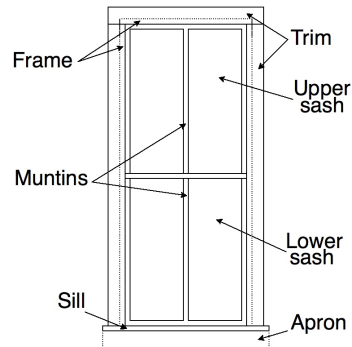


# FABRICATING STRUCTURE DETAILS WITH STYRENE

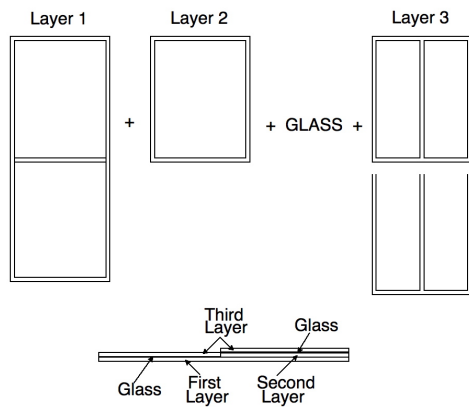
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## DOUBLE-HUNG WINDOWS



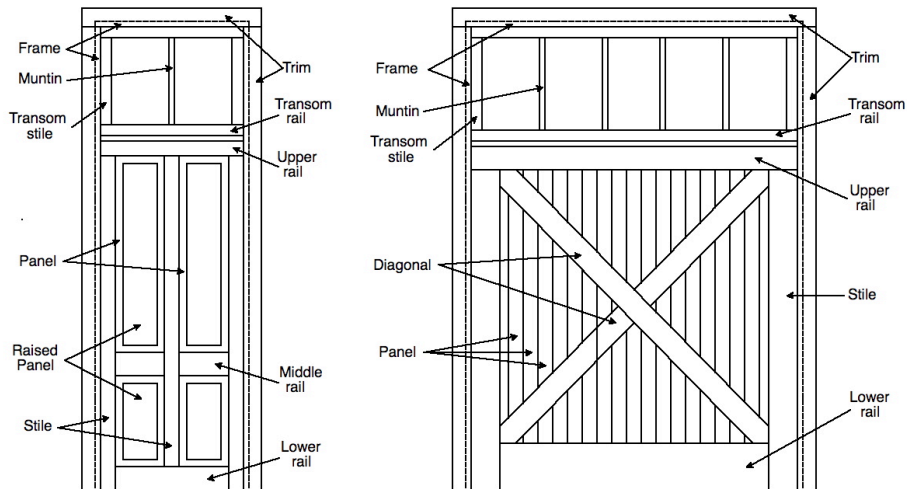
Frame	.030 x .100
Sill	.030 x .156
Trim	.030 x .100
Sash	.030 x .030
Muntin	.030 x .030

1. Rubber cement full-size drawing of your window on scrap wood block
2. Glue strip-wood jig around perimeter of jams and sill
3. Cut and assemble window frame and trim (apron optional)
4. Begin sashes by fitting and gluing layer 1 elements
5. Overlay layer 2 elements



6. Paint window assembly
7. Install glazing using pressure-sensitive adhesive (PSA)
8. Install pre-painted layer 3 elements on glazing with PSA

## **DOORS** (Transoms optional)



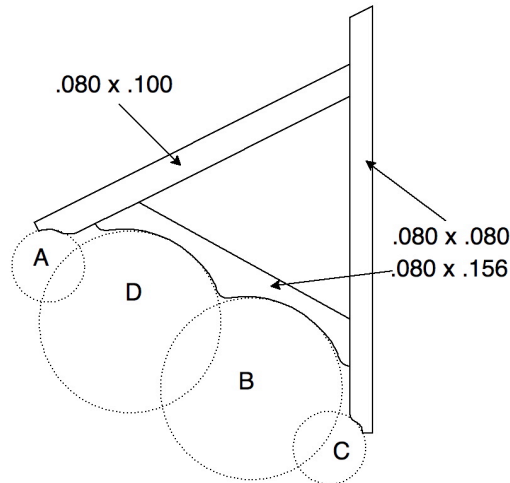
	<u>Passenger</u>	<u>Freight</u>
Frame	.030 x .100	.030 x .100
Trim	.030 x .100	.030 x .100
Transom stile	.030 x .060	.030 x .060
Muntin	.030 x .030	.030 x .030
Panel	.040 sheet	.040 scribed sheet
Upper rail	.030 x .080	.030 x .156
Middle rail	.030 x .125	NA
Lower rail	.030 x .125	.030 x .250
Stile	.030 x .080	.030 x .156
Raised panel	.030 x .188	NA
Diagonal	NA	.030 x .125

1. Rubber cement full-size drawing of your door on scrap wood block
2. Glue strip-wood jig around sides and top of drawing
3. Cut and assemble frame, including cross-piece below transom
4. Cut and install rails, styles, and muntins for transom
5. Cut door body panel from sheet or scribed styrene and fit between frame sides  
For two-color freight door paint body panel before installing
6. Cut and glue on trim
7. Install upper rail and stiles  
Use ACC if pre-painted
8. Install middle and lower rails
9. Cut and fit raised panels or diagonals
10. Attach glazing to rear of transom with PSA

## **CHIMNEYS**

1. Cut squares of appropriate size for brick courses from .040 styrene
2. For mortar layers, cut squares approximately .050" smaller from .010 styrene
3. Adhere mortar chip to each brick chip with liquid adhesive  
Center by eye
4. Cut vertical mortar lines in brick chips by pressing with #11 blade
5. Glue together chip pairs to create stack of alternating mortar and brick layers  
Steps 4 and 5 need to produce realistic pattern for vertical mortar lines
6. Paint and weather as you would a cast chimney

## **CORBELS** (Details and dimensions would vary with prototype)



1. Construct 3-part jig  
First part is simple triangle with open "bottom" for basic assembly  
Second part with bottom closed by wood scrap to guide drilling  
Third part with bottom closed by wood scrap to guide remaining drilling
2. Assemble three legs in first part of jig, leaving tails a bit long
3. Move assembly to second part of jig
4. Establish curves by drilling A and B with 1/4" and 5/8" Forstner bits, respectively
5. Move assembly to third part of jig
6. Establish curves by drilling C and D with 1/4" and 5/8" Forstner bits, respectively
7. Remove from jig, trim ends and smooth