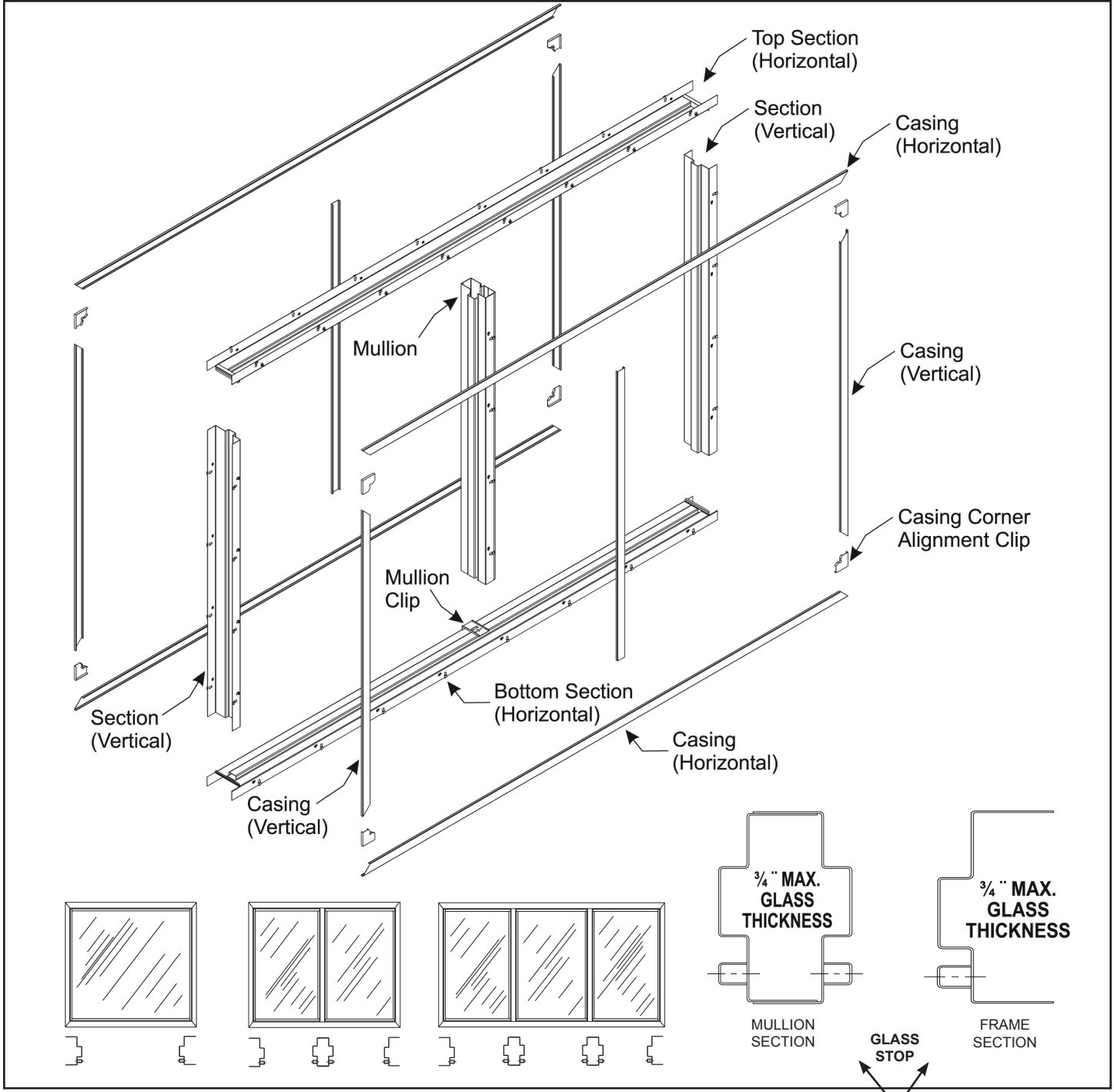


BORROWED LITE INSTALLATION PROCEDURE



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BEFORE YOU BEGIN

PLEASE FOLLOW ALL INSTRUCTIONS AND ALWAYS USE PROTECTIVE EYEWEAR WHEN INSTALLING A DOOR SYSTEM. PLEASE READ INSTRUCTIONS COMPLETELY.

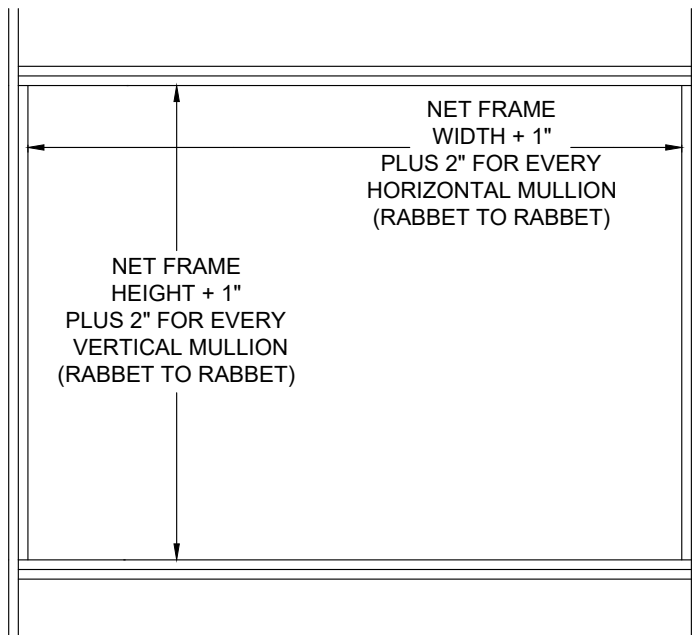


FIGURE 1

BORROWED LITE ROUGH OPENING

Rough Opening (Figure 1)

Step 1

Verify that the opening is plumb, square and level.

Vertical Mullion:

Add 1" (once only) to total of the combined glass sizes in width. Then add 2" more for each mullion used. Add 1" to height of glass size.

(Example: 36"+36"+2" [mullion] + 1" = 75" W; 48"+1" = 49" H.) (Figure 2)

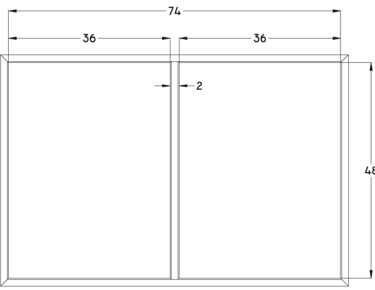


FIGURE 2

Mullion Clip Installation

Step 1

Select frame members that will receive mullion brackets (head and sill). Determine center line of mullion and scribe a line across the rabbets. (Figure 3)

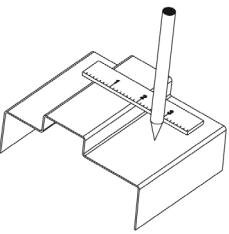


FIGURE 3

Important: All measurements should be made from the same end of the frame sections in the installed position.

Step 2

Position mullion bracket so scribe line centers in diamond window and the depressed tab rests firmly against the stop on the 1-3/4" and 1-3/8" rabbets. (Figure 4)

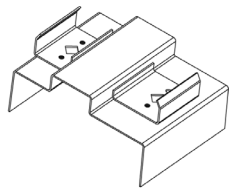


FIGURE 4

Step 3

Install screws as shown. (Figure 5)

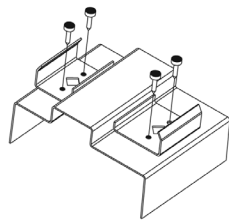


FIGURE 5

Installation of Frame

Step 1

Sleeve both top and bottom horizontal sections over wall. (Figure 6)



FIGURE 6

Step 2

Sleeve vertical members over wall. (Figure 7)



FIGURE 7

Step 3

Bring together all vertical sections with bottom horizontal section (Figure 8), locking them together with alignment tabs and fitting the mullion post firmly on to the bottom mullion bracket.

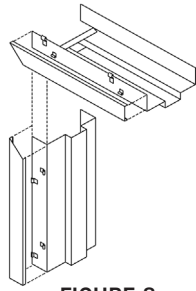


FIGURE 8

Step 4

Pull top horizontal section down to interlock with alignment tabs at sides and with mullion post. (Figure 9)

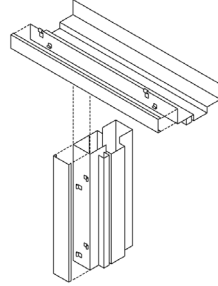


FIGURE 9

Step 5

Check for square inside corners and proceed to fasten unit to wall (See Fastening Instructions below).

Step 6

With a self-tapping screw, attach mullion to mullion clip (Figure 10) on both sides.

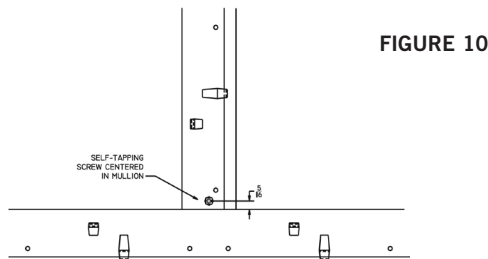


FIGURE 10

FIG. 11

Fastening Instructions

Wall Construction: (Figure 11)
Wood Studs & Drywall

Recommended Frame Fasteners:
1-1/4" Min. Drywall Screws, Coarse Thread

FIG. 12

Steel Studs: (Figure 12)

Wall Construction: (Figure 12)
Metal Studs & Drywall

Recommended Frame Fasteners:
1-1/4" (min.) Type "S" Bugle Head Self-Tapping Screws

Fasten unit to wall as follows (Figure 13):

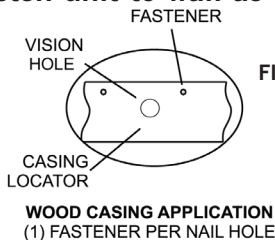
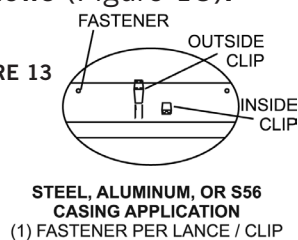


FIGURE 13



Step 1

To secure horizontal sections, apply one (1) fastener per lance / nail hole. (Figure 13/13a)



FIGURE 13a

Step 2

To secure vertical sections, apply one (1) fastener per lance / nail hole (Figure 13/13a).

Step 3

Install glass, glazing, and glass stop. (Figure 14) See Fire Rating Chart for correct glazing material application (pg. 4).

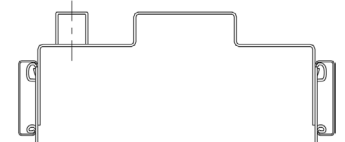


FIGURE 14

Step 4

Apply trim, taking care to hook over outside clip roll and snap over the inside clip. Do not force over both ends of clip simultaneously (Figures 15, 16, and 17).



FIGURE 15



FIGURE 16



FIGURE 17

To remove casing, use a small common screwdriver with a flat edge or a stiff putty knife. Start at the bottom of the upright casing on the **inside** of the frame. Gently insert the edge of the screwdriver between the casing and the leg of the frame. Slowly work the screwdriver up the casing to the first lance. Rotate the screwdriver in a counterclockwise motion; the casing will pop off the inside curl of the lance. Repeat this procedure with remaining lances. After all inside lances have been cleared, gently ease the casing from under the **outside** lance curl and remove.

FIRE RATINGS

45- AND 60-MINUTE FIRE WINDOW FRAMES UL 10B (NEUTRAL PRESSURE) AND UL 10C (POSITIVE PRESSURE)

RATING	MINIMUM WALL SIZE	MAXIMUM GLASS WIDTH	MAXIMUM GLASS HEIGHT	FRAME GAUGE	GLASS TYPE	TEST STANDARD	GLAZING MATERIAL	MAX. ASSEMBLY SIZE
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
60 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Listed	9'4" x 3'0"
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Positive	Listed	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Positive	Listed	10'0" x 10'0"



WARRANTY

The Warranty for Steel Frames manufactured by REDIFRAME® PRODUCTS DIVISION is to the original consumer purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of purchase.

This warranty is applicable only when the product(s) covered by it have been installed in accordance with the recommended written installation instructions of REDIFRAME® PRODUCTS DIVISION and with established building practices, have been accorded treatment which is considered good practice in the building industry regarding storage and maintenance, and have been subject only to normal use. Because REDIFRAME® PRODUCTS DIVISION cannot control the manner in which its products are handled after leaving its premises, this warranty does not apply to the finish or accessories of any product.

ANY AND ALL IMPLIED WARRANTIES HERETO ARE LIMITED TO ONE (1) YEAR FROM THE DATE OF PURCHASE.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. In

All increments shown in (parenthesis) are millimeters unless otherwise indicated. Imperial and metric dimensions may not be equivalents.

the event the original consumer purchaser of any REDIFRAME® product believes that the frame or any parts thereof covered by this warranty are defective, a letter outlining the alleged defect should be sent postage prepaid to the following address:

REDIFRAME PRODUCTS DIVISION
Division of the Dunbarton Corporation
P.O. Box 8577 Dothan, Alabama 36304-0577

Any REDIFRAME® Products Steel Frame, or any parts thereof covered by this warranty which, upon inspection by an authorized representative of REDIFRAME® PRODUCTS DIVISION, are found by said representative to be defective will be repaired, replace, or at the option of REDIFRAME® PRODUCTS DIVISION, the purchase price of the frame or part will be refunded and does not include labor, installation costs, finishing costs, or indirect or consequential damages of any nature. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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