1-3/4” Whisper Core System+

Communicating STC56 thru STC66 (Flush Singles)

TESTED AND IN COMPLIANCE WITH ASTM E90, ASTM E413, ASTM E1332, & ASTM E2235.
DOOR SYSTEMS ARE IN COMPLIANCE WITH HMAA 865 & SDI-128 SPECIFICATIONS.
COMPLETE WITH PERIMETER SOUND SEALS, BOTTOM SEALS, THRESHOLD AND CAM LIFT HINGES AS REQUIRED FOR RATING.

The Required Core Will Be Provided To Achieve The Rating Needed. Appropriate Accoustical Seal Sets Are Provided With Each STC Rated Assembly.

Suggested Uses:
Conference Rooms, Communicating Hotel Rooms, Meeting Rooms, Recording Studios, Manufacturing Test Cells, and Hearing Impaired Test Facilities.

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<th>PART #</th>
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1-3/4" Whisper Core System+
Communicating STC 56 thru STC 66

Optional Surface Mounted Closer Reinforcement

TYPICAL PROFILE

NOTE:
Doors can hinge on same jamb or hinge on opposite jambs.

COMMUNICATING FRAME

COMMUNICATING WALL APPLICATION SHOWN BELOW

Part # 12
1/4-20 Bolts @ 6" on center
Provides 3/8" Adjustment
Part # 6, L-Frame™ Adjustable Door Bottom

7/8" Undercut

Pemko 1547 threshold used for each door

PULL SIDE OF DOOR
Part # 8
1/2" Flat Unfluted Threshold
Set In Mastic or Dry Pack
Grout To Floor By Installer

Thresholds must be level and filled to compensate for uneven floors and prevent sound leaks.
Thresholds should protrude 1 1/2" past each face of frame, at pull side of door, to allow the EPDM rubber seal section of the door bottom to seat properly during normal operation with the Gravity Glide hinges.
Please specify threshold finish. Available with mill aluminum or dark bronze finish.

STC wall construction varies with STC rating required.
*Installation in stud walls will require grouting prior to installation.

Caulk between frame & wall

*Grout

It is important that acoustic door systems be properly installed and sealed into the wall to prevent "flanking noise". Acoustical systems are furnished with detailed installation instructions.

Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm

6/15/15
1-3/4" Whisper Core System+
Comminicating STC 56 thru STC 66

MASONRY YOKE & STRAP ANCHOR

EXISTING OPENING ANCHOR
Snap-in type
3/8" Dimpled Hole
Anchor Bolts by Others

METAL STUD ANCHOR

HINGE SHIM

WOOD STUD ANCHOR

FLOOR ANCHOR

HINGE PREPARATION
Hinge Prep
Is Handed
7 Gage Reinforcement
ANSI A156.7

GRAVITY GLIDE CAM LIFT HINGE BY CECO

LOCK PREPARATIONS
CYLINDRICAL
ANSI A115.2
BACKSET: 3–3/4" (STD)

* 3–1/2" MAX. ROSE SIZE MAY BE USED.
LOCK EDGE IS BEVELED
1/8" in 2"

DOOR BOTTOM CONSTRUCTION
PART #6 ADJUSTABLE "L" FRAME™

EPDM NEOPRENE SEAL (BY CECO)
ATTACHED WITH INDUSTRIAL ADHESIVE

SURFACE APPLIED BOTTOM
SOUND SEAL BY CECO

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PRODUCT SPECIFICATIONS:

1-3/4” thick acoustical steel door system shall be as provided by Fleming Door Products, USA. Doors and frames shall conform to the Steel Door Institute guide specification, ANSI A250.8 as applicable.

The doors and communicating frames are commercial quality cold-rolled steel conforming to ASTM A1008 or optional zinc coated steel conforming to ASTM A653 & ASTM A924. Acoustic core and internal construction is manufacturer's proprietary standard as tested in accordance with ASTM E90, E413, E1332, & E2235 to furnish the STC rating specified. Door systems are in compliance with HMMA 865 & SDI-128 specifications. Flush mounted top caps are applied to doors. A physical door label is applied to certify the product and identify the specific rating. The label will be applied to the door only and there will not be a label applied to the frame. Frames are cased open profile of continuously welded construction and are available for any masonry or stud acoustic wall system applications. They are constructed of 14 gauge min. to provide the STC performance specified. The frames must also be fully grout filled to achieve the STC rating.

Hardware Provisions: Hinge preparations are handed. The hinge preparations are for gravity glide cam lift 5” hinges. The door lock edge has a standard bevel and is prepared for ANSI A115.2 cylindrical lock with a 3-3/4” backset. Lock jamb preparation is for 4-7/8” high strike (ANSI A115.1 or 2). Optional surface mounted closer reinforcements are available. Mag locks, Electric Power Transfer (EPT) and deadlocks are not available.

Paint: Doors and frames shall be provided with one coat of oven-cured neutral color prime paint. Primer coat shall conform with ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. Factory finish coat is not available for the doors or the 3 sided frame.

### Whisper Core+ System

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<th>Communicating Doors</th>
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<th>Lock Type</th>
<th>Undercut</th>
<th>Max. Fire Rating</th>
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<tr>
<td>Single</td>
<td>66</td>
<td>Cylindrical</td>
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OPTIONAL HARDWARE PREPARATIONS ARE: SURFACE MOUNTED CLOSER

PLEASE CONSULT FACTORY FOR AVAILABILITY OF OTHER NON-TESTED ASSEMBLIES.

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