

ADDRESS OF PROJECT: 420 N Union St, Alexandria, VA 22314TAX MAP AND PARCEL: 065.01-05-22ZONING: RMAPPLICATION FOR: *(Please check all that apply)*☒ CERTIFICATE OF APPROPRIATENESS☐ PERMIT TO MOVE, REMOVE, ENCAPSULATE OR DEMOLISH  
(Required if more than 25 square feet of a structure is to be demolished/impacted)☐ WAIVER OF VISION CLEARANCE REQUIREMENT and/or YARD REQUIREMENTS IN A VISION  
CLEARANCE AREA (Section 7-802, Alexandria 1992 Zoning Ordinance)☐ WAIVER OF ROOFTOP HVAC SCREENING REQUIREMENT  
(Section 6-403(B)(3), Alexandria 1992 Zoning Ordinance)Applicant: ☒ Property Owner ☐ Business *(Please provide business name & contact person)*Name: Jessica Likas and Tim TranAddress: 420 N. Union StreetCity: Alexandria State: VA Zip: 22314Phone: 408-813-1476 or 443-624-3816 E-mail: trant50@hotmail.com or jessica.likas@gmail.comAuthorized Agent *(if applicable)*: ☐ Attorney ☐ Architect ☐ \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

## Legal Property Owner:

Name: Jessica Likas, Tim TranAddress: 420 N Union StCity: Alexandria State: VA Zip: 22314Phone: 408-813-1476 E-mail: trant50@hotmail.com

- ☐ Yes ☒ No Is there an historic preservation easement on this property?  
☐ Yes ☒ No If yes, has the easement holder agreed to the proposed alterations?  
☐ Yes ☒ No Is there a homeowner's association for this property?  
☐ Yes ☒ No If yes, has the homeowner's association approved the proposed alterations?

If you answered yes to any of the above, please attach a copy of the letter approving the project.

**Additions & New Construction:** Drawings must be to scale and should not exceed 11" x 17" unless approved by staff. All plans must be folded and collated into 3 complete 8 1/2" x 11" sets. Additional copies may be requested by staff for large-scale development projects or projects fronting Washington Street. Check N/A if an item in this section does not apply to your project.

- ☐ N/A
- ☒ Scaled survey plat showing dimensions of lot and location of existing building and other structures on the lot, location of proposed structure or addition, dimensions of existing structure(s), proposed addition or new construction, and all exterior, ground and roof mounted equipment.
  - ☒ FAR & Open Space calculation form.
  - ☒ Clear and labeled photographs of the site, surrounding properties and existing structures, if applicable.
  - ☒ Existing elevations must be scaled and include dimensions.
  - ☒ Proposed elevations must be scaled and include dimensions. Include the relationship to adjacent structures in plan and elevations.
  - ☒ Materials and colors to be used must be specified and delineated on the drawings. Actual samples may be provided or required.
  - ☒ Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
  - ☒ For development site plan projects, a model showing mass relationships to adjacent properties and structures.

**Signs & Awnings:** One sign per building under one square foot does not require BAR approval unless illuminated. All other signs including window signs require BAR approval. Check N/A if an item in this section does not apply to your project.

- ☐ N/A
- ☒ Linear feet of building: Front: \_\_\_\_\_ Secondary front (if corner lot): \_\_\_\_\_
  - ☒ Square feet of existing signs to remain: \_\_\_\_\_
  - ☒ Photograph of building showing existing conditions.
  - ☒ Dimensioned drawings of proposed sign identifying materials, color, lettering style and text.
  - ☒ Location of sign (show exact location on building including the height above sidewalk).
  - ☒ Means of attachment (drawing or manufacturer's cut sheet of bracket if applicable).
  - ☒ Description of lighting (if applicable). Include manufacturer's cut sheet for any new lighting fixtures and information detailing how it will be attached to the building's facade.

**Alterations:** Check N/A if an item in this section does not apply to your project.

- ☐ N/A
- ☒ Clear and labeled photographs of the site, especially the area being impacted by the alterations, all sides of the building and any pertinent details.
  - ☒ Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
  - ☒ Drawings accurately representing the changes to the proposed structure, including materials and overall dimensions. Drawings must be to scale.
  - ☒ An official survey plat showing the proposed locations of HVAC units, fences, and sheds.
  - ☒ Historic elevations or photographs should accompany any request to return a structure to an earlier appearance.

**ALL APPLICATIONS:** *Please read and check that you have read and understand the following items:*

- ☒ I have submitted a filing fee with this application. (Checks should be made payable to the City of Alexandria. Please contact staff for assistance in determining the appropriate fee.)
- ☒ I understand the notice requirements and will return a copy of the three respective notice forms to BAR staff at least five days prior to the hearing. If I am unsure to whom I should send notice I will contact Planning and Zoning staff for assistance in identifying adjacent parcels.
- ☒ I, the applicant, or an authorized representative will be present at the public hearing.
- ☒ I understand that any revisions to this initial application submission (including applications deferred for restudy) must be accompanied by the BAR Supplemental form and 3 sets of revised materials.

The undersigned hereby attests that all of the information herein provided including the site plan, building elevations, prospective drawings of the project, and written descriptive information are true, correct and accurate. The undersigned further understands that, should such information be found incorrect, any action taken by the Board based on such information may be invalidated. The undersigned also hereby grants the City of Alexandria permission to post placard notice as required by Article XI, Division A, Section 11-301(B) of the 1992 Alexandria City Zoning Ordinance, on the property which is the subject of this application. The undersigned also hereby authorizes the City staff and members of the BAR to inspect this site as necessary in the course of research and evaluating the application. The applicant, if other than the property owner, also attests that he/she has obtained permission from the property owner to make this application.

**APPLICANT OR AUTHORIZED AGENT:**

Signature: \_\_\_\_\_

Printed Name: Jessica Likas//Tim TranDate: 11/11/2015

# OWNERSHIP AND DISCLOSURE STATEMENT

Use additional sheets if necessary

**1. Applicant.** State the name, address and percent of ownership of any person or entity owning an interest in the applicant, unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1. Jessica Likas	420 N Union St Alexandria, VA 22314	50%
2. Tim Tran	420 N Union St Alexandria, VA 22314	50%
3.		

**2. Property.** State the name, address and percent of ownership of any person or entity owning an interest in the property located at 420 N Union St, Alexandria, VA 22314(address), unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1. Jessica Likas	420 N Union St Alexandria, VA, 22314	50%
2. Tim Tran	420 N Union St Alexandria, VA, 22314	50%
3.		

**3. Business or Financial Relationships.** Each person or entity listed above (1 and 2), with an ownership interest in the applicant or in the subject property is required to disclose any business or financial relationship, as defined by Section 11-350 of the Zoning Ordinance, existing at the time of this application, or within the 12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review.

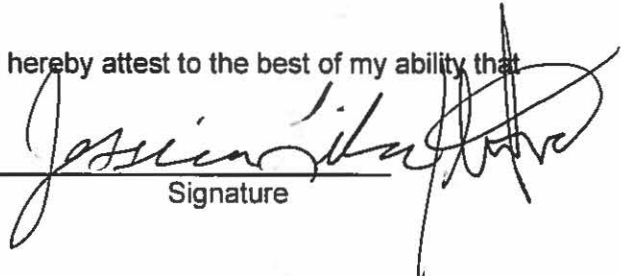
Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)
1. Jessica Likas	N/A	N/A
2. Tim Tran	N/A	N/A
3.		

**NOTE:** Business or financial relationships of the type described in Sec. 11-350 that arise after the filing of this application and before each public hearing must be disclosed prior to the public hearings.

As the applicant or the applicant's authorized agent, I hereby attest to the best of my ability that the information provided above is true and correct.

11/11/15  
Date

Jessica Likas//Tim Tran  
Printed Name

  
Signature

CURRENT ROOFTOP DECK FOR  
420 N UNION ST, ALEXANDRIA, VA 22314



MAJOR LEAK



APPLICATION MATERIALS  
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11/16/2015



**PROPOSED DECK STYLE FOR**

**420 N UNION ST, ALEXANDRIA, VA 22314**

**TEMPERED GLASS TREATED WITH 3M SAFETY AND SECURITY PRESTIGE WINDOW FILM**



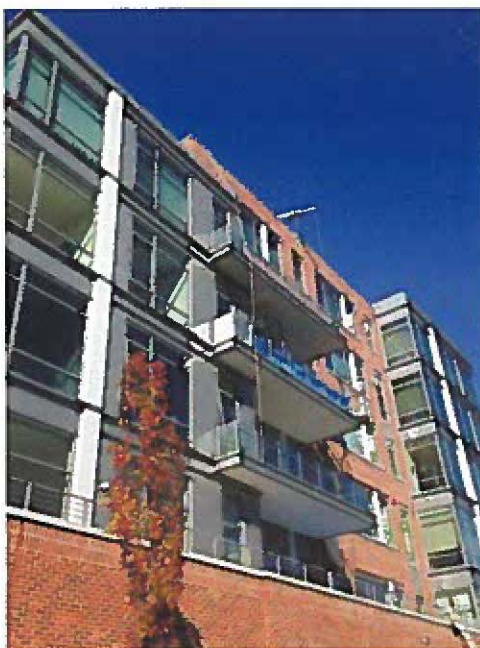


COMPARABLE NEAR BY GLASS DECKING

"the Oronoco"

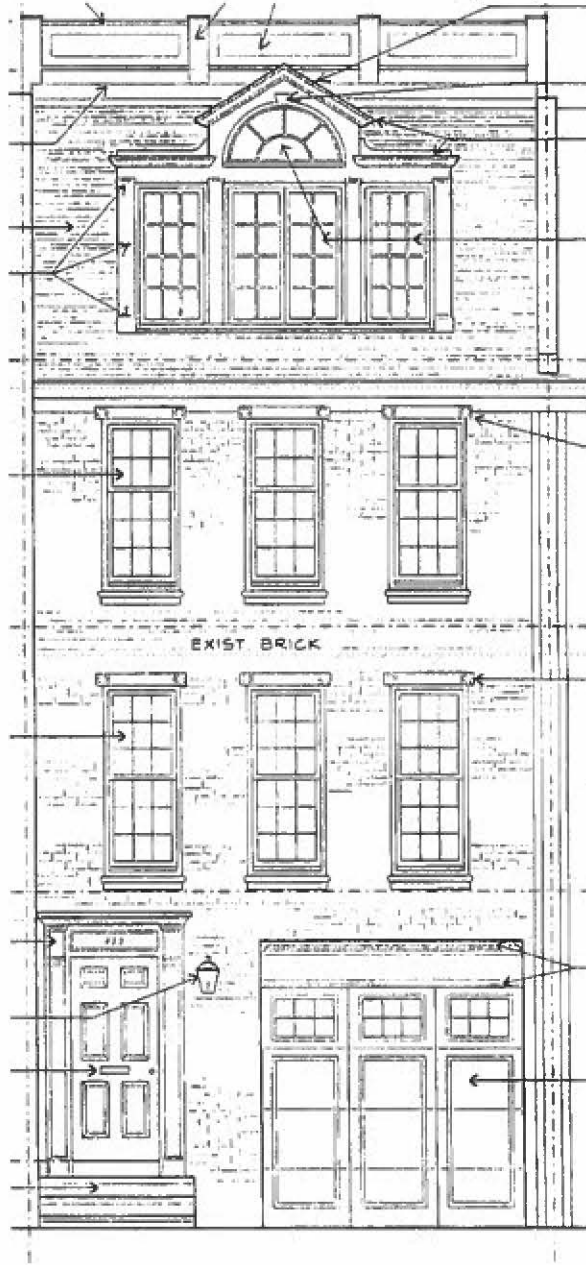
601 N Fairfax St, Alexandria, VA 22314

Across from Oronoco Bay Park



Tempered glass baluster treated  
with 3M safety film (handout 3, 4)

8 ft x 36 in white aluminum  
frame baluster railing kit (hand out 3)



## FRONT ELEVATION

### PROPOSED DECK ALTERATIONS TO LIKAS/TRAN RESIDENCE

(420 N Union St, Alexandria, VA 22314)

APPLICATION MATERIALS

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**8ft x 36 in white aluminum baluster railing parapet**

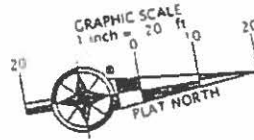


**REAR ELEVATION**

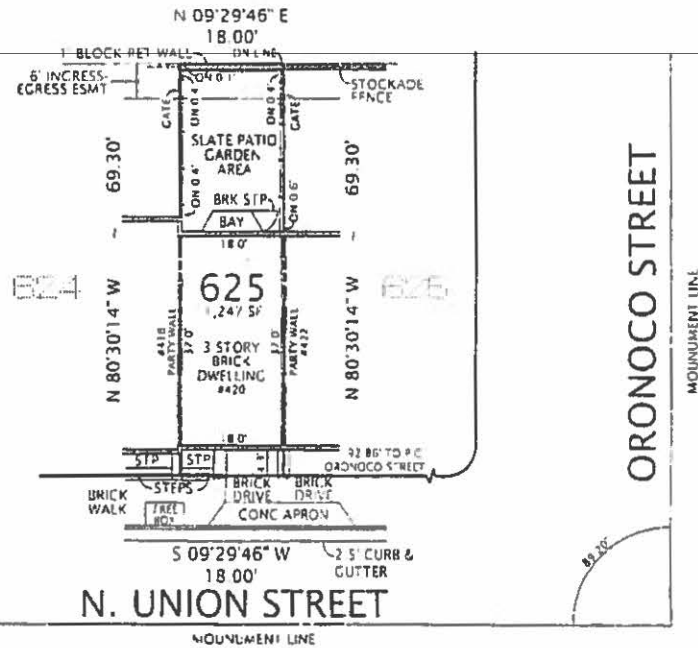
**PROPOSED DECK ALTERATIONS TO  
LIKAS/TRAN RESIDENCE**  
(420 N Union St, Alexandria, VA 22314)

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- NOTES 1. FENCES ARE FRAME.  
2. UTILITIES ARE UNDERGROUND



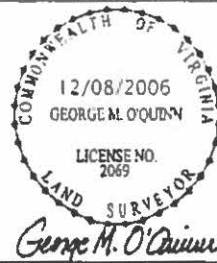
LEE STREET SQUARE  
PARCEL "A"



PLAT  
SHOWING HOUSE LOCATION ON  
LOT 625, SECTION FIVE  
**OLD TOWNE**  
CITY OF ALEXANDRIA, VIRGINIA  
SCALE 1" = 20' DECEMBER 8, 2006

I HEREBY CERTIFY THAT THE POSITIONS OF ALL THE EXISTING IMPROVEMENTS HAVE BEEN CAREFULLY ESTABLISHED BY A CURRENT FIELD SURVEY AND UNLESS SHOWN THERE ARE NO VISIBLE ENCROACHMENTS AS OF THIS DATE.

THIS PLAT IS SUBJECT TO RESTRICTIONS OF RECORD  
A TITLE REPORT WAS NOT FURNISHED  
NO CORNER MARKERS SET



CASE NAME  
SNYDER - PECK  
OLD DOMINION TITLE, INC

**DOMINION** Surveyors Inc.  
8808-H PEAR TREE VILLAGE COURT  
ALEXANDRIA, VIRGINIA 22309  
703.619.6555  
FAX 703.799.6412

CASE NAME SNYDER - PECK

CASE NO. 19596-065

#61205002

**SITE PLAN**

1" = 20'-0" 3/5/07



ROBERT BENTLEY ADAMS & ASSOCIATES P.C.  
405 South Washington Street Alexandria Virginia 22314  
Tel. 703.549.0650 Fax 703.549.3125  
ARCHITECTURE PLANNING INTERIORS

PROPOSED ALTERATIONS  
**PECK RESIDENCE**  
420 North Union Street Alexandria, VA

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## SECTION 07 5400

### THERMOPLASTIC MEMBRANE ROOFING

#12

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

Microsoft Word 2007: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, then select or deselect the HIDDEN TEXT option.

Microsoft Word (earlier versions): From the pull-down menus select TOOLS, then OPTIONS. Under the tab labeled VIEW, select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

This master specification section has been prepared by Skyline Building Systems (USA), Inc. for use in the preparation of a project specification section covering DecTec CoolStep thermoplastic membrane roofing systems. DecTec may be installed over minimum 5/8 inch thick plywood, concrete, or minimum 1/2 inch thick DensDeck Prime Roof Board by Georgia-Pacific. Contact Skyline Building Systems (USA), Inc. for a current list of approved substrates. DecTec is not compatible with treated wood or asphalt-based products.

The following guide specifications are also available for other Skyline Building Systems (USA), Inc. Products:

07 1819 - Thermoplastic Membrane Deck Waterproofing

07 5400-1 - Thermoplastic Membrane Roofing (Select 60 and 80 mil)

The following should be noted in using this specification:

Hypertext links to specific websites are included after names of organizations whose standards are referenced within the text, to assist in product selection and further research.

Hypertext links are contained in parenthesis and shown in blue, e.g.:

([www.astm.org](http://www.astm.org))

Optional text requiring a selection by the user is enclosed within brackets, e.g.: "Section [09 0000.] [\_\_\_\_.]"

Items requiring user input are enclosed within brackets, e.g.: "Section [\_\_\_\_ - \_\_\_\_]."

Optional paragraphs are separated by an "OR" statement, e.g.:

\*\*\*\* OR \*\*\*\*

"Green" requirements are included for projects requiring LEED certification, and are included as green text. For additional information on LEED, visit the U.S. Green Building Council website at [www.usgbc.org](http://www.usgbc.org).

For assistance on the use of the products in this section, contact Skyline Building Systems (USA), Inc. by calling 866-461-3914, by email at [service@dec-tec.com](mailto:service@dec-tec.com), or visit their website at [www.dec-tec.com](http://www.dec-tec.com).

#### PART 1 GENERAL

##### 1.1 SUMMARY

Edit the following paragraphs to include only those items specified in this section.

- A. Section Includes:
1. Polyvinyl chloride (PVC) membrane roofing.
  2. Integral flashings.
  3. Drain fittings.

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DecTec by Skyline Building Systems (USA), Inc. 07 5400-1  
07/27/10

Thermoplastic Membrane Roofing

#### 4. Scuppers.

Coordinate the following paragraphs with other sections in the project manual.

##### B. Related Sections:

1. Division 01: Administrative, procedural, and temporary work requirements.
2. Section [03 3300 - Cast-in-Place Concrete:] [ ] - [ ]: Concrete deck surfaces to receive roofing.
3. Section [06 1100 - Framing and Sheathing:] [ ] - [ ]: Wood deck surfaces to receive roofing.
4. Section [06 1643 - Gypsum Sheathing:] [ ] - [ ]: Gypsum roof board to receive roofing.

## 1.2 REFERENCES

In the following paragraphs, retain only those reference standards that are used elsewhere in this section.

##### A. ASTM International (ASTM) ([www.astm.org](http://www.astm.org)):

1. A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
2. C1371 - Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers.
3. D4434 - Standard Specification for Poly (Vinyl Chloride) Sheet Roofing.

##### B. Cool Roof Rating Council (CRRC) ([www.coolroofs.org](http://www.coolroofs.org)) CRRC-1 - Product Rating Program Manual.

## 1.3 SUBMITTALS

Limiting submittals to only those actually required helps to minimize liability arising from the review of submittals. Minimize submittals on smaller, less complex projects.

Include the following for submission of shop drawings, product data, and samples for the Architect's review. Edit to suit project requirements.

##### A. Submittals for Review:

1. Shop Drawings: Indicate deck slopes, seam layout, and flashing, termination, and special details.
2. Product Data: Manufacturer's product specifications, installation instructions, and general recommendations.
3. Samples:
  - a. [7 X 10] [ ] x [ ] inch membrane samples [showing available colors.] [in specified color.]
  - b. [3 x 3] [ ] x [ ] inch clad metal samples.
  - c. Typical drain fitting.
4. Warranty: Sample roofing warranty.

Include the following for submission of sustainable design submittals.

##### B. Sustainable Design Submittals:

1. Recycled Content: Certify percentage of recycled content.
2. Regional Materials: Certify that products have been manufactured within 500 mile radius of Project site.
3. Solar Reflectance Index: Certify solar reflectance and emissivity values.

## 1.4 QUALITY ASSURANCE

The following paragraph specifies a minimum level of experience required of the parties performing the work of this section. Retain if required, and edit to suit project requirements.

##### A. Installer Qualifications:

1. Minimum [2] [ ] years [documented] experience in work of this Section.

Thermoplastic Membrane Roofing

07 5400-2 DecTec by Skyline Building Systems (USA), Inc.  
07/27/10

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2. Registered with roofing system manufacturer.

Include the following for a pre-installation conference attended by the parties performing the work of this section. Edit to suit project requirements.

**B. Pre-Installation Conference:**

1. Convene at site [2] [ ] weeks prior to beginning work of this Section.
2. Attendance: [Architect,] [Contractor,] [Construction Manager,] roofing installer, and related trades.
3. Review and discuss: Contract Documents, roofing system manufacturer's literature, project conditions, scheduling, and other matters affecting installation.
4. Tour representative areas of roofing substrates; discuss substrate construction, related work, work conditions, and materials compatibility.

**1.5 DELIVERY, STORAGE AND HANDLING**

- A. Store products off ground in weathertight storage area.
- B. Do not remove materials from original packaging until required for same-day use.
- C. Protect adhesives from freezing.

**1.6 PROJECT CONDITIONS**

**A. Environmental Requirements:**

1. Do not apply waterproofing when deck surfaces are damp, snowy, icy, or frozen.
2. Do not apply waterproofing during inclement weather.
3. Apply waterproofing when ambient temperature and wind chill are within manufacturer's specified temperature parameters, based on adhesive used, for 24 hours before, during, and for 24 hours after application.
4. Do not use frozen materials.

**1.7 WARRANTIES**

- A. Furnish manufacturer's 20 year membrane warranty covering defects in materials.
- B. Provide applicator's 2 year warranty covering defects in installation.

**PART 2 PRODUCTS**

**2.1 MANUFACTURERS**

- A. Contract Documents are based on DecTec products by Skyline Building Systems (USA), Inc.

Edit the following to indicate whether or not substitutions will be permitted for the products in this section.

- B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

**2.2 MATERIALS**

**A. Roofing Membrane:**

1. Description: ASTM D4434, plasticized polyvinyl chloride (PVC), solid backed sheet with embedded polyester reinforcing scrim, ultraviolet stabilized, antimicrobial treated.
2. Size: 0.080 inch thick x maximum sheet size permitted by application and job conditions.
3. Fire rating: Class A on noncombustible deck.
4. Tested to CRRC-1; listed in CRRC Directory of Rated Products.
5. Solar reflectance: 0.71, tested to CRRC-1.
6. Emissivity: 0.87, tested to ASTM C1371.

Verify current recycled content with Skyline Building Systems (USA), Inc.

DecTec by Skyline Building Systems (USA), Inc. 07 5400-3  
07/27/10

Thermoplastic Membrane Roofing

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7. Recycled content: Minimum ☐ percent, classified as post-industrial.
8. Product: DecTec CoolStep.
9. Color: Cool White.

## 2.3 ACCESSORIES

- A. Membrane Flashings: DecTec Pre-Formed DecFlash.
- B. Metal Flashings: Galvanized steel, ASTM A653/A653M, G90 coating class, minimum 24 gage, laminated with PVC membrane in color to match roofing membrane.
- C. Scuppers: Fabricated from PVC-clad flashing material; incorporate positive slope to ensure drainage.

Include the following paragraph for PVC-clad drain fittings; contact Skyline Building Systems (USA), Inc. for other acceptable drain types.

- D. Drain Fittings: Spun aluminum clad with minimum 0.015 inch thick PVC, with drain grate and membrane clamping ring.
- E. Filler Material: Cementitious type as recommended by roofing membrane manufacturer
- F. Adhesives and Sealants: As recommended by roofing membrane manufacturer.

## PART 3 EXECUTION

### 3.1 PREPARATION

- A. Fill voids in substrate using filler material; finish smooth and flush.
- B. Remove projections that could puncture membrane from substrate.
- C. Clean substrate of loose and foreign material, oil, and grease.
- D. Complete penetrations and preparation for drains, flashings, and other penetrations prior to beginning roofing.

Edit the following paragraph to suit project requirements.

- E. Recess surfaces to receive [edge flashings] [drains] [scuppers] to provide smooth, free draining surface.

### 3.2 INSTALLATION

- A. Install roofing system in accordance with manufacturer's instructions and approved Shop Drawings.
- B. Position roofing sheets without stretching and wrinkles. Allow membrane to relax before proceeding.
- C. Provide minimum 2 inch lap at joints between adjacent sheets.
- D. Join seams and laps by heat welding.
- E. Bond membrane to substrate with full adhesive bed.
- F. Secure membrane at perimeter according to manufacturer's recommendations.
- G. Juncture of Horizontal and Vertical Surfaces:
  1. Install membrane or metal flashings as indicated on Drawings.
  2. Use longest practical length flashing to minimize joints.
  3. Adhere membrane flashings to substrate with full bed of adhesive.
  4. Install metal flashings with provisions for thermal movement.

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5. Make watertight connections to metal flashings.
  6. Terminate top edge as directed by manufacturer.
- H. Penetrations through Membrane:
1. Use premolded flashings wherever possible.
  2. Where premolded flashings cannot be installed, use flashing field fabricated from PVC membrane material.
  3. Seal between membrane and drain fitting base.

END OF SECTION

APPLICATION MATERIALS  
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More saving.  
More doing.

Your Store: **Mishawaka #2033**  
Use Current Location or find store

#2

**EZ Handrail** Model # EZ8RW Internet # 100669121  
**8 ft. x 36 in. White Aluminum Baluster Railing Kit**

★★★★ (18) Write a Review Questions & Answers (2)



**\$225.33** /each

PRODUCT NOT SOLD IN STORES

Open Expanded View

Click Image to Zoom



**PRODUCT OVERVIEW** Model # EZ8RW Internet # 100669121 Store SO SKU # 1000073189

The EZ Handrail pre-engineered railing system combines the durability, strength, and low maintenance of aluminum while meeting nationwide building codes. With residential and commercial heights available, EZ Handrail is ideal for both professional and do-it-yourself installations since no special tools or skills are required. Whether installed at your home, business, or commercial project you can rest assured the 10-year finish warranty and low maintenance of EZ Handrail will provide years of satisfaction and safety.

- Quickly assembles and installs between existing posts or with EZ posts purchased separately
- Includes top and bottom mounting brackets and all the necessary hardware and fasteners required to attach to metal, wood, brick or concrete posts, walls or columns
- Designed also be used for stairs or ramp applications by mitering (cutting) the pickets at the appropriate angle and then installed with EZ pivot mount kit (stair brackets) (part# ezipmhb, purchased separately)
- Family-friendly construction protects kids and pets, eliminating toxic wood treatments, constant splinters and protruding nail heads
- 100% aluminum alloy for superior strength
- Residential applications

**SPECIFICATIONS**

**DIMENSIONS**

Actual panel height (in.)	36	Assembled Width (in.)	96 in
Actual panel width (in.)	96	Product Depth (in.)	2.5
Assembled Depth (in.)	2.5 in	Product Height (in.)	36

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Assembled Height (in.)	36 in	Product Width (in.)	96
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**DETAILS**

Color/Finish	White	Package Contents	Top rail, bottom rail, balusters, four mounting brackets, fasteners for wood and metal posts
Hardware Included	Yes	Returnable	90-Day
Interior/Exterior	Interior/Exterior	Stair Part Type	Kit
Material	Aluminum		

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More saving.  
More doing.

Your Store **Alexandria #4603**  
Use Current Location or [find store](#)

#36)

**EZ Handrail** Model # EZG825 Internet # 202843281

## 8 in. x 29 in Tempered Glass Baluster for Residential 36 in. Railing



(2)

[Write a Review](#)

[Questions & Answers \(5\)](#)



**\$25.83** /each

PRODUCT NOT SOLD IN STORES

[Open Expanded View](#)

[Click Image to Zoom](#)



### PRODUCT OVERVIEW Model # EZG825 Internet # 202843281 Store SO SKU # 1000073063

The 8 in. glass baluster is a replacement baluster for an EZ Handrail Glass Edition Kit. It is easily installed without having to disassemble the existing EZ Glass Edition handrail. This baluster is compatible with 36 in. residential height railing kits.

- Tempered clear glass 0.25 in.
- Polished edges for additional safety
- Child friendly
- Greater visibility over other railing styles
- Allows airflow throughout deck or patio

### SPECIFICATIONS

#### DIMENSIONS

Assembled Depth (in.)	.25 in	Product Depth (in.)	.25 in
Assembled Height (in.)	29 in	Product Height (in.)	29 in
Assembled Width (in.)	8 in	Product Width (in.)	8 in

#### DETAILS

Color Family	Brown	Prefinished	No
Color/Finish	Clear	Primed	No

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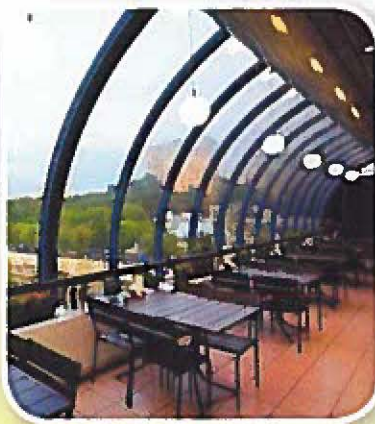
Interior/Exterior	Interior/Exterior	Returnable	90-Day
Material	Glass	Stainable/Paintable	No
Number of balusters included	1	Stair Part Type	Baluster



# Clearly Superior Ultimate Protection

#4

Ultra Prestige



## Benefits

- Combines the benefits of 3M™ Ultra Series with the benefits of 3M™ Prestige Series Window Film
- Micro-layered, tear-resistant film for enhanced protection of people, property and possessions
- Helps to increase security and provide added protection against smash and grab burglaries
- High visual light transmission providing excellent aesthetics
- Up to 97% infrared rejection providing energy savings and enhanced comfort\*
- Low interior and exterior reflectivity enhances views while maintaining exterior appearance
- Can be combined with 3M™ Impact Protection attachment systems for additional safety and security
- Helps extend the life of furnishings by significantly reducing harmful UV rays, the largest cause of fading
- Comprehensive warranty from 3M

\*IR Rejection as measured from 900–1000 nm

3M products are tested to multiple industry standards. Results are available upon request in order to assist you in both product selection and help you meet local building requirements and/or standards.

Break and Entry	★★★★	Visible Light Transmission	★★★★
Safety Glazing	★★★★	Low Reflection	★★★★
Seismic	★★★★	Infrared Rejection	★★★★
Blast Mitigation	★★★★		

*In comparison to other 3M™ Safety & Security Window Films*

Best ★★★★★ Better ★★★ Good ★★ Fair ★

## Valued Associations & Alliances



## APPLICATION MATERIALS

BAR2015-00373  
420 N Union St  
11/16/2015





## Break and Entry

- Provides precious time by helping to deter unwanted individuals from entering your building or home
- Helps to protect occupants and assets

## Completed Testing — Ultra S600

- EN 356
- Forced Entry Demonstration at third-party test facility



## Safety Glazing and Human Impact

- Upgrade your glass to meet safety glazing codes
- Help protect your occupants from broken glass hazards

## Completed Testing

- ANSI Z97.1
- 16 CFR CPSC 1201







## Bomb Blast and Explosion Protection

- Help protect people from flying glass shards, one of the most common causes of blast related injuries and fatalities

## Completed Testing

- ASTM F1642
- GSA TS01-2003

## Product Performance & Technical Data

Glass Type (All 1/4")	Film Type	Visible Light			Total Solar Energy Rejected	Solar Heat Gain Coefficient	U Value	Solar Heat Reduction	UV Light Rejected	Glare Reduction	Visible Light to Solar Heat Gain Ratio
		Reflected (Interior)	Reflected (Exterior)	Transmitted							
 Clear	Ultra PR S70	9%	10%	68%	50%	0.51	1.02	38%	99.9%	23%	1.4
	Ultra PR S50	7%	9%	48%	56%	0.44	1.02	46%	99.9%	46%	1.1
 Tinted	Ultra PR S70	8%	6%	41%	56%	0.44	1.02	30%	99.9%	23%	0.9
	Ultra PR S50	7%	6%	29%	60%	0.40	1.02	37%	99.9%	45%	0.7
 Double Clear	Ultra PR S70	13%	16%	61%	44%	0.56	0.47	20%	99.9%	23%	1.1
	Ultra PR S50	9%	15%	43%	47%	0.53	0.47	25%	99.9%	46%	0.8
 Double Tinted	Ultra PR S70	12%	9%	37%	58%	0.42	0.47	17%	99.9%	23%	0.9
	Ultra PR S50	9%	9%	26%	60%	0.40	0.47	21%	99.9%	46%	0.6

## Film Properties — Nominal

Note: The following technical information and data is based upon limited 3M testing conditions and should not be used for specification purposes.

Film Type	Film Thickness	Construction	Tear Resistance	Tensile Strength	Break Strength	Elongation at Break	Peel Strength	Abrasion Resistance
Ultra Prestige	8 mil (0.22mm)	Micro-layered	1,100 lbs%	27,000 psi (186 MPa)	215 lbs/in (956 N/25mm)	120%	> 4 lbs/in (18 N/25mm)	3% Δ Haze

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APPLICATION MATERIALS

BAR2015-00373

420 N Union St

11/16/2015



More saving.  
More doing.

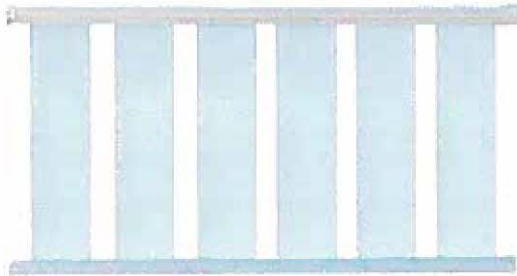
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# 3(a)

EZ Handrail Model # EZG800 Internet # 202843277

## 8 ft. x 36 in. White Aluminum Frame Glass Baluster Railing Kit

[Write the First Review](#) [Questions & Answers \(2\)](#)



**\$359.32** /box

PRODUCT NOT SOLD IN STORES

[Open Expanded View](#)

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### PRODUCT OVERVIEW Model # EZG800 Internet # 202843277 Store SO SKU # 1000073141

The EZ Glass Railing Kit is a premium glass baluster railing solution for decks, patios, and more. Each kit contains 8 in. glass balusters, top and bottom rails, silicone rubber extrusions for securing the glass without messy caulks, all fasteners, and mounting brackets for easy assembly and installation between existing posts. Each glass balusters is made of 1/4 in. tempered glass for incredible durability and safety even in busy commercial environments. This system is ideal for both professional and do-it-yourself installations since no special tools or skills are required. Whether installed at your home, business, or commercial project you can rest assured the 10-year finish warranty and low maintenance of EZ Handrail will provide years of satisfaction and safety.

- Includes all necessary brackets and fasteners to mount to wood, metal or concrete posts
- Compatible with all sizes of EZ Handrail posts (Sold separately)
- Includes 1/4 in. clear tempered glass balusters with 100% aluminum alloy framing for superior strength
- Rubber silicone glass locking system contains UV inhibitors and anti-fungal properties to maintain beauty and structural integrity
- International building code (IBC) compliant
- Low maintenance powder coat finish
- Family-friendly construction protects kids and pets, eliminating toxic wood treatments, constant splinters and protruding nail heads

### SPECIFICATIONS

#### DIMENSIONS

Picket spacing (in.)	3.75	Product Height (in.)	36 in
Product Depth (in.)	2.75 in	Product Width (in.)	96 in

#### DETAILS

Cap/top included	Yes	Returnable	90-Day
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APPLICATION MATERIALS  
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Color Family	White	Stainable/Paintable	Paintable
Fillet Included	No	Stainable/paintable handrail	Yes
Interior/Exterior	Interior/Exterior	Stair Part Type	Kit
Material	Aluminum	Structural/ornamental	Structural/ornamental
Number of framing/post rails for panels	0	Water Resistant	Yes
Number of picket/baluster rails for panels	8	Water resistant handrail	Yes