

# PolySign™ Single Panel Series

## Non-Illuminated Fiberglass



## Assembly & Installation



4170.4  
Overhead  
Panel

### Handling

When handling overhead PolySigns, a safe installation may require the assistance of multiple persons. Assure that there are others available to accomplish this before removing the sign from its shipping container. Lay sign panel on a smooth surface. It is preferable to use furniture pads, carpet or even the corrugated board which is found within the shipping crate.

IT IS SUGGESTED THAT YOU NOT REMOVE THE PROTECTIVE WRAPPINGS UNTIL INSTALLATION IS COMPLETE. THIS WILL HELP AVOID DAMAGE TO THE OUTER SURFACES WHILE HANDLING. HOWEVER, IF IT IS NECESSARY TO STORE SIGN OUTSIDE, EXPOSED TO THE ELEMENTS, THIS MATERIAL MUST FIRST BE REMOVED.

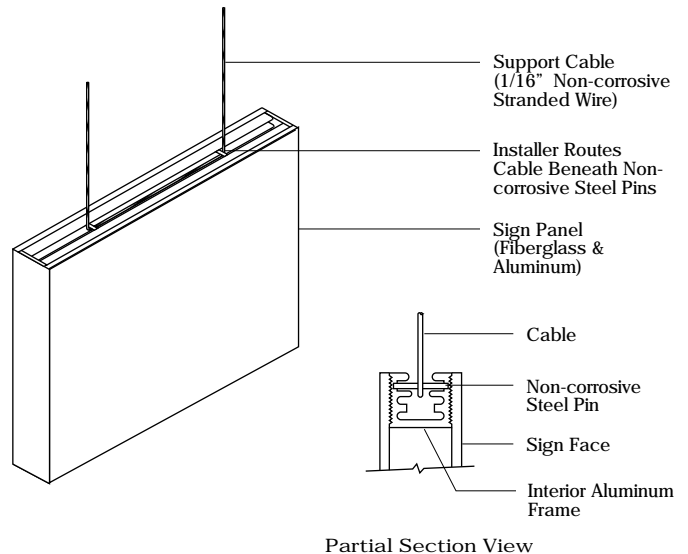
The following general information will be helpful, but it is not meant to cover all possible conditions and situations that may occur.

### Assembly - Cable Mounted

The top edge of the Overhead Panel PolySign is an open slot with non-corrosive pins permanently affixed within. Support cable from APCO is 1/16" diameter, stranded stainless steel wire.

1. Route support cable around each pin in a continuous fashion. Allow an equal amount of cable to protrude from sign at each end.

The Overhead Panel is now ready for installation.



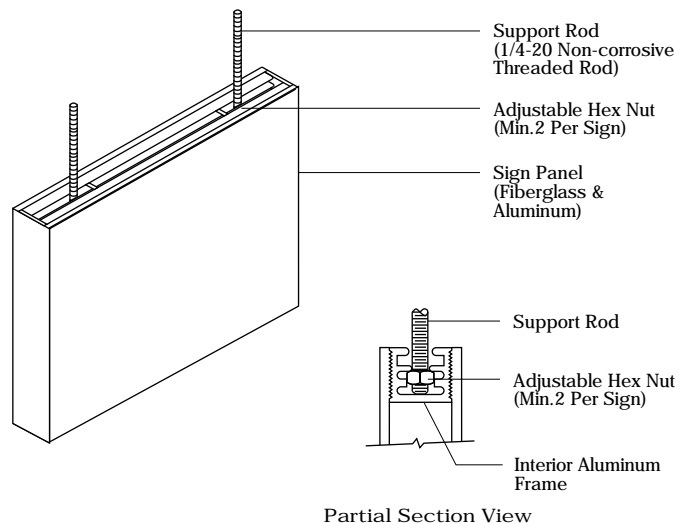
### Assembly - Rod Mounted

The top edge of the Overhead Panel PolySign is an open slot with non-corrosive hex nuts retained within. Nuts "float" left and right but are not removable.

1. Thread support rods into hex nuts. Adjust their positions so that the rods align with the desired overhead mounting locations and tighten.

Important: A minimum of two support rods should be used for each sign.

The Overhead Panel is now ready for installation.



# PolySign<sup>T</sup> Single Panel Series Non-Illuminated Fiberglass



## Assembly & Installation

### Installation - Cable Mounted

It is recommended that the PolySign be positioned so that attachment is made to above-ceiling structural members.

#### Acoustical Ceilings:

1. Transfer the position of each cable onto the mounting surface and carefully drill 1/8" diameter clearance holes.
2. Insert cable into holes in ceiling tile(s).
3. Through adjacent ceiling tile, attach cable securely to any "above-ceiling" structural member (ie. joist, beam, etc.).

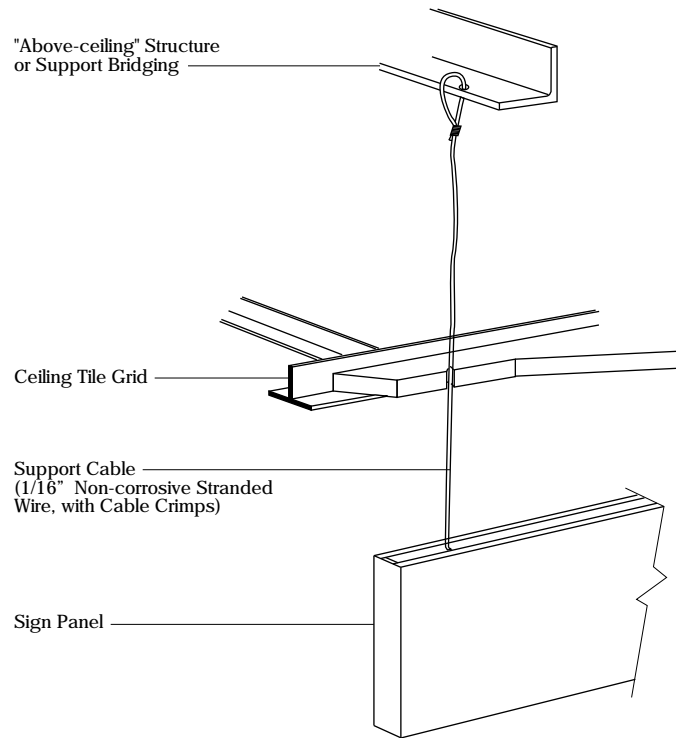
Important: Do not fasten support cable to existing pipes, conduits, or any utility lines or hangers. For a safe installation, a cable crimp tool should be used to install all cable crimps.

#### Dry Wall Ceilings:

1. Transfer the position of each cable onto the mounting surface.
2. At each location marked, drill proper clearance holes to fit a 1/4" diameter toggle and eye bolt combination.
3. Install toggle bolt per manufacturer's suggestions.
4. Feed cable end through eye bolt, adjusting height and leveling sign panel as necessary. Attach cable securely to eye bolts using proper cable crimps and crimping tool.

#### Open Ceilings:

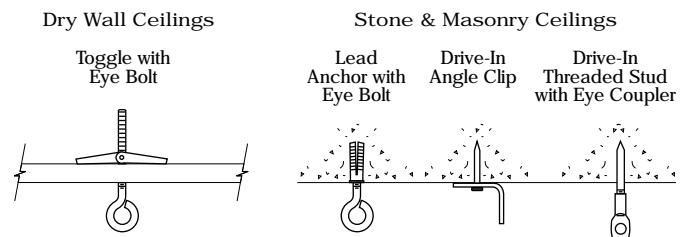
Often times, support bridging between overhead structures (i.e. joists, beams, etc.) is required to provide a mounting surface that will align plumb with the PolySign's support cables. This support bridging is not included.



### Fastener Suggestions

Hardware for attaching the Overhead version of PolySign directly to the mounting structure is not included and should be specified by qualified persons based upon local codes, regulations, etc. Consideration must be given to conditions unique to each mounting structure.

APCO accepts no responsibility for installation unless performed by APCO. The illustration and details included are intended as suggestions only.



# PolySign<sup>T</sup> Single Panel Series Non-Illuminated Fiberglass



## Assembly & Installation

### Installation - Rod Mounted

It is recommended that the PolySign be positioned so that attachment is made to above-ceiling structural members.

#### Acoustical Ceilings:

1. Transfer the position of each threaded rod onto the mounting surface and carefully drill 3/8" diameter clearance holes.
2. Insert rod ends into holes in ceiling tile(s).
3. Through adjacent ceiling tile, position mounting angles over rods and secure with lockwashers and wing nuts provided.
4. Attach safety cable securely to any "above-ceiling" structural member (ie. joist, beam, etc.).

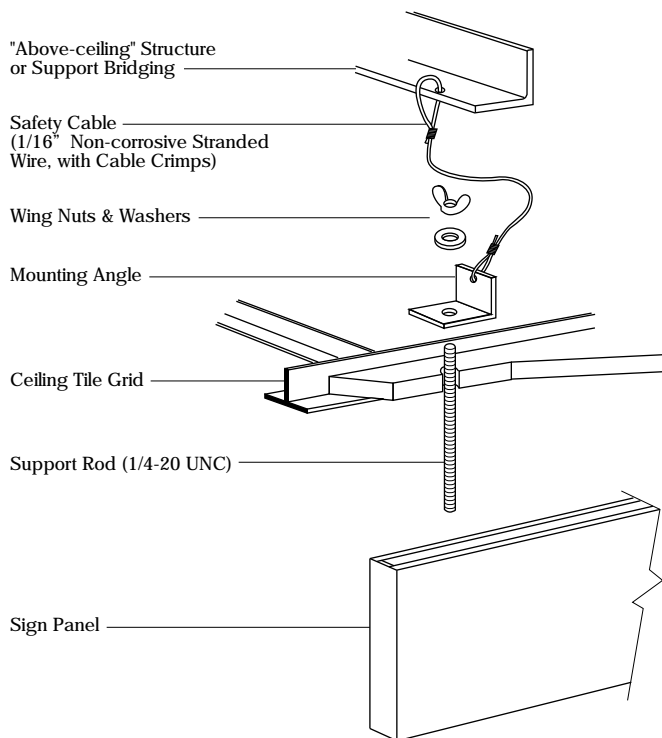
**Important:** Do not fasten safety cable to existing pipes, conduits, or any utility lines or hangers. For a safe installation, a cable crimp tool should be used to install all cable crimps.

#### Dry Wall Ceilings:

1. Using a 1/4" diameter toggle bolt, remove the toggle and thread it onto one end of the support rod. Repeat for remaining rod(s).
2. Transfer the position of each support rod onto the mounting surface and drill proper clearance holes to fit the toggle.
3. Adjust the toggle to fit the desired exposed rod length. Be sure to include the thickness of the overhead dry wall.
4. Insert threaded rod and toggle into mounting holes. Allow the sign's weight to expand the toggles. Check for level and adjust as required.

#### Open Ceilings:

Often times, support bridging between overhead structures (i.e. joists, beams, etc.) is required to provide a mounting surface that will align plumb with the PolySign's support rods. When the height of the mounting surface exceeds a single rod, threaded couplings can be used to join multiple pieces. Support bridging, couplings and attachment hardware is not included.

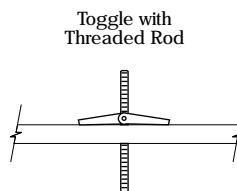


### Fastener Suggestions

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#### Dry Wall Ceilings



#### Stone & Masonry Ceilings

*Custom Mounting By  
Qualified Persons*

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# PolySignT Single Panel Series

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## Assembly & Installation

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### Contractor Notice

Because of widely varying site conditions, installation techniques must be determined on an individual basis. While shop drawings may offer suggestions for mounting the PolySign, it should be understood that common sense, caution and care are factors which cannot be built into any product. These factors must be considered by the actual person(s) installing the product.

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### Additional Information:

Should you encounter any problems whatsoever with installation, call (404) 688-9000 for technical assistance.