

Whisper Core Door Systems

General

1.1 Description a) Work Included:

Provide Acoustical door systems where shown on drawings & as specified herein.

Certification: Provide certification or evaluation that the door construction and Seal Sets utilized have been tested at an independent laboratory in accordance with ASTM E90, and that the STC rating has been determined in accordance with ASTM E413, is not less than that specified on the Architect's drawings. Certification must reference laboratory name, test report number, and date of test; substitution of test data not in accordance with ASTM E90 and E413 will not be acceptable. Door systems must bear visible labels that reference testing to ASTM E90 and ASTM E413, in addition to applicable STC ratings.

2.1 Products

- a) STC assembly rated designs are based on those manufactured by FLEMING Door Products, 101 Ashbridge Circle, Woodbridge, Ontario Canada L4L 3R5.
- b) STC Door System to be Whisper Core Door Series or equal with sound retardant rating up to (55) when tested as an operable assembly in accordance with ASTM E90 and ASTM E413.
 - a) Whisper Core Door Systems shall be a 1-3/4" nominal thickness up to STC 54. 2-1/2" nominal for STC 55, 18 gauge minimum face sheets. Sizes as indicated on Architect's drawings. No visible seams shall be permitted on door faces. Face gauges, internal sound retardant core and perimeter door edge construction to be manufacturer's standard for the specified Whisper Core rating. No asbestos or lead shall be permitted in door construction to achieve STC performance.
 - b) Hardware Reinforcements: Factory mortise, reinforce, drill and tap doors and frames for all mortise hardware as required by hardware manufacturer's template. Provide necessary reinforcement plates as required for surface mounted hardware; all drilling and tapping to be done in field by installer.
 - c) Assemblies to be complete with metal frame, sound sealing system and threshold.
 - d) STC Frames shall be 16 gauge minimum fully welded (face & web) units shipped with temporary shipping bars. Knockdown frames are not acceptable. Frames are to be backfilled with mortar or other flank proof material prior to installation.
 - e) Provide dust cover boxes on all frame mortises.
 - f) Comprehensive installation instructions must be provided with system.
- c) Anchors Provide suitable anchors to properly install frames in partition types shown on Architects drawings.