

# DHSI

## DOOR AND HARDWARE SYSTEMS, INC.

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### **08710 SHORT SPEC with Typical Hardware Sets**

## **GASKETING OF DOORS AND FRAMES (02-02-09)**

#### 1.04 QUALITY ASSURANCE:

##### C. Manufacturer's Qualifications for sealing systems:

To ensure and validate the proper closing, latching, sealing and securing of a door the manufacturer of gasketing shall provide a written program of Field Quality Assurance and appropriate architectural details. The program shall be acceptable to the architect and provide the site superintendent and installers machining and installation documentation as well as forms indicating the industry acceptable standards for tolerances.

When a warranty is requested, the manufacturer will also include the "Installation Checklist", "Industry Guidelines" and Architectural Details, which will be job specific. It is suggested these be used for verification of acceptability of related door, frame and hardware components prior to installing gasketing.

An acceptable program can be found by DHSI here: <http://dhsi-seal.com/inspectionforms.htm>

Evidence shall be provided that the STC specified and/or required by local code, as well as any requirements for smoke gasketing can be maintained under industry allowable tolerances for warp (AWI) and plumb (SDI). Evidence shall be provided that the gasketing system can meet and maintain this criteria under the Field Quality Assurance Standards. If a substitute to the listed manufacturer for gasketing is desired, proof of compliance with the specification and with specific products shall be submitted prior to bid. See 3.03 A

Where a positive pressure label is required, it is the responsibility of the door manufacturer to provide a Category A label; or where a Category B label is furnished, the sealing system for either a Category G or H must meet the Performance Criteria contained in this specification.

#### PART 2 - PRODUCTS:

##### 2.01 MANUFACTURERS:

- A. List of manufacturers represented in this section:  
Door and Hardware Systems Inc. – [www.dhsi-seal.com](http://www.dhsi-seal.com)  
17 Silver Street  
Rochester, New York 14611  
TEL: 585-235-8543 or 800-836-8085  
FAX: 585-235-0431  
e-mail: [info@dhsi-seal.com](mailto:info@dhsi-seal.com)  
contact: Robert Rissone, President

##### 3.03 FIELD QUALITY CONTROL

###### A. Inspection:

1. Any light passing the frame perimeter shall be cause for rejection (NFPA 80 )
2. Door shall close from 70 degrees and latch freely without latch or hinge bind. (NFPA 101)
3. The closing speed for ADA shall not exceed 3 seconds to within 3 inches of the latch position. Lever torque shall not exceed ADA (NFPA 101 Life Safety) of 15 inch pounds.
4. Filing of strike plates to relieve lock bind is unacceptable (as per NFPA 80 = no field modifications of fire tested components is allowable).
5. If issues with door bind are encountered, it is suggested the "Industry Standards and Recommended Guidelines For Installation" be used to govern field inspection.  
<http://dhsi-seal.com/inspectionforms.htm>

6. Field inspection and acceptance of sealing product and any related hardware, will be based upon the criteria of "Nationally Referenced Standards (including NFPA 80 )."
7. If a problem with the sealing of doors and hardware occurs the contractor and/or distributor shall first contact DHSI. A DHSI consultant will attempt to determine the cause of the problem and determine to what extent it is a manufacturing error, such as door machining for hinge backset or depth of mortise, or an out of tolerance condition for plumb, or installation error. DHSI will recommend solutions.
8. To avoid self-adhesive failure, due to stretching during installation, self-adhesive frame seals shall be inelastic and shall not be subject to stretching. Failure of a smoke seal voids the Listing of the opening.

**3.06 SAMPLE HOTEL HARDWARE SCHEDULE:**

NOTE: Architectural Details are furnished with every quotation and should be forwarded by the estimating department to the detail department to be included in the submittal package.

NOTE: Where frame seals, door bottoms and/or transition strips are listed, it is intended that all openings requiring similar products be DHSI products.

NOTE: The products listed are a guideline for hotels. Request typical sets for hospitals and other commercial projects. Choices of door bottoms, colors and details selected from DHSI drawings will vary by job.

**Request DHSI electronic architectural details for other transition requirements such as carpet to tile.**

**Sample Finish shown, Consult DHSI for options**

**HW-1 TYPICAL GUEST ROOM ENTRY** **FINISH MFG**

3 EA.	HINGES			
1 EA.	CLOSER			
SPRING HINGES OR CLOSERS AS REQUIRED				
1 EA.	CARD LOCKSET	Section 08711		
1 EA.	PRIVACY GUARD	#SAL	626	DHSI
1 EA.	DOOR VIEWERS			
1 EA.	FLOOR STOP			
1 SET	FRAME SEAL GASKET	#105	DB	DHSI
1 EA.	THRESHOLD	#FT 2.75	DB	DHSI
1 SET	FRAME ALIGNMENT BRACKET	#FA/SB		DHS

architect to choose one of the following and verify need for "AMU" and color choice

1 EA.	DOOR BOTTOM	#AMDB3-2 X SWE X AMU		DHSI
1 EA.	DOOR BOTTOM	#CS-36 X AMU	DB	DHSI
1 EA.	DOOR BOTTOM	#SSDB3-2 X AMU	DURO	DHSI
1 EA.	DOOR BOTTOM	#SAS-36 X AMU	DURO	DHSI

NOTE: Provide 2 door viewers on H/C guest rooms.

SEE SUBMITTAL DETAIL SHEET FOR SWE AND AMU OPTIONS

AS AN EXAMPLE, WE HAVE INCLUDED THEM IN THIS TYPICAL SET

**HW-2 TYPICAL CONNECTING ROOM DOORS**

6 EA.	HINGES			
2 EA.	DEADLOCK			
2 EA.	CONNECTING ROOM LATCHSET			
2 EA.	WALL STOP			
2 EA.	PRIVACY GUARD	#SAL	626	DHSI
2 SET	FRAME SEAL GASKET	#105	OW	DHSI
1 EA.	THRESHOLD, ADJUSTABLE	#CTC-ADJ x frame depth	DB	DHSI
2 SET	DUST PLUGS	#DP .250		DHSI

architect to choose one of the following and color choice

2 EA.	DOOR BOTTOM	#AMDB3-3 X SWE		DHSI
2 EA.	DOOR BOTTOM	#CS-36	DB	DHSI
2 EA.	DOOR BOTTOM	#SSDB3-3	DURO	DHSI
2 EA.	DOOR BOTTOM	#SAS-36	DURO	DHSI

**HW-6 TYPICAL U/L STAIRWELL SINGLE**

3 EA.	HINGES			
1 EA.	FIRE EXIT HDWE.-RIM			
1 EA.	CLOSER			
1 EA.	FLOOR STOP			
1 SET	FRAME SEAL GASKET	#105	DB	DHS
1 EA.	THRESHOLD	#HS-CT 3.50	BLK	DHS
1 SET	DUST PLUGS	#DP .250		DHSI

architect to choose one of the following and color choice

1 EA.	DOOR BOTTOM	#AMDB3-3 X SWE		DHSI
1 EA.	DOOR BOTTOM	#CS-36	DB	DHSI
1 EA.	DOOR BOTTOM	#SSDB3-3	DURO	DHSI
1 EA.	DOOR BOTTOM	#SAS-36	DURO	DHSI

The Listing for a fire door now includes a smoke seal as necessary. It is no longer a "Recommendation" in Life Safety.

CONTACT DHSI FOR A FULL LIST OF TYPICAL OPENINGS AND DETAILS

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