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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 flush wood 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 14 16 - FLUSH WOOD 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 and finishing of door.

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.]

Wood veneer faces for transparent finish:

Refer to technical literature by the following organizations for assistance in selecting veneer cuts and veneer matching:

Decorative Hardwoods Association (formerly HPVA) – [www.decorativehardwoods.org](http://www.decorativehardwoods.org) .

Window and Door Manufacturers Association (WDMA) - [www.wdma.com](http://www.wdma.com)

“A” Grade is suitable for most architectural projects. “AA” Grade is typically used on monumental projects where appearance is extremely important.

* + - * 1. Veneer grade: [A.] [AA.]

Contact Oshkosh Door Company for availability of various wood species.

* + - * 1. Species: [African Mahogany.] [Cherry.] [Red Oak.] [White Oak.] [White Maple.] [Natural Birch.] [White Birch.] [Walnut.] [\_\_\_\_.]

Veneer cuts are typically as follows.

Plain sliced: Most common.

Rotary cut: Natural Birch and Red Oak.

Quarter sliced: Walnut, Mahogany, Oak, Cherry, White Maple, and White Birch.

Rift cut: Red and White Oak. Minimizes the effect of ray flecks on Oak species.

* + - * 1. Cut: [Plain sliced.] [Rotary cut.] [Quarter sliced.] [Rift cut.]

Veneer matching is typically as follows:

Book: Most common.

Slip: Rift cut and quarter sliced.

Random: Gives an unusual appearance.

End: Used on doors with transoms.

Veneer Matching: [Book.] [Slip.] [Random.]

Veneer assembly is typically as follows:

Running: Most common,most economical.

Balance: Equal sized,balanced assembly adds consistent appearance for door to door.

Center/balance: Same as balance, but also centered; used on monumental projects.

Veneer Face Assembly: [Running] [Slip] [Balance] [Center/balance] matched.

Doors within Same Opening: [Pair] [Set] matched.

Transoms: Continuous end matched.

Vertical Edges: Species to match face veneers.

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, flush bead,] [Solid wood, lipped bead,] of species to match face veneers.] [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.] [Veneer-wrapped metal [of species to match face veneers].]

Louvers are not permitted in 20 minute rated doors.

Louvers:

Non-fire rated doors: [Solid wood, of species to match face veneers,] [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.

Factory Finishing: Factory finish doors to WDMA I.S.1A:

Retain the following for transparent finish (clear or stained) doors.

Finish system: WDMA System TR8 / AWI System 9, UV Cured Acrylated Polyurethane.

Color: [None.] [To be selected from manufacturer’s full color range.] [Custom color to be selected.] [\_\_\_\_.]

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

Retain the following for opaque finish (painted) doors.

Finish: Primed for field painting.

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