1-3/4" Sound-Tech Xpress
STC 32-48 (Fire Rated or Non-Fire Rated Single Doors with Glass)

TESTED AND IN COMPLIANCE WITH ASTM E90, ASTM E413, ASTM E1332, & ASTM E2235.
DOOR SYSTEMS ARE IN COMPLIANCE WITH HMMA 865 & SD1-128 SPECIFICATIONS.
COMPLETE WITH PERIMETER SOUND SEALS, BOTTOM SEALS AND THRESHOLD AS REQUIRED FOR RATING.

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

ACOUSTICAL STEEL GLASS KIT WITH KERALITE® LAMINATED ACOUSTICAL GLASS IS FACTORY INSTALLED IN FIRE RATED DOORS.

ACOUSTICAL STEEL GLASS KIT WITH 5/16" TEMPERED LAMINATED ACOUSTICAL GLASS IS FACTORY INSTALLED IN NON-FIRE RATED DOORS.

STX 32-48 SHOWN PEMKO SEAL SET 6

REFER TO WWW.CECODOOR.COM FOR INSTALLATION INSTRUCTIONS.

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

5/16" TEMPERED LAMINATED NON-FIRE RATED GLASS REDUCES STC RATING BY 1 POINT.

NOTE:
ONE GLASS LITE PER DOOR ALLOWED.
REFER TO WWW.CECODOOR.COM FOR INSTALLATION INSTRUCTIONS.

Experience a safer and more open world.
TECH-DATA

Sound-Tech Xpress Door System

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

SINGLE SWING

3/8" UNDERCUT

ACTUAL LEAF WIDTH

1/8"

DOOR OPENING WIDTH

20" THRU 40"-0"

HORIZONTAL SECTION

TYPICAL PROFILE

Optional Profile

2" 5/8"

5/8"

4-1/8" Thru 14"
(Single Rabbet)

5-3/4" Thru 14"
(Double Rabbet)

SOME COMMON MASONARY APPLICATIONS SHOWN BELOW

GLAZING TRIM

3/8" WIDE GLAZING POCKET

UL/WH LISTED

ACOUSTICAL STEEL GLASS KIT
with ACOUSTICAL LINING

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.

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

Sound-Tech Xpress Door Systems

MASTERY "T" ANCHOR

WIRE MASONRY ANCHOR

Snap-in type
(with floor anchor)

7 ga. galv. steel Snap-in type

(ANCHOR DESIGN MAY VARY DEPENDING ON DEPTH & PROFILE)

EXISTING OPENING ANCHOR EO

ANCHOR FITS VARIOUS DEPTHS FRAMES (SEE BELOW)

SU EO/S6: 4–3/4” thru 6–3/4” depth
PROFILE EO/S6: 6–7/8” thru 8–3/4” depth

SQ EO/S6: 5–1/8” thru 6–3/4” depth
PROFILE EO/S6: 6–7/8” thru 8–3/4” depth

EXISTING OPENING ANCHOR EO/P&S

LOCK PREPARATIONS

CYLINDRICAL
ANSI A15.2
BACKSET
2–3/4” (STD)
3–3/4” BACKSET (OPT)
3’0” WIDTH ONLY

2’8” WIDTH
2–3/8” BACKSET ONLY

VERIFY ROSE SIZE IS COMPATIBLE WITH SEAL SET AND LOCK BACKSET.

DOOR CONSTRUCTION TOP AND BOTTOM

THRESHOLD

LOCK EDGE IS BEVELED
1/8” in 2”

HINGE PREPARATION

HINGE PREP IS HANDED

4–1/2” OR 5”
REGULAR OR HEAVY
WEIGHT HINGES
ANSI A156.7

7 GAGE REINFORCEMENT

(Conversion: 1” = 25.4 mm, e.g., 1–3/4” = 44.45 mm)
**TECH-DATA**

**Sound-Tech Xpress Door System**

**STANDARD SIZES**

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>HEIGHT</th>
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<tr>
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**STC 48**

**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 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. KERALITE® LAMINATED glass is factory installed in fire rated doors. 5/16" tempered laminated glass is installed in non-fire rated doors. A physical STC 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 rabbit profile of continuously welded construction and are available for any acoustic 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. Frames must also be grout filled to achieve an STC40 and above rating.

**Hardware Provisions:** Hinge preparations are handled. 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 A115.2 cylindrical, ANSI A115.1 mortise lock or ANSI 156.3 rim exit device. See below for locking hardware availability. Lock jamb preparation is for 4-7/8" high strike (ANSI A115.1 or 2) or rim exit reinforcement. Electrical power transfer, mag switch and dead bolt hardware preparations are not allowed.

**Paint:** Doors and frames shall be provided with one coat of oven-cured neutral color prime 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.

### Sound-Tech Xpress Door Systems

<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>
</table>

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 100" OF ACOUSTICAL GLASS**

STC 32-46 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

STC 32-47 WITH CYLINDRICAL OR MORTISE LOCK AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

STC 32-48 WITH CYLINDRICAL ONLY AND MAY INCLUDE UP TO AND INCLUDING A 3 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 288" OF ACOUSTICAL GLASS**

STC 32-43 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

STC 32-44 WITH CYLINDRICAL OR MORTISE LOCK AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

STC 32-45 WITH CYLINDRICAL LOCK ONLY MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

**OPTIONAL LOCK PREPARATIONS WITH: UP TO AND INCLUDING 720" OF ACOUSTICAL GLASS**

STC 32-39 WITH CYLINDRICAL, MORTISE OR RIM PANIC AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

STC 32-40 WITH CYLINDRICAL OR MORTISE AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

STC 32-41 WITH CYLINDRICAL LOCK AND MAY INCLUDE UP TO AND INCLUDING A 1-1/2 HOUR FIRE RATING.

5/16" TEMPERED LAMINATED NON-FIRE RATED GLASS - REDUCE ALL ABOVE STC RATINGS BY 1 POINT.

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

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