

# Aluminum Frame Materials - Project test\_project

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

Window W-12-27-0 | 202.1 cm | 202.1 cm | 299.8 cm  
Window W-12-27-1 | 101.0 cm | 101.0 cm | 198.0 cm  
Window W-12-28-0 | 299.0 cm | 299.0 cm | 200.0 cm  
TOTAL | 602.1 | 602.1 | 697.8  
BARS NEEDED | 2 | 2 | 2

## Sash Materials

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

Window W-12-27-0 | 1 | 67.03 cm | 67.03 cm | 149.9 cm | 149.9 cm  
Window W-12-27-0 | 2 | 67.03 cm | 67.03 cm | 0 cm | 299.8 cm  
Window W-12-27-0 | 3 | 67.03 cm | 67.03 cm | 149.9 cm | 149.9 cm  
Window W-12-27-1 | 1 | 50.5 cm | 50.5 cm | 99.0 cm | 99.0 cm  
Window W-12-27-1 | 2 | 50.5 cm | 50.5 cm | 99.0 cm | 99.0 cm  
Window W-12-28-0 | 1 | 74.25 cm | 74.25 cm | 100.0 cm | 100.0 cm  
Window W-12-28-0 | 2 | 74.25 cm | 74.25 cm | 0 cm | 200.0 cm  
Window W-12-28-0 | 3 | 74.25 cm | 74.25 cm | 0 cm | 200.0 cm  
Window W-12-28-0 | 4 | 74.25 cm | 74.25 cm | 100.0 cm | 100.0 cm  
TOTAL | | 1198.18 | | 697.8 | 1397.6  
BARS NEEDED | | 2 | | 2 | 3