

Specification — Hollow Metal Slip Type 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 - slip/split type

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 manufactured in two pieces that fit into an existing wall opening from both sides and fasten together to form a rigid assembly.

PRODUCT DETAILS:

Frames shall be manufactured from cold rolled steel per ASTM A568 and ASTM A366 in 16 gage. 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. Lead is dressed around any voice passage preparations.

EXECUTION:

INSTALLATION - Prepare the wall for the rough opening by adding the dimension shown in the following chart to the actual glass width and actual glass height respectively. *Please note that both the lead thickness and use of a voice passage (VP) will affect the rough opening.*

01/08

Lead thickness	Add to actual glass width	Add to actual glass height with NO VP	Add to actual glass height with VP
1/64" to 1/8"	2-1/4"	1-1/2"	3"
9/64" to 3/16"	2-3/8"	1-5/8"	3-1/8"
13/64" to 1/4"	2-1/2"	2"	3-1/4"

If a voice passage is used, install 1-1/2" blocking on either side of the voice passage to support the bottom of the frame to avoid damage to the voice passage.

Remove the front of the frame from the back by unplugging the two pieces. Insert the front of the frame, which is the larger half containing the lead lining, into the wall opening from the leaded wall side with voice passage (if supplied) down. Insert the smaller half of the frame from the other side of wall so it overlaps the larger side. Secure the two parts of the frame together with self-tapping screws or pop rivets. Ideally, the frame should be secured in this fashion where the removable stop will cover the fasteners. 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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