SECTION 06 41 00

CONCEALED MONARCH CLIP HANGERS

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

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\*\* NOTE TO SPECIFIER \*\* Monarch Metal Fabrication; Monarch Clip panel hanger hardware products.
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This section is based on the products of Monarch Metal Fabrication, which is located at:
1625 Sycamore Ave.
Bohemia, NY 11716
Tel: 631-563-8967
Fax: 631-563-8976
Email: [request info (zclip@monarchmetal.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Monarch+Metal+Fabrication&coid=48239&rep=&fax=631-563-8976&message=RE:%20Spec%20Question%20(06405mon):%20%20&mf=)
Web: [www.monarchmetal.com](http://www.monarchmetal.com)
 [ [Click Here](http://www.arcat.com/arcatcos/cos48/arc48239.html) ] for additional information.
Monarch Metal manufactures and distributes Monarch Clips, which after more than 20 years, remain the fastest and easiest way to hang architectural woodwork, signs and art work. Monarch also carries a line of aluminum and stainless steel standoffs, corner guards and kick plates.
Monarch also supplies over 450 structural shapes, angles, channels and bars in aluminum, stainless steel, brass and mild steel. These are available in a variety of finishes including #4 brushed and polished finishes and anodized aluminum finishes
Monarch Clips are a fast, easy and cost-effective method to lock in place any kind of wall panel, acoustical panel, partition, wall cabinet, signage, artwork, etc. The Monarch Clip fasteners wedge together, locking panels in place. It provides for easy and fast future removal or dismounting of panels, etc., for change or replacement. Since Monarch Clips remain concealed, it also allows for prefinishing, without time-consuming face nailing or costly on-the-job finishing. Installation time and costs can be cut by 50 percent when using Monarch Clips.

1. GENERAL
	1. SECTION INCLUDES

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

* + 1. Concealed Monarch Clip Hangers.
	1. RELATED SECTIONS

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

* + 1. Section 06 40 00 - Architectural Woodwork.
		2. Section 09 26 13 - Gypsum Veneer Plastering.
		3. Section 09 21 16.23 - Gypsum Board Shaft Wall Assemblies.
		4. Section 09 70 00 - Wall Finishes.
	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 A 240 - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
		2. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
	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.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if LEED is not applicable.

* + 1. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
			1. List of proposed materials with recycled content. Indicate post-consumer recycled content and pre-consumer recycled content for each product having recycled content.
			2. Product data and certification letter indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened packaging until ready for installation.
	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. Install products in an interior climate-controlled environment.
		2. 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.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Monarch Metal Fabrication, which is located at: 1625 Sycamore Ave.; Bohemia, NY 11716; Tel: 631-563-8967; Fax: 631-563-8976; Email: [request info (zclip@monarchmetal.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Monarch+Metal+Fabrication&coid=48239&rep=&fax=631-563-8976&message=RE:%20Spec%20Question%20(06405mon):%20%20&mf=); Web: [www.monarchmetal.com](http://www.monarchmetal.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.

\*\* NOTE TO SPECIFIER \*\* Select one the following Monarch Clip hanger paragraphs as required to suit project requirements. Delete the paragraphs that are not applicable. The "Lift-Off" is the amount you need to raise the panel over its resting height to mount the panel. The "Projection" is the distance that the panel sits out from the wall.
The MF375 Clip is used when you are trying to mount the panel with 1/2 inch or more between the panel and a finished ceiling.
The MF625 Clip is used when you are trying to mount the panel with 3/4 inch or more between the panel and a finished ceiling and you want a longer length of engagement between the clips.
The Stainless Steel Z Clips are generally used where corrosion resistance (exterior panels, bathrooms, pool areas) or strength are of concern. Type 316 is typically used in locations with salt water marine exposures.

* 1. MONARCH CLIP HANGERS
		1. System Description: Two piece interlocking assembly, similar to a french cleat, designed for removable installation of wall panels and other panels without exposed fasteners. System consists of 2 parts with the shorter Monarch Z Clips mechanically attached to back of panel and the longer continuous length attached to wall substrate.
		2. Monarch Z Clip: MF-625: Extruded 6063-T6 aluminum in accordance to ASTM B 221; mill finish.
			1. Stock clip size: 1.5 inches.
			2. Stock continuous length:

\*\* NOTE TO SPECIFIER \*\* Select one the following paragraphs for the length required and delete those not required

* + - * 1. 72 inches.
				2. 144 inches.
				3. \_\_\_ inches.
			1. Lift-off: 5/8 inch.
			2. Projection: 3/16 inch.
			3. Total Height: 3-1/8 inches with two clip sections fully engaged.
			4. Holes:

\*\* NOTE TO SPECIFIER \*\* Select one the following paragraphs for the predrilled holes required and delete those not required.

* + - * 1. 8 inches on centers.
				2. \_ inches on centers.
				3. None.
		1. Monarch Z Clip: MF-375: Extruded 6063-T6 aluminum in accordance to ASTM B 221; mill finish.
			1. Stock clip size: 2.0 inches
			2. Stock continuous length:

\*\* NOTE TO SPECIFIER \*\* Select one the following paragraphs for the length required and delete those not required

* + - * 1. 72 inches.
				2. 144 inches.
				3. \_\_\_ inches.
			1. Lift-off: 3/8 inch.
			2. Projection: 1/4 inch.
			3. Total Height: 2-3/8 inches with two clip sections fully engaged.
			4. Holes:

\*\* NOTE TO SPECIFIER \*\* Select one the following paragraphs for the predrilled holes required and delete those not required.

* + - * 1. 8 inches on centers.
				2. \_ inches on centers.
				3. None.
		1. Monarch Stainless Steel Z Clip:
			1. Material: Stainless Steel conforming to ASTM A 240.
				1. Type 304 stainless steel.
				2. Type 316 stainless steel, Marine Grade.
			2. Stock clip size: 1.5 inches.
			3. Stock continuous length:

\*\* NOTE TO SPECIFIER \*\* Select one the following paragraphs for the length required and delete those not required

* + - * 1. 24 inches.
				2. 36 inches.
				3. 48 inches.
				4. \_\_\_ inches.
			1. Lift-off: 3/4 inch.
			2. Projection: 1/4 inch.
			3. Total Height: 3 inches with two clip sections fully engaged.
			4. Holes:

\*\* NOTE TO SPECIFIER \*\* Select one the following paragraphs for the predrilled holes required and delete those not required.

* + - * 1. 8 inches on centers.
				2. \_ inches on centers.
				3. None.

\*\* NOTE TO SPECIFIER \*\* The following fasteners are typical for most applications. However, the fastener selected will vary based upon the substrate of the panel and the mounting surface. Visit [www.monarchmetal.com](http://www.monarchmetal.com) and use the Monarch Z Clip selector tool for a more definitive recommendation on the fastener and appropriate installation.

* + 1. Fasteners: #8 pan head, deep thread screws, lengths of:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs for the fasteners required. In general for the strongest connection select the longest fastener possible for the substrate to which it is fastened.

* + - 1. 1/2 inch.
			2. 5/8 inch.
			3. 3/4 inch.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. Complete all finishing operations, including painting, before beginning installation of panel systems.
		3. 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. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. General: Install products level and plumb, in full compliance with manufacturer's installation instructions.
	4. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.
	5. ADJUSTING AND CLEANING
		1. Verify that products are plumb and rigidly secured to substrate; make any adjustments required.
		2. Clean products and immediate areas of installation, using materials and methods recommended by manufacturer. Remove from project site packaging and debris caused by installation.

END OF SECTION