

# ***S.C.B.A. CONFIDENCE FOR FIREGROUND SURVIVAL COURSE DIMENSIONS AND CONFIGURATION***

***By:  
Timothy E. Sendelbach***

## **STUD WALL SIMULATOR: (Dimensions: 6' x 80")**

- All studs are positioned on 16" centers
- Flexible electrical conduit is positioned at approx. 18" and 5' w/ switches and outlets placed on each end for a more realistic effect.



## **ATTIC SIMULATOR: (Dimensions: 60" x 4' x 26")**

- Each joist member provides 14" of operational spacing
- The scuttle opening is 28" x 22"
- The space from the ground to the lower portion of the joist assembly is 18"



## **ENTANGLEMENT SIMULATOR: (Dimensions: 6' x 4' x 5')**

- Each outer leg stands approximately 5' in total height with support rails at approximately 3' ½" and 5'
- Flexible cable is strung from each side using eyelets on both the top and lower rails
- The distance from the ground to the top joist assembly is approximately 24"



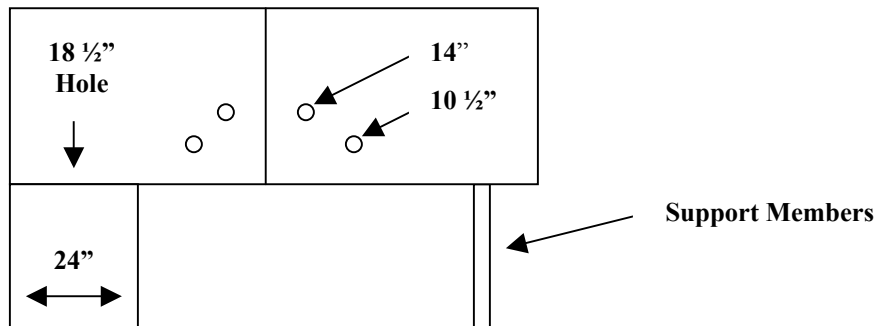
**T-BOXES: (Dimensions: 24" x 24" x 48")**

- All boxes were constructed using 3/8" in plywood and 2" x 2" members for reinforcement
- All floor assemblies are reinforced using 2"x 4" members (placed between the 2" x 2" outer supports)
- One box is constructed with a 24" x 24" hole cut in the middle to allow two boxes to be placed perpendicular to establish a "T" configuration.



**ELEVATED BOX WITH BARS AND HOLE: (Dimensions: 20" x 24" x 8')**

- Rebar is placed through the holes at:
  - 14" from the floor (with 13" spacing from the front and back bar)
  - 10 1/2" from the floor (with 20" spacing from the front and back bar)
- The hole is 18 1/2" in diameter and is positioned 14" from the last bar and 8" from the end of the box
  - Hole configuration for the rebar:



**LARGE BOX W/ BARS: (Dimensions: 26" x 29 ½" x 8')**

- Holes for the rebar are placed at the midpoint at a height of 10 ½" – 14" – 17"



**BEST OF LUCK – BE SAFE AND ENJOY!!!**

**PROGRAM DEVELOPER:**



Tim is a 17 – year student and educator of the fire & emergency services currently working as Chief of Fire Training for Savannah Fire & Emergency Services, Georgia. Tim previously served as a Firefighter/Paramedic with the Kansas City, Kansas Fire Department and Assistant Fire Chief with Missouri City Fire & Rescue Services, Texas. Tim has earned B.S. degrees in Fire Administration, Arson and an A.S. degree in Emergency Medical Care from Eastern Kentucky University. Tim is currently the 1<sup>st</sup> Vice President of the International Society of Fire Service Instructors (ISFSI), and a student of the National Fire Academy’s Executive Fire Officer (EFO) Program.

**CONTACT INFORMATION:**

TES<sup>2</sup> - Training & Education Services, 2710 East Pebble Beach Drive, Missouri City, Texas 77459, Office: 281-403-9766, E-mail: [tim@tes2training.com](mailto:tim@tes2training.com).