



TENSION ENCLOSURE SYSTEM (T.E.S) INSTALLATION GUIDE

This guide is designed to provide standard procedures for using Tension Enclosure System (T.E.S) a temporary, general purpose hoarding system designed and engineered to provide durable and reliable enclosure/containment solutions.

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1. INTRODUCTION

Tension enclosure system (T.E.S) as it is called, is a temporary, general purpose hoarding system designed and engineered to provide durable and reliable enclosure/containment solutions. T.E.S can be easily installed to a scaffold structure and can be secured with our state-of-the-art connector system.

2. SAFETY AND RISK ASSESSMENT

Prior to installation, it is of paramount importance to thoroughly review the safety and risk assessment of the scaffolding design to ensure that the structure will withstand the additional forces caused by installing the enclosure system.

T.E.S is always attached to the top of the anchor system first and secured in a vertical manner, from top to bottom. Following steps should be followed while installing T.E.S to a scaffold.

- Consider the wind direction, work along the wind direction.
- Prepare panels for assembly. Stretch panels lengthwise, with male edge positioned at top to form anchor point. The female flap will always face to the right and bottom of each panel and has an additional flap attached to accommodate the male edge into the female edge (Fig. 1). Figure 2&5 represents male edge corner and Figure 3&4 represents female edge corner.
- Open female flap (Fig. 4 & 9) and insert male edge. Line up the grommets.
- Put top of female flap over male edge, to create an air seal. Insert connectors (Fig 6,7 & 8); always begin with top grommet and work towards bottom, in a vertical manner (Fig 10).

**Please note that T.E.S panels may be pre-assembled before shipping or can be pre-assembled in a suitable area on the job site. It may be more convenient to assemble, hoist and install in sections. Although assembled units are bulky, they are not heavy and can be installed manually or hoisted into position with help of a crane.

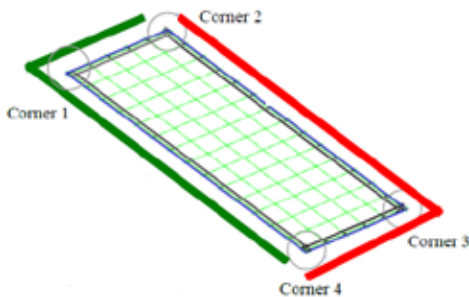


Figure 1. Tarp Layout

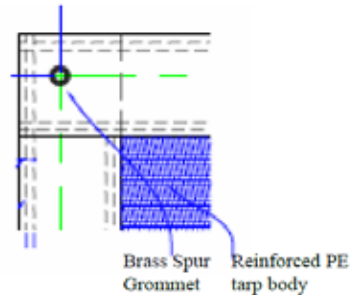


Figure 2. Male Top Edge detail of Corner 1

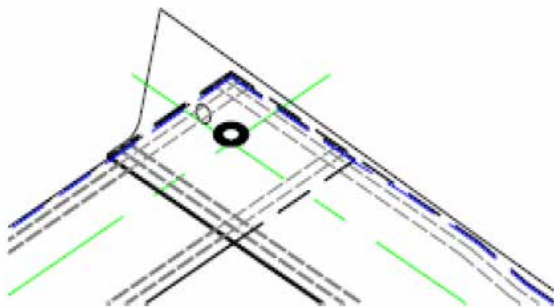


Figure 3. Female Top Edge, Corner 2 detail

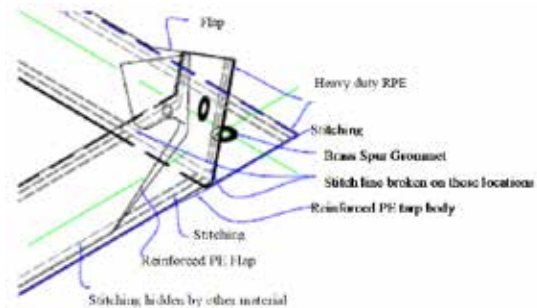


Figure 4. Female Bottom Edge, Corner 3 detail

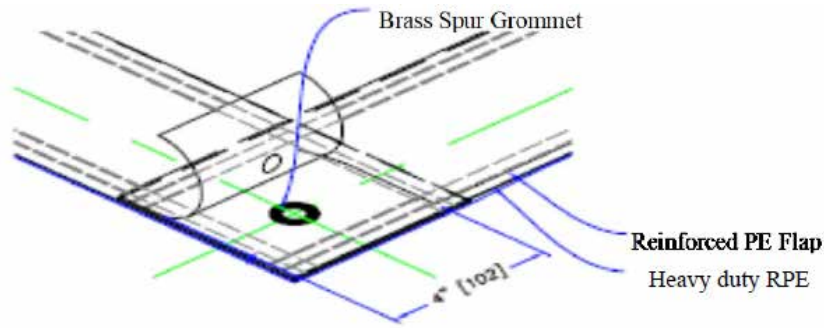


Figure 5. Corner 4 detail

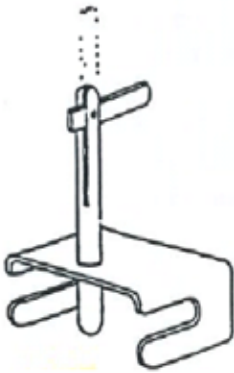


Figure 6. EC 101



Figure 7. EC 102



Figure 8. EC 104 (Strap)

3. CONNECTION WITH EC 101 CONNECTOR

Insert EC 101 through grommets (Fig. 9) with the toggle facing the installer. The female flap should form the top layer (over male edge) to create an air seal. Toggle to a 90 degree angle and repeat the process for the entire length of the panels.

Turn the joined panels over; insert a pre-cut anchor cable (3/8" or 5/16" wire rope or 1/2" rope is recommended) with an eye loop at top. Insert the cable behind center post of EC 101 connector (Fig. 10). To prevent the cable from slipping attach a Crosby Clip or equivalent to the top and bottom of first EC 101. When attaching another section repeat the above steps but do not insert anchor cable in outside panel as there will already be a cable on the previously installed panel.

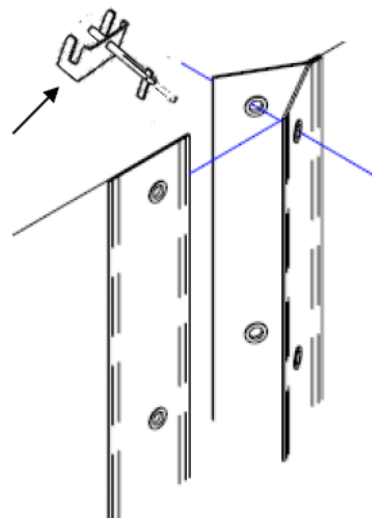


Figure 9. Male and Female edges before connection.



Figure 10. EC 101 and Cable connected to tarp.

4. CONNECTION WITH EC 102 AND EC 104 CONNECTOR

Due to increased wind load, additional anchors may be required. A EC-104 connector is a 2" wide strap with grommets on each side and one in the center of the strap. EC-104 connects to the TES and the scaffold with EC-102 toggle pins (Fig. 11,12&13) at the anchor points. Ensure that the EC-104 straps are installed to all the potential anchor points. High wind conditions may require additional EC 104 connectors.

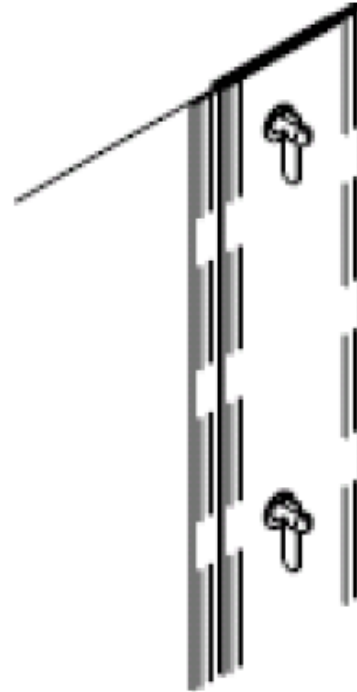
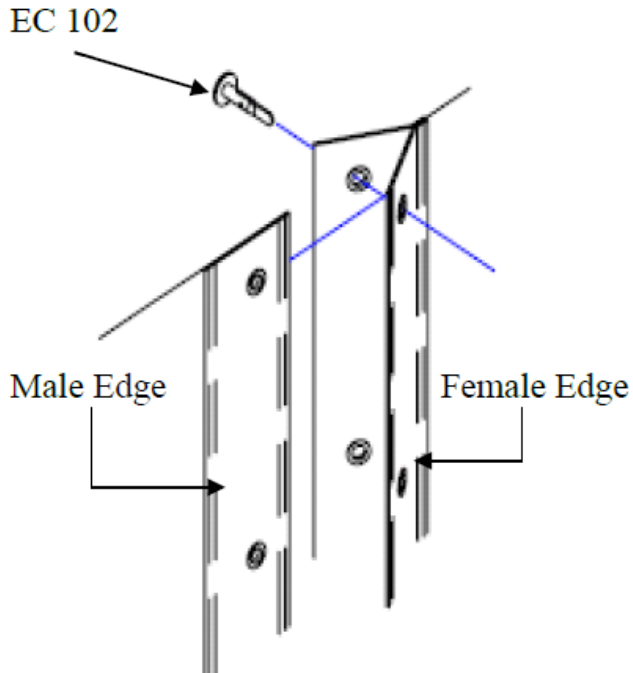


Figure 11. Male and Female edges before connection.

Figure 12. Sealed Connection

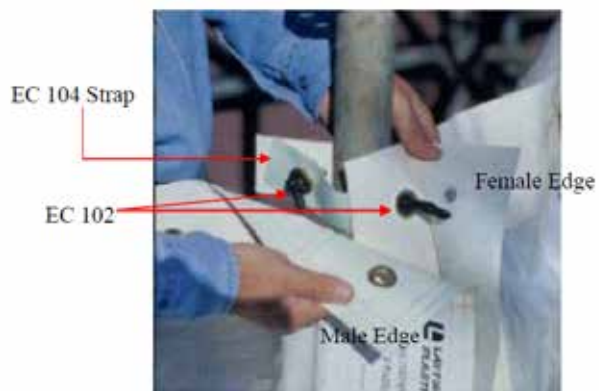


Figure 13. EC 102 and EC 104 secured to scaffold frame.

5. DISCLAIMER

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