

# Specification — Hollow Metal View Window Frames

A&L Shielding's hollow metal window frames are designed to contain lead glass or lead acrylic glazing and to provide the required level of shielding protection.

## Window Frames - welded

### **GENERAL:**

Frames support lead glass or lead acrylic glazing and provide a lead lined interface between the glazing and the lead lined drywall.

Frames are attached to stud framing using a variety of techniques designed to hold the window securely and to prevent shielding leaks.

### **PRODUCT DETAILS:**

Frames shall be manufactured from cold rolled steel per ASTM A568 and ASTM A366 in 16 gage. Frames shall be set up and welded type units for maximum support. Faces shall be 2", with a 1/2" masonry profile return. Frames are sized to match any available glazing dimensions. All joints shall be die mitered with integral tabs for interlocking and reinforcement to ease welding. All frames shall receive a factory coat of rust inhibitive primer.

A voice passage is an optional feature through the shielding wall where this is needed. When supplied, a fully-shielded air passage shall be created from the shielding side of the room to the opposite side of the glazing.

Unpierced sheet lead of specified thickness is shaped to fit the frame contour and inserted into the frame. Lead joints are overlapped to ensure continuity of shielding and secured in place with lead clips. Lead is dressed around any voice passage preparations.

### **EXECUTION:**

**INSTALLATION** - Install with lead in the face of the frame overlapping the lead in the adjacent

walls. Install glazing on the side of the fixed stop of the frame away from the shielded patient area. The lead lined rabbet and face of the window frame should face the shielded patient area.

Frame must be plumb and square in the opening and securely fastened in place before the lead lined drywall is installed.

Block around any integral voice passage lead pocket to avoid damage during installation.

The lead in the walls must then be dressed into the frame to ensure shielding overlap with the lead in the face and throat of the frame.

Before attempting to install the glazing, verify the glass pocket is square and true and that there are no rough spots where the glazing will fit.

**GLAZING INSTALLATION** - Follow glazing supplier instructions for the type of glazing material being used.

Glaze per local code requirements in all cases

**WASTE** - Dispose of all scrap lead in an environmentally responsible manner.



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