

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Therma-TRU Corp	Man Door	FL15225.1 R4
B. SLIDING			
C. SECTIONAL/ROLL UP 3	Clopay Building	Sectional Roll Up Garage Door	1579. 20
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG 3	Reliabilt by Atrium	Side-Load Series 105 SH	FL20100
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING - Steel	Union Corrugation Co.	Steel Panels	FL9555.2-R4
B. SOFFITS - Siding	FABRAL		FL14081.1-R3
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER	Union Corrugation Company	Steel Roof	FL9555-R4 FL9555.2-R4
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	N/A	N/A	
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS	Steel Building		
6. NEW EXTERIOR ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

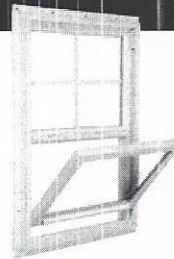
NOTES: _____



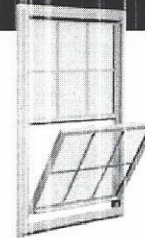
NEW CONSTRUCTION WINDOW SOLUTIONS GUIDE



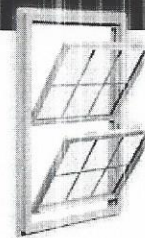
SIDE-LOAD
SERIES 105 SH



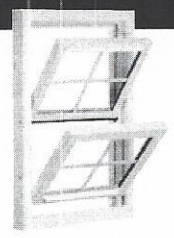
TILT-SASH
SERIES 130 SH



Series 160 available
with no J channel
PREMIUM
SERIES 150 SH



Series 460 available
with no J channel
ADVANCED
SERIES 450 DH



Available with
Integral Nail Fin
ULTIMATE
SERIES 3900 DH

KEY STRUCTURAL/PERFORMANCE FEATURES

Design Pressure Rating (Structural Rating)

DP-50

DP-50

DP-50

DP-35
(Series 455 available with DP-50)

DP-60

	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Extruded Aluminum	Fiberglass Insulkor
Window Core					
Air Infiltration	0.01	0.13	0.26	0.02	0.08
Glass Thickness	3/4	3/4	3/4	3/4	3/4
U-Value Low-E Argon	0.31	0.32	0.32	0.32	0.29
U-Value Ultra Low-E Argon	0.30	0.29	0.30	0.29	0.29
Standard Spacer	Intercept	Intercept	Intercept	Intercept	Intercept
Standard Spacer with Ultra Low-E	Duralite	Duralite	Duralite	Duralite	Intercept

FRAME FEATURES / OPTIONS

Welded Sash and Frame	Yes	Yes	Yes	Yes	Yes
True WM180 Brickmold	No	No	Yes	Yes	No
Integral Nail Fin	Yes	Optional	Yes	Yes	Optional
Integral J Channel	No	Optional	Yes	Yes	No
J Channel Depth	N/A	.625	.625	.75	N/A
3-1/2" Flat Casing	N/A	N/A	N/A	Optional	N/A
Sill Design	True Slope	Step	True Slope	True Slope	True Slope
Equal Sight Line Sashes	No	No	No	Yes	Yes
Sash Profile	Square	Square	Square	Rounded	Decorative
Weep Holes in Frame	No	No	No	No	No
Balance Type	Block & Tackle	Block & Tackle	Block & Tackle	Block & Tackle	Coil
Balance Covers	N/A	N/A	N/A	N/A	Yes
2 Sash Locks over 27-1/4"	Yes	Yes	Yes	Yes	Yes
Window Opening Control Device	Optional (field applied)	Optional (factory applied)	Optional (field applied)	Optional (factory applied)	Optional (factory applied)
Applied 4-8/16 or 6-9/16 FJ Primed Extension Jamb	Optional	No	Optional	Optional	Optional
Applied 4-8/16 or 6-9/16 Clear Pine Extension Jamb	Optional	No	Optional	Optional	Optional

SCREENS

1/2 Screen Material	Roll Form	Roll Form	Roll Form	Roll Form	Extruded
Full Screen Material	N/A	N/A	N/A	Extruded (optional)	Extruded
Standard Screen Size	Half	Half	Half	Half (Extruded optional)	Full

COLOR OPTIONS

Solid White	Yes	Yes	Yes	Yes	Yes
Solid Almond	Yes	Yes	Yes	Yes	Yes
Solid Clay	N/A	Yes	Yes	Yes	N/A
Painted Colors	N/A	9	9	9	9
Wood Laminates	N/A	N/A	N/A	N/A	3
Exterior Bronze Laminate	N/A	Optional	N/A	N/A	N/A

WARRANTY

Glass Warranty	25 Year	25 Year	25 Year	25 Year	Lifetime
General Warranty	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Glass Breakage and Labor Warranty	N/A	Optional	Optional	Optional	Lifetime
Labor Warranty	N/A	Optional	Optional	Optional	Optional



GLOSSARY OF TERMS

Air Infiltration	The amount of air leaking in and out of a building through cracks in walls, windows and doors. Windows are tested by independent labs at a 25 MPH force. The leaking air is measure in cubic feet per minute. The industry standard is less than .30 or 30% of a cubic foot of air. ReliaBilt windows can be as low as .08 for our 3900 series windows.
Argon	A gas that is heavier than air and can be used to fill the airspace of an insulated glass unit. Argon is a safe, colorless, odorless, tasteless, non-toxic gas, which is six times denser than air. Argon increases the insulating value of an insulated glass unit as well as improves sound insulation.
Design Pressure	The pressure a product is designed to withstand. This value is a measure of a product's capacity to withstand the forces of wind loading, in both positive and negative directions, while it is closed and locked. The higher the DP rating the more structurally sound the window will be. ReliaBilt boasts the industry's highest rating on any Vinyl Double Hung: DP-60.
ENERGY STAR®	A government-backed program helping businesses and individuals protect the environment through the use of high-efficiency products. ENERGY STAR® qualifying products, such as windows and doors, mean these items use less energy, save money and help protect the environment in the specified region.
Insulated Glass (IG)	A combination of two or more panes of glass hermetically sealed with optimal air space for energy efficiency. This space may or may not be filled with an inert gas, such as argon.
Low-E (Emissivity) Glass	Glass treated with a thin transparent coating of metal oxide and silver. Allows natural light and short-wave heat energy to freely penetrate glass during the winter while reflecting long-wave heat energy back outside during the summer months. Keeps your home cool in the summer and warm in the winter. It reduces the penetration of ultraviolet rays to minimize fading of carpet and draperies.
R-Value	Resistance to thermal transfer or heat flow. Higher R-Value numbers indicate greater insulating value. It is the inverse of the U-Value ($R=1/U$).
U-Value (U-Factor)	The rate of heat transfer through a window or door. The lower the U-value, the better the insulating properties of the unit or glazing system.
Weather Stripping	Variously shaped metal, vinyl, plastic or fiber strips that fit tightly against the window or doorframe to resist air infiltration through cracks.
Wind Load	Force extended on a surface by moving air. ReliaBilt products are the industries strongest rated in correlation with our High DP ratings. The higher the wind capacity the stronger the window will be.
Warm Edge Glass	The spacing system between the panes of glass with properties that conduct less than standard aluminum spacers that touch the glass without a thermal break.



300 Welcome Center Blvd, PO Box 1869, Welcome NC 27374-1869

105 Single Hung Window

Features:

- 1 3/8" Nail-fin setback for brick veneer construction and select stucco applications
- Sweep lock helps provide a weather-tight seal and added security
- Versatile half screen installs easily from inside
- Double insulated glass provides energy saving efficiency
- Sloped sill reduces air infiltration & accommodates easy water run-off
- Built-in accessory channels accommodate multiple installation options
- Fusion-welded frame and sash minimizes water and air infiltration and enhances overall durability
- Limited lifetime warranty provides reassuring peace of mind
- Modular sized so that rough opening widths for multiple units are easy to calculate: 105 Single = 35.5", 105 Twin = 71.5", 105 Triple = 107.5"
- Jamb depth: 2.625"

Custom Options:

- 5/8" or 3/4" flat, 5/8" or 1" contoured, 5/8" contoured valance grids available
- Glass options: Low-E Glass; Low-E Glass with Argon Gas; Ultra Low-E Argon
- Factory mulling of twins, triples and architectural shapes
- Custom sizes available
- Window Opening Control Device (for fall prevention)

Product Performance:

AAMA 101 Results:

Window Size	AAMA Rating (psf)	Air (cfm/ft ²)	Water (psf)
44" x 96"	LC35	0.04	7.52
33" x 96"	LC50	0.04	7.52
108" x 72"	R50	0.03	7.52
84" x 84"	R35	0.02	7.52
107" x 84"	R35	0.03	7.52

Product Dimensions:

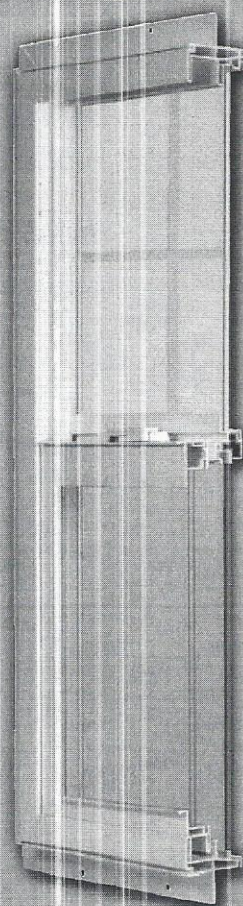
Vinyl Wall Thickness:	0.062"
Glass Thickness:	0.750"
Jamb Depth:	2.625"
Nail Fin Setback:	1.375"

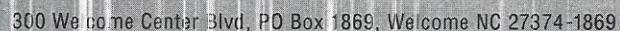
Rough Opening:

Window Width + 1/2"
Window Height + 1/2"

Size Restrictions:

	Min:	Max:
Width	16 7/8"	48"
Height	27"	96"
(Max. United Inches 126")		





Egress Formulas:

Egress Width $\geq 20"$ and Egress Height $\geq 24"$ and Egress Area $\geq 5.7 \text{ ft}^2$ required to meet egress.

Egress Width Formula: $\text{Single} = \text{window width} - 2.625"$

$$T_{win} = (\text{window width}/2) - 2.875"$$

Triple = (window width/3) - 2.958"

Egress Height Formula = (window height/2) - 4.75"

Egress Area Formula = (Egress Width x Egress Height)/144

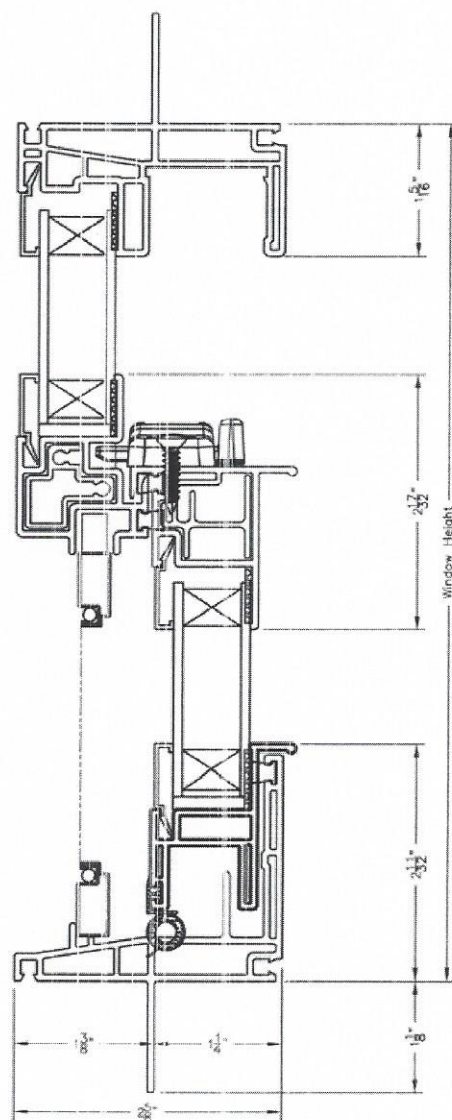
Screen Sizes:

Width Single = window width - 1.4375"

$$\text{Twin} = (\text{window width}/2) - 1.6875"$$
$$\text{Triple} = (\text{windcwidth}/3) - 1.8125''$$

Height: (window height/2) - 0.4375"

Technical drawing of a door profile showing cross-sections A-A and B-B. The drawing includes dimensions for various parts of the profile, such as widths and heights, and labels for components like the door leaf, frame, and hardware.



[Back to Quote](#)

LOWE'S HOME CENTERS, LLC #179

3463 NW BASCOM NORRIS DRIVE,

LAKE CITY, FL 32055-4712

USA

(386) 719-6622

Date: 10/19/2020



Project #:

653153592

Description:

Garage Windows

Customer Name:

ED REYNOLDS

Customer Phone:

(386) 758-7503

Customer Address:

154 SW CYPRESSWOOD GLENN
LAKE CITY, FL 32028
USALine Item
Frame SizeProduct Code
Description

Unit Price

Quantity

Total Price

0001

Manufacturer: Reliabl by Atrium

Size = 29 1/2-in W x 71 1/2-in H

15% off Select SOS Windows and Doors from 10/08/20 to 10/21/20

U-Value:0.49, SHGC:0.58

- DP50: Size Tested 36-in x 96-in/ Florida Approval Code: FL20100

DP Code and Florida Approval Code only valid up to window size tested

Division: Millwork

Product: Windows

Type: Single Hungs

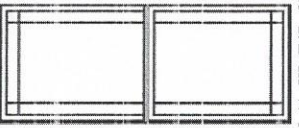
Manufacturer: Reliabl by Atrium

Will this product be installed by Lowe's: Not Installed By Lowe's

Product Type: Single Hungs

Product Line: New Construction

Series: 105



\$177.56

1

\$177.56

Unit Configuration: Twin Units
Composite Direction: XX
Sash Configuration: Equal
Actual Width: 59 1/2-in
Actual Height: 71 1/2-in
Fits Opening Width: 60-in
Fits Opening Height: 72 in
Color: White
See in-store displays for exact color samples for both interior and exterior color.
Glass Energy Efficiency: No Low-E
Glass Color: Clear
The graphics present an estimation of the color and are not a completely accurate representation.
Glass Strength/Safety: Double Strength
Grid Type: 3/4-in
Grid Style: Perimeter Prairie
Grid Position: Both Sashes
Hardware Color: Color Matched
Egress Opening: , Egress: 26 7/8-in W x 31-in H, 5.79 Sq. Feet
Screen: Half Screen
Screen Shipping Option: Installed in Window
Breather Tubes: No
Extended Coverage: None
Lead Time: 35 Days
Item Number: 362170

Salesperson: WILLIAM JOHNS (S0179WJ2)

Accepted by: _____

Date: 10/19/2020

Project Total: **\$557.94**

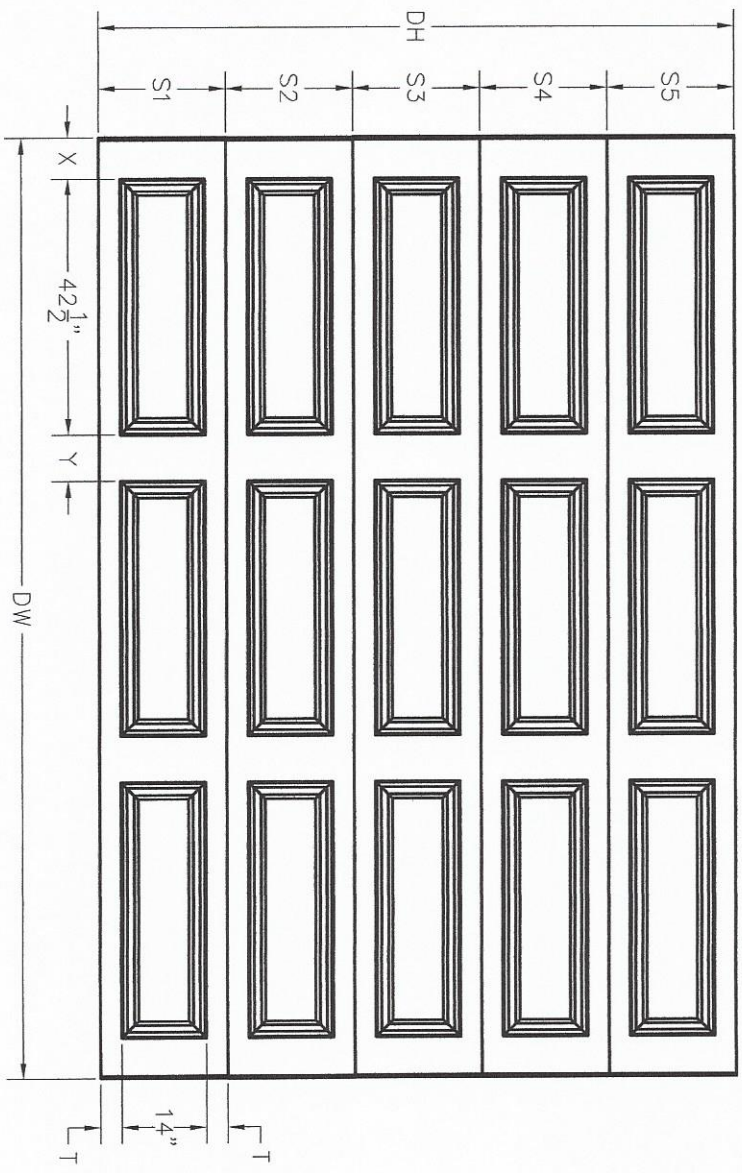
[Print Detailed Quote](#)

This quote is an estimate only and valid for 30 days on all regularly priced items. For promotional items please refer to the dates listed above. This estimate does not include tax or delivery charges. Estimated arrival will be determined at the time of purchase. All of the above quantities, dimensions, specifications and accessories have been verified and accepted by the customer. **** Special order configured products are subject to a 20% restocking fee if returned. ****

REVISIONS			DESCRIPTION
REV. NO.	DATE	RELEASED	
00	4/1/16	RELEASED	
01	05/06/17	UPDATED STACKING & NOTES	

- NOTES:**
- 1.) CUSTOMER TO SELECT TRACK & COUNTERBALANCE OPTIONS WHEN PLACING ORDER.
 - 2.) STANDARD DOOR CONFIGURATION INCLUDES ONE SIDE LOCK. OTHER LOCK OPTIONS ARE AVAILABLE.
 - 3.) "T" VALUES FOR SECTIONS ARE: 21"=3.50"
18"=2.00"

DH	S1	S2	S3	S4	S5
7'-6"	18"	18"	18"	18"	18"
7'-9"	18"	18"	18"	18"	21"
8'-0"	21"	18"	18"	18"	21"
8'-3"	21"	21"	18"	18"	21"
8'-6"	21"	21"	21"	18"	21"
8'-9"	21"	21"	21"	21"	21"



DW	X	Y
11'-4"	2.25"	2.00"
11'-6"	2.75"	2.50"
11'-8"	3.25"	3.00"
11'-10"	3.75"	3.50"
12'-0"	3.75"	4.50"
12'-2"	4.75"	4.50"
12'-4"	4.75"	5.50"
12'-6"	5.75"	5.50"
12'-8"	6.75"	5.50"
12'-10"	5.75"	7.50"
13'-0"	6.75"	7.50"
13'-2"	7.75"	7.50"
13'-4"	7.75"	8.50"
13'-6"	7.75"	9.50"
13'-8"	8.75"	9.50"
13'-10"	8.75"	10.50"
14'-0"	10.25"	10.50"
14'-2"	10.75"	10.50"
14'-4"	11.25"	11.00"
14'-6"	11.75"	11.50"
14'-8"	12.25"	12.00"
14'-10"	12.75"	12.50"

Clorpay®
Building Products Company

**FRONT ELEVATION
VIEW DRAWING**

IMPORTANT: This document must be signed and returned prior to any fabrication. Please reference this drawing number on all correspondence. Thank you!

NOTICE: Confidential/Proprietary information of Clorpay Building Products Co. is contained herein and may not be disclosed, used, duplicated, made available, or distributed without its prior consent. Failure to observe this notice may result in liability for any damages and losses resulting therefrom.

DRAWN BY: BMW

DATE: 4/1/16

APPROVAL SIGNATURE:

APPROVAL DATE:

CUSTOMER: LONG PANEL

JOB: FRONT ELEVATION

CSR/DC: TROY, OHIO

DRAWING NUMBER: CLA-6P-5S-LP-SOL-0

REV. 01

SHEET: 1 of 1

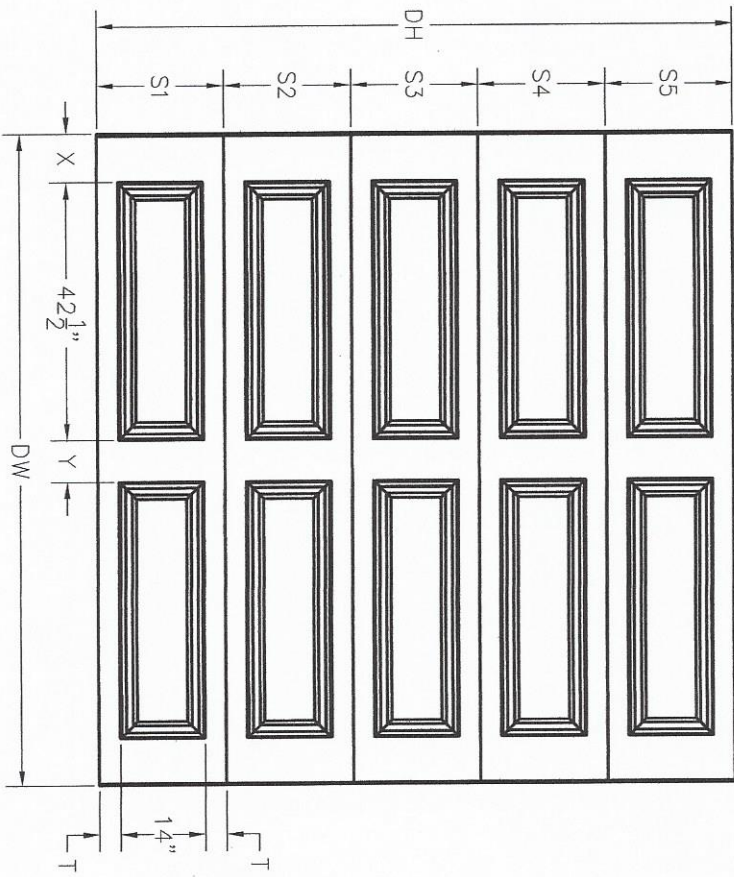
REVISIONS		
REV. No.	DATE	DESCRIPTION
00	4/1/16	RELEASED
01	05/06/17	UPDATED STACKING & NOTES

FL Approval # 1579.20

- NOTES:**
- 1.) CUSTOMER TO SELECT TRACK & COUNTERBALANCE OPTIONS WHEN PLACING ORDER.
 - 2.) STANDARD DOOR CONFIGURATION INCLUDES ONE SIDE LOCK. OTHER LOCK OPTIONS ARE AVAILABLE.
 - 3.) "T" VALUES FOR SECTIONS ARE: 21"=3.50" 18"=2.00"

DH	S1	S2	S3	S4	S5
7'-6"	18"	18"	18"	18"	18"
7'-9"	18"	18"	18"	18"	21"
8'-0"	21"	18"	18"	18"	21"
8'-3"	21"	21"	18"	18"	21"
8'-6"	21"	21"	21"	18"	21"
8'-9"	21"	21"	21"	21"	21"

DW	X	Y
8'-0"	4.00"	3.00"
8'-2"	4.50"	4.00"
8'-4"	5.00"	5.00"
8'-6"	6.00"	5.00"
8'-8"	6.50"	6.00"
8'-10"	7.00"	7.00"
9'-0"	8.00"	7.00"
9'-2"	8.50"	8.00"
9'-4"	9.00"	9.00"
9'-6"	9.75"	9.50"
9'-8"	10.50"	10.00"
9'-10"	11.00"	11.00"
10'-0"	12.00"	11.00"
10'-2"	12.50"	12.00"
10'-4"	13.00"	13.00"
10'-6"	14.00"	13.00"
10'-8"	14.50"	14.00"
10'-10"	15.00"	15.00"
11'-0"	16.00"	15.00"
11'-2"	16.50"	16.00"



Clopay® Building Products Company		FRONT ELEVATION VIEW DRAWING	
IMPORTANT: This document must be signed and returned prior to any fabrication. Please reference this drawing number on all correspondence. Thank you!		NOTICE: Confidential/Proprietary information of CLOPAY BUILDING PRODUCTS CO. is contained herein and may not be disclosed, used, duplicated, made available, or distributed without its prior consent. Failure to observe this notice may result in liability for any damages and losses resulting therefrom.	
DRAWN BY: BMW	DATE: 4/1/16	APPROVAL SIGNATURE:	
CUSTOMER: LONG PANEL		DRAWING NUMBER: CLA-4P-SS-LP-SOL-0	
JOB: FRONT ELEVATION		REV. 01	
CSR/DC: TROY, OHIO		SHEET: 1 of 1	