

# PolySign® Single-Panel Series



1.2.100  
8/07

*The non-illuminated  
Single Panel Series  
provides a complete  
modular sign system.*



*Winner of IDEA Award for Design Excellence  
From The Industrial Designers Society of  
America*



**Configurations**

- Single Post
- Double Post
- Surface Mounted
- Base Mounted
- Ceiling Suspended

**Features**

- Modular Concept
- Posts and Decorative End Shapes: Radius, Square, and Contour
- Fiberglass (FRP) Sign Panels
- Impact Resistant
- Interchangeable Panels
- Single or Double Sided
- Windload Engineered
- Engineered Extruded Aluminum Components
- Non-Corrosive, Concealed Hardware
- Optional Fiberglass Forms for Creating Matching Masonry End Shapes
- Permanent & Semi-Permanent Graphics
- Durable, Fade-Resistant Finishes
- 7 Year Limited Warranty

**Selecting a Sign  
A Step By Step Guide**

1. Select the support configuration that best suits conditions:
  - Double Post Mount- 2 sides\*
  - Single Post Mount- 2 sides
  - Wall Mount- 1 side\*
  - Base Mount- 2 sides\*
  - Flatsheet- 1 side
  - Overhead Panel- 2 sides
 \* Available with removable faces
2. Using a Viewing/Distance Chart, determine if the panel size you have selected will accommodate the longest message with a typesize suitable for viewing.
3. Use the Product Order Form to review necessary detailed information required for manufacturing.
4. Check local authority to assure size, location, and specifications meet code requirements.

**Sign Panel Construction: Resin Hook**

Single panels are molded of fiberglass and incorporate special aluminum Resin Hook extrusions that create the sign panel returns (depth). All edges are precise 90° angles.

**The Fiberglass Process**

The fiber-reinforced plastic (FRP) is composed of a resin which is strengthened with glass fiber strands. An initial layer of gel coat seals the resin and prevents exposure of glass fibers. The gel coat provides a uniform, blemish-free surface for receiving the final polyurethane finish.

**Finishes**

Finishes for both fiberglass and aluminum components are high-grade, two component polyurethane, offering superior durability for extreme exposure.

**Warranty**

All PolySign products are backed by a Seven-year written limited warranty.

**Opaque Graphic Applications**

APCO offers two distinct methods for opaque graphics; Non-illuminated graphics using painted graphics (intaglio method) and pressure sensitive vinyl (PSV) lettering.

**Intaglio**

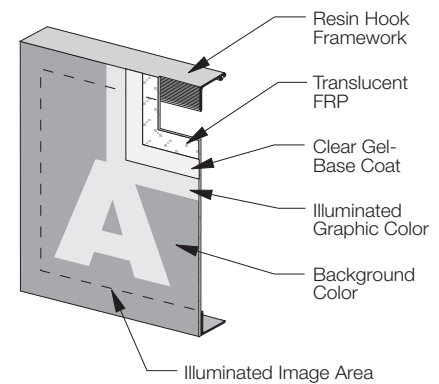
Intaglio is a process where by graphics becomes a permanent and integral part of the sign coating. The first polyurethane coating becomes the graphic color, after which a computer cut mask is applied. The final coat or background color, is applied and the masks are peeled away to reveal the graphics color.

**Pressure Sensitive Vinyl (PSV)**

Computer generated graphics are precision cut from 2.0 mil vinyl and applied to surface of sign panel, directly over the polyurethane background color. Vinyl is resistant to gasoline, oil, water, alcohol, alkali, and salt spray.

**Installation & Maintenance**

Each PolySign product is accompanied by complete installation and maintenance instructions.

**SignPanel Construction**

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**2", 4" & 8" Support Posts**

**Page 1.2.103-104**

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**Sign Panel Construction**

**Page 1.2.105**

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**Curved Sign Panel Option**

**Page 1.2.106**

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**4110 Series**



**4110.1**  
Double Post &  
Panel  
**4110.1RP**  
Removable Panel



**4110.2**  
Double  
Companion  
Post & Panel  
**4110.2RP**  
Removable Panel

**Page 1.2.107-110**

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**4130 Series**



**4130.1**  
Single Post &  
Panel  
Flag Mount



**4130.2**  
Single  
Companion  
Post & Panel  
Flag Mount

**Page 1.2.111-112**

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**4140 Series**



**4140.1**  
Surface Wall  
Mount



**4140.2 RP**  
Surface Wall  
Mount w/End  
Shapes  
Removable Panel

**Page 1.2.113-114**

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**4150 Series**



**4150.1M**  
Base Mount  
Square Ends  
(Monolith)  
**4150.1RP**  
Removable Panel



**4150.2M**  
Base Mount  
w/End Shapes  
(Monolith)  
**4150.2 RP**  
Removable Panel

**Page 1.2.115-118**

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**4160 Series**



**4160.1**  
Flat Sheet  
Post Mount



**4160.3**  
Flat Sheet  
Wall Mount

**Page 1.2.119-120**

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**4170 Series**



**4170.4**  
Overhead  
Panel

**Page 1.2.121-122**

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**Standard Sizes & Estimated Weights**

**Page 1.2.123-128**

## 2" & 4" Support Posts

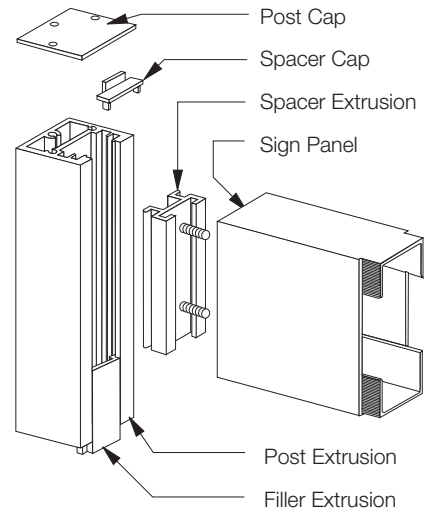
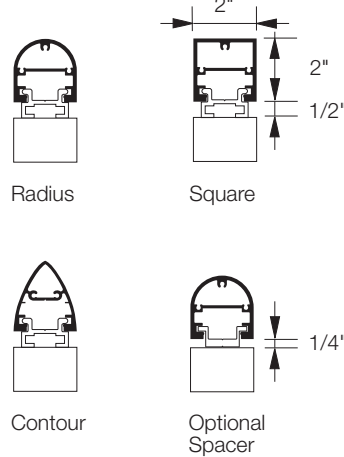
### 2" Support Posts

Structurally engineered post extrusions are 6063-T6 aluminum, available in Radius, Square and Contour shapes. A 3/16" thick aluminum or molded plastic cap is available and is mechanically fastened to the top of each post.

Another structural component is the spacer extrusion. It is mechanically fastened to the sign panel, providing a slip-type fit between post and cabinet. A filler extrusion fills the post gap below the spacer where the spacer cap fills the space above.

All assembly hardware is non-corrosive and designed for compatibility with each PolySign product.

### 2" - 50mm



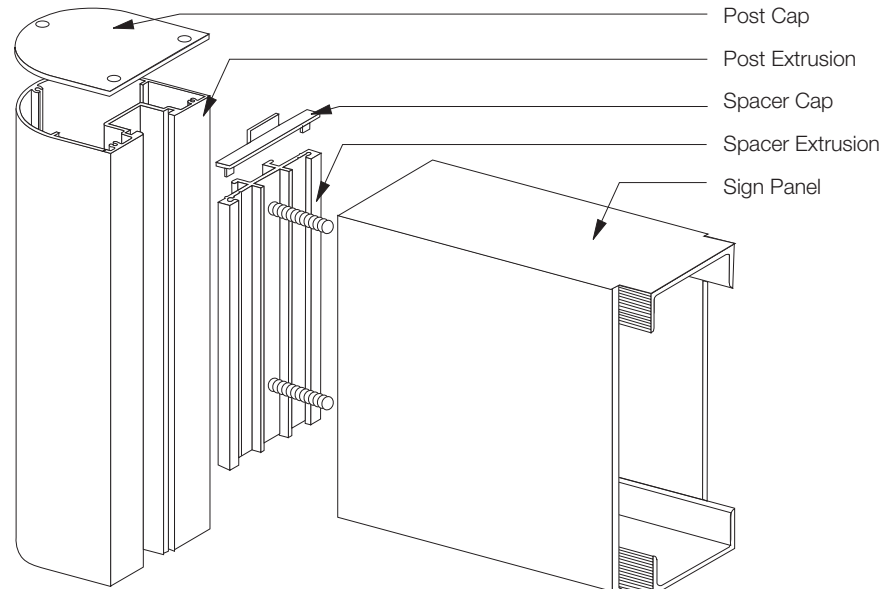
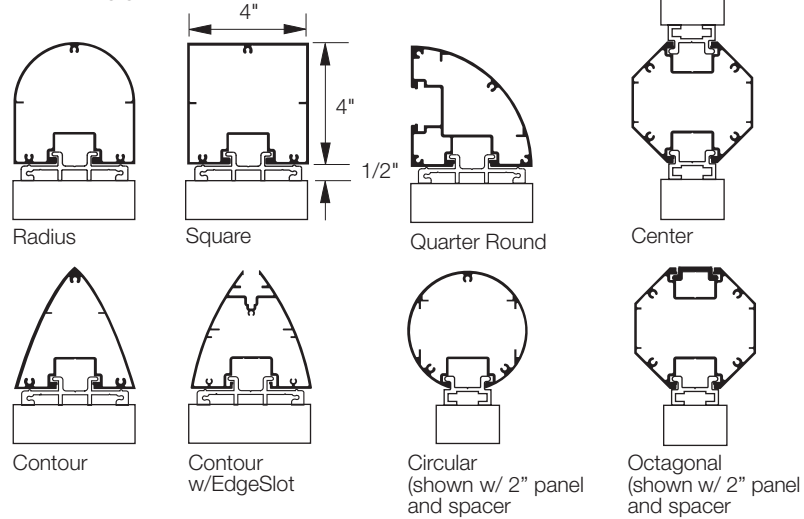
### 4" Support Posts

Structurally engineered post extrusions are 6063-T6 aluminum, available in Radius, Square, Contour, Center, Quarter Round, Circular and Octagonal shapes. A 3/16" thick aluminum cap is mechanically fastened to the top of each post.

Another structural component is the spacer extrusion. It is mechanically fastened to the sign panel, providing a slip-type fit between post and cabinet. A filler extrusion fills the post gap below the spacer where the spacer cap fills the space above.

All assembly hardware is non-corrosive and designed for compatibility with each PolySign product.

### 4" - 100mm



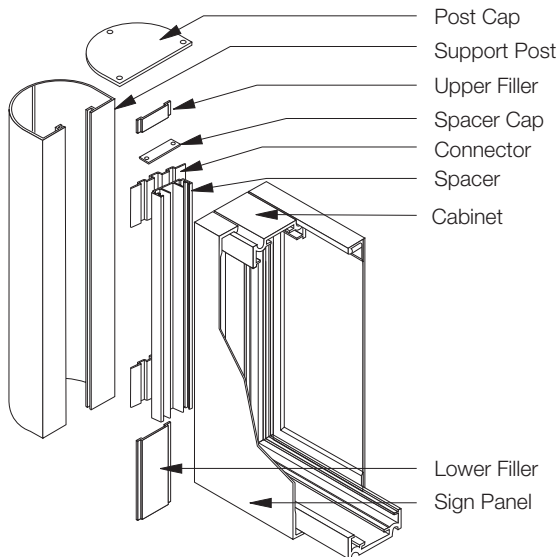
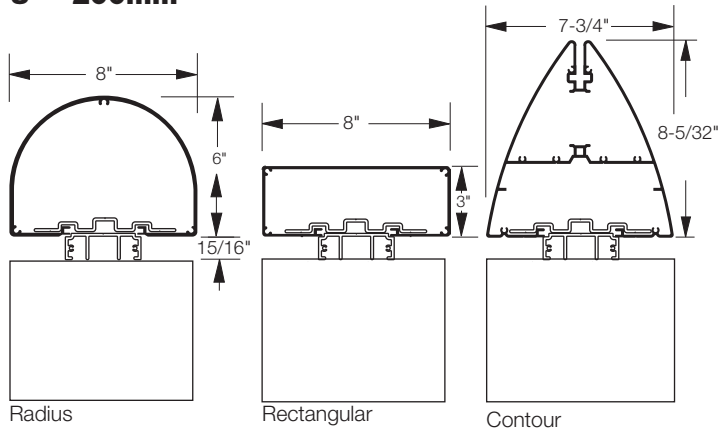
## 8" Support Posts

Structurally engineered post extrusions are 6063-T6 aluminum, available in Radius, Rectangular and Contour shapes. Wall thickness is 3/16" for Radius and Contour, 1/8" for Rectangular. A 3/16" thick aluminum cap is available and is mechanically fastened to the top of each post.

Other structural components are the spacer and connector extrusions. They are mechanically fastened to the support posts, providing direct attachment between post and cabinet. A filler extrusion fills the post gap above and below the spacer.

All assembly hardware is non-corrosive and designed for compatibility with each PolySign product.

### 8" - 200mm



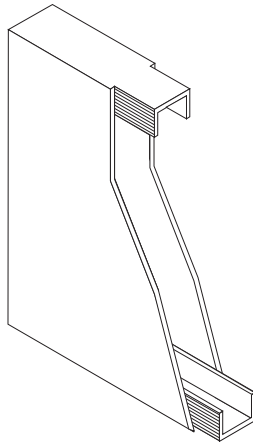
# Sign Panel Construction

## 2" & 4" Sign Panels

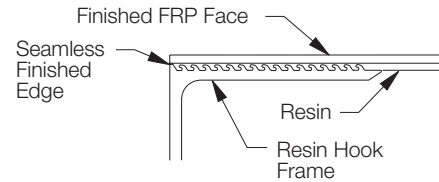
Sign panels are molded of opaque fiber-reinforced plastic (FRP) - thermoset polyester resin strengthened with glass fiber strands - and permanently bonded to an aluminum frame which interfaces with structural aluminum posts and spacers.

### FRP Process

The molding process begins with an initial layer of gelcoat to seal the panel surface and provide a flawless base to which graphics and final color finishes are applied. A triple layer of fiber and resin is applied to produce a homogeneous, seamless panel. The panel is then bonded to the extruded aluminum Resin Hook framework to form the completed structure.



### Resin-Hook Detail



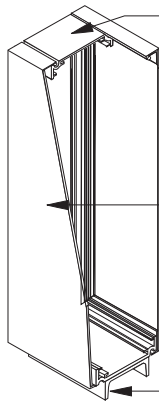
## Removable Panel (RP)

A removable panel is a 2" deep resin hook frame with a fiberglass face that interlocks onto a structural cabinet. 8" post mount and 12" base mount configurations are standard RP products.

### Distinctive features:

Panel face and returns are seamless. Removable panels allow replaceable graphics on either side of sign. Lighter weight generally than monolith panels.

Post mounted, wall mounted and base mounted options.



- Extruded Aluminum Cabinet
- Removable Sign Panels Hinge at Top with Retaining Screws at Bottom
- Fiber Reinforced Plastic Sign Faces Molded to Framework
- Skirt (Base Mounted PolySign)

## Optional Monolith Panel

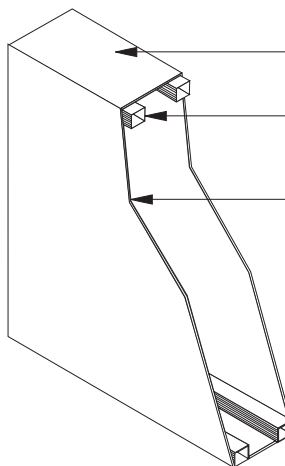
Solid Monolith Panels are constructed with special aluminum Resin Hook tubing, welded to aluminum plate returns. Fiberglass faces are then molded to the structure for a seamless appearance.

An 8" deep monolithic panel is available as an option to the standard 8" post mount configuration, with removable panels.

A 12" deep monolithic panel is available as an option to the standard 12" base mount configuration, with removable panels.

### Distinctive features:

Panel is seamless around full perimeter.



- Aluminum Outer Skin Welded to Internal Structure
- Resin Hook Tubing Structure
- Fiber Reinforced Plastic Sign Faces Molded to Aluminum Framework



**4110.1CP Series**  
Double Post  
Curved Panel  
2" & 4" Thicknesses

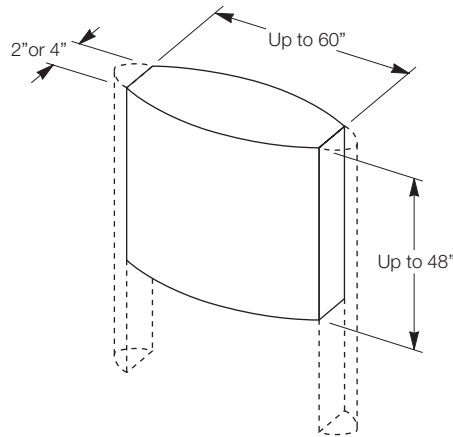


**4110.2CP Series**  
Companion Post  
Curved Panel  
2" & 4" Thicknesses



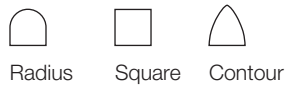
**4130.1CP Series**  
Single Post Mount  
Curved Panel  
2" & 4" Thicknesses

**4130.2CP Series**  
Single Companion Post  
Curved Panel  
2" & 4" Thicknesses

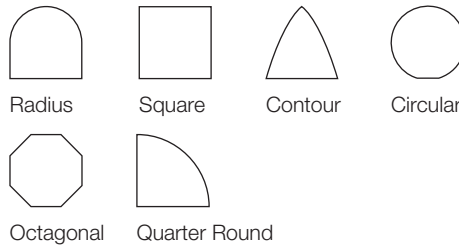


Panel Height	Panel Width					
	18"	24"	30"	36"	48"	60"
12"	•	•	•	•	•	•
18"	•	•	•	•	•	•
24"	•	•	•	•	•	•
30"	•	•	•	•	•	•
36"	•	•	•	•	•	•
48"	•	•	•	•	•	•

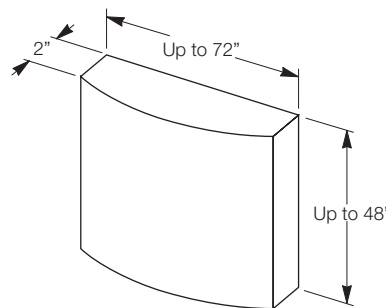
**2" Post Shapes**



**4" Post Shapes**



**4140.1CP Series**  
Wall Mount  
Curved Panel  
2" Thickness



Panel Height	Panel Width						
	18"	24"	30"	36"	48"	60"	72"
12"	•	•	•	•	•	•	•
18"	•	•	•	•	•	•	•
24"	•	•	•	•	•	•	•
30"	•	•	•	•	•	•	•
36"	•	•	•	•	•	•	•
48"	•	•	•	•	•	•	•

*72" available for open-back wall mount only.*

## 4110 Series - Double Post and Panel

### Product Description

The Double Post Mounted version of the Single Panel (SP) series is available in 2" and 4" monolith versions and an 8" thickness with removable panels. Configurations include horizontal and pylon oriented panels.

All assembly hardware, included posts, fasteners, and cabinet are non-corrosive.

### Graphic Application Options

- Permanent Intaglio
- Semi-permanent surface-applied PSV's

### Typestyles, Arrows & Symbols

See section 5 of the Technical Binder for standard selections.

### Custom Graphics

Logos, custom symbols, etc. can be reproduced via computer from customer's EPS format art.

### Module Finishes/Colors

See section 5 of the Technical Binder for standard selections.

### Mounting Technique

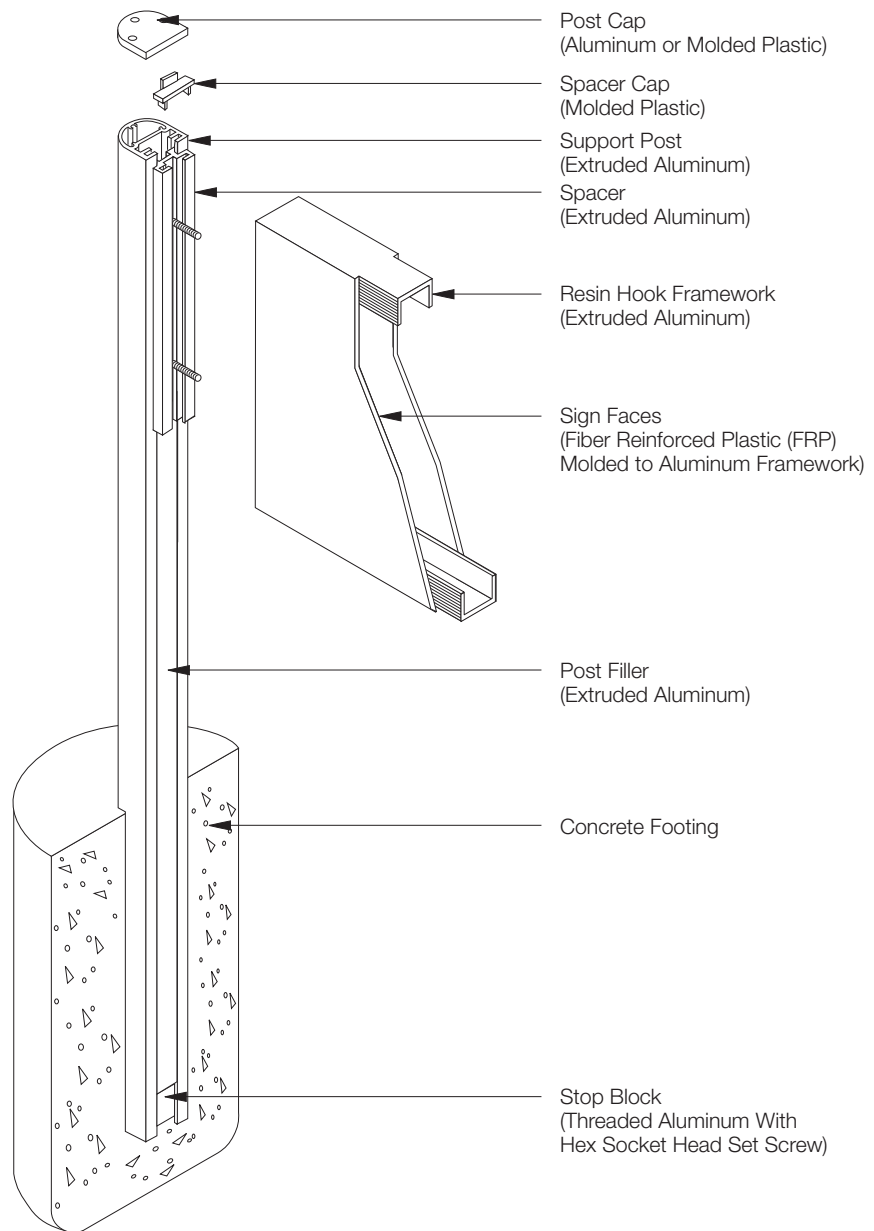
As a standard, support posts are implanted directly into earth as shown. An optional Grade Mount Method for 2" & 4" posts involves a detachable steel mounting foot at the end of each post to attach directly to the mounting surface. For Grade Mounted 8" posts, an aluminum plate is welded to the end of the posts.

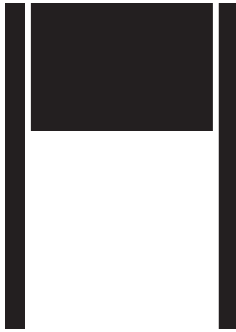
### Windload Ratings

When properly installed, Single Panel products meet minimum 120 mph windload requirements.

### Standard Post Lengths

Panel Height	2" Post	4" Posts	8" Posts
12"	6'	na	na
18"	6'	na	na
24"	6'	6'	na
30"	8'	8'	na
36"	6'-8'	8'	8'
48"	8'-10'	8'-10'	10'
60"	8'	8'-10'	11'
72"	10'	10'	12'
96"	na	12'	12'
120"	na	14'	14'
144"	na	na	16'

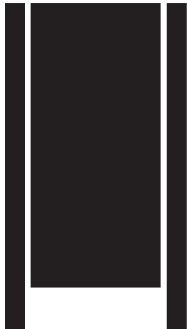




**4110.1 Double Post and 4110.1RP (Removable Panel)**

Overall Depth:	2"	4"	8" *
Panel Depth:	2"	4"	2" (RP) 8" (Monolith)
Post Shape Selection:	Radius, Square, Contour,	Radius, Square, Contour, Qtr. Round, Circular, Octagonal	Radius, Rectangular, Contour
Supports:	2 Posts	2 Posts	2 Posts
Panel Size Range:	12" x 24" to 36" x 72"	12" x 24" to 48" x 120"	36" x 72" to 48" x 96" (Monolith)  36" x 72" to 72" x 144" (RP)

\*Standard 8" Deep Modules are Removable Panels (RP)



Overall Depth:	2"	4"	8" *
Panel Depth:	2"	4"	2" (RP) 8" (Monolith)
Post Shape Selection:	Radius, Square, Contour	Radius, Square, Contour, Qtr. Round, Circular, Octagonal	Radius, Rectangular, Contour
Supports:	2 Posts	2 Posts	2 Posts
Panel Size Range:	24" x 12" to 72" x 36"	24" x 12" to 120" x 48"	72" x 36" to 96" x 48" (Monolith)  72" x 36" to 144" x 72" (RP)

\*Standard 8" Deep Modules are Removable Panels (RP)

**Product Description**

The Double Companion Post Mounted version of the Single Panel (SP) series is available in 2 and 4" monolith versions and an 8" thickness with removable panels. Configurations include horizontal and pylon oriented panels.

All assembly hardware, included posts, fasteners, and housing cabinet are non-corrosive.

**Graphic Application Options**

- Permanent Intaglio
- Semi-permanent surface-applied PSV's

**Typestyles, Arrows & Symbols**

See section 5 of the Technical Binder for standard selections.

**Custom Graphics**

Logos, custom symbols, etc. can be reproduced via computer from customer's camera ready art.

**Module Finishes/Colors**

See section 5 of the Technical Binder for standard selections.

**Mounting Technique**

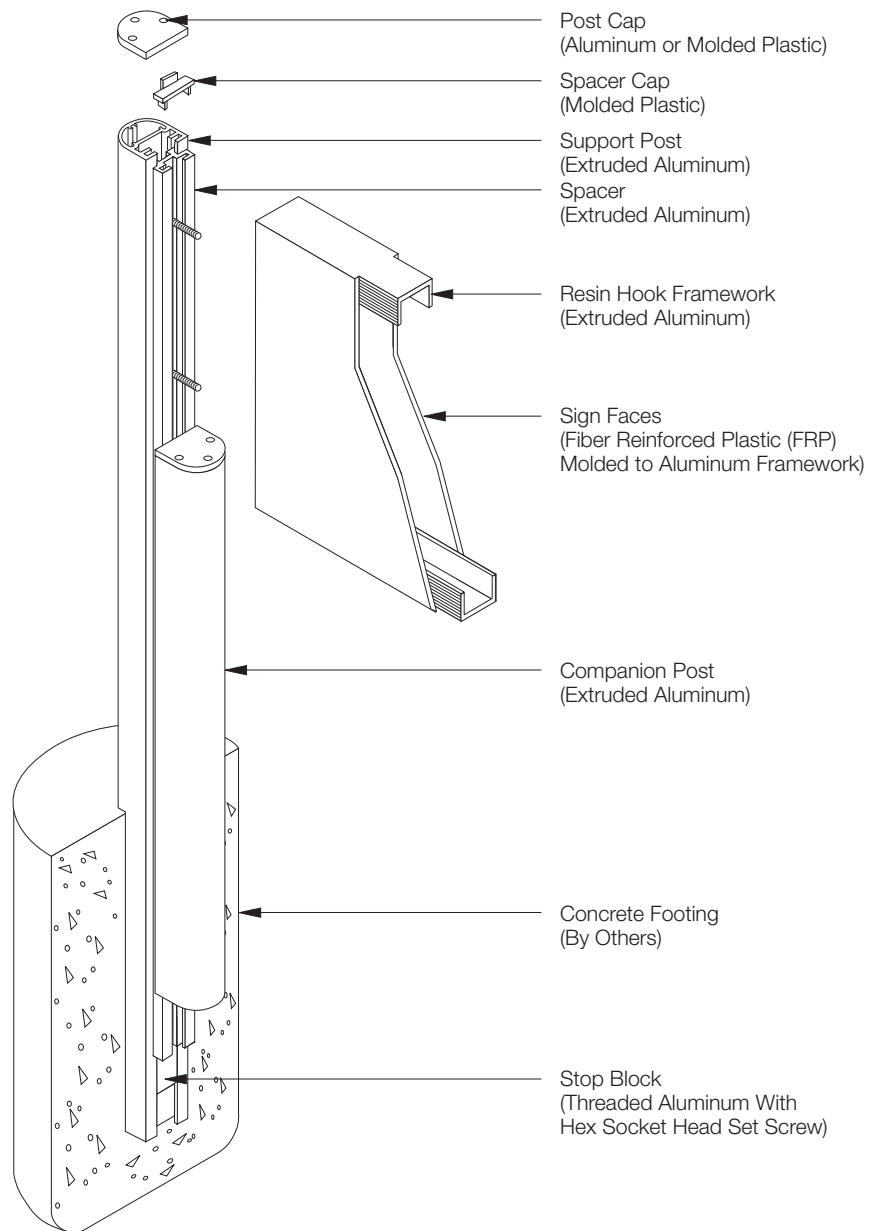
As a standard, support posts are implanted directly into earth as shown. An optional Grade Mount Method for 2" & 4" companion posts involves a welded aluminum plate at the end of each post to attach directly to the mounting surface. For Grade Mounted 8" posts, an aluminum plate is welded to the end of the posts.

**Windload Ratings**

When properly installed, Single Panel products meet minimum 100 mph windload requirements.

**Standard Post Lengths**

Panel Height	2" Posts	4" Posts	8" Posts
12"	6'	na	na
18"	6'	na	na
24"	6'	6'	na
30"	8'	8'	na
36"	6'-8'	8'	8'
48"	8'-10'	8'-10'	10'
60"	8'	8'-10'	11'
72"	10'	10'	12'
96"	na	12'	12'
120"	na	14'	14'
144"	na	na	16'





**4110.2 Double Companion Post and 4110.1RP (Removable Panel)**

Overall Depth:	2"	4"	8" *
Panel Depth:	2"	4"	2" (RP) 8" (Monolith)
Post Shape Selection:	Radius, Square, Contour,	Radius, Square, Contour, Circular, Qtr. Round	Radius, Rectangular, Contour
Supports:	2 Posts with 2 Companion Posts	2 Posts with 2 Companion Posts	2 Posts with 2 Companion Posts
Panel Size Range:	12" x 24" to 36" x 72"	12" x 24" to 48" x 120"	36" x 72" to 48" x 96" (Monolith)  36" x 72" to 72" x 144" (RP)

\*Standard 8" Deep Modules are Removable Panels (RP)

## 4130 Series - Single Post Flag Mount

### Product Description

The Single Post Flag Mount version of the Single Panel (SP) Series is available in 2" and 4" thickness. All hardware, including posts, fasteners, and housing cabinet, is non-corrosive.

### Graphic Application Options

- Permanent Intaglio
- Semi-permanent surface-applied PSV's

### Typstyles, Arrows & Symbols

See Section 5 of the Technical Binder for standard selections.

### Custom Graphics

Logos, custom symbols, etc. can be reproduced via computer from customer's camera ready artwork.

### Module Finishes/Colors

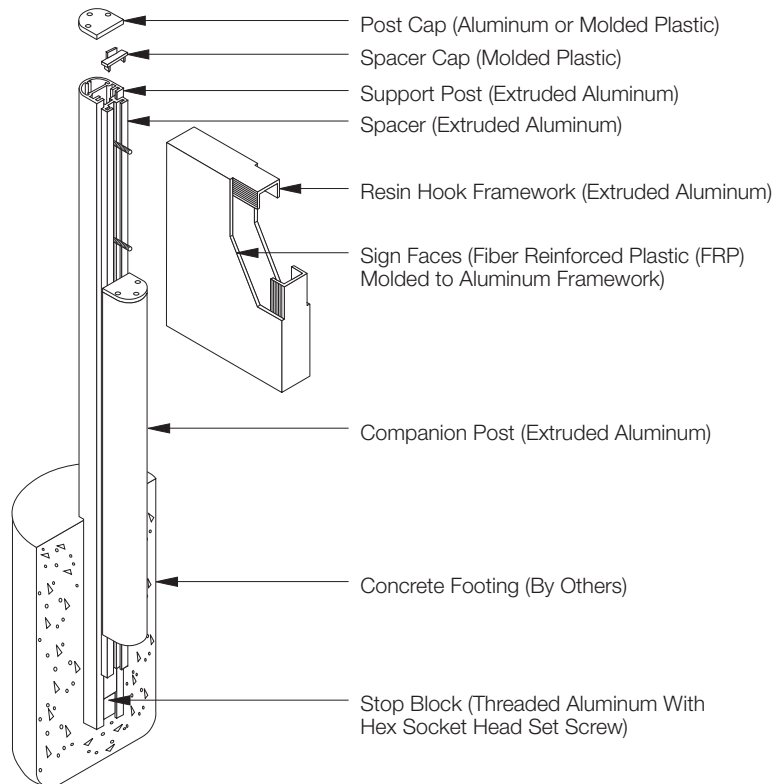
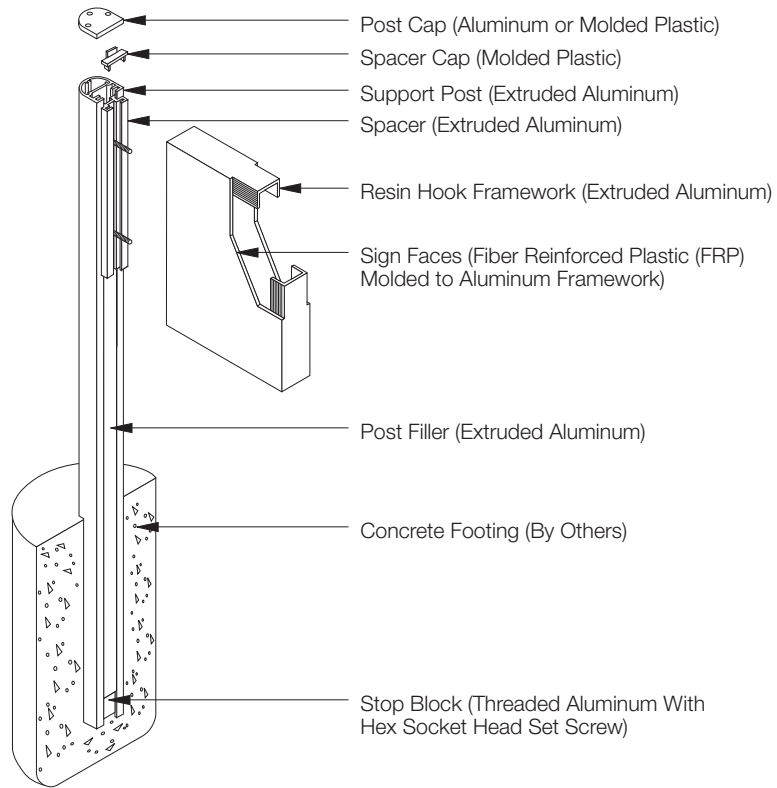
See Section 5 of the Technical Binder for standard selections.

### Mounting Technique

As a standard, the support post is implanted directly into earth as shown. An optional Grade Mount Method involves a welded aluminum plate at the end of the post to attach directly to mounting surface.

### Windload Ratings

When properly installed, Single Panel products meet minimum 120 mph windload requirements.





**4130.1 Single Post & Panel Flag Mount**

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Overall Depth:	2"
Panel Depth:	2"
Post Shape Selection:	Radius, Square, Contour
Supports:	1 Post
Panel Size Range:	12" x 12" to 36" x 24"

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**4130.2 Single Companion Post & Panel Flag Mount**

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Overall Depth:	2"
Panel Depth:	2"
Post Shape Selection:	Radius, Square, Contour
Supports:	1 Post
Panel Size Range:	12" x 12" to 36" x 24"

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## 4140 Series - Wall Mount Panel

### Product Description

The 4140.1 Wall Mount version of the Single Panel (SP) Series features an open-back design with a 2" return. Mounting is concealed via countersunk mechanical fasteners, located at top & bottom returns. Sizes up to 72" x 144" are available.

The 4140.2RP Wall Mount version is a single sided aluminum cabinet with a removable FRP sign panel. Finished assembly is 6 1/2" thick. Fiberglass end shapes are available in Radius or Contour. End shapes incorporate a 1" reveal between the sign cabinet and end shape. This provides the necessary clearance for the sign panel to function. End shapes are factory assembled using concealed, non-corrosive hardware.

### Mounting Techniques

#### 4140.1 Wall Mount

Panels are supplied with aluminum mounting angles for use at top and bottom. Mounting holes and anchor hardware are provided by the installer.

#### 4140.2RP Wall Mount

Sign cabinets are supplied with structural members welded horizontally within backside of cabinet interior. Mounting holes and anchor hardware are provided by the installer.

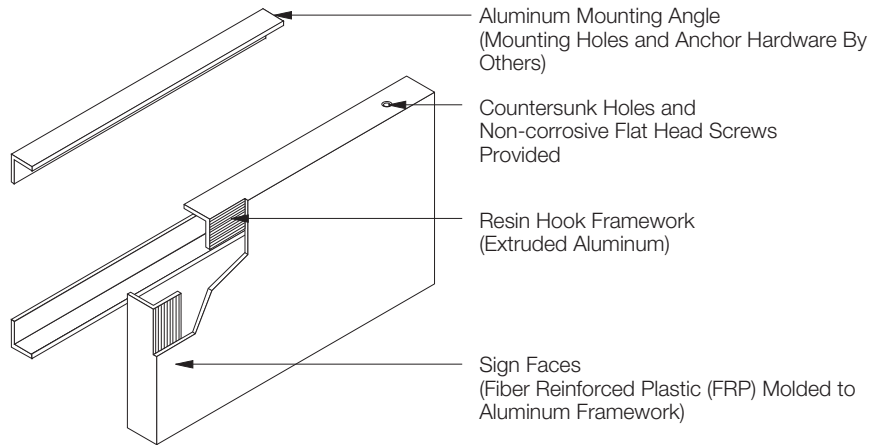
### Graphic Application Options

- Permanent Intaglio
- Semi-permanent surface applied PSV's

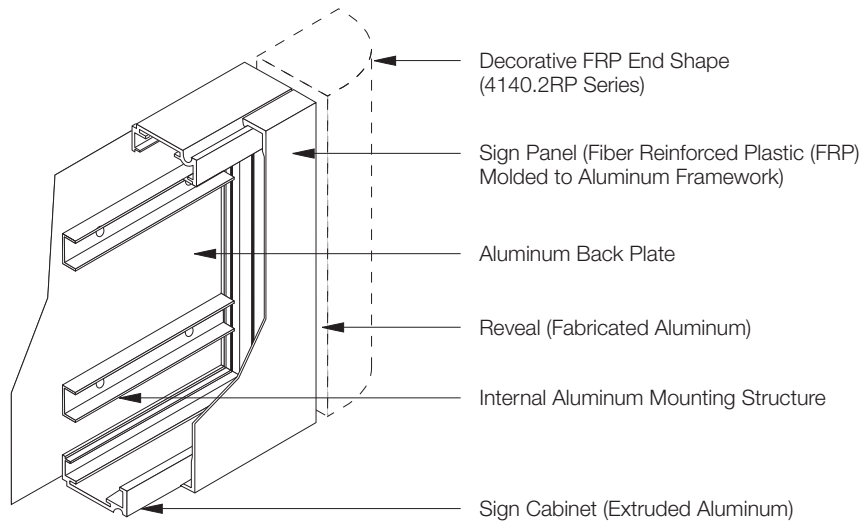
### Typstyles, Arrows & Symbols

See Section 5 of the Technical Binder for standard selections.

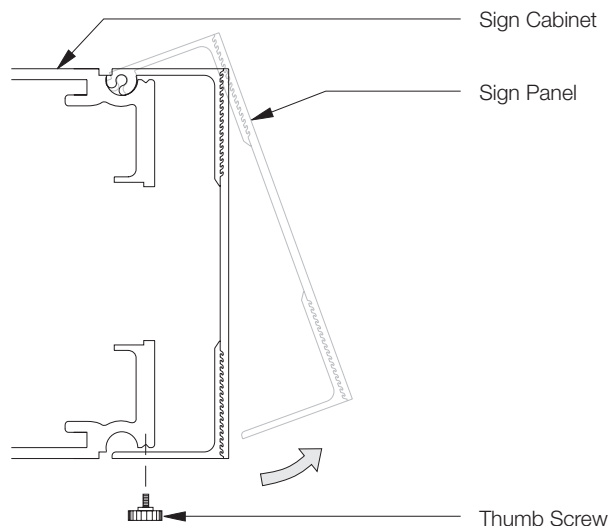
### 4140.1 Surface Wall Mount



### 4140.2RP Surface Wall Mount - Removable Panel



### 4140.2RP Sign Panel Operation





### 4140.1 Surface Wall Mount Panel

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Overall Depth:	2"
Panel Depth:	2"
Supports:	2 Mounting Angles (1 top and 1 bottom)
Panel Size Range:	12" x 12" to 72" x 144" (Horizontal configuration) 18" x 12" to 144" x 72" (Vertical configuration)

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### 4140.2RP Surface Wall Mount Panel w/End Shapes and Removable Panel

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Overall Depth:	6 1/2"
Panel Depth:	2"
End Shape Selection:	Radius, Contour
Supports:	Internal Horizontal Mounting Structure (2 minimum)
Panel Size Range:	36" x 36" to 72" x 144"

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**Product Description**

The Base Mounted Removable Panel version of the Single Panel (SP) Series incorporates a masonry or suitable support base (not included). Mounting patterns are available to insure proper installations. This configuration provides two viewing surfaces.

**Decorative End Shapes**

Decorative Radius and Contour end shapes are non-structural components molded of fiber reinforced plastic (FRP). The standard depth is 12" with an 8" option available. A 1" wide fabricated aluminum reveal is used to separate end shapes from the sign cabinet. It also provides necessary clearance for a sign panel to function properly. End shapes are factory assembled to the sign cabinet using non-corrosive hardware.

An off-set is molded into the base of the end shape which conforms to the height and width of the sign cabinet's skirt, or bottom reveal.

NOTE: The square end shapes designation (4150.1 Series) is not actually a decorative end shape but is used to describe a PolySign without end shapes.

**Optional Foundation Forms**

Fiberglass End Forms are available for forming 8" or 12" deep concrete bases to match end shapes of sign module. Length of forms is 48". Forms are reusable if care is taken in dismantling. Single forms may be cut into multiple sections if shorter lengths are adequate.

**Graphic Application Options**

- Permanent Intaglio
- Semi-permanent surface applied PSV's.

**Typestyles, Arrows & Symbols**

See Section 5 of Technical Binder for standard selections.

**Custom Graphics**

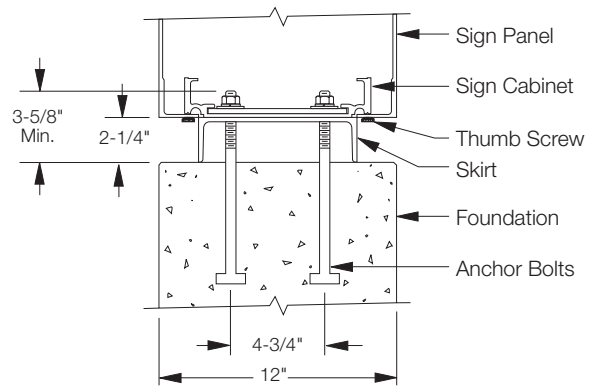
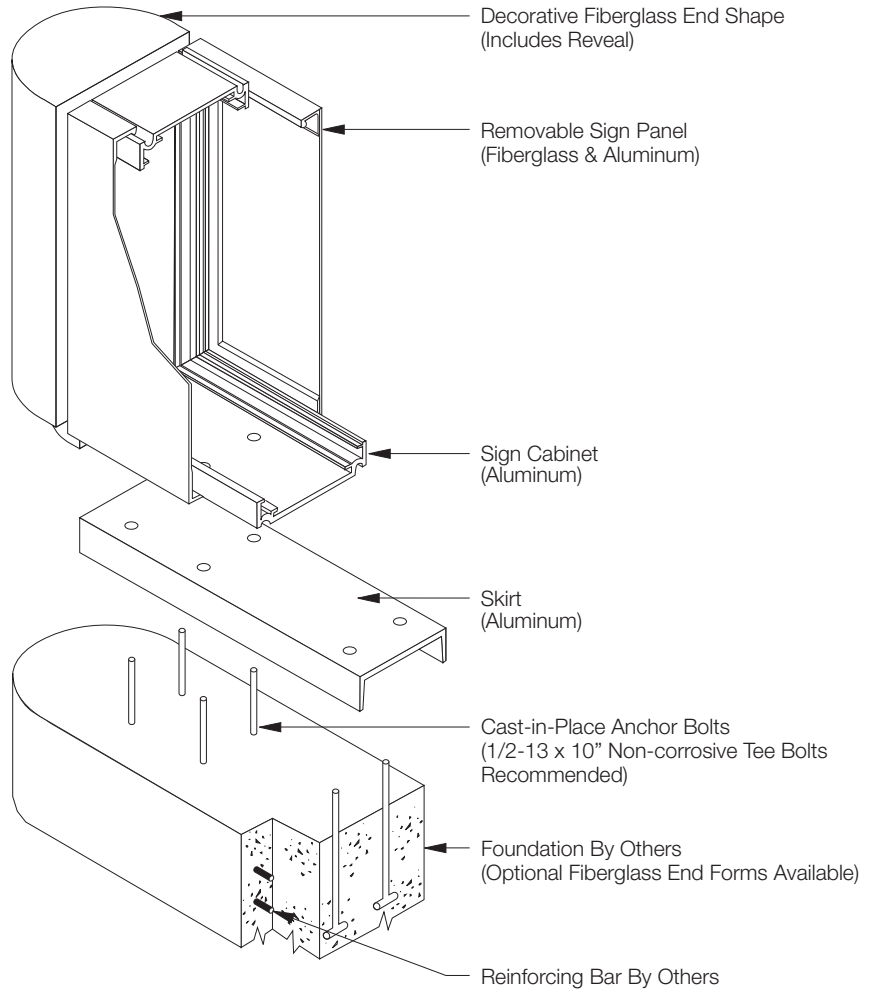
Logos, custom symbols, etc. can be reproduced via computer from customer's camera ready art.

**Module Finishes/Colors**

See Section 5 of Technical Binder for standard selections.

**Windload Ratings**

When properly installed, Single Panel products meet minimum 120 mph windload requirements.



**Anchor Detail**



**4150.1RP Square Base Mount**

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Overall Depth:	12"
Panel Depth:	2"
Supports:	Concrete based formed in place by others
Panel Size Range:	36" x 48" to 72" x 120" (12" Module) 48" x 36" to 120" x 72" (12" Pylon)

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**4150.2RP Base Mount with End Shapes**

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Overall Depth:	12"
Panel Depth:	2"
End Shape Selection:	Radius, Contour
Supports:	Concrete based formed in place by others
Panel Size Range:	36" x 48" to 72" x 120" (12" Module) 48" x 36" to 72" x 60" (12" Pylon)

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Optional Radius and Contour End Forms for Concrete Bases (Maximum 4' Height)  
12 CRF- 12" Radius  
12 CCF- 12" Contour

**Product Description**

The Base Mounted Monolith version of the Single Panel (SP) Series incorporates a masonry or suitable support base (not included). Mounting patterns are available to insure correct installations. This configuration provides two viewing surfaces.

**Decorative End Shapes**

Decorative radius and contour end shapes are non-structural components molded of fiber reinforced plastic (FRP). The standard depth is 12" with an 8" option available upon special request. A 1" wide fabricated aluminum reveal is used to separate end shapes from the sign cabinet. End shapes are factory assembled to the sign cabinet using non-corrosive hardware.

An off-set is molded into the base of the end shape which conforms to the height and width of the sign cabinet's skirt, or bottom reveal.

NOTE: The square end shape designation (4150.1 Series) is not actually a decorative end shape but is used to describe a PolySign without end shapes.

**Optional Foundation Forms**

Fiberglass End Forms are available for forming 8" or 12" deep concrete bases to match end shapes of sign module. Length of forms is 48". Forms are reusable if care is taken in dismantling. Single forms may be cut into multiple sections if shorter lengths are adequate.

**Graphic Application Options**

- Permanent Intaglio
- Semi-permanent surface applied PSV's.

**Typstyles, Arrows & Symbols**

See Section 5 of Technical Binder for standard selections.

**Custom Graphics**

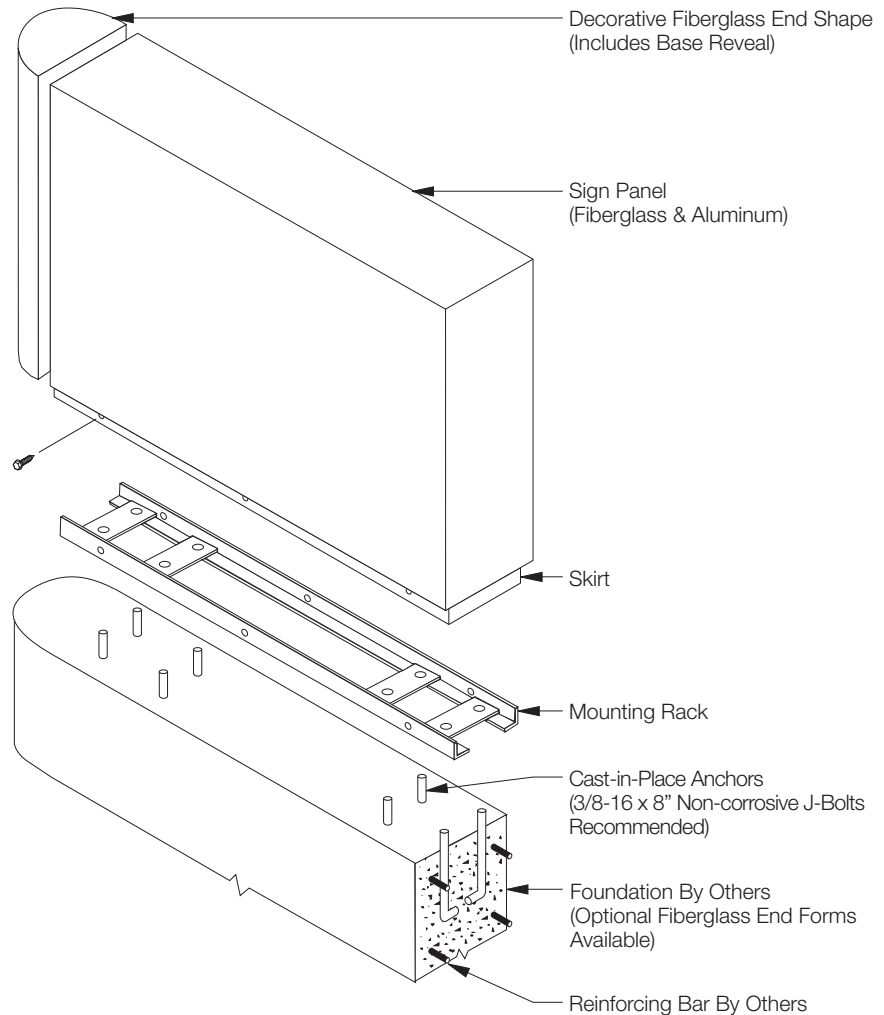
Logos, custom symbols, etc. can be reproduced via computer from customer's camera ready art.

**Module Finishes/Colors**

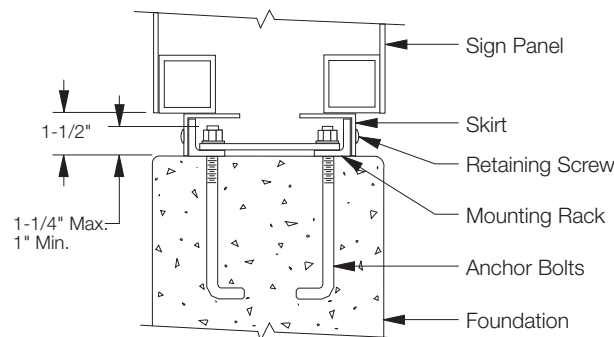
See Section 5 of Technical Binder for standard selections.

**Windload Ratings**

When properly installed, Single Panel products meet minimum 120 mph windload requirements.



**Anchor Detail**





**4150.1M Square Base Mount (Monolith)**

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Overall Depth:	12"
Panel Depth:	12"
Supports:	Concrete based formed in place by others
Panel Size Range:	36" x 48" to 60" x 72" (12" Module) 48" x 36" to 72" x 60" (12" Pylon)

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**4150.1M Base Mount with End Shapes**

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Overall Depth:	12"
Panel Depth:	12"
End Shape Selection:	Radius or Contour
Supports:	Concrete based formed in place by others
Panel Size Range:	36" x 48" to 60" x 72"

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Optional Radius and Contour End Forms for Concrete Bases (Maximum 4' Height)  
12 CRF- 12" Radius  
12 CCF- 12" Contour

**Product Description**

4160 Series PolySign is a flat sheet panel which may be used as post mount or wall mount. It is constructed of 1/8" thick aluminum plate for post mount, and 3/16" thick Polycarbonate sheet for surface mount. The Polycarbonate is designed for exterior use and has the same excellent properties as the other PolySign products. The material does not require complicated mounting hardware and is rugged and durable. It is weather, chemical, and water resistant.

**Mounting Techniques**

**4160.1 Post Mounted**

Panels may be mounted to a single 2" or 4" post. An extruded aluminum key is permanently fixed on the back of the aluminum panel. Key slides into the slot in the post. The post cap is attached and prevents the panel from being removed. As a standard, support posts are implanted directly into the earth as shown. An optional Grade Mount Method provides a welded aluminum plate at the end of the post and attaches directly to the mounting surface.

**4160.3 Wall Mounted**

Panels may be mounted using Vinyl Tape (VT), supplemented with Silicone Adhesive (SA) or mechanically fastened using conventional fasteners.

**Graphic Application Options**

- Permanent Intaglio
- Semi-permanent surface applied PSV's.

**Typstyles, Arrows & Symbols**

See Section 5 of Technical Binder for standard selections.

**Custom Graphics**

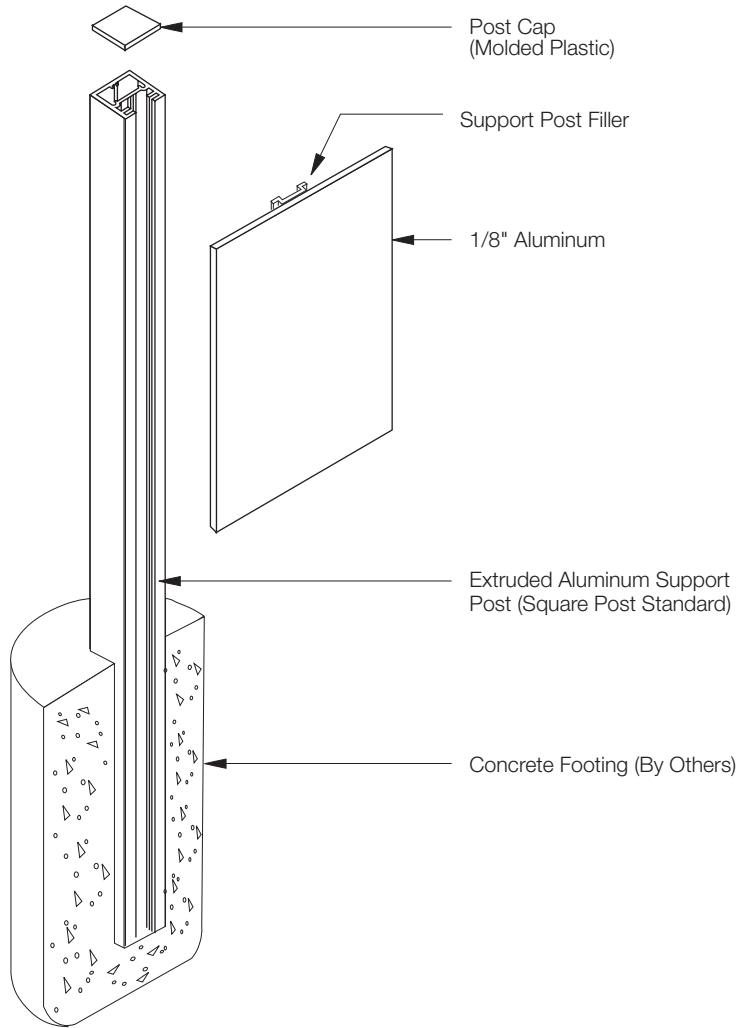
Logos, custom symbols, etc. can be reproduced via computer from customer's camera ready art.

**Module Finishes/Colors**

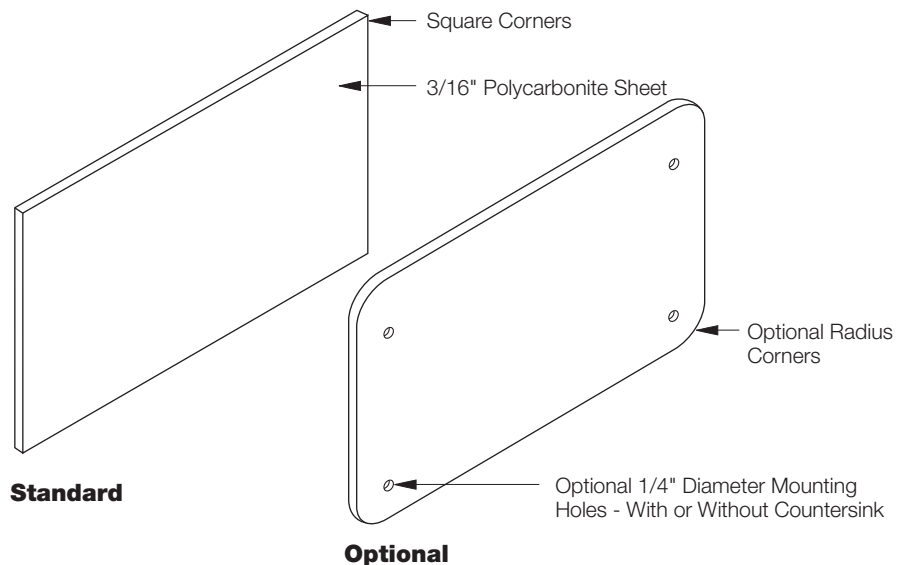
See Section 5 of Technical Binder for standard selections.

**Windload Ratings**

When properly installed, Single Panel products meet minimum 120 mph windload requirements.



**Partial Exploded View**



**Standard**

**Optional**



**4160.1 Flat Sheet Post Mount**

Overall Depth:	2 1/8"
Panel Depth:	1/8"
Post Shape Selection:	2": Square (Standard) 2": Radius, Contour (Optional) 4": Square (Optional) 4": Radius, Contour, Octagonal, Circular (Optional)
Supports:	1 Post
Panel Size Range:	12" x 12" to 36" x 24"
Panel Corner Shapes:	Square (Standard) Radius** (Optional)

\*\* Radius corners available with 1", 2" or 3" radii.



**4160.1 Flat Sheet Wall Mount**

Overall Depth:	3/16"
Panel Depth:	3/16"
Supports:	Bored Holes Provided (2 Min.)*
Panel Size Range:	12" x 12" to 48" x 72"
Panel Corner Shapes:	Square (Standard) Radius ** (Optional)

\* Available also: Countersunk holes, Custom mounting (Consult Factory)

\*\* Radius corners available with 1", 2" or 3" radii.

## 4170 Series - Overhead Panel

### Product Description

- Overhead ceiling mount panel
- Interior or exterior application

### Product Construction

- Monolithic FRP panel, 1 1/4" thickness
- Open frame along top of panel serves as track for mounting

### Mounting Options

#### Cable Mount

- Includes cable and crimps
- Wire rope cable (1/16" diameter, 1/8" optional) (Type 316 stainless steel) (7x7 strand core, breaking strength 360lbs.)

#### Threaded Rod Mount

- Includes threaded rod (1/4" diameter Stainless Steel)
- Adjustable threaded inserts in top "track" of panel

#### Decorative Sleeves

- Decorative round sleeves to fit over cable or threaded rod

### Graphic Application Options

- Permanent Intaglio
- Semi-permanent surface applied PSV's.

### Typesets, Arrows & Symbols

See Section 5 of Technical Binder for standard selections.

### Custom Graphics

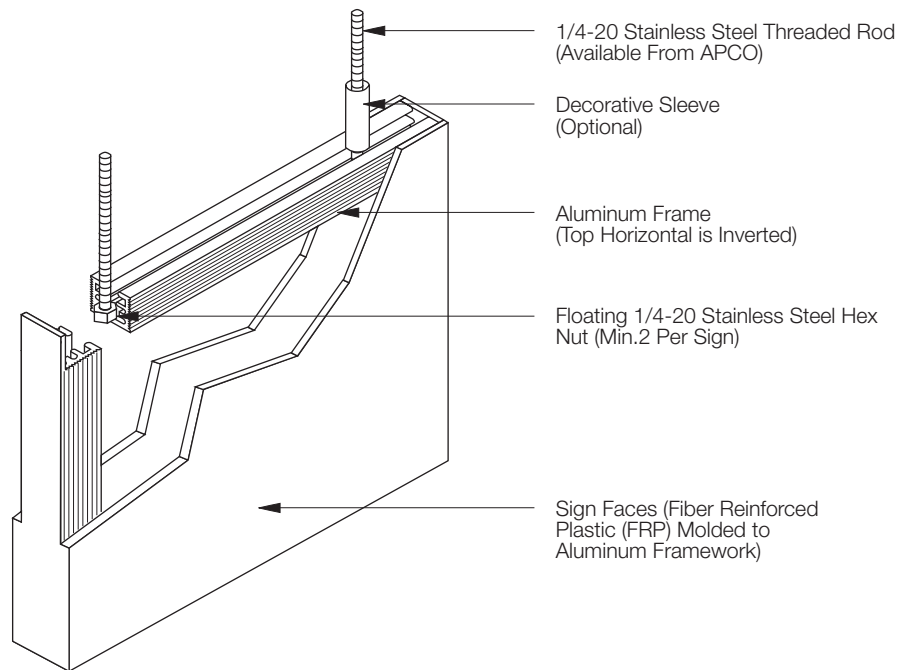
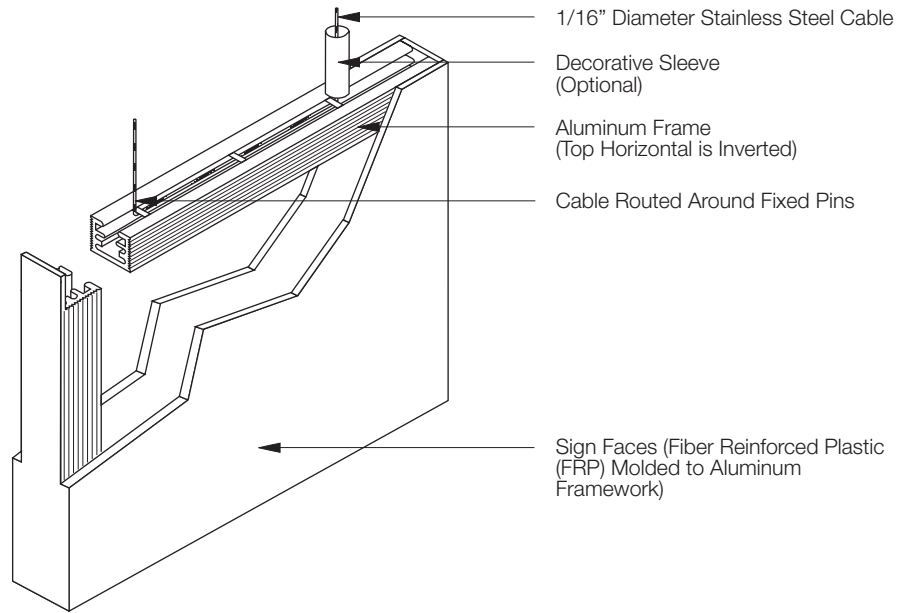
Logos, custom symbols, etc. can be reproduced via computer from customer's camera ready art.

### Module Finishes/Colors

See Section 5 of Technical Binder for standard selections.

### Mounting Techniques

Attachment of cable or threaded rod, to overhead structure, is coordinated by the installer. Attachment hardware and mounting method is by others.





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## 4170.4 Overhead Panel

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Overall Depth:	1 1/4"
Panel Depth:	1 1/4"
Supports:	Aircraft Cable or Threaded Rod (with or without decorative sleeves). Consult Factory for details.
Panel Size Range:	6" x 24" to 24" x 96"

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## Standard Sizes & Estimated Weights



### 2" & 4" Thick Panel - 4110.1 & 4110.2 Double Post & Double Companion Post

Panel Size	Post Length	4110.1		4110.2		4110.1 (CP)		4110.2 (CP)	
		2"	4"	2"	4"	2"	4"	2"	4"
12 x 24	6'	26	43	45	71	27	44	47	73
12 x 36	6'	30	49	48	76	31	52	50	79
18 x 24	6'	29	49	46	73	31	52	48	76
18 x 36	6'	35	56	52	80	36	59	54	83
18 x 48	6'	39	63	57	87	41	66	59	90
24 x 24	6'	33	55	49	75	35	57	50	78
24 x 36	6'	40	63	55	86	42	66	57	87
24 x 48	6'	46	72	61	92	48	75	63	95
30 x 24	8'	42	69	63	99	44	72	66	103
30 x 30	8'	46	74	67	104	48	77	69	108
30 x 36	8'	50	79	71	109	52	82	74	114
30 x 48	8'	57	89	78	119	60	93	81	124
30 x 60	8'	65	98	86	129	68	103	89	134
36 x 18	8'	42	69	61	96	43	72	63	99
36 x 24	8'	46	74	65	102	48	77	67	105
36 x 36	8'	55	85	74	113	57	90	77	117
36 x 48	8'	64	97	83	124	67	102	86	129
36 x 72	8'	82	120	100	147	na	na	na	na
48 x 24	8'	53	85	68	106	56	89	72	112
48 x 36	8'	65	99	80	120	68	105	83	125
48 x 48	10'	81	123	104	157	85	128	108	163
48 x 60	10'	93	137	116	171	97	144	120	177
48 x 72	10'	104	152	127	185	na	na	na	na
48 x 96	10'	na	180	na	215	na	na	na	na
60 x 30	8'	68	105	79	118	na	na	na	na
60 x 36	8'	75	113	86	127	na	na	na	na
60 x 60	10'	108	157	127	184	na	na	na	na
60 x 72	10'	na	174	na	202	na	na	na	na
72 x 36	10'	90	136	106	156	na	na	na	na
72 x 72	10'	na	198	na	217	na	na	na	na
96 x 48	12'	na	199	na	220	na	na	na	na
120 x 48	14'	na	241	na	262	na	na	na	na



**8" Thick Panel - 4110.1 & 4110.2**  
**Double Post & Double Companion Post**

Panel Size	Post Length	4110.1M	4110.1RP	4110.2M	4110.2RP
36 x 72	8'	197	216	255	283
48 x 48	10'	216	225	287	306
48 x 72	10'	246	266	318	346
48 x 96	10'	277	306	350	387
48 x 120	10'	na	346	na	426
60 x 96	11'	na	352	na	432
60 x 120	11'	na	398	na	478
60 x 144	11'	na	444	na	524
72 x 72	12'	na	345	na	425
72 x 96	12'	na	397	na	478
72 x 120	12'	na	450	na	530
72 x 144	12'	na	505	na	585
96 x 48	12'	332	340	376	395
120 x 48	14'	na	410	na	460
120 x 60	14'	na	445	na	500
120 x 72	14'	na	485	na	540
144 x 60	16'	na	520	na	575
144 x 72	16'	na	565	na	620

## Standard Sizes & Estimated Weights



### 2" Thick Panel - 4130.1 & 4130.2 Single Post & Single Companion Post

Panel Size	Post Length	2" Panel 4130.1	2" Panel 4130.2
12 x 12	8'	17	28
18 x 12	8'	19	30
18 x 18	8'	22	31
24 x 12	8'	22	30
24 x 18	8'	25	32
24 x 24	8'	28	36
36 x 18	8'	31	35
36 x 24	8'	36	39

All H" x W" dimensions are in inches.  
All Weights are in Pounds.



**2" & 6" Thick Panel - 4140.1 & 4140.2RP**  
**Surface Mount**

**Series 4140.1**  
**2" Thick Surface Mount (Open Back)**

Height	Width											
	12"	18"	24"	30"	36"	48"	60"	72"	96"	120"	144"	
12"	4	5	7	8	10	13	15	18	24	29	35	
18"	7	8	9	10	12	16	19	23	30	37	44	
24"	6	8	10	12	15	19	23	27	35	44	52	
30"	8	10	12	15	17	22	27	31	41	51	60	
36"	9	11	14	17	19	25	30	36	47	58	69	
48"	11	14	18	21	25	32	38	45	58	72	85	
60"	14	17	21	25	30	37	45	54	70	86	102	
72"	na	na	25	30	34	44	53	63	81	100	119	
96"	na	na	27	32	44	56	68	80	na	na	na	
120"	na	na	na	na	54	69	83	98	na	na	na	
144"	na	na	na	na	64	81	98	115	na	na	na	

**Series 4140.1 (CP)**  
**2" Thick Surface Mount Curved Panel (Open Back)**

Height	Width			
	24"	36"	48"	60"
12"	9	11	13	21
18"	12	17	22	27
24"	14	20	26	32
30"	17	24	31	37
36"	20	27	35	43
48"	25	35	44	53

**Series 4140.2RP**  
**6-1/2" Thick Surface Mount with End Shapes**

Height	Width						
	36"	48"	60"	72"	96"	120"	144"
36"	50	61	72	83	105	127	149
48"	61	74	86	99	125	150	176
60"	72	86	101	116	145	174	203
72"	83	99	116	132	165	198	230

All H" x W" dimensions are in inches.  
All Weights are in Pounds.

## Standard Sizes & Estimated Weights



### 12" Thick Panel - 4150.1 & 4150.2 Base Mount

Panel Size	4150.1M	4150.2M	4150.1RP	4150.2RP
<b>36 x 48</b>	117	132	117	140
<b>36 x 72</b>	125	148	160	185
<b>36 x 96</b>	155	178	205	230
<b>36 x 120</b>	186	208	250	270
<b>48 x 72</b>	150	180	185	215
<b>48 x 96</b>	186	216	235	265
<b>48 x 120</b>	223	253	285	315
<b>48 x 144</b>	na	na	335	365
<b>60 x 72</b>	176	214	210	250
<b>60 x 96</b>	na	na	265	305
<b>60 x 120</b>	na	na	320	360
<b>60 x 144</b>	na	na	375	415
<b>72 x 72</b>	na	na	235	285
<b>72 x 96</b>	na	na	300	340
<b>72 x 120</b>	na	na	355	400
<b>96 x 48</b>	na	na	220	280
<b>96 x 72</b>	na	na	290	350
<b>120 x 72</b>	na	na	340	415

All H" x W" dimensions are in inches.  
All Weights are in Pounds.



## 1/8" Thick Panel - 4160.1

### Single Post

Panel Size	Post Length	Estimated Weight
12 x 12	8'	10.8
12 x 18	8'	11.4
12 x 24	8'	12
18 x 12	8'	11.4
18 x 18	8'	12.3
18 x 24	8'	13.2
24 x 18	8'	13.2
24 x 24	8'	14.4
36 x 18	8'	15
36 x 24	8'	16.8



## 3/16" Thick Panel - 4160.3

### Surface Mount Flat Sheet

Panel Size	Estimated Weight
12 x 12	1.2
12 x 18	1.8
12 x 24	2.4
12 x 36	3.6
12 x 48	4.8
18 x 12	1.8
18 x 18	2.7
18 x 24	3.6
18 x 36	5.4
18 x 48	7.2
24 x 18	3.6
24 x 24	4.8
24 x 36	7.2
24 x 48	9.6
30 x 24	6
30 x 30	7.5
30 x 36	9
30 x 48	12
30 x 60	15
36 x 18	5.4
36 x 24	7.2
36 x 36	11
36 x 48	14.5
36 x 60	18
36 x 72	22
48 x 24	9.6
48 x 36	14.4
48 x 48	19
48 x 60	24
48 x 72	29

All H" x W" dimensions are in inches.  
All Weights are in Pounds.