

# Aluminum Frame Materials - Project project test

## Window | Top Frame | Bottom Frame | Side Frame

Window W-8-22-0 | 151.0 cm | 151.0 cm | 200.0 cm  
Window W-8-22-1 | 100.0 cm | 100.0 cm | 298.0 cm  
Window W-8-22-2 | 202.0 cm | 202.0 cm | 238.0 cm  
TOTAL | 453.0 | 453.0 | 736.0  
BARS NEEDED | 1 | 1 | 2

## Sash Materials

### Window | Sash # | Top | Bottom | Handle Side (■■) | Side (■■■■)

Window W-8-22-0 | 1 | 50.0 cm | 50.0 cm | 100.0 cm | 100.0 cm  
Window W-8-22-0 | 2 | 50.0 cm | 50.0 cm | 0 cm | 200.0 cm  
Window W-8-22-0 | 3 | 50.0 cm | 50.0 cm | 100.0 cm | 100.0 cm  
Window W-8-22-1 | 1 | 50.0 cm | 50.0 cm | 149.0 cm | 149.0 cm  
Window W-8-22-1 | 2 | 50.0 cm | 50.0 cm | 149.0 cm | 149.0 cm  
Window W-8-22-2 | 1 | 50.0 cm | 50.0 cm | 119.0 cm | 119.0 cm  
Window W-8-22-2 | 2 | 50.0 cm | 50.0 cm | 0 cm | 238.0 cm  
Window W-8-22-2 | 3 | 50.0 cm | 50.0 cm | 0 cm | 238.0 cm  
Window W-8-22-2 | 4 | 50.0 cm | 50.0 cm | 119.0 cm | 119.0 cm  
TOTAL | | 900.0 | | 736.0 | 1412.0  
BARS NEEDED | | 2 | | 2 | 3