

# BlastMat™ Electrical Arc Protection Blanket by Thermequip

**Light-Line** Blankets are designed to protect against plasma arc explosions. They are not rated for insulating against electrical shock

- Carabineer straps available for quick & easy installation by a single worker.
- Custom designed sizes & styles available.
- Hang blankets loosely and at least 8" from potential fault.
- Superior engineering created the lightest weight blanket available in the industry without compromising its effectiveness.
- In compliance with OSHA 29CFR Part 1910.269(t)(7) for manhole protection.

#### Attachment Straps W/Cam Buckle & 2 Carabineers:

Estex #TE-S-6LN 6' Light Nylon

Estex #TE-S-6HN 6' Heavy Nylon

Estex #TE-S-6K 6' Kevlar



Test dummy goes into vault.



One second after explosion...



No piercing of BlastMat.

With BlastMat

W/Out BlastMat



Testing was done in an above ground concrete containment identical to the underground bunkers used in major cities in the US. The connectors were shorted to simulate actual faults. The **Light-Line** blankets provided the needed protection.

Estex #TE-48-56 Light-Line Blanket 4'x5'

Estex #TE-48-96 Light-Line Blanket 4'x8'

Estex #TE-56-96 Light Line Blanket 5'x8'

Estex #TE-72-96 Light Line Blanket 6'x8'

Estex #TE-SET5696 Super Light-Line Blanket System Three 5'x8' Blankets

ESTEX



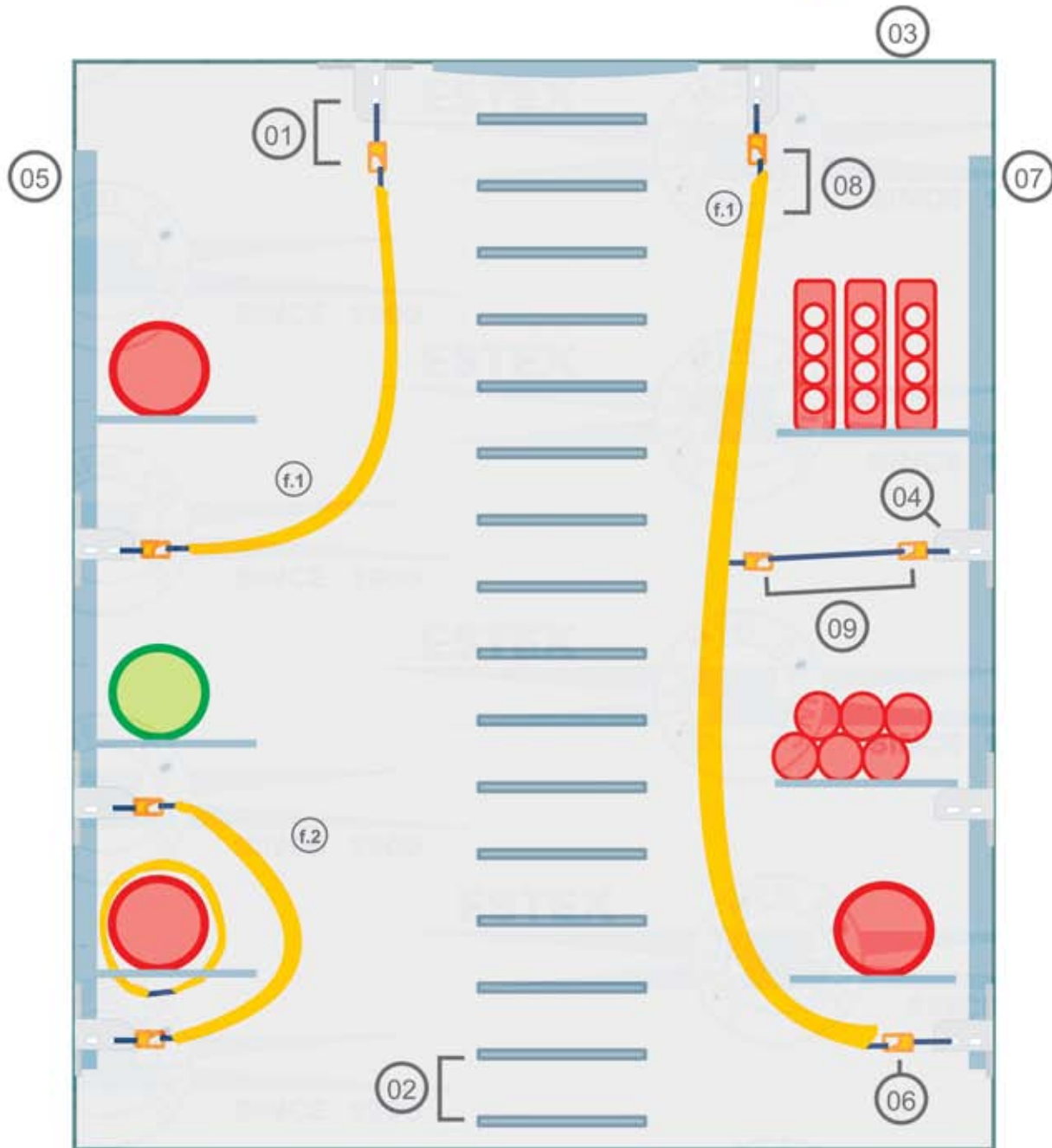
SINCE 1900

www.estexmfg.com

Toll Free: 1-800-749-1224

Phone: 770-964-3322

Fax: 770-964-7534



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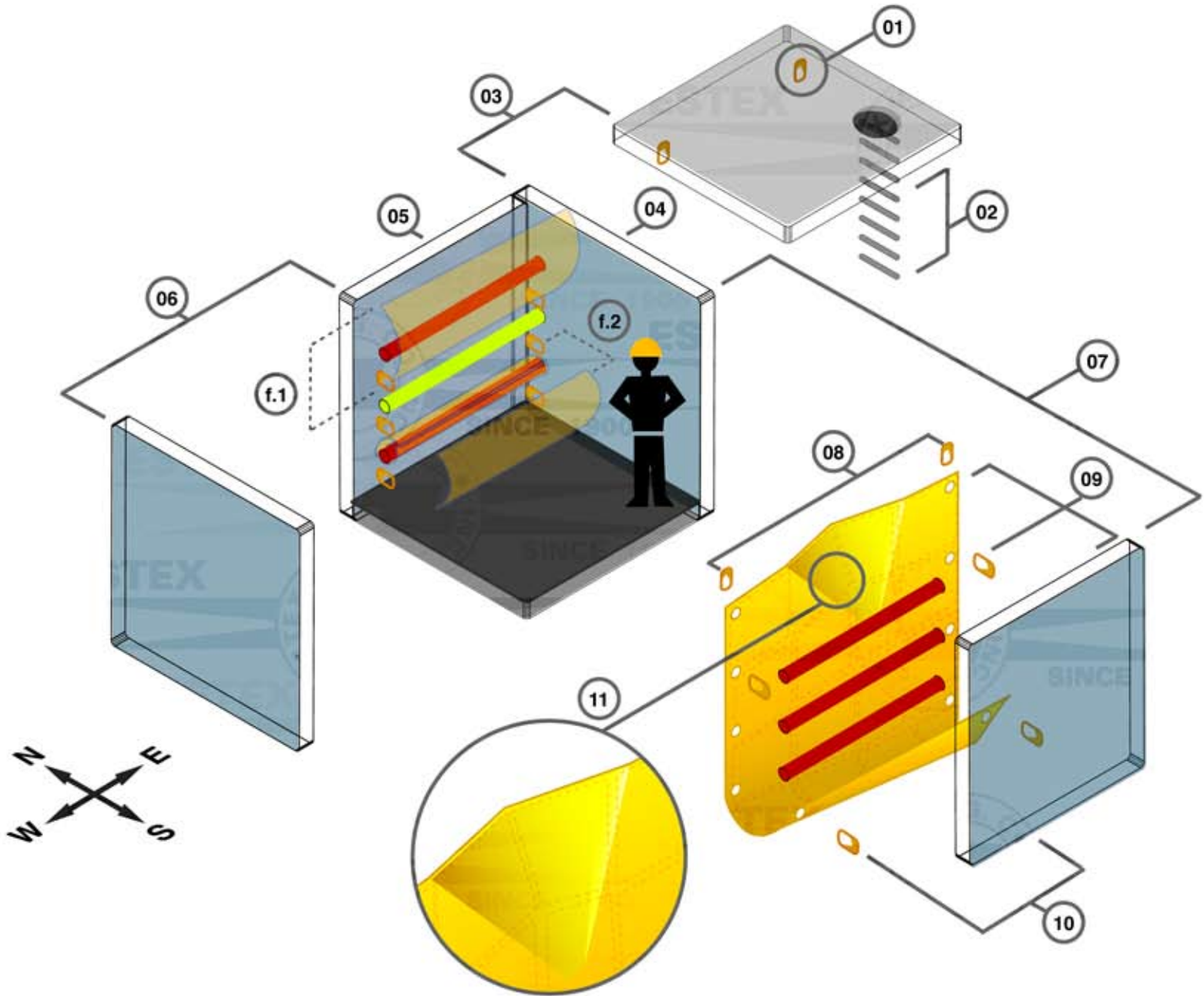
## DIAGRAM 1: Arc Suppression Blanket Preferred Work Method

toll free: 1-800-749-1224  
 phone: 770-964-3322  
 fax: 770-964-7534

P. O. Box 368  
 402 East Broad Street  
 Fairburn, GA 30213

**RED** cables are energized  
**GREEN** cables are de-energized

- 01. Strut base brackets connect to carabiner from north wall to ceiling (connect to figure 1)
- 02. Ladder to the surface
- 03. Vault ceiling
- 04. Strut base
- 05. (north) Vault wall
- 06. Carabiner
- 07. (south) Vault wall
- 08. Carabiner connects to arc blast blanket
- 09. Secondary securing point
- f.1. Arc blast blanket in WALL 'J' Method
- f.2. Arc blast blanket in CLAMSHELL Method



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## DIAGRAM 2: Arc Suppression Blanket Preferred Work Method

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**RED** cables are energized  
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01. Brackets connect blanket from north wall to ceiling (connect to f.1)
02. Ladder to the surface
03. Vault ceiling
04. (east) Vault wall
05. (north) Vault wall
06. (west) Vault wall
07. (south) Vault wall

08. Brackets connect to blanket and to ceiling
09. Blanket connects to south wall with brackets
10. Brackets connect to south wall
11. Blanket bows to channel arc blast out of vault/manhole

f.1. Arc blast blanket in WALL 'J' Method  
 f.2. Arc blast blanket in CLAMSHELL Method