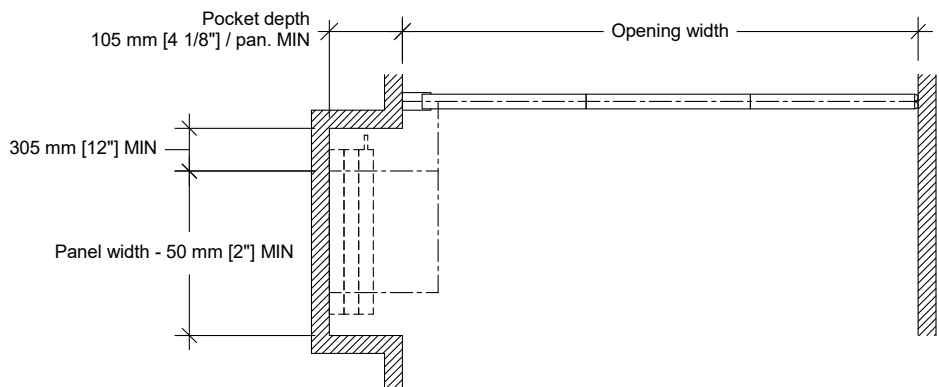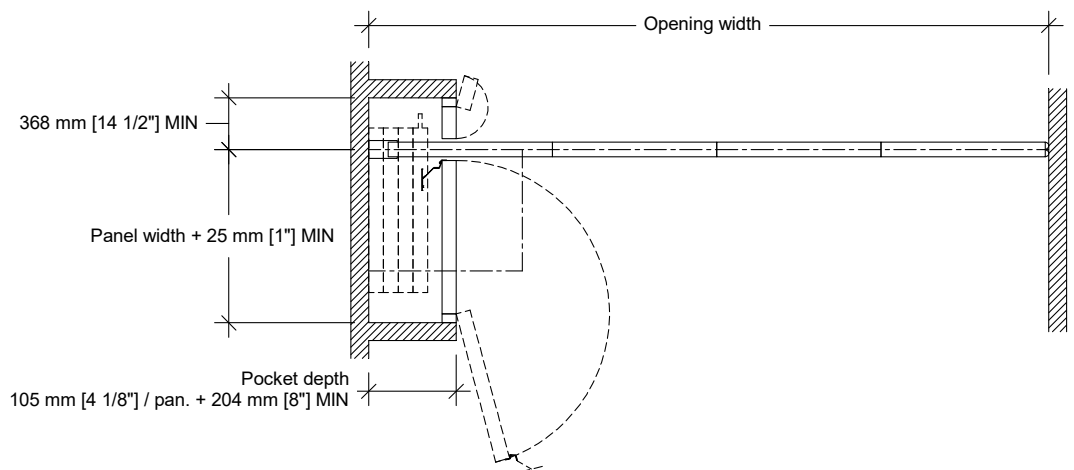
Pocket depth
105 mm [4 1/8"] / pan. MIN

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
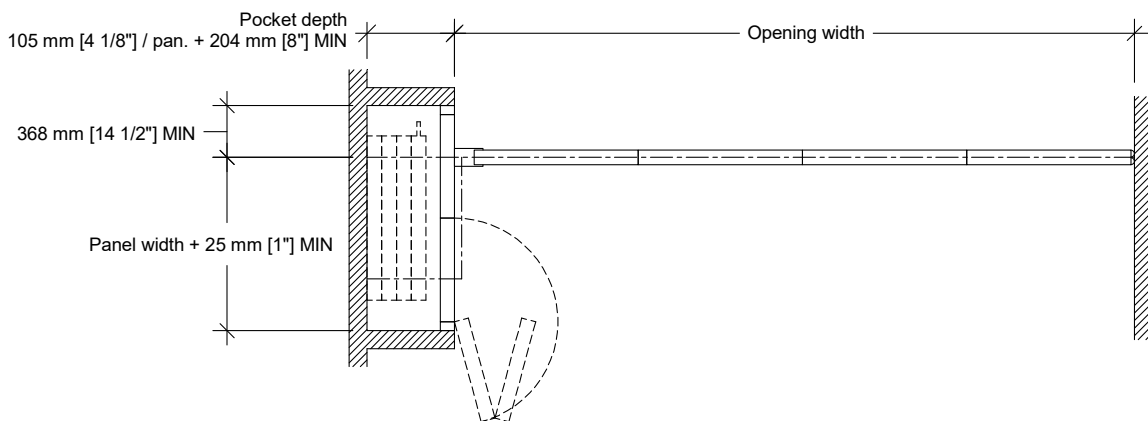
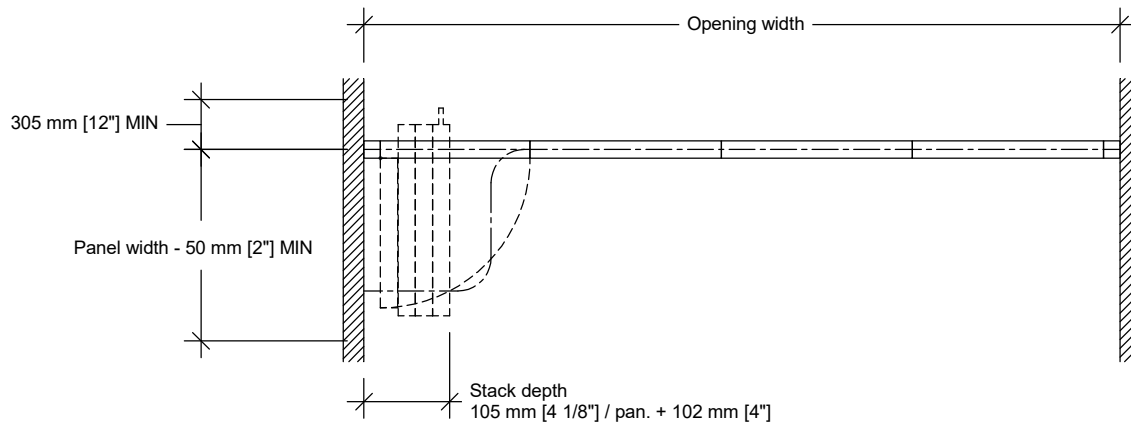**Pocket and PA-82B acoustical pocket door
(partition seals to face of pocket door)**

Typical Layouts - #72 & #55-T Tracks

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

Stack depth
105 mm [4 1/8"] / pan.
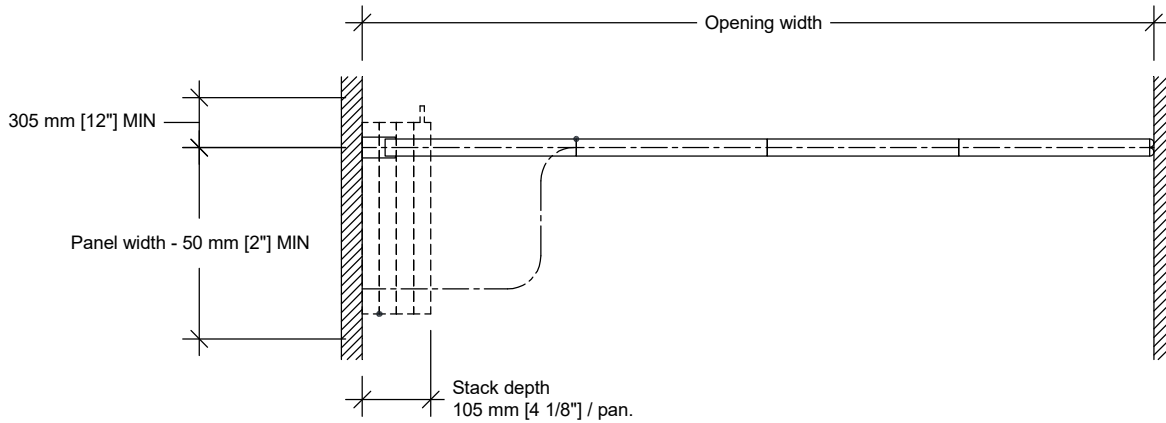
Side Stack – bi-folding telescopic closure

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

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

Side Stack – hinged closure (7 panels max)

Opening width

305 mm [12"] MIN

Panel width - 50 mm [2"] MIN

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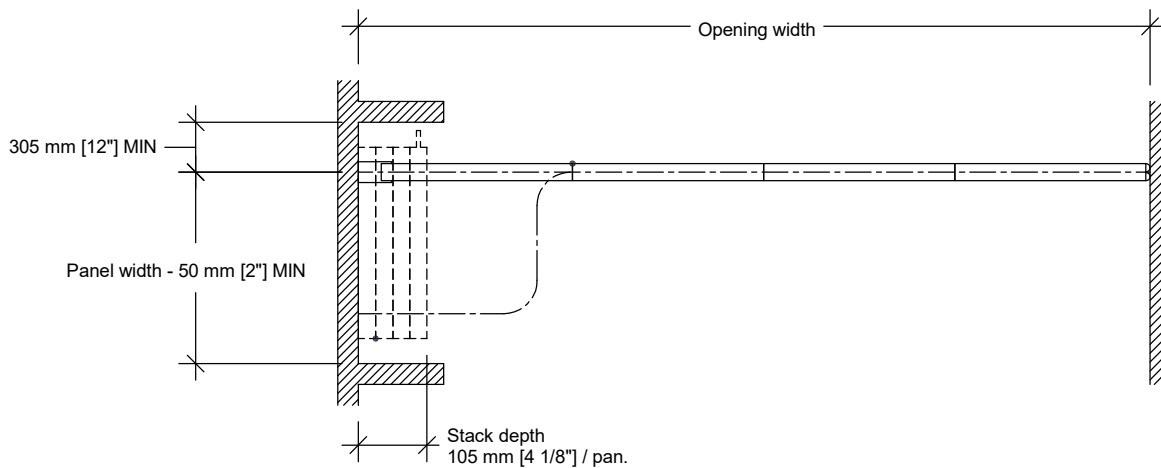
Pocket

Typical Layouts - #72 & #55-T Tracks (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)