Phantom Screens Developed by ZeroDocs.com

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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 or deselect HIDDEN TEXT.

This guide specification section has been prepared by Phantom Screens for use in the preparation of a project specification section covering Phantom Motorized Retractable Screens; vertically acting retractable insect, solar shading, climate control, and privacy screens for operable glass walls, window walls, and covered outdoor spaces (i.e. retractable enclosures) such as porches, patios, courtyards, and lanais.

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 shown in blue text, e.g.:

www.phantomscreens.com

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

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

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

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

For assistance in the use of products in this section, contact Phantom Screens by calling 1-888-444-4142 or visit their website at .

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 .

**SECTION 10 71 28 – EXTERIOR MOTORIZED RETRACTABLE SCREENS**

 GENERAL

 ADMINISTRATIVE REQUIREMENTS

 Pre-Installation Conference:

 Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] installer, and related trades.

 Review: Project conditions, manufacturer requirements, delivery and storage, staging and sequencing, and protection of completed work.

 SUBMITTALS

 Action Submittals:

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

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

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

 Closeout Submittals:

 Operation and Maintenance Data.

 QUALITY ASSURANCE

 Installer Qualifications:

 Minimum [2] [\_\_] years’ experience in work of this Section.

 Approved by screen manufacturer.

 Mockup: [One full size screen.] [\_\_\_\_.]

 WARRANTY

Contact Phantom Screens for specific warranty coverages.

 Manufacturer’s limited lifetime warranty for aluminum components, plastics, and coatings. Five year warranty on motors and electronics.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on products by Phantom Screens. [www.phantomscreens.com](http://www.phantomscreens.com)

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

 MANUFACTURED UNITS

 Exterior Retractable Large Opening Screens:

 Model: Phantom Motorized Retractable Screens.

 Type: Roll-up, [motor] [manually] operated.

Confirm minimum and maximum screen sizes with Phantom Screens.

 Components:

Retain the following for surface mounted screens. Retain the bracketed text if all housings need to be of same size for aesthetic purposes.

 Housing back, top, and cover: Surface mounted, extruded aluminum with cast aluminum end caps. [Fabricate housings and covers of same size.]

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

Retain Paragraph 2 below for recessed screens.

 Angle mounting bracket: Recessed, extruded aluminum.

 Roller assembly: Extruded aluminum, sized to screen conditions.

 Side track: Extruded aluminum, [surface mounted.] [recessed.]

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

Side cables with wall or floor mount anchors are typically used on exterior solar shades and in covered outdoor spaces where no post or wall surfaces are available to mount tracks.

 Cable guide: Side cables with wall or floor mounted anchors.

 Slide bar: Extruded aluminum.

Select 3 inch bottom seal for normal openings, or 4 or 6 inch where more compression is desired.

 Bottom seal: [3] [4] [6] inch, black or gray vinyl.

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

Select 0.75 or 1-1/2 inch bottom seal for openings where tighter tolerances are required.

 Bottom seal: [0.75] [1.5] inch black brush pile.

 Motor: Type and size as recommended by screen manufacturer based on screen size.

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

 Operator: 1:11 gear system with removable crank handle.

Refer to the Phantom Screens website for current screen mesh options and color offerings.

 Screen mesh:

* + - * 1. Type: [\_\_\_\_.] [To be selected from manufacturer’s full range of screen offerings.]
				2. Color: [\_\_\_\_.] [To be selected from manufacturer’s full color range.]

 Zipper: Sized to screen size; polyester webbing with acetal teeth, white, black, or gray color coordinated with screen mesh.

Retain the following items as required for motor operated screens. The following control types can be used individually or in many combinations. Multiple channel devices may be programmed for a wide variety of screen control combinations. Phantom retractable motorized screens can also be integrated with most home automation systems, smart phones, and tablets. Consult with a local distributor or manufacturer's representative to develop desired system.

 Programmable handheld remote controls: [Single] [Five] channel, [standard] [all weather] exposure.

 Programmable wall-mounted remote controls: Battery operated, recessed, [single] [five] channel control. [white] [ivory] [black] color.

 Environmental sensors: [Wind Sensor.] [Sun Sensor.] [Rain Sensor.] [\_\_\_\_.] [To be selected from manufacturer’s full line of environmental sensor options.]

 Wifi smart device control: MyLink Wifi to radio transmission interface.

 Programmable 16 channel universal RTS interface.

 Building automation integration: Coordinate with building automation system specified in Section [\_\_ \_\_ \_\_].

 Number of units: [\_\_\_\_.] [As indicated on Drawings.]

 Label: Provide label with serial number and date of manufacture on each screen unit.

 Finishes:

Contact Phantom Screens if coating systems other than AAMA 2603 are required.

 Aluminum components: Semigloss powder coat to AAMA 2603, [\_\_\_\_] [custom] color [to be selected from manufacturer’s full color range].

 EXECUTION

 INSTALLATION

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

 END OF SECTION