SECTION 06 52 00

VINYL POSTS AND COLUMNS

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

*Copyright 2017 - 2020 ARCAT, Inc. - All rights reserved*

\*\* NOTE TO SPECIFIER \*\* Key-Link; Vinyl Post and column products.
.
This section is based on the products of Key-Link, which is located at:110 Peters Rd.New Holland, PA 17557Toll Free Tel: 888-704-7130Tel: 717-435-3196Fax: 717-355-7129Email: [request info (jsurovi@keylinkonline.com)](https://arcat.com/rfi?action=email&company=Key-Link&message=RE%253A%2520Spec%2520Question%2520(06520spp)%253A%2520&coid=48043&spec=06520spp&rep=&fax=717-355-7129)
Web: <https://keylinkonline.com>
 [ [Click Here](https://arcat.com/company/key-link-48043) ] for additional information.
With 30 years of design and vinyl manufacturing expertise, Superior Plastic Products offers a wide variety of products and styles designed to maximize your enjoyment, security, and privacy. Manufactured and finished in the heart of Lancaster County, Pennsylvania, Superior has tapped into the wealth of knowledge and experience of our local craftsmen to blend ageless classic designs with modern, low-maintenance materials and superior structural integrity.
This specification includes Vinyl Newel Posts, Vinyl Structural and Non-Structural Porch Posts, Vinyl structural Porch Columns, and Vinyl Column Wraps and Sleeves available in a number of classic styles and colors.
Superior Systems offers an array of options to surround you with a beautiful, lasting outdoor living space. Contact one of our Local Dealers today and create a retreat designed to reflect your distinctive style. Simply unwind, relax and enjoy your home.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Vinyl Newel Posts.
		2. Vinyl Porch Posts.
		3. Structural Vinyl Porch Columns.
		4. Vinyl Column Wraps and Sleeves.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. 03300 Cast-In-Place Concrete: Placement of sleeves cast in concrete.
		2. Section 05 50 00 - Metal Fabrications.
		3. Section 05 51 33 - Metal Ladders
		4. Section 05 52 13 - Pipe and Tube Railings
		5. Section 06 10 00 - Rough Carpentry
		6. Section 06 20 00 - Finish Carpentry
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM D 1784 - Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.
		3. Shop Drawings: Submit shop drawings for each product and accessory required. Include information not fully detailed in manufacturer's standard product data.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
		4. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic cleaning and maintenance of all components.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Minimum 3 years documented experience producing systems specified in this section.
		2. Installer Qualifications: Minimum 3 years documented experience installing systems specified in this section.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.
			4. Accepted mock-ups shall be comparison standard for remaining Work
		2. Pre-Installation Conference: Conduct pre-installation conference in accordance with Section 01 20 00 - Price and Payment Procedures. Date and time of the pre-installation conference shall be acceptable to the Owner and the Architect.
			1. Prior to commencing the installation, meet at the Project site to review the material selections, installation procedures, and coordination with other trades.
			2. Mock-ups shall be reviewed during the pre-installation conference.
			3. Pre-installation conference shall include the Contractor, the Installer, and any trade that requires coordination with the work.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Deliver materials to the Project site in manufacturer's original wrappings and containers, labeled with supplier's or manufacturer's name, material or product brand name, and lot number, if any.
		2. Store materials in their original, undamaged packages and containers, inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
	2. SEQUENCING
		1. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
		2. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
	3. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
	4. WARRANTY
		1. Lifetime Limited, Non-Prorated Warranty on Material and 5 Year Prorated Labor Warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Key-Link, which is located at:110 Peters Rd.New Holland, PA 17557Toll Free Tel: 888-704-7130Tel: 717-435-3196Fax: 717-355-7129Email: [request info (jsurovi@keylinkonline.com)](https://arcat.com/rfi?action=email&company=Key-Link&message=RE%253A%2520Spec%2520Question%2520(06520spp)%253A%2520&coid=48043&spec=06520spp&rep=&fax=717-355-7129);Web: <https://keylinkonline.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
	1. MATERIALS
		1. PVC: Poly Vinyl Chloride (PVC) formulated to resist impact and for Ultra Violet (UV) stabilization. Extruded products meets or exceeds ASTM D I784.

\*\* NOTE TO SPECIFIER \*\* Select the newel posts and/or post cladding required from the following paragraphs and delete those not required.

* 1. VINYL NEWEL POSTS
		1. Newel Posts:

\*\* NOTE TO SPECIFIER \*\* Select the size and design required from the following paragraphs and delete those not required.

* + - 1. Size/Design:
				1. 4 inch Plain Half Post
				2. 4 inch Plain
				3. 4 inch Madison
				4. 4 inch Heritage
				5. 5 inch Plain
				6. 5 inch Heritage
				7. 6 inch Plain
				8. 6 inch Recessed
				9. 6 inch Vintage
			2. Post Cladding:
				1. 8 inch Plain
				2. 8 inch Recessed Panel
		1. Post Caps and Trim

\*\* NOTE TO SPECIFIER \*\* Select the cap and trim required from the following paragraphs and delete those not required.

* + - 1. Ball Cap
			2. New England Ball Cap
			3. Queen Cap
			4. King Cap
			5. Flat Cap
			6. New England Cap
			7. New York Cap
			8. One Piece Post Trim
			9. Modular post Trim
			10. Classic Trim
	1. VINYL PORCH POSTS
		1. General:

\*\* NOTE TO SPECIFIER \*\* Select structural or non structural posts as required from the following paragraphs and delete the one not required.

* + - 1. Provide structural posts with full length aluminum structural inserts with mounting plates and hardware.
			2. Provide non-structural posts with mounting plates and hardware.

\*\* NOTE TO SPECIFIER \*\* Select the size, style and color required from the following paragraphs and delete those not required. Delete the load rating paragraph if non-structural posts are specified.

* + 1. 4 inch by 108 inch Post
			1. Styles
				1. Heritage
				2. Kinzer
				3. Madison
				4. Traditional
				5. Plain
			2. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 7,800 lbs maximum.
				2. Uplift: 1,750 lbs maximum.
			3. Color:
				1. White
				2. Almond
				3. Clay
				4. Black (plain only)
		2. 4-1/2 inch by 108 inch Post
			1. Styles
				1. Classic
			2. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 11,800 lbs maximum.
				2. Uplift: 1,750 lbs maximum.
			3. Color:
				1. White
				2. Almond
				3. Clay
		3. 5 inch by 108 inch Post
			1. Styles
				1. Heritage
				2. Kinzer
				3. Madison
				4. Lexus
				5. Traditional
				6. Plain
			2. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 10,500 lbs maximum.
				2. Uplift: 1,750 lbs maximum.
			3. Color:
				1. White
				2. Almond
				3. Clay
		4. 6 inch by 108 inch Post
			1. Styles
				1. Plain
				2. Manchester
				3. Recessed Panel
				4. Vintage
			2. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,750 lbs maximum.
			3. Color:
				1. White
				2. Almond (Plain Only)
				3. Clay
		5. 6 inch by 120 inch Post
			1. Styles
				1. Plain
			2. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,750 lbs maximum.
			3. Color:
				1. White
				2. Almond
				3. Clay

\*\* NOTE TO SPECIFIER \*\* Select the trim and mounting plates required from the following paragraphs and delete those not required.

* + 1. Trim
			1. Cap
			2. Base
		2. Mounting Plates: Plates included with all posts, with Tapcon screws included for concrete installations
			1. Head
			2. Base

\*\* NOTE TO SPECIFIER \*\* Select the structural vinyl columns required from the following paragraphs and delete those not required.

* 1. STRUCTURAL VINYL PORCH COLUMNS
		1. General: Provide structural posts with full length aluminum structural inserts with mounting plates and hardware.

\*\* NOTE TO SPECIFIER \*\* Select the style, size and color required from the following paragraphs and delete those not required.

* + 1. Straight 6 inch by 108 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 7,500 lbs maximum.
				2. Uplift: 1,585 lbs maximum.
			2. Color:
				1. White
				2. Almond
				3. Clay
		2. Straight 8 inch by 108 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,585 lbs maximum.
			2. Color:
				1. White
				2. Almond
				3. Clay
		3. Tapered 8 inch by 108 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,585 lbs maximum.
			2. Color:
				1. White
		4. Tapered 8 inch by 120 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,585 lbs maximum.
			2. Color:
				1. White
				2. Almond
				3. Clay
		5. Tapered 10 inch by 108 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,500 lbs maximum.
			2. Color:
				1. White
		6. Tapered 10 inch by 120 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,600 lbs maximum.
			2. Color:
				1. White
				2. Almond
				3. Clay
		7. Square 8 inch by 108 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 900 lbs maximum.
			2. Color:
				1. White
				2. Almond
				3. Clay
		8. Savannah 8 inch by 108 inch Post
			1. Load Rating: With full length extruded aluminum inserts.
				1. Bearing: 18,000 lbs maximum.
				2. Uplift: 1,600 lbs maximum.
			2. Color:
				1. White
				2. Clay
		9. Mounting Brackets: Columns provided with cast aluminum tabbed mounting brackets and mounting screws.
		10. Structural Column Trim & Ring Options

\*\* NOTE TO SPECIFIER \*\* Select the trim and ring options required from the following paragraphs and delete those not required.

* + - 1. 6 inch Straight Trim:
				1. Round Column Head

Column Diameter 6 inches

Square Trim 7-1/2 inches

Depth: 1-1/2 inches

* + - * 1. Round Column Base

Column Diameter 6 inches

Square Base Trim 7-1/2 inches

Depth: .750 inches

* + - 1. 8 inch Straight Trim
				1. Square Column Head

Column Diameter 7-3/4 inches

Square Trim 10-13/16 inches

Total Depth: 2-11/16 inches

* + - * 1. Intermediate Trim

Column Diameter 7-7/8 inches

Trim Diameter 9-1/2 inches

Depth: 2 inches

* + - * 1. Square Column Base

Column Diameter 7-7/8 inches

Square Base Trim: 10-7/8 inches

Square Base Depth: 1-7/8 inches

Total Depth: 4-1/4 inches

* + - 1. 8 inch Tapered Trim
				1. Square Column Head

Column Diameter 6 inches

Square Trim 9-3/16 inches

Total Depth: 2-3/4 inches

* + - * 1. Intermediate Trim

Column Diameter 6 inches

Trim Diameter 8 inches

Depth: 1-3/4 inches

* + - * 1. Square Column Base

Column Diameter: 7-7/8 inches

Square Base Trim: 10-7/8 inches

Square Base Depth: 1-7/8 inches

Total Depth: 4-1/4 inches

* + - 1. Savannah Trim
				1. Square Column Head

Inside Size: 6 inches square

Outside Size: 8 inches

Height: 1-5/8 inches

* + - * 1. Intermediate Trim

Inside Size: 6 inches square

Outside Size: 10-1/4 inches

Height: 2-1/8 inches

* + - * 1. Square Base

Inside Size: 8 inches

Outside Size 11-1/4

Total Depth: 4-1/4 inches

* + - 1. 8 Inch Trim
				1. Square Column Head

Inside Size: 8 inches square

Outside Size: 8 inches

Height: 1-5/8 inches

* + - * 1. Intermediate Trim

Inside Size: 6 inches square

Outside Size: 10-1/4 inches

Height: 2-1/8 inches

* + - * 1. Square Base

Inside Size: 8 inches

Outside Size 11-1/4

Total Depth: 4-1/4 inches

* + - 1. 10 inch Tapered Trim
				1. Square Column Head

Column Diameter 8 inches

Square Trim 11-3/16 inches

Total Depth: 2-11/16 inches

* + - * 1. Intermediate Trim

Column Diameter 8 inches

Trim Diameter 10 inches

Depth: 2 inches

* + - * 1. Square Column Base

Column Diameter: 9-7/8 inches

Square Base Trim: 13 inches

Square Base Depth: 1-7/8 inches

Total Depth: 4-1/4 inches

\*\* NOTE TO SPECIFIER \*\* Select the vinyl column wraps and sleeves required from the following paragraphs and delete those not required.

* 1. VINYL COLUMN WRAPS AND SLEEVES.
		1. Wood Post Cladding: Four piece cladding for wood porch supports with Ratchet Lock System to join corners.

\*\* NOTE TO SPECIFIER \*\* Select the design, size and color required from the following paragraphs and delete those not required.

* + - 1. Fluted C-Cladding:
				1. Thickness: 0.060 inch.
				2. Size:

4 inches by 4 inches by 8.5 feet

6 inches by 6 inches by 8.5 feet

* + - * 1. Color:

White

* + - 1. Fluted Cladding:
				1. Thickness: 0.090 inch.
				2. Size:

4 inches by 4 inches by 10 feet

6 inches by 6 inches by 10 feet

Color:

White

Almond

Clay

* + - * 1. Size:

6 inches by 6 inches by 8.5 feet

8 inches by 8 inches by 10 feet

Color:

White

* + - 1. Smooth Cladding:
				1. Thickness: 0.080 inch.
				2. Size:

4 inches by 4 inches by 10 feet

6 inches by 6 inches by 10 feet

* + - * 1. Color:

White

* + 1. Base Trim:

\*\* NOTE TO SPECIFIER \*\* Select the design, size and color required from the following paragraphs and delete those not required.

* + - 1. Beechdale C-Cladding
				1. Size

4 inch

6 inch

* + - * 1. Color:

White

* + - 1. Beechdale Cladding
				1. Size

4 inch

6 inch

8 inch

* + - * 1. Color:

White

Almond

Clay

* + 1. Post Caps and Trim

\*\* NOTE TO SPECIFIER \*\* Select the cap and trim required from the following paragraphs and delete those not required.

* + - 1. One Piece Post Trim
			2. Modular post Trim
			3. Classic Trim
	1. FABRICATION
		1. Fit, shape and assemble components in largest practical sizes for delivery to the site. Fabricate components with joints tightly fitted and secured.
		2. Sections shall be continuous without splices to the maximum extent possible with manufactures standard lengths.
		3. Provide components required for anchorage. Fabricate anchors and related components of material and finish as required, or as specifically noted.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Ensure that adjacent surfaces, structures, and finishes are protected from damage by construction activities of this section.
		3. Use wood blocks and padding to prevent damage to members and fittings during erection.
		4. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions.
		2. Keep lines straight, plumb, and level.
		3. Provide grounds, clips, backing materials, adhesives, brackets, anchors, and accessories necessary for a complete installation.
		4. Connect components in accordance with manufacturer's instructions applicable to the specified system. Tighten all fasteners so that completed work is rigid and free of play at joints and component attachments.
	4. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.
	5. CLEANING
		1. Remove dust or other foreign matter from component surfaces; clean finishes in accordance with manufacturer's instructions.
	6. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION