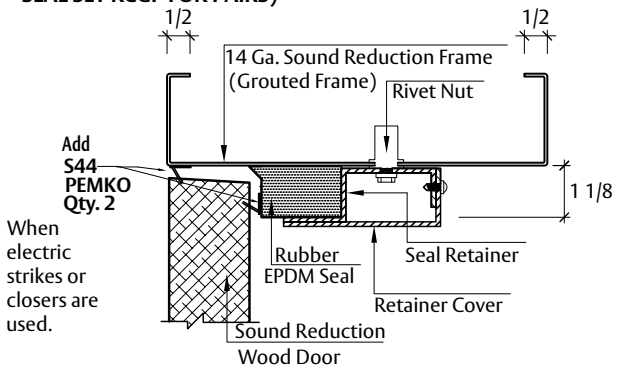
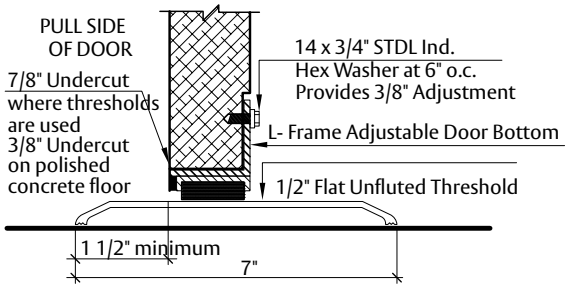
ASSA ABLOY Model AW50C - Acoustical Door System

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

MODEL AW50C UTILIZES "ADJ" PROFILE FRAME

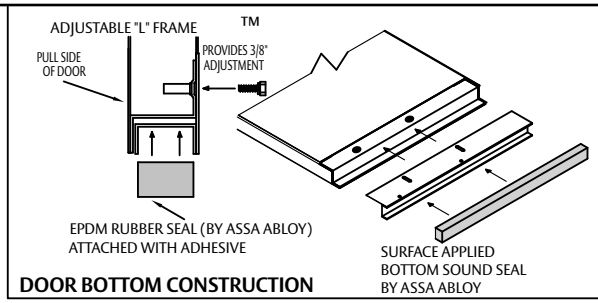
(SEAL SET RCG FOR SINGLES, SEAL SET RCGP FOR PAIRS) **(STANDARD FRAME NOT AVAILABLE)**





STC 50 (Flush Wood Singles)
1 3/4" Acoustical Door System
Tech. Data

Experience a safer
and more open world



DOOR BOTTOM CONSTRUCTION

SPECIFICATIONS

1) All exposed surfaces of door and frame to receive one coat of rust inhibitive prime paint complying with ASTM A250.10.

2) Where an aluminum threshold is included. Threshold must protrude 1 1/2" inches past the face of the frame on the pull side of the door to allow the EPDM rubber section of the door bottom to seat properly during normal operation of the Gravity-Glide cam-lift hinges.

3) Door bottom requires a flush level sealing surface. When a smooth polished concrete surface is not available, the threshold must be level and may require shimming to compensate for an uneven floor. This will prevent any sound leaks at this location. Threshold to be grouted solid.

4) Assembly is equipped with wood sound door, frame, seals, door bottom, threshold, Gravity Glide cam - lift hinges and crated for shipment.

5) Door Thickness is 1 3/4". Door weight is 13.7 pounds per square foot. Be aware that the frame must be securely tied to the framing from the sub floor to the structure above. Doubled wood studs or 16 Ga. steel studs are strongly recommended to support the weight of the assembly.

6) Custom veneers and finishes available.

7) Frames are to be formed of no less than 14 Gauge sheet steel with corners mitered, continuously welded and ground smooth. Frames must be grouted to maintain maximum STC rating.

8) Doors and frames are formed from commercial quality zinc coated steel conforming to ASTM A653 & ASTM A924. Acoustical core and internal construction are manufacturer's proprietary standards as tested in accordance with ASTM E90, E413, E1332, & E2235.

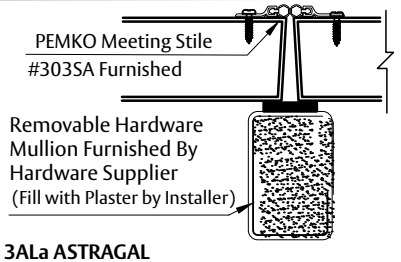
9) Please be aware industry standard construction tolerances for squareness of frame installation, plumbness of walls, flatness of floors, etc. may result in a difference of 3db-5db sound loss in a field test vs. lab results.

10) Doors are 5-ply

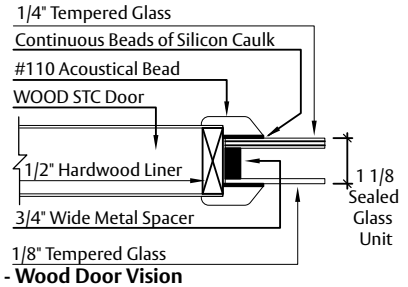
11) Max. size 4'0" x 8'0"

TESTED HDWE PREPS:

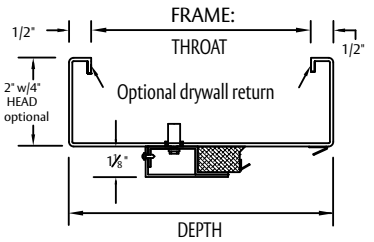
- HINGES:
  GRAVITY GLIDE CAM-LIFT HINGES PROVIDED WITH DOOR AND FRAME
- LOCK:
  CYLINDRICAL LOCK ANSI A115.2 3-3/4" BACKSET



3ALa ASTRAGAL

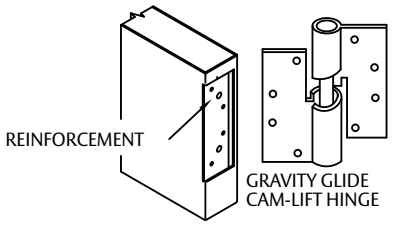


IG22 - Wood Door Vision

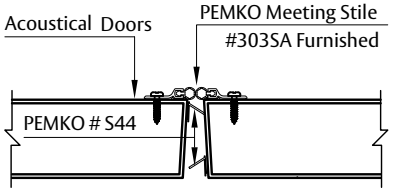


ADJ PROFILE

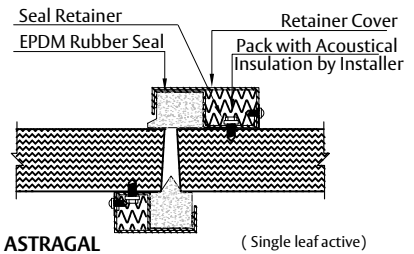
CORNERS: CONTINUOUSLY WELDED
AVAILABLE IN 12 & 14 GAUGE



HINGE PREPARATION
(HINGE PREP. IS HANDED)



2ALa ASTRAGAL (Both leaf active)



1ALa ASTRAGAL (Single leaf active)

FINISH:	STANDARD PRIMER PAINT; TESTED IN CONFORMANCE WITH ANSI A250.10
ACOUSTICAL PERFORMANCE	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, BOTTOM SEALS, GRAVITY GLIDE CAM-LIFT HINGES AND THRESHOLD AS REQUIRED FOR RATING.

03/25/26