

DHSI SEALING SYSTEMS

The “Gold Standard” for product design and field performance

THE INDUSTRY
★ INNOVATOR
★ ORIGINATOR

The three pillars of Product and Performance Standards

FIRST PILLAR

The Products and criteria for acceptance as a Gold Standard Product were presented on Pages 3 through 15.

That acceptance requires a manufacturer to present:

- Non-Proprietary criteria
- Product performance warranties
- Testing to allowable industry tolerances
- Field Performance warranties

All criteria are focused to achieve 2 objectives:

- + Eliminate owner cost for product replacement and cost for maintenance
- + Achieve occupant and Guest safety and comfort

PILLARS TWO and THREE Require a manufacturer to provide:

Architectural Details:

The only way to control the placement of the flooring transition, material thicknesses, and undercuts

Details shall show the relationship of the door bottom, flooring material and clearances used to achieve their STC rating as tested with a nationally recognized testing facility and shall be used in all submittals.

Examples: [Click here to open the web page https://dhsi-seal.com/architectural-details.htm](https://dhsi-seal.com/architectural-details.htm) to download the following:

- **AMDB4-GT** Hotel corridor Guest Entry or typical Office corridor Entry with an #AMDB concealed mortise “auto-adjust” door bottom, CNS #105 frame seals, a Flat granite threshold under the door meeting STC 32 operational rating.
- **CS-LP** Hotel corridor Guest Entry or typical Office corridor Entry with a Low Profile flooring transition that meets ADA transition requirements and meet an STC 32 operational rating.
- **CS-TTT** As above with a standard extruded flooring transition
- **AMDB4-NT** School classroom corridor entry using ASTM S12.60: the Nationally recognized test standard for a wood door with the Solid Wood Edge (“SWE”) #AMDB and a continuous LVT flooring surface, and the DHSI “Cush ‘N’ Seal” – CNS #105 frame seal

These are just several details from a DHSI library of over 600 Architectural Details.

Consult DHSI for the appropriate pdf and/or AutoCAD details for the project.

A field support Illustrated Program of Field Quality Assurance for Field Inspection

The only way to objectively identify causes of closing problems machining for hinge backset, depth of mortise, frame twist, etc.

Pillar Support: provides control of the installation sequencing prior to and after installation to identify and resolve conflicts

- A door pre-inspection and a Frame Seal pre-installation illustrated inspection guide for tolerances <https://dhsi-seal.com/inspectionchecklist.php>
- A door bottom and flooring transition pre-installation inspection guide for slope in a transition