

## Conoco Apex Flag Sign, Highwind for Square or Round Column Installation Guide

Please verify the specifications of your site before beginning. Contact LSI Customer Service at 1-800-231-0129 for installation support.

Read through all of the instructions prior to beginning installation, and verify (using the packing list) that all parts have been received and are in good condition.

### Customer Service

Phone No. : 800-231-0129

Address: 14902 Sommermeyer Street, Ste. 120

Houston, TX 77041

### Thomas Thompson, Field Service

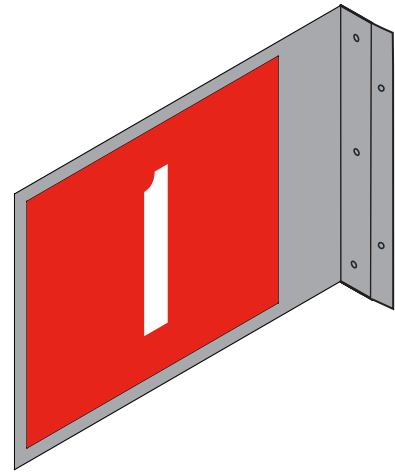
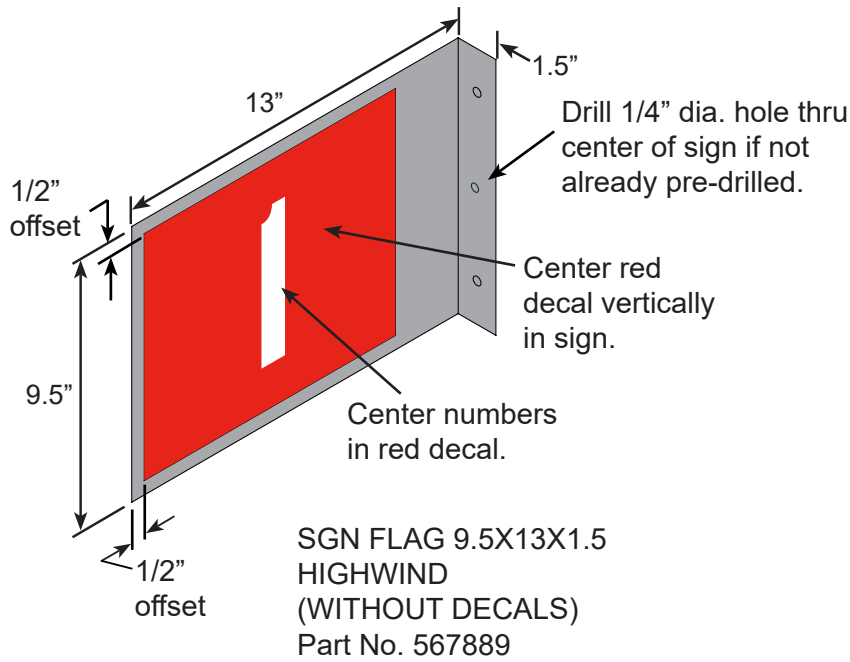
Phone No. : 713-744-4135

Email: [Thomas.Thompson@lsi-industries.com](mailto:Thomas.Thompson@lsi-industries.com)

LSI part number of this installation guide is 768937.



## Parts



SGN FLAG 9.5X13X1.5  
HIGHWIND (ROUND COLUMN)  
(WITHOUT DECALS)  
Part No. XXXXXX

(Below) Blade Sign Number Set 1-12 (2 OF EACH), Part No. 588906



(Below) Blade Sign Number Set 13-21 (2 OF EACH), Part No. 588904



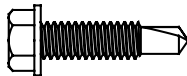
(Below) Blade Sign Number Set 22-30 (2 OF EACH), Part No. 588903



SCR DRILL TEK4 #12X7/8

Part No. 239724

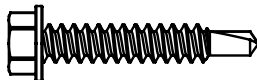
(For < 3/8" steel column wall thickness)



SCR DRILL TEK5 #12-24X1-1/4

Part No. 716424

(For > 1/2" steel column wall thickness)



WSHR F/W 1/4 .285  
IDX.625OD  
Part No. 240961



EXTERNAL TOOTH  
LOCK WASHER

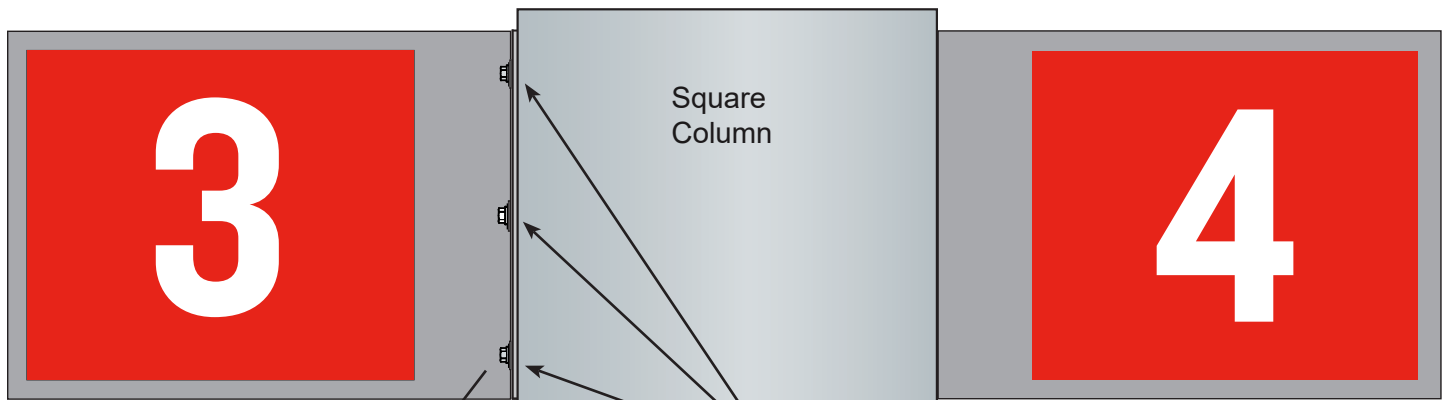


# Flag Sign Installation

**Installer is responsible to determine if provided fasteners are adequate for site specific task before installing any flag signs. If alternate fasteners are required, installer is to source prior to any installation.**

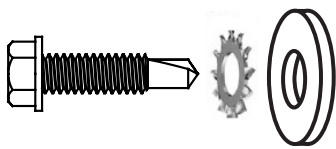
Flag signs are installed 10'-6"  $\pm$  1" off the ground at the column (9'-8" minimum if obstruction above forces sign down). They shall be centered on the column to which they are attached. Each sign is installed with hex washer head self-drilling screws provided (installer to provide fasteners for special situations, e.g., masonry column). The sign must be positioned on the pole so the customer and store employee can see it. Mark and drill 3/16" dia. or #8 drill bit pilot holes. **DO NOT USE EXISTING HOLES** (to prevent stripping from wind vibration). Assess column wall thickness, and choose correct screw length from parts list. Use one washer (.285" ID X .625" O.D.), one external tooth lock washer and one screw Tek 4 #12 x 7/8" (steel column wall up to 3/8") or Tek 4 or 5 #12 x 1-1/4" (wall thicker than 1/2") in each hole. **MAKE SURE SCREWS ARE TIGHT WITHOUT OVERTORQUING.**

Verify all numbers and orientation/placement prior to fabrication using numbers from decal sheet provided. For application of number decals, refer to 3M product bulletin IF 1.5 for hand application of vinyl film.

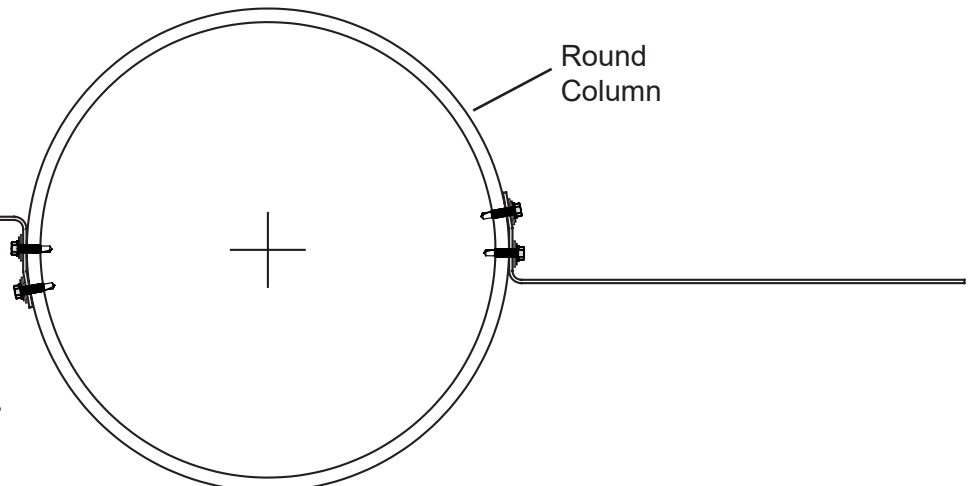


(Above) Sign for square column

Mark and drill pilot holes. Do not use existing holes (to prevent stripping from wind vibration). Assess column wall thickness, and choose correct screw length from parts list. Attach flag sign with fender washer, external tooth lock washer and #12 Hex washer head self-cutting screw, 3 places (see directions above).



(Right) Sign for round column. Use five sets of screw, fender washer and ext tooth lock washer for each sign on curved column.



# Fastener Recommendations

LSI is not liable for alternate fasteners and substrate. It is the responsibility of the installer to verify the adequacy of the substrate and provide the proper fasteners for attachment.

- For solid wood, use lag screws or wood screws.
- For particle board, drywall, or stucco, use expanding shields and self-tapping screws.
- For brick or concrete, use a masonry shield and self-tapping screws.
- For light gauge sheet metal column wraps, a rivnut or similar threaded clinch nut is recommended, with 1/4-20 hex washer head machine screws.
- For Exterior Insulation Finishing System (EIFS), contact manufacturer for recommendations on attachment.
- For plastic column wraps, additional structure may be required to support these flag signs. Contact column cladding manufacturer for recommendations.
- For stone or other irregular surfaces, the flag signs are not recommended.

The wind load of these signs is roughly 1 sq. ft. At a nominal wind speed of 115 mph, the force applied is 30 to 35 pounds. Load for higher wind will increase with the square of wind speed.

