



**HARVEY**  
BUILDING PRODUCTS

Harvey Industries, Inc.  
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**Manufacturing  
ACKNOWLEDGEMENT**

**Dealer Quote Detail**

Portsmouth  
240 West Road  
PORTSMOUTH, NH03801-1563  
Phone: (603) 433-0900 Fax: (603) 433-1208

**BILL TO:**

HOMESMITH LLC  
PO BOX 3854  
PO BOX 3854

**SHIP TO:**

HOMESMITH LLC  
PO BOX 3854

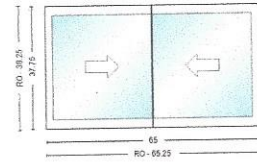
PORTLAND ME 04104-0000  
Phone: 207-747-4884 Fax:



Phone: 207-747-4884 Fax:

QUOTE NBR	CUST NBR	CUSTOMER PO	ENTERED	DATE ORDERED	ORDER TYPE
4146832	1101589		2/22/2017	Quote Not Ordered	Cash
ORDERED BY	STATUS	SHIP VIA	DELIVERY AREA		
	None	Whse Pickup	PORTSMOUTH WAREHOUSE		
CLERK	JOB NAME	COUPON			
wfb - Bill Butler	sliders - 99-101 L&R WPS ST				
LINE #	DESCRIPTION	QTY	UNIT PRICE	EXTENDED	

10000-1 Welded Vinyl RW 2-Lite , Unit Size 65 x 37.75, RO 65.25 x 38.25 2  
 Overall Glass Thickness = 11/16", Double Glazed, Double Low-E RS, Argon Filled, Custom Annealed IG = No, IG MFG = HY  
 Full Screen, Fiberglass Mesh  
 Window Label = Harvey, Double Locks, Sash Limit Devices = None, Pin Exterior Sash = No  
 Base Color = White  
 Performance Packages = E Star 6.0 2015  
 North=Yes, North-Central=Yes  
 Unit 1: U-Factor = 0.26, SHGC = 0.30, VT = 0.54, NFRC CPD Number = HII-M-47-00752-00001, Custom / Call Size Option = Custom Size, Replacement, Reverse Sash Pattern = No  
 Unit 1 Left Glass, 1 Right Glass: NFRC CPD Number = HII-M-47-00752-00001  
 Overall Rough Opening Width = 65.25, Overall Rough Opening Height = 38.25  
 Head Expander = Yes, 2-Piece Aluminum Receptor System = No



# Clear Opening Specifications & Measuring Instructions

## CLEAR OPENING SPECIFICATIONS

In most states you must meet a clear opening requirement and a square foot requirement.  
Consult your local building department for code requirements in your area.

Unit		Clear Opening Unit TTT	
		Width(W)	Height(H)
Tribute Double Hung	welded frame & sash:	W - 5"	H/2 - 4-3/8"
Classic Double Hung	welded frame & sash:	W - 5"	H/2 - 5-1/4"
Slimline SH & DH	welded frame & sash:	W - 5-1/4"	H/2 - 4-7/16"
Casement Window	standard hinge:	W - 11-1/2"	H - 5-3/4"
Casement Window	egress hinge:	W - 7-1/4"	H - 5-3/4"
Rolling Window	2-lite:	W/2 - 4-1/8"	H - 3-3/4"
Rolling Window	3-lite (qtr-half-qtr):	W/4 - 1-3/4"	H - 3-3/4"
Rolling Window	3-lite (equal lite):	W/3 - 5"	H - 3-3/4"
Clear opening w/sill riser in place		Width(W)	Height(H)
Tribute Double Hung	welded frame & sash:	W - 5"	H/2 - 4-15/16"
Classic Double Hung	welded frame & sash:	W - 5"	H/2 - 5-13/16"
Slimline SH & DH	welded frame & sash:	W - 5-1/4"	H/2 - 5"

Clear opening square footage formula: Clear opening width x clear opening height/144

Typical egress requirements include 20" width and 24" height clear opening minimum dimensions and 5.7 square feet of total minimum clear opening. Example (using Classic double hung with welded frame & sash):

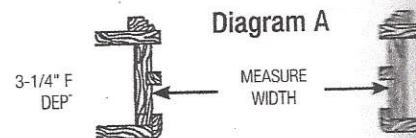
If Unit Buck Size = 36" x 64"

Clear opening Width:	$36" - 5" = 31"$ (31")	greater than 20"
Clear opening Height:	$64"/2 = 32" - 5-1/4" = 26-3/4"$	greater than 24"
Square footage of opening:	$31" \times 26-3/4" = 829"/144" = 5.75$ sq.ft.	greater than 5.70 sq.ft.

## MEASURING INSTRUCTIONS - DOUBLE HUNG

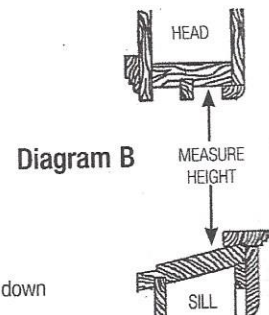
### Measuring Width:

Measure between the jambs at three locations: bottom, center, and top (Diagram A).  
Use the smallest dimension if the three vary.



### Measuring Height:

Measure from highest point of the sloped sill to the highest point of header pocket (Diagram B).



### Measuring Frame Depth:

The Harvey vinyl double hung window is designed to fit a frame depth of 3-1/4".  
Compensation for other than 3-1/4" will have to be made on the job.

**Adjustability:** The "U" channel vinyl head expander allows windows to be expanded up to 5/8" in height.

The above measurements are rough opening sizes. You must deduct 1/4" off the width and 1/2" off the height, and round down to the nearest 1/4", to get your buck size (buck size is the size the window will be).  
Width and height buck dimensions can only be ordered in 1/4", 1/2", 3/4", and full 1" sizes.

For the most up to date specifications & information, please visit [harveybp.com/pro](http://harveybp.com/pro)

**Egress window calculation per Harvey Building products**

Reference 2016 catalog page 332

**2-Lite Rolling Window egress formula**

Clear opening width =  $W/2 - 4 \frac{1}{8}$ "

Clear opening height =  $H - 3 \frac{3}{4}$ "

**Specifications**

Unit Width (inches) 65

Unit Height (inches) 37.75

**Calculations**

Clear opening width 28.375

Clear opening height 34

Clear opening sq. ft. 6.70