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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 Formulated Materials LLC for use in the preparation of a project specification section covering Elevation S60 sheet waterproofing for use on balconies, breezeways, decks, and similar construction.

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.formulatedmaterials.com](http://www.formulatedmaterials.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 Formulated Materials LLC by calling 844-405-3676 or visit their website at [www.formulatedmaterials.com](http://www.formulatedmaterials.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 S-Specs products visit the ZeroDocs.com website at www.zerodocs.com.

**SECTION 07 13 00 - SHEET WATERPROOFING**

 GENERAL

 SUBMITTALS

 Action Submittals:

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

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

 ADMINISTRATIVE REQUIREMENTS

Retain the following if a pre-installation is required.

 Pre-Installation Conference:

 Attendance: [Design Professional,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder,] installer, and related trades.

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

 QUALITY ASSURANCE

Retain the following to specify minimum installer experience.

 Installer Qualifications:

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

 Approved by waterproofing manufacturer.

Retain the following if a mockup is required.

 Mockup: Coordinate waterproofing system with railing mockup specified in Section [\_\_ \_\_ \_\_].

 WARRANTIES

 Manufacturer’s 5 year warranty against defective materials.

 Manufacturer’s 10 year warranty against water leakage through waterproofing system.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on products by Formulated Materials LLC. [www.formulatedmaterials.com](http://www.formulatedmaterials.com)

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

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

 MATERIALS

 Sheet Membrane Waterproofing System:

 Product: Elevation S60.

 Description: Preformed, self-adhering, consisting of polypropylene scrim on with polypropylene blend and self-sealing rubberized asphalt, with release paper facing.

 Thickness: 60 mils.

 Moisture vapor permeance: Maximum 0.013 perms, tested to ASTM E96/E96M.

 Tensile strength: Minimum 2430 PSI, tested to ASTM D412 Method C.

 Elongation: 600 percent, tested to ASTM D412 Method C.

 Puncture resistance: Minimum 235 pound force, tested to ASTM E154.

 Low temperature flexibility: Pass minus 20 degrees F, tested to ASTM D1970.

 Cracking cycling: No cracking, tested to ASTM C836.

 Lap adhesion: Minimum 9.0 pounds per inch of width, tested to ASTM D903.

 Hydrostatic head: Pass 231 feet, tested to ATM D5385.

 ACCESSORIES

Retain accessories needed for each specific project. Refer to Formulated Materials LLC technical data for assistance in selecting accessories.

 Primer: Elevation SP1 Primer.

 Embed Pan: Elevation Embed Pan; ABS construction.

 Embed Pan Sealant: Elevation Embed Pan Sealant; single component urethane/polyurea.

 Drain Mat: Elevation DM1 Balcony Drain Mat.

 Railing Embed Support: Elevation RSE; welded steel, factory primed.

 Balcony Embed: Elevation Balcony Embed; welded steel, factory primed.

 T-Bar: Elevation T-Bar; extruded aluminum.

 T-Bar Termination Pocket: Elevation TTP; welded aluminum.

 Pan Sealant: Elevation Pan Sealant.

 Joint Sealant: Elevation SM2 Advanced.

 Prefabricated Corners: Elevation Combo Corners; [galvanized.] [poly.]

 Spacer Shims: Elevation Spacer Shim; EPDM rubber.

 Flashings: Metal, specified in Section [\_\_ \_\_ \_\_].

 EXECUTION

 PREPARATION

* + 1. Perform moisture and substrate strength testing in accordance with waterproofing manufacturer’s instructions.

 INSTALLATION

 Install waterproofing system in accordance with manufacturer's instructions and approved Shop Drawings.

 FIELD QUALITY CONTROL

 Manufacturer will perform field inspection of waterproofing system according to system warranty requirements.

 After curing, [temporarily plug drains and flood surfaces with minimum [2] [\_\_] inches of water.] [Flood surfaces with water.]

 Inspect surfaces for leaks; repair any encountered.

END OF SECTION