

ADDRESS OF PROJECT: 212 South Alfred Street, Alexandria, Virginia 22314

TAX MAP AND PARCEL: 074.02-12-31 ZONING: RM

APPLICATION 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: Rahmi Hakin Ozsancak

Address: 212 South Alfred Street

City: Alexandria                      State: VA    Zip: 22314

Phone: 703-836-8437                      E-mail: dimondadams@comcast.net

Authorized Agent *(if applicable)*:     Attorney     Architect     \_\_\_\_\_

Name: Stephanie R. Dimond, Dimond Adams Design Architecture                      Phone: 703-836-8437

E-mail: dimondadams@comcast.net

Legal Property Owner:

Name: Rahmi Hakin Ozsancak

Address: 212 South Alfred Street

City: Alexandria                      State: VA    Zip: 22314

Phone: 703-836-8437                      E-mail: dimondadams@comcast.net

- 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.

**NATURE OF PROPOSED WORK:** *Please check all that apply*

- NEW CONSTRUCTION
- EXTERIOR ALTERATION: *Please check all that apply.*
  - awning
  - doors
  - lighting
  - other \_\_\_\_\_
  - fence, gate or garden wall
  - windows
  - pergola/trellis
  - HVAC equipment
  - siding
  - painting unpainted masonry
  - shutters
  - shed
- ADDITION
- DEMOLITION/ENCAPSULATION
- SIGNAGE

**DESCRIPTION OF PROPOSED WORK:** *Please describe the proposed work in detail (Additional pages may be attached).*

New rear two story addition to existing structure. Addition would encapsulate part of the existing rear "el." Addition to be sided and have a new metal roof and new clad windows. The side windows in the existing "El" will be replaced with wood windows and doors. Encapsulation if necessary to construct the addition.

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**SUBMITTAL REQUIREMENTS:**

Items listed below comprise the **minimum supporting materials** for BAR applications. Staff may request additional information during application review. Please refer to the relevant section of the *Design Guidelines* for further information on appropriate treatments.

Applicants must use the checklist below to ensure the application is complete. Include all information and material that are necessary to thoroughly describe the project. Incomplete applications will delay the docketing of the application for review. Pre-application meetings are required for all proposed additions. All applicants are encouraged to meet with staff prior to submission of a completed application.

Electronic copies of submission materials should be submitted whenever possible.

**Demolition/Encapsulation :** *All applicants requesting 25 square feet or more of demolition/encapsulation must complete this section. Check N/A if an item in this section does not apply to your project.*

- <sup>N/A</sup>  Survey plat showing the extent of the proposed demolition/encapsulation.
- Existing elevation drawings clearly showing all elements proposed for demolition/encapsulation.
- Clear and labeled photographs of all elevations of the building if the entire structure is proposed to be demolished.
- Description of the reason for demolition/encapsulation.
- Description of the alternatives to demolition/encapsulation and why such alternatives are not considered feasible.

\* Note: There are no alternatives to demolition/encapsulation

**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 12 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.

- <sup>N/A</sup> 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.

- <sup>N/A</sup> 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 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.

- <sup>N/A</sup> 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.

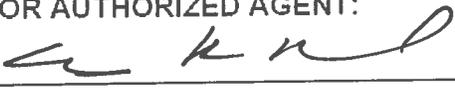
**ALL APPLICATIONS:** *Please read and check that you have read and understand the following items:*

- 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 12 sets of revised materials.

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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: Stephanie R. Dimond

Date: 4.16.12



## DEPARTMENT OF PLANNING AND ZONING FLOOR AREA RATIO AND OPEN SPACE CALCULATIONS

### A. Property Information

A1. Street Address 212 S. ALFRED ST. Zone RM  
 A2. 1579 x 1.5 = 2368.5  $\square$   
Total Lot Area                      Floor Area Ratio Allowed by Zone                      Maximum Allowable Floor Area

### B. Existing Gross Floor Area

Existing Gross Area*		Allowable Exclusions	
Basement	189.48	Basement**	189.48
First Floor	624.5	Stairways**	85.28
Second Floor	624.5	Mechanical**	
Third Floor		Other**	
Porches/ Other		Total Exclusions	274.76
<b>Total Gross *</b>	<b>1438.48</b>		

B1. Existing Gross Floor Area \*  
1438.48 Sq. Ft.  
 B2. Allowable Floor Exclusions\*\*  
274.76 Sq. Ft.  
 B3. Existing Floor Area minus Exclusions  
1163.72 Sq. Ft.  
 (subtract B2 from B1)

### C. Proposed Gross Floor Area (does not include existing area)

Proposed Gross Area*		Allowable Exclusions	
Basement	240.95	Basement**	240.95
First Floor	240.95	Stairways**	
Second Floor	240.95	Mechanical**	
Third Floor		Other**	
Porches/ Other		Total Exclusions	240.95
<b>Total Gross *</b>	<b>722.85</b>		

C1. Proposed Gross Floor Area \*  
722.85 Sq. Ft.  
 C2. Allowable Floor Exclusions\*\*  
240.95 Sq. Ft.  
 C3. Proposed Floor Area minus Exclusions  
481.9 Sq. Ft.  
 (subtract C2 from C1)

### D. Existing + Proposed Floor Area

D1. Total Floor Area (add B3 and C3) 1645.62 Sq. Ft.  
 D2. Total Floor Area Allowed by Zone (A2) 2368.5 Sq. Ft.

\*Gross floor area is the sum of all gross horizontal areas under roof, measured from the face of exterior walls, including basements, garages, sheds, gazebos, guest buildings and other accessory buildings.

\*\* Refer to the zoning ordinance (Section 2-145(B)) and consult with zoning staff for information regarding allowable exclusions.

If taking exclusions other than basements, floor plans with excluded areas must be submitted for review. Sections may also be required for some exclusions.

### F. Open Space Calculations

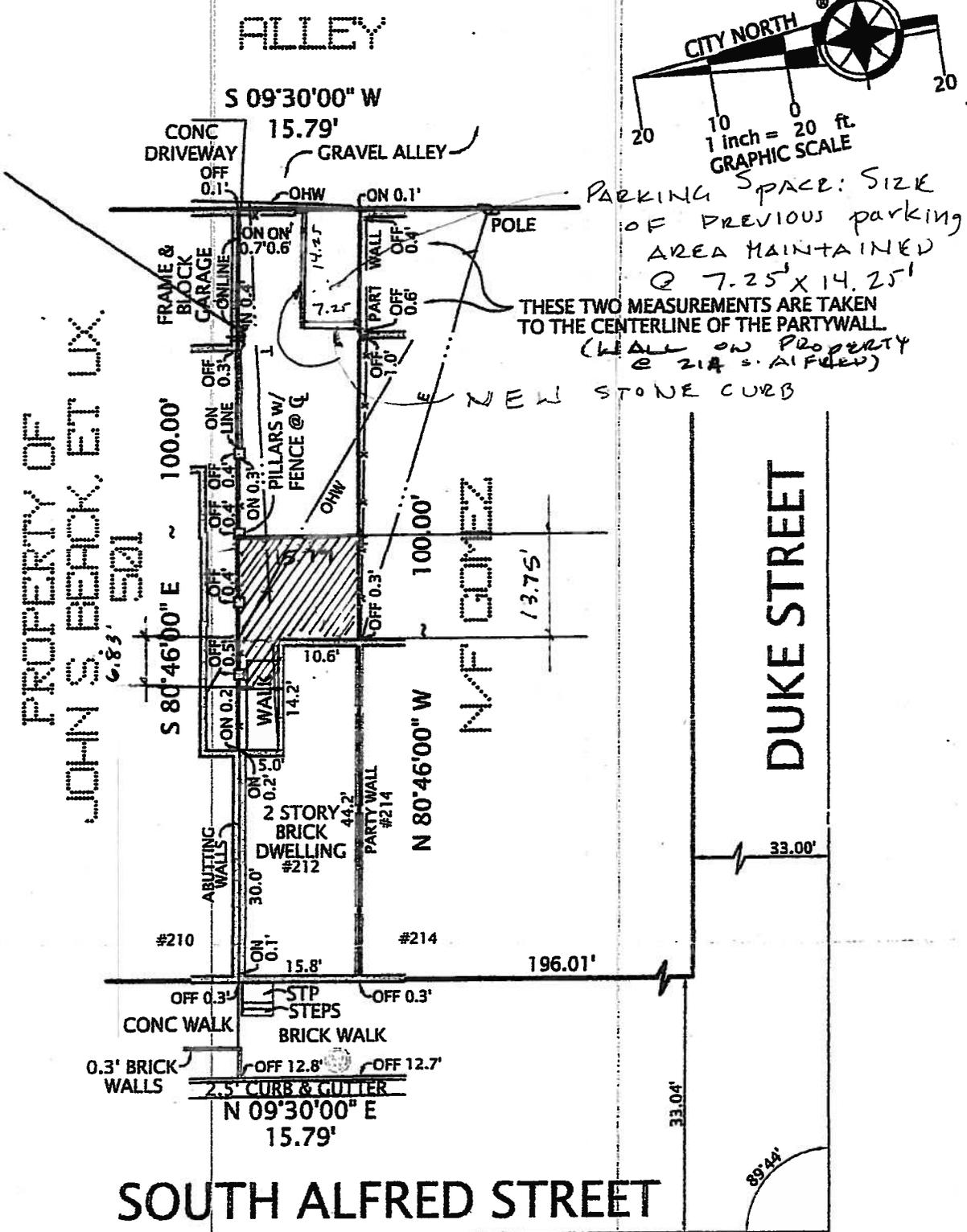
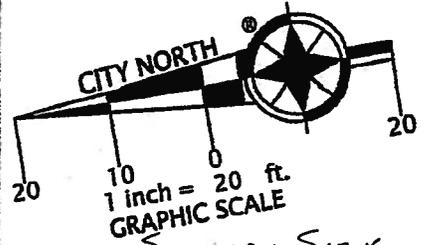
Existing Open Space	777.80
Required Open Space	552.65
Proposed Open Space	560.66

The undersigned hereby certifies and attests that, to the best of his/her knowledge, the above computations are true and correct.

Signature:  Date: 7.15.12



NOTES: 1. FENCES ARE FRAME.

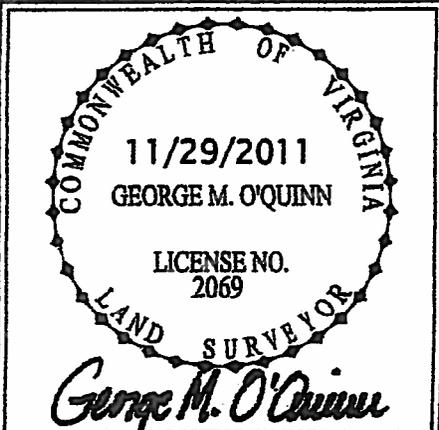


PLAT  
 SHOWING HOUSE LOCATION ON  
 THE PROPERTY LOCATED AT  
**#212 SOUTH ALFRED STREET**  
 (DEED BOOK 740, PAGE 714)  
 CITY OF ALEXANDRIA, VIRGINIA  
 SCALE: 1" = 20'      NOVEMBER 29, 2011

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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.



ORDERED BY:  
 HARRIS ESTATE - OZSANCAK  
 LAW OFFICES, MARK S. ALLEN

**DOMINION** Surveyors Inc.®  
 8808-H PEAR TREE VILLAGE COURT  
 ALEXANDRIA, VIRGINIA 22309  
 703-619-6555  
 FAX: 703-799-6412



212 South Alfred Street  
Alexandria, VA 22314

## Ozsancak Residence

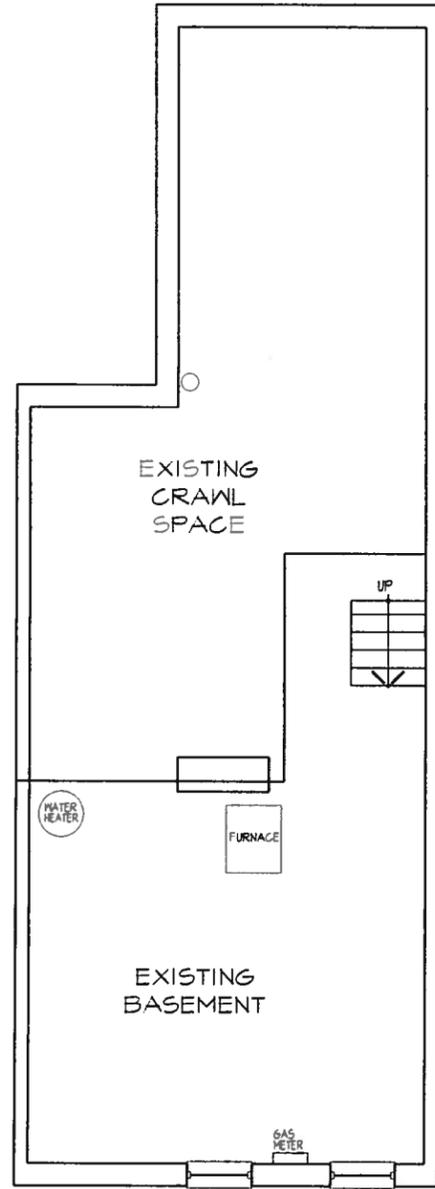
BAR Submission  
April 16, 2012



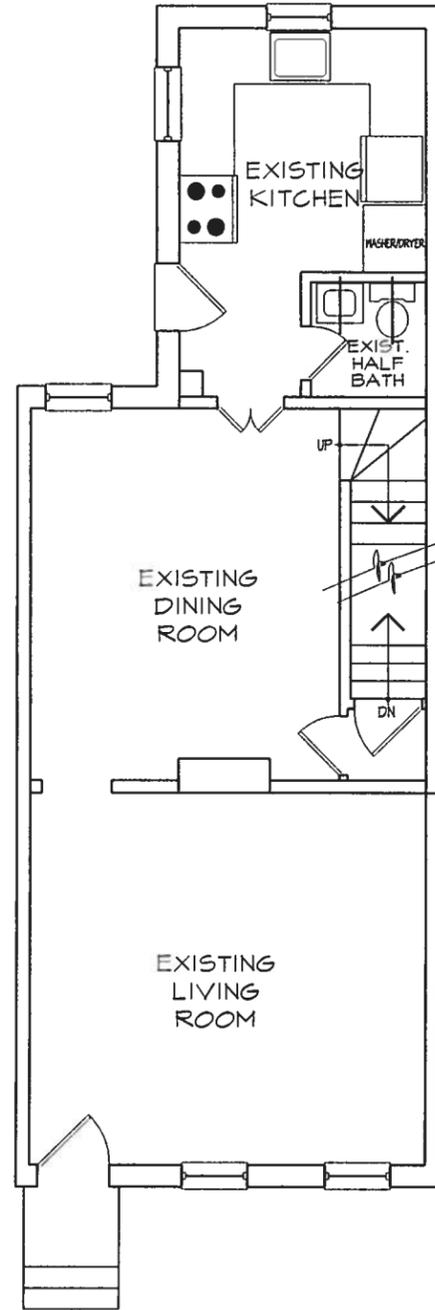
View 2:  
Rear Elevation at front block of house



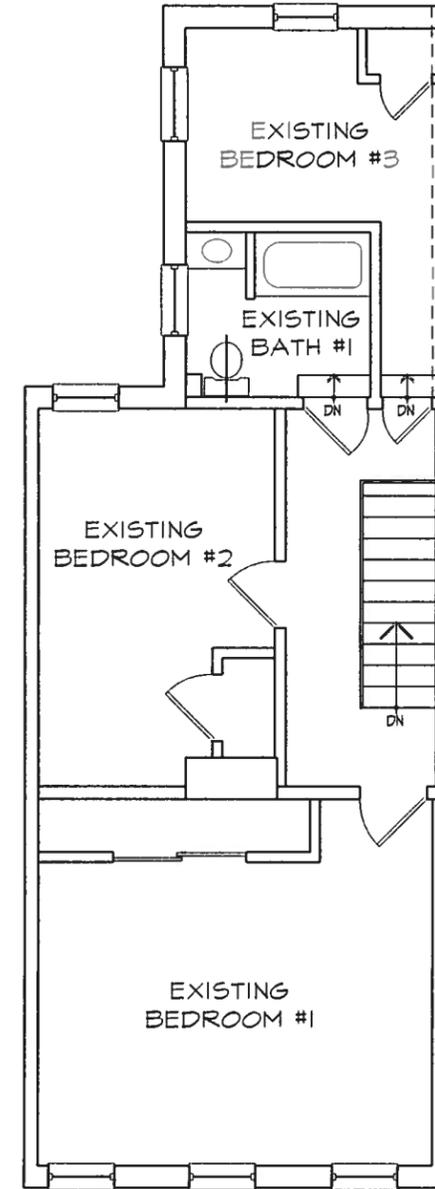
View 3:  
Rear Elevation of "EL"



EXISTING BASEMENT  
FLOOR PLAN  
1/4"=1'-0"



EXISTING FIRST  
FLOOR PLAN  
1/4"=1'-0"



EXISTING SECOND  
FLOOR PLAN  
1/4"=1'-0"

**DIMOND ADAMS**  
**DESIGN ARCHITECTURE**

6 WEST MAPLE STREET • ALEXANDRIA, VIRGINIA 22301  
TELEPHONE 703 687-1111 FAX 703 687-1112

**OZSANCAR RESIDENCE**  
212 SOUTH ALFREY STREET  
ALEXANDRIA, VA

**ISSUE DATE**  
DESIGN  
04/09/12  
**B A R**  
04/16/12

**SHEET TITLE**  
EXISTING  
PLANS

**SHEET NUMBER**

A-1



EXISTING SECOND FLOOR CEILING AT FRONT

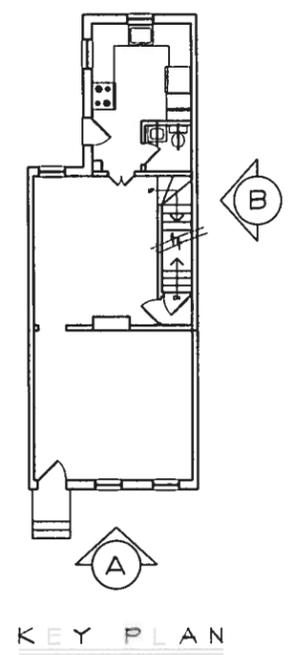
7'-0"± FIELD VERIFY

EXISTING SECOND FLOOR AT FRONT

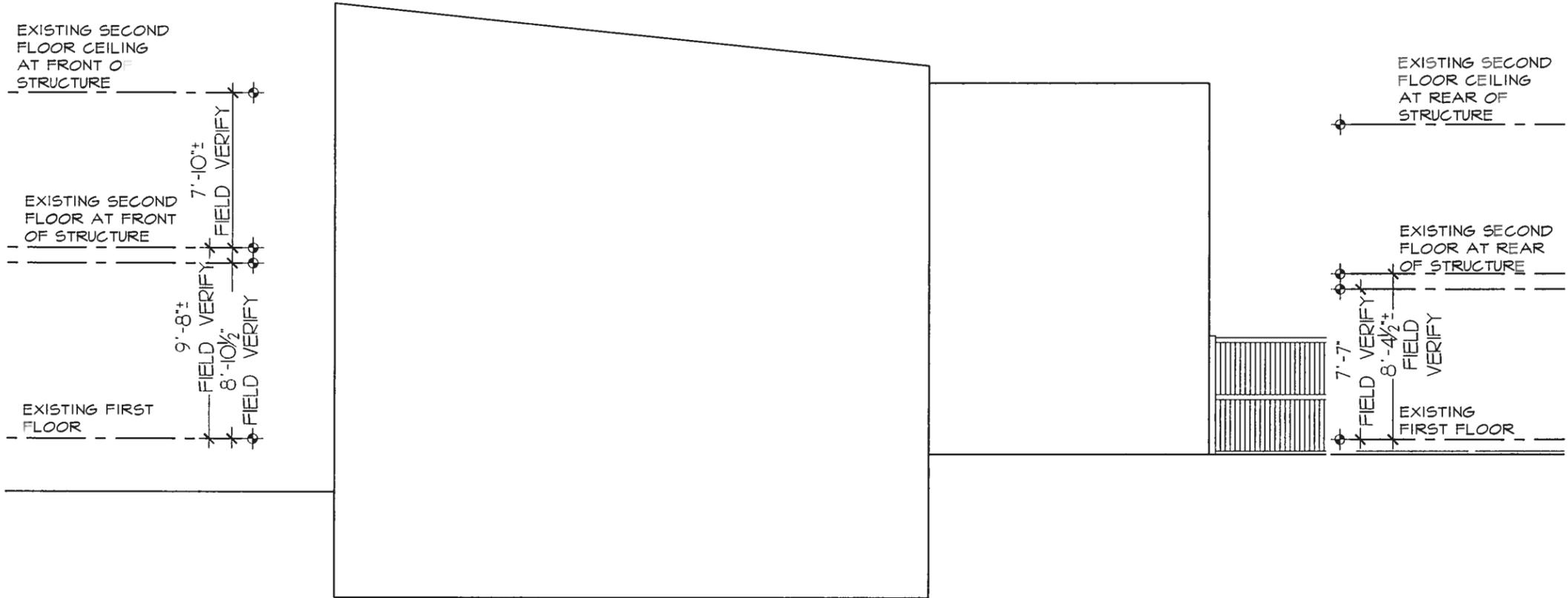
8'-10"± FIELD VERIFY

9'-8"± FIELD VERIFY

EXISTING FIRST FLOOR



**A** EXISTING FRONT WEST ELEVATION  
1/4"=1'-0"



EXISTING SECOND FLOOR CEILING AT REAR OF STRUCTURE

EXISTING SECOND FLOOR AT REAR OF STRUCTURE

7'-7" FIELD VERIFY

8'-4 1/2"± FIELD VERIFY

EXISTING FIRST FLOOR

EXISTING SECOND FLOOR CEILING AT FRONT OF STRUCTURE

7'-10"± FIELD VERIFY

9'-8"± FIELD VERIFY

8'-10"± FIELD VERIFY

EXISTING FIRST FLOOR

**B** EXISTING SIDE SOUTH ELEVATION  
1/4"=1'-0"

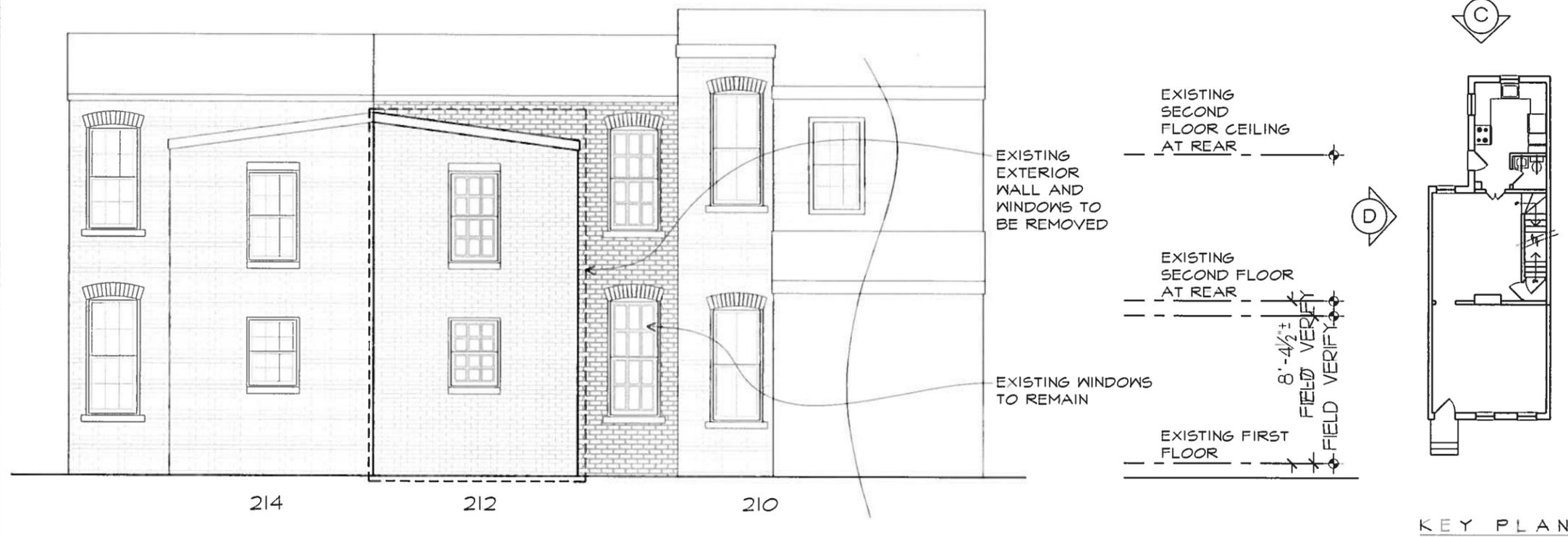
**DIMOND ADAMS**  
DESIGN ARCHITECTURE  
6 WEST MAPLE STREET • ALEXANDRIA, VIRGINIA 22301  
TELEPHONE: 703.683.8877

**OZSANCAR RESIDENCE**  
212 SOUTH ALFREY STREET  
ALEXANDRIA, VA

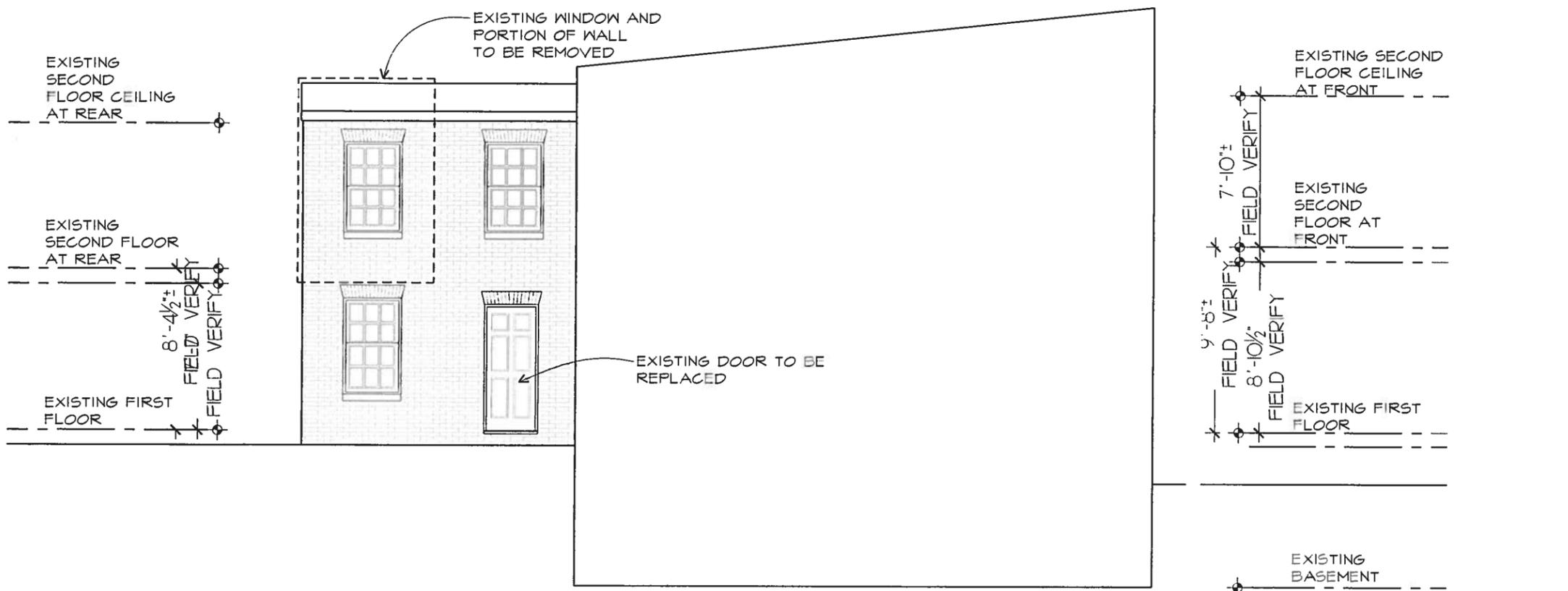
**ISSUE DATE**  
DESIGN 04/09/12  
B A R 04/16/12

**SHEET TITLE**  
EXISTING ELEVATIONS

**SHEET NUMBER**  
A-2



**C** EXISTING REAR EAST ELEVATION  
1/4"=1'-0"



**D** EXISTING SIDE NORTH ELEVATION  
1/4"=1'-0"

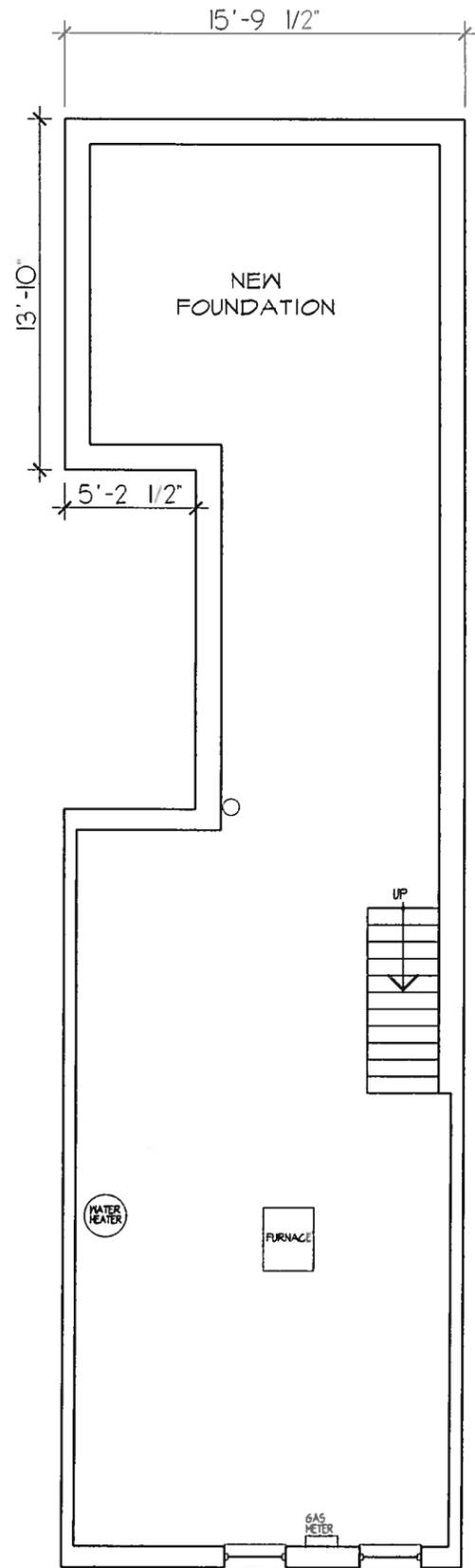
**DIMOND ADAMS**  
DESIGN ARCHITECTURE  
6 WEST MAPLE STREET • ALEXANDRIA, VIRGINIA 22301  
TELEPHONE 703 685 9077  
FACSIMILE 703 685 9077

**OZSANCAR RESIDENCE**  
212 SOUTH ALFREY VIRGINIA  
ALEXANDRIA, VA

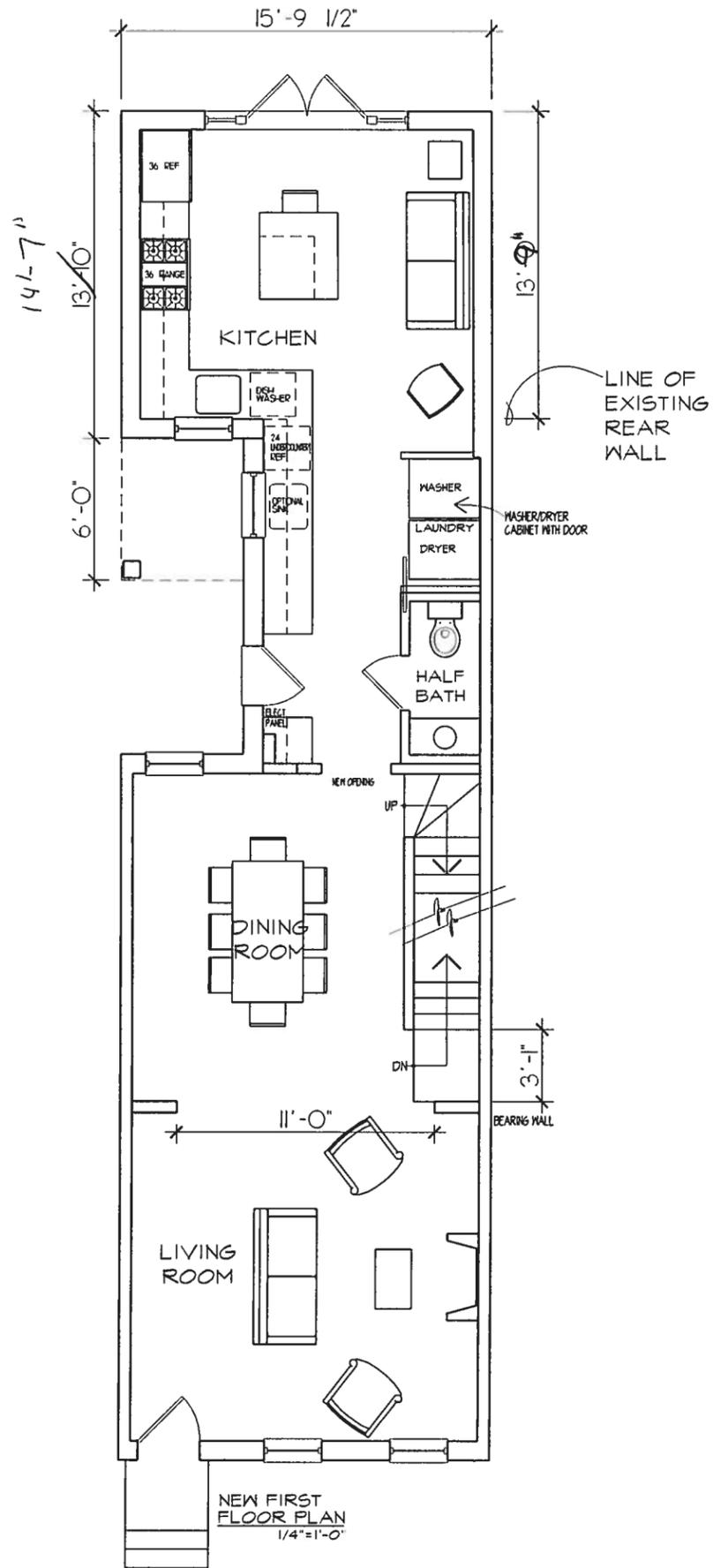
**ISSUE DATE**  
DESIGN  
04/09/12  
B A R  
04/16/12

**SHEET TITLE**  
EXISTING  
ELEVATIONS

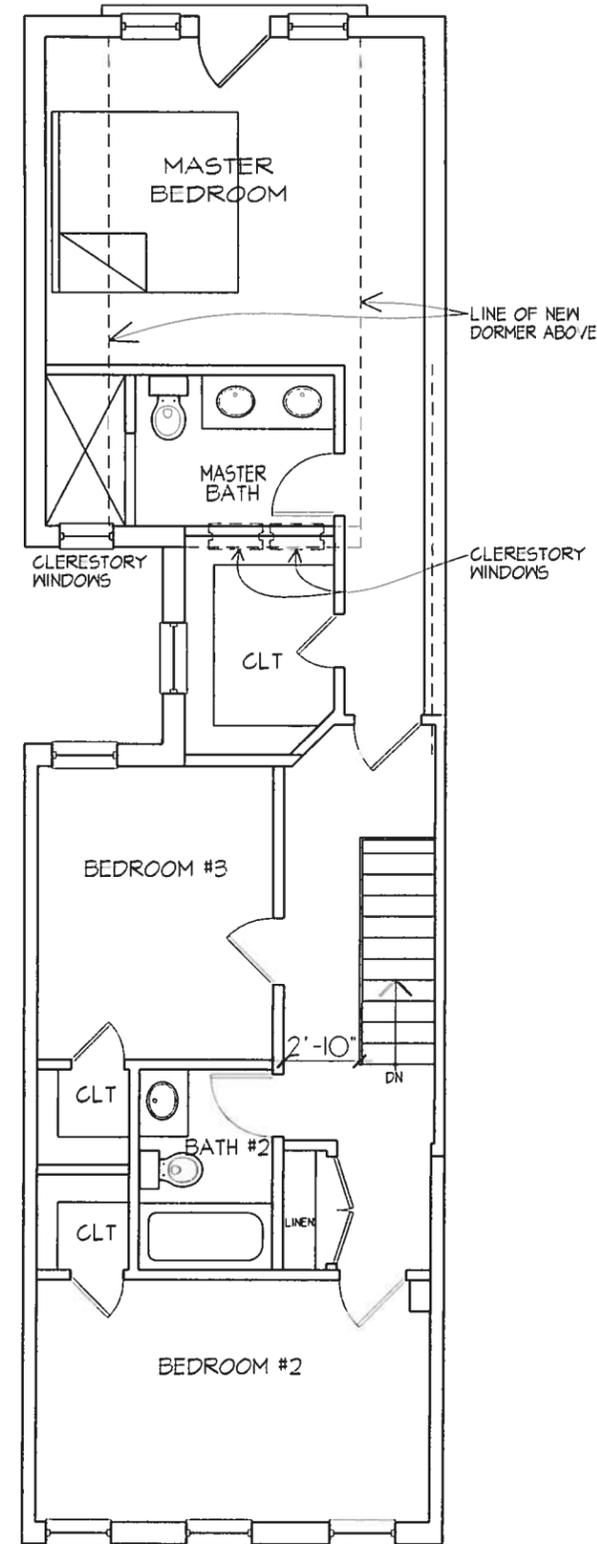
**SHEET NUMBER**  
A-3



NEW BASEMENT  
FLOOR PLAN  
1/4"=1'-0"



NEW FIRST  
FLOOR PLAN  
1/4"=1'-0"



NEW SECOND  
FLOOR PLAN  
1/4"=1'-0"

**DIMOND ADAMS**  
DESIGN ARCHITECTURE

6 WEST MAPLE STREET • ALEXANDRIA, VIRGINIA 22301  
TELEPHONE: 703 635 4677 FAX: 703 635 4677

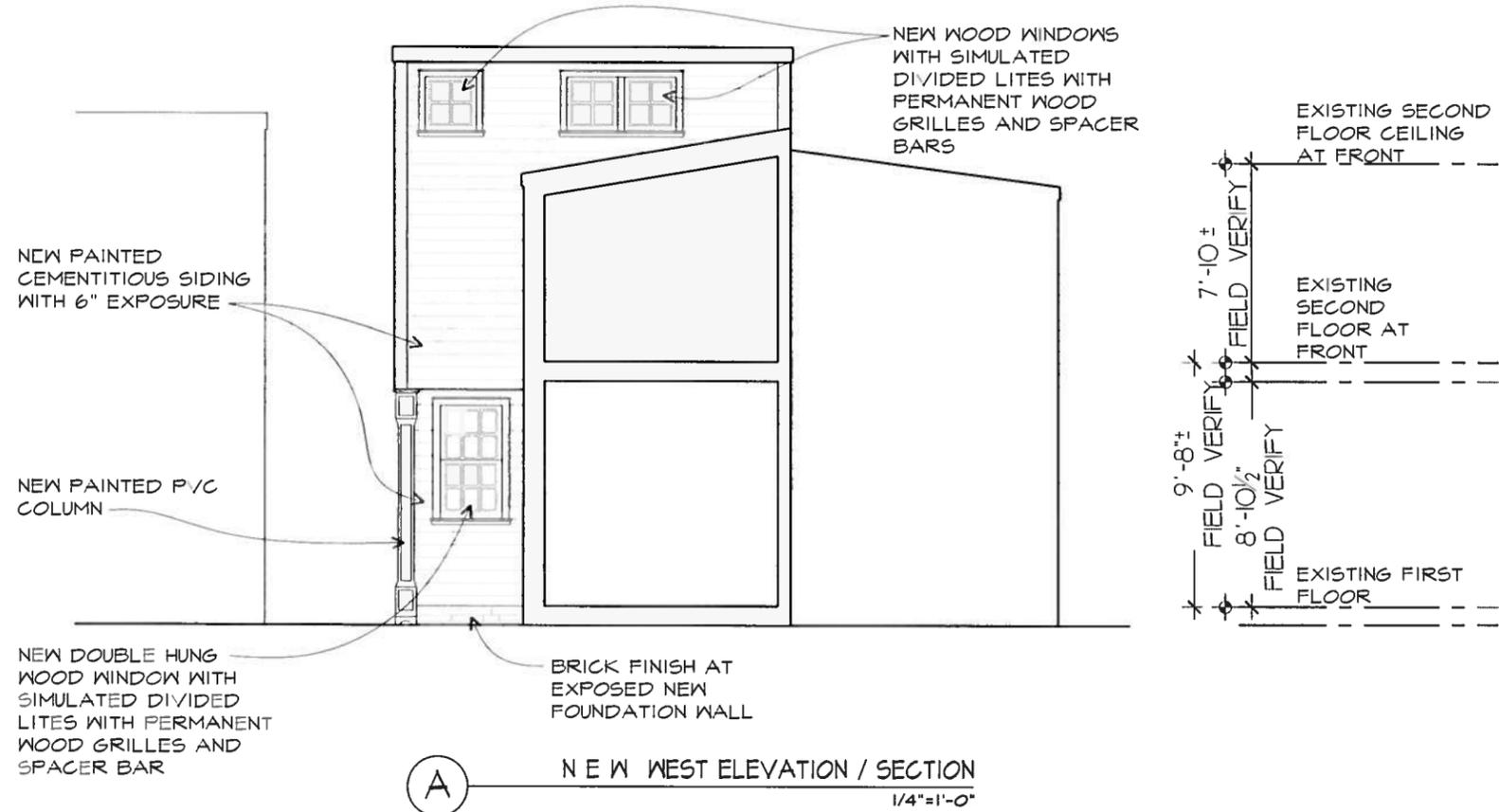
**OZSANKAK RESIDENCE**  
212 SOUTH ALFRED STREET  
ALEXANDRIA,

ISSUE DATE  
DESIGN  
04/09/12  
B A R  
04/16/12

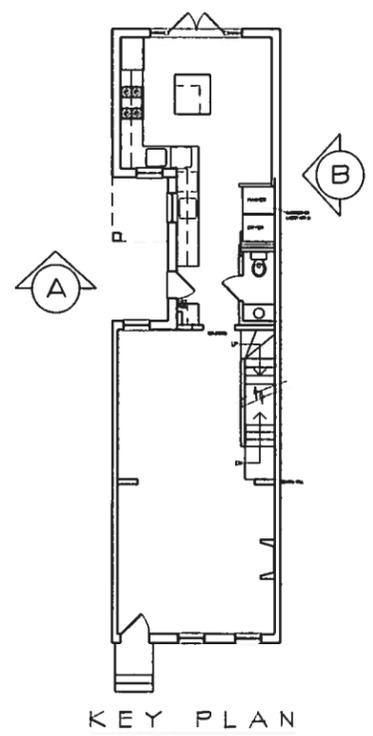
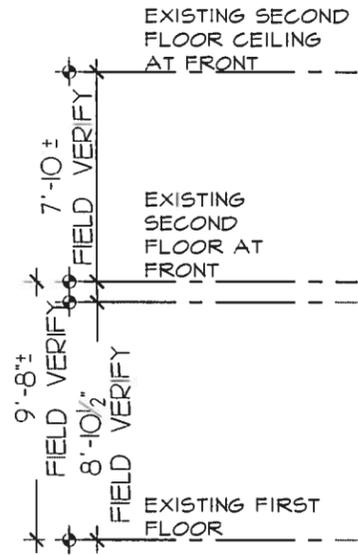
SHEET TITLE  
NEW  
PLANS

SHEET NUMBER

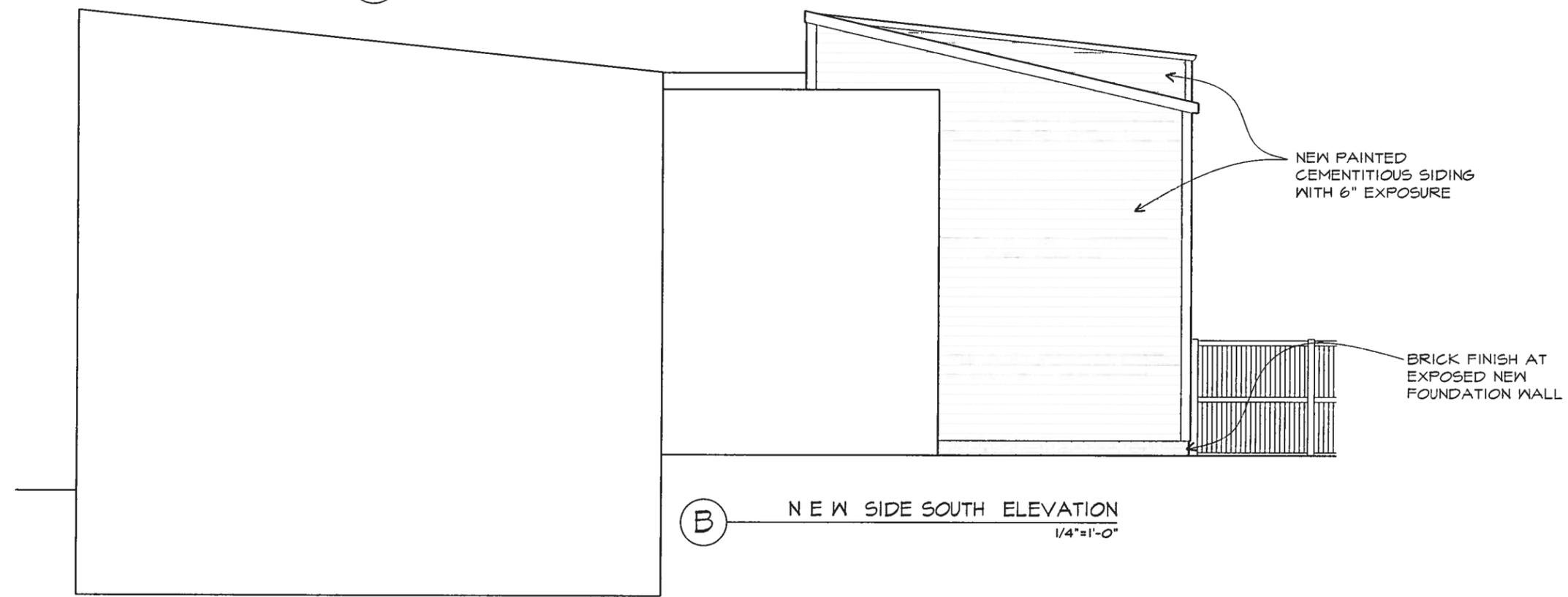
A-4



**A** NEW WEST ELEVATION / SECTION  
1/4"=1'-0"



KEY PLAN



**B** NEW SIDE SOUTH ELEVATION  
1/4"=1'-0"

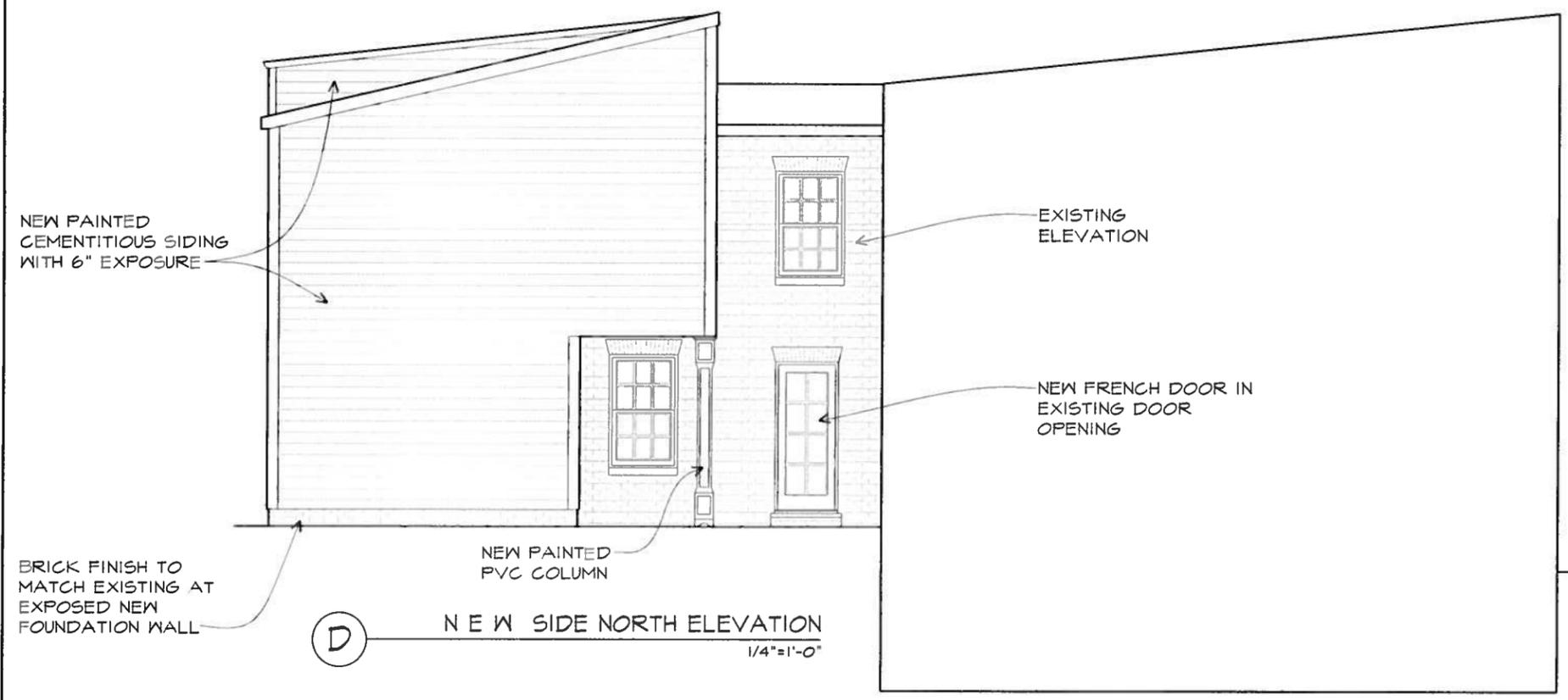
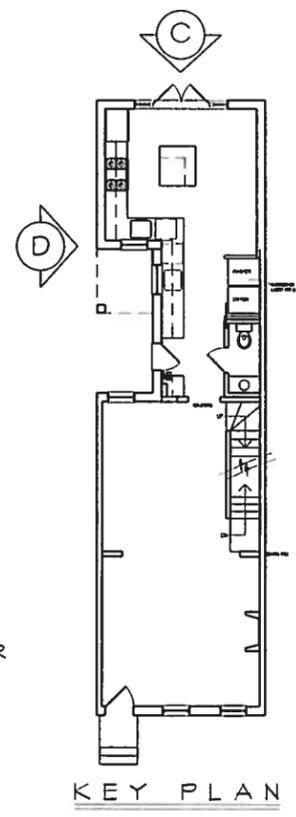
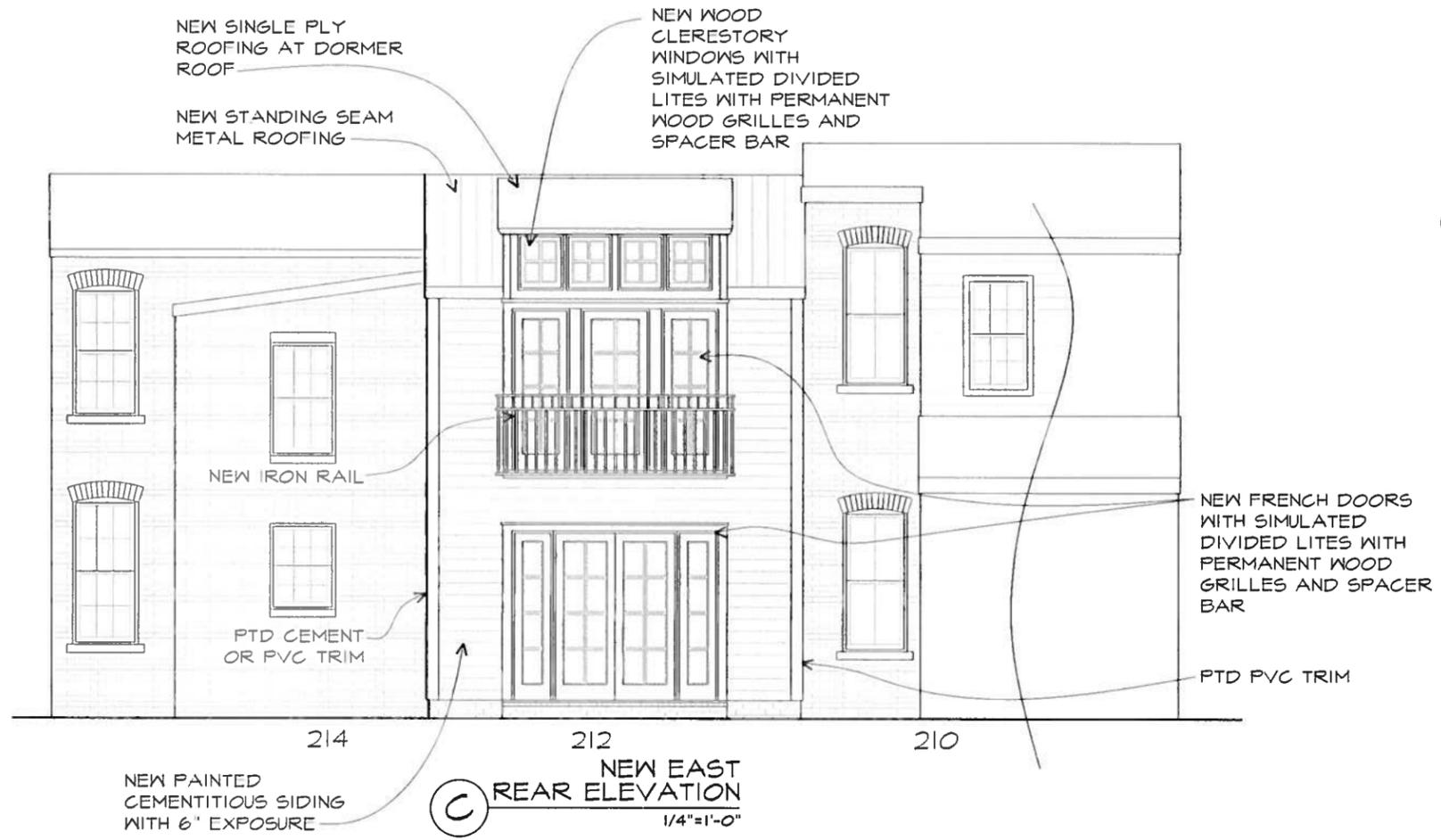
**DIMOND ADAMS**  
**DESIGN ARCHITECTURE**  
6 WEST MAPLE STREET • ALEXANDRIA, VIRGINIA 22301  
TELEPHONE: 703.836.9677 FAX: 703.836.9677

**OZSANCAR RESIDENCE**  
212 SOUTH ALFRED STREET  
ALEXANDRIA, VIRGINIA

**ISSUE DATE**  
DESIGN 04/09/12  
B A R 04/16/12

**SHEET TITLE**  
NEW ELEVATIONS

**SHEET NUMBER**  
A-5



**DIMOND ADAMS**  
**DESIGN ARCHITECTURE**  
 6 WEST MAPLE STREET • ALEXANDRIA, VIRGINIA 22301  
 TELEPHONE 703 684 9477 FAXED 703 684 9477

**OZSANCAR RESIDENCE**  
 212 SOUTH ALFRED STREET  
 ALEXANDRIA, VIRGINIA

**ISSUE DATE**  
 DESIGN 04/09/12  
 B A R 04/16/12

**SHEET TITLE**  
 NEW ELEVATIONS

**SHEET NUMBER**  
 A-6

# PINNACLE DOUBLE HUNG

## FEATURES/BENEFITS

- 1 The warmth and beauty of Clear Select Pine, Natural Alder or Vertical Grain Fir; can be painted or stained.
- 2 Clad units offer a strong, durable extruded aluminum sash and frame for low maintenance. Prime units offer the traditional appearance of a beaded exterior stop.
- 3 Glass is replaceable in case of damage.
- 4 Glass taped and silicone glazed with interior wood stops for superior strength and seal.
- 5 Easy-Tilt sash with exclusive compression jambliner for easy cleaning and sash removal.
- 6 Recessed lock and keeper for a sleek appearance.
- 7 Block and tackle balance system with locking shoe for easy removal and sash operation.

## SIZES

Available in hundreds of standard and custom sizes.

## GLAZING

- Glazed with tape and silicone sealant.
- LoE<sup>2</sup> standard. Clear, tinted, laminated and tempered options available.
- Cardinal insulated glass featuring stainless steel spacers.
- Additional custom and special glass types available.
- Preserve protective film optional.

## GRILLE OPTIONS

- Wood perimeter in 7/8" and 1-1/4" with concealed grill fasteners.
- Aluminum inner grille 13/16" flat, 3/4" profile or 1" profile.
- Windsorlite (WDL) – Simulated divided lite in 7/8" or 1-1/4".
- Standard and custom grille patterns available.

## FINISHES

Interior – Clear Pine, Natural Alder, Vertical Grain Fir or primed.

Exterior – Clad units feature heavy duty extruded aluminum cladding on sash and frame.

## CLAD COLORS

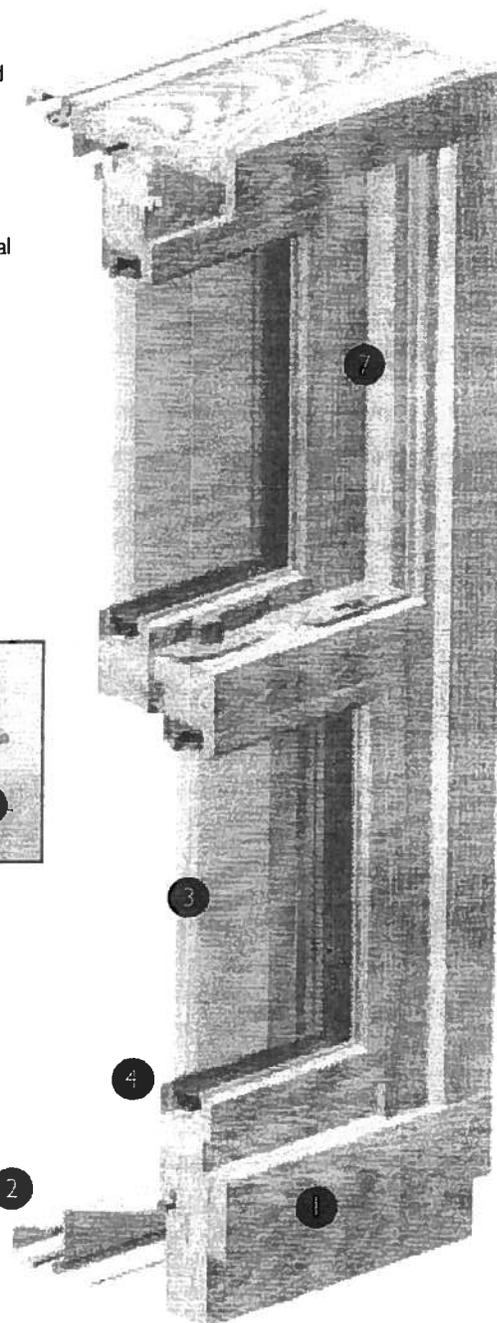
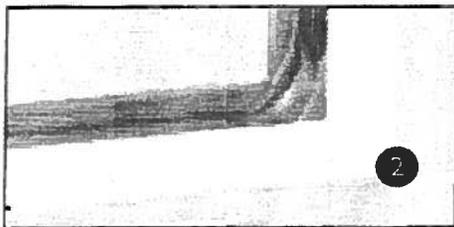
- Standard colors: white, tan, bronze, hunter green, ivory, black and cinnamon.
- 30 feature colors and custom colors available.
- 7 Anodize finishes available.

## HARDWARE FINISHES

Standard finishes are champagne, white, brass, satin nickel, bronze, oil rubbed bronze, matte black.

## PERFORMANCE RATINGS

For current performance ratings, see our website at [www.windsorwindows.com](http://www.windsorwindows.com).



# Pinnacle Series

## PRIMED DOUBLE HUNG

## SPECIFICATIONS

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

- A. Factory assembled primed wood double hung windows [including fixed units], glass and glazing, operable hardware, weatherstripping, insect screen, and [grilles].
- B. Anchorages, attachments, and accessories.

#### 1.02 RELATED SECTIONS

- A. Section 01340 - Shop Drawings, Product Data, and Samples.
- B. Section 01610 - Delivery, Storage, and Handling.
- C. Section 01710 - Final Cleaning.
- D. Section 07200 - Batt and Blanket Insulation.
- E. Section 07920 - Sealants and Caulking.
- F. Section 08800 - Glass and Glazing.

#### 1.03 REFERENCES

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
  - 1. ASTM E-283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
  - 2. ASTM E-547 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Difference.
  - 3. ASTM E-330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors under Uniform Static Air Pressure Difference.
- B. NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA):
  - 1. AAMA / NWWDA 101-I.S.2 - 97 Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.
  - 2. NWWDA I.S-4-81 - Industry Standard for Water-Repellent Preservative Treatment for Millwork
- C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

#### 1.04 PERFORMANCE CRITERIA

- A. Double Hung units shall meet requirements in accordance with AAMA / NWWDA 101-I.S.2-97.
- B. Air leakage shall not exceed 0.30 cfm per sq.ft. of sash when tested in accordance with ASTM E-283 at 1.57 psf.
- C. No water penetration shall be allowed when tested in accordance with ASTM E-547.
- D. Window units shall withstand positive and negative wind loads without damage. The units shall be tested in accordance with ASTM E-330.

#### 1.05 SUBMITTALS

- A. Shop drawings shall be submitted in accordance with Section 01340.
- B. Product data in the form of general catalogs, test lab reports, product performance, and warranty information shall be submitted in accordance with Section 01340.
- C. Samples showing glazing, quality of construction, and finish shall be submitted in accordance with Section 01340.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. In compliance with Section 01610, window units shall be delivered undamaged and with protective packaging. Complete installation and finishing instructions shall be included.
- B. Store units in a clean, dry place off the ground in an upright position.

# Pinnacle Series

## PRIMED DOUBLE HUNG

## SPECIFICATIONS

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

- A. Pinnacle Series Double Hung window units [including fixed units] as manufactured by Windsor Windows & Doors.

#### 2.02 MATERIALS

- A. Frame: Sill and outside stops shall be low-maintenance cellular PVC material. Head and side jambs shall be select softwoods treated with water repellent preservative in accordance with NWWDA I.S.-4. Frames are assembled with hardware installed. Inside stops and sill stop are face nailed and glued. Jamb thickness shall be 1 1/16". Standard jamb width shall 4 9/16". Pine jamb extensions are available to match other finished wall thicknesses. Factory set up units will include low-maintenance cellular PVC sill nosing, brickmould, and outside mull covers for a complete no rot exterior. Inside mull included on all mulled units regardless of jamb width. All 4 9/16" units will have a full length inside mull tacked in place and will have to be trimmed and re-applied in the field. DP Upgrade units receive a 1/2" taller inside sill stop.
- B. Sash: Shall be select pine treated with water repellent preservative in accordance with NWWDA I.S.-4 with a thickness of 1-1/2". Sash corners shall be mortised and tenoned. Both sash shall be tilt-removable from the inside. Top and bottom rails utilize a full width finger pull. DP upgrade units shall have no finger pulls. No finger pull option is available for standard units.
- C. Finish: Shall be one coat Latex primer applied to exterior surfaces only of sash and frame.
- D. Glazing: Shall be 3/4" double pane LoE 366 insulating glass as standard, glazed with double-faced tape, a full perimeter bead of silicone, and interior wood stops. A wide array of other glass options is offered including clear, tinted, tempered, and obscure. Cardinal's Preserve™ option is available on all LoE 366 glass. It is a removable, factory-applied protective film adhered to both interior and exterior surfaces of the glass.
- E. Weatherstripping: Shall be closed-cell foam encased in TPE skin installed at the head, checkrail, and sill. Flex-hinge jambliner provides a tight seal at the stiles.
- F. Hardware: Extruded vinyl jambliners shall have dual hinged leaf compression legs: beige color standard. White jambliner option available. Spring-loaded die-cast tilt latches allow both sash to be tilted in with ease. Balance system consists of a block and tackle with a locking shoe that allows for easy cleaning or removal; where required by sash weight, a double spring balance will be substituted. Flange mounted cam action locks have contemporary curved handle and concealed fasteners. One lock is used on unit widths 24" and below. Two locks are used on unit widths of 28" and up. Locks, keepers, and tilt latches all have a baked on champagne enamel finish. White, black, bronze, brass, oil-rubbed bronze, and satin nickel hardware options available.
- G. Screens: Shall be a fiberglass BetterVue™ screen set in painted aluminum frame. UltraVue™ Screen option is available. Screens are full height of opening. Screens available in white, bronze, tan, ivory, hunter green, cinnamon, or black. The screen is intended to allow air and light in and keep insects out. The screen is not intended to stop children, adults or animals from falling out an open window.

# Pinnacle Series

## PRIMED DOUBLE HUNG

## SPECIFICATIONS

### (Materials continued)

- H. Grilles: (Extra when specified) Colonial grilles shall be select pine with moulded edges. Stick grilles are fastened to sash with press pins, while perimeter grilles use a hidden clip system. Stick grilles and perimeter grilles are available in 7/8" or 1-1/4" widths. White, cinnamon, bronze, tan, ivory, hunter green, or black aluminum inner grilles (in air space) are also available in 13/16" flat, 3/4" profiled, or 1" profiled. Two-toned inner grilles (3/4" profiled only) are available with a white interior, and a bronze, green, tan, ivory, or black exterior. Windsorlite (WDL) simulates true divided lite, but is created by adhesively fixing the wood interior and cellular PVC exterior bars to the surfaces of the insulated glass; when ordered interior primed, the interior WDL bars will be cellular PVC. WDL is available in 7/8" and 1-1/4" standard, 5/8" putty, and 7/8" putty exterior with standard interior. All are available with or without inner bar between the glass. Exterior bars are cellular PVC.

## PART 3 – EXECUTION

### 3.01 EXAMINATION

- A. Verify that there is no visible damage to the unit before installation.

### 3.02 INSTALLATION

- A. Verify the rough opening is of the recommended size and that it is plumb, level, and square.  
B. Install the window unit in accordance with the manufacturer's recommendations.  
C. Install sealant, backing material, and insulation around opening perimeter in accordance with Section 07900 and Section 07920.

### 3.03 ADJUSTMENT AND CLEANING

- A. Operate unit and verify that all hardware operates freely. Make any adjustments necessary.  
B. Cover the window unit to avoid damage due to spray paint, plaster, and other construction operations.  
C. Remove all visible labels and instructions.  
D. Final cleaning of glass in accordance of Section 01.

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» Windsor Home » Products » Pinnacle Wood » Primed » Double Hung/Glide-By



## Pinnacle Primed – Double Hung & Glide-By

- Primed units can be painted to the color of your choice
- EZ Tilt sash with compression jambliner for easy cleaning and sash removal
- Recessed lock and keeper for a sleek appearance
- Block and tackle balance system for easy removal and sash operation

Interior Finish					
Double Hung / Single Hung / Slider Hardware					
Glass Options					
Grille Options	Perimeter Grille	Stick Grille	1" Profiled Inner Grille	13/16" Flat Inner Grille	7/8" Interior Wood Standard WDL
Screens					
					
	7/8" Exterior Clad Standard WDL	1 1/4" Interior Wood Standard WDL	1 1/4" Exterior Clad Standard WDL	3/4" Profiled Inner Grille	5/8" Short Putty WDL
					
	7/8" Short Putty WDL				
The on-screen colors provided are to help you determine what is available - unfortunately, due to variations between monitors, they are not true to color. For exact matches, please visit a dealer near you for true-to-color samples.					

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# Pinnacle Series

## CLAD CASEMENT & AWNING

## SPECIFICATIONS

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

- A. Factory assembled aluminum clad wood casement and awning windows [including fixed units], glass and glazing, operable hardware, weatherstripping, insect screen, and [grilles].
- B. Anchorages, attachments, and accessories.

#### 1.02 RELATED SECTIONS

- A. Section 01340 - Shop Drawings, Product Data, and Samples.
- B. Section 01610 - Delivery, Storage, and Handling.
- C. Section 01710 - Final Cleaning.
- D. Section 07200 - Batt and Blanket Insulation.
- E. Section 07920 - Sealants and Caulking.
- F. Section 08800 - Glass and Glazing.

#### 1.03 REFERENCES

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
  - 1. ASTM E-283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
  - 2. ASTM E-547 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Difference.
  - 3. ASTM E-330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors under Uniform Static Air Pressure Difference.
- B. NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA):
  - 1. AAMA / NWWDA 101-I.S.2 - 97 Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.
  - 2. NWWDA I.S-4-81 - Industry Standard for Water-Repellent Preservative Treatment for Millwork
- C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

#### 1.04 PERFORMANCE CRITERIA

- A. Casement units shall meet requirements in accordance with AAMA / NWWDA 101-I.S.2-97
- B. Air leakage shall not exceed 0.30 cfm per sq.ft. of sash when tested in accordance with ASTM E-283 at 1.57 psf.
- C. No water penetration shall be allowed when tested in accordance with ASTM E-547.
- D. Window units shall withstand positive and negative wind loads without damage. The units shall be tested in accordance with ASTM E-330.

#### 1.05 SUBMITTALS

- A. Shop drawings shall be submitted in accordance with Section 01340.
- B. Product data in the form of general catalogs, test lab reports, product performance, and warranty information shall be submitted in accordance with Section 01340.
- C. Samples showing glazing, quality of construction, and finish shall be submitted in accordance with Section 01340.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. In compliance with Section 01610, window units shall be delivered undamaged, with protective packaging and fitted with sash shipping blocks. Complete installation and finishing instructions shall be included.
- B. Store units in a clean, dry place off the ground in an upright position.

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

- A. Pinnacle Series Aluminum Clad Wood Casement and Awning window units [including fixed units] as manufactured by Windsor Windows & Doors.

#### 2.02 MATERIALS

- A. Frame: Shall be select pine treated with water repellent preservative in accordance with NWWDA I.S.-4-81, assembled with hardware installed. Exposed exterior portion shall be extruded aluminum sealed at corners with injected silicone and nylon corner keys. Lock side stops are face nailed. Hinge side stops are glued and blind nailed. Jamb thickness shall be 1 1/4". Standard set up jamb width shall be 4 9/16"

# Pinnacle Series

## CLAD CASEMENT & AWNING

## SPECIFICATIONS

### (Materials cont.)

- (4 1/8" basic jamb with 7/16" extender). Other extenders available to match finished wall thickness. Vinyl hinged nailing fin and drip cap is utilized for frame installation. Alder interior option is available.
- B. Sash: Wood interior shall be select pine treated with water repellent preservative in accordance with NWWDA I.S.-4-81. Corners shall be coped and stapled. Exterior surfaces shall consist of aluminum extrusion with lapped corners held together by color-matched injected-molded corner keys. Alder interior option is available.
  - C. Finish: All aluminum exterior surfaces shall be covered with factory applied, baked on acrylic finish in bronze, white, tan, ivory, hunter green, cinnamon, and black. Custom colors are also available.
  - D. Glazing: Shall be 3/4" double pane clear insulating glass as standard, glazed with double-faced tape plus a full perimeter bead of silicone, and interior wood stops with foam tape applied to the back side. A wide array of other glass options is offered including LoE<sup>2</sup>, tinted, tempered, and obscure. Cardinal's Preserve™ option is available on all LoE<sup>2</sup> glass. It is a removable, factory-applied protective film adhered to both interior and exterior surfaces of the glass.
  - E. Weatherstripping: Shall be closed-cell foam encased in TPE skin. It shall be installed as a full perimeter seal for positive protection against air and water infiltration. An additional weatherstrip is applied to top rail (rails & stiles on stat./picture units) for added protection against water penetration.
  - F. Hardware: Casement shall include hardened steel worm gear dual arm sash operator. Heavy duty concealed adjustable hinges open to 90 degrees, and have an easy detach arm. Awnings include hardened steel worm-gear, dual-scissors-arm operator with easy detach arm and heavy duty concealed adjustable hinges. Operator and hinge components have an electrocoated polymer corrosion resistant coating. Interior hardware finish options include champagne, bronze, white, brass, oil-rubbed bronze, and satin nickel. The concealed, sequential locking system utilizes 1 locking point through 26" sizes, 2 locking points on 32" through 44" sizes, 3 locking points on 50" through 68", and 4 locks on 74" size. Special egress hardware optional.
  - G. Screens: Shall be fiberglass screen set in painted .020 aluminum frame. All 62", 68", and 74" high screens utilize a .024 aluminum frame. Champagne screen is standard. White is also available. Our insect screens are intended to allow air and light in and keep insects out. The screen is not intended to stop children, adults or animals from falling out an open window.
  - H. Grilles: (Extra when specified) Colonial grilles shall be select pine with moulded edges. Stick grilles are fastened to sash with press pins, while perimeter grilles use a hidden clip system. Stick grilles and perimeter grilles are available in 7/8" or 1 1/4" widths. White, bronze, tan, ivory, hunter green, or black aluminum inner grilles (in air space) are also available in either 13/16" flat or 3/4" profiled. Two-toned inner grilles (13/16" flat only) are available with a white interior, and a bronze, green, tan, ivory, or black exterior. Windsorlite (WDL) simulates true divided lite, but is created by adhesively fixing the wood interior and extruded aluminum exterior bars to the surfaces of the insulated glass. They are available in 7/8" and 1 1/4" widths. Both are available with or without inner bar between the glass. Exterior bars are available in bronze, white, tan, ivory, hunter green, cinnamon, or black.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Verify that there is no visible damage to the unit before installation.

### 3.02 INSTALLATION

- A. Verify the rough opening is of the recommended size and that it is plumb, level, and square.
- B. Install the window unit in accordance with the manufacturer's recommendations. On operating units, remove shipping blocks after unit is fully installed.
- C. Install sealant, backing material, and insulation around opening perimeter in accordance with Section 07900 and Section 07920.

### 3.03 ADJUSTMENT AND CLEANING

- A. Operate unit and verify that all hardware operates freely. Make any adjustments necessary.
- B. Cover the window unit to avoid damage due to spray paint, plaster, and other construction operations.
- C. Remove all visible labels and instructions.
- D. Final cleaning of glass in accordance of Section 01710

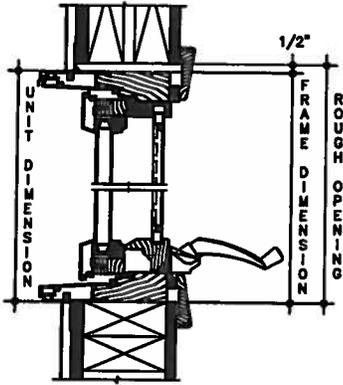
# Pinnacle Series

## CLAD CASEMENT & AWNING

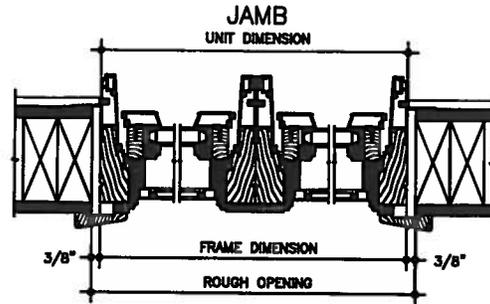
SECTION DETAILS

SCALE: 1 1/2" = 1'-0"

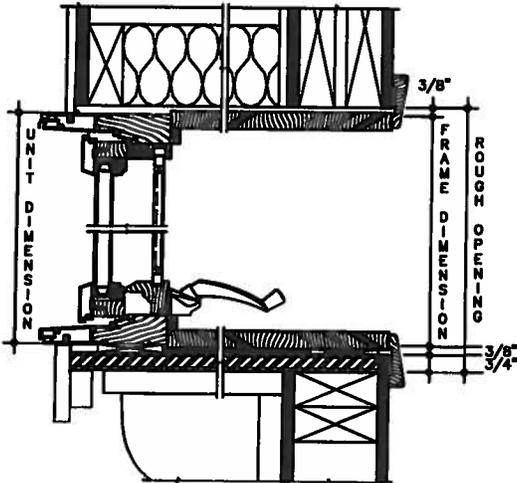
HEAD & SILL



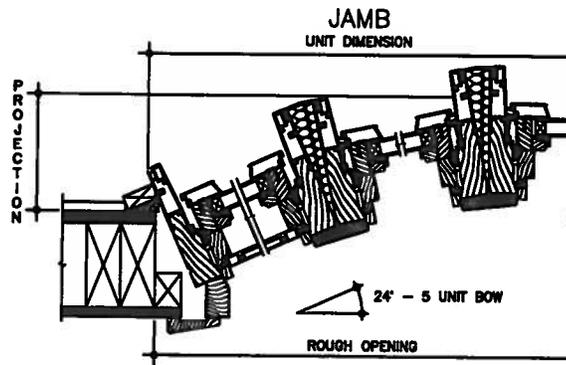
3/4" INSULATING GLASS  
2 x 4 FRAME CONSTRUCTION  
1/2" SHEATHING, 1/2" DRY WALL  
4 9/16" JAMB



HEAD & SILL

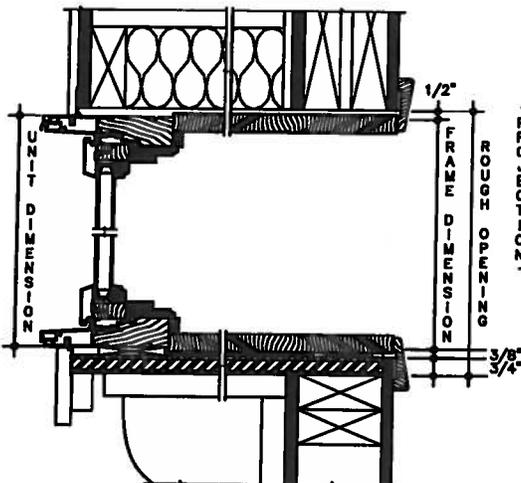


12° BOW

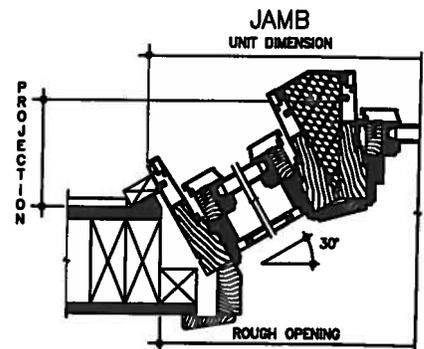
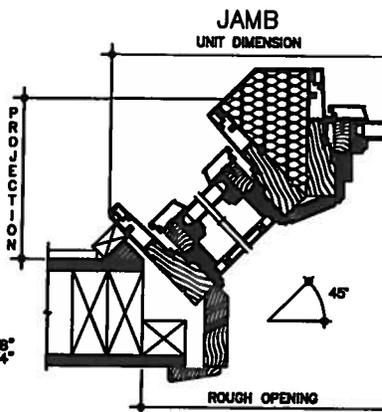


NOTE: 3/4" PLYWOOD PLATFORM AND TRIM BY OTHERS. ROUGH OPENING ALLOWS FOR 3/4" THICK PLATFORM. SUPPORT BRACKETS SHOULD BE USED.

HEAD & SILL



ANGLE BAY



# Pinnacle Series

## CLAD DOUBLE HUNG

## SPECIFICATIONS

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

- A. Factory assembled aluminum clad wood double hung windows [including fixed units], glass and glazing, operable hardware, weatherstripping, insect screen, and [grilles].
- B. Anchorages, attachments, and accessories.

#### 1.02 RELATED SECTIONS

- A. Section 01340 - Shop Drawings, Product Data, and Samples.
- B. Section 01610 - Delivery, Storage, and Handling.
- C. Section 01710 - Final Cleaning.
- D. Section 07200 - Batt and Blanket Insulation.
- E. Section 07920 - Sealants and Caulking.
- F. Section 08800 - Glass and Glazing.

#### 1.03 REFERENCES

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
  - 1. ASTM E-283 - Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors.
  - 2. ASTM E-547 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Difference.
  - 3. ASTM E-330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors under Uniform Static Air Pressure Difference.
- B. NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA):
  - 1. AAMA /NWWDA 101-I.S.2 - 97 Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.
  - 2. NWWDA I.S-4-81 - Industry Standard for Water-Repellent Preservative Treatment for Millwork
- C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

#### 1.04 PERFORMANCE CRITERIA

- A. Window units shall meet requirements in accordance with AAMA/NWWDA I.S.2-97.
- B. Air leakage shall not exceed 0.30 cfm per square ft. of overall frame area when tested in accordance with ASTM E-283 at 1.57 psf.
- C. No water penetration shall be allowed when tested in accordance with ASTM E-547.
- D. Window units shall withstand positive and negative windloads without damage. The units shall be tested in accordance with ASTM E-330.

#### 1.05 SUBMITTALS

- A. Shop drawings shall be submitted in accordance with Section 01340.
- B. Product data in the form of general catalogs, test lab reports, product performance, and warranty information shall be submitted in accordance with Section 01340.
- C. Samples showing glazing, quality of construction and finish shall be submitted in accordance with Section 01340.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. In compliance with Section 01610, window units shall be delivered undamaged, with protective packaging. Complete installation and finishing instructions shall be included.
- B. Store units in a clean, dry place off the ground in an upright position.

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

- A. Pinnacle Series Aluminum Clad Wood Double Hung window units [including fixed units] as manufactured by Windsor Windows & Doors.

#### 2.02 MATERIALS

- A. Frame: Shall be select softwoods treated with water repellent preservative in accordance with NWWDA I.S.-4-81, assembled with hardware installed. Exposed exterior portion shall be extruded aluminum cladding sealed at corners with closed cell foam gaskets. Jamb thickness shall be 1 1/16". Jamb width shall be 4 9/16". Jamb extenders are available to match other finished wall thicknesses. Aluminum sill is

# Pinnacle Series

## CLAD DOUBLE HUNG

## SPECIFICATIONS

### (Materials cont.)

- thermally broken and end sealed. Vinyl hinged nailing fin and drip cap is utilized for installation. Inside mull included on all mulled units regardless of jamb width. All 4 9/16" units will have a full length inside mull tacked in place and will have to be trimmed and re-applied in the field. Natural Alder interior option is available.
- B. Sash: Shall be select pine treated with water repellent preservative in accordance with NWWDA I.S.-4-81 with a thickness of 1 1/2". Sash corners shall be mortised and tenoned. Both sashes shall be tilt-removable from the inside. Top and bottom rails utilize a full width finger pull. Exterior surfaces shall consist of extruded aluminum with lapped corners. Alder interior option is available.
- C. Finish: Exterior aluminum surfaces shall be covered with factory applied, baked on acrylic finish in bronze, white, tan, ivory, hunter green, cinnamon, and black. Custom colors are available.
- D. Glazing: Shall be 3/4" double pane clear insulating glass as standard, glazed with double-faced tape, a full perimeter bead of silicone, and interior wood stops. A wide array of other glass options is offered including Low E<sup>2</sup>, tinted, tempered, and obscure. Cardinal's Preserve™ option is available on all LoE<sup>2</sup> glass. It is a removable, factory-applied protective film adhered to both interior and exterior surfaces of the glass.
- E. Weatherstripping: Shall be closed-cell foam encased in TPE skin installed at the head, check rail, and sill. Flex-hinge jambliner provides a tight seal at the stiles.
- F. Hardware: Extruded vinyl jambliners shall have dual hinged leaf compression legs: beige color standard. White jambliner option available. Spring-loaded die-cast tilt latches allow both sashes to be tilted in with ease. Balance system consists of a block and tackle with a locking shoe that allows for easy cleaning or removal. Flange mounted cam action locks have contemporary curved handle and concealed fasteners. One lock is used on unit width 24" and below. Two locks are used on unit widths of 28" on up. Locks, keepers, and tilt latches all have a baked on champagne enamel finish. White, bronze, brass, oil-rubbed bronze, and satin nickel hardware option available.
- G. Screens: Shall be fiberglass screen set in painted aluminum frame. Screens are full height of opening. Screens available in white, bronze, tan, ivory, hunter green, cinnamon, and black. Our insect screens are intended to allow air and light in and keep insects out. The screen is not intended to stop children, adults or animals from falling out an open window.
- H. Grilles: (Extra when specified) Colonial grilles shall be select pine with moulded edges. Stick grilles are fastened to sash with press pins, while perimeter grilles use a hidden clip system. Stick grilles and perimeter grilles are available in 7/8" or 1 1/4" widths. White, bronze, tan, ivory, hunter green, or black aluminum inner grilles (in air space) are also available in either 13/16" flat or 3/4" profiled. Two-toned inner grilles (**13/16" flat only**) are available with a white interior, and a bronze, green, tan, ivory, or black exterior. Windsorlite (WDL) simulates true divided lite, but is created by adhesively fixing the wood interior and extruded aluminum exterior bars to the surfaces of the insulated glass. They are available in 7/8" and 1 1/4" widths. Both are available with or without inner bar between the glass. Exterior bars are available in bronze, white, tan, ivory, hunter green, cinnamon, and black.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Verify that there is no visible damage to the unit before installation.

### 3.02 INSTALLATION

- A. Verify the rough opening is of the recommended size and that it is plumb, level, and square.
- B. Install the window unit in accordance with the manufacturer's recommendations.
- C. Install sealants, backing material, and insulation around opening perimeter in accordance with Section 07900 and Section 07920.

### 3.03 ADJUSTMENT AND CLEANING

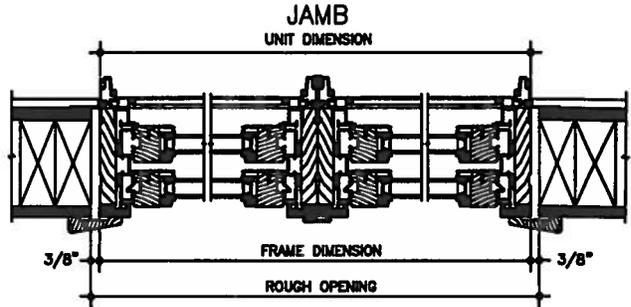
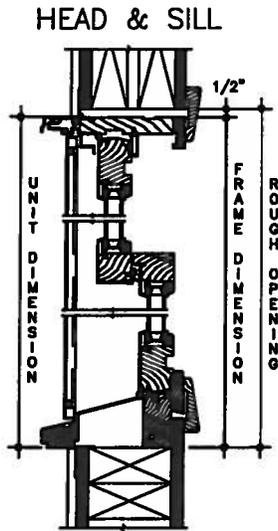
- A. Operate unit and verify that all hardware operates freely. Make any adjustments necessary.
- B. Cover the window unit to avoid damage due to spray paint, plaster, and other construction operations.
- C. Remove all visible labels and instructions.
- D. Final cleaning of glass in accordance of Section 01710.

# Pinnacle Series

## CLAD DOUBLE HUNG

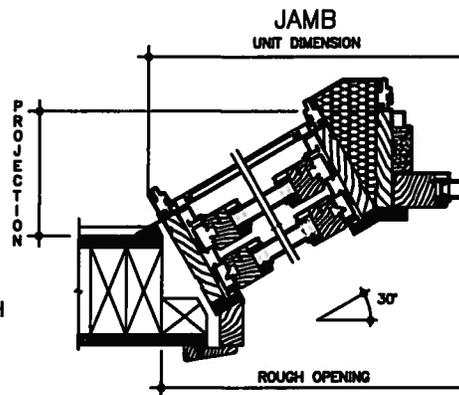
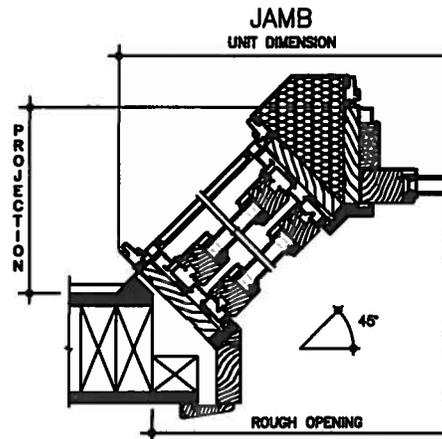
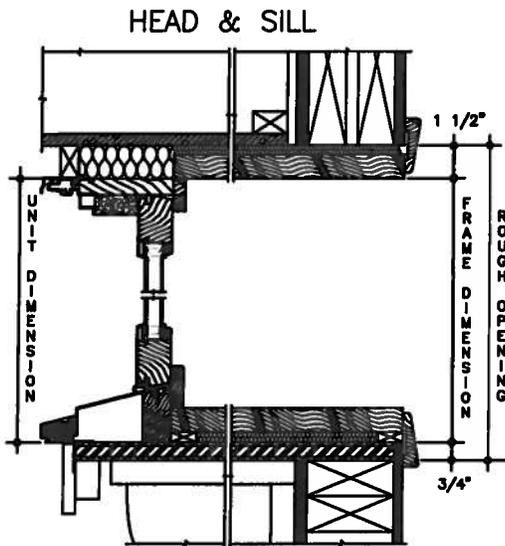
SECTION DETAILS

SCALE: 1 1/2" = 1'-0"



3/4" INSULATING GLASS  
 2 x 4 FRAME CONSTRUCTION  
 1/2" SHEATHING, 1/2" DRY WALL  
 4 9/16" JAMB

### ANGLE BAY



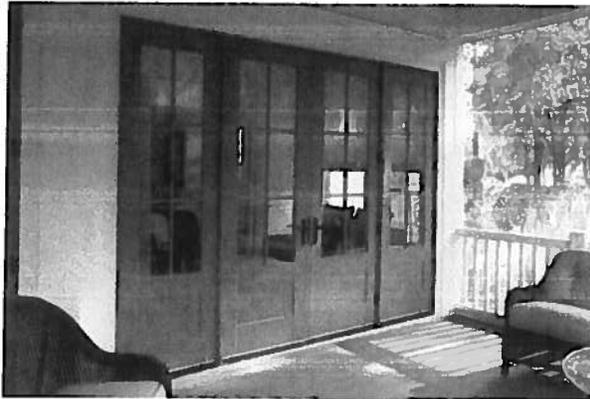
NOTE: 3/4" PLYWOOD PLATFORM AND TRIM BY OTHERS. ROUGH OPENING ALLOWS FOR 3/4" THICK PLATFORM. SUPPORT BRACKETS SHOULD BE USED.

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### Pinnacle Clad – Swinging Patio Door

- Warmth and beauty of Clear Select Pine, Natural Alder or Vertical Grain Fir Interior; can be painted or stained
- Clad units offer a strong, durable extruded aluminum exterior sash and frame for low-maintenance
- Optional multi-point locking system features three-point jamb-engaged tongue system for uncompromised security. Also available: single point, single bore, double bore, and no bore.
- Extended panel drip edge sheds water away from panel at the sill for enhanced protection from water
- Dual seal frame weather strip at panel face and edge Improves air and thermal performance
- 1/2 and 3/4 lite panel available with flat or split panel option
- Seg-top panel option available

Standard Colors

Feature Colors

Anodized Finishes

Interior Finish

Swinging Patio Door Hardware

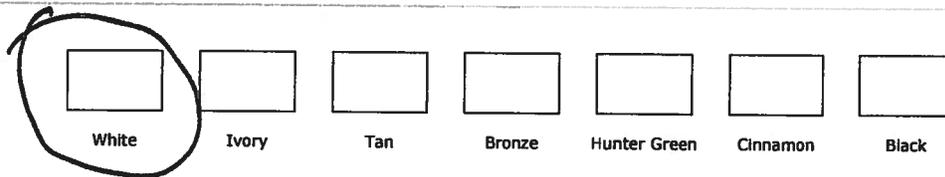
Hinges

Glass Options

Exterior Trim

Grille Options

Screens



The on-screen colors provided are to help you determine what is available - unfortunately, due to variations between monitors, they are not true to color. For exact matches, please visit a dealer near you for true-to-color samples.



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- Legend Cellular PVC
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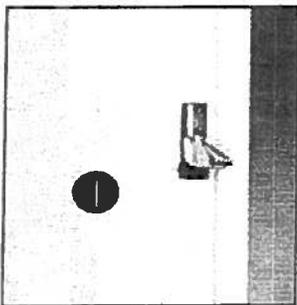
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- Remodeling & Retrofit Resource Center
- Literature PDFs
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**Dealer Locator**

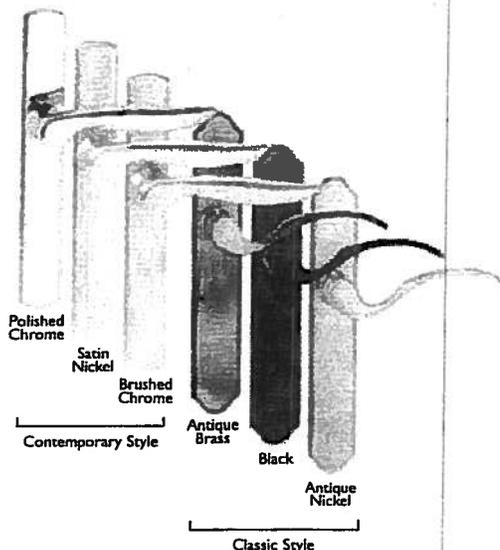
# PINNACLE SWINGING PATIO DOORS

## FEATURES/BENEFITS

- 1 Multi-point locking system features three-point jamb-engaged tongue system for uncompromised security.
- 2 Inswing door features bumper sill to keep door air- and water-tight.
- 3 Extended panel drip edge sheds water away from panel at the sill for enhanced protection from water.
- 4 Dual seal frame weather strip at panel face and edge improves air and thermal performance.
- 5 Taller sill provides excellent water performance and design pressure ratings.
- 6 Foam-backed glazing bead prevents paint and stain from bleeding.
- 7 Stiles and rails constructed of Ponderosa Pine core and skins provide a rich appearance and increase durability.
- 8 Panel exterior matches Pinnacle product line with consistent depth from glass to face of the panel for a clean, complementary appearance.
- 9 1/2 or 3/4 lite panel available with flat or split panel option



• Available in Pine, Fir and Alder



## SIZES

- Available in four standard heights: 6-8', 6-10', 8-0' and 9-0'.
- Custom sizes also available.

## GLAZING

- Interior stop glazed with beaded silicone.
- Standard 3/4" tempered double pane LoE<sup>®</sup> insulating glass.
- Clear, tinted, tempered, laminated and obscure glass types also available.
- Custom glass types available.

## GRILLE OPTIONS

- Windsor Divided Lite (WDL) – simulated divided light.
  - Standard Profile in 7/8" or 1 1/4"
  - Putty Profile in 5/8" or 7/8" (exterior only)
- 13/16" flat, 3/4" profile, and 1" profile inner grille.
- Standard and custom grille patterns available.

## WEATHERSTRIPPING

- Rigid weatherable PVC or urethane foam encased in polyethylene film.
- Inswing and outswing features bottom heavy-duty self-adjusting sweep.

## FINISHES

- Primed – Latex primed exterior and clear pine veneer interior.
- Clad – Electrostatically applied, baked-on finish to exterior in white, bronze, tan, ivory, hunter green, black or cinnamon.
- 30 feature colors, 7 anodize finishes and custom colors also available.

## HARDWARE FINISHES

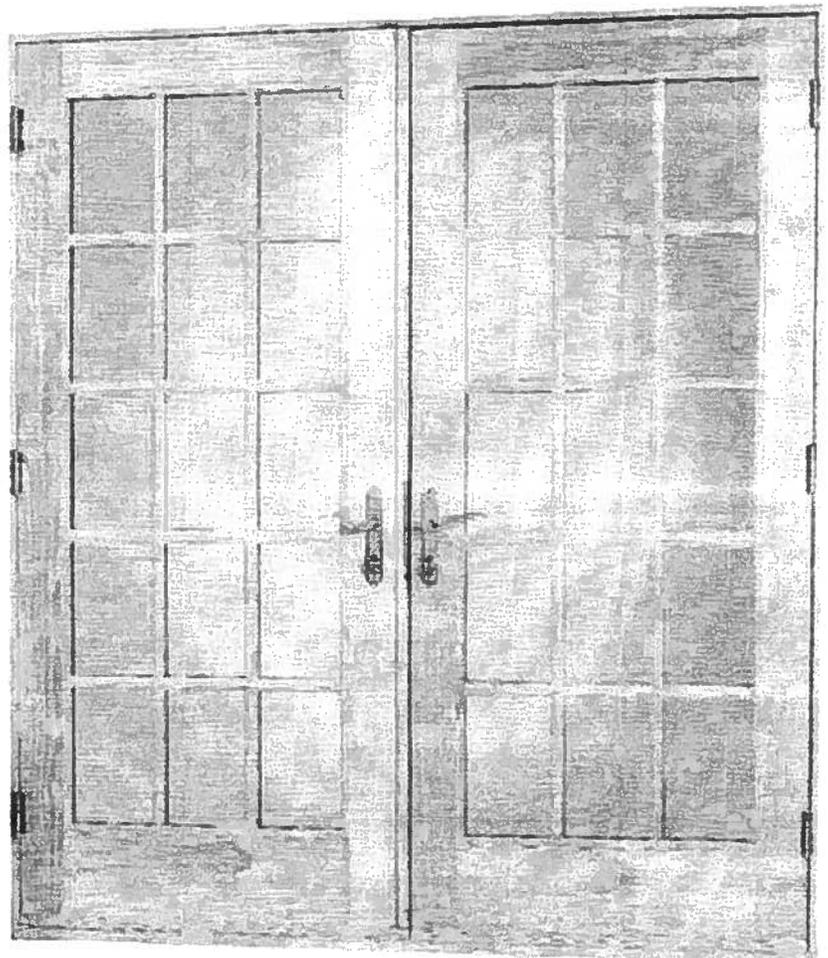
Brass, antique brass, oil rubbed bronze, antique nickel, brushed chrome, polished chrome, white, black, and satin nickel.

## HARDWARE STYLES

Classic or contemporary handle.

## PERFORMANCE RATINGS

For current performance ratings, please see our website at [www.windsorwindows.com](http://www.windsorwindows.com).



# Pinnacle Series

## PRIMED PATIO DOOR – INSWING

## SPECIFICATIONS

### **PART 1 - GENERAL**

#### **1.01 SECTION INCLUDES**

- A. Factory assembled primed wood inswing patio doors [including sidelites] glass and glazing, operable hardware, weatherstripping, insect screen, and [grilles].
- B. Anchorages, attachments, and accessories.

#### **1.02 RELATED SECTIONS**

- A. Section 01340 - Shop Drawings, Product Data, and Samples.
- B. Section 01610 - Delivery, Storage, and Handling.
- C. Section 01710 - Final Cleaning.
- D. Section 07200 - Batt and Blanket Insulation.
- E. Section 07920 - Sealants and Caulking.
- F. Section 08800 - Glass and Glazing.

#### **1.03 REFERENCES**

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
  - 1. ASTM E-283 - Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.
  - 2. ASTM E-547 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Difference.
  - 3. ASTM E-330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors under Uniform Static Air Pressure Difference.
- B. NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA):
  - 1. AAMA / NWWDA 101-I.S.2 - 97 Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.
  - 2. NWWDA I.S-4-81 - Industry Standard for Water-Repellent Preservative Treatment for Millwork
- C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

#### **1.04 PERFORMANCE CRITERIA**

- A. Patio Door units shall meet requirements in accordance with AAMA / NWWDA 101-I.S.2-97.
- B. Air leakage shall not exceed 0.30 cfm per sq.ft. of sash when tested in accordance with ASTM E-283 at 1.57 psf.
- C. No water penetration shall be allowed when tested in accordance with ASTM E-547.
- D. Window units shall withstand positive and negative wind loads without damage. The units shall be tested in accordance with ASTM E-330.

#### **1.05 SUBMITTALS**

- A. Shop drawings shall be submitted in accordance with Section 01340.
- B. Product data in the form of general catalogs, test lab reports, product performance, and warranty information shall be submitted in accordance with Section 01340.
- C. Samples showing glazing, quality of construction, and finish shall be submitted in accordance with Section 01340.

#### **1.06 DELIVERY, STORAGE, AND HANDLING**

- A. In compliance with Section 01610, window units shall be delivered undamaged and with protective packaging. Complete installation and finishing instructions shall be included.
- B. Store units in a clean, dry place off the ground in an upright position.

# Pinnacle Series

## PRIMED PATIO DOOR – INSWING

## SPECIFICATIONS

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

- A. Pinnacle Series Primed Inswing Patio Door units as manufactured by Windsor Windows & Doors.

#### 2.02 MATERIALS

- A. Frame: Shall be select softwoods treated with water repellent preservative in accordance with NWWDA I.S.-4. Exterior frame shall be finger-jointed material. Brickmould shall be cellular PVC material. Sill shall be aluminum with solid oak interior threshold with protective covering. Clear anodized finish sill standard; bronze anodized sill with protective coating optional. A low-rise handicap sill is available as an option on all inswing doors except bi-hinge. Doors up to four panels wide will have a single frame with a continuous head and sill. Standard frame width is 4 9/16". 2" jamb extension is available for 6 9/16" frame width.
- B. Door Panels: Shall be select softwoods with Ponderosa pine veneers treated with water repellent preservative. Stiles and rails shall be fastened with ribbed hardwood dowels. Stiles are 4 11/16" wide, top rail is 5" wide, and bottom rail is 8 3/8" wide. Foam tape is applied to the back side of the glass stop. (All swing panels are not reversible.) Bi-hinge option is available (both panels operate).
- C. Finish: Shall be one coat Latex primer applied to exterior surfaces only of panel and frame.
- D. Glazing: Shall be 3/4" tempered double pane LoE 366 insulating glass as standard, glazed with double-faced tape, a full perimeter bead of silicone, and interior wood stops. A wide array of other glass options is offered including clear, tinted, and obscure. Cardinal's Preserve™ option is available on most glass options. It is a removable, factory-applied protective film adhered to both interior and exterior surfaces of the glass.
- E. Weatherstripping: Frame weatherstripping shall be santoprene rubber with a rigid polypropylene base. This dual-seal weatherstrip seals against both the face and the edge of the panel. It shall be installed in the side jambs and head for positive protection against air and water infiltration. Sill weatherstrip is an ABS rigid member with a flexible urethane to protect between sill and panel.
- F. Hardware: Finished matched strike plates and adjustable hinges shall be installed with each operating panel for smooth operation. Operating panels can be shipped with lockset and deadbolt holes pre-drilled with a 2-3/8" backset. Installed single point or multi-point "euro" hardware is available on all swinging doors. The multi-point hardware has a three-point, side engage, tongue-locking system. A variety of hardware finishes are available. Handle sets are ordered and shipped separately.
- G. Screens: (Extra when specified) Shall be a fiberglass BetterVue™ screen set in painted aluminum frame. UltraVue™ Screen option is available. Screen shall mount on outside of door panels and roll on end-adjustable steel rollers. They shall operate on a track extruded in the sill. Swinging screens optional. Screens available in white, bronze, tan, ivory, hunter green, cinnamon, or black. Our insect screens are intended to allow air and light in and keep insects out. The screen is not intended to stop children, adults or animals from falling out an open door.

# Pinnacle Series

## PRIMED PATIO DOOR – INSWING

## SPECIFICATIONS

**(Materials cont.)**

H. Grilles: (Extra when specified) Colonial grilles shall be select pine with moulded edges, fastened to sash with press pins. Perimeter grilles are available in 7/8" or 1 1/4" widths. White, cinnamon, bronze, tan, ivory, hunter green, or black aluminum inner grilles (in air space) are also available in either 13/16" flat, 3/4" profiled or 1" profiled. Two-toned inner grilles (3/4" profile only) are available with a white interior, and a bronze, green, tan, ivory, or black exterior. Windsorite (WDL) simulates true divided lite, but is created by adhesively fixing the wood interior and exterior bars to the surfaces of the insulated glass; when ordered Interior Primed, the interior WDL bars will be cellular PVC. WDL is available in 7/8" and 1 1/4" Standard, 5/8" Putty, and 7/8" Putty exterior with Standard interior. All are available with or without innerbar between the glass. Exterior bars are cellular PVC.

### PART 3 – EXECUTION

#### 3.01 EXAMINATION

A. Verify that there is no visible damage to the unit before installation.

#### 3.02 INSTALLATION

- A. Verify the rough opening is of the recommended size and that it is plumb, level, and square.
- B. Install the window unit in accordance with the manufacturer's recommendations.
- C. Install sealant, backing material, and insulation around opening perimeter in accordance with Section 07900 and Section 07920.

#### 3.03 ADJUSTMENT AND CLEANING

- A. Operate unit and verify that all hardware operates freely. Make any adjustments necessary.
- B. Cover the window unit to avoid damage due to spray paint, plaster, and other construction operations.
- C. Remove all visible labels and instructions.
- D. Final cleaning of glass in accordance of Section 01.

# Pinnacle Series

## CLAD INSWING PATIO DOOR

## SPECIFICATIONS

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

- A. Factory assembled aluminum clad wood inswing patio doors [including sidelights], glass and glazing, operable hardware, weatherstripping, insect screen, and [grilles].
- B. Anchorages, attachments, and accessories.

#### 1.02 RELATED SECTIONS

- A. Section 01340 - Shop Drawings, Product Data, and Samples.
- B. Section 01610 - Delivery, Storage, and Handling.
- C. Section 01710 - Final Cleaning.
- D. Section 07200 - Batt and Blanket Insulation.
- E. Section 07920 - Sealant and Caulking.
- F. Section 08800 - Glass and Glazing.

#### 1.03 REFERENCES

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
  - 1. ASTM E-283 - Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors.
  - 2. ASTM E-547 - Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Difference.
  - 3. ASTM E-330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors under Uniform Static Air Pressure Difference.
- B. NATIONAL WOOD WINDOW AND DOOR ASSOCIATION (NWWDA):
  - 1. NWWDA I.S-8-88 - Industry Standard for Wood Swinging Patio Doors
  - 2. NWWDA I.S-4-81 - Industry Standard for Water-Repellent Preservative Treatment for Millwork
- C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

#### 1.04 PERFORMANCE CRITERIA

- A. Inswing patio door units shall meet minimum requirements in accordance with AAMA 101-I.S.2-97
- B. Air leakage shall not exceed 0.30 cfm per square ft. of overall frame area when tested in accordance with ASTM E-283 at 1.56 psf.
- C. No water penetration shall be allowed when tested in accordance with ASTM E-547.
- D. Door units shall withstand positive and negative windloads without damage. The units shall be tested in accordance with ASTM E-330.

#### 1.05 SUBMITTALS

- A. Shop drawings shall be submitted in accordance with Section 01340.
- B. Product data in the form of general catalogs, test lab reports, product performance, and warranty information shall be submitted in accordance with Section 01340.
- C. Samples showing glazing, quality of construction and finish shall be submitted in accordance with Section 01340.

#### 1.06 DELIVERY, STORAGE, AND HANDLING

- A. In compliance with Section 01610, door units shall be delivered undamaged, with protective packaging. Complete installation and finishing instructions shall be included.
- B. Store units in a clean, dry place off the ground in an upright position.

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURER

- A. Pinnacle Series Aluminum Clad Wood Inswing Patio Door units [including sidelights] as manufactured by Windsor Windows & Doors.

#### 2.02 MATERIALS

- A. Frame: Select softwoods treated with water-repellent preservative in accordance with NWWDA I.S.-4. Exposed exterior portion of head and jambs shall be extruded aluminum sealed at corners with closed cell foam gaskets and fastened with aluminum corner keys. Interior face of jambs shall be clear stain grade. Sill shall be aluminum with solid oak threshold with protective covering. Mill finish sill standard; bronze anodized sill with protective coating optional. A low-rise handicap sill is available as an option on all inswing doors except bi-hinge. Doors up to four panels wide will have a single frame

# Pinnacle Series

## CLAD INSWING PATIO DOOR

## SPECIFICATIONS

### (Materials cont.)

- with a continuous head and sill. Frame width is adjustable from 3 9/16" to 5 5/16" and 5 9/16" to 7 5/16" with available jamb extenders utilizing extruded aluminum nailing fin. **Units with clad brickmould available in 4 9/16" or 6 9/16" jamb widths only.** Natural Alder interior option is available.
- B. Door Panels: Shall be softwoods with Ponderosa pine veneers treated with water-repellent preservative. Stiles and rails shall be fastened with ribbed hardwood dowels. Exterior surfaces shall be clad with aluminum extrusion with lapped and sealed corners. Foam tape is applied to the back side of glass stops. Engineered cores in all stiles are constructed of laminated wood components for maximum strength and stability. Stiles are 4 7/8" wide, top rail is 5 3/16" wide, and bottom rail is 8 9/16" wide. Bi-hinge option available (both panels operate). Natural Alder interior option is available.
- C. Finish: A clear pine veneer interior provides a smooth surface ready for finishing. All exterior head, side jamb, and panel extrusions shall have a factory applied, baked on acrylic finish in bronze, white, tan, ivory, hunter green, cinnamon, or black. Custom colors are also available.
- D. Glazing: Shall be 3/4" tempered double pane clear insulating glass as standard, glazed with double-faced tape, a full perimeter bead of silicone, and interior wood stops. A wide array of other glass options is offered including LoE<sup>2</sup>, tinted, and obscure. Cardinal's Preserve™ is **standard** on all LoE<sup>2</sup> glass. It is a removable, factory-applied protective film adhered to both interior and exterior surfaces of the glass.
- E. Weatherstripping: Frame weatherstripping shall be santoprene rubber with a rigid polypropylene base. This dual-seal weatherstrip seals against both the face and the edge of the panel. It shall be installed in the side jambs and head for positive protection against air and water infiltration. The sill weatherstripping includes three separate components: pile, foam, and fin weatherseals for maximum performance.
- F. Hardware: Adjustable gold-tone powder coated hinges shall be installed on each operating panel for smooth operation. Operating panels can be shipped with lockset and deadbolt holes predrilled with a 2 3/8" backset. Installed single point or multi-point "Euro" hardware is available on all swinging doors. The multi-point hardware has a three-point, side engage, tongue locking system. A variety of hardware finishes are available. **Handle sets are ordered and shipped separately.**
- G. Screens: (Extra when specified) Shall be fiberglass screen set in extruded aluminum frame. Screen shall mount on outside of door panels and roll on end-adjustable steel rollers. They shall operate on track extruded in aluminum sill. Swinging screens optional. Screens available in white, bronze, tan, ivory, hunter green, cinnamon or black. Our insect screens are intended to allow air and light in and keep insects out. The screen is not intended to stop children, adults or animals from falling out an open door.
- H. Grilles: (Extra when specified) Colonial grilles shall be select pine with moulded edges, fastened to sash with press pins. Perimeter grilles are available in 7/8" or 1 1/4" widths. White, bronze, tan, ivory, hunter green, or black aluminum inner grilles (in air space) are also available in either 13/16" flat or 3/4" profiled. Two-toned inner grilles (**13/16" flat only**) are available with a white interior, and a bronze, green, tan, ivory, or black exterior. Windsorlite (WDL) simulates true divided lite, but is created by adhesively fixing the wood interior and aluminum exterior bars to the surfaces of the insulated glass. They are available in 7/8" and 1 1/4" widths. Exterior bars are available in bronze, white, tan, ivory, hunter green, cinnamon, or black.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Verify that there is no visible damage to the unit before installation.

### 3.02 INSTALLATION

- A. Verify the rough opening is of the recommended size and that it is plumb, level, and square.
- B. Install the door unit in accordance with the manufacturer's recommendations.
- C. Install sealants, backing material, and insulation in accordance with Section 07900 and Section 07920.

### 3.03 ADJUSTMENT AND CLEANING

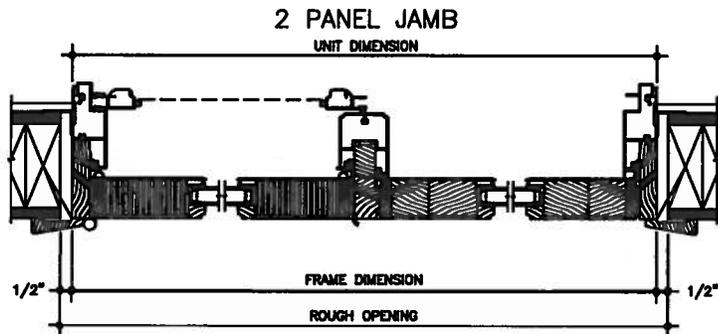
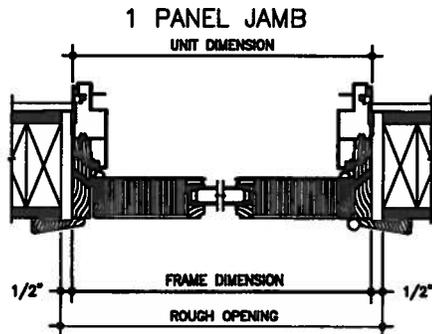
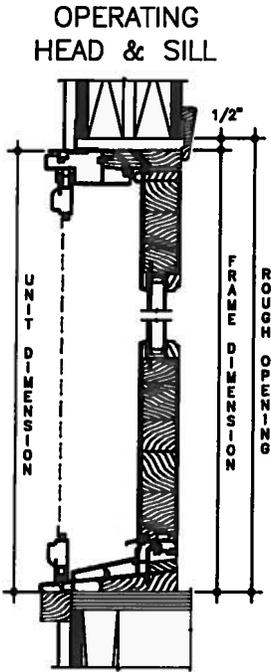
- A. Operate unit and verify that all hardware operates freely. Make any adjustments necessary.
- B. Cover the door unit to avoid damage due to spray paint, plaster, and other construction operations.
- C. Remove all visible labels and instructions.
- D. Final cleaning of glass in accordance of Section 01710

# Pinnacle Series

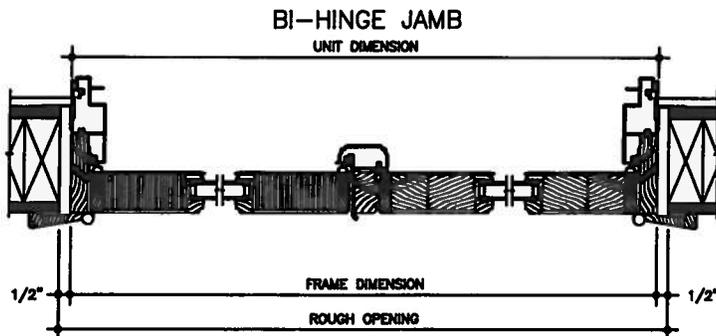
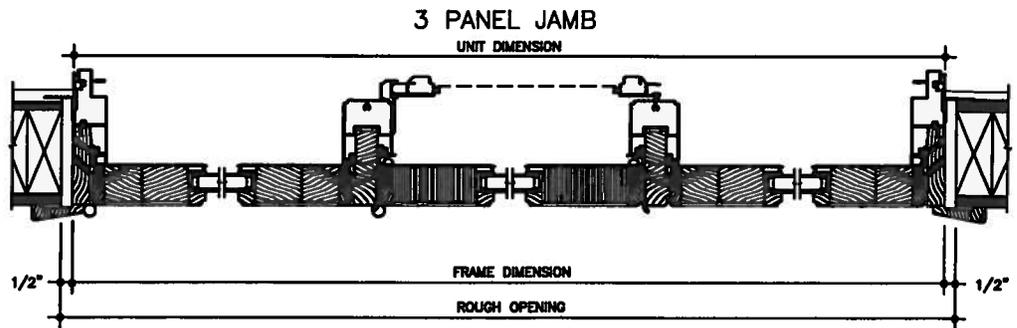
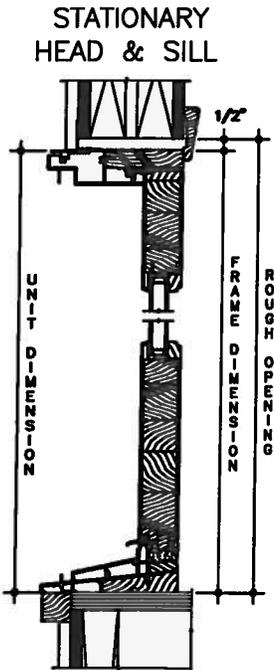
## NEW CLAD INSWING PATIO DOOR

SECTION DETAILS

SCALE: 1 1/2" = 1'-0"



3/4" INSULATING GLASS  
2 x 4 FRAME CONSTRUCTION  
1/2" SHEATHING, 1/2" DRY WALL  
4 9/16" JAMB



# Pinnacle Series

## NEW CLAD INSWING PATIO DOOR

ELEVATIONS

SCALE: 1/8" = 1'-0"

<p>UNLT ROUGH FRAME GLASS</p>	<p>2-6 1/4 2-7 1/4 2-8 1/4 20</p>	<p>5-0 1/16 5-1 1/4 5-0 1/16 20</p>	<p>7-5 7/8 7-7 7-5 7/8 20</p>	<p>7-11 3/16 8-0 1/4 7-11 3/16 11 1/2 - 20 - 11 1/2</p>	<p>8-11 11/16 9-0 3/4 8-11 11/16 14 - 20 - 14</p>	<p>9-11 11/16 10-0 3/4 9-11 11/16 20</p>	
	<p>6-7 1/2 6-8 6-7 1/2 68 7/8</p>						
	<p>2668 0 or X</p>	<p>5068 OX or XO</p>	<p>7668 X00 or OX0 or OOX</p>	<p>16-50-1668</p>	<p>20-50-2068</p>	<p>26-50-2668</p>	
	<p>6-10 3/8 6-11 6-10 3/8 68 3/4</p>						
	<p>26610 0 or X</p>	<p>50610 OX or XO</p>	<p>76610 X00 or OX0 or OOX</p>	<p>16-50-16610</p>	<p>20-50-20610</p>	<p>26-50-26610</p>	
	<p>7-11 3/8 8-0 7-11 3/8 79 3/4</p>						
	<p>2680 0 or X</p>	<p>5080 OX or XO</p>	<p>7680 X00 or OX0 or OOX</p>				
	<p>6-11 3/8 8-0 6-11 3/8 91 3/4</p>						
	<p>2690 0 or X</p>	<p>5090 OX or XO</p>					

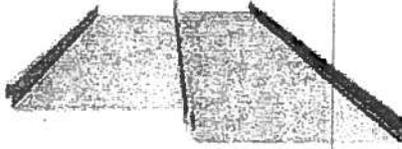
  

<h3>SIDELITES</h3>			
<p>1-2 1-3 1-2 7 1/2</p>	<p>1-4 1-5 1-4 9 1/2</p>	<p>1-6 1-7 1-6 11 1/2</p>	<p>2-0 1/4 2-1 1/4 2-0 1/4 14</p>
<p>6-7 1/2 6-8 6-7 1/2 68 7/8</p>			
<p>1268</p>	<p>1468</p>	<p>1668</p>	<p>2068</p>
<p>6-10 3/8 6-11 6-10 3/8 68 3/4</p>			
<p>12610</p>	<p>14610</p>	<p>16610</p>	<p>20610</p>
<p>7-11 3/8 8-0 7-11 3/8 79 3/4</p>			
<p>1280</p>	<p>1480</p>	<p>1680</p>	<p>2080</p>
<p>6-11 3/8 8-0 6-11 3/8 91 3/4</p>			
<p>1290</p>	<p>1490</p>	<p>1690</p>	<p>2090</p>

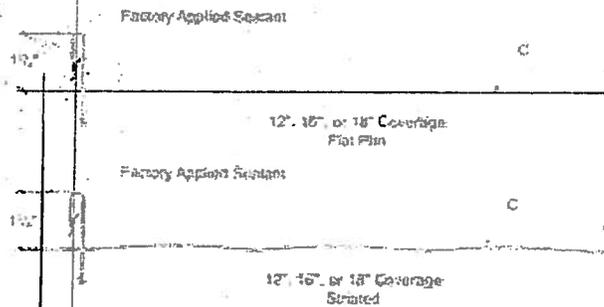
NOTE: ALL UNITS LISTED ARE BUILT AS ONE FRAME.  
FOR DOORS WITH HANDICAP SILL, SUBTRACT 1 3/8" FROM ROUGH OPENING HEIGHTS.

# Roofing Information

## Vertical Seam Metal Roofing



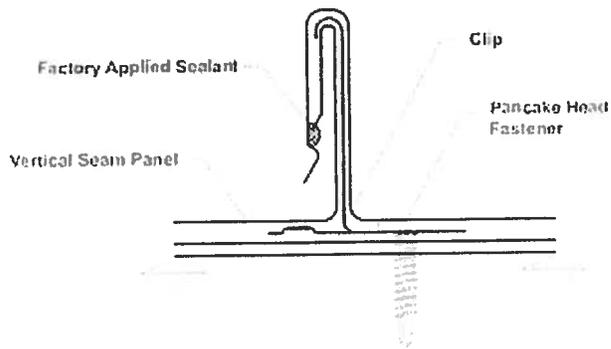
With 1-3/4" high ribs, Vertical Seam Metal Roofing has the strength needed to be installed over either open framing or solid decking. This standing seam system is fastened using hidden clips. These clips allow for greater expansion and contraction of the panels, at the same time ensuring wind resistance. Vertical Seam is Miami-Dade county approved, meeting some of the most stringent requirements for high wind areas. Vertical Seam comes standard with striations to eliminate oil canning, but can also come flat pan. If you want it flat pan you will have to specify it.



### Vertical Seam Specifications

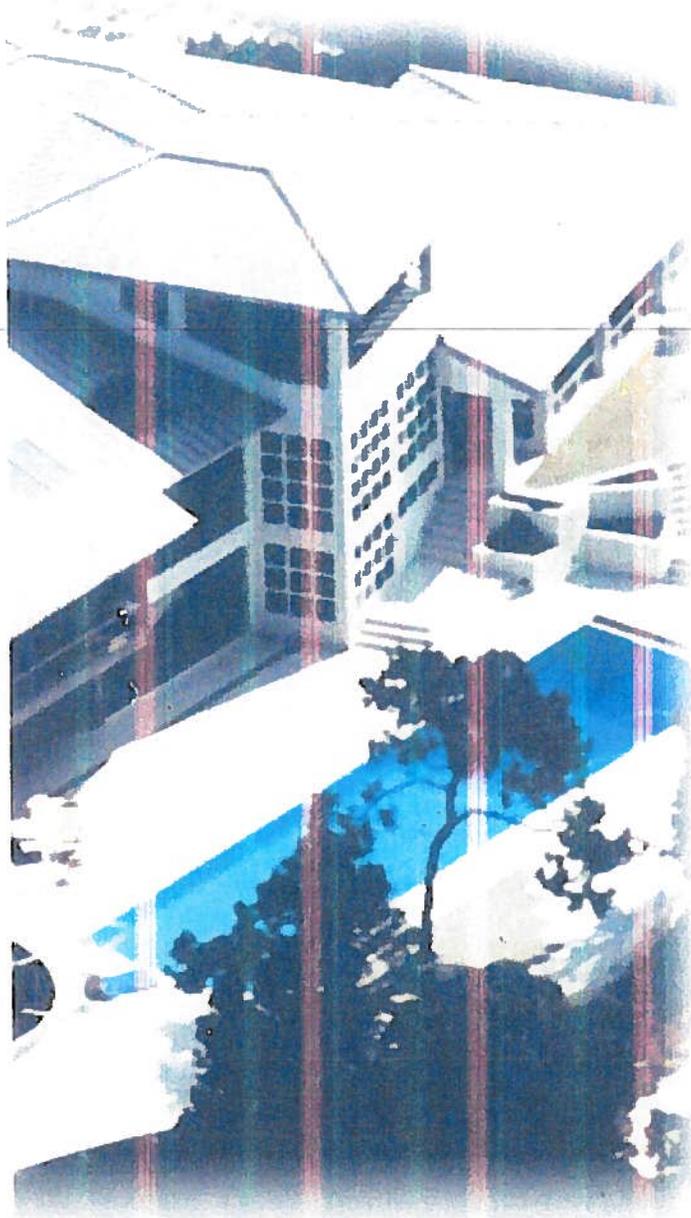
- 12, 16 or 18" panel coverage
- 1-3/4" rib height
- Architectural / structural integral standing seam panel
- Applies over open framing or solid substrate
- Material: High-quality steel protected by layers of coatings and paint
- Gauges: 26ga or 24ga standard, 22ga optional
- Finishes: Painted or acrylic coated Galvalume®
- Warranty: 45 year on painted, 25 year on Galvalume®
- Minimum roof slope 3:12
- Factory applied side lap sealant
- Concealed clip designed for thermal movement
- Accommodates up to 4" blanket insulation
- Energy Star rated on many colors
- Purpose: Roofing panels

## ATTACHMENT DETAIL



### Concealed Clip System

- Vertical Seam utilizes a concealed clip fastening system.
- Low maintenance and easy installation.
- Can be installed over open framing, making it a great choice for steel structures.
- Great for new construction or re-roofing projects.
- A full line of trim and accessories is available.



*A roof style to fit any home...*

As homeowners choose metal roofing as their permanent roofing solution, Englert provides the widest variety of solutions in the industry. Whether your current design is a re-roof project or new construction, we offer a full range of roof profiles, finishes, textures and architectural details to realize all your design objectives. Englert systems permit complex roof configuration and unlimited panel lengths from ridge to eave, without end laps or splicing, to ensure a crisp roof line and greater weathertightness.

*Aesthetics*

Whether you desire complicated roof planes or smooth, continuous surfaces, Englert roof systems have a wide range of seam profiles, panel widths and finishes to meet your design needs. Narrow seams or wide batten-type profiles are available, as are optional ribs and striated patterns for all roof systems to further articulate the roof lines from ridge to eave.

Englert systems are engineered to accommodate the most complex roof configurations, including hips, valleys, dormers and a broad range of pitches. The transitions between roof surfaces and other building elements, including mansards, fascia, siding and soffits, can be cleanly and seamlessly detailed in a variety of profiles.

Panel systems come in standard widths from 12" to 24". Custom widths are available for special applications. Flush seam panels are offered to achieve flat surfaces on fascia, walls and soffits.

*Finishes*

Englert is one of the few single-source metal roof manufacturers with an in-house coil coating line and an exceptionally broad range of finishes to meet any design objective. Whether your design calls for a natural weathered appearance or bright high-performance, full-strength fluorocarbon colors — Englert offers an array of standard finishes. Our minimum custom color order requirements are among the lowest in the industry.

*Cover all your design options with Englert metal roof systems.*

Englert's Standing Seam roof panels are available in the following colors:

MANSARD BROWN MN-30		DEEP RED DR-30	
HARTFORD GREEN HG-30		COLONIAL RED CL-30	
FOREST GREEN FG-30		BURGUNDY BG-30	
TURQUOISE TQ-30		DARK BRONZE DB-30	
EVERGLADE MOSS EM-30		MEDIUM BRONZE MB-30	
PATINA GREEN PG-30		STANDARD TEAL ST-30	
MATTE BLACK MT-30		ROYAL BLUE RB-30	
CHARCOAL GRAY CG-30		PACIFIC BLUE PB-30	
SLATE GRAY SG-30		SLATE BLUE SB-30	
DOVE GRAY DG-30		BONE WHITE BW-30	
SEAFOG SF-30		SIERRA TAN ST-30	