

Doors • Sound Transmission Control (STC)

Sound Transmission Control (STC)

48 (DL Series)

Sound Transmission Control (STC) Doors shall be as manufactured or furnished by Republic Doors and Frames, McKenzie, Tennessee 38201.

Thickness: 1 ¾" (+/- 1/16") Nominal

Actual Door Size: Door undersized from nominal by ¼" in width. Undercut is contingent on threshold.

Hinge Rail & Reinforcement: Hinge edge is non-beveled and reinforced with a continuous 16 gauge steel channel, projection welded at a maximum 5" on center. Additional reinforcement plates at each hinge location. (Backset ¼")

Lock Rail: Lock edge is non-beveled and reinforced with a continuous 16 gauge steel channel, projection welded at a maximum 5" on center. 16 gauge reinforcements for mortised or cylindrical locks are of an integral type in accordance with ANSI A115 standards. (Beveled lock edge ⅛" in 2" optional)

Top Channel: Top Channel is a flush 16 gauge channel, projection welded at a maximum 2 ½" on center.

Bottom Channel: Bottom Channel is a flush 16 gauge channel, projection welded at a maximum 2 ½" on center.

Cores Available: Proprietary sound core only.

Face Skins: 16 gauge (Cold Rolled, Hot Rolled A60 Galvannealed or G90 Galvanized Steel)

Closer Reinforcement (Required): 14 gauge standard (18" x 6")

Size Availability: (Singles) Maximum 4'0" x 8'0"

SDI 100 Level/Model: Level 3 Model 2 (Extra Heavy Duty Performance Level A) (Standard)

Edge Seam Construction: Intermittently Welded seamless as standard. (Optional: continuous welded edge seam)

Universal Standard/Heavy Weight Hinge: Hinge clips are used allowing for an easy modification from standard to heavy weight hinge prep - 5" hinges standard. **ALL SOUND TRANSMISSION CONTROL (STC) 48 COME STANDARD WITH 5-10 & EQUAL HINGE LOCATIONS.**

Handing Design: Non-Handed standard (Handed optional)

Doors

• Sound Transmission Control (STC)

50 & 52 (DE Series)

Sound Transmission Control (STC) Doors shall be as manufactured or furnished by Republic Doors and Frames, McKenzie, Tennessee 38201.

Thickness: 1 13⁄16" (+/- 1⁄16") Nominal

Actual Door Size: Door undersized from nominal by 1⁄4" in width. Undercut is contingent on threshold.

Hinge Rail & Reinforcement: Hinge edge is non-beveled and reinforced with a continuous 10 gauge steel channel, projection welded at a maximum 5" on center.

Lock Rail: Lock edge is non-beveled and reinforced with a continuous 14 gauge steel channel, projection welded at a maximum 5" on center.

Top Channel: Top Channel is a flush 16 gauge channel, projection welded at a maximum 2 1⁄2" on center.

Bottom Channel: Bottom Channel is a flush 16 gauge channel, projection welded at a maximum 2 1⁄2" on center.

Cores Available: Proprietary sound core only.

Face Skins: 14 gauge (Cold Rolled, Hot Rolled A60 Galvannealed or G90 Galvanized Steel)

Closer Reinforcement (Required): 14 gauge standard. (18" x 6")

Size Availability: (Singles) Maximum 4'0" x 8'0" (Pairs) Maximum 8'0" x 8'0" (Maximum STC rating 47 x Pairs)

SDI 100 Level/Model: Level 4 Model 2 (Maximum Duty Performance Level A) (Standard)

Edge Seam Construction: Intermittently Welded seamless as standard. (Optional: continuous welded edge seam)

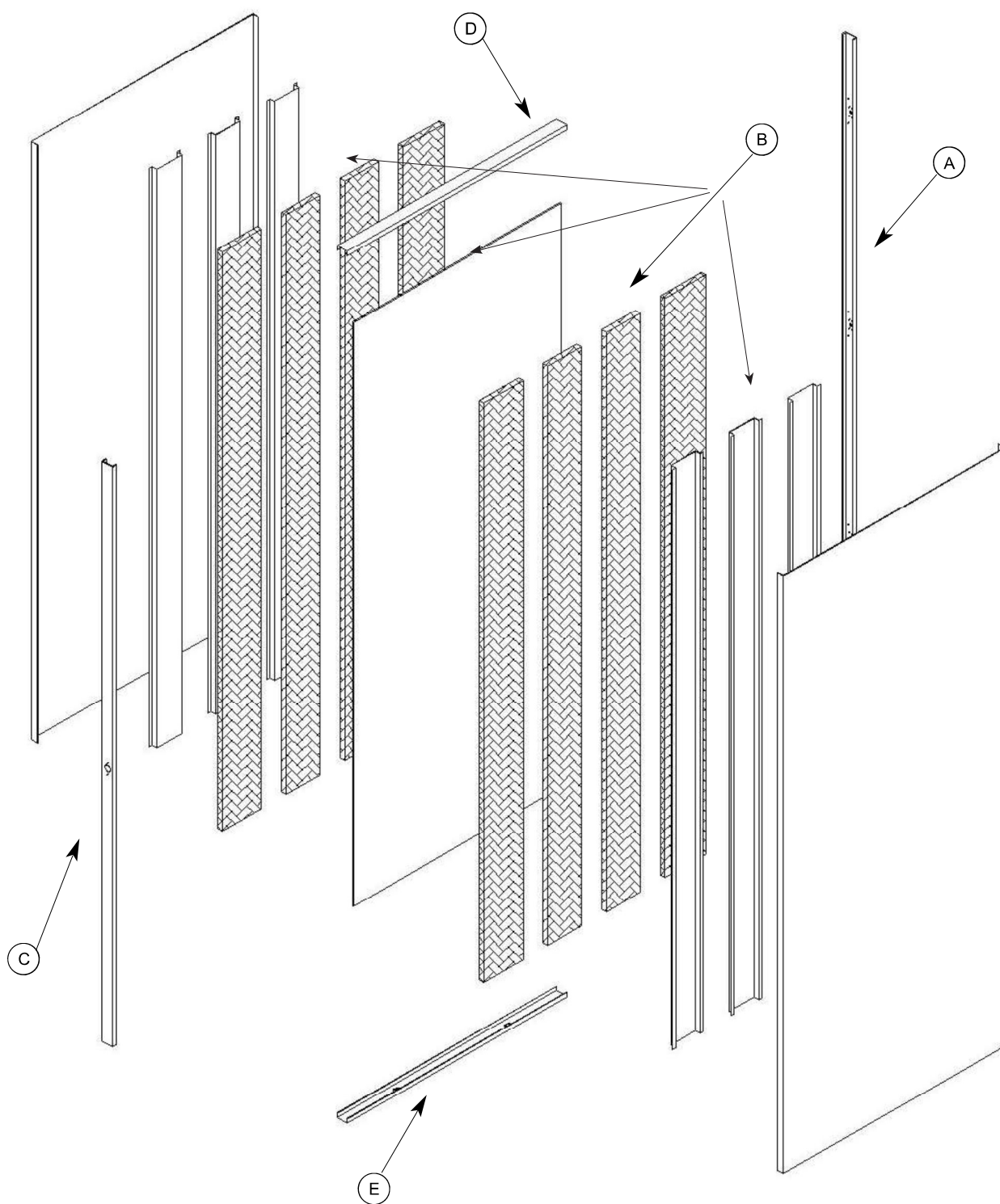
Universal Standard/Heavy Weight Hinge: Hinge fillers are used allowing for an easy modification from standard to heavy weight hinge prep - 5" hinges standard. **ALL SOUND TRANSMISSION CONTROL (STC) 50 & 52 COME STANDARD WITH 5-10 & EQUAL HINGE LOCATIONS.**

Handing Design: Non-Handed standard (Handed optional)

Doors • Sound Transmission Control (STC)

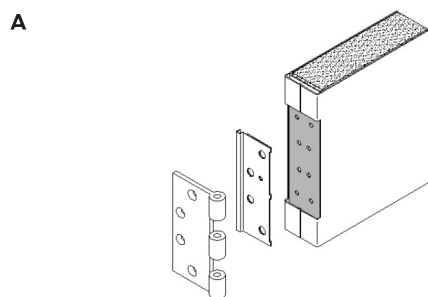
Construction level 48 thru 52

Note: See details on next page

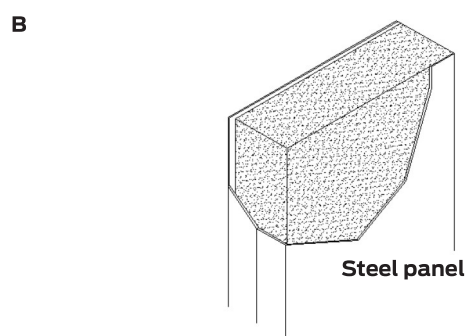


Doors • Sound Transmission Control (STC)

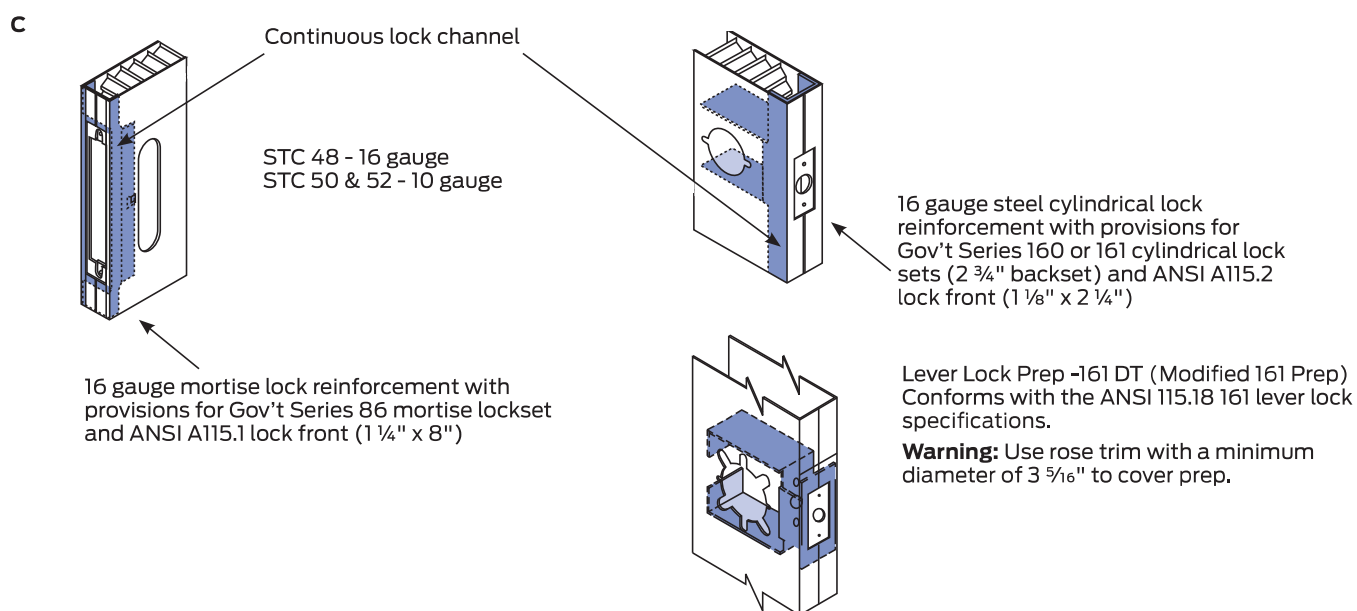
Construction details



5" full mortise camlift template hinges
 STC 48 - 16 gauge
 STC 50 & 52 - 10 gauge
 Continuous hinge channel

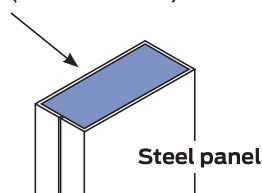


Proprietary Sound Core by Republic



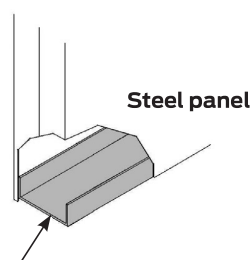
D Door top

Continuous 16 gauge steel
 channel (standard flush)



Closer reinforcement 14 gauge standard

E Door bottom



Flush bottom continuous 16 gauge steel channel

Doors - Sound Transmission Control (STC)

ECO 42, 43 and 47 (DL Series)

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Thickness: 1 ¾" Nominal

Actual Door Size: Door undersized from nominal by ¼" in width. Undercut is contingent on threshold.

Hinge Rail & Reinforcement: Hinge edge is non-beveled and reinforced with a continuous 16 gauge steel channel, projection welded at a maximum 5" on center. Hinge channels have an additional reinforcement at each hinge location. (Backset ¼")

Lock Rail: Lock edge is non-beveled and reinforced with a continuous 16 gauge steel channel, projection welded at a maximum 5" on center. 16 gauge reinforcements for mortised or cylindrical locks are of an integral type in accordance with ANSI A115 standards.

Top Channel: Top Channel is a flush 16 gauge channel, projection welded at a maximum 2 ½" on center.

Bottom Channel: Bottom Channel is flush 16 gauge channel, projection welded at a maximum 2 ½" on center.

Cores Available: Proprietary sound core only.

Face Skins: 16 gauge (Cold Rolled, Hot Rolled A60 Galvannealed or G90 Galvanized Steel)

Closer Reinforcement (Required): 14 gauge standard. (18" x 6")

Size Availability: (Singles) Maximum 4'0" x 8'0" (Pairs) 8'0" x 8'0" (Must have astragal)

SDI 100 Level/Model: Level 3 Model 1 or 2 (Extra Heavy Duty Performance Level A) (Standard)

Edge Seam Construction: Visible edge seam: standard. (Optional: intermittently welded or continuously welded edge seam)

Universal Standard/Heavy Weight Hinge: Hinge clips are used allowing for an easy modification from standard to heavy weight hinge prep - 4 ½" hinges standard.

Handing Design: Non-Handed standard (Handed optional)

Doors • Sound Transmission Control (STC)

ECO 40 6-panel embossed

Sound Transmission Control (STC) Doors shall be as manufactured or furnished by Republic Doors and Frames, McKenzie, Tennessee 38201.

Thickness: 1 ¾" Nominal

Actual Door Size: Door undersized from nominal by ¼" in width. Undercut is contingent on threshold.

Hinge Rail & Reinforcement: Hinge is non-beveled with a continuous 16 gauge steel channel projection welded at a maximum 5" on center. Additional reinforcement plates at each hinge location. (Backset ¼")

Lock Rail: Lock edge is non-beveled and reinforced with a continuous 16 gauge steel channel, projection welded at a maximum 5" on center. 16 gauge reinforcements for mortised or cylindrical locks are of an integral type in accordance with ANSI A115 standards.

Top Channel: Top Channel is a flush 16 gauge channel, projection welded at a maximum 2 ½" on center.

Bottom Channel: Bottom Channel is a flush 16 gauge channel, projection welded at a maximum 2 ½" on center.

Cores Available: Proprietary sound core only.

Face Skins: 16 gauge x A40 Galvannealed

Closer Reinforcement (Optional): 14 gauge standard. (18" x 6")

Size Availability: (Singles) Maximum 3'6" x 8'0"

SDI 100 Level/Model: Level 3 Model 1 or 2 (Extra Heavy Duty Performance Level A) (Standard)

Edge Seam Construction: Visible edge seam - standard. (Optional: intermittently welded or continuously welded edge seam)

Universal Standard/Heavy Weight Hinge: Hinge clips are used allowing for an easy modification from standard to heavy weight hinge prep - 4 ½" hinges standard.

Handing Design: Non-Handed standard (Handed optional)