



Elite Electronic Engineering, Inc.
 1516 Centre Circle
 Downers Grove, IL 60515
 630-495-9770
 www.elitetest.com

NOTE: FOR ELITE CUSTOMER USE ONLY. Information listed here is subject to revision without notice. Actual chamber performance will depend on test item and specification requirements. Contact Elite for current test equipment information and test application assistance.

EMI CHAMBER DESCRIPTION

TEST SUITE 28

Test Room ID: R28A

Description:	SHIELDED TEST ENCLOSURE
Primary Testing Uses:	AUTOMOTIVE, MIL-STD, DO-160; Conducted Immunity & Emissions
Dimensions:	4.88m x 3.65m x 3.05m (16ft. x 12ft. x 10ft.) [see Figure – 3 below]
Construction:	Galvanized Steel <i>Ground Plane Bonding:</i> Bolted to Wall
Ground Plane Dimensions:	3.650m x 0.914m x 0.780mm (12ft. x 3ft. x 0.031in.) [see Figure – 3 below] 3.05m x 1.17m x 0.78mm (10ft. x 46in. x .031in.)
Room Filters:	(2) 30A DC Filtered Lines (3) 30A 115V, 400Hz, 3Phase Filtered Lines
Power Availability:	External 30A Filtered DC Power 115VAC, 60Hz, 1Phase, 15A Outlets 115VAC, 400Hz, 3Phase, 30A Outlets Note: Other power arrangements are available upon request.
General cabling considerations:	Mil Std Tests: Power and interconnect leads need to be 2 meters in length within 10cm of the front of the ground plane. (Ref 461E section 4.3.8.6.1 & 4.3.8.6.2) DO-160 Tests: Power leads need to be 1 meter in length within 10 cm of the front of the ground plane. Interconnect leads need to have 3.3 meters exposed and at least 1 meter within 10 cm of the front of the ground plane. (Ref DO-160D Section 20.3)



Elite Electronic Engineering, Inc.
1516 Centre Circle
Downers Grove, IL 60515
630-495-9770
www.elitetest.com

NOTE: FOR ELITE CUSTOMER USE ONLY. Information listed here is subject to revision without notice. Actual chamber performance will depend on test item and specification requirements. Contact Elite for current test equipment information and test application assistance.

EMI CHAMBER DESCRIPTION

TEST SUITE 28



Figure - 1: Room 28A (Test Room) Ground Plane 1



Figure - 2: Room 28A (Test Room) Ground Plane 2



EMI CHAMBER DESCRIPTION

TEST SUITE 28

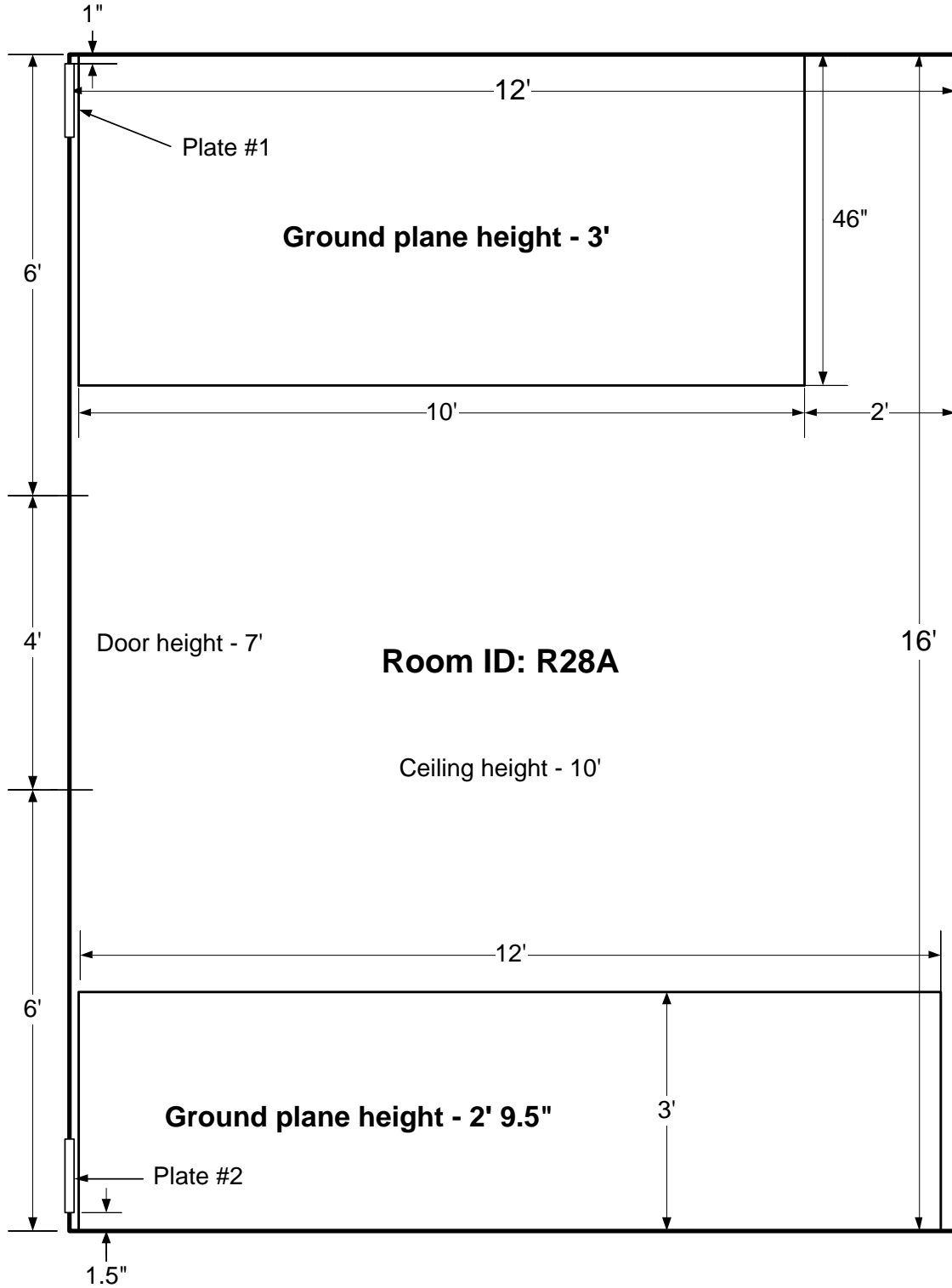


Figure - 3: Room 28A



Elite Electronic Engineering, Inc.
1516 Centre Circle
Downers Grove, IL 60515
630-495-9770
www.elitetest.com

NOTE: FOR ELITE CUSTOMER USE ONLY. Information listed here is subject to revision without notice. Actual chamber performance will depend on test item and specification requirements. Contact Elite for current test equipment information and test application assistance.

EMI CHAMBER DESCRIPTION

TEST SUITE 28

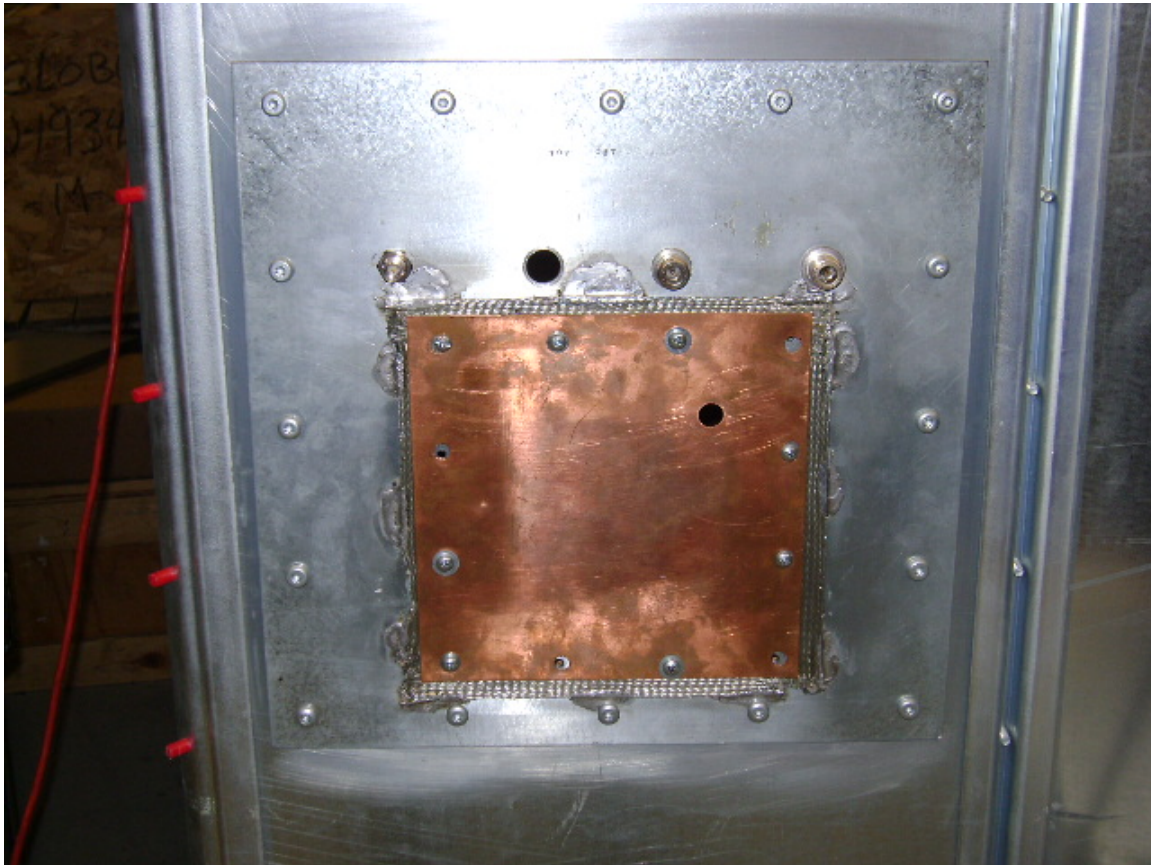
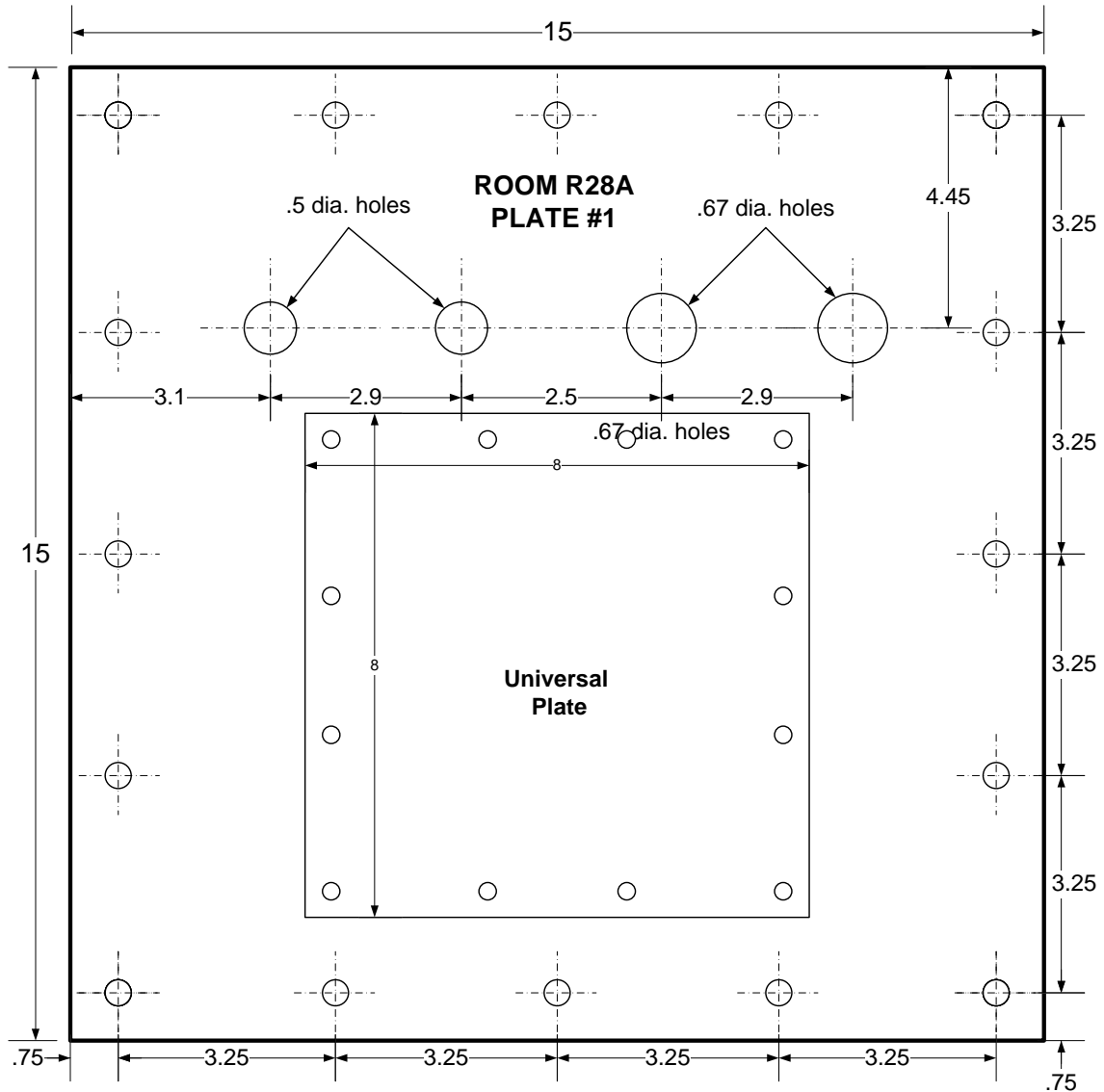


Figure - 4: Room 28A Plate 1 (Test Room)



EMI CHAMBER DESCRIPTION

TEST SUITE 28



Mounting holes are 5/16"

All dimensions are in inches

Figure - 5: Room 28A Plate 1 Dimensions



Elite Electronic Engineering, Inc.
1516 Centre Circle
Downers Grove, IL 60515
630-495-9770
www.elitetest.com

NOTE: FOR ELITE CUSTOMER USE ONLY. Information listed here is subject to revision without notice. Actual chamber performance will depend on test item and specification requirements. Contact Elite for current test equipment information and test application assistance.

EMI CHAMBER DESCRIPTION

TEST SUITE 28

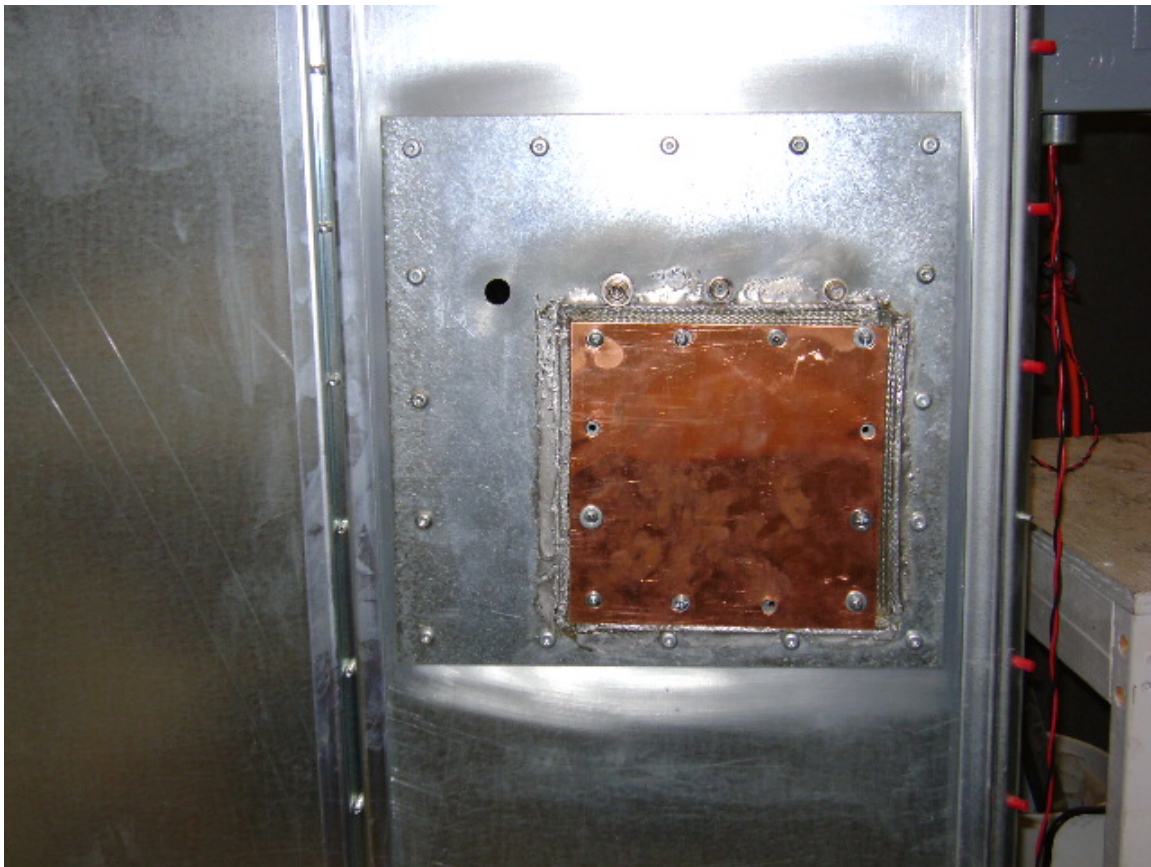
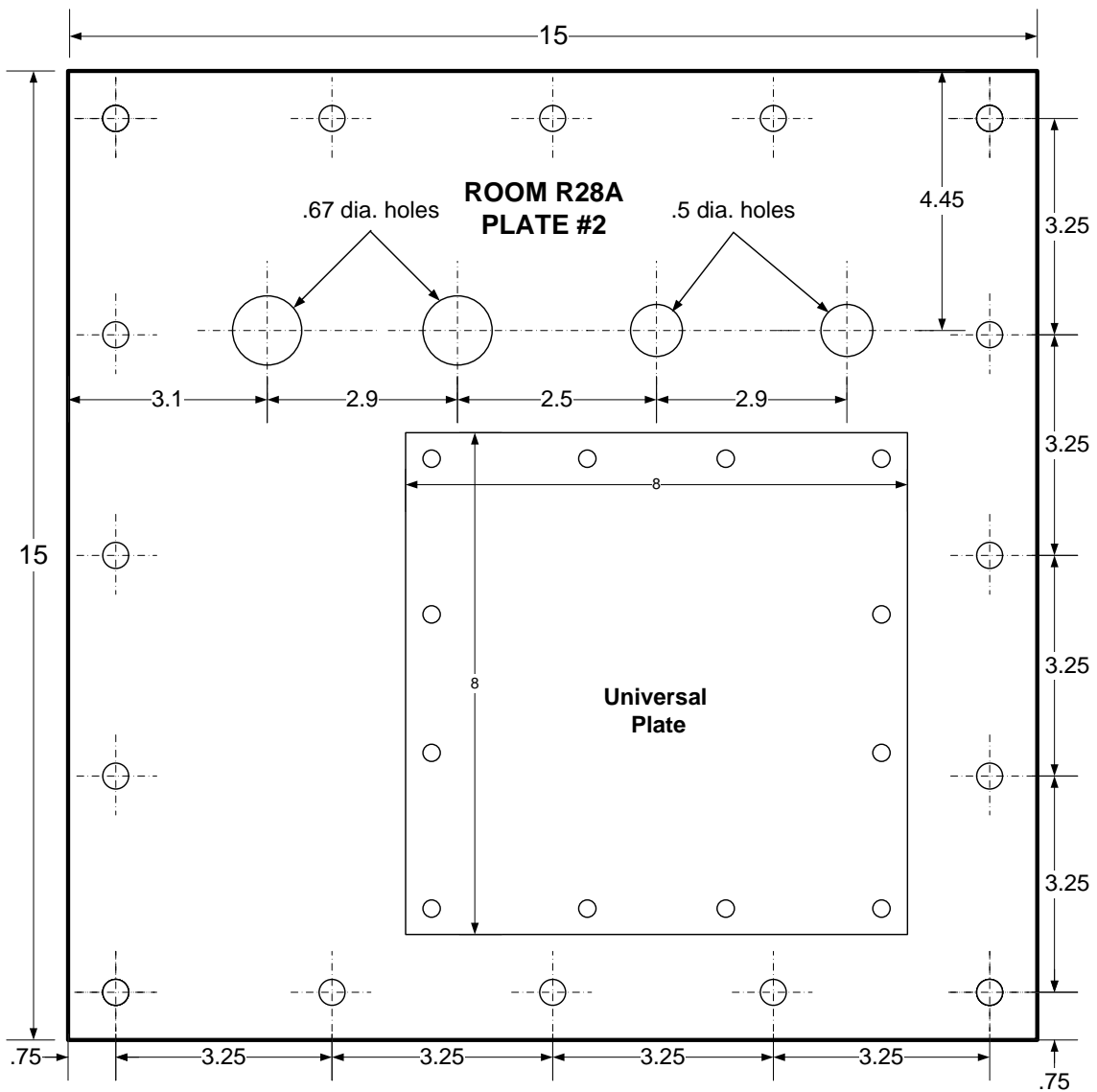


Figure - 6: Room 28A (Test Room) Plate 2



EMI CHAMBER DESCRIPTION

TEST SUITE 28



Mounting holes are 5/16"

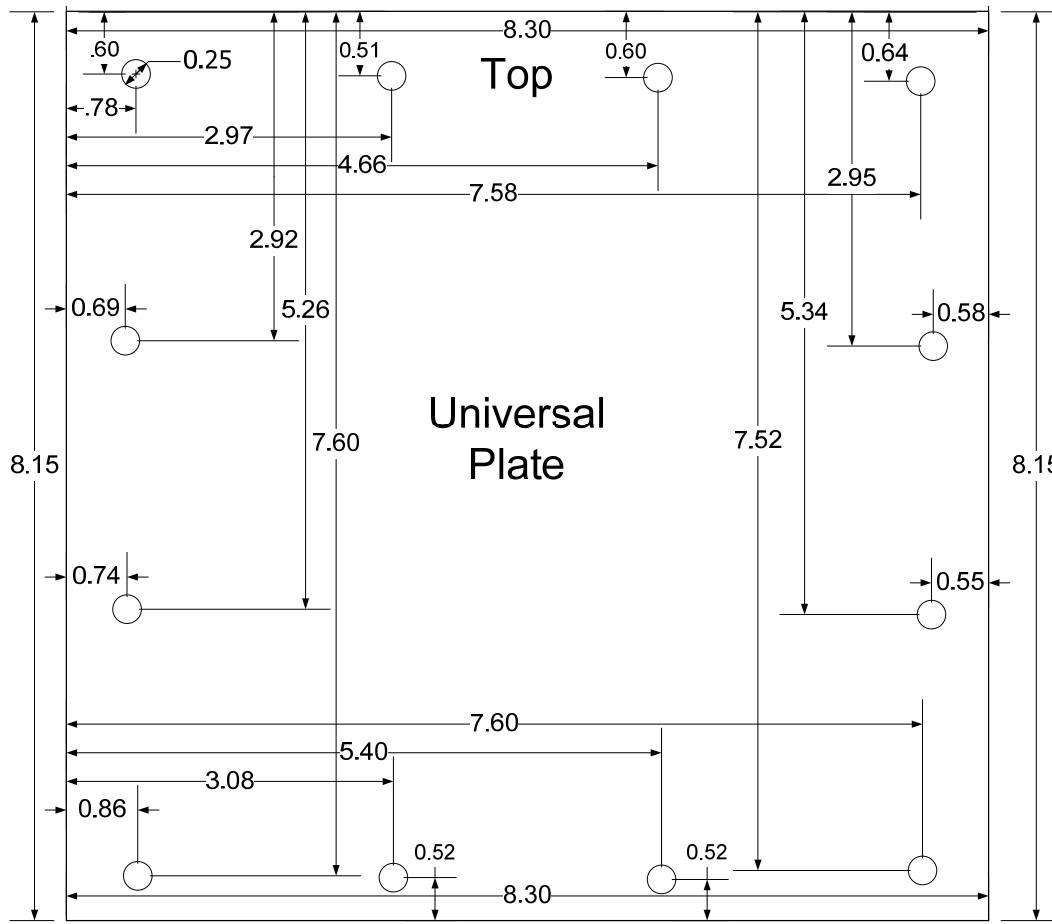
All dimensions are in inches

Figure - 7: Room 28A Plate 2 Dimensions



EMI CHAMBER DESCRIPTION

TEST SUITE 28



All dimensions are in inches (not to scale)

Figure - 8: Room 28A Universal Plate Dimensions