



## Suburban Rollover Egress Trainer

### Suburban Rollover Egress Trainer (SRET) Specifications



#### Training Purpose

- a. Exposes trainees to real rollover conditions and forces that they would encounter during a vehicle rollover,
- b. The effects of these forces on personnel, equipment and cargo,
- c. Enables egress training from vehicle from inverted positions, and
- d. Allows for tactical training of personnel following egress.

#### Operating Features

- a. A Suburban passenger compartment (obtained from a used vehicle):
  - i. Includes front 2 rows of passenger compartment (approx. 8' in length)
  - ii. Windows (5) will have glass removed and replaced with expanded metal
  - iii. Doors (4) will have steel plates attached to inside to protect door from impact
  - iv. Doors (4) will have hinges reinforced or replaced with heavy-duty hinges
- b. A vehicle cab cradle
- c. Low-profile heavy-duty skid mounted framework to support the cradle
  - i. Resulting profile eliminates the need for platforms, stairs and railings
  - ii. 8" thick Pads will be provide for each side of the unit as landing areas
- d. An electric 360 degree drive unit, with rotation position indicator
- e. A handheld operators unit, with both forward and reverse controls
- f. Weather resistant for outdoor operation and storage, to include protection of all electrical controls
- g. Ability to operate from a non-fixed site w/ relocation capability
- h. 220V, three phase, 60 amp, 4-wire, electrical w/ (1) 25' power cable

- i. NEMA/EEMAC Type 12 & 13 enclosures
- j. Planetary torque hub
- k. Precision heavy-duty spindle bearings

### **Safety Features**

- a. A dead-man control that is operated by the safety officer. This control must be depressed at all times in order for the cab module to rotate.
- b. 3 emergency stop buttons, located on the handheld operator control, the main control panel and the front of the frame
- c. An audible horn
- d. A safety strobe
- e. Heavy-duty external manual door latches
- f. Electronic interlocks on all doors. These interlocks must prove that all doors are fully closed prior to allowing the cab module to rotate.
- g. Safety warnings and placards
- h. Key securable operational control mechanism
- i. Fail safe brakes to lock trainer in place

### **Overall Dimensions (approx.)**

- a. Height 8' – Requires minimum of 2' of clearance above
- b. Width 14' – Includes landing pads on 2 sides
- c. Length 16' – Requires clearance for access on both ends







