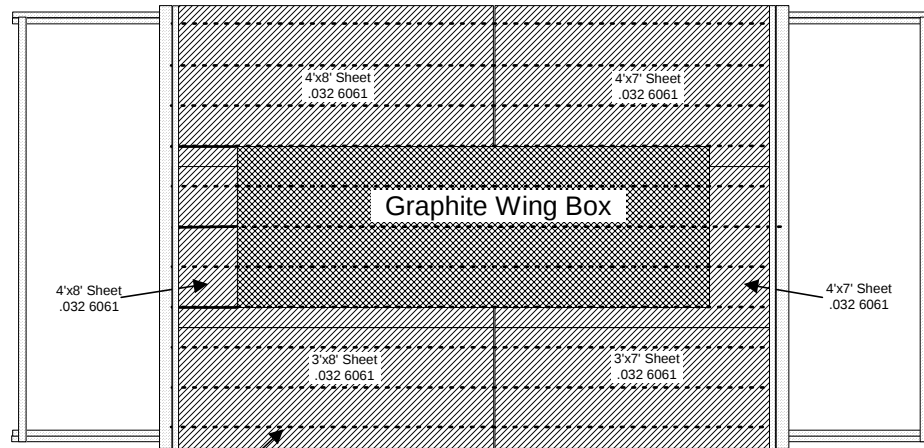


Graphite Wing Box Ground Plane Set-up

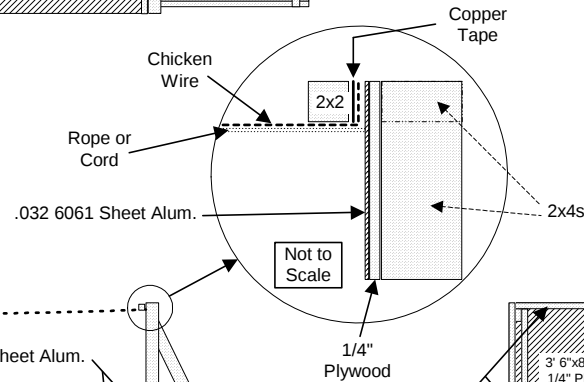


Top View

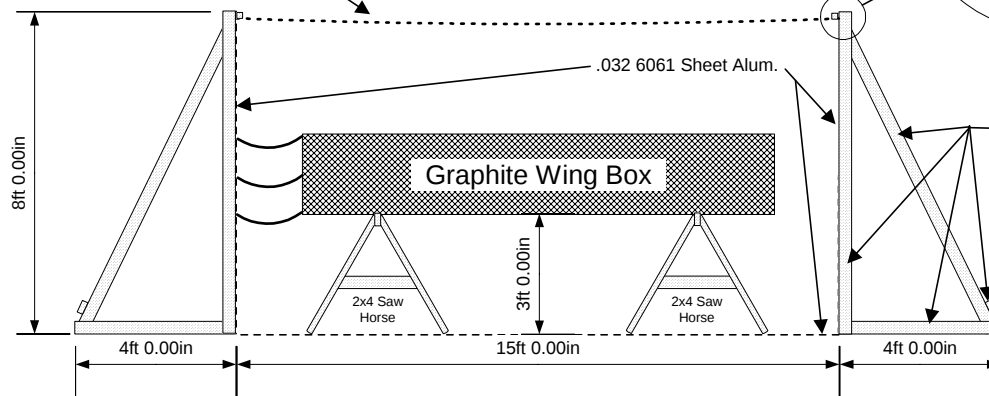
NOTES:

- (1) Use 1/4" plywood between the aluminium sheets and the framework to provide additional support and rigidity.
- (2) Use 2" or wider copper tape on all aluminium sheet seams to provide a good electrical bond.
- (3) Drill holes for overhead ground return support ropes 2" below the top edge of the vertical ground plane. Make ropes as taught as possible. Sand bags may be needed to weight the base of the vertical ground plane stands.
- (4) Use 20 gauge 3"x50"x 1" mesh chicken wire for overhead ground return. Use 2x2s and apply copper tape to one side. Sandwich the chicken wire between the aluminium sheet and the copper covered side of the 2x2s all along the top of the vertical ground plane. Drill and fasten with wood screws at 12" intervals.
- (5) The overhead ground return will not be needed at the beginning of the test. The support ropes can be installed initially or later when the chicken wire is installed, as time permits.

Chicken Wire and Support Ropes
(DO NOT INSTALL CHICKEN WIRE AT BEGINNING OF TEST)



Side View



Front View

