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This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by the following method in Microsoft Word:

Display the FILE tab on the ribbon, click OPTIONS, then DISPLAY. Select of deselect HIDDEN TEXT.

This guide specification section has been prepared by Oshkosh Door Company for use in the preparation of a project specification section covering architectural laminated plastic doors, including non-fire-rated, fire-rated, acoustical, lead lined, and bullet-resistant types.

The following should be noted in using this specification:

Hypertext links to manufacturer websites are included after manufacturer names to assist in product selection and further research. Hypertext links are contained in blue, e.g.:

 [www.oshkoshdoor.com](http://www.oshkoshdoor.com)

Optional text requiring a selection by the user is enclosed within brackets and as red text, e.g.: Color: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and as red text, e.g.: "Section [\_\_ \_\_ \_\_ - \_\_\_\_\_\_\_\_]."

Optional paragraphs are separated by an "OR" statement included as red text, e.g.:

\*\*\*\* OR \*\*\*\*

For assistance in the use of products in this section, contact Oshkosh Door Company by calling 920-233-6161 or visit their website at [www.oshkoshdoor.com](http://www.oshkoshdoor.com).

This specification has been prepared based on SimpleSpecs™ specification templates. The SimpleSpecs™ Master Guide Specification system comprises a full architectural master specification that can be used to specify all project requirements. For additional information on SimpleSpecs™ products visit the ZeroDocs.com website at www.zerodocs.com.

**SECTION 08 15 13 – LAMINATED PLASTIC DOORS**

 GENERAL

 SUBMITTALS

 Action Submittals:

 Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.

 Product Data: Manufacturer’s descriptive data and product attributes for doors.

 Samples: [Selection samples.] [Verification samples.]

 Informational Submittals:

 Certificate of Compliance.

 QUALITY ASSURANCE

Retain the following to specify minimum installer experience.

 Installer Qualifications: Firm specializing in work of this Section with minimum [2] [\_\_] years’ experience.

Doors are available in many combinations of fire-rated, acoustical rated, and bullet-resistant. Refer to Oshkosh Door Company technical data for assistance in selecting and specifying door types.

Retain the following for fire-rated doors.

 Regulatory Requirements:

 Fire Doors: Tested to [ASTM E152] [UL 10C] for fire rating [of [20] [45] [60] [90] minutes.] [as scheduled.]

 Installed Fire Rated Door Assembly: NFPA 80.

Retain the following for acoustical doors.

 Acoustical Doors: Tested by independent testing laboratory in accordance with ASTM E90 and certified for STC Class of [of [31.] [36.] [37.] [39.] 40.] [41.] [42.] [43.] [44.] [45.] [46.] [47.] [48.]] [as scheduled.]

Retain the following for bullet-resistant doors.

 Bullet-Resistant Doors: Tested by independent testing laboratory in accordance with UL 752; Protection Level [1.] [2.] [3.] [As scheduled.]

Retain the following for lead lined doors.

 Lead Lined Doors: [[1/32] [1/16] [1/8] [1/4] [3/16] inch] lead thickness [as scheduled.]

 WARRANTIES

Warranties are available on interior doors. Warranties are not available on exterior doors.

 Manufacturer’s life of original installation warranty providing for replacement of any door exhibiting:

 Delamination.

 Warp or twist of ¼ inch or more in any 3-’6” x 7’-0” section of door.

 Telegraphing of any part of core assembly through face to cause surface variation of 1/100 inch or more in a 3 inch span.

 Defects which may impair or affect performance of door for its intended purpose.

 Replacement includes installation of door and hardware.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on products by:

* + - 1. Oshkosh Door Company. [www.oshkoshdoor.com](http://www.oshkoshdoor.com)

 Equivalent products by following manufacturers are acceptable:

 Masonite.

 Oregon Door.

 VT Industries.

Edit the following to indicate whether substitutions will be permitted for the products specified in this section.

 Substitutions: [Refer to Division 01.] [Not permitted.]

 MATERIALS

 Flush Wood Doors: WDMA I.S.1A.

 Core type:

Structural Composite Lumber core is used when required by the warranty, and is used for full-height doors and other special doors when required.

* + - * 1. Solid, non-fire rated [and 20 minute fire-rated]: [Particleboard, Grade LD-2 or better.] [Particleboard, Grade LD-2 or better, no added urea formaldehyde.] [Particleboard, Grade LD-2 or better, FSC Certified, no added urea formaldehyde.] [GPHD - Particleboard, Grade LD-2 or better, heavy duty, no added urea formaldehyde.] [SCL - Structural Composite Lumber.]
				2. Solid, [45] [60] [90] minute fire rated: Noncombustible.
				3. Specialty: [Radiation transfer protection.] [Bullet-resistant.] [Acoustical.] [Lead Lined.]

 Facings: High pressure plastic laminate, NEMA LD-3, Grade HGS:

* + - * 1. Manufacturer: [\_\_\_\_].
				2. Pattern/color: [\_\_\_\_].
				3. Finish: [\_\_\_\_].

 Vertical edges: [Plastic laminate to match faces.] [Solid color PVC compatible with laminate face.] [Stained wood compatible with laminate face.] [Painted wood compatible with laminate face.]

 ACCESSORIES

 Door Hardware: Specified in Section 08 71 00.

Retain the following if glass is not specified in this Section.

 Glass and Glazing Accessories: Specified in Section 08 80 00.

 Glazing Beads:

 Non-fire rated [and 20 minute rated] doors: [Solid wood, of species compatible with laminate face, [flush] [lipped] bead.] [Formed metal, with manufacturer’s standard beige powder coat.]

 [45] [60] [90] minute fire rated doors: Formed metal, with manufacturer’s standard beige powder coat.

Louvers are not permitted in 20 minute rated doors.

 Louvers:

 Non-fire rated doors: [Solid wood, of species compatible with laminate face, [straight slat] [inverted V] [\_\_\_\_] profile] [Formed metal, [\_\_\_\_] profile] [, sightproof].

 [45] [60] [90] minute fire rated doors: Steel, straight 45 degree profile, with fusible link.

* 1. FABRICATION

 Fabrication: To [WDMA I.S.1A.] [AWI Architectural Woodwork Standards.]

 Stiles and rails bonded to core and abrasive planed for uniform thickness prior to application of faces.

 Blocking:

* + - * 1. Surface-mounted closers: [Top rail blocking.] [Closers through-bolted; blocking not required.]
				2. Exit devices: Blocking at both stiles for attachment without need for through-bolting.

 Door thickness: [1-3/8] [1-3/4] [2] [2-1/4] inches.] [As scheduled.]

 Factory glazed lites:

* + - * 1. Material and profile as indicated, [installed at factory.] [field installed in accordance with Section [08 80 00.] [\_\_ \_\_ \_\_.]

Retain one or more of the following for depending on glass types and desired glazing installation.

* + - * 1. Non-fire-rated and 20 minute rated doors: Glass specified in Section [08 80 00.] [\_\_ \_\_ \_\_.]
				2. Non-fire-rated doors: [Clear tempered] [Clear laminated] [[\_\_\_\_] color laminated] glass, installed at factory.
				3. 20 minute fire-rated doors: Clear Pyroswiss glass installed at factory.
				4. 45 to 90 minute fire-rated doors: [Glass specified in Section [08 80 00.] [\_\_ \_\_ \_\_.]] [[3/16] [5/16] inch thick laminated ceramic glass installed at factory.]
				5. Acoustical rated doors: Glass type as approved for acoustic [and fire rated assembly], installed at factory.

 Louvers:

* + - * 1. Installed at factory.
				2. Non-fire-rated rated doors: Manufacturer’s standard [wood] [metal] louver, finished and installed at factory with flush wood bead, [straight] [inverted V] [\_\_\_\_] profile.
				3. 45 to 90 minute fire-rated doors: [Manufacturer’s standard] [\_\_\_\_] fusible link louver.

 Preparation for hardware:

* + - * 1. Factory machine doors to receive field-installed hardware.
				2. Factory pre-drill hinge pilot holes for doors with standard butt hinges.

 EXECUTION

 INSTALLATION

 Install doors in accordance with manufacturer’s instructions and approved Shop Drawings.

 Seal field cut surfaces.

 Install door hardware as specified in Section 08 71 00.

 END OF SECTION