DOOR DESIGN

F (ELEVATION)

STC 33-41 (Flush Singles)
TESTED AND IN COMPLIANCE WITH ASTM E90, ASTM E413, ASTM E1332, & ASTM E2235.
DOOR SYSTEMS ARE IN COMPLIANCE WITH HMMA 865 & SDI-128 SPECIFICATIONS.
COMPLETE WITH PERIMETER SOUND SEALS AND THRESHOLD AS REQUIRED FOR RATING.

Suggested Uses:
Conference Rooms, Clinical Offices, Courtrooms, Legal Offices, Broadcast Studios, Boardrooms, Libraries, Music Rooms, and Performing Arts Studios, Hotel/Motel, and Military Barracks.

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

STX 33-41 SHOWN PEMKO SEAL SET 1

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

REVOLUTIONARY SOUND ABSORPTION CORE

S44

REFER TO WWW.CECODOOR.COM FOR INSTALLATION INSTRUCTIONS.

2009APK or 2009DPK
SOME COMMON MASONARY APPLICATIONS SHOWN BELOW

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

(Converson: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)
TECH-DATA

Sound-Tech Xpress Door Systems

MASONRY "T" ANCHOR

(ANCHOR DESIGN MAY VARY DEPENDING ON DEPTH & PROFILE)

Snap-in type
(with floor anchor)

WIRE MASONRY ANCHOR

7 ga. galv. steel
Snap-in type

EXISTING OPENING ANCHOR EO

ANCHOR FITS VARIOUS DEPTH FRAMES (SEE BELOW)

SU PROFILE
EO/S6: 4-3/4" thru 6-3/4" depth
EO/S8: 6-7/8" thru 8-3/4" depth

SQ PROFILE
EO/S6: 5-1/8" thru 6-3/4" depth
EO/S8: 6-7/8" thru 8-3/4" depth

DOOR CONSTRUCTION TOP AND BOTTOM

LOCK PREPARATIONS

CYLINDRICAL
ANSI A115.2
BACKSET
2-3/4" (STD)*
3-3/4" (OPT)
CYLINDRICAL & MORTISE DEADLOCK (optional)

THRESHOLD

LOCK EDGE IS BEVELED
1/8" in 2"

HINGE PREPARATION

HINGE PREP IS HANDED

7 GAGE REINFORCEMENT

4-1/2" OR 5" REGULAR OR HEAVY WEIGHT HINGES
ANSI A156.7

LOCK PREPARATION

GOV. 86, ANSI/BHMA A115.1
MORTISE TYPE

(LMO)

NOTE: EITHER OF THE LOCK REINFORCEMENTS/GUARDS SHOWN MAY BE INSTALLED WITH ANY MORTISE LOCK PREPARATION.

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

Experience a safer and more open world

BACK TO TOP
TECH-DATA

Sound-Tech Xpress Door System

STANDARD SIZES

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
</table>
| 2'-0" | 6'-0"
| 2'-4" | 7'-0"
| 2'-6" | 7'-2"
| 2'-8" | 7'-10"
| 3'-0" | 8'-0"
| 3'-4" | 8'-6"
| 3'-6" | 8'-0"
| 3'-8" | 4'-0"

ACOUSTICAL FIRE DOORS

STC 41
CORE CONSTRUCTION

LABELING AGENCIES:
- UL
- Warnock Hersey

TEST: UL 10B, UL 10C, UL 1784, & NFPA 252
RATING:
- 20 MIN. THRU 3 HRS.
- (STX 33-41) FLUSH SINGLES 4'0" X 8'0" MAX.
- DESIGNS: FLUSH ONLY

ACOUSTICAL FIRE DOORS

PRODUCT SPECIFICATIONS:

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

The doors and frames are commercial quality cold-rolled steel conforming to ASTM A1008 or optional zinc coated A60 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. 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 stile profile of continuously welded construction and are available for any masonry and acoustic wall system applications. They are constructed of 16 gauge min. or 14 gauge max. to provide the STC performance specified. Mutes are not allowed in these frames. The frames must also be grout filled to achieve an STC rating of 40 and above.

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 lock jamb edge has a standard bevel and is prepared for ANSI A115.2 cylindrical, ANSI A115.1 mortise lock or rim exit device. Lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2) or ANSI 156.3 rim exit reinforcement. Electric Power Transfer (EPT), mag switch and cylindrical deadbolt’s are additional optional hardware.

Paint: Doors and frames shall be provided with one coat of oven-cured neutral color primer paint. Primer coat shall conform to ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. “Colorstyle” finish coat is also available for the door & 3 sided frame, from a selection of standard colors (optional). Colorstyle finish is electrostatically applied, oven-cured urethane enamel, and shall conform to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

Note: Industry standard construction tolerances for squareness of frame installation, plumbness of walls, flatness of floors, flanking, etc. may result in a difference of 3db – 5db sound loss in a field test versus lab test.

<table>
<thead>
<tr>
<th>STC Rating</th>
<th>Lock Type</th>
<th>Under-cut</th>
<th>Max. Fire Rating</th>
<th>Seal Set Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Doors</td>
<td>See Below</td>
<td>See Below</td>
<td>3/8&quot;</td>
<td>3 Hr.</td>
</tr>
</tbody>
</table>

OPTIONAL HARDWARE PREPARATIONS ARE: ELECTRIC POWER TRANSFER (EPT), MAG SWITCH AND DEADLOCK

STC 41 WITH CYLINDRICAL LOCK. OPTIONAL PREPS NOT ALLOWED.
STC 40 WITH CYLINDRICAL LOCK. ONE OPTIONAL PREP ALLOWED.
STC 39 WITH CYLINDRICAL LOCK. ANY COMBINATION OF TWO OPTIONAL PREPS ALLOWED.
STC 39 WITH CYLINDRICAL LOCK. ONE OPTIONAL PREP ALLOWED.
STC 39 WITH RIM EXIT. OPTIONAL PREPS NOT ALLOWED.
STC 33-38 WITH CYLINDRICAL LOCK. ANY COMBINATION OF (3) OPTIONAL PREPS ARE ALLOWED.
STC 38 WITH CYLINDRICAL LOCK. ANY COMBINATION OF TWO OPTIONAL PREPS ARE ALLOWED.
STC 38 WITH RIM EXIT. ONE OPTIONAL PREP ALLOWED.
STC 33-37 WITH CYLINDRICAL LOCK. ANY COMBINATION OF THREE OPTIONAL PREPS ALLOWED.
STC 37 WITH RIM PANIC. ANY COMBINATION OF TWO OPTIONAL PREPS ARE ALLOWED.
STC 33-36 WITH RIM EXIT. ANY COMBINATION OF THREE OPTIONAL PREPS ALLOWED.

OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

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