



ATAS International, Inc.

Sustainable Building Envelope Technology



A continuous standing seam panel with an integral seam and timeless appearance



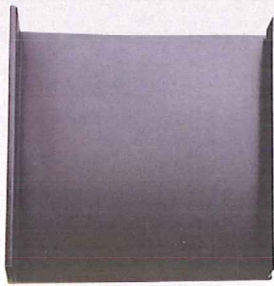
A REFINED LOOK, PRECISELY DESIGNED.

DUTCH SEAM®



There's a difference with **Dutch Seam®**

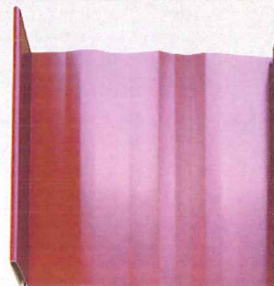
Prior to forming, Dutch Seam® is precision leveled; and with options such as embossing, stiffening ribs, and striations, the potential of visible oil canning is reduced.



Smooth



Embossed



Striations



Stiffening Ribs

Features

APPLICATION

- Precision leveling prior to forming
- Fasteners and clips allow panel to float without causing stress
- Crating for jobsite handling/staging
- Lock and seam are integral part of the panel with no seam caps to install
- Does not require mechanical field seaming
- Can be fastened directly to purlins or solid substrate
- After completing panel interlock, panels can be easily moved into cleats at valley and eave conditions

LONGEVITY

- Fire resistant – will not burn or support combustion
- May be an insurance advantage
- Will not warp, crack, rot or peel
- Industry leading long term warranty
- Resistant to high wind, torrential rain, heavy snow and ice loads
- High quality and time-proven painting and pretreatment technologies
- PVDF Coating System

PERFORMANCE STANDARDS

- Environmentally friendly – ENERGY STAR® qualified colors available. Contact ATAS for current color listings
- Tested in accordance with UL 790/ASTM E 108, UL 580, TAS 125, ASTM E 1592, ASTM E 330, ASTM E 283, ASTM E 331, TAS 100, AAMA 501.1, UL 2218, ASTM E 84 Flame Spread, ICBO AC 166 Penetration
- FBC Approval
- MCA Roofing Certification
- High reflectivity of panels which increases energy efficiency



Specifications

Dutch Seam® SKU: MRD110, MRD150, MRD194

Gauge

.032, .040 aluminum; 24, 22* ga. metallic coated steel; 24* ga. 55% Al-Zn alloy coated steel with acrylic coating; 16*, 20* oz. copper; .027 zinc* (MRD110 only)

Panel Width

11", 15", 19 1/4" (Stiffening ribs standard, specify without ribs or with striations)

Panel Length

Cut to customer specifications with a minimum of 2'-0", maximum to transportation limitations and/or product and project design considerations

Seam Height

1 1/2"

Texture

Embossed, Smooth

Finish

Kynar 500® PVDF or Hylar 5000® PVDF

Colors

Choice of 31 standard colors

Anodized

Clear, Dark Bronze

Accessories

A complete line of trims available in matching colors, gauge, and finish or as specified

Minimum Slope

2:12

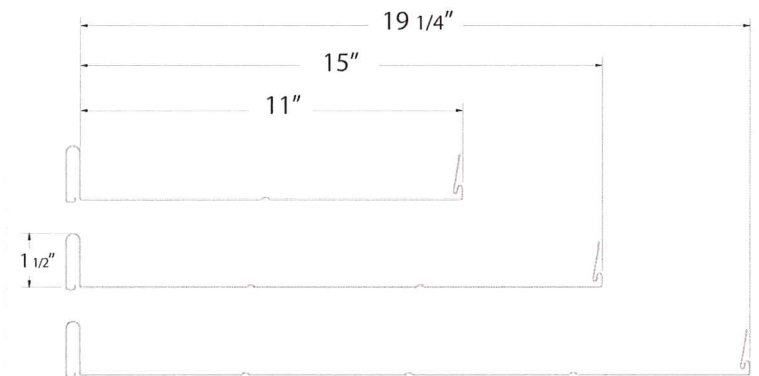
Custom Capabilities

Tapering

*Subject to minimum quantities and longer lead time. Inquire for availability.

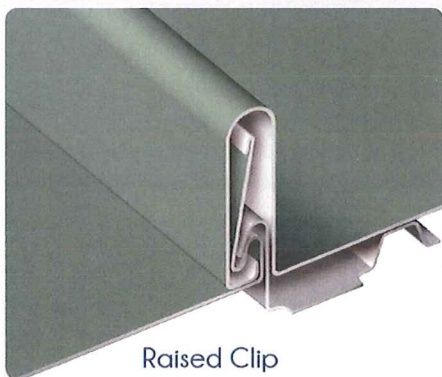


Optional sealant is available. Stiffening ribs standard, specify without. Specify with striations.



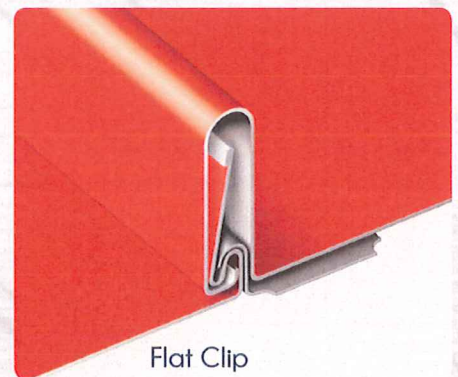
Dutch Seam® Design Advantages

Dutch Seam® is a highly engineered wind and rain resistant panel system, designed to last lifetimes.

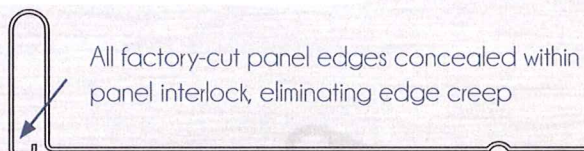


Raised Clip

Integral lock and seam design guards against wind-driven rain and wind uplift, while still allowing for air permeability.



Flat Clip



Clip at low point allows loads to be imposed on anchor clip, preventing rotation of seam and providing stronger interlock during an uplift event

STANDARD COLORS



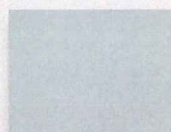
Black (02) SRI: -1



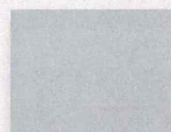
Hartford Green (27) SRI: 23



Regal Blue (18) SRI: 23



Clear Anodized (70) SRI: 92



Silversmith (28) SRI: 51



Classic Bronze (01) SRI: 2



Forest Green (11) SRI: 29



Siam Blue (14) SRI: 35



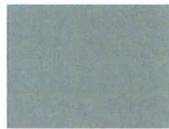
Dark Bronze Anodized (71) SRI: 6



Antique Patina (24) SRI: 25



Medium Bronze (03) SRI: 33



Hemlock Green (30) SRI: 30



Slate Blue (21) SRI: 31



Boysenberry (25) SRI: 27



Brite Red (17) SRI: 39



Chocolate Brown (04) SRI: 25



Patina Green (12) SRI: 47



Rocky Grey (16) SRI: 29



Redwood (07) SRI: 18



Champagne (31) SRI: 62



Sierra Tan (09) SRI: 37



Teal (19) SRI: 26



Charcoal Grey (62) SRI: 27



Mission Red (08) SRI: 33



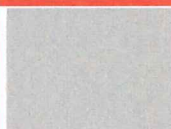
Coppertone (23) SRI: 57



Sandstone (06) SRI: 66



Slate Grey (20) SRI: 39



Dove Grey (13) SRI: 58



Rawhide (15) SRI: 64



Titanium (35) SRI: 59



Concord Cream (05) SRI: 78



Ascot White (10) SRI: 96



Bone White (26) SRI: 85



Acrylic Coated Galvalume® (97) SRI: 58



THE ATAS DIFFERENCE



Dutch Seam roll former
with in line leveler

- Stationary machine
- Controlled environment
- 18 forming stations
- In line precision leveling

ATAS's professional staff is able to assist in the design or provide shop drawings for your project. Final choice of materials and installation is the responsibility of the owner, architect and/or the owner's agent. ATAS International, Inc. cannot be held responsible for the ultimate selection or the installation of those materials. Due to slight stress in metal materials and substrates to which metal panels are applied, installed panels may exhibit a perceived waviness in the flat areas of the panel. Commonly the period and amplitude of the waviness is dependent upon the continuous flat width of the panel. This condition is beyond the control of ATAS and consequently this perceived waviness or "oil canning" of the product is not a valid reason for rejection of materials. (Refer to ASTM E 1514, ASTM E 1637 and Metal Construction Association Technical Bulletin 1060 for further clarification). ATAS reserves the right to modify, eliminate and/or change its products without prior notification. ATAS cannot be held responsible for errors in line drawings and typesetting. Inquire for availability. Colors are as close to the actual colors as modern printing allows. Exact color chips on request; this is a requirement for all premium colors. If you have requirements or preference for colors or finishes other than shown, contact ATAS. Color availability varies by material, gauge and profile. ATAS is not responsible for colors selected from this chart. Contact ATAS for more information.



ATAS International, Inc.

Allentown, PA ■ Mesa, AZ ■ Maryville, TN

800.468.1441 | www.atas.com | info@atas.com



© 2015 ATAS International, Inc.

Contact ATAS for more information. ATAS reserves the right to modify, eliminate and/or change its products without prior notification.

LRD0115 LAT926

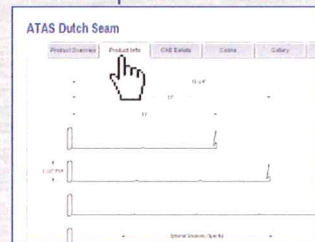
Visit us online



Try our product visualizer



Get product info.



Download CAD Details



Browse photos



View tech. data



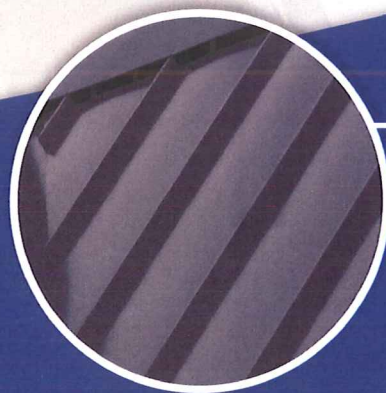


ATAS International, Inc.

Sustainable Building Envelope Technology

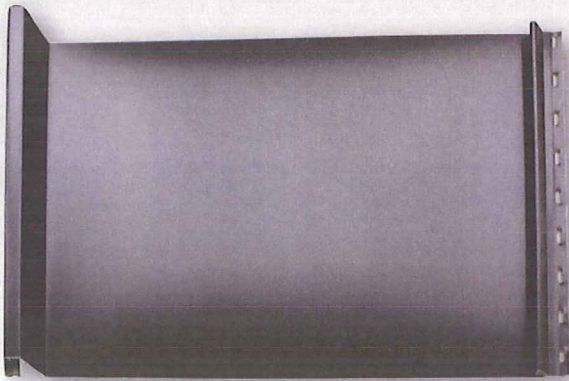


A refined aesthetic that offers durability, low-maintenance, and easy installation



SIMPLE. SOPHISTICATED.

ECO-SEAM™



Eco-Seam™ is an **economical**, clipless, one-piece, positive-locking, standing seam panel that is available in two standard widths - 12" and 16".

Features

APPLICATION

- Precision leveling prior to forming
- Crating for jobsite handling/staging
- Typical applications include mansards, entryways, commercial and residential roofing and walls
- Seam and lock are an integral part of the panel - no blow-offs or creeping of the seam
- Lightweight and easy to install with no extra caps, strips, or clips needed

LONGEVITY

- Resistant to high wind, torrential rain, heavy snow and ice loads
- Fire resistant - will not burn or support combustion
- May be an insurance advantage
- Will not warp, crack, rot or peel
- Industry leading long term warranty
- High quality and time-proven painting and pretreatment technologies
- PVDF Coating System

PERFORMANCE STANDARDS

- Environmentally friendly - ENERGY STAR® qualified colors available. Contact ATAS for current color listings
- Tested in accordance with UL 790/ASTM E 108, UL 580, ASTM E 283, UL 2218, ASTM E 331, AAMA 501.1, ASTM E 84 Flame Spread
- Meets all specifications for International Building Code
- High reflectivity of panels which increases energy efficiency



Specifications

Eco-Seam™ SKU: ECO120, ECO160

Gauge

.032 aluminum; 24 ga. metallic coated steel

Panel Width

12", 16"

Panel Length

Cut to customer specifications with a minimum of 2'-0", maximum of 20'-0" for aluminum and 25'-0" for steel

Seam Height

1 1/4"

Texture

Smooth

Finish

Kynar 500® PVDF or Hylar 5000® PVDF

Colors

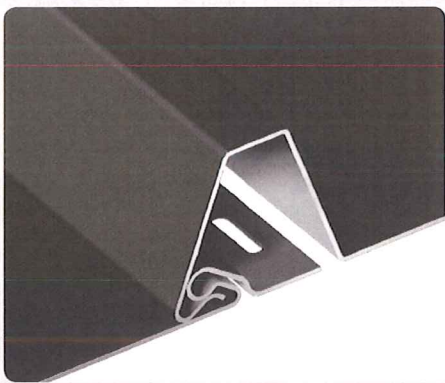
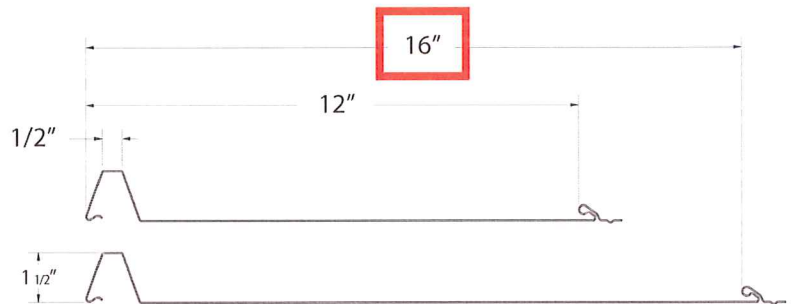
31 standard colors

Accessories

A complete line of trims available in matching colors, gauge, and finish or as specified

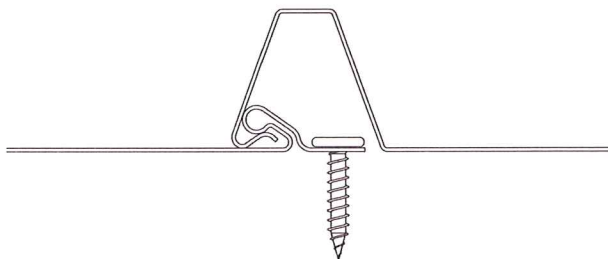
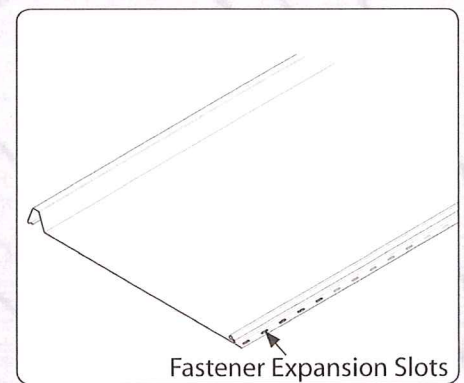
Minimum Slope

3:12



Eco-Seam™ Design Advantages

Installed by hooking panel into previous panel and fastening with mechanical fasteners through pre-punched holes to allow for expansion/contraction



Wind-Lok™

Positive locking feature makes it virtually impossible for panels to slip apart

STANDARD COLORS



Black (02) SRI: -1



Classic Bronze (01) SRI: 2



Medium Bronze (03) SRI: 33



Chocolate Brown (04) SRI: 25



Sierra Tan (09) SRI: 37



Sandstone (06) SRI: 66



Concord Cream (05) SRI: 78



Hartford Green (27) SRI: 23



Forest Green (11) SRI: 29



Hemlock Green (30) SRI: 30



Patina Green (12) SRI: 47



Teal (19) SRI: 26



Slate Grey (20) SRI: 39



Ascot White (10) SRI: 96



Regal Blue (18) SRI: 23



Siam Blue (14) SRI: 35



Slate Blue (21) SRI: 31



Rocky Grey (16) SRI: 29



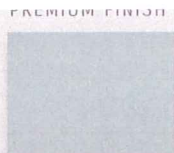
Charcoal Grey (62) SRI: 27



Dove Grey (13) SRI: 58



Bone White (26) SRI: 85



Clear Anodized (70) SRI: 92



Dark Bronze Anodized (71) SRI: 6



Boysenberry (25) SRI: 27



Redwood (07) SRI: 18



Mission Red (08) SRI: 33



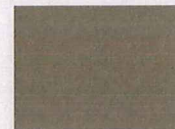
Rawhide (15) SRI: 64



Acrylic Coated Galvalume® (97) SRI: 58



Silversmith (28) SRI: 51



Antique Patina (24) SRI: 25



Brite Red (17) SRI: 39



Champagne (31) SRI: 62



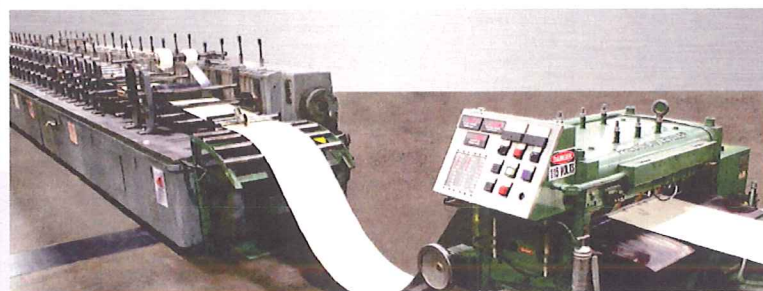
Coppertone (23) SRI: 57



Titanium (TT) SRI: 59



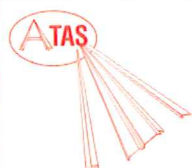
THE ATAS DIFFERENCE



Eco-Seam roll former

- Stationary machine
- Controlled environment
- 20 forming stations
- Precision leveling

ATAS's professional staff is able to assist in the design or provide shop drawings for your project. Final choice of materials and installation is the responsibility of the owner, architect and/or the owner's agent. ATAS International, Inc. cannot be held responsible for the ultimate selection or the installation of those materials. Due to slight stress in metal materials and substrates to which metal panels are applied, installed panels may exhibit a perceived waviness in the flat areas of the panel. Commonly the period and amplitude of the waviness is dependent upon the continuous flat width of the panel. This condition is beyond the control of ATAS and consequently this perceived waviness or "oil canning" of the product is not a valid reason for rejection of materials. (Refer to ASTM E 1514, ASTM E 1637 and Metal Construction Association Technical Bulletin 1060 for further clarification). ATAS reserves the right to modify, eliminate and/or change its products without prior notification. ATAS cannot be held responsible for errors in line drawings and typesetting. Inquire for availability. Colors are as close to the actual colors as modern printing allows. Exact color chips on request; this is a requirement for all premium colors. If you have requirements or preference for colors or finishes other than shown, contact ATAS. Color availability varies by material, gauge and profile. ATAS is not responsible for colors selected from this chart. Contact ATAS for more information.



ATAS International, Inc.

Allentown, PA ■ Mesa, AZ ■ Maryville, TN

800.468.1441 | www.atas.com | info@atas.com

[f](#) [t](#) [in](#) [yt](#) © 2015 ATAS International, Inc.

Contact ATAS for more information. ATAS reserves the right to modify, eliminate and/or change its products without prior notification.

LR00115 LAT190

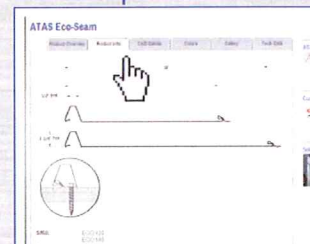
visit us online



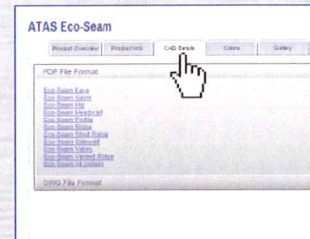
Try our product visualizer



Get product info.



Download CAD Details



Browse photos



View tech. data



Siding

Trim

Soffit

HardieWrap®

Finishing Touches

HardiePlank® Lap Siding

● HardiePanel® Vertical Siding

HardieShingle® Siding

HardiePanel® Vertical Siding

HardiePanel vertical siding delivers style and substance. When combined with HardieTrim® board-and-batten look that defines cottage charm. The covered seams contribute to a well-insulated home.

Its crisp, clean lines make HardiePanel vertical siding a smart choice for strong, contemporary designs.



True to the tradition of
PERFORMANCE AND BEAUTY.



ABOUT JAMES HARDIE

PRODUCTS

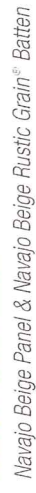
COLOR

HardieShingle® Siding

HardieShingle® Siding



Navajo Beige Panel & Navajo Beige Rustic Grain® Batten



Evening Blue Panel & Evening Blue Smooth Batten



Navajo Beige Panel



Not available with ColorPlus Technology

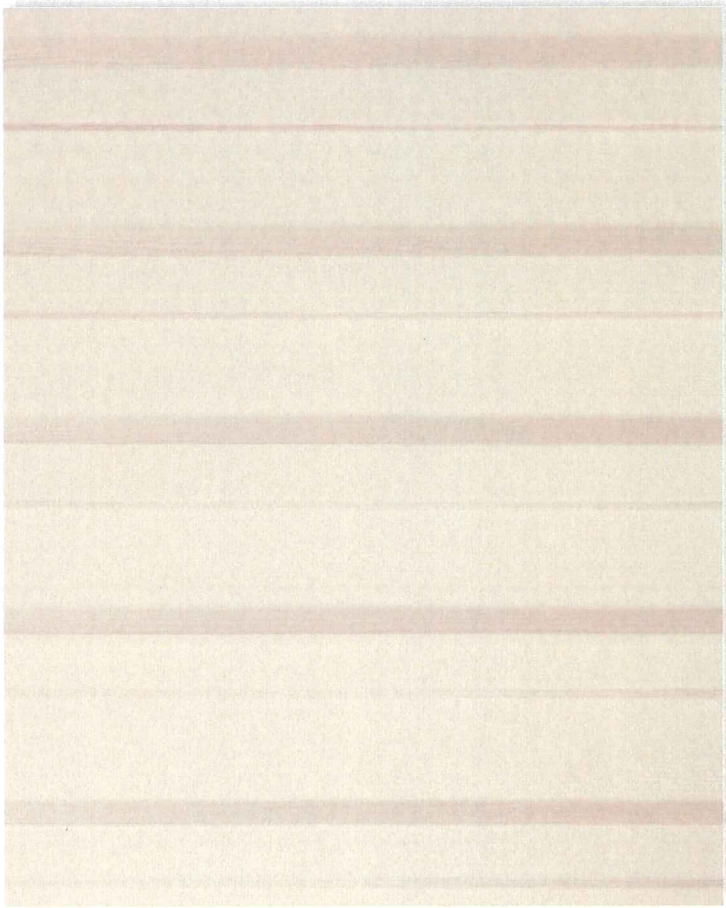


Products are available primed or with ColorPlus Technology finishes. For more details, visit jameshardie.com

HardiePlank® Lap Siding

● HardiePanel® Vertical Siding

HardieShingle® Siding



SELECT CEDARMILL®

Navajo Beige Panel & Navajo Beige Rustic Grain® Batten

Thickness	5/16 in.			
Size	4 ft. x 8 ft.	4 ft. x 9 ft.*	4 ft. x 10 ft.	
Pcs./Pallet	50	50	50	
Pcs./Sq.	3.2	2.8	2.5	

Available Colors



[View all HardiePanel Vertical Siding Products](#)

COUNTRYSIDE RED

*4 ft. x 9 ft. HardiePanel vertical siding only available primed.

Siding

Trim

Soffit

HardieWrap®

Finishing Touches

● HardieTrim® Boards

HardieTrim® Batten Boards

HardieTrim® Boards

Form meets function at every angle with HardieTrim boards. With an authentic look, HardieTrim boards provide design flexibility for columns, friezes, doors, windows and other accent areas.

Unlike wood, it complements your long-lasting, lower maintenance James Hardie siding — adding punctuation to your design statement.

The performance you require

THE DISTINCTIVENESS YOU DESIRE.



JamesHardie

ABOUT JAMES HARDIE

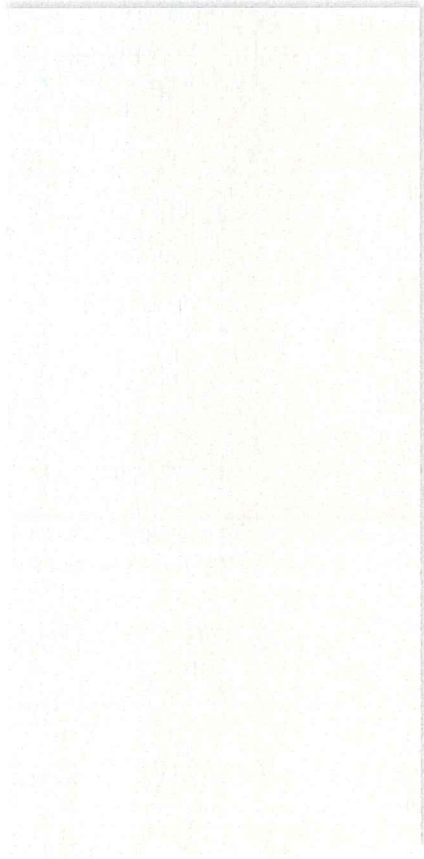
PRODUCTS

COLOR

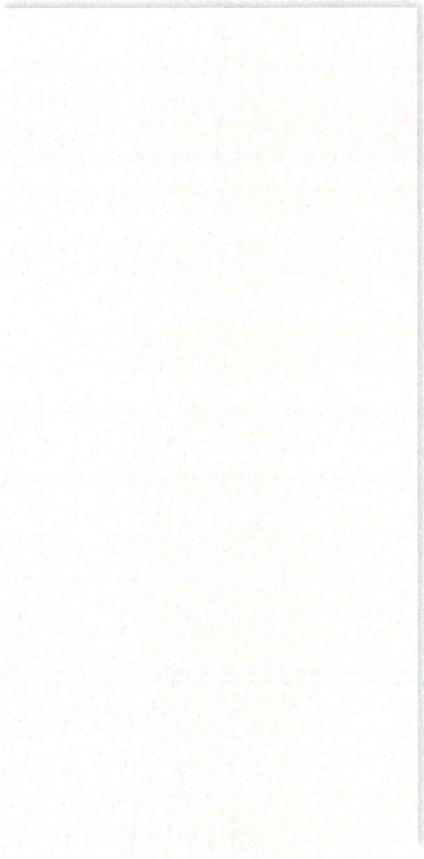
● HardieTrim® Boards

HardieTrim® Batten Boards

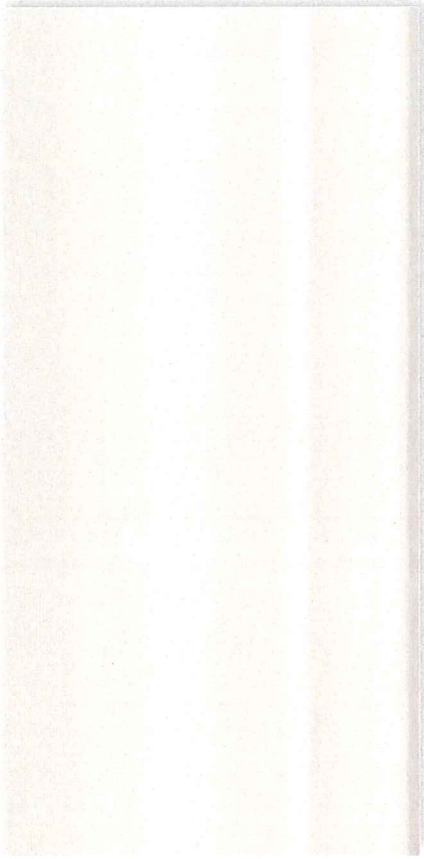
4/4 NT3® SMOOTH
Arctic White



5/4 NT3® SMOOTH
Arctic White



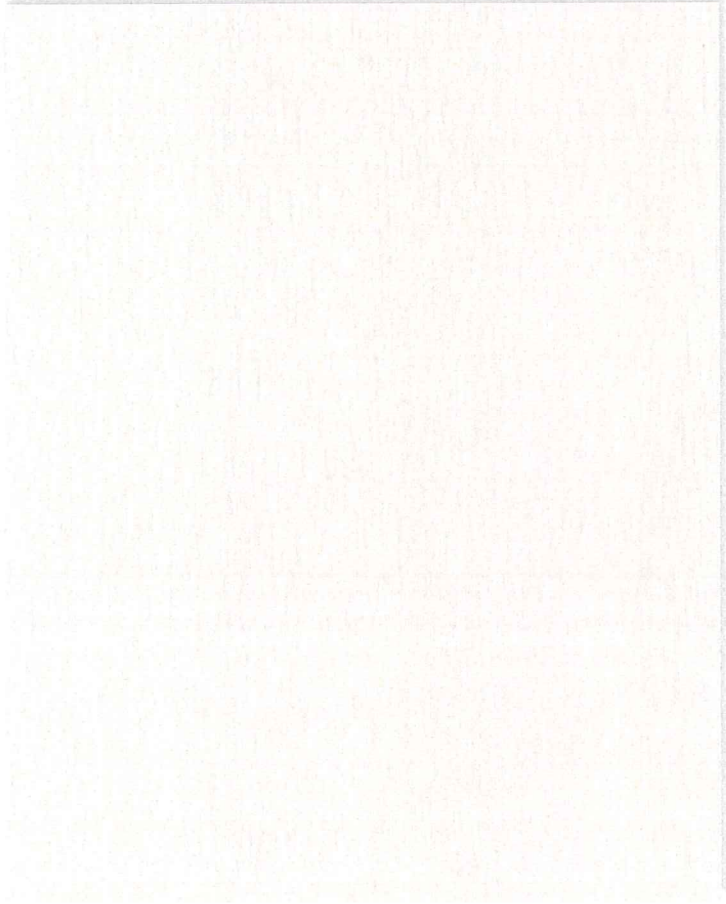
CROWN MOULDING
Arctic White



Products are available primed or with ColorPlus Technology finishes. For more details, visit jameshardie.com

● HardieTrim® Boards

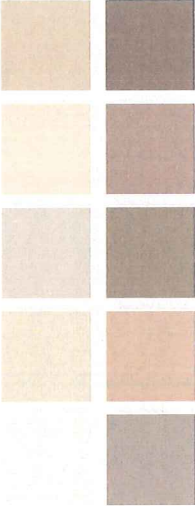
HardieTrim® Batten Boards



4/4 NT3® SM00TH
Arctic White

Thickness	.75 in.			
Length	12 ft. boards			
Width	3.5 in.	5.5 in.	7.25 in.	11.25 in.
Pos./Pallet	312	208	156	104

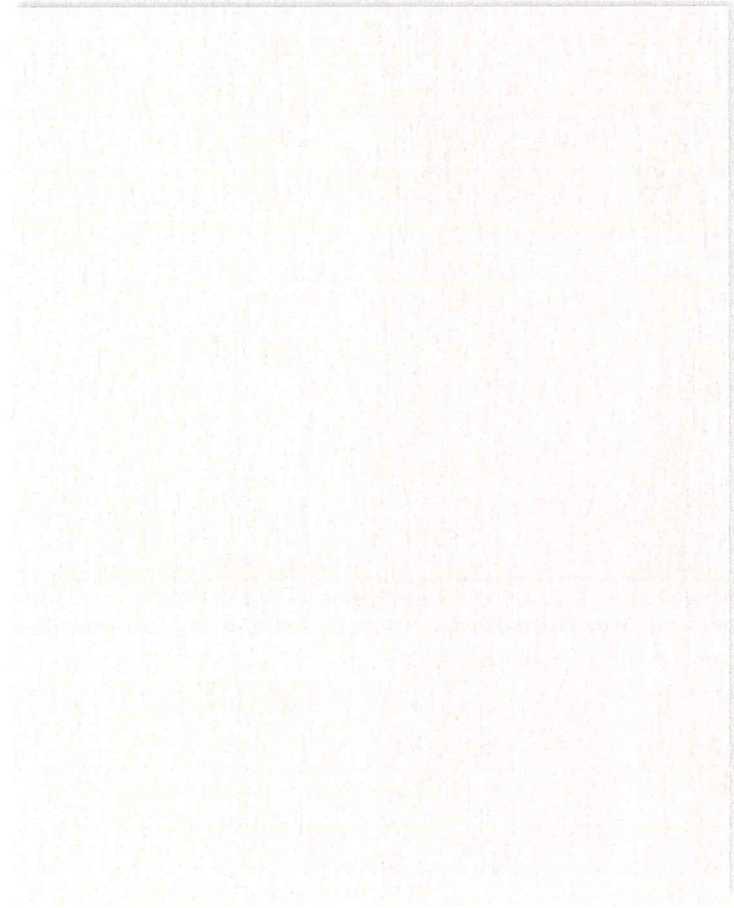
WHITE
Available Colors



[View all HardieTrim Boards](#)

● HardieTrim® Boards

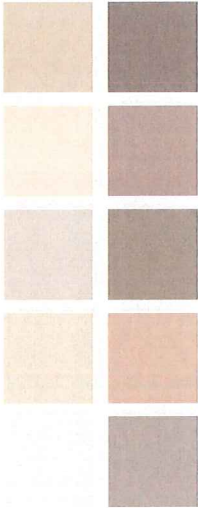
HardieTrim® Batten Boards



5/4 NT3® SMOOTH
Arctic White

Thickness	1 in.				
Length	12 ft. boards				
Width	3.5 in.	4.5 in.	5.5 in.	7.25 in.	11.25 in.
Pcs./Pallet	240	200	160	120	80

Available Colors **WHITE**



[View all HardieTrim Boards](#)

Features

- 190 narrow stile has 2-1/8" vertical stile, 2-1/4" top and 3-7/8" bottom rail
- 350 medium stile has 3-1/2" vertical stile, 3-1/2" top and 6-1/2" bottom rail
- 500 wide stile has 5" vertical stile, 5" top and 6-1/2" bottom rail
- Door is 1-3/4" deep
- Dual moment welded corner construction
- Single or double acting
- Offset pivots, butt hinges, continuous geared hinge or center pivots
- Surface mounted or concealed closers
- MS locks or panic hardware
- Architects Classic push/pulls
- Infills range from 1/4" to 1"
- Adjustable astragal utilizing pile weathering with polymeric fin at meeting stiles
- Sealair® bulb polymeric weatherstripping in door frames
- Permanodic® anodized finishes in 7 choices
- Painted finishes in standard and custom choices

Optional Features

- Numerous push/pull finishes
- Paneline® exit device or Paneline® EL exit device
- Wide variety of bottom rail, cross rail and muntins

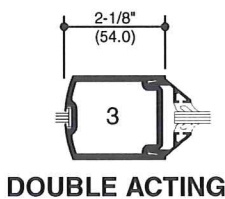
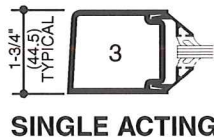
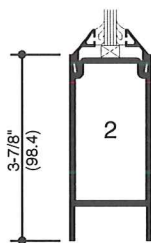
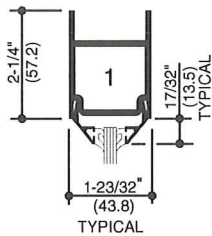
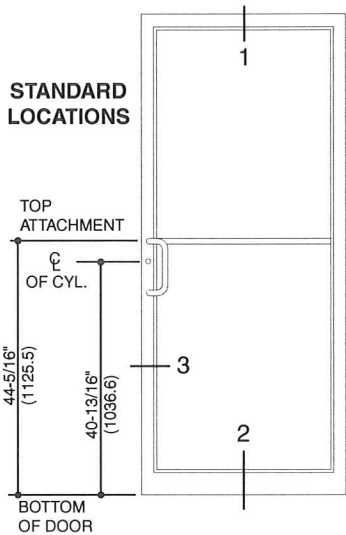
Product Applications

- 190 narrow stile - engineered for moderate traffic in applications such as offices, stores and apartment buildings
- 350 medium stile - provides extra strength for schools, institutions and other high traffic applications
- 500 wide stile - creates a monumental visual statement for banks, libraries or buildings that experience heavy traffic conditions

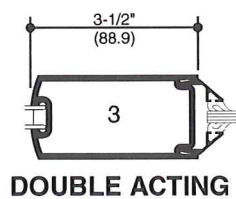
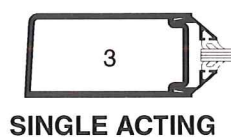
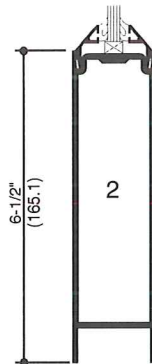
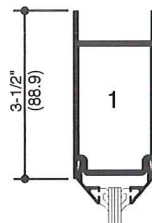
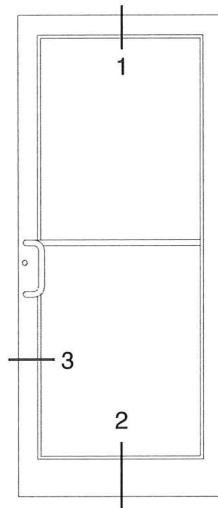
For specific product applications,
Consult your Kawneer representative.

SCALE 3" = 1' 0"

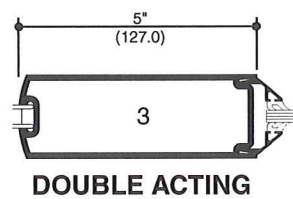
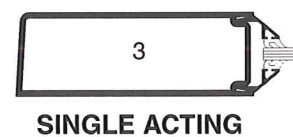
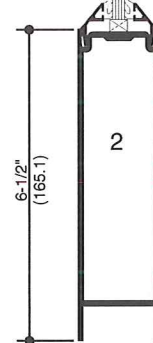
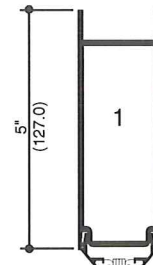
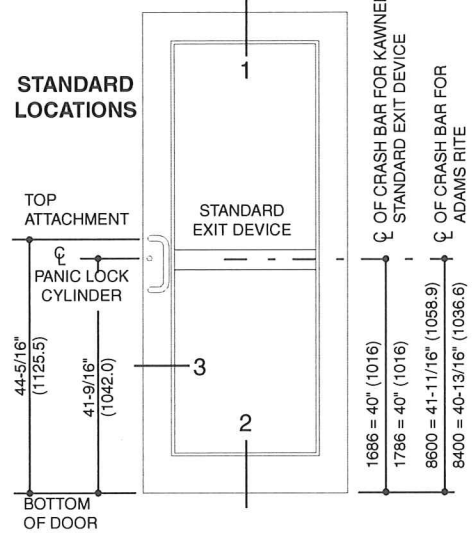
190 NARROW STILE



350 MEDIUM STILE



500 WIDE STILE



Laws and building and safety codes governing the design and use of glazed entrance, window, and curtain wall products vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© Kawneer Company, Inc., 2012



HI-LITE MFG. CO., INC

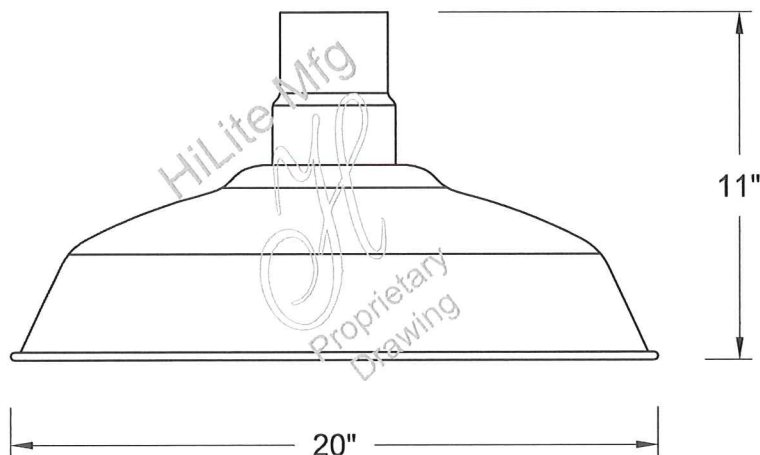
13450 Monte Vista Avenue
Chino, California 91710
Telephone: (909) 465-1999
Toll Free: (800) 465-0211
Fax: (909) 465-0907
web: www.hilitemfg.com
e-mail: sales@hilitemfg.com

H-15120 Warehouse Shade Collection

Job Name:

Type:

Quantity:



FINISH -Multi-stage pretreatment procedure using materials of polyester/polished powder coat, baking enamel liquid, raw metals and galvanized finishes.

Standard Finishes are: 91(Black), 93(White), 95(Dark Green), 96(Galvanized), BR47(Powder Coat Rust), BK01(Black Texture), GN20(Powder Coat Patina).

Upgraded Finishes are: 29, 66, 82, 90, 92, 94, 97, 99, 100, 103, 104, 105, 110, 112, 113, 114, 115, 117, 118, 119, 120, 127, 128, 129, 133, 134, 135, 136, 138, 139, 140, 11, 98, 101, 102, 137, 121, 122, 123, 124, 125, 126, 01, 22, 25, 33, 77, 89, 24, 44, 48, 49, 15, 16, 55.

(Custom finishes available).

For interior finish of fixture refer to color chart on pages 344-348.

MOUNTING - Cord, Stem, Arm, and Flush mounting available.

ACCESSORIES - CGU(Cast Guard and Glass), LCGU(Large Cast Guard and Glass), WGU(Wire Guard and Glass), LWGU(Large Wire Guard and Glass), ARN(Acorn Globe), LARN(Large Acorn Globe), WGR(Wire Guard), SK(Swivel Knuckle) and FX(Flexible tubing for cord mounted fixture only) available.

REFLECTOR - Heavy duty, spun shade, aluminum 6061-0 and/or 1100-0, galvanized 22 gauge, steel 20/22 gauge, copper 032/040 and brass 032/040 construction. Dependant on finish.

SOCKETS/LAMPS - Available in:

Incandescent

- rated 200 watt max/120 volt, medium base.

Compact Fluorescent(CFL)

- rated 13/18/26/32/42/57 watt max/120/277 volt, GX24Q base.

Metal Halide(MH)

- rated 35/50/70/100/150/175 watt max/120/208/240/277 volt, medium base, 4KV socket.

High Pressure Sodium(HPS)

- rated 50/70/100/150 watt max/120/277 volt, medium base.

Light-Emitted Diode(LED)

- rated 20w12(20w-1250) lumens, 20w20(20w-2000) lumens.

MADE IN THE U.S.A.

Suitable for wet location.
(Except when cord mounted)



FEATURES & SPECIFICATIONS

INTENDED USE — For entrances, loading docks, walkways and vehicle ramps.

CONSTRUCTION — Rear housing: Rugged, corrosion-resistant, die-cast aluminum. Corrosion-resistant external hardware includes slotted hex-head and tamperproof fasteners.

Front housing and refractor: one-piece, injection-molded, UV-stabilized polycarbonate.

Finish: Dark bronze (DDB) corrosion-resistant polyester powder.

OPTICS — Reflector is finished in white thermoset polyester powder, electrostatically applied. Standard finish on opaque portion of front cover and back housing is dark bronze polyester enamel. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

ELECTRICAL — Ballast: Low and high pressure sodium are high reactance, high power factor. Metal halide 50-150W are high reactance, high power factor and are standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175M (CSA, NOM or INTL required for probe start shipments outside of the US). Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 175M (SCWA option) for US shipments only. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented, single-ended bayonet base socket for 35W low pressure sodium; medium base socket for 70-150W; and mogul base socket for 175W with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

INSTALLATION — Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Feed-thru wiring can be achieved by using a conduit tee. Mount on any flat, vertical surface.

LISTINGS — Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). UL listed for 25°C ambient and wet locations. IP64 rated.

Note: Not recommended for use in car wash interior applications.

Specifications subject to change without notice.

Catalog Number
Notes
Type



Wall Packs

TWP

METAL HALIDE 70W-175W
HIGH PRESSURE SODIUM 35W-150W
LOW PRESSURE SODIUM 35W
8' to 15' Mounting

Specifications

Height: 15-1/2 (39.4)

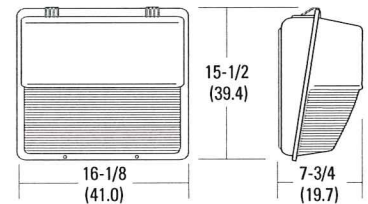
Width: 16-1/8 (41.0)

Depth: 7-3/4 (19.7)

*Weight: 17.9 lbs. (8.12 kg)

All dimensions are inches (centimeters) unless otherwise indicated.


*Weight as configured in example below.



ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: TWP 100M 120 LPI

TWP						
Series	Wattage	Voltage	Ballast	Options	Finish	Lamp ¹³
TWP	<u>Metal halide</u>	120	(blank) Magnetic ballast	<u>Shipped installed in fixture</u>	(blank) Dark bronze	LPI Lamp included
	70M ^{1,2}	208 ⁶		SF Single fuse (120, 277, 347V)	DBL Black	L/LP Less lamp
	100M¹	240 ⁶	CWI Constant wattage isolated	DF Double fuse (208, 240, 480V)	DMB Medium bronze	
	150M	277	Pulse Start 	EC Emergency circuit ⁹	DWH White	
	175M^{2,3}	347	SCWA Super CWA pulse start ballast	QRS Quartz restrike ⁹	DNA Natural aluminum	
	<u>Ceramic metal halide</u>	480 ⁸	Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	QRSTD Quartz restrike system with time delay ^{8,9}	DSS Sandstone	
	70MHC ^{1,2}	TB⁷		PE Photoelectric cell, button type¹⁰	CR Enhanced corrosion resistant	
	100MHC ¹	23050HZ ⁸		CSA Listed and labeled to comply with Canadian Standards	CRT Non-stick protective coating ¹²	
	150MHC			NOM NOM Certified ⁸		
	<u>High pressure sodium¹</u>			INTL Available for 175M probe start shipping outside the U.S.		
	35S ⁴			FS Full shield		
	50S			<u>Shipped separately¹¹</u>		
	70S			WG Wire guard		
	100S					
	150S⁵					
	<u>Low pressure sodium¹</u>					
	35L					

Notes

- Not available with SCWA.
- Not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- 120V only.
- Operates 55V lamp.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.

- Consult factory for available wattages.
- Maximum allowable wattage lamp included.
- Not available with 480V or TB.
- May be ordered as an accessory with prefix TWP. Requires field modification.
- Black finish (coating applied to housing only).
- Must be specified. L/LP N/A MHC.

[WINDOWS](#)
[DOORS](#)
[LEARN](#)
[WHERE TO BUY](#)
[SUPPORT](#)
[FOR THE PROS](#)

Single Hung Windows

[Home](#) / [Windows Styles](#) / [Single Hung](#)

YOUR SELECTION:

 >

 Items per page:

WINDOW STYLE

☒ Single Hung (10)

[See all Styles](#)

NARROW RESULTS:

EXTERIOR COLORS

- ☐ brick (3)
- ☒ bronze (3)
- ☐ chocolate (3)
- ☐ cream (3)
- ☐ pine (3)
- ☐ driftwood (3)
- ☐ tan (3)
- ☐ adobe (1)
- ☐ espresso (2)

STANDARD HARDWARE

FINISHES

- ☐ white (10)
- ☐ driftwood (3)
- ☐ tan (9)

PREMIUM HARDWARE

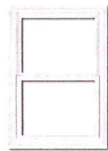
FINISHES

- ☐ polished brass (7)
- ☐ satin nickel (3)
- ☐ dark bronze (3)

INSTALLATION

- ☒ New Construction (4)
- ☐ Replacement (6)

A window where the lower sash moves up and down, while the upper sash stays fixed in place is called a single hung windows. Our vinyl single hung windows are manufactured to very high standards to offer the highest quality and exceptional energy efficiency. With our range of styles, colors, and other options, they fit well in any home providing great curb appeal. The can also be used as part component of bow and bay windows.



ProFinish Brickmould 300

Vinyl Single Hung New Construction Window

The Brickmould 300 series is highlighted by an attractive multi-tiered frame that provides a classic appearance. Energy-efficient glass options and various grid configurations and styles add to this value driven series.

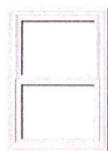
- The Intercept® spacer system is standard and high performance ProSolar® and ProSolar® Shade glass packages are optional
- Optional flat casing trim and simulated divided lites accentuate the classic wood window appearance
- Styles include Single Hung, Slider, Picture and Geometrics
- Choose from white and driftwood and a wide selection of glass and grid options

Features & options are not available on all styles.

Series may not be available in all areas of the country.




[See Product Details](#)



ProFinish Master

Vinyl Single Hung New Construction Window

Superior air, water and structural ratings define the Master series. Together with an integral nailing fin and J-channel for streamlined installation, an attractive beveled frame and advanced glass options the Master series is the perfect choice for your new home.

- An across-the-line R-50 performance rating makes Master series ideal for use with storm shutters
- Available ProSolar® Low E glass with Argon gas and the Supercept™ spacer system increase energy efficiency
- A complete selection of styles allows you to choose the ideal combination
- White, tan and driftwood colors are available, along

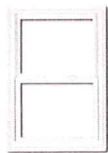



[See Product Details](#)

with a wide choice of glass and grid options

Features & options are not available on all styles.

Series may not be available in all areas of the country.



ProFinish Contractor

Vinyl Single Hung New Construction Window

The Contractor series offers virtually unlimited size and style options to give you the ultimate in design flexibility, while providing easy installation with an integral nailing fin and J-channel and impressive energy-efficient options.

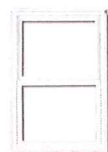
- Available ProSolar® Low E glass with Argon gas and the Supercept™ spacer system increase energy efficiency
- Choose from a complete line of styles, including a Patio Door
- White, tan and driftwood colors are available, along with unique glass and grid options

Features & options are not available on all styles.

Series may not be available in all areas of the country.



[See Product Details](#)



ProFinish Builder

Vinyl Single Hung New Construction Window

Designed to install easily and look beautiful, Builder series windows feature an attractive angled exterior and an integral nailing fin. This essential series, offers a solid value along with homeowner favorites and energy-efficient options.

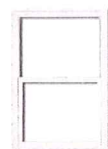
- The Intercept® spacer system is standard and high performance ProSolar® Low E glass with Argon gas is optional
- Styles include Single Hung, Slider, Picture and Geometric
- White and tan colors and several glass and grid options are available

Features & options are not available on all styles.

Series may not be available in all areas of the country.



[See Product Details](#)



DaylightMax

Vinyl Single Hung Replacement Window

Simonton DaylightMax™ windows offer less frame and more glass than most replacement windows. The unique frame design provides maximum energy efficiency that far outperforms ENERGY STAR® standards and helps you reduce your heating and cooling costs.

- Advanced glass packages are available for maximum efficiency
- Available with Decorum® exterior colors, hardware finishes and a wide selection of decorative glass options
- A narrow frame and wider viewing area provides up to 40% more daylight than wide-frame windows
- Choose from a complete selection of styles, including a



[See Product Details](#)

[WINDOWS](#)
[DOORS](#)
[LEARN](#)
[WHERE TO BUY](#)
[SUPPORT](#)
[FOR THE PROS](#)

Colors and Grids

[Home](#) / [Highlights](#) / [Articles](#) /


We've combined a variety of color choices and grids in an assortment of styles and patterns so you can find what you need to coordinate with the architecture and decor of your home. Available on select lines, Decorum® by Simonton is a portfolio of unique styling options that allows you to create a look that is distinctively yours. Interior laminates provide the rich warmth of woodgrain in Antique Cherry, Maple or Contemporary Oak, or the crisp, clean simplicity of Pure White. Enhance your home's curb appeal with exterior coatings in a variety of colors.

Not all colors and patterns are available on all lines, please check for availability. Due to the limitations of the Internet and computer monitors, actual colors may vary. Please consult your sales representative to see a sample of the product before making your final selection.

Colors and Interior Laminates



White
(interior/exterior)



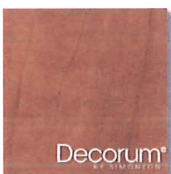
Tan
(interior/exterior)



Driftwood
(interior/exterior)



Maple
(interior only, standard
white exterior)



Antique Cherry
(interior only, standard
white exterior)



Contemporary Oak
(interior only, standard white
exterior)



Amber Oak*
(interior only, standard
white exterior)



Honey Oak*
(interior only, standard
white exterior)

*Available on select products only. See your Simonton Representative for complete details.

Exterior Colors



Brick



Bronze



Chocolate



Cream



Driftwood



Pine



Tan

Free In-Home Estimate

Connect with
an expert to
learn about
our products.



GET STARTED

Request A Brochure

Get all your helpful product
information from a
single source.



DOWNLOAD FREE BROCHURES

Express Your Unique Style



Download a FREE Color Guide today!

SINGLE HUNG & PICTURE WINDOWS

Single Hung – Vinyl Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple
1830	19 1/2 x 35 1/2	20 x 36	40 x 36	60 x 36
1832	19 1/2 x 37 1/2	20 x 38	40 x 38	60 x 38
1838	19 1/2 x 43 1/2	20 x 44	40 x 44	60 x 44
1840	19 1/2 x 47 1/2	20 x 48	40 x 48	60 x 48
1844	19 1/2 x 51 1/2	20 x 52	40 x 52	60 x 52
1846	19 1/2 x 53 1/2	20 x 54	40 x 54	60 x 54
1850	19 1/2 x 59 1/2	20 x 60	40 x 60	60 x 60
1852	19 1/2 x 61 1/2	20 x 62	40 x 62	60 x 62
1853	19 1/2 x 62 1/2	20 x 63	40 x 63	60 x 63
1856	19 1/2 x 65 1/2	20 x 66	40 x 66	60 x 66
1860	19 1/2 x 71 1/2	20 x 72	40 x 72	60 x 72
1862	19 1/2 x 73 1/2	20 x 74	40 x 74	60 x 74
2030	23 1/2 x 35 1/2	24 x 36	48 x 36	72 x 36
2032	23 1/2 x 37 1/2	24 x 38	48 x 38	72 x 38
2038	23 1/2 x 43 1/2	24 x 44	48 x 44	72 x 44
2040	23 1/2 x 47 1/2	24 x 48	48 x 48	72 x 48
2044	23 1/2 x 51 1/2	24 x 52	48 x 52	72 x 52
2046	23 1/2 x 53 1/2	24 x 54	48 x 54	72 x 54
2050	23 1/2 x 59 1/2	24 x 60	48 x 60	72 x 60
2052	23 1/2 x 61 1/2	24 x 62	48 x 62	72 x 62
2053	23 1/2 x 62 1/2	24 x 63	48 x 63	72 x 63
2056	23 1/2 x 65 1/2	24 x 66	48 x 66	72 x 66
2060	23 1/2 x 71 1/2	24 x 72	48 x 72	72 x 72
2062	23 1/2 x 73 1/2	24 x 74	48 x 74	72 x 74
2430	27 1/2 x 35 1/2	28 x 36	56 x 36	84 x 36
2432	27 1/2 x 37 1/2	28 x 38	56 x 38	84 x 38
2438	27 1/2 x 43 1/2	28 x 44	56 x 44	84 x 44
2440	27 1/2 x 47 1/2	28 x 48	56 x 48	84 x 48
2444	27 1/2 x 51 1/2	28 x 52	56 x 52	84 x 52
2446	27 1/2 x 53 1/2	28 x 54	56 x 54	84 x 54
2450	27 1/2 x 59 1/2	28 x 60	56 x 60	84 x 60
2452	27 1/2 x 61 1/2	28 x 62	56 x 62	84 x 62
2453	27 1/2 x 62 1/2	28 x 63	56 x 63	84 x 63
2456	27 1/2 x 65 1/2	28 x 66	56 x 66	84 x 66
2460	27 1/2 x 71 1/2	28 x 72	56 x 72	84 x 72
2462	27 1/2 x 73 1/2	28 x 74	56 x 74	84 x 74
2830	31 1/2 x 35 1/2	32 x 36	64 x 36	96 x 36
2832	31 1/2 x 37 1/2	32 x 38	64 x 38	96 x 38
2838	31 1/2 x 43 1/2	32 x 44	64 x 44	96 x 44
2840	31 1/2 x 47 1/2	32 x 48	64 x 48	96 x 48
2844	31 1/2 x 51 1/2	32 x 52	64 x 52	96 x 52
2846	31 1/2 x 53 1/2	32 x 54	64 x 54	96 x 54
2850	31 1/2 x 59 1/2	32 x 60	64 x 60	96 x 60
2852	31 1/2 x 61 1/2	32 x 62	64 x 62	96 x 62
2853	31 1/2 x 62 1/2	32 x 63	64 x 63	96 x 63
2856	31 1/2 x 65 1/2	32 x 66	64 x 66	96 x 66
2860	31 1/2 x 71 1/2	32 x 72	64 x 72	96 x 72
2862	31 1/2 x 73 1/2	32 x 74	64 x 74	96 x 74
3030	35 1/2 x 35 1/2	36 x 36	72 x 36	108 x 36
3032	35 1/2 x 37 1/2	36 x 38	72 x 38	108 x 38
3038	35 1/2 x 43 1/2	36 x 44	72 x 44	108 x 44
3040	35 1/2 x 47 1/2	36 x 48	72 x 48	108 x 48
3044	35 1/2 x 51 1/2	36 x 52	72 x 52	108 x 52
3046	35 1/2 x 53 1/2	36 x 54	72 x 54	108 x 54
3050	35 1/2 x 59 1/2	36 x 60	72 x 60	108 x 60

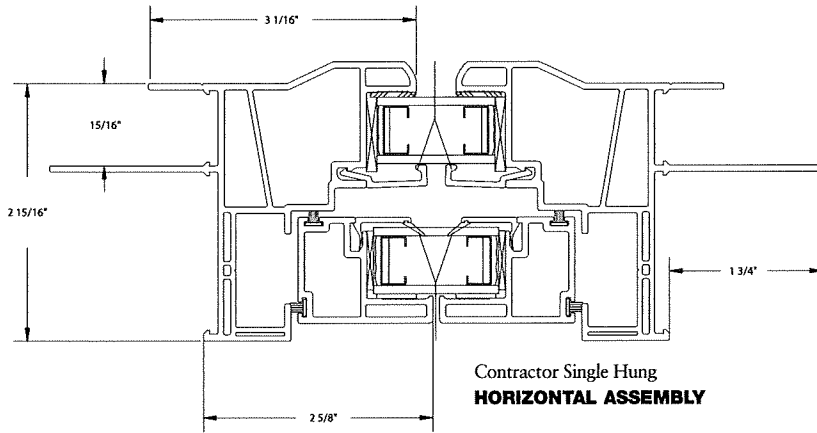
Picture – Vinyl Stock Sizes

[illegible]

Vinyl Stock Sizes continued on page 3.

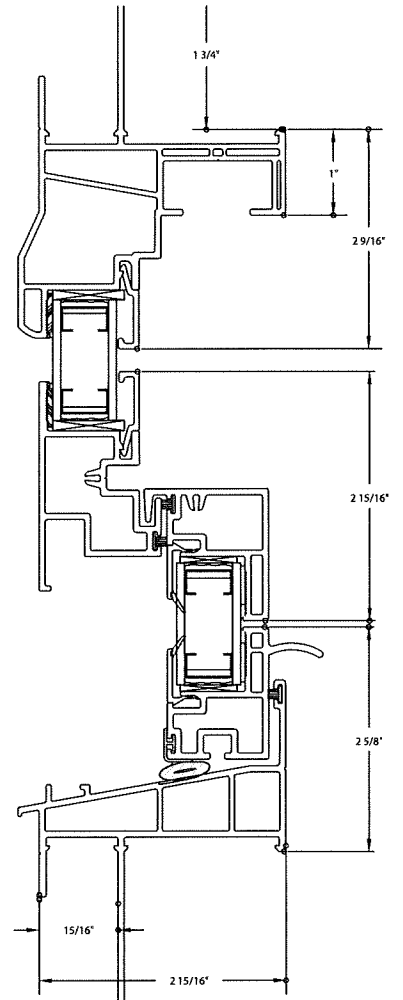
ARCHITECTURAL DETAILS

Contractor Single Hung

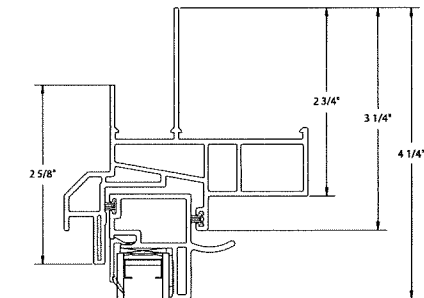


Contractor Single Hung
HORIZONTAL ASSEMBLY

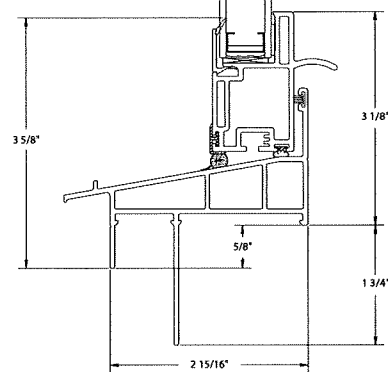
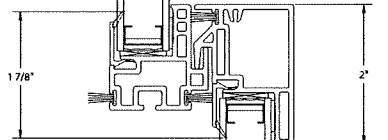
Contractor Single Hung
VERTICAL ASSEMBLY



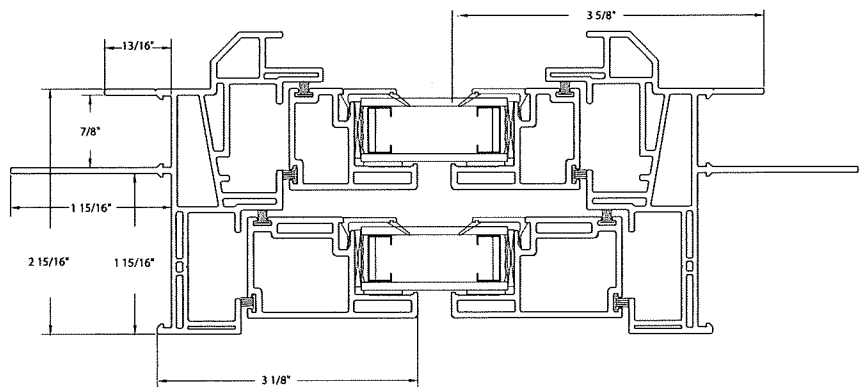
Contractor Double Hung



Contractor Double Hung
VERTICAL ASSEMBLY

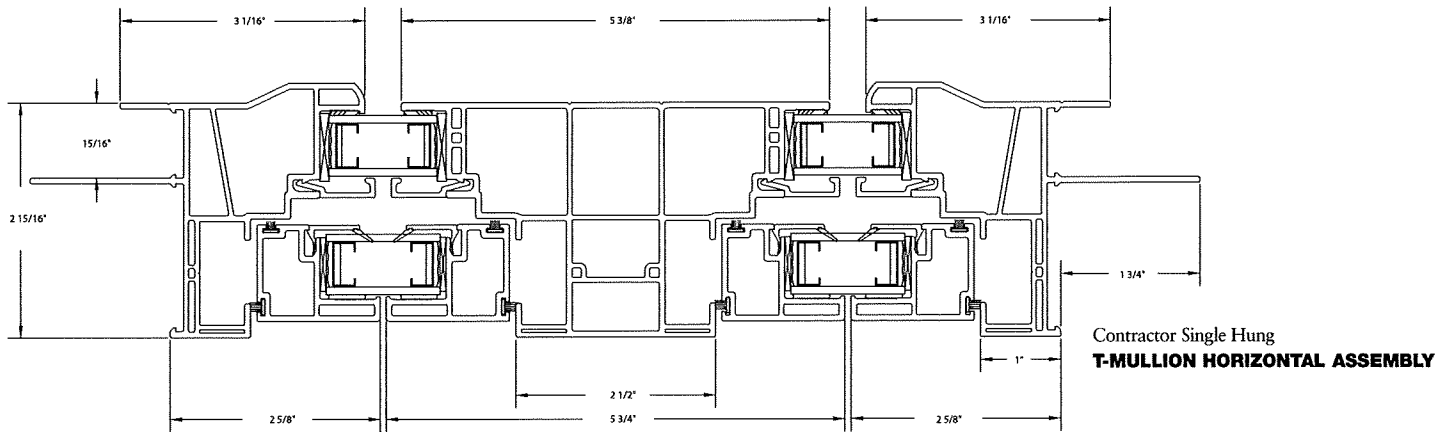


Contractor Double Hung
HORIZONTAL ASSEMBLY

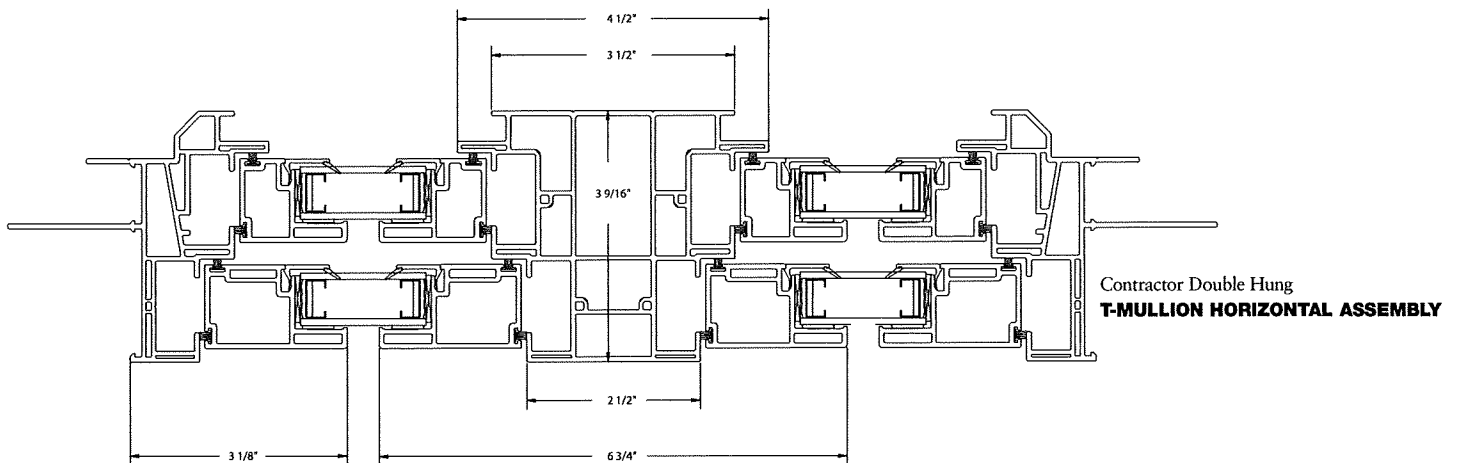


ARCHITECTURAL DETAILS

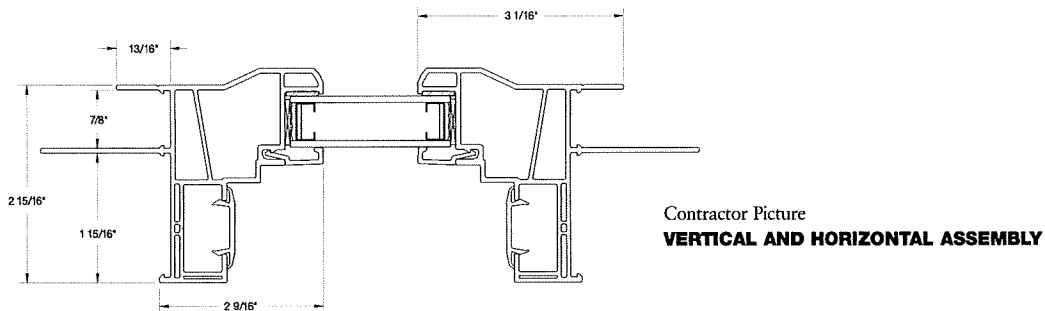
Contractor Single Hung

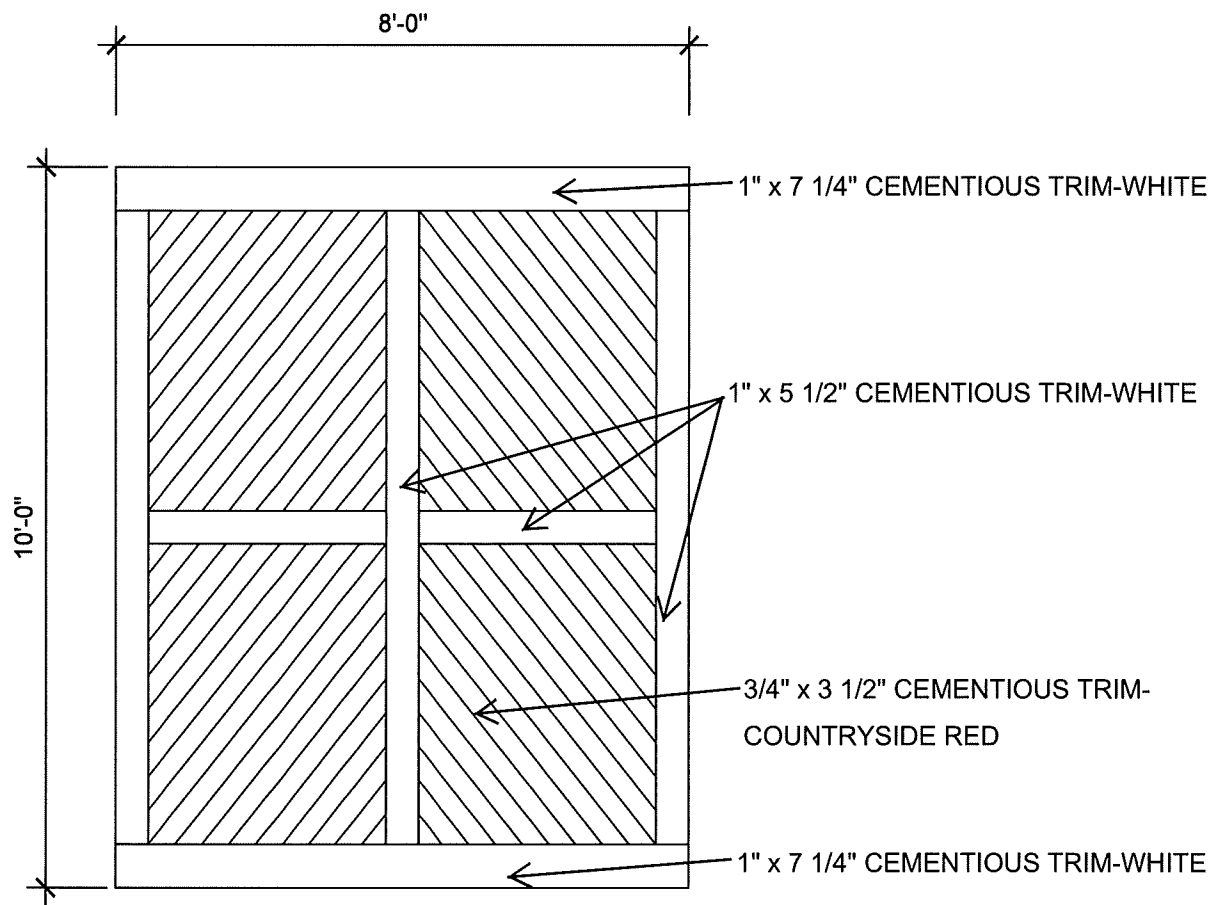


Contractor Double Hung



Contractor Picture





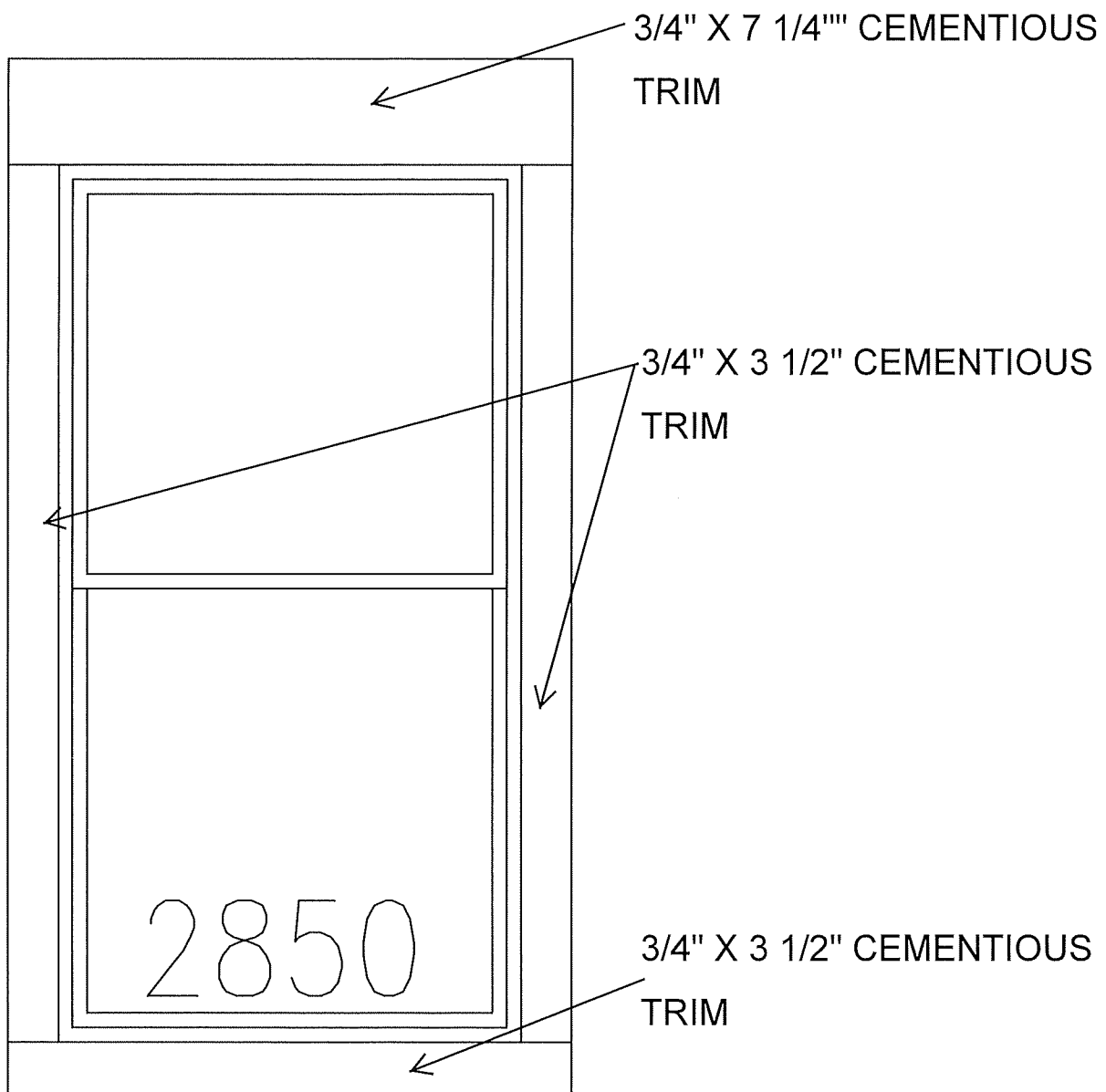
LINCOLN STREET DEVELOPMENT - PANEL DETAIL

3/8" = 1'-0"

4-15-15



CANOPY AT ENTRY - SIM. TO THIS
MANUFACTURED BY WANNER METAL WORX - DELAWARE, OHIO



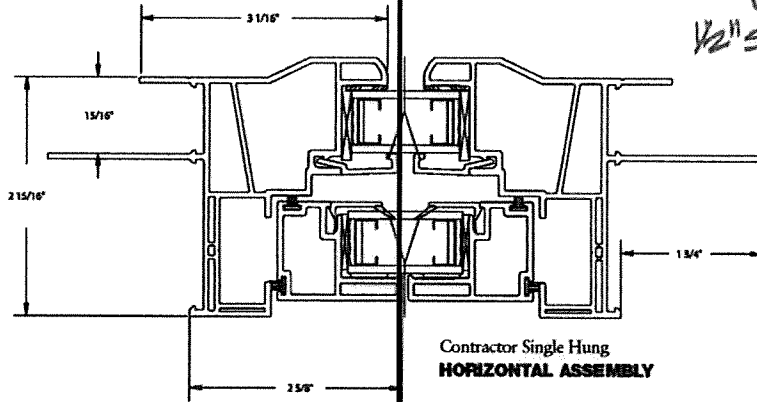
LINCOLN STREET DEVELOPMENT - WINDOW DETAIL

3/4" = 1'-0"

4-15-15

CONTRACTOR SIZE & STYLE GUIDE

Contractor Single Hung

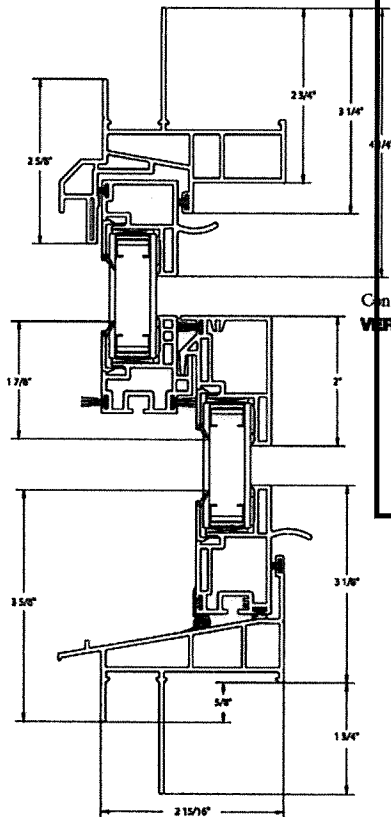


Contractor Single Hung
HORIZONTAL ASSEMBLY

ARCHITECTURAL DETAILS
3/4" x 7/8" CEMENTIOUS TRIM
1/2" SHEATHING

Contractor Single Hung
VERTICAL ASSEMBLY

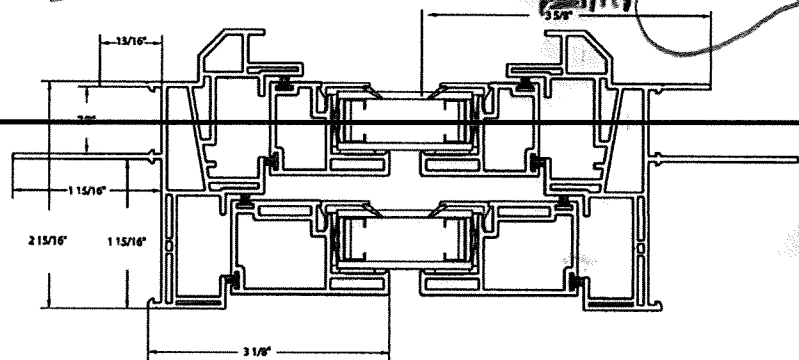
Contractor Double Hung



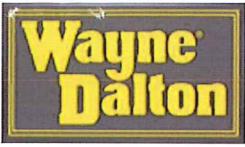
Contractor Double Hung
VERTICAL ASSEMBLY

3/4" x 3 1/2" CEMENTIOUS TRIM
1/2" SHEATHING

WINDOW DETAIL



Contractor Double Hung
HORIZONTAL ASSEMBLY



LOADING DOCK DOOR

Select Language | ▼

Home • Commercial • Sectional Steel Doors • Insulated Steel Doors • Model 150

Thermospan® 150 Sectional Steel Door

Insulated Sectional Steel Doors For Efficiency and Strength



Key Product Features:

- Polyurethane insulation, R-Value*=14.16
- Max Width 26'2"
- 1-3/8" Section Thickness
- Patented, roll-formed integral struts for rigidity
- Stucco embossed exterior with pinstriping

Wayne Dalton's Thermospan® 150 polyurethane insulated sectional steel door provides excellent thermal efficiency. Featuring an R-value of 14.16 (U-value of .0706), the Thermospan 150 is an excellent value when thermal efficiency is important but strength, rigidity and durability can't be compromised.

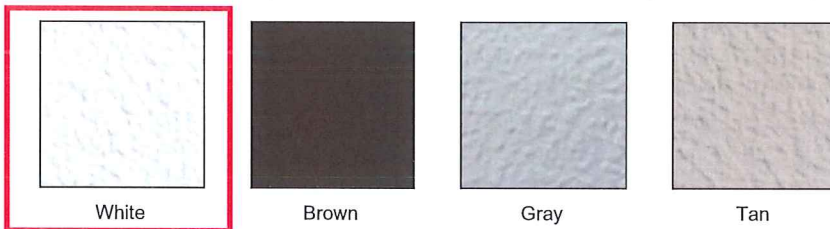
The Wayne Dalton Thermospan® Series doors are the only doors in the industry with patented, roll-formed integral struts on each section, making them the most rigid doors available.

Documents

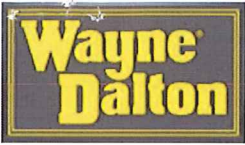
- [Brochure](#)
- [Specifications \(PDF\)](#)
- [Specifications \(DOC\)](#)
- [Door Operating Clearance](#)
- [Panel and Section Selection Guide](#)
- [Track Selection Guide](#)
- [Shop Drawing \(PDF\)](#)
- [Shop Drawing \(DWG\)](#)
- [Installation](#)
- [Warranty](#)
- [Windload Options](#)

Color Options

Pre-painted exterior is factory-finished with baked-on corrosion-resistant primer and a white, brown, gray or tan finish coat.



Window Options:



Select Language ▼

Home • Commercial • Sectional Steel Doors • Non Insulated Doors • Model C-2400

Sectional Steel Door Model C2400

Visually Appealing Doors for Medium Duty Commercial Applications



Key Product Features:

- Optional polystyrene insulation, R-Value=7.64
- Nominal 24 Gauge Ribbed Steel Sections
- Max Width 20'2"
- Tongue-and-Groove Joint Profile
- Ribbed exterior with embossed or smooth finishes in white or brown

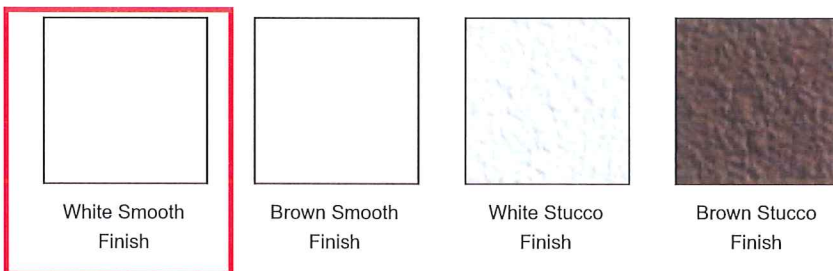
The Wayne Dalton C-2400 steel sectional door is available in a variety of sizes and an excellent value. Featuring nominal 24-gauge ribbed steel sections, the C-2400 offers a number of lite and insulation options. Available with an embossed finish in white or brown or a white smooth finish, the exterior of the C-2400 features a ribbed surface for increased strength and added visual appeal. Unique boxed-stile design with full 2" thickness and 3" width, plus tongue-and-groove construction, add vertical stability and strength. The stiles are continuously bonded to the skin surface with high strength adhesive, resulting in the strongest possible unit.

Documents

- [Brochure](#)
- [Specifications \(PDF\)](#)
- [Specifications \(DOC\)](#)
- [Door Operating Clearance](#)
- [Panel and Section Selection Guide](#)
- [Track Selection Guide](#)
- [Shop Drawing \(PDF\)](#)
- [Shop Drawing \(DWG\)](#)
- [Installation](#)
- [Installation Attachment](#)
- [Warranty](#)
- [Windload Options](#)

Colors Options:

A smooth or stucco-embossed finish with baked-on polyester primer and white or brown polyester finish coats. Each section features a ribbed surface for increased strength and aesthetics.



Window Options: