

cinchTARP

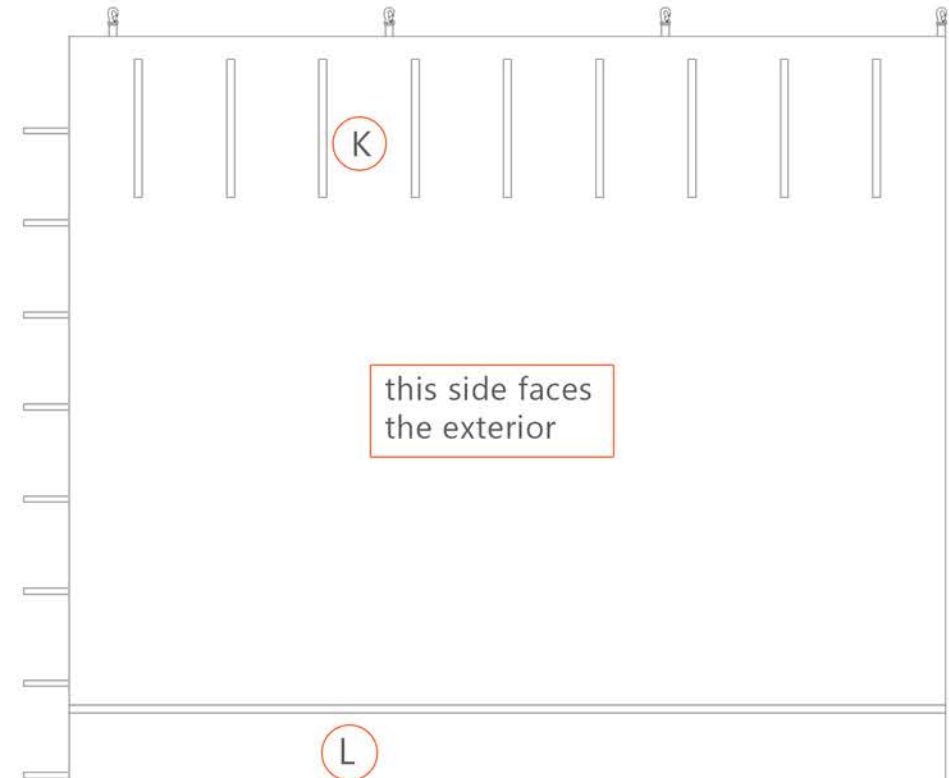
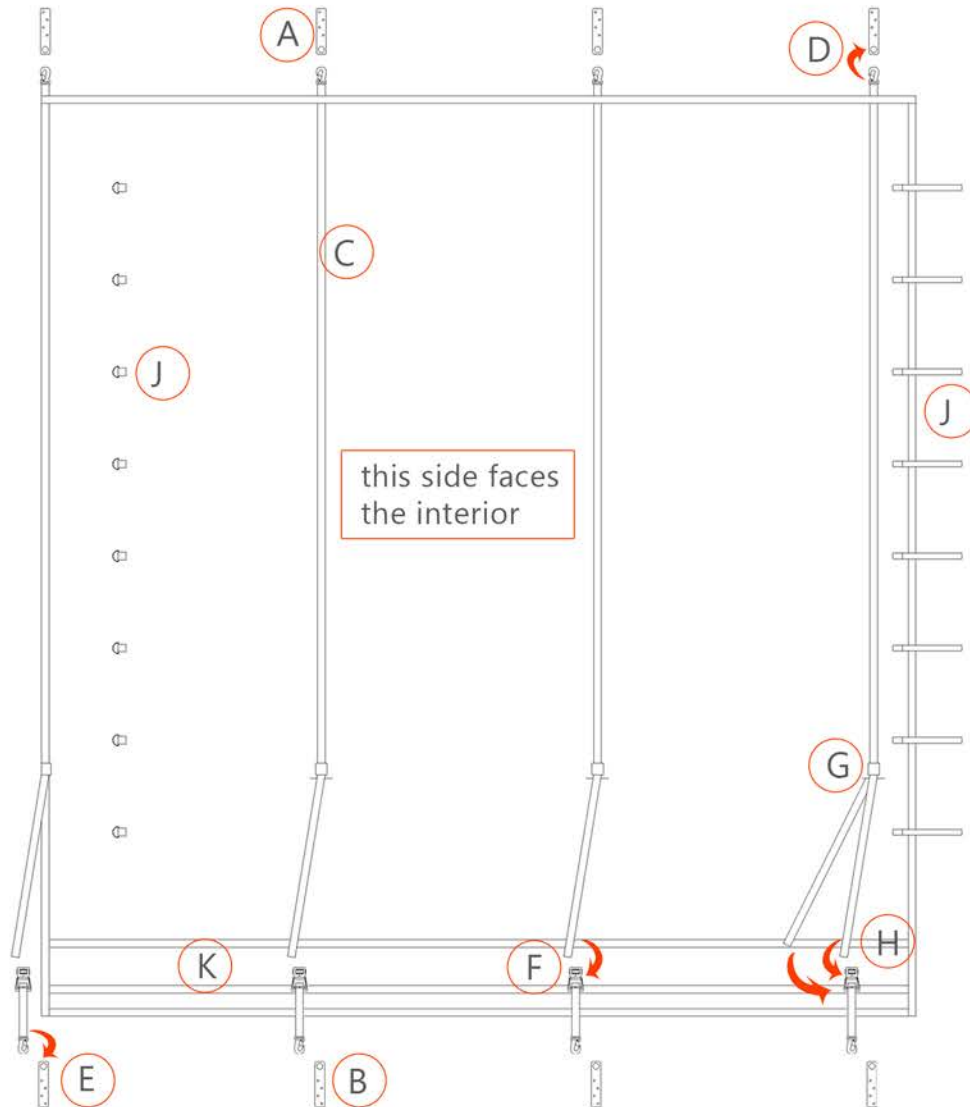
construction containment system

# Installation Manual



**HIGHLAND**  
safety systems

## system components



- A&B. steel attachment plates
- C. 2" nylon webbing
- D. upper steel clips attach to upper attachment plates
- E. strap with steel ratchet and clip clips to lower attachment plates
- F. nylon straps attach to ratchet and tightened
- G. nylon straps feed through reinforced slit as necessary
- H. two nylon straps attach to ratchet where tarps overlap
- J. side nylon straps attach adjacent tarps to secure horizontal overlap
- K. hook and loop tape secures vertical overlap
- L. reinforcement strap

## notes

For any questions or clarification regarding this or any other Highland Safety Systems engineered product, please don't hesitate to contact us at info@highlandsystems.com or 1.855.591.7272.

The Highland cinch TARP must be installed according to the following instructions.

## the job site

Any unsafe or hazardous conditions at the site of the cinch TARP system install must be identified and reported at the time they are identified.

Workers must be familiar with all applicable site restrictions.

## the worker

The cinch TARP must be installed by a properly trained installer.

Workers must be familiar with this manual in its entirety before commencing installation.

Workers must be familiar with and follow all labour and safety regulations that apply in the location of installation.

Workers must be tied off at all times when installing the Cinch TARP, unless approved construction safety guardrails have been installed.

Workers must not use the cinch TARP system as a means of fall protection.

## the Cinch TARP system

The cinch TARP system must not be modified in any manner.

The cinch TARP components must be inspected prior to each installation - those which are damaged or defective must be removed from service.

Damaged or defective cinch TARP components must only be returned to service once a qualified engineer has inspected them and certified that their capacity to perform to their documented standards has not been compromised in any way.

Objects or items must not be painted or otherwise attached to any component of the cinch TARP system, except where official engineered approval for such has been obtained.

Lifting, movement and placement of the cinch TARP system must be done in such a way as does not create a falling object hazard.

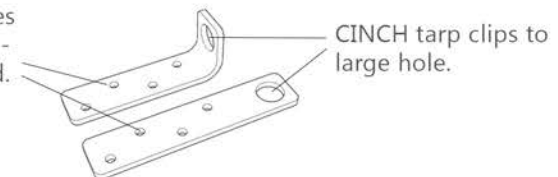
The cinch TARPs are heavy - proper lifting techniques must be used, and workers must never lift more than they can safely handle.

Installation of the cinch TARP system requires the use of power tools and lift equipment – their instructions and safety guidelines set must be followed.

## anchorage

The mounting brackets can be attached to the concrete floor or on a concrete wall. Depending on bracket location and size of tarp, brackets may be flat or bent:

4 anchor holes are provided - 2 will be used.

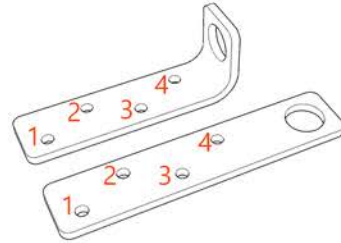


## anchorage continued

The TARP plate must be anchored with two 3/8" Ø X 2-1/8" Hilti Kwik HUS screw anchors in concrete cured to a minimum strength of 20.7 MPa (3002 psi). Hilti guidance must be followed.

The plate must be secured with anchors in non-neighbouring holes. The following screw anchor arrangements may be used:

- holes 1 and 3
- holes 1 and 4
- holes 2 and 4



Holes must be drilled using a 3/8" carbide-tipped masonry drill bit complying with ANSI B212.15-1994.

To ensure a proper fit, drilled holes must be cleared of dust with a pump dust blower.

Screws should be snug against the concrete surface but not over-tightened.

Power tools should be set to the lowest reasonable torque setting to prevent over-tightening.

## 4 simple steps

Please refer to the illustrations on page 2.

### 1. Attach the mounting brackets:

- Attach the cinch TARP mounting brackets every 6 feet along the slab edge at the top floor of the TARP to be installed (A on drawing). The large hole in the mounting brackets must protrude past the edge of the slab.
- Repeat the same on the floor below (B).

### 2. Attach the TARP to the top brackets:

- Lay out the TARP on the floor slab above the floor to be enclosed, leaving the TARP rolled up. The 2" strapping (C) must face the inside of the building.
- Snap the 4 upper clamps into the mounting brackets (D).
- Push the TARP over the edge of the floor slab.

### 3. Attach the TARP to the bottom brackets:

- On the floor below, clamp the straps to the lower floor mounting brackets (E).
- Using the ratchet set, tighten the cinch TARP so that it is snug (F). Do not over tighten.

### 4. Attach adjacent TARPs

- There must be a small amount of overlap between adjacent TARPs.
- In order to hoard varying widths, the edge of one TARP can overlap an adjacent TARP to varying degrees. Line up the last vertical strap of the overlapping TARP with any one of the vertical straps of the underlying TARP. The overlapping TARP's strap feeds through the slit in the underlying TARP (G). The two straps then clamp to the same shared bracket at the bottom (H).
- Once the TARPs are cinched snug, neighbouring TARPs are further attached to each other using the straps and cam buckles running down the outer edges every 2 feet (J).
- TARPs installed in vertical rows can also be attached to each other – the horizontal strips of velcro on the bottom of the interior of the upper cinch TARP (K) can be secured to the vertical strips of velcro on the top of the exterior of the cinch TARP (L) below it.

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# safe productivity at leading edge

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