

## RF SHIELDED ENCLOSURES Welded Fabrication Enclosures

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## Key Features

- **Single Layer High Grade Steel Material**
- **Welded Seams Unaffected by Corrosion, Oxidation, and Mechanical Expansion**
- **30 Hz to 94 GHz and Above**
- **MIL-STD 285, IEEE 299, NSA 65-6/NSA 94-106, CID 09.12**

## Features

### Superior Single Shield Design

To ensure the highest shielding performance, ETS-Lindgren's all-welded shielded room concept typically uses a single layer of high grade hot rolled steel sheet material in sizes designed to minimize seam footage. It is constructed using varying steel in thicknesses from 1.905 mm (.075 in) to 12.70 mm (.500 in).

### Structural Framework

The structural framework of the welded shielded room is freestanding and conforms to the Uniform Building Code (UBC) and the latest American Institute of Steel Construction (AISC) standards.

### RF Seam and Joint Integrity

ETS-Lindgren's all-welded room design does not have any mechanical seams that can result in high maintenance and serious loss of shielding effectiveness. The welded seams are unaffected by corrosion, oxidation and mechanical expansion brought about by temperature and humidity changes.

### High RF Attenuation

ETS-Lindgren's all-welded shielded room design has set the standard for reliable shielding performance in the industry's most demanding applications. It exceeds the RF performance requirements of government specifications MIL-STD 285, IEEE 299, NSA 65-6/NSA 94-106 and CID 09.12 as well as commercial needs. This pre-engineered, all-welded shielding concept offers long-term, maintenance-free RF performance and superior structural integrity to support shielding requirements from 30 Hz to 94 GHz and above.

### Portable All-Welded Buildings

Smaller all-welded shielded rooms can be built on rollers, or may be set up with lifting hooks or on a base platform, to allow transport by truck, helicopter, air transport, or forklift to a selected site. The ability to relocate the shielded environment as needed makes the portable all-welded design an economical and ideal choice for many military and commercial applications.

Portable all-welded rooms are available up to a maximum size of 3.048 m Wide x 3.048 m High x 12.192 m Long (10 ft x 10 ft x 40 ft).

Product Charts

# Shielding Effectiveness

