1-3/4” Whisper Core Door Systems

DECORATIVE PANEL STC40 THRU STC47

TESTED AND IN COMPLIANCE WITH ASTM E90-09, ASTM E413-04, ASTM E1332, & ASTM E2235.
DOOR SYSTEMS ARE IN COMPLIANCE WITH HMMA 865-03 & SDI-128 SPECIFICATIONS.
COMPLETE WITH PERIMETER SOUND SEALS, BOTTOM SEALS AND THRESHOLD AS REQUIRED FOR RATING.

REVOLUTIONARY SOUND ABSORPTION CORE

THE REQUIRED CORE WILL BE PROVIDED TO ACHIEVE THE RATING NEEDED.

APPROPRIATE ACOUSTICAL SEAL SETS ARE PROVIDED WITH EACH STC RATED ASSEMBLY.

SUGGESTED USES:
CONFERENCE ROOMS, CLINICAL OFFICES, COURTROOMS, LEGAL OFFICES, BROADCAST STUDIOS, BOARDROOMS, LIBRARIES, MUSIC ROOMS, AND PERFORMING ARTS STUDIOS, HOTEL/MOTEL, AND MILITARY BARRACKS.

EMBOSSED PANEL DESIGNS

E201  E202  E203  E601
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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 instructions covering: handling, sealants, installation, and adjustments.
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MASTERY “T” ANCHOR

(WITH FLOOR ANCHOR)

EXISTING OPENING ANCHOR

EWA

ANCHOR FITS VARIOUS DEPTHS FRAMES (SEE BELOW)

SNAP IN TYPE

4-1/2” THRU 6-3/4” DEPTH

6-7/8” THRU 8-3/4” DEPTH

HINGE PREPARATION

HINGE PREP IS HANDED

7 GAUGE REINFORCEMENT

OPTIONAL: OFFSET PIVOTS OR CAMLIFT

4-1/2” OR 5” REGULAR OR HEAVY WEIGHT HINGES

ANSI A156.7

WIRE MASONRY ANCHOR

(WITH FLOOR ANCHOR)

EXISTING OPENING ANCHOR

P&S

ANCHOR FITS VARIOUS DEPTHS

DEPTHS OVER 8-3/4” REQUIRE TWO EWA/P&S ANCHORS PLACED ACROSS SOFFIT

LOCK PREPARATIONS

Cylindrical

ANSI A115.2

Backset

3-3/4” (STD)

2-3/4” (OPT)*

Mortise

ANSI A115.1

Cylindrical & Mortise Deadlock (Optional)

*(1/8” ROSE MAX. IF USING ZERO SEAL SET)

“HINGE EDGE IS BEVELED

1/8” IN 2”

LOCK PREPARATIONS (CONTINUED)

RIM EXIT DEVICE

ANSI A156.3

SURFACE VERTICAL ROD DEVICE

ANSI A156.3
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PRODUCT SPECIFICATIONS:

1-3/4" Thick acoustical steel door system will be as provided by FLEMING Door Products. Doors and frames shall conform to the Steel Door Institute guide specification, ANSI A250.8 as applicable. The standard door skin thickness is 18 gauge, with 16 gauge as an option.

The doors and frames are commercial quality galvanneal 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 E90-09, E413-04, E1332, & E2235 to furnish the STC rating specified. Door systems are in compliance with HMMA 865-03 & SDI-128 specifications. 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 frames.

Frames are single or double rabbet profile of continuously welded construction and are available for any masonry acoustic wall system applications. They are constructed of 16 gauge Min. or 14 gauge Max. to provide the STC performance specified. Silencers are not allowed in these frames. The frames must also be mortar filled to achieve the STC rating.

Hardware Provisions: Hinge preparations are handed. The square hinge edges are mortised for 4-1/2" or 5" high, standard or heavy weight hinges (specify which). The door lock edge has a standard bevel and is prepared for ANSI A115.1 cylindrical, ANSI A115.2 mortise locks, rim exit, or surface vertical rod exit device; lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2) or reinforced for ANSI A156.3 rim exit device strike.

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. Doors are available factory stained and sealed with the owners choice of FLEMING Door Products standard colors.

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<th>STC Rating</th>
<th>Lock Type</th>
<th>Under-cut</th>
<th>Max. Fire Rating</th>
<th>Seal Set Description</th>
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