**SECTION 08 33 13**

**WOOD OVERHEAD COILING DOORS**

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 one of the following methods:

Microsoft Word 2007: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, then select or deselect the HIDDEN TEXT option.

Microsoft Word (earlier versions): From the pull-down menus select TOOLS, then OPTIONS. Under the tab labeled VIEW, select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

This master specification section has been prepared by Woodfold Mfg, Inc. for use in the preparation of a project specification section covering wood overhead coiling doors.

Woodfold Mfg., Inc. also offers the following additional master specification sections on their other products:

 Section 08 1479 - Bookcase Doors

 Section 08 3513 - Wood Accordion Folding Doors

 Section 12 2313 - Interior Wood Shutters

This specification is a part of the SpexPlus™ system, which comprises a full architectural master specification that can be used to specify all project requirements.

The following should be noted in using this specification:

Hypertext links to specific websites are included after manufacturer names and names of organizations whose standards are referenced within the text, to assist in product selection and further research. Hypertext links are contained in parenthesis and shown in blue, e.g.:

 ([www.spexplus.net](http://www.spexplus.net))

Optional text requiring a selection by the user is enclosed within brackets, e.g.: "Section [09 0000.] [\_\_\_\_\_.]"

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

Optional paragraphs are separated by an "OR" statement, e.g.:

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

Sustainable requirements are included for projects requiring LEED certification, and are included as green text. For additional information on LEED, visit the U.S. Green Building Council website at [www.usgbc.org](http://www.usgbc.org).

For assistance on the use of the products in this section, contact Woodfold Mfg., Inc. by calling 503-357-7181, by email at woodfold@woodfold.com, or visit their website at [www.woodfold.com](http://www.woodfold.com).

For assistance with obtaining or using the SpexPlus™ Master Specification System contact SpexPlus by calling 1-888-877-SPEX (1-888-877-7739), by email at chaney@spexplus.net, or visit our website at [www.spexplus.net](http://www.spexplus.net).

1. **GENERAL**
	1. SUMMARY

Edit the following paragraphs to include only those items specified in this section.

* + 1. Section Includes:
			1. Wood overhead coiling doors.
			2. [Electrical operators.]

Coordinate the following paragraphs with other sections in the project manual.

* + 1. Related Sections:
			1. Division 01: Administrative, procedural, and temporary work requirements.
			2. Section 08 7100 - Door Hardware.
			3. Section 09 9100 - Painting.
			4. Section [\_\_ \_\_\_\_ - \_\_\_\_\_\_\_]: Connection to power supply and control wiring.

In the following paragraphs, retain only those reference standards that are used elsewhere in this section.

 ([www.fscus.org](http://www.fscus.org))

* 1. SYSTEM DESCRIPTION

Edit the following to suit project requirements; if more than one type door is required delete this paragraph and include in Door Schedule at end of Section.

* + 1. Design Requirements:
			1. Door mounting: [Inside mount, with coil and guide rails mounted between opening jambs.] [Between wall on face of lintel mount, with coil mounted on face of lintel, and guide rails mounted between walls.] [Between wall without lintel mount, with coil and guide rails mounted between walls.] [Outside mount, with coil mounted on face of wall, and guide rails mounted on face of wall at jambs.]
			2. Door operation: [Manual push-up.] [Manual crank operator, with crank socket on [left] [right] side of door as viewed from coil side.] [Electric motor operator on [left] [right] side of door as viewed from coil side.] [Indicated on Drawings.]
	1. SUBMITTALS

Limiting submittals to only those actually required helps to minimize liability arising from the review of submittals. Minimize submittals on smaller, less complex projects.

Include the following for submission of shop drawings, product data, and samples for the Architect's review.

* + 1. Submittals for Review:

Include the following for manually operated doors.

* + - 1. Shop Drawings: Indicate opening sizes, jamb, sill, and head conditions.

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

Include the following for crank operated doors.

* + - 1. Shop Drawings: Indicate opening sizes, jamb, sill, and head conditions, and crank locations.

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

Include the following for electrically operated doors.

* + - 1. Shop Drawings: Indicate opening sizes, jamb, sill, and head conditions, and motor, and power source locations.

Include the following for manually operated doors.

* + - 1. Product Data: Manufacturer’s descriptive literature for door units, and hardware.

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

Include the following for crank operated doors.

* + - 1. Product Data: Manufacturer’s descriptive literature for door units, hardware, and operators.

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

Include the following for electrically operated doors.

* + - 1. Product Data: Manufacturer’s descriptive literature for door units and hardware
			2. Samples:
				1. Color chips illustrating manufacturer’s full range of available colors and finishes.
				2. [After color selection submit] Minimum 8 inch long curtain slats showing [species and grain.] [species, grain, and finish.]

Include the following for submission of sustainable design submittals.

* + 1. Sustainable Design Submittals:
			1. Recycled Content.
			2. Low-Emitting Materials.

Include the following for submission of closeout submittals for the Owner's record purposes.

* + 1. Closeout Submittals:
			1. Operation and Maintenance Data.
	1. QUALITY ASSURANCE

The following paragraphs specify a minimum level of experience required of the parties performing the work of this section. Retain if required, and edit to suit project requirements.

* + 1. Manufacturer Qualifications: Primary products supplied by single manufacturer with minimum [5] [\_\_] years [documented] experienced in fabrication of coiling wood doors.
		2. Installer Qualifications: Minimum [2] [\_\_] years [documented] experience in work of this Section.
	1. DELIVERY, STORAGE AND HANDLING
		1. Do not deliver doors until proper protection can be provided, and until needed for installation.
		2. Store products in manufacturer’s unopened packaging until ready for installation.
	2. PROJECT CONDITIONS
		1. Maintain temperature and humidity within manufacturer’s recommended limits.
		2. Do not install products under environmental conditions outside manufacturer’s limits.
	3. WARRANTIES
		1. Provide manufacturer’s standard limited warranty against manufacturing defects.
1. **PRODUCTS**
	1. MANUFACTURERS
		1. Contract Documents are based on products by Woodfold Mfg., Inc. [(www.woodfold.com](http://www.woodfold.com))

Edit the following to indicate whether or not substitutions will be permitted for the products in this section.

* + 1. Substitutions: [Under provisions of Division 01.] [Not permitted.]
	1. COMPONENTS
		1. Curtain:
			1. Slats: Solid hardwood profiles with long edges rabbeted to interlock to form sight-proof curtain.
			2. Bottom rail: Solid wood profile matching grain and species of slat.

Edit the following to indicated desired species; other species are also available; contact Woodfold Mfg., Inc. for options. If multiple species are required, delete this paragraph and include in Door Schedule at end of Section.

* + - 1. Wood species: [Red Oak.] [White Oak.] [Maple.] [Birch.] [Mahogany.] [Cherry.] [Walnut.] [\_\_\_\_.]
			2. Interlocking hardware: Manufacturer’s standard, concealed within slat and bottom rail profile.
		1. Guides: Manufacturer’s standard guides for indicated counter door mounting and operation.

Include the following for crank operated doors.

* + 1. Operator: Geared lifting and lowering mechanism with manual crank operator.

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

Include the following two paragraphs for electrically operated doors.

* + 1. Operator: Tubular electric motor operator, 110VAC 60Hz.
		2. Operating Switch: Specified in Section [\_\_ \_\_\_\_].

Include the following for crank or motor operation and inside or mixed mounting.

* + 1. Guide Spacers: Manufacturer’s standard spacers to provide clearance for gear box.

Edit the following to indicate desired latching; delete for electrically-operated doors. If multiple latching types are required, delete this paragraph and include in Door Schedule at end of Section.

* + 1. Latching Hardware:
			1. [Manufacturer’s standard sidebolt surface mounted to curtain bottom rail at each end of curtain.] [Deadbolt with thumbturn, mortised into curtain bottom rail on coil side of counter door.] [Deadbolt with keylock, mortised into curtain bottom rail on coil side of counter door.]

Edit the following to suit project requirements; retain first option if door manufacturer will supply cylinders for locksets. Retain second option if cylinders for entire project are specified in Section 08 7100.

* + - 1. [Furnish two keys per lock.] [Cylinders specified in Section 08 7100.]

Retain one or both of following two paragraphs if coil will be exposed in finished work.

* + 1. Hood: Plywood with veneer on sight-exposed face matching species of curtain material, or solid wood of same species as curtain material; concealed fastener construction to facilitate hood removal for servicing counter door.
		2. Fascia: Plywood veneer on sight-exposed face matching species of curtain materials; concealed fastener attachment to facilitate fascia removal for servicing counter door.

Include the following for projects requiring LEED certification. Verify current recycled content with Woodfold Mfg., Inc.

* + 1. Sustainable Product Requirements:
			1. Sheet products fabricated using low-emitting, urea formaldehyde-free binders.
			2. Recycled content, plywood core: Minimum [\_\_] percent.
			3. Recycled content, steel: Minimum 25 percent.
	1. FINISHES
		1. Factory finish doors after fabrication.
		2. Sand sight-exposed wood surfaces to smooth finish.

Woodfold Mfg., Inc. specializes in the factory finishing of components, using only environmentally safe finishing materials; factory finishing eliminates problems associated with handling of unfinished hardwood surfaces, and with time delays associated with site finishing.

Edit the following to indicate desired finish. If specifying custom finish, consult with Woodfold Mfg., Inc. and manufacturer of finish material to ensure that finishing technique is correctly specified.

If multiple finishes are required, delete this paragraph and include in Door Schedule at end of Section.

* + 1. Finish: [Unfinished, for field-applied finish specified in Section 09 9100.] [Apply clear water-reducible acrylic lacquer to sight-exposed wood surfaces.] [\_\_\_\_.]
1. **EXECUTION**
	1. INSTALLATION
		1. Install door assembly in accordance with manufacturer's instructions.
		2. Anchor to adjacent construction without distortion or stress.
		3. Fit and align door assembly including hardware, level and plumb, to provide smooth operation.

Include the following for electrically operated doors.

* + 1. Make connections between power supply, operator, and controls as specified in Section [\_\_\_\_\_].
	1. ADJUSTING
		1. Adjust doors for smooth operation throughout full operating range.

Include the following for a schedule listing the products in this section. Coordinate with Part 1 - General and Part 2 - Products. The following may assist in developing a schedule

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END OF SECTION