



Prices subject to change at any time. Ohana Steel Buildings reserves the right to correct errors or omissions in this proposal.



Proposal for Davey Duarte

Hana Recreational Center Pre-Engineered Building Kit

October 22, 2025



Ohana Steel Buildings

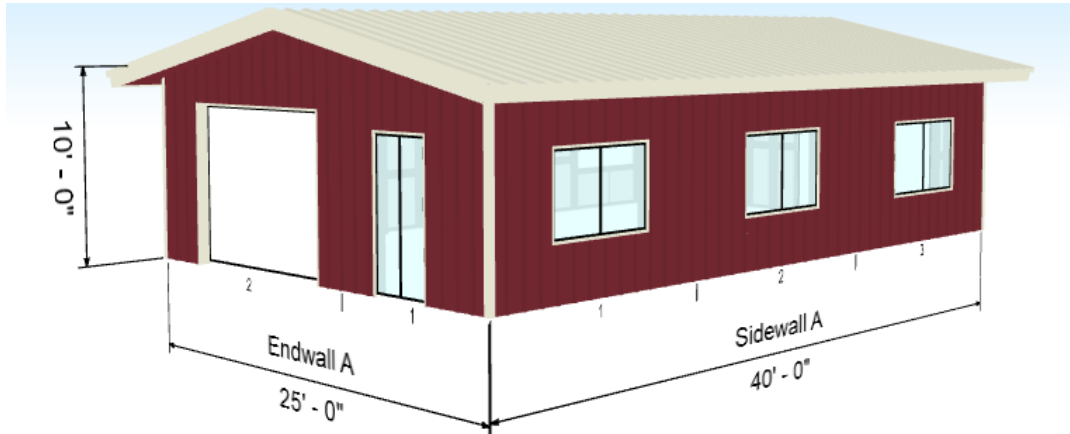
808-573-8522 Phone

Kathy@ohanasteelbuildings.com

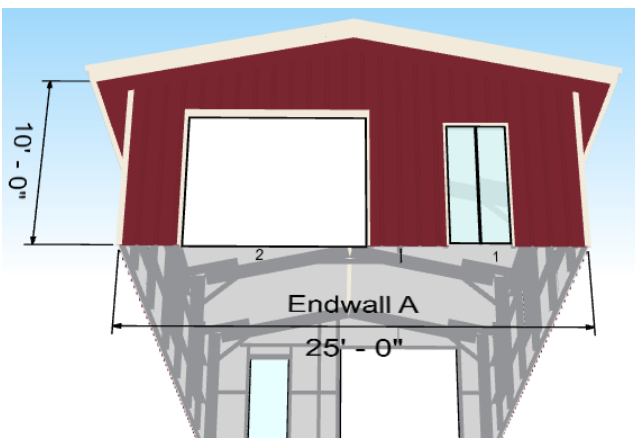
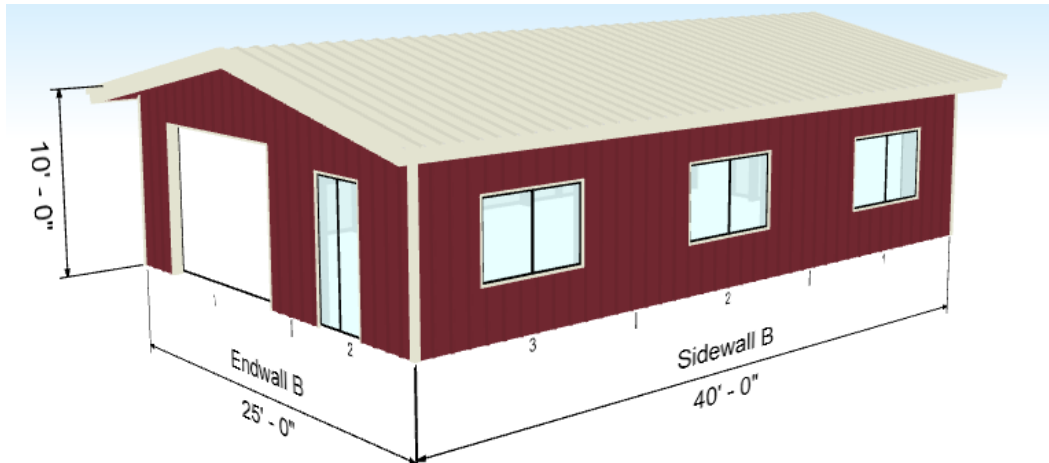
Description	Price Each	Quantity	Total Price Buildings Purchased Together
Price for each kit with all listed included items	\$ 49,850.00	3	\$ 149,550.00

Layout based upon customer discussions

3-D view - Side A

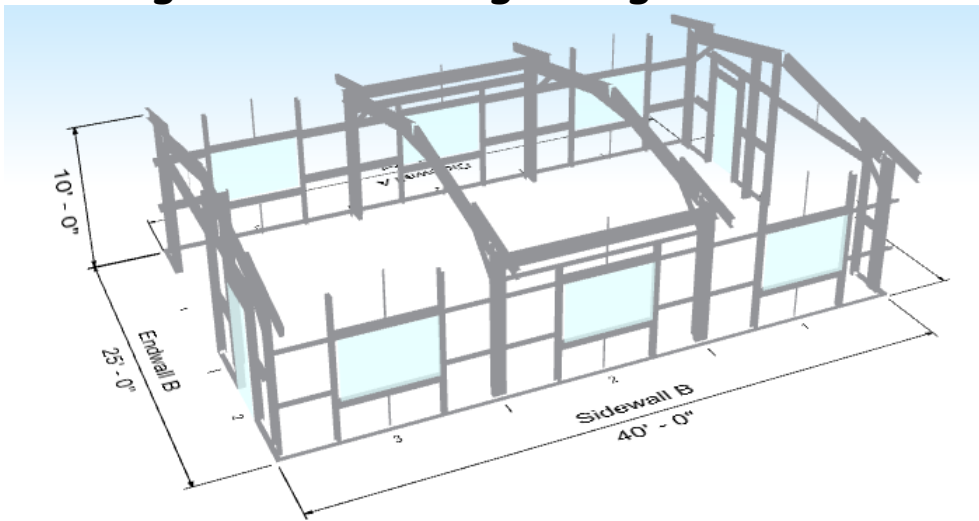


3-D view - Side B

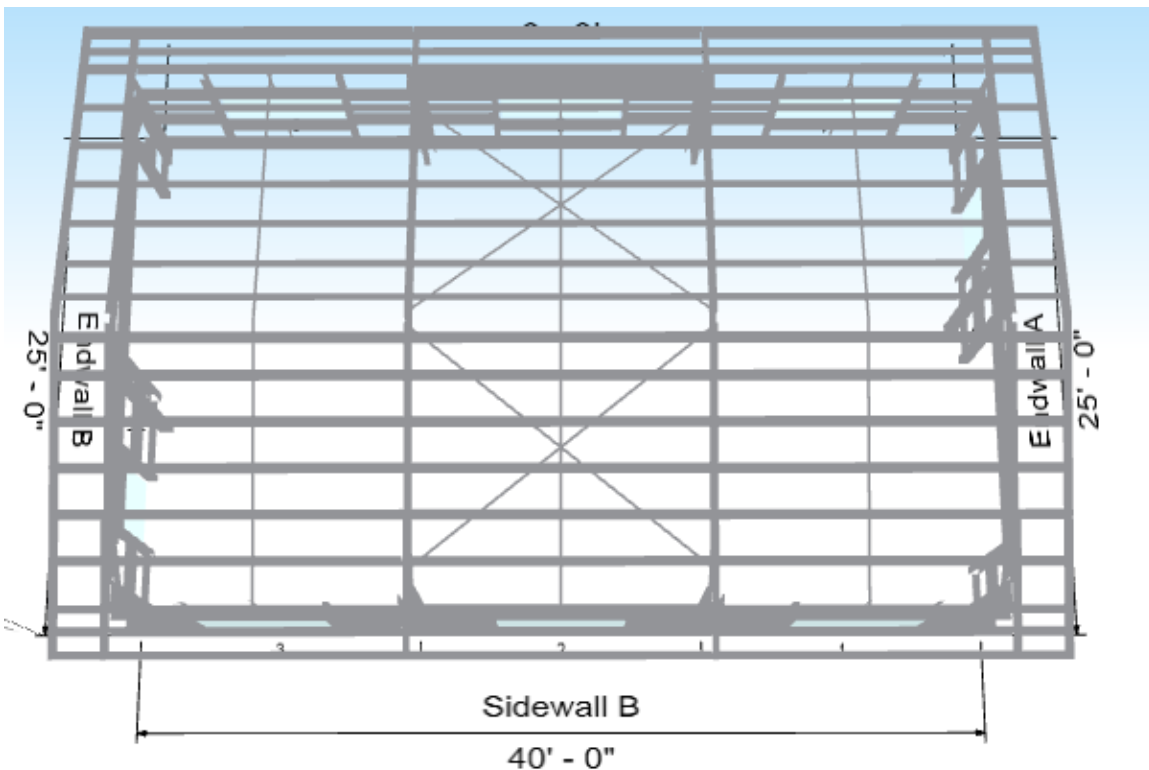


Door openings opposite each end to allow maximum air flow through garage doors when open.

Building frame showing wall girts



Building frame showing roof purlins spaced 2' on center

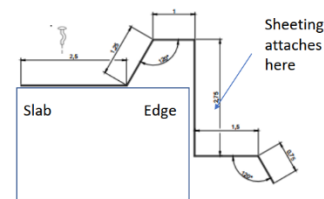


Foundation estimate for your building

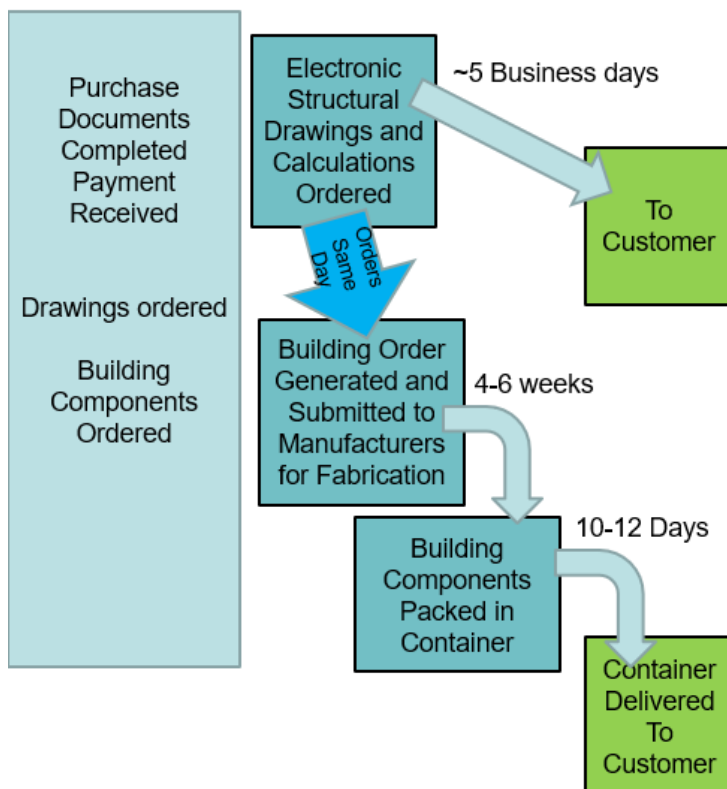
Sidewall Foundation Estimate:	4" slab with 1' - 6" deep and 1' - 2" wide thickened edge, with (1)-#5 reinforcing at the top of the slab edge, and (1)-#4 reinforcing at the bottom of the slab edge
Endwall Foundation Estimate:	4" slab with 1' - 6" deep and 1' - 6" wide thickened edge, with (1)-#5 reinforcing at the top of the slab edge, and (1)-#4 reinforcing at the bottom of the slab edge

Our formed base angle allows the sheeting to cover the side of the slab creating a sealed building.

This is the formed base angle that we provide. This piece lays flat on the slab and the sheeting sits on this lip so each piece lines up exactly the same. When installed with the bottom closure strip, the sheeting is sealed.



Building Project
Starts with Purchase From
Ohana Steel Buildings



Your container will be delivered to Kahului base yard where you will have to unload and transfer building components to Hana



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Building Description

The building footprint is 1,000 square feet 25' wide by 40' long and 10' high at the eave. Roof pitch is 2.55"/12" with peak at ~12.5'. The risk category III building is engineered for wind speed 166 exposure C following 2018 IBC building codes. Foundation is monolithic slab and building is one story.

Building is made of G90 cold rolled galvanized steel. Your building arrives pre-cut and pre-punched for easy bolt together and self-taping screw assembly. Our buildings require no welding and minimal cutting on site. Minimal cutting includes but is not limited to coping knee, apex braces and sheeting and trim pieces. No shear wall is required - roofing and siding attach directly to structural steel.

Our building system is based upon bays. Your building has 3 side bays and 2 end bays. Our buildings use knee and apex braces for structural support, eliminating the need for trusses or I-beams.



Prices subject to change at any time. Ohana Steel Buildings reserves the right to correct errors or omissions in this proposal.



Included in price - everything you need for the building shell on your foundation:

1. Structural steel for building with 2' roofline overhangs
2. PBR 24-gauge siding and roofing
3. All screws, bolts, and fasteners for erection
4. Framing and trim for two Janus model 3652 high wind rated 10' wide by 8' high roll-up garage doors
5. Two pre-hung steel personal doors with lever handle, panic bar opener and automatic closure device. Doors are ADA compliant width.
6. Framing and trim for six 6' wide by 4' high windows
7. On-line construction videos and instruction manuals at www.ohanasteelbuildings.com
8. Stamped structural drawings and calculations for building and foundation
9. Delivery of all building components to Kahului DHX base yard

Not included:

1. Windows
2. Garage doors
3. Foundation, erection or finishing

4. Container unloaded at DHX base yard
5. Delivery from Kahului to Hana jobsite
6. Permits, application for permits or any other documentation other than what was previously included.

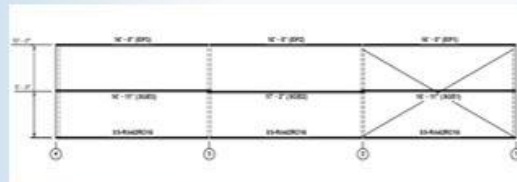
Our buildings are easy to erect!

Customers Ask 'How Do I Know Where the Pieces Go?'

- Structural Drawings
- Order Shows Piece Mark



	8	16' - 11"	ALLIANCE-ZEE	Zee - 6 x 2.5 - 14ga R/O	Purlin, Bay 3	PUN3
	1	16' - 11"	ALLIANCE-ZEE	Zee - 6 x 2.5 - 14ga R/O	Sidewall A Girt, Bay 1	SGA1
	1	6' - 9 1/8"	ALLIANCE-ZEE	Zee - 6 x 2.5 - 14ga R/O	Sidewall A Girt, Bay 2	SGA2
	1	6' - 6 1/8"	ALLIANCE-ZEE	Zee - 6 x 2.5 - 14ga R/O	Sidewall A Girt, Bay 3	SGA3
	1	16' - 11"	ALLIANCE-ZEE	Zee - 6 x 2.5 - 14ga R/O	Sidewall B Girt, Bay 1	SGB1
	1	17' - 2"	ALLIANCE-ZEE	Zee - 6 x 2.5 - 14ga R/O	Sidewall B Girt, Bay 2	SGB2
	1	16' - 11"	ALLIANCE-ZEE	Zee - 6 x 2.5 - 14ga R/O	Sidewall B Girt, Bay 3	SGB3



we make **COLD FORMED BUILDINGS** easy

Construction Package Notes

This construction package is to be used in conjunction with the created order for the job. All lengths and piece marks of materials in this package will correspond to an item in the order. For example, on the Sidewall A girt layout, there will likely be an item with a piece mark of SGA1. This will correspond to a line item in the order with the piece mark of SGA1. Products that do not include a piece mark will be marked with the product code.

All girt layout and sheeting layouts drawings in this construction package are exterior views, and in these illustrations, components are drawn as if viewed from the outside of the building.

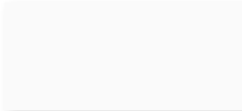
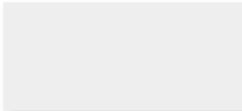
All drawings in this construction package are for reference only, and are to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

Color chart for roofing, siding, and trim.

Color Guide

TTS Metal Sales™

PVDF Paint System
metalsales.us.com

			
Linen White (81)	Snowdrift White (W81)	Sandstone (W51)	Khaki (88)
			
Medium Bronze (H4)	Mansard Brown (133)	Weathered Copper (W50)	Dark Bronze (50)
			
Taupe (74)	Tahoe Blue (W71)	Regal Blue (W35)	Matte Black (106)
			
Ash Grey (25)	Old Town Grey (W25)	Old Zinc Grey (W29)	Slate Grey (W38)
			
Classic Green (66)	Aged Copper (65)	Colonial Red (W75)	Patriot Red (73)
			
Mistique Plus (W31)*	Metallic Silver (K7)*	Champagne Metallic (168)*	Copper Penny (W92)*
	All colors carry a 45 year limited warranty. Color swatches shown are close representations but are limited by printing and viewing conditions. Actual samples are available by request. *Upcharge will apply.		
Galvalume® (41)			

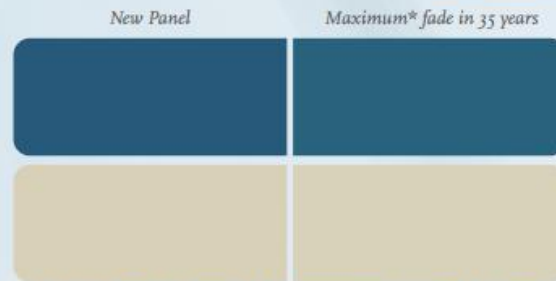
24-gauge roofing and siding is included

PVDF (Kynar 500) Finish

THE WINNING DEFENSE AGAINST NATURE'S OFFENSE

35 Year
COLOR PERFORMANCE
Warranty

Metal Sales PVDF (Kynar 500®) finish couples premium ceramic pigments with fluoropolymer resins for long life resistance against color fading and chalking. As a result color performance is warranted for a full 35 years in accordance with ASTM test standards. All metal panel finishes will fade with years of sun exposure. However, panels from Metal Sales with PVDF (Kynar 500) will look almost as good years from now as they did in their first year. Visit www.metalsales.us.com for complete warranty details.

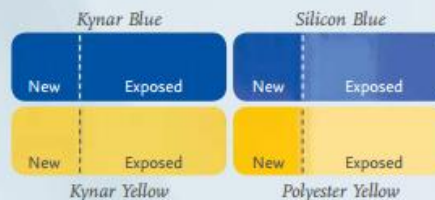


35 YEAR KYNAR 500 FADE PERFORMANCE CHART

* Based on extreme, real outdoor, south Florida exposure performance data; exposure conditions in more northerly climates will likely demonstrate greater performance (less fade). This chart represents a maximum allowable fade over thirty-five years measured as five Hunter units. This chart is a mechanical representation and may vary slightly from actual test panels.

KYNAR COMPARED TO OTHER COATINGS

Blue: 15 years exposure Yellow: 17 years exposure



With excellent exterior durability this PVDF steel panel color coating will keep you in the game right into overtime. PVDF (Kynar 500) coated panels from Metal Sales Manufacturing provide such an outstanding defense against ultraviolet radiation that they are warranted for 35 years against chalking and fading.

This exceptional color and gloss retention is not possible with any other coating available today.

Also warranted against blistering, cracking and peeling for 45 years, PVDF (Kynar 500) coating is architect preferred and your best defense against the rigors of nature and atmospheric pollution.





Demonstrating its competitive edge, PVDF (Kynar 500) performance leads the league in defense against the sun, weather and pollution. Its carbon-fluorine chemistry creates one of the strongest bonds in the universe. It is warranted against blistering, cracking and peeling for 45 years. Visit www.metalsales.us.com for complete warranty details.

PVDF (Kynar 500) Coating System

The PVDF (Kynar 500) system is tougher than just the front line; its superior performance is a result of a layered, fluoropolymer bonded coating system, each component layer providing a unique performance characteristic.

Topcoat | Premium ceramic and inorganic pigmented PVDF (PolyVinylidene DiFluoride) for exceptional color durability and gloss retention

Primer | UV & moisture resistant modified polyester, provides corrosion resistance and bonding

Chemical Rinse | Acts as a sealer providing additional corrosion protection

Pretreatment | Promotes adhesion, moisture and corrosion resistance

Galvanized or Galvalume® | Barrier protection on base steel, inhibits corrosion

BARE STEEL | Mill certified meeting ASTM standards

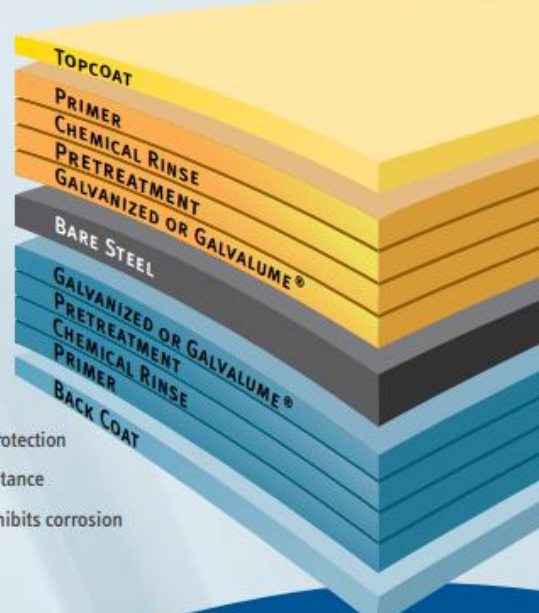
Galvanized or Galvalume®

Pretreatment

Chemical Rinse

Primer

Back coat | Finish coat on backside, covers primer and insures consistent color



Cool Roofing

Reduce building energy use by up to 50% with select PVDF (Kynar 500) colors

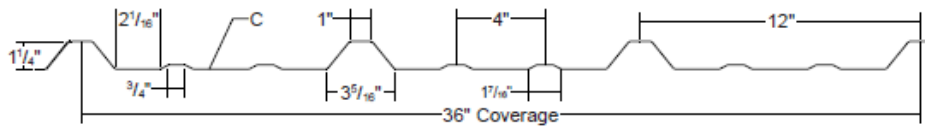
Metal Sales recognizes that architects and consumers are becoming more and more concerned with ways of making their building project more energy efficient. All of Metal Sales' PVDF (Kynar 500) colors are ENERGY STAR® listed. They use special pigments for solar reflectance to meet ENERGY STAR guidelines. These

Metal Sales roof panels are "Eligible Building Envelope Components" that qualify for tax credits for consumers and LEED (Leadership in Energy and Environmental Design) credits for architects. See www.metalsales.us.com for complete details and certificates.



PBR-PANEL

CONDENSED TECHNICAL REFERENCE



COMMERCIAL
INDUSTRIAL
PANEL

DIRECT
FASTEN

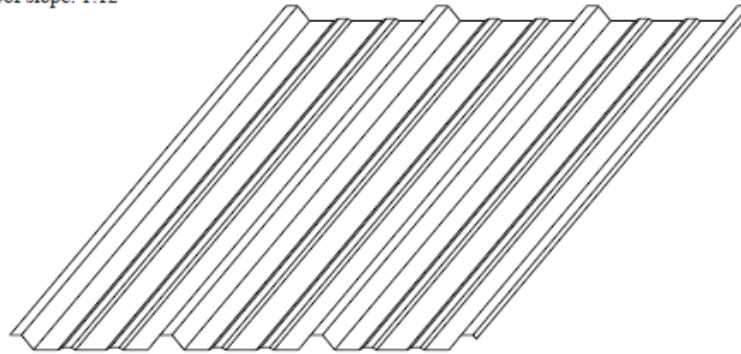
36"
COVERAGE

MINIMUM
SLOPE
1:12

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

- ▶ Finishes: Kynar 500 (PVDF), MS Colorfast45*, and Acrylic Coated Galvalume®
- ▶ Gauges: 26ga and 24ga standard, 22ga optional
- ▶ 36" panel coverage, 1 1/4" rib height
- ▶ Applies over open framing or solid substrate
- ▶ Exposed fastened metal building panel
- ▶ Trapezoidal rib on 12" centers
- ▶ Minimum roof slope: 1:12



TESTING

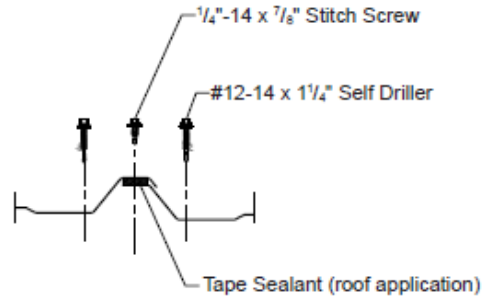
- ▶ UL 2218, Class 4 Impact Resistance
- ▶ UL 790, Class A Fire Resistance Rating
- ▶ Florida Building Code Approved 7490.3, 9482.3
- ▶ UL 580, Class 90 Wind Uplift Construction #161
- ▶ Miami-Dade County Approved Roof: 03-1210.03 Wall: 03-0430.08

metal sales
manufacturing corporation
ms

PBR-PANEL

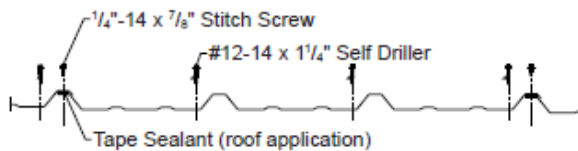
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

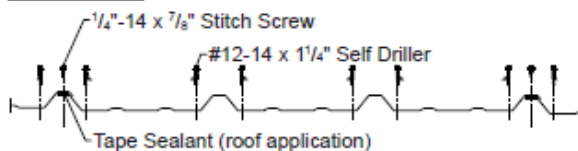


FASTENING PATTERNS

Field of Panel



Ends of Panel



GENERAL INFORMATION

► Slope

The minimum recommended slope for PBR-Panel is 1:12. Metal Sales recommends that in all roof applications, sealants be used on all sidelaps with stitch screw 1'-0" on center.

► Substructure

PBR-Panel is designed to be utilized over open structural framing, but can easily be used with a solid substrate. To avoid panel distortion, use a properly aligned and uniform substructure.

► Coverage

PBR-Panels are available in a 1/4" rib height with a coverage width of 36".

► Length

Minimum factory cut length is 5'-0". Maximum recommended panel length is 45'-0". Longer panels require additional consideration in packaging, shipping, and erection. Please consult Metal Sales for recommendations.

► Fasteners

The fastener selection guide should be consulted for choosing the proper fastener for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.

NOTE: All panels are subject to surface distortion due to improperly applied fasteners. Overdriven fasteners will cause stress and induce oil canning across the face of the panel at or near the point of attachment.

► Availability

Finishes: Acrylic Coated Galvalume®, MS Colorfast45®, or various Kynar 500 (PVDF) colors.
Gauges: 26ga and 24ga standard, 22ga optional

SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS PSF (3 or More Equal Spans)											
Ga.	Width (In.)	Yield KSI	Weight PSF	Top In Compression		Bottom In Compression		Inward (Gravity / Deflection) Load						Outward Uplift (Stress) Load					
				I _{xx} In ⁴ /ft	S _{xx} In ³ /ft	I _{yy} In ⁴ /ft	S _{yy} In ³ /ft	2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
26	36"	80	0.91	0.0360	0.0358	0.0313	0.0452	256	127	74	49	34	23	217	104	60	39	27	20
24	36"	50	1.17	0.0560	0.0578	0.0457	0.0613	330	153	88	57	39	29	314	145	83	53	37	27
22	36"	50	1.51	0.0800	0.0856	0.0633	0.0813	451	206	117	75	52	39	472	217	123	79	55	40

- Theoretical section properties have been calculated per AISI 2001 "Specification for the Design of Cold-formed Steel Structural Members." I_{xx} and S_{xx} are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending and shear, deflection, and applicable testing when available. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase in uplift.

Doors with options are included



"Better Doors Make Better Buildings"

PREASSEMBLED DOOR

WITH PREMIUM POWDER COATED FINISH

The Global Preassembled Door is a premium product for the commercial construction industry. Global has unveiled the first and only powder-coated door system to the industry. The Global Preassembled Door has distinguished itself as the leader in quality, touting a robust 18 gauge door leaf with durable heavy-duty Grade 1 hardware. From initial fabrication to final assembly, the Global Preassembled Door sets itself apart from its competition in both performance and aesthetics.

Standard Features Include:

- 18 Gauge Powder-Coated, Insulated Door Leaf
- 16 Gauge Powder-Coated Frame
- Grade 1 Heavy Duty Cylindrical Lever Lock
- NRP Ball-Bearing Hinges
- Aluminum ADA Threshold
- Concealed Bottom Sweep
- Kerf-Style Weatherseal
- Galvannealed Steel Subframe
- Heavy Duty Wood Crating for Shipping



Doors come in powder coated white and open out. Lever handle, panic bar opener and automatic closure device.



Roll-up doors are not included. Framing is included for this model high wind rated door.



commercial
3652

The **3652 Commercial Series** is our certified wind load rated rolling sheet door that meets specified wind loads required by even the most stringent building codes. Independent laboratory testing proves how durable and strong this door really is. The quick installation and smooth operation further demonstrates how user friendly this door is. Backed by a one year warranty, this door is built to perform.



**Maximum
18'x 14'**

Available in sizes up to 18' x 14' and in more than 30 colors, customized for your application.



Medium-Duty Application

Ideal for medium-duty locations, such as warehouses, commercial buildings, and freight terminals.



Wind Load Rated

Superior construction and innovative design make this door able to withstand heavy winds and extreme weather.



Quality Guaranteed

One-year door warranty. For paint, 35-year no-fade, 40-year film integrity.



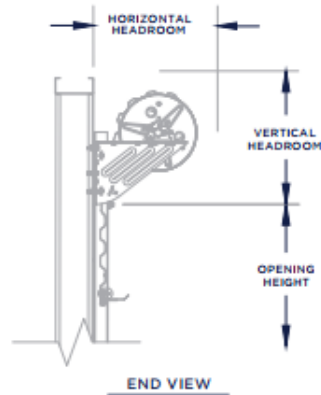
COMMERCIAL

Features

- » **Pre-Lubricated Springs**
During production, springs are factory lubricated and enclosed in a tube to protect them from the environmental elements.
- » **Dead Axle & Barrel Assembly**
An enclosed spiral barrel houses the dead axle assembly and offers durability and smoother operation as weight is distributed throughout the barrel.
- » **26-Gauge Corrugated Door Curtain**
Manufactured from galvanized grade 80 steel and coated with super durable polyester paint in more than 30 color options.
- » **Insulated Version Available**
Top draft and side draft stops included.



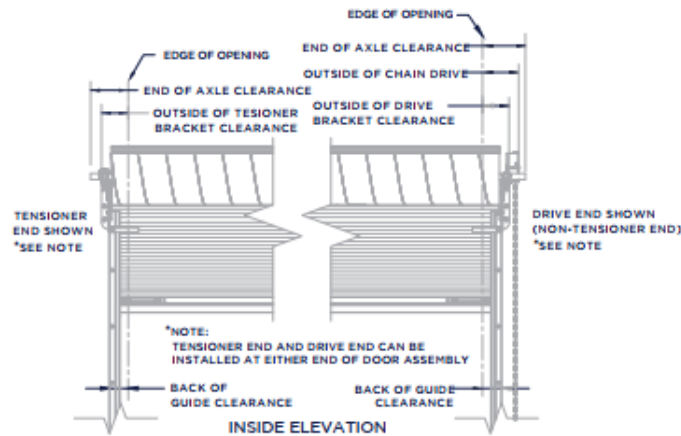
commercial
3652



Universal mount 2.25" deep
14-gauge galvanized steel wind bar
guides require no pre-installation
modifications for steel, concrete or
filled masonry block applications.

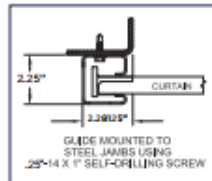
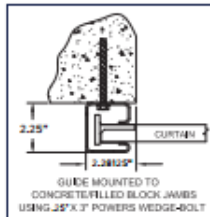
IMPORTANT NOTES:

- Dimensions are referenced from edge of opening.
- Tensioner end and drive end can be installed at either end of door assembly.
- FOR CRITICAL FITS DUE TO REDUCED AVAILABLE HEADROOM or SIDEROOM CLEARANCES, CONSULT FACTORY.



SPECIFICATIONS

Guide Details



HIGHLIGHTS:

- B** Barrel: 12"
 - G** Guide: 2.25", 14-gauge
 - 5:7:1** reduced-drive chain hoist offers smoother operation on doors over 10' tall.
- Visit JanusIntl.com for technical drawings, color options and more.

Head Room Requirements

Opening Height	Vertical Headroom	Horizontal Headroom
Thru 8'0"	20"	20"
Over 8'0" thru 10'0"	21"	21"
Over 10'0" thru 14'0"	21.5"	21"

Side Room Requirements

Operation	Guide	Outside of Bracket Tensioner End	Outside of Head Chain Drive	Outside of Bracket Drive End	Each End of Axle
Push Up	2.25"	4"	N/A	4"	7"
Reduced Drive Chain	2.25"	4"	6.5"	6"	7"
Electric	2.25"	4"	N/A	5.5"	7"

2024-02

HEADQUARTERS

Janus International Group
135 Janus International Blvd.
Tempe, GA 30179

PLEASE VISIT OUR WEBSITE FOR ADDITIONAL INFORMATION:

- ADA Compliance
- Color Options
- Installation
- Technical Drawings
- Warranty
- Additional Locations

866-562-2580
JanusIntl.com
marketing@janusintl.com

EZ seal Green insulation is included for roof



Commercial Insulation



BENEFITS OF LOW-E INSULATION:

- Increases energy savings
- Non-toxic, no fiberglass – no itching
- Excellent vapor barrier
- Installs easily with razor knife and foil tape
- Superior thermal performance
- Flexible and durable
- Improves insulation system performance
- Insect/Bird resistant
- Great for new construction or retrofits
- Reflects up to 97% of radiant heat
- Helps Deaden Sound



Low-E can be used in all facets of the building industry where conventional insulations are used. It can be used alone or in conjunction with mass insulations for high R-systems. From large commercial buildings, light gauge steel to post frame structures. Low-E can be used to save money on heating and cooling costs. ESP LOW-E® Insulation is easy to handle and will not tear or puncture easily. It is flexible and seals tight around fasteners. With our Foil or White Foil facings and our EZ Seal Tab, Staple Flange or Trimmed edges to go with them, we have the products to make your building as energy efficient as possible while promoting a healthier indoor environment.



Discover even more ways to lower energy costs with ESP LOW-E® Insulation



Scan code to see Install Guide



Edgings Available



EZ Seal



Trimmed



Staple Flange

Green building is not just a trend, but the wave of the future as more and more homeowners and builders demand energy efficient homes and products. ESP Low-E® Insulation products are designed for maximum energy and cost efficiency. Whether it's under slab, under roof, around duct work or wrapping the entire house, ESP LOW-E® Reflective Insulation products save more money on heating and cooling than regular insulation and Housewrap. Check out all the ways ESP LOW-E® Insulation can help reduce your energy consumption around the home.

ESP LOW-E® Insulation

PRODUCT CODES: 4LFLT, 4LFLS, 4LFLZ, 5LFLT, 6LFLT, 6LFLS, 6LFLZ
PRODUCT DIMENSIONS & DESCRIPTIONS: Double sided scrimmed aluminum foil laminated to polyethylene foam (1/4" nominal thickness)

WIDTH: 4', 5', 6' LENGTH: 125', 100', 84'

CORE MATERIAL: Polyethylene

FACINGS AVAILABLE: Foil/Foil

EDGINGS AVAILABLE: Trimmed, Staple Flange, EZ Seal

FLAME AND SMOKE: ASTM E-84

FLAME SPREAD: Less than 25, SMOKE DEVELOPED: Less than 50

FULL SCALE FIRE TEST: NFPA 286 - Foil/Foil Passed

R-VALUE: Up to R-11*

PERM RATING: E-96 - .008

*R-values vary depending on facing and assembly.

Specific R-values for specific applications can be obtained from Install Guide at www.ohana.com or by contacting ESP, Inc. at 1-800-289-5693

ESP, Inc. strives to provide the most accurate R-value data possible. The R-values set forth in this document are the reflection of a combination of industry standard testing and conscientious calculation. However, these numbers, even within specific applications, can fluctuate due to the multiple variables that influence R-value.

ESP Class-A White Insulation

PRODUCT CODES: 4EFWT, 6EFWT, 4EFWS, 6EFWS, 4EFWZ, 6EFWZ
PRODUCT DIMENSIONS & DESCRIPTIONS: Double sided scrimless aluminum foil laminated to polyethylene foam (1/4" nominal thickness)

WIDTH: 4', 6' LENGTH: 125', 84'

CORE MATERIAL: Polyethylene

FACINGS AVAILABLE: Foil/Foil, Foil/White Foil

EDGINGS AVAILABLE: Trimmed, Staple Flange, EZ Seal

FLAME AND SMOKE: ASTM E-84

FLAME SPREAD: Less than 25, SMOKE DEVELOPED: Less than 50

FULL SCALE FIRE TEST: NFPA 286 - Foil/White Foil Passed

R-VALUE: Up to R-11*

PERM RATING: E-96 - .008

Do not leave product exposed when placed on both walls and ceiling of a conditioned space if ceiling height is less than 10 feet. In conditioned spaces where product is being used on both walls and ceiling, and ceiling height is less than 10 feet, surfaces should be covered with a proper thermal barrier.

CAUTION: Aluminum is an Electrical Conductor. Please use caution when working around electrical sources including overhead power lines. Carefully inspect electrical junction boxes and check for frayed wires before beginning installation.

WARNING: Although ESP LOW-E® Insulation Products are all fire tested to ASTM and/or NFPA standards; it is recommended that they or any insulation material should not be exposed to open flame or other ignition sources of sufficient intensity during shipment, storage or installation.