

# KHAN CONSTRUCTION + DEVELOPMENT

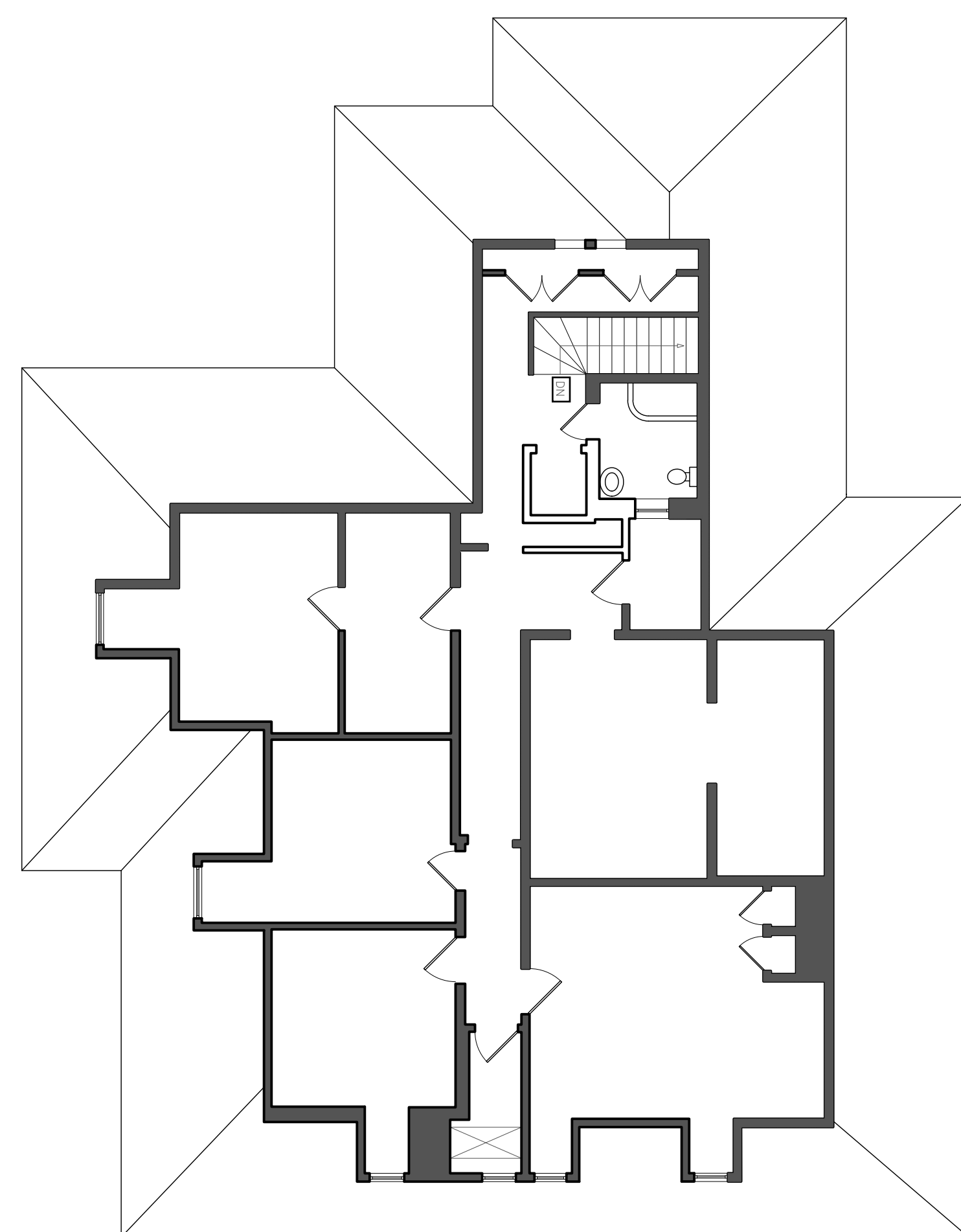
425 Central Avenue Albany, NY 12206 518.463.0800 tel 347.273.8045 fax

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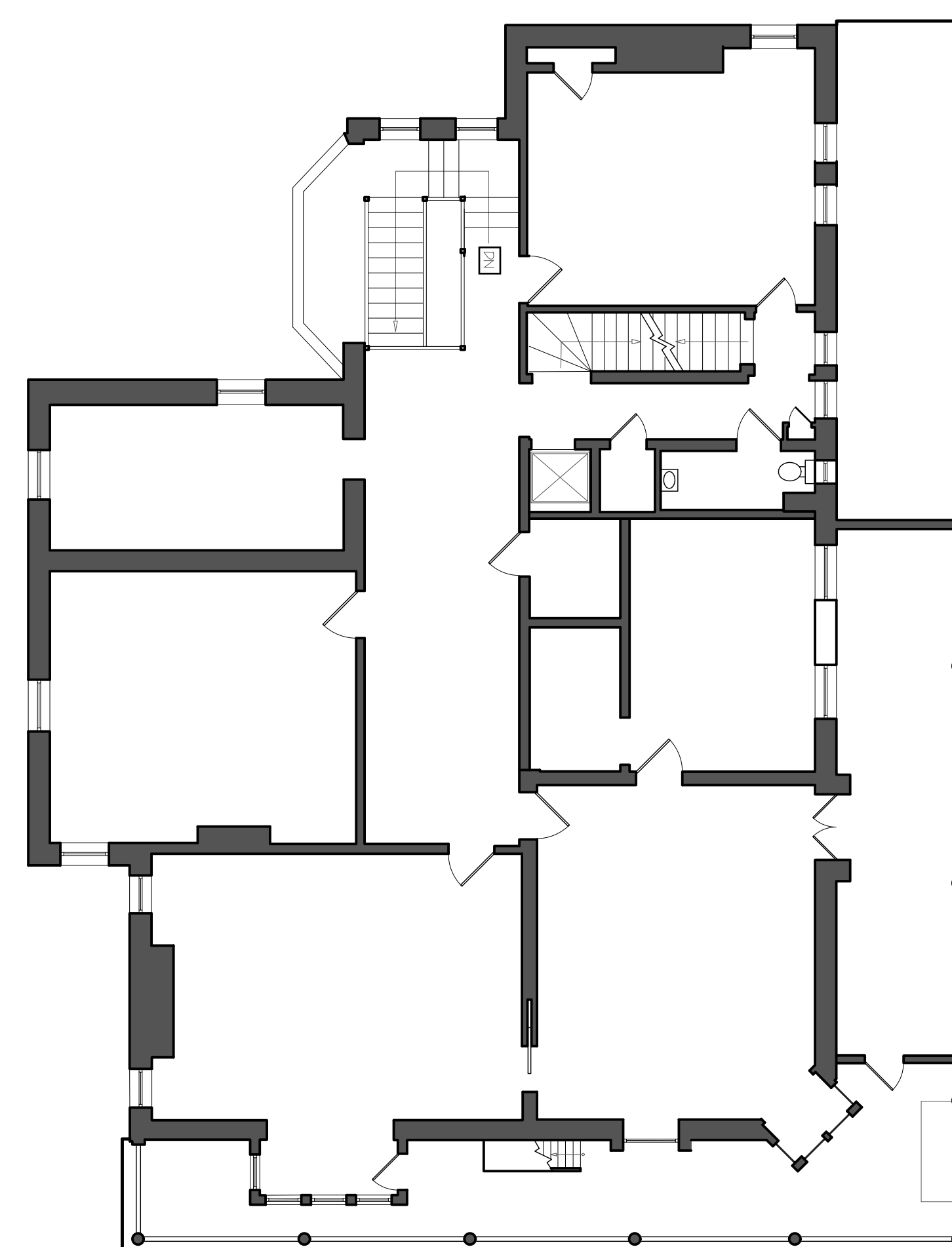
Owner  
**Faraz Khan**  
T: 518-210-5000

### ISSUE DATE

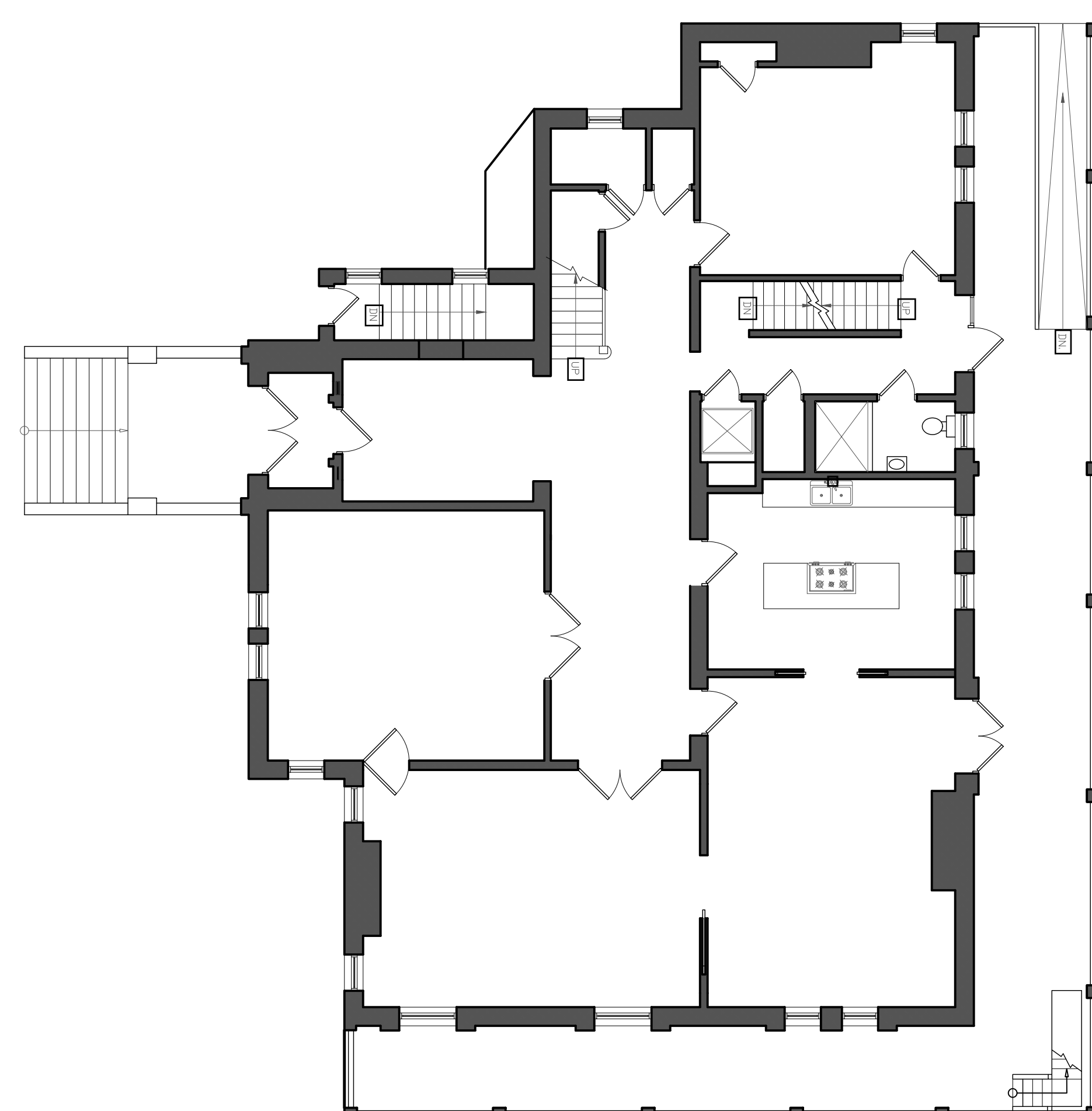
14 Oct 2020	HRC Submission
3 Nov 2020	HRC Re-Submission



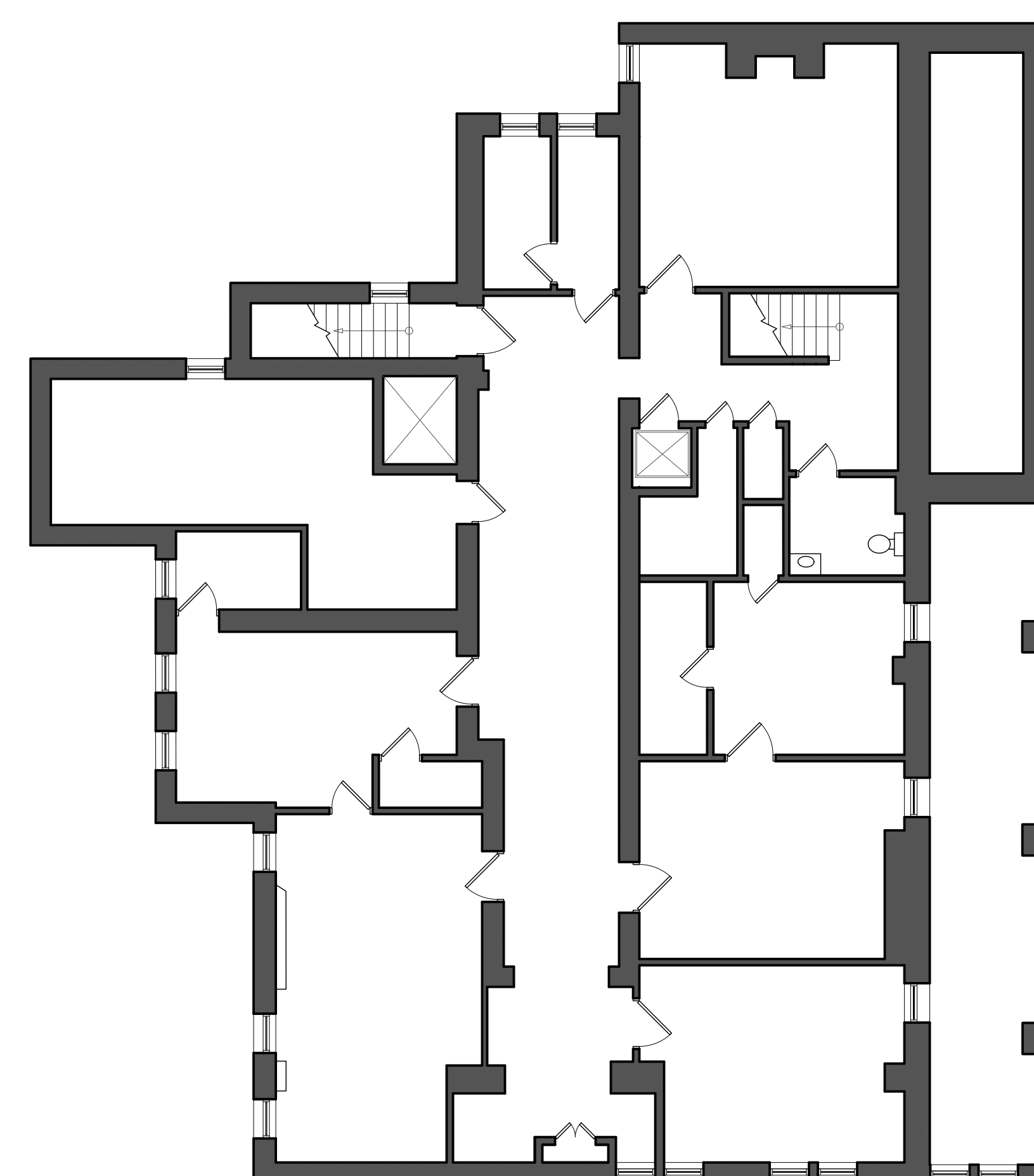
**3** EXISTING THIRD FLOOR PLAN  
1/8" = 1'-0"



**2** EXISTING SECOND FLOOR PLAN  
1/8" = 1'-0"



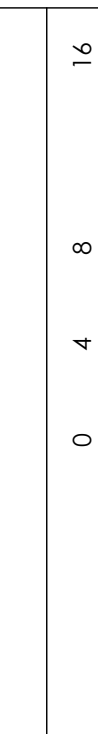
**4** EXISTING FIRST FLOOR PLAN  
1/8" = 1'-0"



**1** EXISTING CELLAR PLAN  
1/8" = 1'-0"

**LEGEND**

- EXG WALL / CONSTRUCTION TO REMAIN
- DIRECTION OF ROOF SLOPE/PITCH
- KEYNOTE
- ROOF ACCESS HATCH W/ DIRECTION OF OPERATION SHOWN

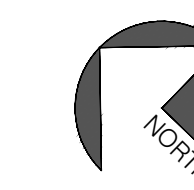


## THURLOW MANOR ADDITION

9 THURLOW TERRACE  
ALBANY, NY 12203  
CITY OF ALBANY  
NEW YORK

# A200 EXISTING PLANS





- GENERAL NOTE  
1. RE: A9.01 FOR ROOFING DETAILS
- KEY NOTES
- 60 MIL TPO ROOFING MEMBRANE ON 5/8" FRP. PLYWOOD
  - 60 MIL TPO ROOFING MEMBRANE OVER RIGID INSULATION (MIN R-30) ON 5/8" FRP. PLYWOOD
  - TPO CRICKET WITH TAPERED INSULATION
  - SCUPPER AND DOWNSPOUT. RE: A3.01 ELEVATIONS
  - OVERFLOW. RE: A3.01 ELEVATIONS
  - OUTLINE OF EXISTING ROOF BELOW UNDER NEW OVERBUILT ROOF (DASHED)
  - EXISTING CEDAR SHINGLE ROOF TO REMAIN. N.I.C.
  - COUNTERFLASH @ ALL JUNCTURES WITH EXISTING ROOFING/SIDING AND NEW TPO ROOF
  - NOT USED.
  - EXISTING GUTTER AND DOWNSPOUT TO REMAIN
  - NEW GUTTER AND DOWNSPOUT TO MATCH EXISTING
  - NEW CEDAR SHINGLE ROOF TO MATCH EXISTING
  - NEW MECHANICAL SCREEN
  - FUTURE ROOF TOP MECHANICAL EQUIPMENT N.I.C.

# KHAN CONSTRUCTION + DEVELOPMENT

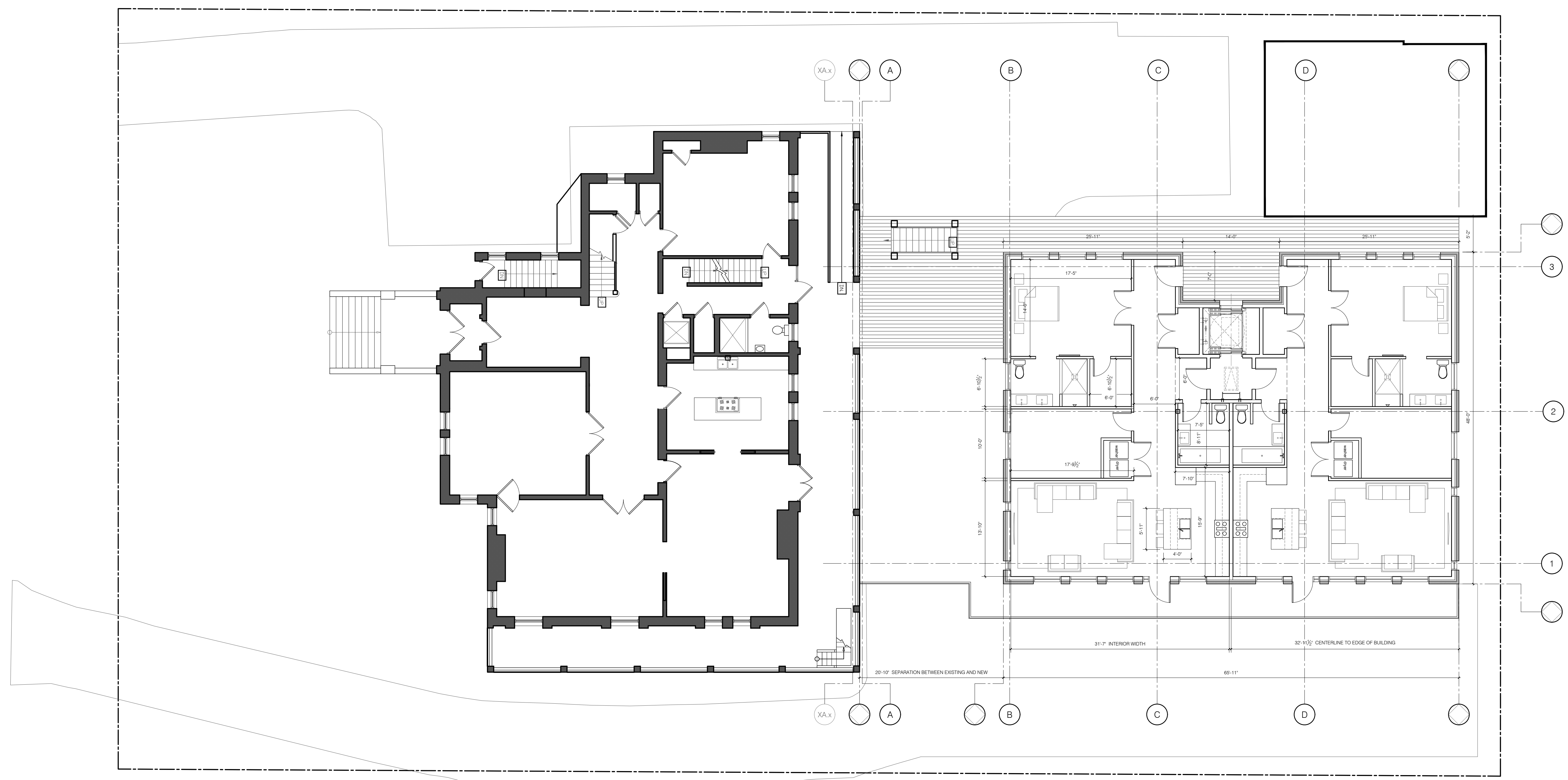
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**01** MAIN FLOOR PLAN  
scale: 1/8"=1'-0"

**LEGEND**

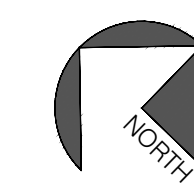
- N.I.C.
- EXG WALL / CONSTRUCTION TO REMAIN
- EXG WALL / CONSTRUCTION TO BE REMOVED
- NEW WALL / CONSTRUCTION
- DIRECTION OF ROOF SLOPE/PITCH
- KEYNOTE
- ROOF ACCESS HATCH W/ DIRECTION OF OPERATION SHOWN

## THURLOW MANOR ADDITION

9 THURLOW TERRACE  
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# A202

MAIN FLOOR PLAN



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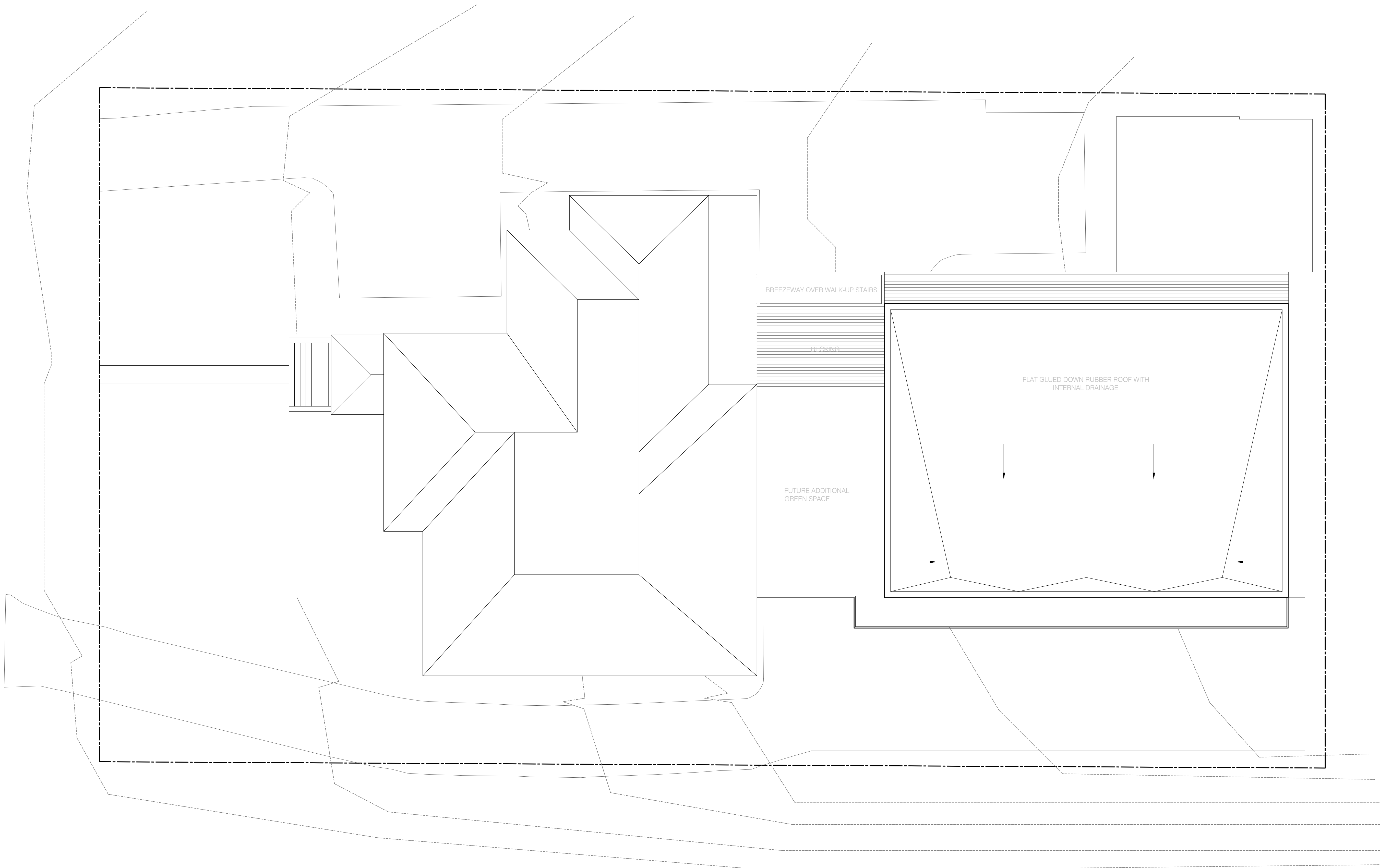
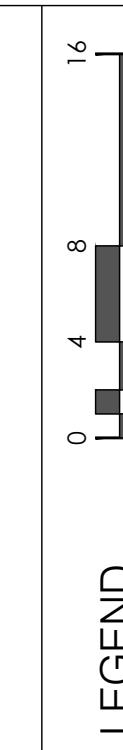
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  - COUNTERFLASH @ ALL JUNCTURES WITH EXISTING ROOFING/SIDING AND NEW TPO ROOF
  - NOT USED.
  - EXISTING GUTTER AND DOWNSPOUT TO REMAIN
  - NEW GUTTER AND DOWNSPOUT TO MATCH EXISTING
  - NEW CEDAR SHINGLE ROOF TO MATCH EXISTING
  - NEW MECHANICAL SCREEN
  - FUTURE ROOF TOP MECHANICAL EQUIPMENT N.I.C.

- SITE BOUNDARY
- TOPOGRAPHY = 1' GRADE CHANGE
- ▭ NEW WALL / CONSTRUCTION
- DIRECTION OF ROOF SLOPE/PITCH
- ◇ KEYNOTE
- ⊠ ROOF ACCESS HATCH W/ DIRECTION OF OPERATION SHOWN



01 SITE PLAN  
scale: 1/8"=1'-0"

## THURLOW MANOR ADDITION

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# A203 SITE PLAN



# KHAN CONSTRUCTION + DEVELOPMENT

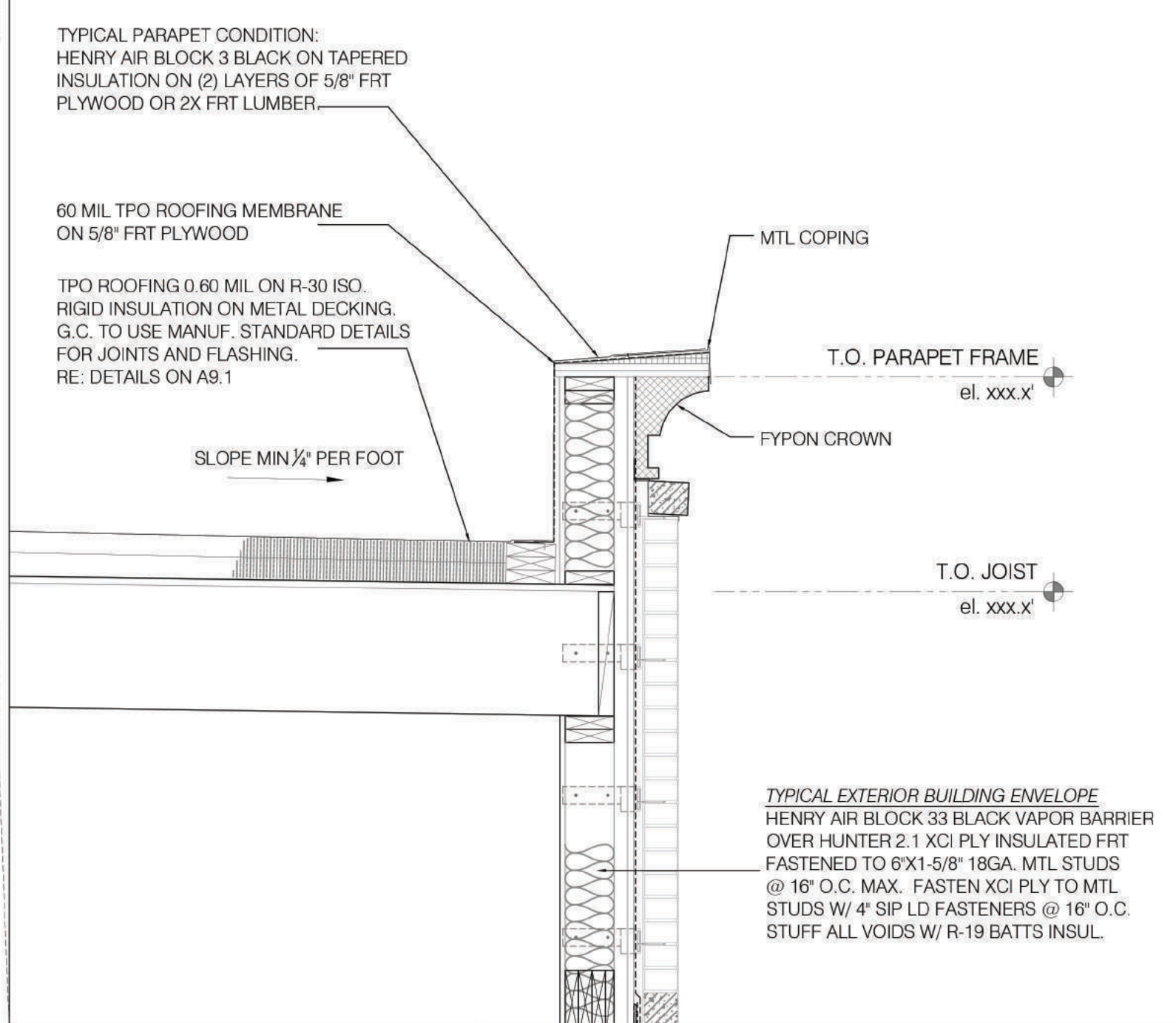
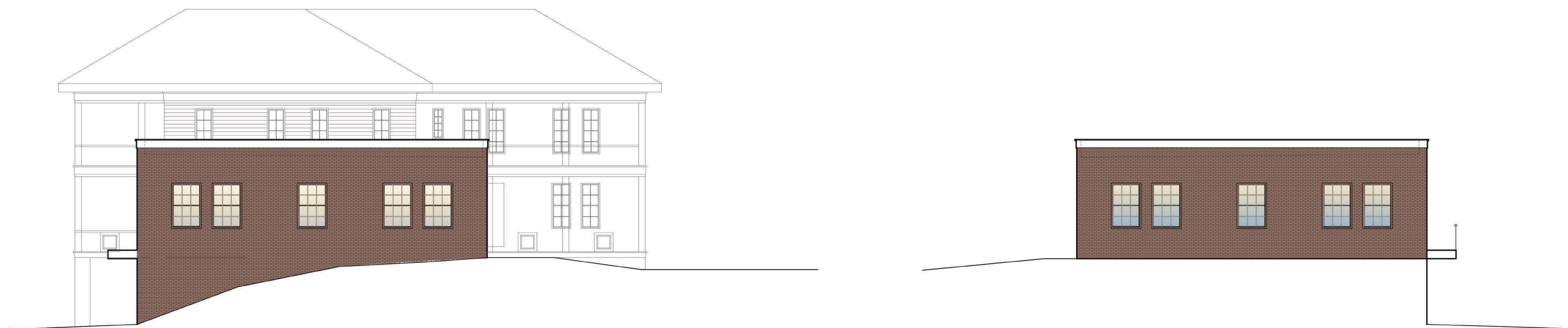
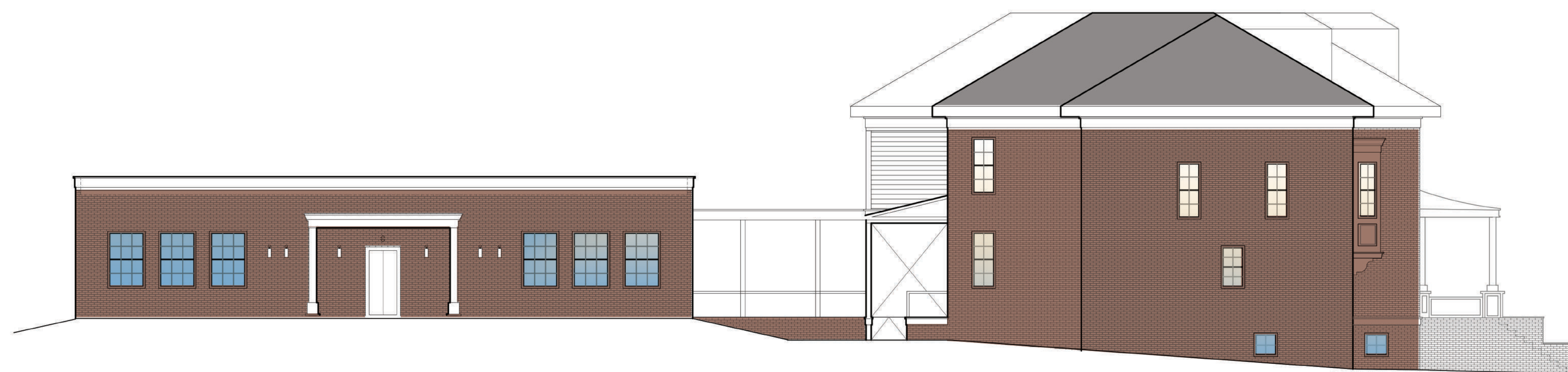
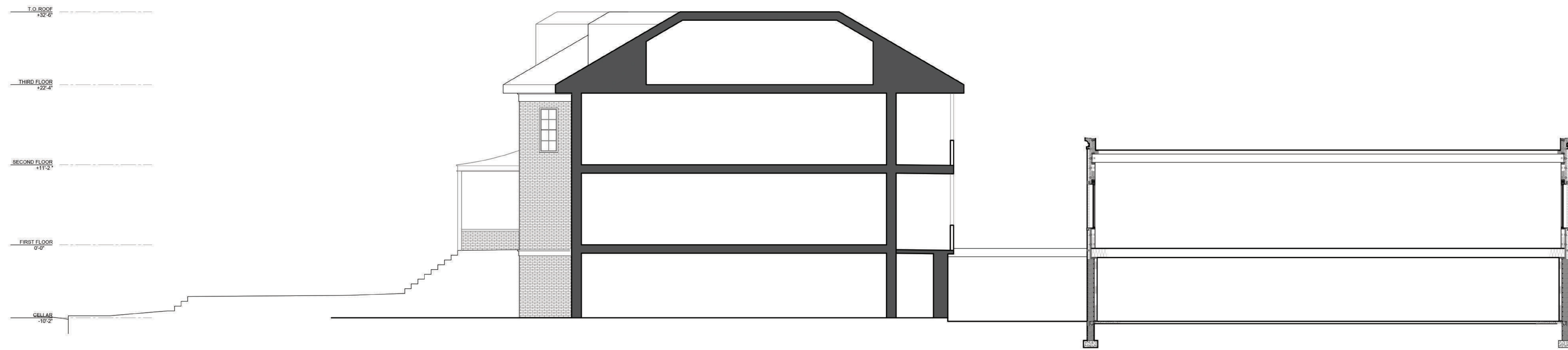
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**LEGEND**

- N.I.C.
- EXG WALL / CONSTRUCTION TO REMAIN
- EXG WALL / CONSTRUCTION TO BE REMOVED
- NEW WALL / CONSTRUCTION
- DIRECTION OF ROOF SLOPE/PITCH
- KEYNOTE
- ROOF ACCESS HATCH W/ DIRECTION OF OPERATION SHOWN

0 4 8 16

## THURLOW MANOR ADDITION

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## A401 ELEVATIONS + SECTION





# KHAN CONSTRUCTION + DEVELOPMENT

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**3 NORTH ELEVATION**  
1/8" = 1'-0"



**2 WEST ELEVATION**  
1/8" = 1'-0"



**4 SOUTH ELEVATION**  
1/8" = 1'-0"



**1 EAST ELEVATION**  
1/8" = 1'-0"

**LEGEND**

- N.I.C.
- EX'G WALL / CONSTRUCTION TO REMAIN
- EX'G WALL / CONSTRUCTION TO BE REMOVED
- NEW WALL / CONSTRUCTION
- DIRECTION OF ROOF SLOPE/PITCH
- KEYNOTE
- ROOF ACCESS HATCH W/ DIRECTION OF OPERATION SHOWN

## THURLOW MANOR ADDITION

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NEW YORK

# A400

EXISTING ELEVATIONS









# StoColor | **Classic Collection**

[www.stocorp.com](http://www.stocorp.com)





#### Please note

The colors presented on this chart are representations. Actual color of manufactured product may vary slightly from the chart. Color perception is affected by degree of gloss, texture, and lighting conditions. For best results always request a product sample, select color under natural lighting conditions, and construct full scale job site mock ups for final color approval.

Minor shade variations may occur from batch to batch (refer to batch no. on pail). Avoid installing separate batches side-by-side and avoid application in direct sunlight. Avoid installing new finish adjacent to weathered or aged finish. Sto Corp. will not be responsible for shade or color variation from batch to batch, variation caused by application or substrate deficiencies, or fading resulting from natural causes such as weather. See Sto Tech Hotline Nos. 0694-C, 0893-EC and 1202-CF for helpful tips on prevention of color problems.

For Continuous Insulation Systems select colors with light reflectance value of 20 or greater.

#### Notas

Los colores que aparecen en este muestrario son representaciones. El color real del producto puede variar ligeramente con el del muestrario. El color percibido es afectado por el grado de brillantez, la textura y las condiciones de luz. Para la obtención de los mejores resultados, deberá siempre solicitar una muestra del producto, seleccionar el color bajo condiciones de luz natural, y elaborar muestras en la obra misma para la aprobación final del color.

Pueden presentarse pequeñas variaciones en el tono, de remesa a remesa (favor de referirse al número de remesa en la cubeta). Evite aplicar adjuntas remesas diferentes, así como a la luz solar directa. Igualmente, evite aplicar el acabado nuevo adjunto a acabados viejos o intemperizados. Sto Corp. no se responsabiliza por la variación en color o tono de remesa a remesa, al método de aplicación, deficiencias en la base, o por decoloración debido a causas naturales como el clima. Favor de consultar a los Nos. 0694-C, 0893-EC y 1202-CF de Sto Tech Hotline para recibir indicaciones para prevenir problemas.

Para Sistemas de Aislamiento Térmico por el Exterior, seleccione colores con un valor reflejante de luz del 20 o mayor.

## Sto's Classic Color Collection

This is a selected group of colors from the StoColor System. The Classic Color Collection represents traditional favorites for North America. For additional colors, refer to our entire StoColor System with 800 standard colors. Explore your creative freedom with the varied textures in which all Sto colors are available. To learn more about the solutions Sto can provide for you, contact us by calling 1-800-221-2397 or log on at [www.stocorp.com](http://www.stocorp.com).

### StoColor System

- Quick and easy to understand thanks to a clear, logical system construction
- Reliable application of design through a harmonic, finely nuanced selection of colours for facade and interior use
- Ergonomic perception oriented presentation media for all phases of colour design

## Colección Clásica de Color de Sto

Este es un surtido selecto de colores del Sistema StoColor. Esta Colección Clásica representa los colores preferidos en Norte America. Para colores adicionales, refíerese a la colección completa StoColor System de 800 colores. Pruebe su creatividad con las variedades de texturas en las cuales todos los colores Sto están disponibles. Para aprender más sobre las soluciones que Sto puede proporcionar, comuníquese al 1-800-221-2397 o visite [www.stocorp.com](http://www.stocorp.com).

### Sistema StoColor

- Rápido y fácil de comprender, debido a su presentación clara y lógica
- Aplicación precisa para el diseño a través de una selección de colores armonía y a la medida, tanto para interiores como exteriores
- Presentación ergonómica, orientada hacia todas las fases del diseño del color

### Guide to symbols

31437 ■ 73 \*

#### Color No.

Color code/Order No.

#### Número del tono de color

Código color/Número de pedido

\* Please note that certain dark and/or saturated colors may incur increased costs due to high tint charges.

\* Tenga presente que ciertos colores oscuros y/o saturados pueden incurrir en mayores costos debido a los elevados precios de los colorantes.

### Explicación de los símbolos

#### Light reflectance value

Value for the quantity of light reflected from the surface. Measured in percent 100 % = white, 0 % = black

#### Valor Reflejante de Luz

Valor, en por ciento, que mide la cantidad de luz reflejada por la superficie. 100 % = blanco, 0 % = negro

## Most Popular Textures; Texturas más populares

Milano



Medium



Freeform (custom texture)



### Milano

Stolit® Milano

### Fine

Stolit® Lotusan® 1.0  
Stolit® .75  
Stolit® 1.0  
Sto Essence Fine Sand Finish  
Sto Powerflex® Silco Fine  
Sto Powerflex® Fine  
Sto Powerwall™ Fine Finish  
Sto Powercryn™ Fine Finish

### Swirl

Stolit® R1.5  
Sto Essence Swirl Finish  
Sto Powerflex® Silco Swirl  
Sto Powerflex® Swirl  
Sto Powerwall™ Swirl Finish  
Sto Powercryn™ Swirl Finish

Fine



Swirl



Limestone



\* Requires two layers of finish material /  
Requiere dos capas de acabado

### Medium

Stolit® Lotusan® 1.5  
Stolit® 1.5  
Sto Essence Medium Sand Finish  
Sto Powerflex® Silco Medium  
Sto Powerflex® Medium  
Sto Powerwall™ Medium Finish  
Sto Powercryn™ Medium Finish

### Freeform

Stolit® Lotusan® Freeform  
Stolit® Freeform  
Sto Powerflex® Silco Freeform  
Sto Powerflex® Freeform  
Sto Powerwall™ Freeform  
Sto Powercryn™ Freeform

### Limestone

Sto Limestone Finish





32234 ■ 45

Natural



1015 ■ 35

Mocha Cream



32132 ■ 23

Spectral



20822 ■ 56

Diamond Dust



10612 ■ 55

Autumn Wheat



20905 ■ 55

Oatmeal



10611 ■ 64

Moonlit Sand



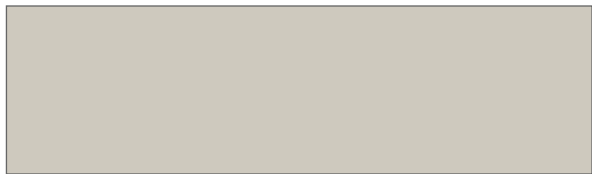
10622 ■ 60

Indiana Limestone



10522 ■ 61

Ivory Key



93330 ■ 69

Champagne



10511 ■ 66

Pacific Sand



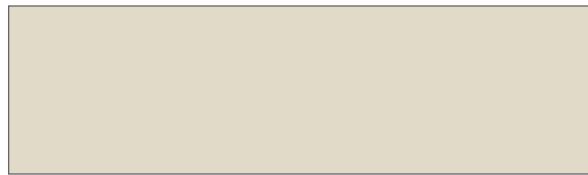
20506 ■ 70

Desert Sun



10308 ■ 86

Pearl



10609 ■ 79

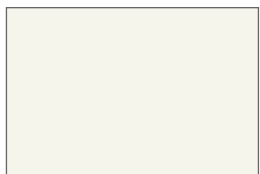
French Vanilla



10606 ■ 71

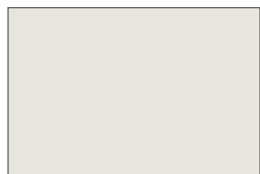
Plateau

### Whites



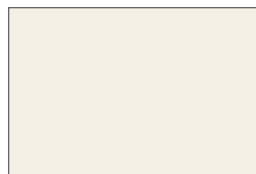
9433 ■ 80

Sto White



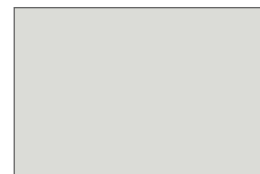
6050 ■ 73

White Linen



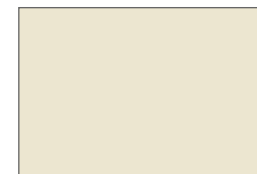
20001 ■ 82

ITS White



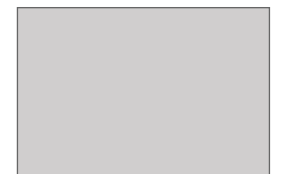
21614 ■ 79

Silver Lining



32138 ■ 78

Cotton



20824 ■ 73

Winter White





33137 ■ 71

Gray Dawn



35237 ■ 75

Cloud



11406 ■ 71

Pearl Gray



11505 ■ 65

London Fog



33237 ■ 68

Mineral



36236 ■ 67

Frost



36235 ■ 58

Notre Dame



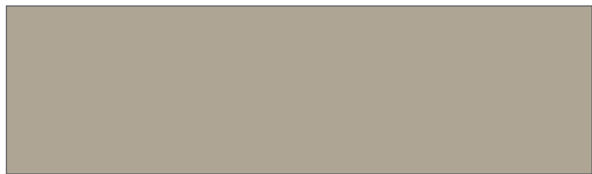
93240 ■ 60

Smoked Putty



21612 ■ 58

Oyster



93860 ■ 52

Sandstone



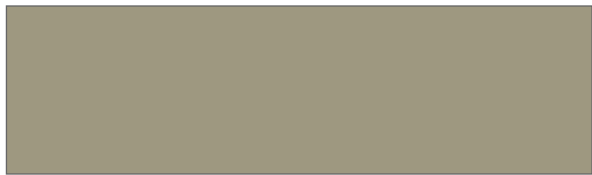
11504 ■ 50

Gray Flannel



11404 ■ 47

Brushed Pewter



93440 ■ 36

Moondust



11403 ■ 32

Burnt Ash



11503 ■ 35

Twilight

**Accents** (Please note: Higher tint costs may be associated with accent colors)



31410 ■ 45 Hemp Gold



32321 ■ 41 Terra



33120 ■ 25 Coral



34133 ■ 28 \*Violet Night



35333 ■ 35 \*Cadet



36233 ■ 38 \*Manchester





Sto Corp.  
3800 Camp Creek Parkway SW  
Building 1400 • Suite 120  
Atlanta, Georgia 30331

For more information about StoColor or Sto Studio,  
our professional visualization service, please contact us at:

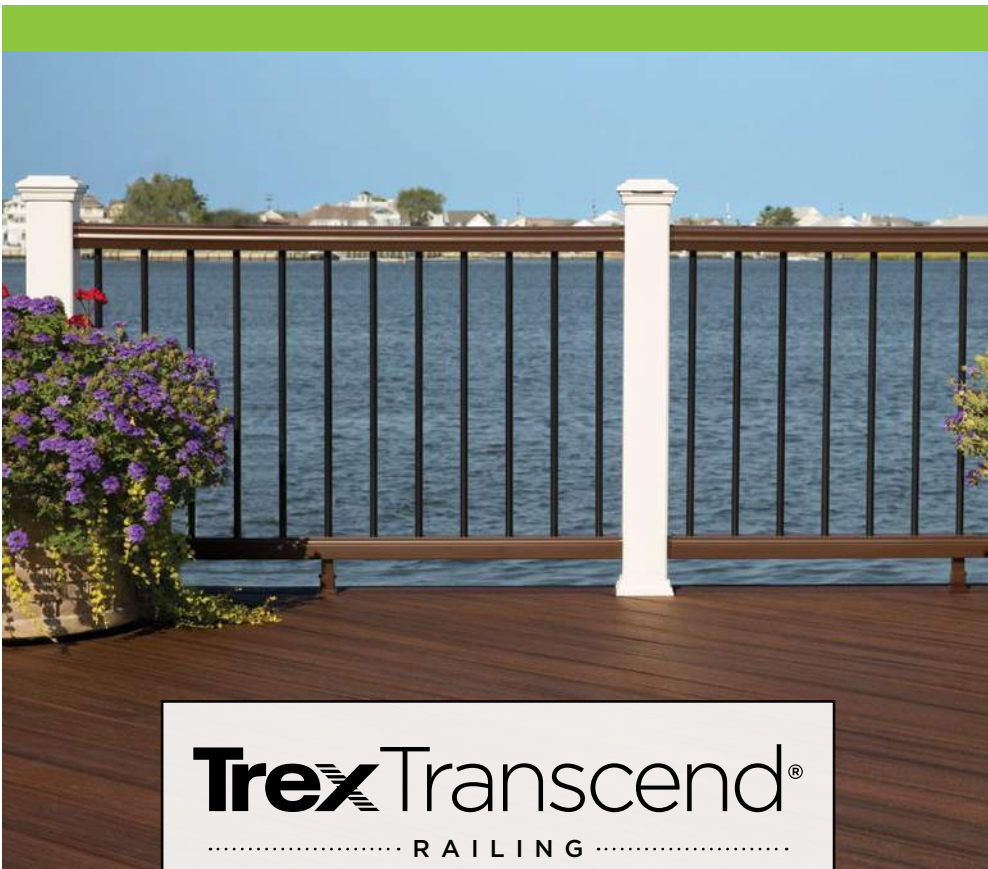
**1-800-221-2397**

Or find us on the web at:

**<http://www.stocorp.com>**







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 ..... RAILING .....



**Trex** Select®  
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RAIL KITS	CUSTOM ROUTE
Composite	
Square composite balusters OR Round aluminum balusters	Square composite balusters OR Round aluminum balusters OR Square aluminum balusters
Composite: <b>3</b> Aluminum: <b>1</b>	Composite: <b>7</b> Aluminum: <b>3</b>
<b>\$\$-\$\$\$</b>	
<b>TRADITIONAL</b>	

RAIL KIT
Composite
Round aluminum balusters
<b>1</b>
<b>\$</b>
<b>STANDARD</b>

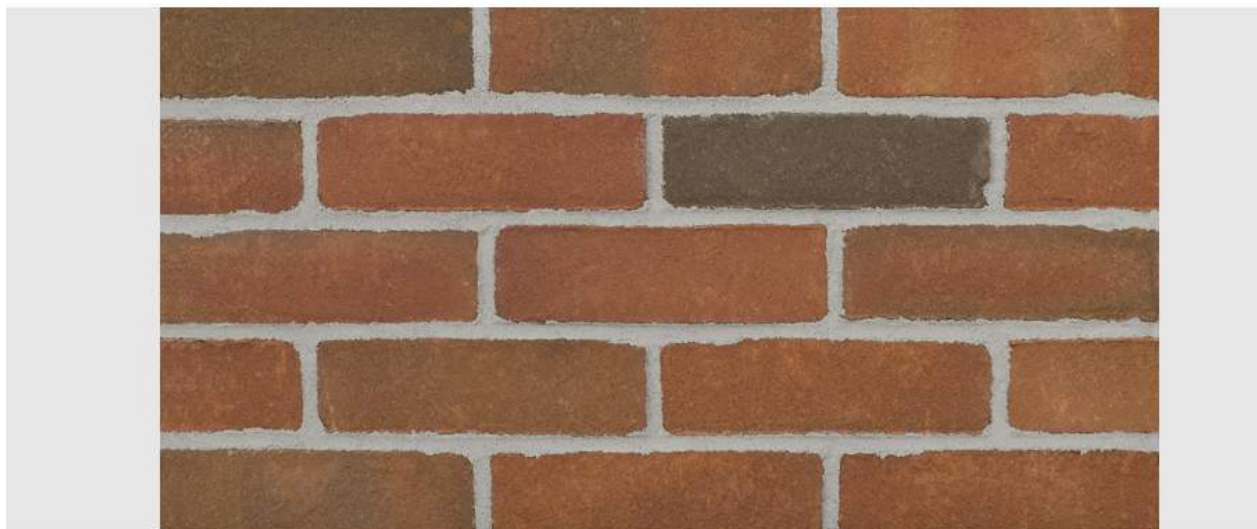




Stone ▾

Wall Systems ▾

Resources+Events ▾



# Albany



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## Product Information:

**Brand:** Glen-Gery

**Type:** Facebrick

**Color:** Red

**Style:** Molded

**Plant:** Iberia

**Series/Collection:** Hometown Series

**Texture/Finish:** Sand

Project Gallery

Sizes

Technical Information

Mortar Colors



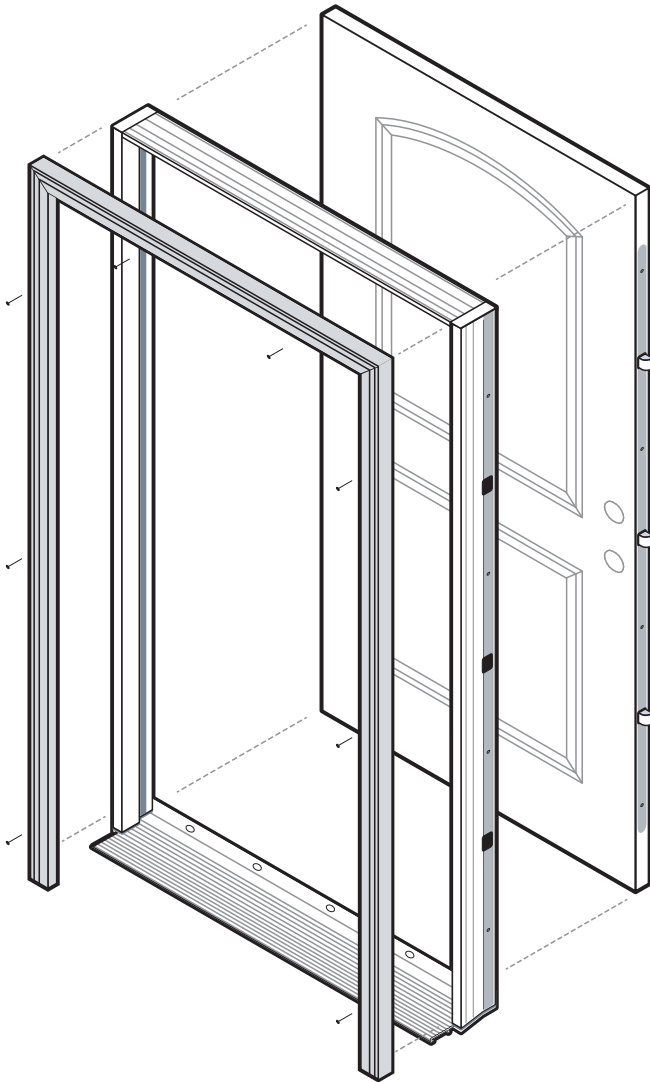


# Pella® Entry Doors



#1 preferred entry door brand by homeowners.\*

A curated collection of fiberglass, steel and wood entry doors delivering dependable performance and inspired designs.



Rendering shown with all available options.

- **Whole home solution**

Trust Pella to be your whole project solution with our complete offering of windows, patio doors and entry doors. Support is available where and when you need it with trusted national, regional and local partners in sales and installation.

- **Innovative security sensors**

Our integrated security sensors are factory-installed and integrated directly into the entry door system. Preserving the beauty and warranty of a Pella entry door while increasing peace of mind, they can be used with the free Pella Insynctive® app and integrate with many home security systems.

- **Premium hardware**

Pella has partnered with Baldwin®, the #1 premium hardware brand to create three stunning collections to complement your project's style, architecture and coordinating window hardware.

- **Variety of panel materials**

Available in fiberglass, steel and wood, our collection of entry doors can meet the needs of your design vision, while providing exceptional performance and energy efficiency.

- **Rot-resistant frame system**

Pella's complete panel and frame system for fiberglass and steel entry doors is made of a rigid closed cell poly-fiber material and is engineered to be exceptionally energy efficient. It does not absorb moisture and is rot resistant, reducing potential callbacks.

- **Energy-efficient panels**

Our fiberglass and steel entry doors feature solid polyurethane foam-filled panels to increase energy efficiency and ensure years of exceptional performance.

- **Desired, on-trend colors**

Select from a curated color collection, created in collaboration with the team at Sherwin-Williams DesignHouse for Performance Coatings. They are designed to complement Pella windows and patio doors and coordinate with other exterior finishes, including siding, roofing, stone and shingles.

- **Most popular styles**

With the most popular panel styles, we've made the selection process for your next project faster and easier. With a panel offering that fits every home style, you can help fulfill your customer's desired aesthetic.

- **Available impact options**

Offering panel and glass options for impact-certification, Pella's fiberglass and steel panels and frame system allow for code compliance. See performance details for more information.

\* Study of homeowner perceptions of leading national brands. Study commissioned by Pella, 2019.

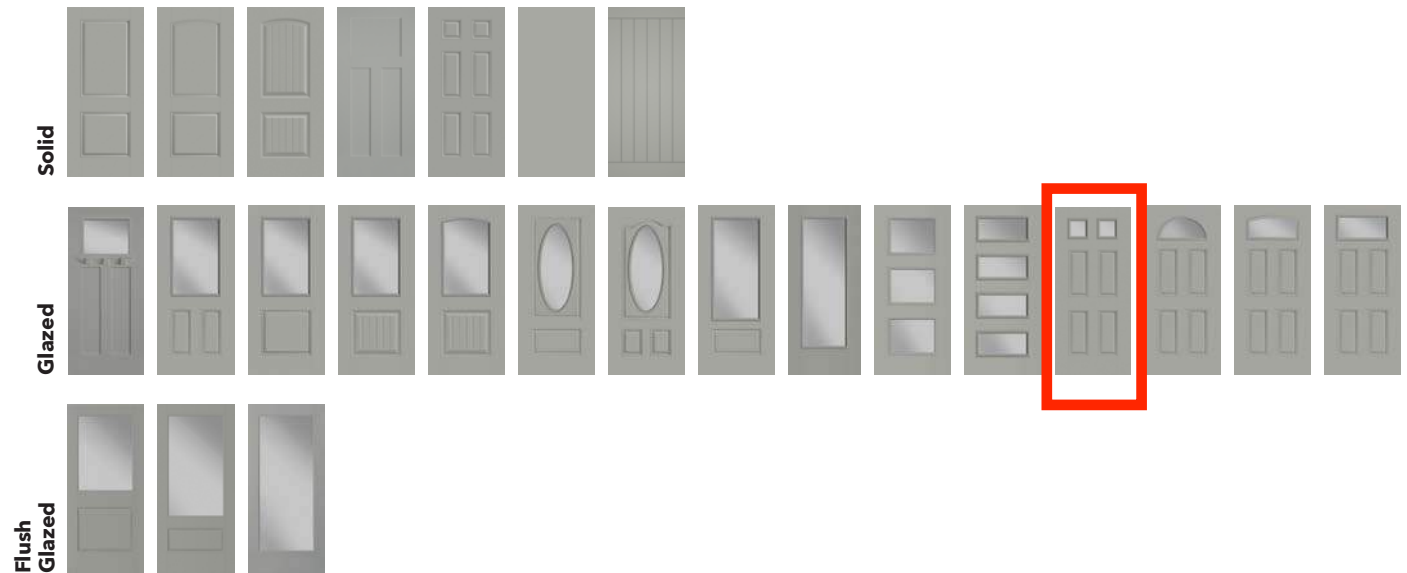


# Product Specifications

Entry Door Styles	Min. Width	Min. Height	Max. Width <sup>1</sup>	Max. Height	Performance Values <sup>1</sup>	
					U-Factor	SHGC
Flush Glazed Full Light	30"	80"	36"	96"	0.25	0.16
Full Light	30"	80"	36"	96"	0.25	0.16
3/4 Light	32"	80"	36"	96"	0.25	0.21
3/4 Deluxe Oval Light	32"	80"	36"	80"	0.24	0.15
1/2 Light 1 Panel Plank	32"	80"	36"	96"	0.23	0.16
Craftsman Light	32"	80"	36"	96"	0.19	0.09
Twin Colonial Light	32"	80"	36"	80"	0.19	0.09
2 Panel Square	32"	80"	36"	96"	0.15	0.01
2 Panel Arch Plank	32"	80"	36"	96"	0.15	0.01
2 Panel Arch	32"	80"	36"	96"	0.15	0.01
Craftsman	32"	80"	36"	96"	0.15	0.01
6 Panel	30"	80"	36"	96"	0.15	0.01
Flush	30"	80"	36"	96"	0.15	0.01

<sup>1</sup> Values shown are for a single door. See your Pella representative for more information.

# Panel Styles



Pella® Entry Doors are backed by some of the strongest warranties in the business.<sup>2</sup> Pella entry door fiberglass systems with composite exterior frames are backed by the Pella Limited Lifetime Warranty. The Pella 20/10 Limited Warranty is the standard warranty for all steel and wood entry doors from Pella.

<sup>2</sup> See written limited warranties for complete details, including exceptions and limitations, at [pella.com/warranty](http://pella.com/warranty) or contact Pella Customer Service at 877-473-5527.

## Finishes

### Frame and Fiberglass Panel Finishes

Find the color that coordinates best with your project, from modern to traditional styles, across the country. Our curated collection of on-trend colors was created in collaboration with the team at Sherwin-Williams DesignHouse for Performance Coatings.

### Prefinished Stains



### Painted Fiberglass



Steel panels are available primed or painted white.

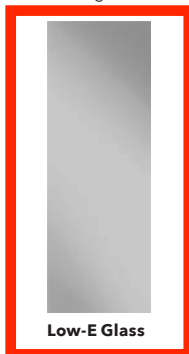
## Glass

### Glass

Low-E insulating glass is available on a broad range of glazed entry doors. It provides thermal protection for exceptional energy efficiency, insulating from both heat and cold – making it a great choice for all climates. Decorative and impact-resistant glass options are available.

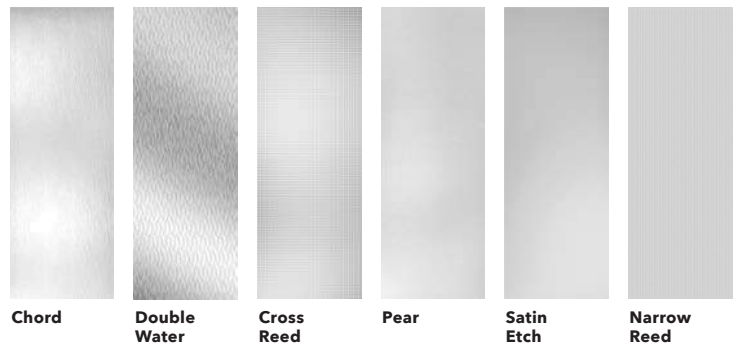
#### Low-E Glass

Energy-saving Low-E insulating glass is a simple, elegant option that helps protect flooring and furniture from fade damage.



#### Low-E Obscure Glass

An elegant way to add privacy, Pella's obscure glass patterns provide unique design simplicity.



## Added Peace of Mind

### Integrated Security Sensors

Integrated wireless security sensors maintain aesthetics, streamline security installation and ensure no warranty loss is caused by post-installation drilling. Sensors can be monitored via the free Pella® Insynctive® mobile app and are compatible with major security panel systems.\* For more information, go to [connectpella.com](http://connectpella.com).

\* Requires the Pella Insynctive App on a smart device, an Insynctive Bridge and a wireless home internet router with internet connection.



# Entry Door Hardware

## Entry Door Hardware

Pella offers four stunning collections to complement your project's style, architecture and coordinating window hardware. Classic, rustic and modern collections created in partnership with Baldwin® the #1 premium hardware brand.

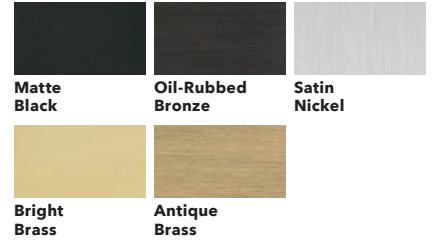
### Classic Hardware Collection

BALDWIN

Choose timeless pieces from the Classic Collection for a look that will never go out of style.



Finishes:



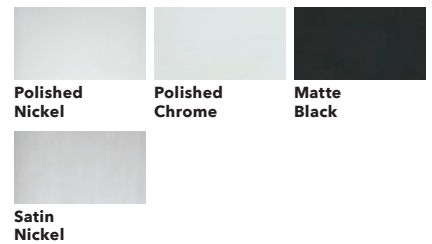
### Modern Hardware Collection

BALDWIN

Achieve the ultimate contemporary look with the sleek finishes of Modern hardware.



Finishes:



### Rustic Hardware Collection

BALDWIN

Stand out with bold looks from the Rustic Collection, and create an utterly unique aesthetic.



Finishes:



### Essential Hardware Collection

BALDWIN

Elevate your style and transform your home with an elegant selection of Essential hardware.



Finishes:



\* Availability by product style and line may vary. See your local Pella sales representative for details.

Home > All Products > Fluted Pilaster with Moulded Plinth



## Fluted Pilaster with Moulded Plinth

PIL11X90

★★★★★ (0) [Write a review](#) [Ask a question](#)

WIDTH:

HEIGHT:

11" 

90" 

QUANTITY:

- 1 +

**\$312.88**

[FIND A DEALER](#)

[BUY NOW](#)





Home > All Products > Crown E-Vent Systems > Moulding (Massive Crown E-Vent System)



## Moulding (Massive Crown E-Vent System)

EV580

★★★★★ (0) [Write a review](#) [Ask a question](#)

LENGTH:	HEIGHT:	PROJECTION:
<input type="text" value="144"/>	<input type="text" value="14 3/4"/>	<input type="text" value="9"/>

QUANTITY:

-	1	+
---	---	---

**\$477.92**

[FIND A DEALER](#)

[BUY NOW](#)



Home > All Products > Crossheads & Pediments > 9" Classic Crosshead



### 9" Classic Crosshead

WCH100X9

★★★★★ (0) Write a review Ask a question

BREASTBOARD WIDTH: HEIGHT:

100" ▾

9" ▾

QUANTITY:

- 1 +

**\$244.14**

FIND A DEALER

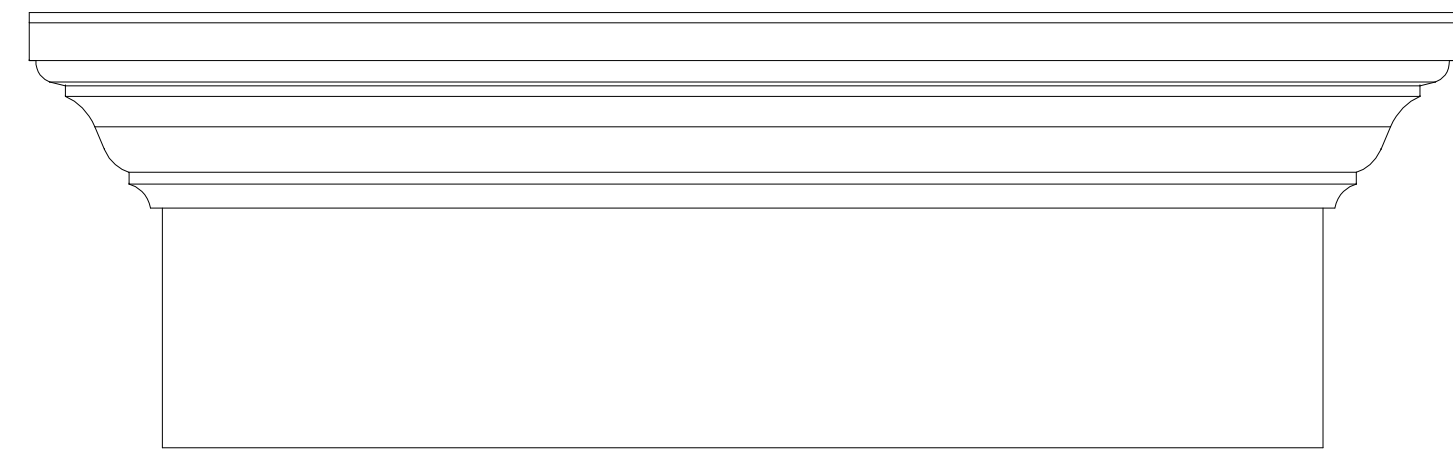
BUY NOW



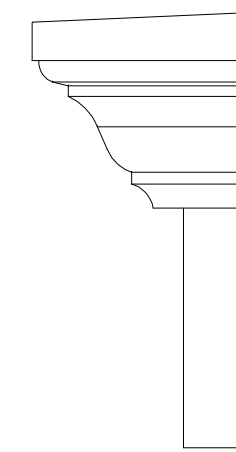


# 9" CROSSHEADS

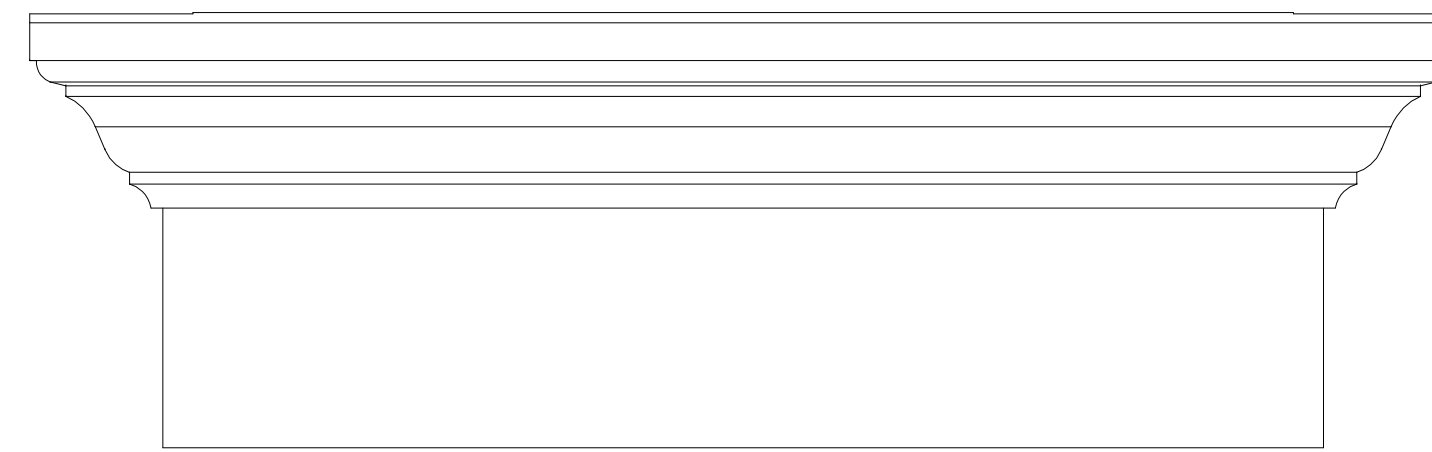
REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ER18-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16, CHANGED ALL DIMENTIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ



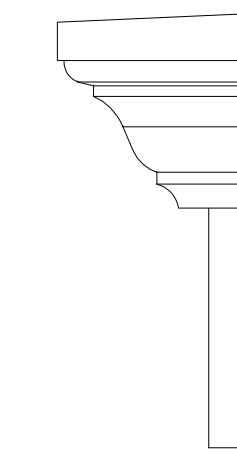
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1:4



1:4



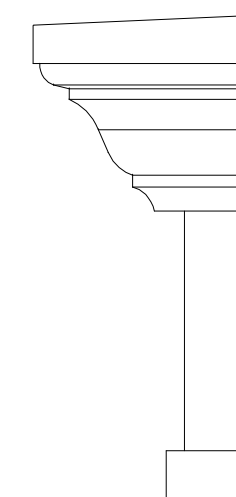
ROUTED  
1:4



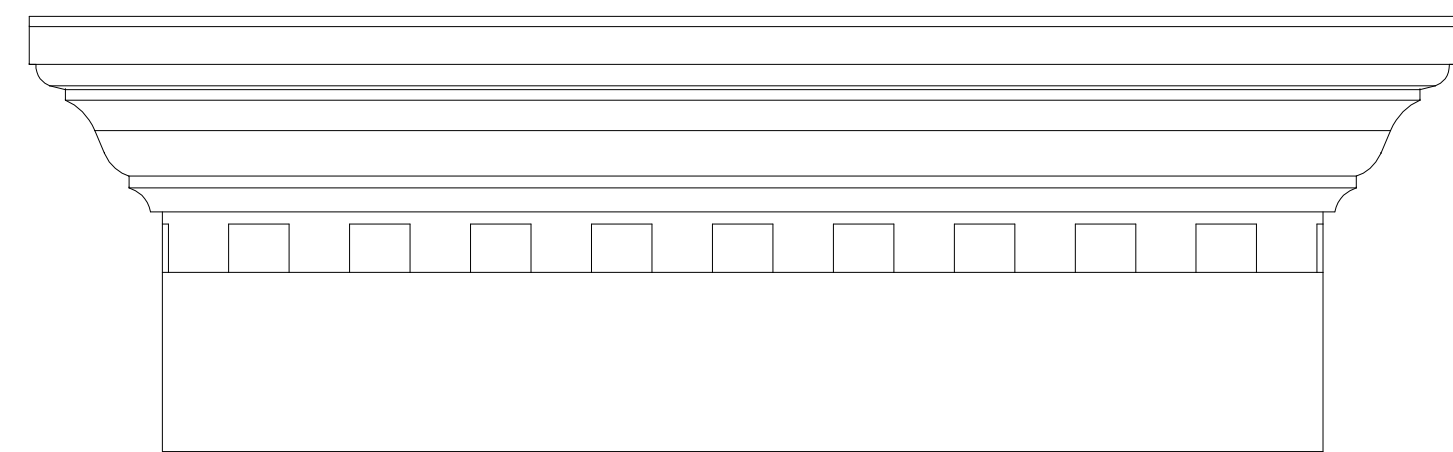
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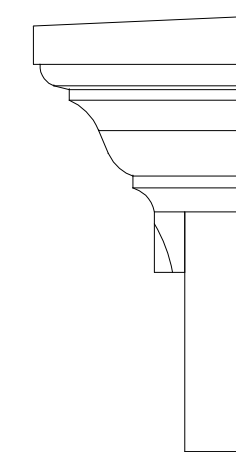
BOTTOM TRIM  
1:4



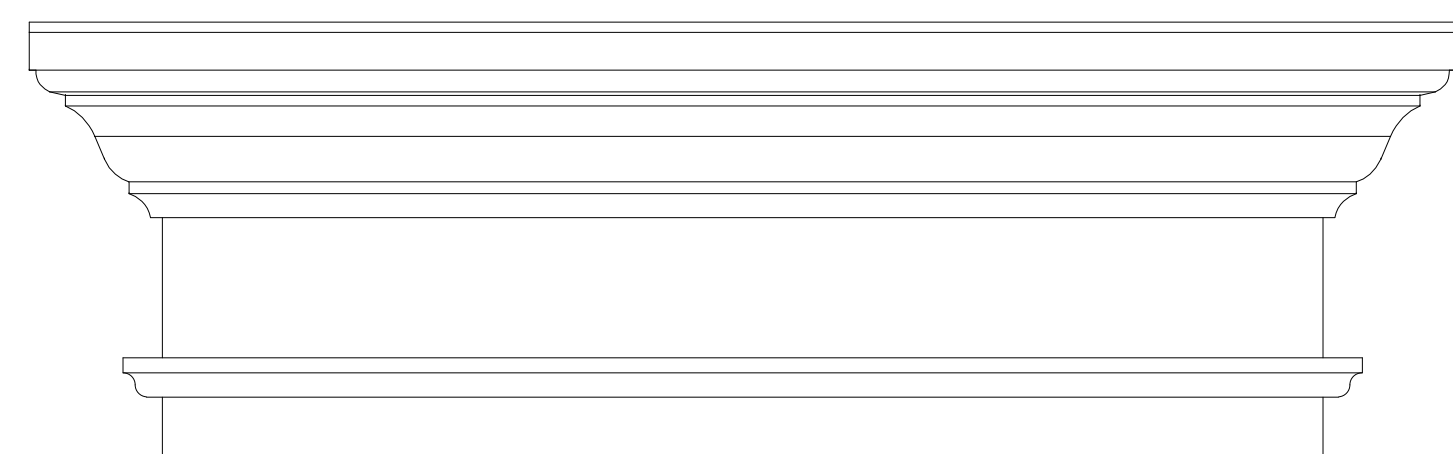
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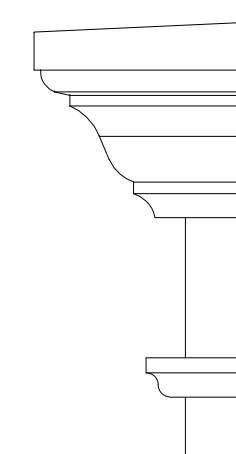
DENTIL TRIM  
1:4



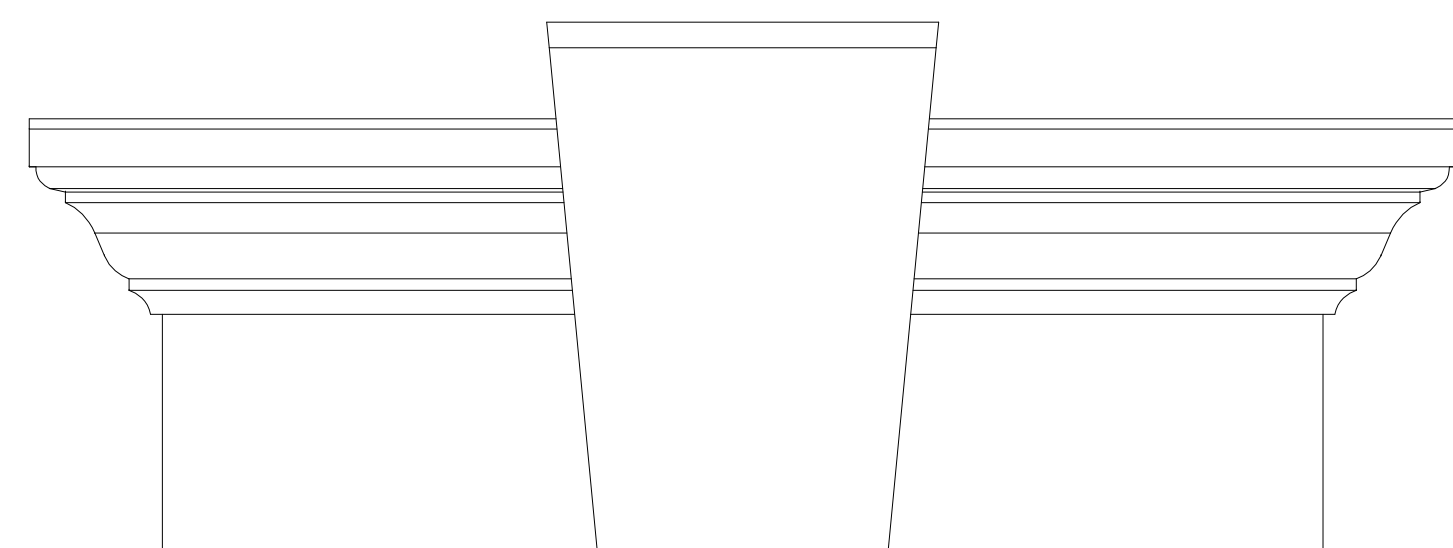
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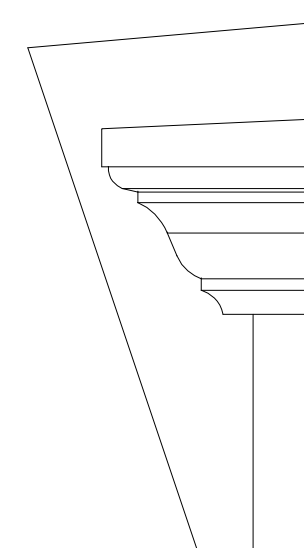
TRIM STRIP  
1:4



1:4



KEYSTONE  
1:4



1:4

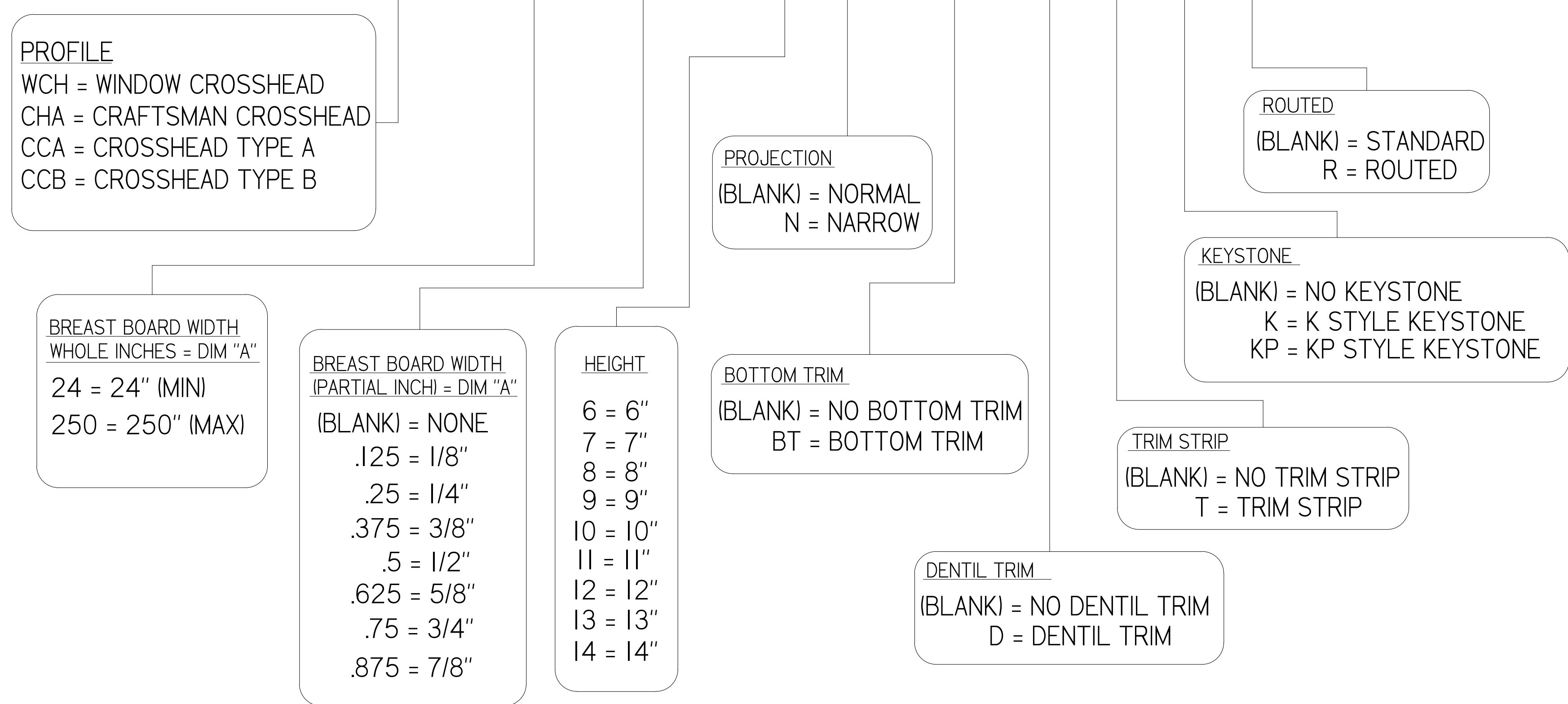
TABLE OF CONTENTS		SHEET NUMBER
PAGE	TITLE	
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9"	CROSSHEAD PART NUMBER LOGIC	2
9"	STANDARD CROSSHEAD	3
9"	CROSSHEADS WITH BOTTOM TRIM	4
9"	CROSSHEADS WITH DENTIL TRIM	5
9"	CROSSHEADS WITH TRIM STRIP	6
9"	CROSSHEADS WITH KEYSTONE	7
9"	CROSSHEAD ROUTER PROCESSING DETAILS	8

- NOTES:
- MATERIAL CLOSED CELL POLYURETHANE PER MS0072.
  - PARTS ARE TO BE PRIMED WITH SHERWIN-WILLIAMS PRIMER E60WJ0541-300D3 OR EQUIVALENT.
  - RED DASHED LINES INDICATE SURFACES WHERE PRIMER IS OPTIONAL.
  - REFERENCE MATH DATA FOR ALL UNDIMENSIONED FEATURES.
  - MATERIAL SAVER TO BE USED IN THIS AREA. MUST MAINTAIN .750" MINIMUM MATERIAL THICKNESS THROUGHOUT PART.
  - PART TABLES CONTAIN STOCK CROSSHEADS. FOR ALL OTHERS, REFER TO PART NUMBER LOGIC AND DETAIL VIEWS FOR REQUIRED DIMENSIONAL INFORMATION.
  - REFER TO SHEET 3 FOR DIMENSIONS OF STANDARD CROSSHEAD PROFILE.
  - FOR NON-STOCK/FABRICATED PARTS, BOTTOM TRIM CONTROLLED BY P/N MLD716-12 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, DENTIL TRIM CONTROLLED BY P/N MLD304-5 OR MLD304-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, TRIM STRIP CONTROLLED BY P/N MLD602-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, KEYSTONE CONTROLLED BY DRAWING D3531A AND IS ADDED TO A STANDARD CROSSHEAD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
<p>DECIMAL .XX = ± .09 .XXX = ± .063</p> <p>FRACTIONAL ± 1/16</p> <p>ANGULAR ± 1°</p>	<p>TITLE <b>9 INCH CROSSHEAD</b></p>	
<p>SIZE D</p> <p>QUOTED ITEM NUMBER</p> <p>DRWG NO.</p> <p>REV B</p>	<p>SCALE NTS</p> <p>DO NOT SCALE DRAWING</p> <p>SHEET 1 OF 8</p> <p>UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES</p>	

# 9" CROSSHEAD PART NUMBER LOGIC

## WCH24.5X6NBTDTKR



REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ER18-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16, CHANGED ALL DIMENTIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ

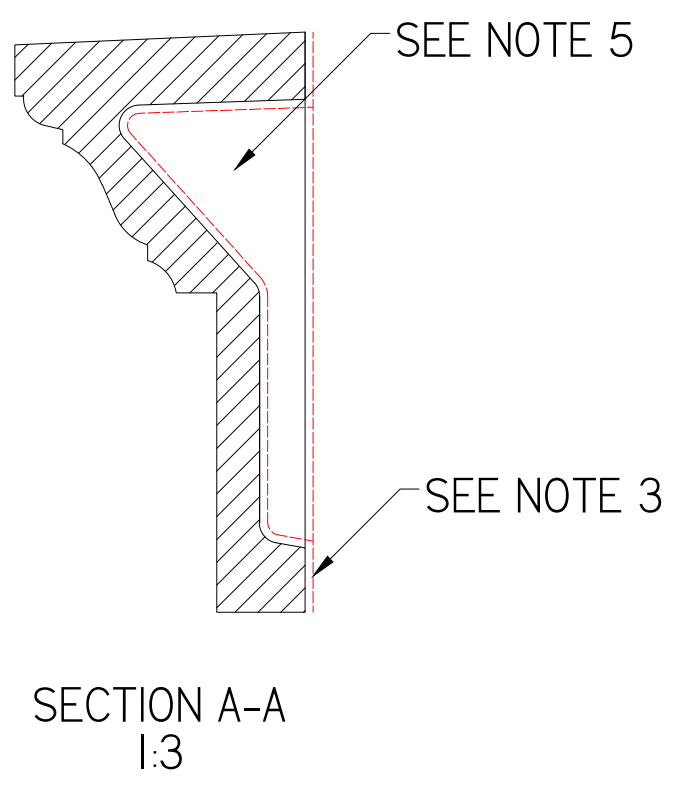
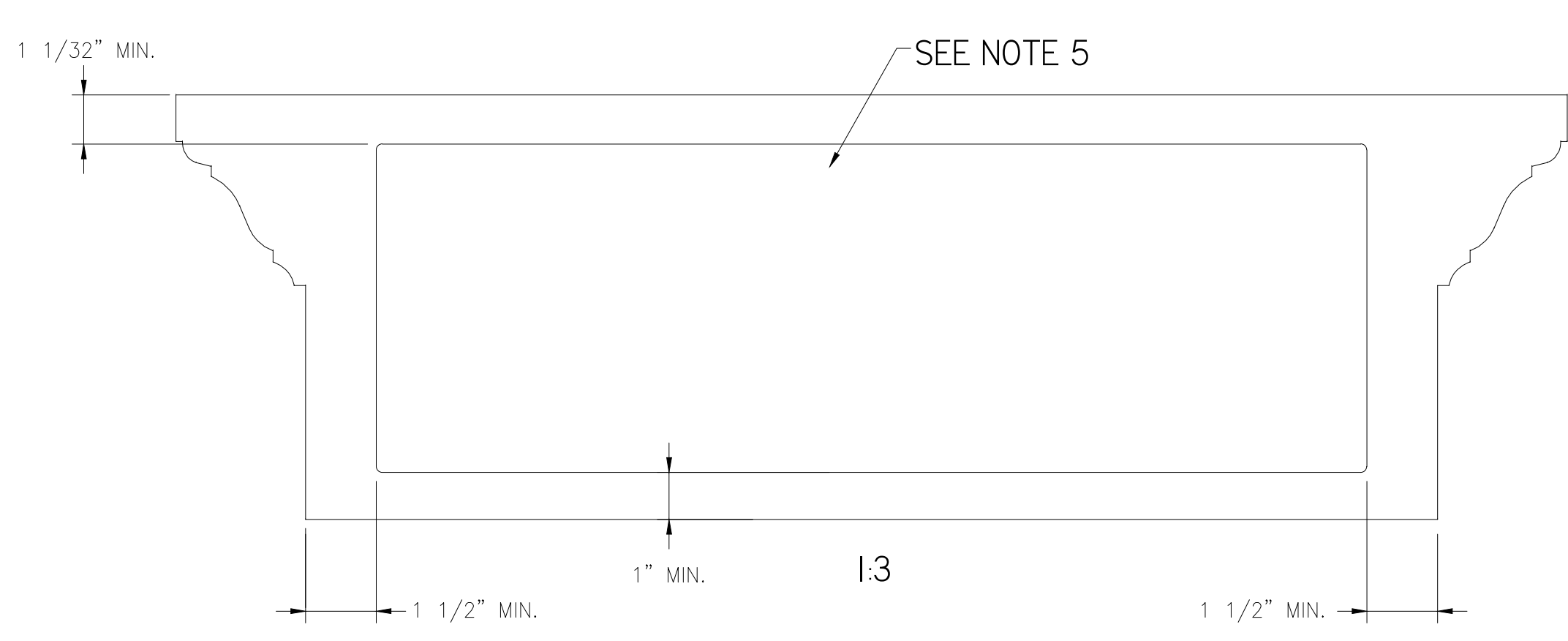
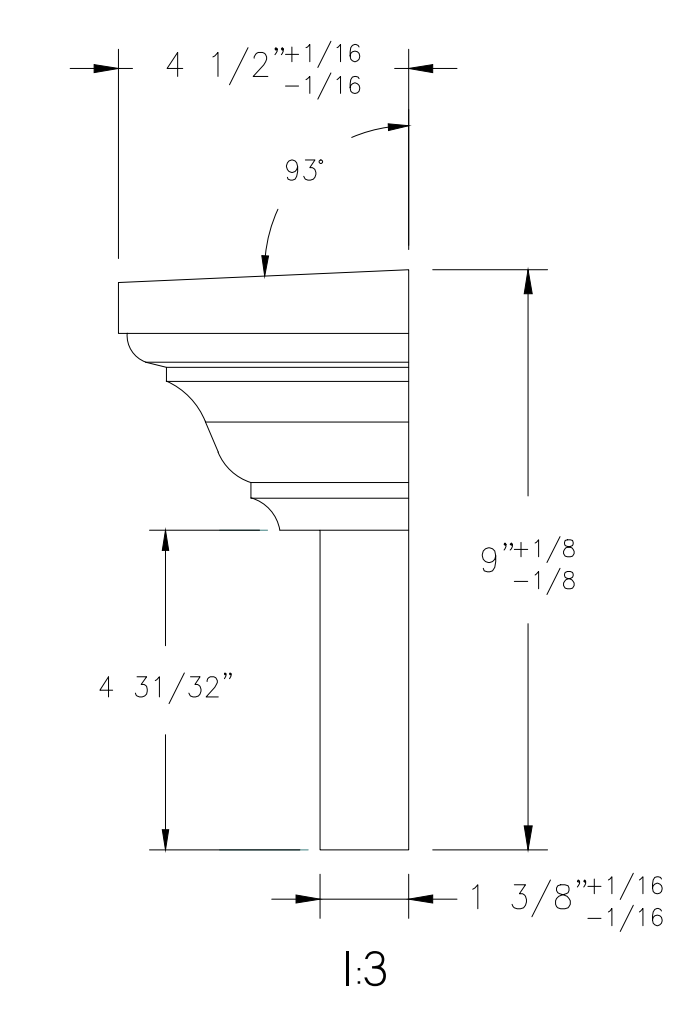
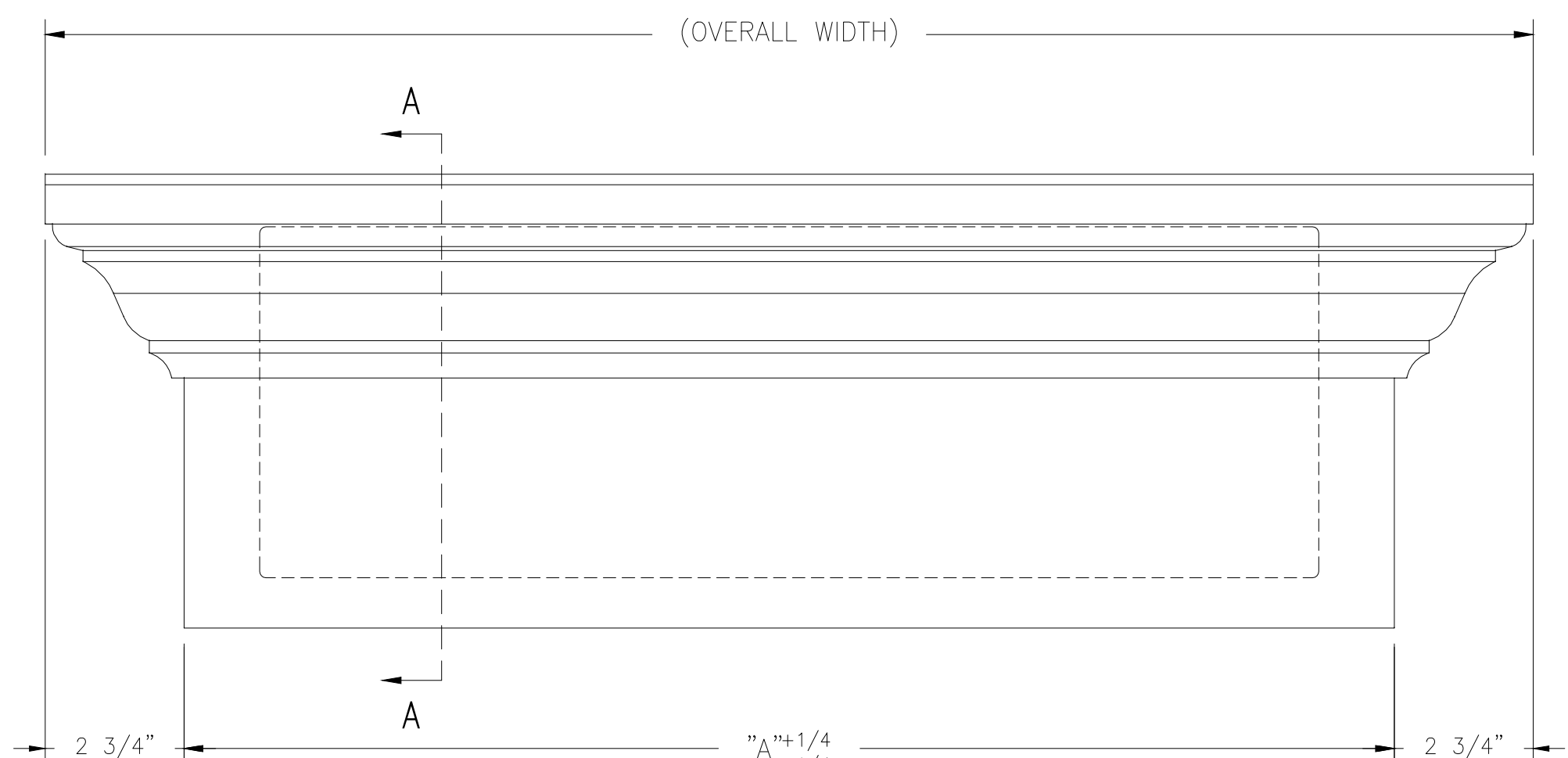
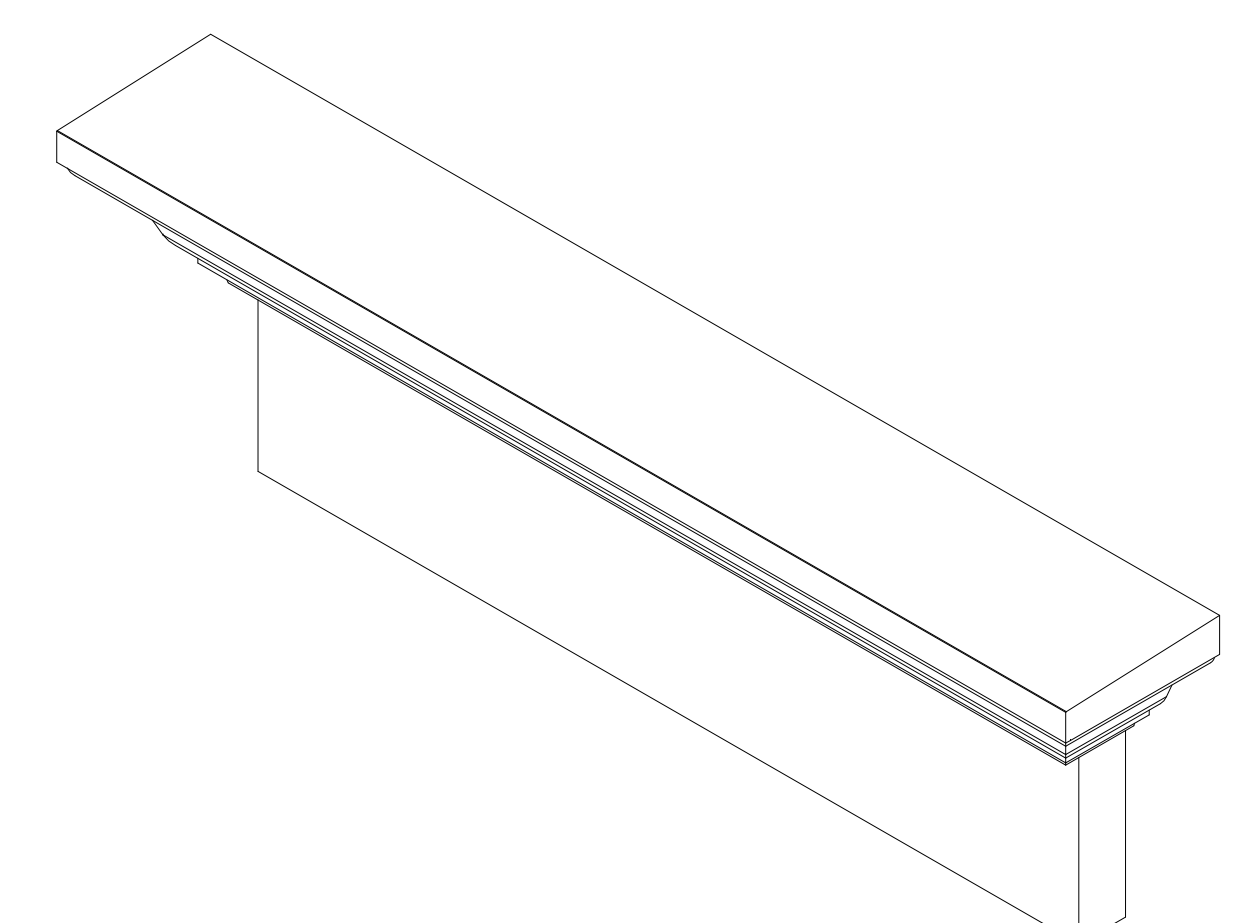
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
<b>DECIMAL</b> .XX = ± .09 .XXX = ± .063		<b>TITLE</b> 9 INCH CROSSHEAD	
<b>FRACTIONAL</b> ± 1/16	<b>SIZE D</b>	QUOTED ITEM NUMBER DRAWN BY H. LOPEZ	DRWG NO. DATE 08/30/18
<b>ANGULAR</b> ± 1°	SCALE NTS	CHECKED BY	SHEET 2 OF 8
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES			



# 9" STANDARD CROSSHEADS

REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ERI8-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16, CHANGED ALL DIMENSIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ



- NOTES:
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  - PARTS ARE TO BE PRIMED WITH SHERWIN-WILLIAMS PRIMER E60WJ0541-300D3 OR EQUIVALENT.
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  - FOR NON-STOCK/FABRICATED PARTS, TRIM STRIP CONTROLLED BY PIN MLD602-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, KEYSTONE CONTROLLED BY DRAWING D3531A AND IS ADDED TO A STANDARD CROSSHEAD.

9" STANDARD CROSSHEADS		
PART NUMBER	WIDTH "A"	OVERALL WIDTH
WCH20X9	20"	25-1/2"
WCH24X9	24"	29-1/2"
WCH25X9	25"	30-1/2"
WCH26X9	26"	31-1/2"
WCH27X9	27"	32-1/2"
WCH28X9	28"	33-1/2"
WCH29X9	29"	34-1/2"
WCH30X9	30"	35-1/2"
WCH32X9	32"	37-1/2"
WCH33X9	33"	38-1/2"
WCH34X9	34"	39-1/2"
WCH35X9	35"	40-1/2"
WCH36X9	36"	41-1/2"
WCH37X9	37"	42-1/2"
WCH38X9	38"	43-1/2"
WCH40X9	40"	45-1/2"
WCH41X9	41"	46-1/2"
WCH42X9	42"	47-1/2"
WCH43X9	43"	48-1/2"
WCH44X9	44"	49-1/2"
WCH45X9	45"	50-1/2"
WCH46X9	46"	51-1/2"
WCH48X9	48"	53-1/2"
WCH49X9	49"	54-1/2"

9" STANDARD CROSSHEADS		
PART NUMBER	WIDTH "A"	OVERALL WIDTH
WCH50X9	50"	55-1/2"
WCH54X9	54"	59-1/2"
WCH56X9	56"	61-1/2"
WCH58X9	58"	63-1/2"
WCH60X9	60"	65-1/2"
WCH62X9	62"	67-1/2"
WCH64X9	64"	69-1/2"
WCH65X9	65"	70-1/2"
WCH66X9	66"	71-1/2"
WCH67X9	67"	72-1/2"
WCH68X9	68"	73-1/2"
WCH69X9	69"	74-1/2"
WCH70X9	70"	75-1/2"
WCH72X9	72"	77-1/2"
WCH73X9	73"	78-1/2"
WCH74X9	74"	79-1/2"
WCH75X9	75"	80-1/2"
WCH76X9	76"	81-1/2"
WCH77X9	77"	82-1/2"
WCH78X9	78"	83-1/2"
WCH80X9	80"	85-1/2"
WCH81X9	81"	86-1/2"
WCH82X9	82"	87-1/2"
WCH84X9	84"	89-1/2"

9" STANDARD CROSSHEADS		
PART NUMBER	WIDTH "A"	OVERALL WIDTH
WCH85X9	85"	90-1/2"
WCH86X9	86"	91-1/2"
WCH88X9	88"	93-1/2"
WCH90X9	90"	95-1/2"
WCH100X9	100"	105-1/2"
WCH101X9	101"	106-1/2"
WCH103X9	103"	108-1/2"
WCH104X9	104"	109-1/2"
WCH108X9	108"	113-1/2"
WCH110X9	110"	115-1/2"
WCH112X9	112"	117-1/2"
WCH113X9	113"	118-1/2"
WCH120X9	120"	125-1/2"
WCH124X9	124"	129-1/2"
WCH144X9	144"	149-1/2"
WCH192X9	192"	197-1/2"
WCH196X9	196"	201-1/2"
WCH197X9	197"	202-1/2"
WCH200X9	200"	205-1/2"
WCH204X9	204"	209-1/2"
WCH207X9	207"	212-1/2"

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL  
.XX = ± .09  
.XXX = ± .063

FRACTIONAL  
± 1/16

ANGULAR  
± 1°

**FYRON**

9 INCH CROSSHEAD

SIZE D QUOTED ITEM NUMBER DRWG NO. REV B

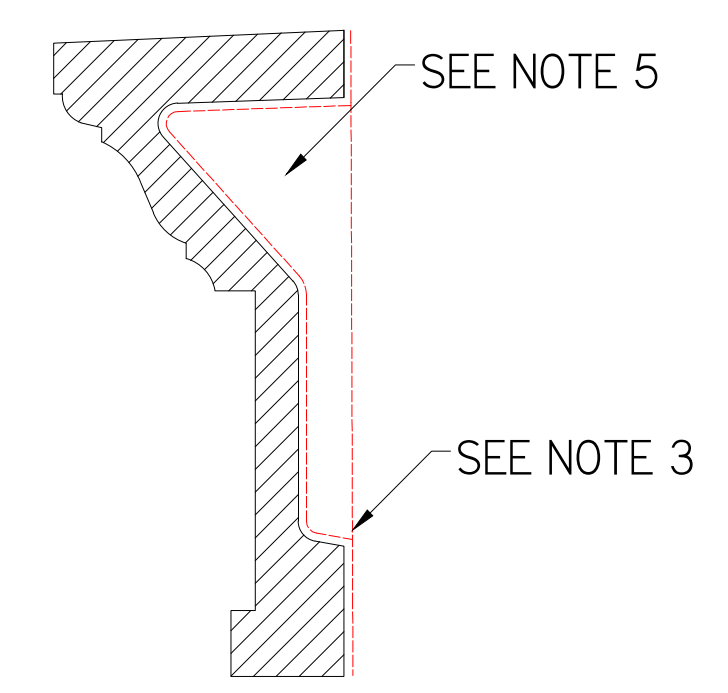
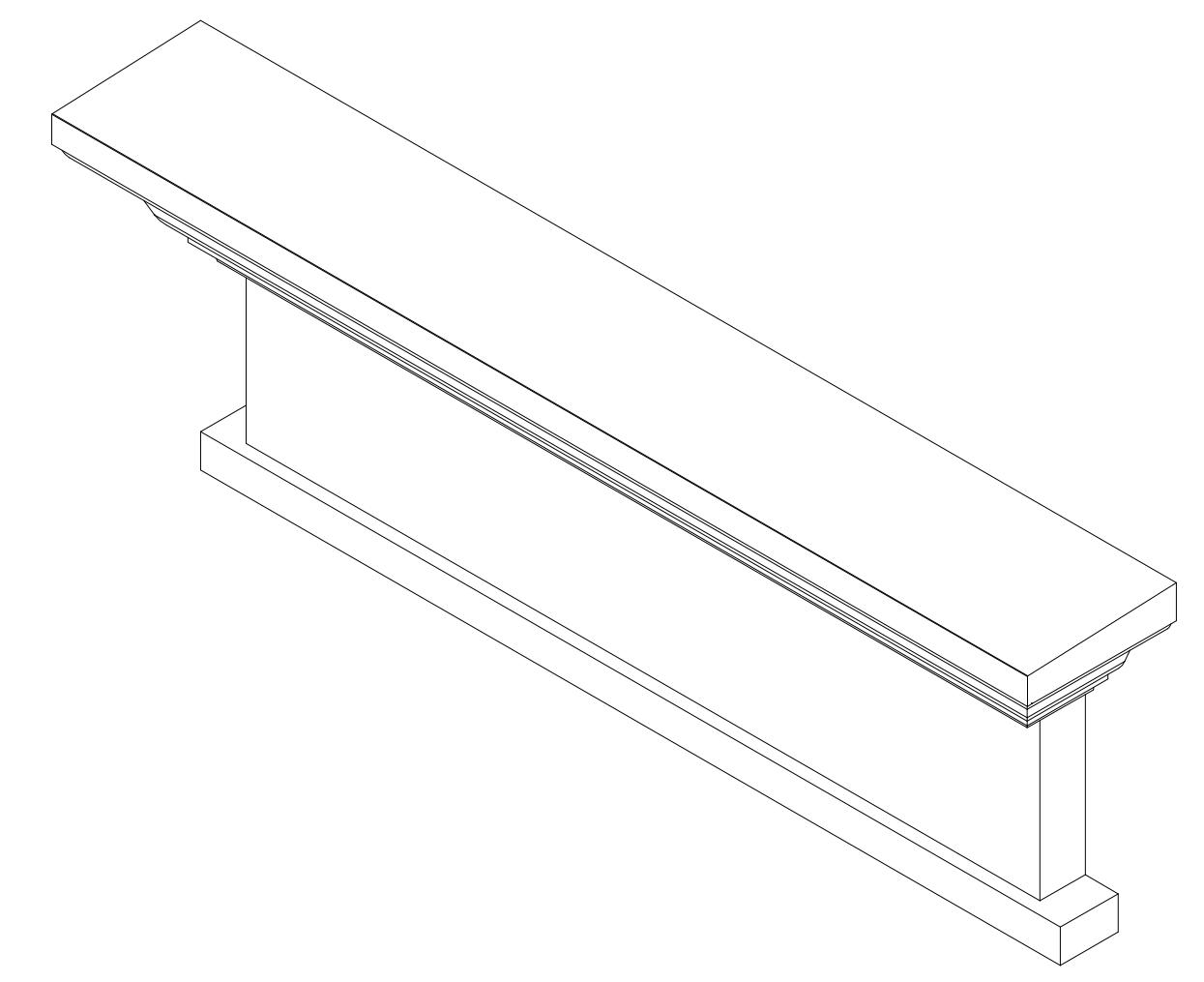
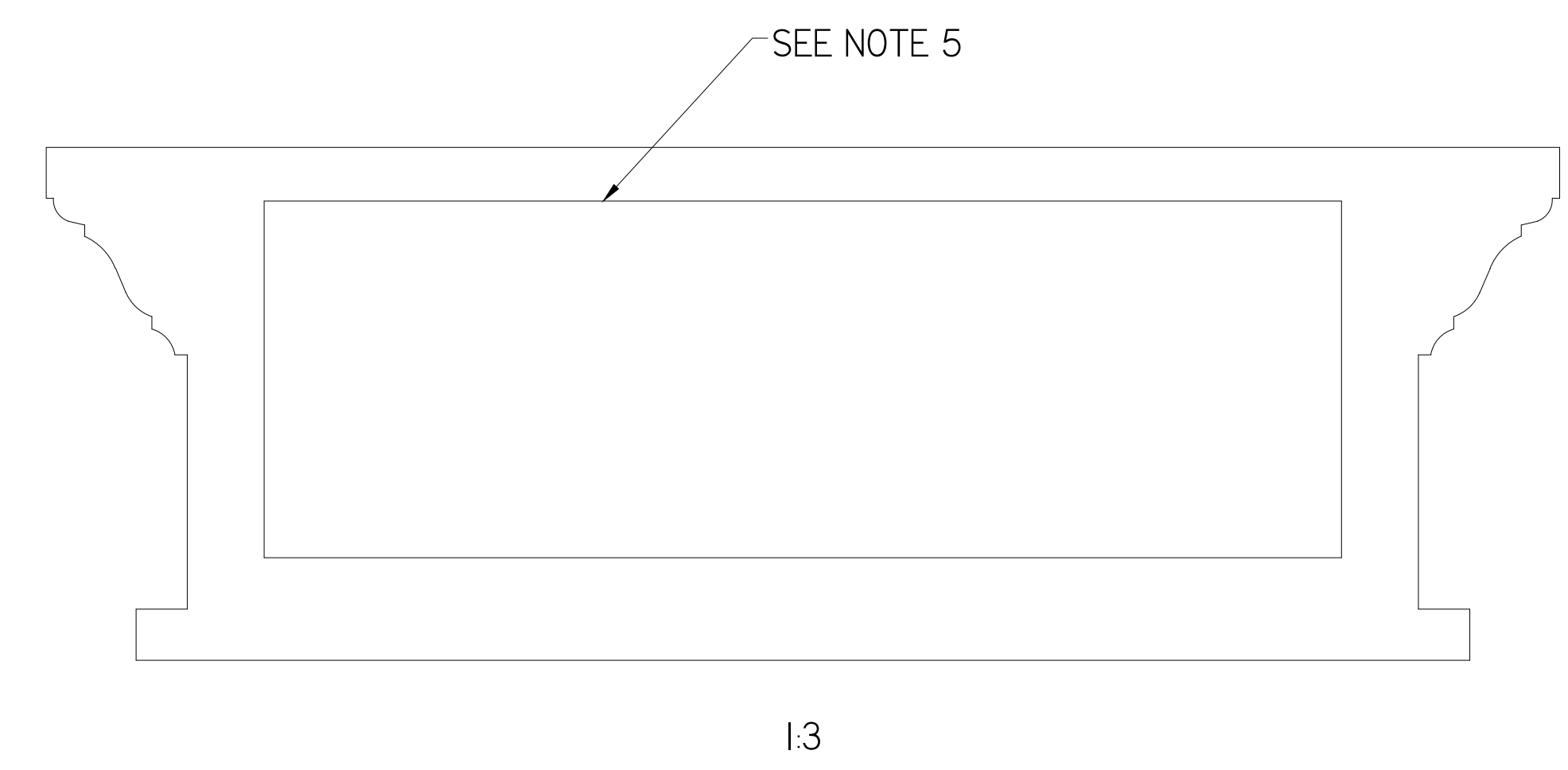
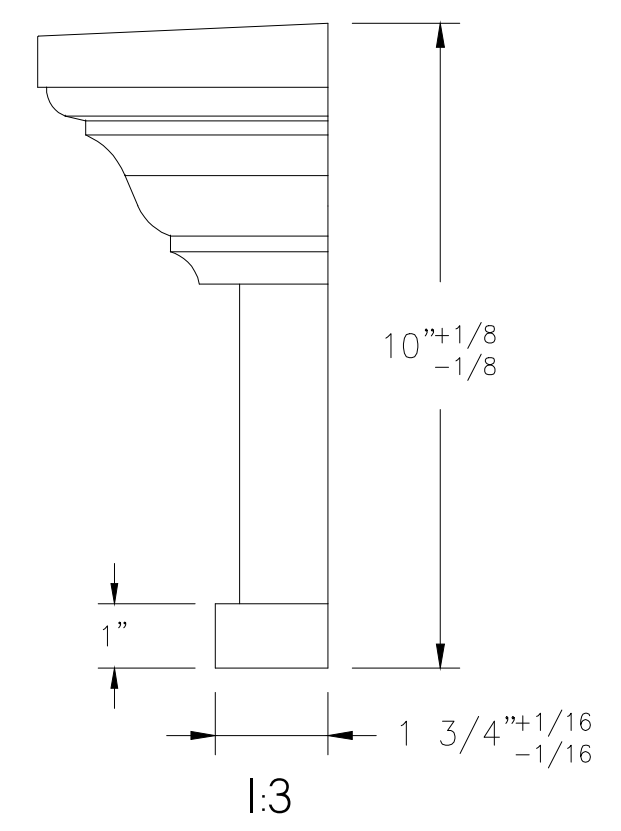
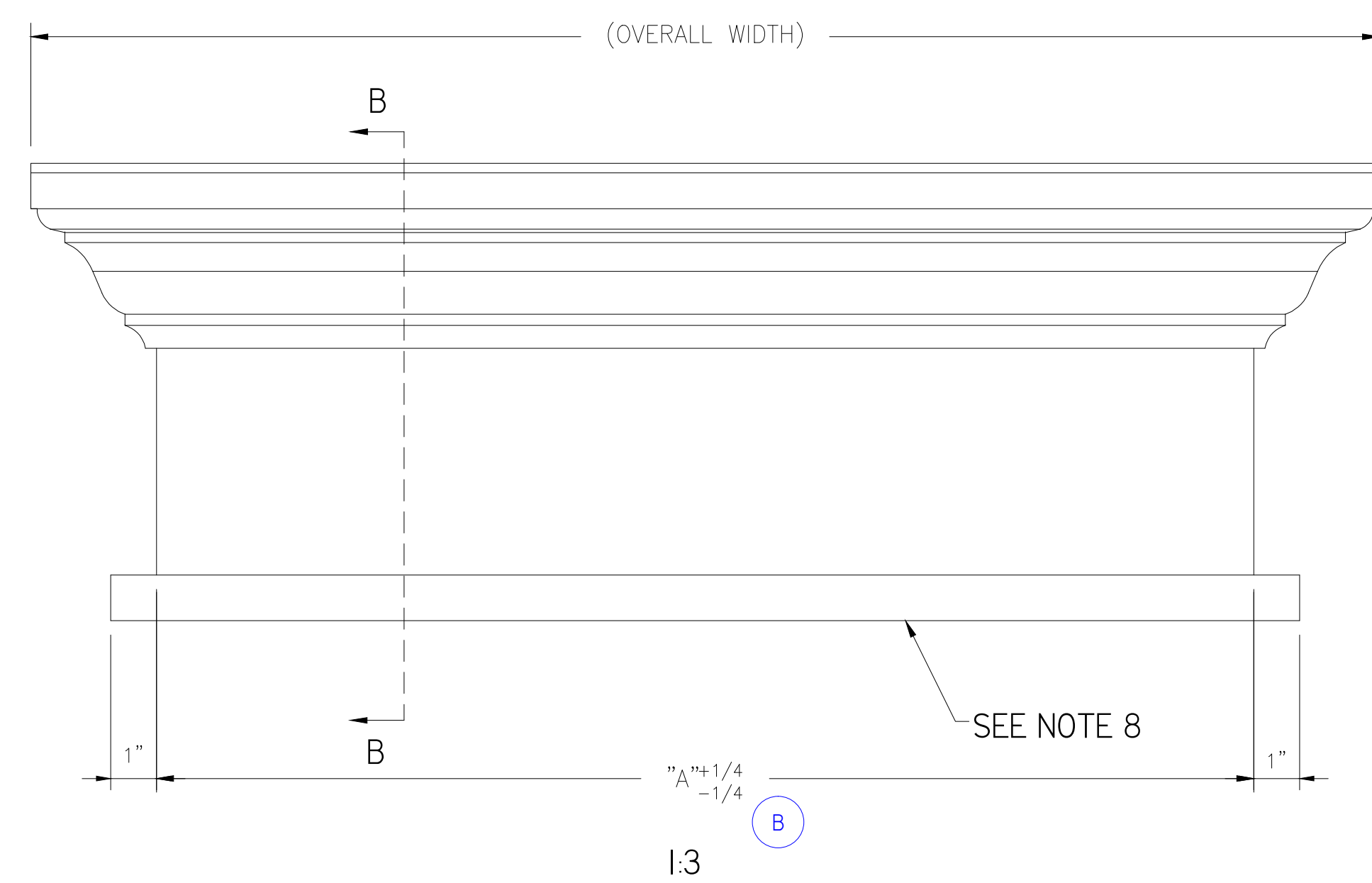
DRAWN BY H. LOPEZ DATE 08/30/18 CHECKED BY CHECKED BY

SCALE NTS DO NOT SCALE DRAWING SHEET 3 OF 8

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

# 9" CROSSHEADS WITH BOTTOM TRIM

REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ERI8-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16, CHANGED ALL DIMENSIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ



9" CROSSHEADS WITH BOTTOM TRIM		
PART NUMBER	WIDTH "A"	OVERALL WIDTH
WCH54X10BT	54"	59-1/2"
WCH56X10BT	56"	61-1/2"
WCH60X10BT	60"	65-1/2"
WCH68X10BT	68"	73-1/2"
WCH72X10BT	72"	77-1/2"
WCH76X10BT	76"	81-1/2"
WCH78X10BT	78"	83-1/2"
WCH80X10BT	80"	85-1/2"
WCH81X10BT	81"	86-1/2"
WCH84X10BT	84"	89-1/2"
WCH86X10BT	86"	91-1/2"
WCH96X10BT	96"	101-1/2"
WCH104X10BT	104"	109-1/2"
WCH108X10BT	108"	113-1/2"
WCH200X10BT	200"	205-1/2"

- NOTES
- MATERIAL CLOSED CELL POLYURETHANE PER MS0072.
  - PARTS ARE TO BE PRIMED WITH SHERWIN-WILLIAMS PRIMER E60WJ0541-300D3 OR EQUIVALENT.
  - RED DASHED LINES INDICATE SURFACES WHERE PRIMER IS OPTIONAL.
  - REFERENCE MATH DATA FOR ALL UNDIMENSIONED FEATURES.
  - MATERIAL SAVER TO BE USED IN THIS AREA. MUST MAINTAIN .750" MINIMUM MATERIAL THICKNESS THROUGHOUT PART.
  - PART TABLES CONTAIN STOCK CROSSHEADS. FOR ALL OTHERS, REFER TO PART NUMBER LOGIC AND DETAIL VIEWS FOR REQUIRED DIMENSIONAL INFORMATION.
  - REFER TO SHEET 3 FOR DIMENSIONS OF STANDARD CROSSHEAD PROFILE.
  - FOR NON-STOCK/FABRICATED PARTS, BOTTOM TRIM CONTROLLED BY PIN MLD716-12 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, DENTIL TRIM CONTROLLED BY PIN MLD304-5 OR MLD304-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, TRIM STRIP CONTROLLED BY PIN MLD602-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, KEYSTONE CONTROLLED BY DRAWING D3531A AND IS ADDED TO A STANDARD CROSSHEAD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

**DECIMAL**  
 .XX = ± .09  
 .XXX = ± .063

**FRACTIONAL**  
 ± 1/16

**ANGULAR**  
 ± 1°

**TITLE**  
 9 INCH CROSSHEAD

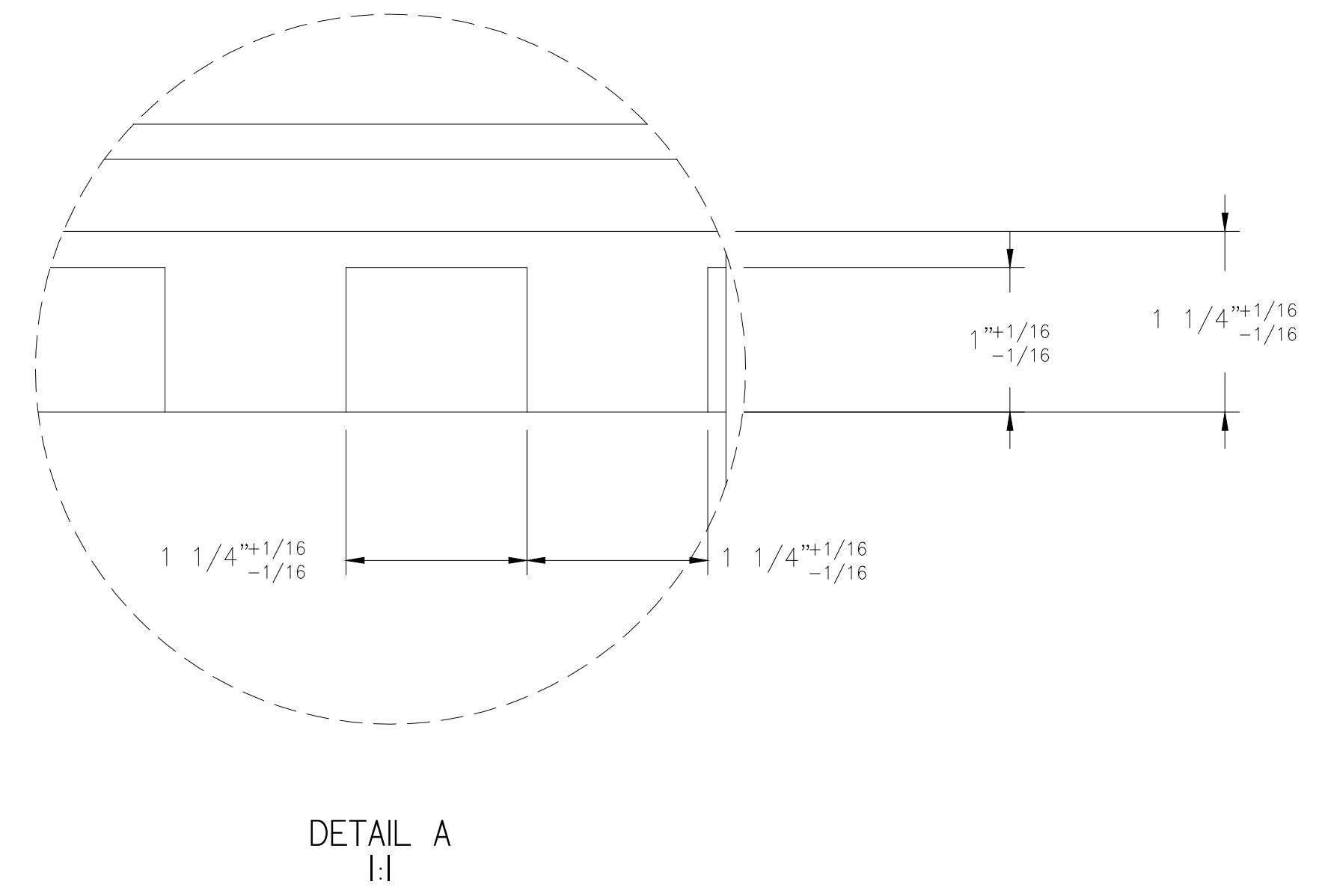
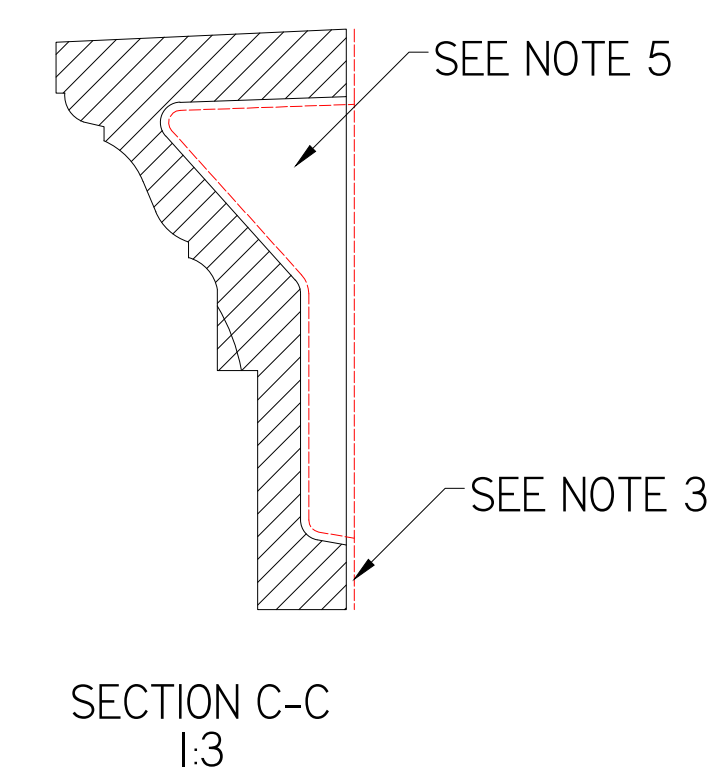
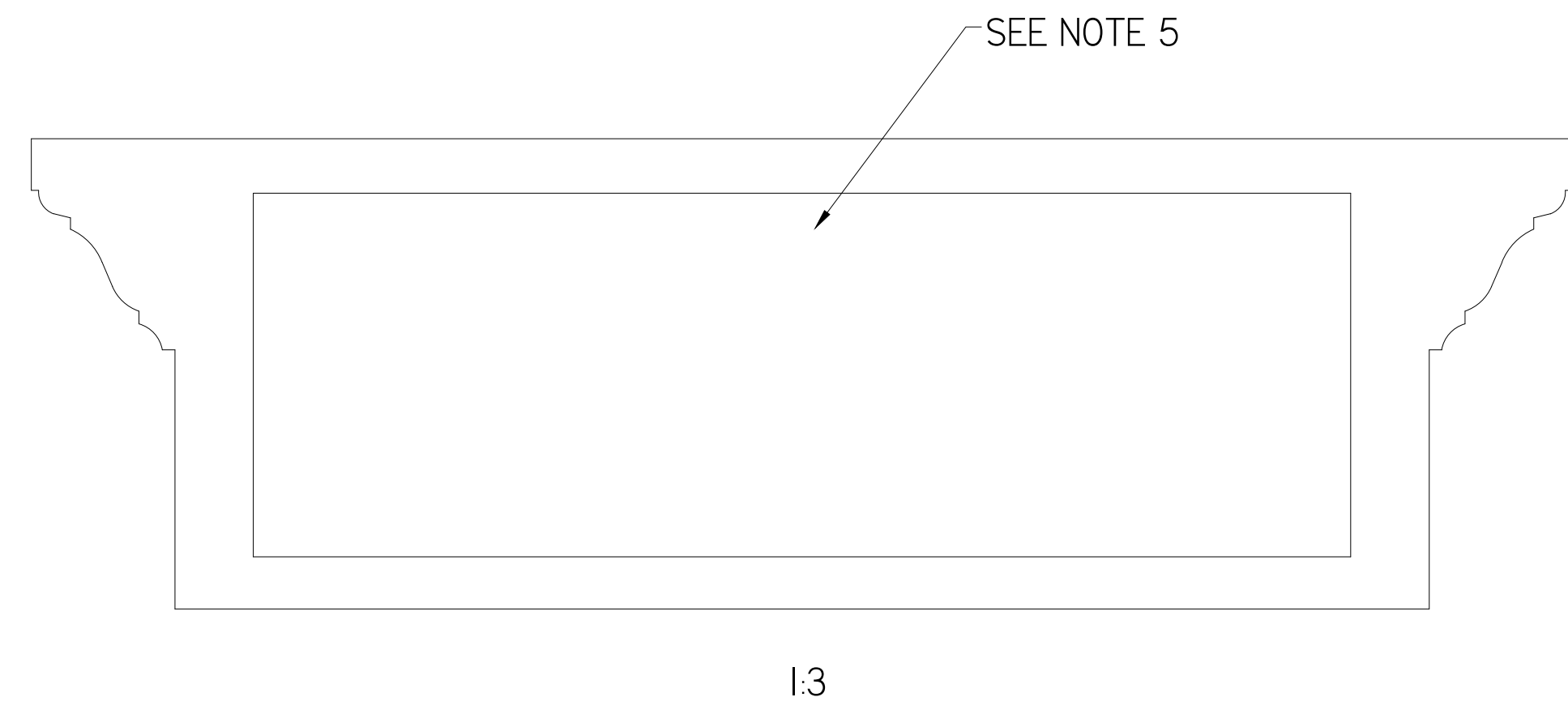
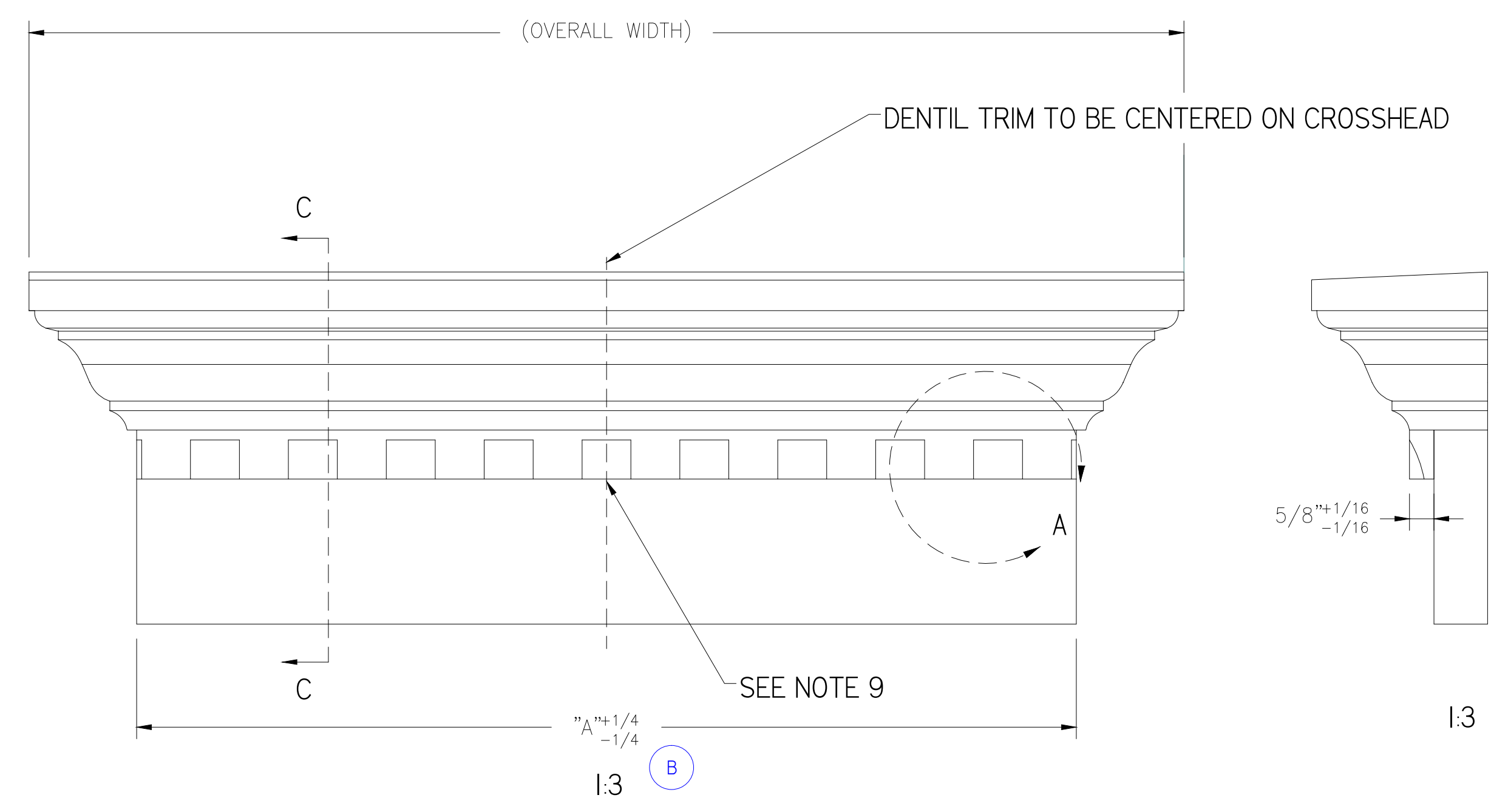
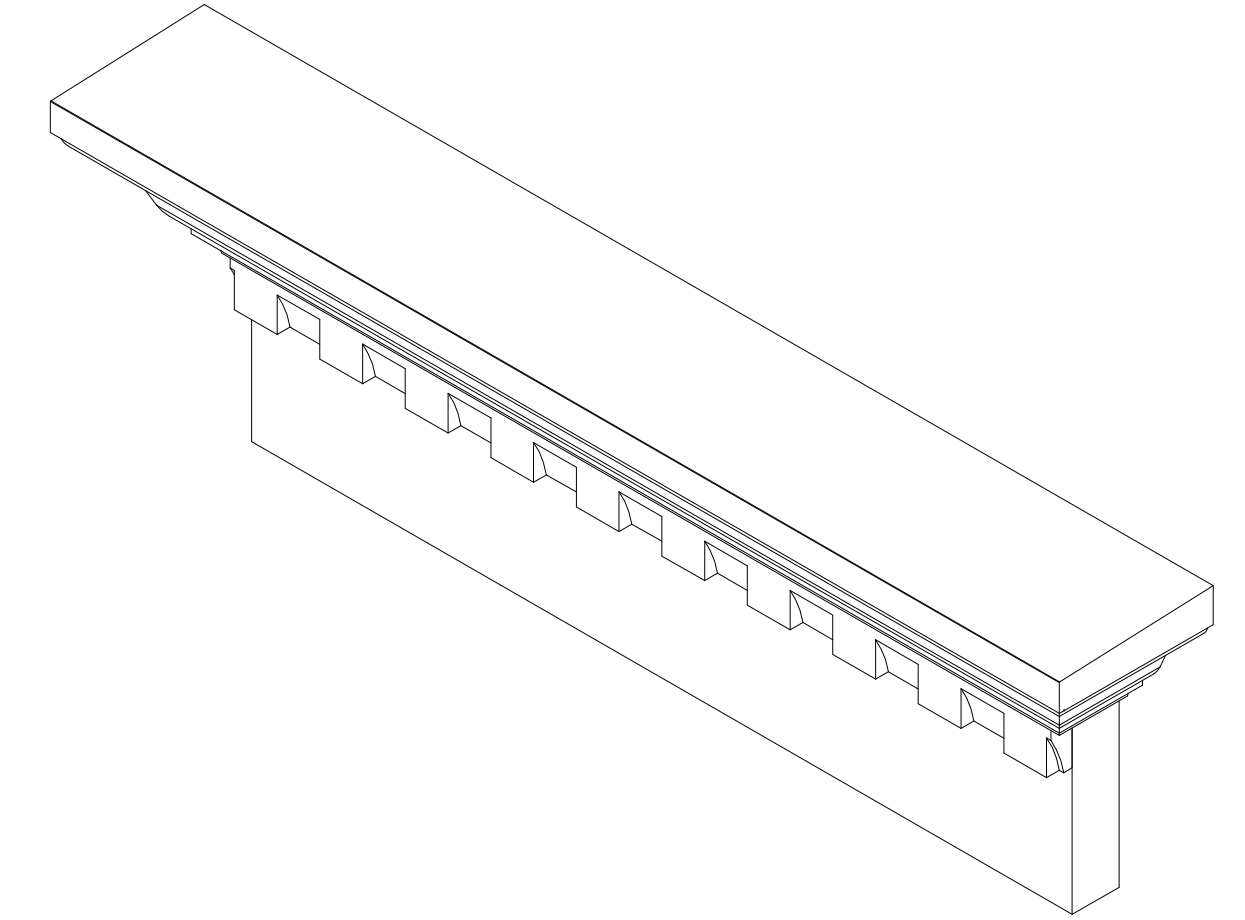
SIZE D	QUOTED ITEM NUMBER	DRWG NO.	REV B
DRAWN BY	H. LOPEZ	DATE 08/30/18	CHECKED BY
SCALE	NTS	DO NOT SCALE DRAWING	SHEET 4 OF 8

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES



# 9" CROSSHEADS WITH DENTIL TRIM

REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ERI8-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16, CHANGED ALL DIMENSIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ

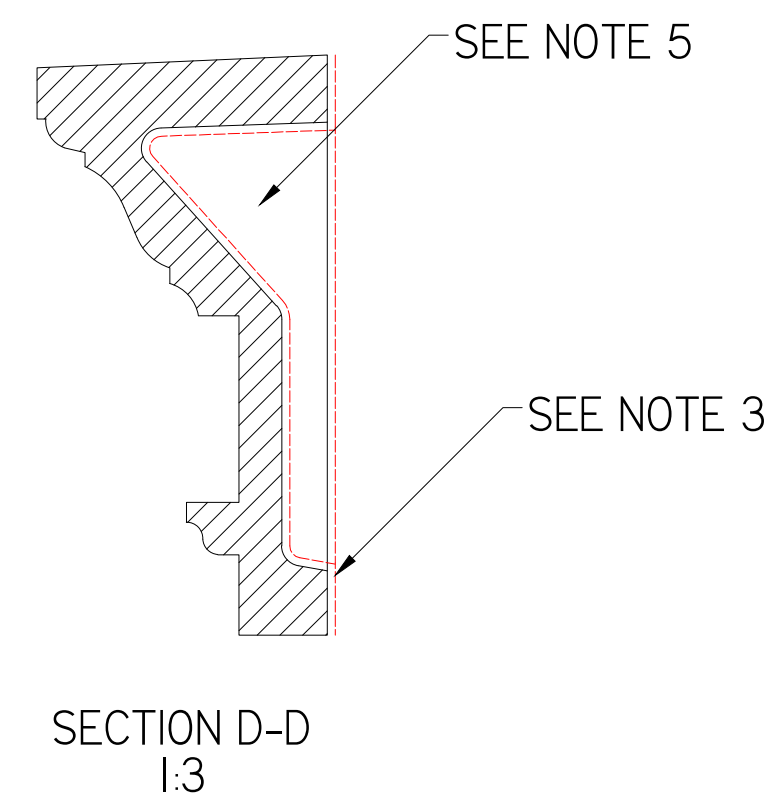
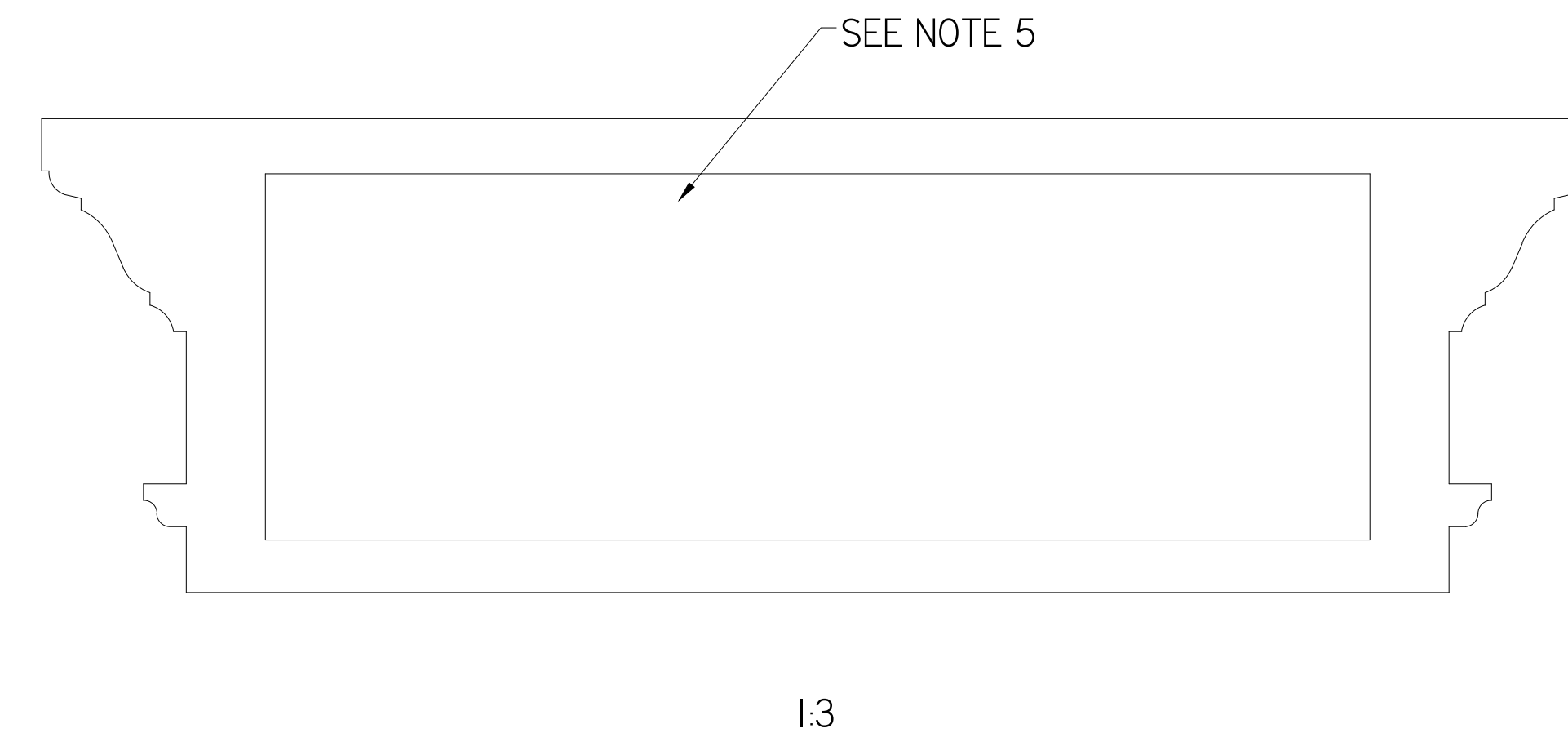
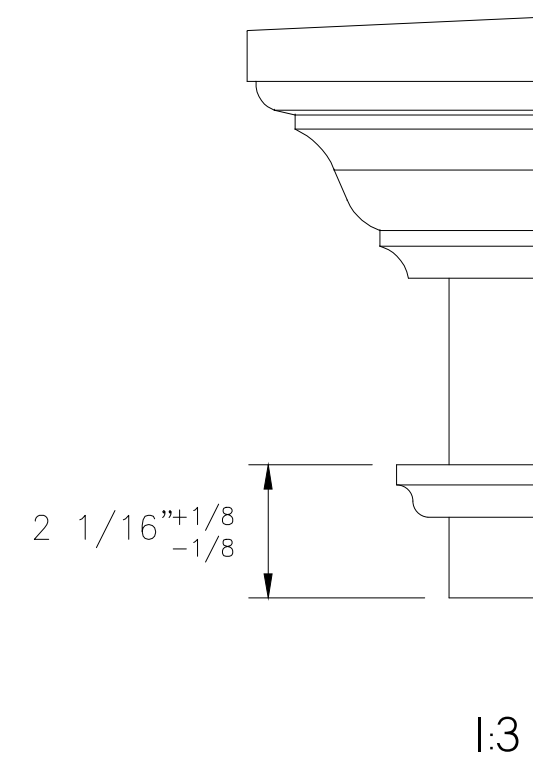
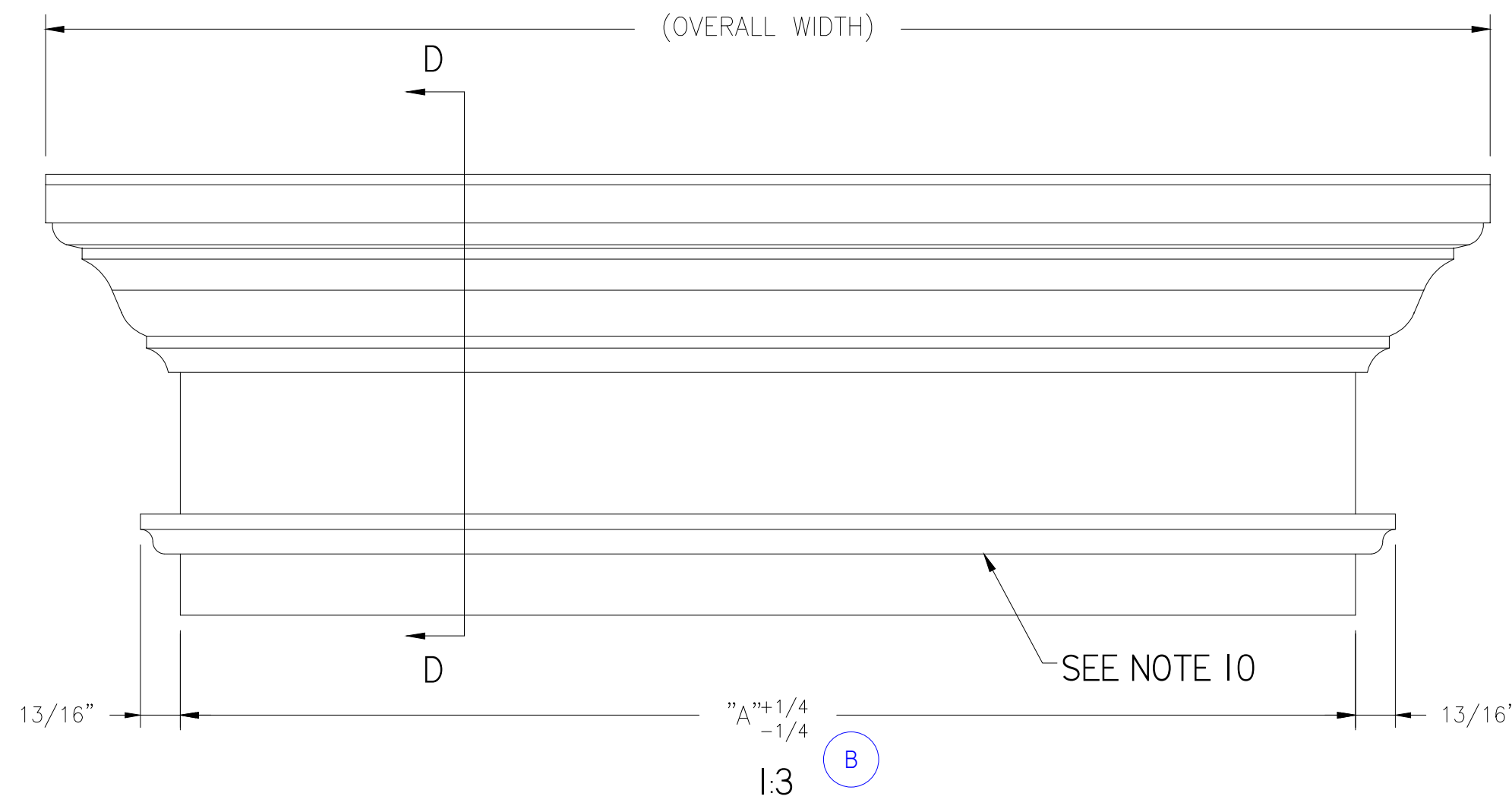
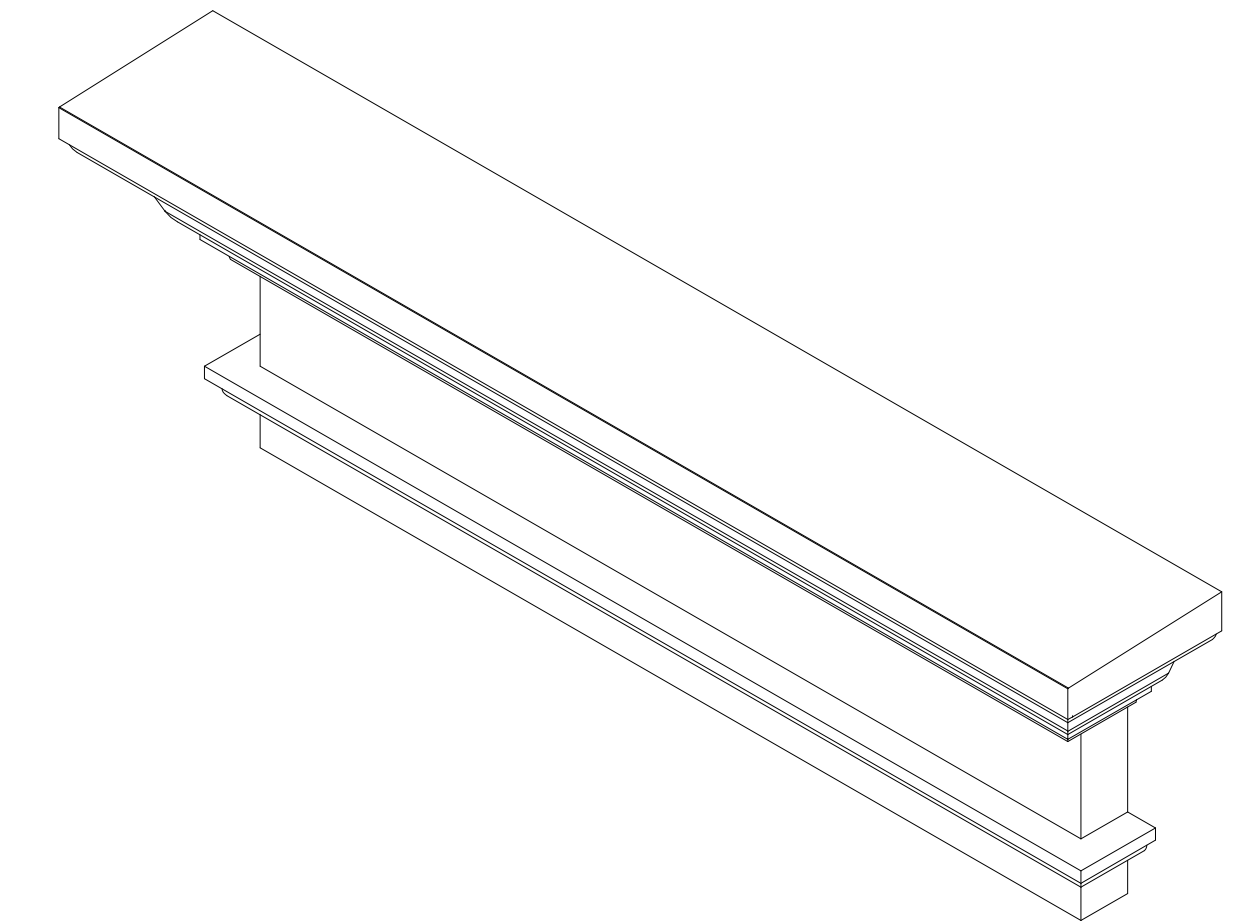


- NOTES:
1. MATERIAL CLOSED CELL POLYURETHANE PER MS0072.
  2. PARTS ARE TO BE PRIMED WITH SHERWIN-WILLIAMS PRIMER E60WJ0541-300D3 OR EQUIVALENT.
  3. RED DASHED LINES INDICATE SURFACES WHERE PRIMER IS OPTIONAL.
  4. REFERENCE MATH DATA FOR ALL UNDIMENSIONED FEATURES.
  5. MATERIAL SAVER TO BE USED IN THIS AREA. MUST MAINTAIN .750" MINIMUM MATERIAL THICKNESS THROUGHOUT PART.
  6. PART TABLES CONTAIN STOCK CROSSHEADS. FOR ALL OTHERS, REFER TO PART NUMBER LOGIC AND DETAIL VIEWS FOR REQUIRED DIMENSIONAL INFORMATION.
  7. REFER TO SHEET 3 FOR DIMENSIONS OF STANDARD CROSSHEAD PROFILE.
  8. FOR NON-STOCK/FABRICATED PARTS, BOTTOM TRIM CONTROLLED BY PIN MLD716-12 AND IS ADDED TO A STANDARD CROSSHEAD.
  9. FOR NON-STOCK/FABRICATED PARTS, DENTIL TRIM CONTROLLED BY PIN MLD304-5 OR MLD304-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  10. FOR NON-STOCK/FABRICATED PARTS, TRIM STRIP CONTROLLED BY PIN MLD602-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  11. FOR NON-STOCK/FABRICATED PARTS, KEYSTONE CONTROLLED BY DRAWING D3531A AND IS ADDED TO A STANDARD CROSSHEAD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
	<b>9 INCH CROSSHEAD</b>	
<b>DECIMAL</b> .XX = ± .09 .XXX = ± .063	TITLE <b>9 INCH CROSSHEAD</b>	SIZE <b>D</b>
<b>FRACTIONAL</b> ± 1/16	QUOTED ITEM NUMBER H.LOPEZ	DRWG NO. 08/30/18
<b>ANGULAR</b> ± 1°	DATE 08/30/18	CHECKED BY H.LOPEZ
SCALE NTS		SHEET 5 OF 8
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES		

# 9" CROSSHEADS WITH TRIM STRIP

REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ER18-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16, CHANGED ALL DIMENSIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ



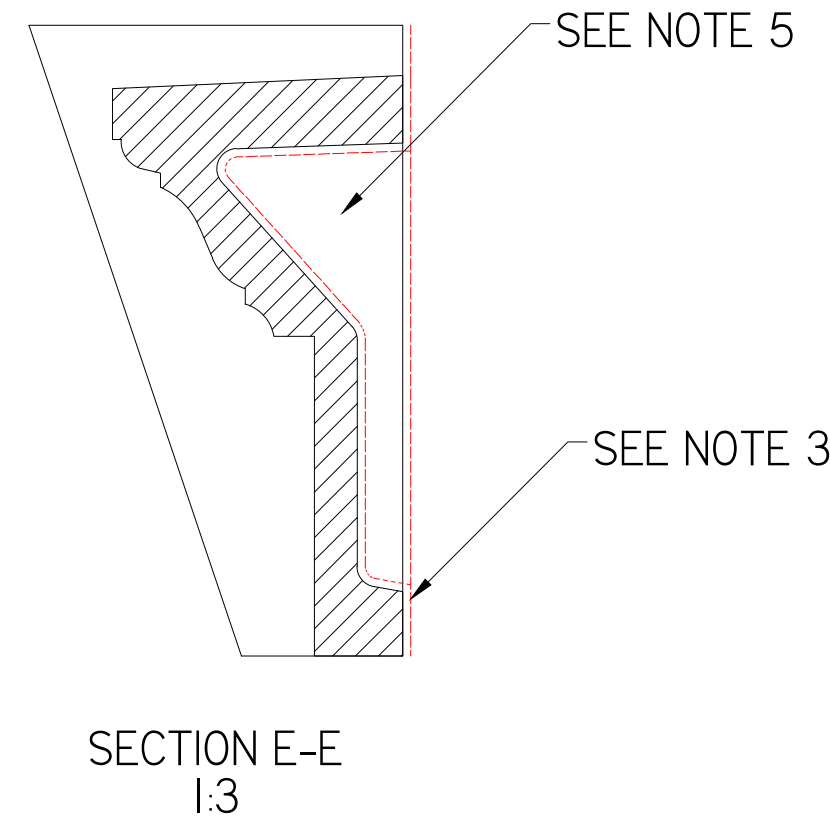
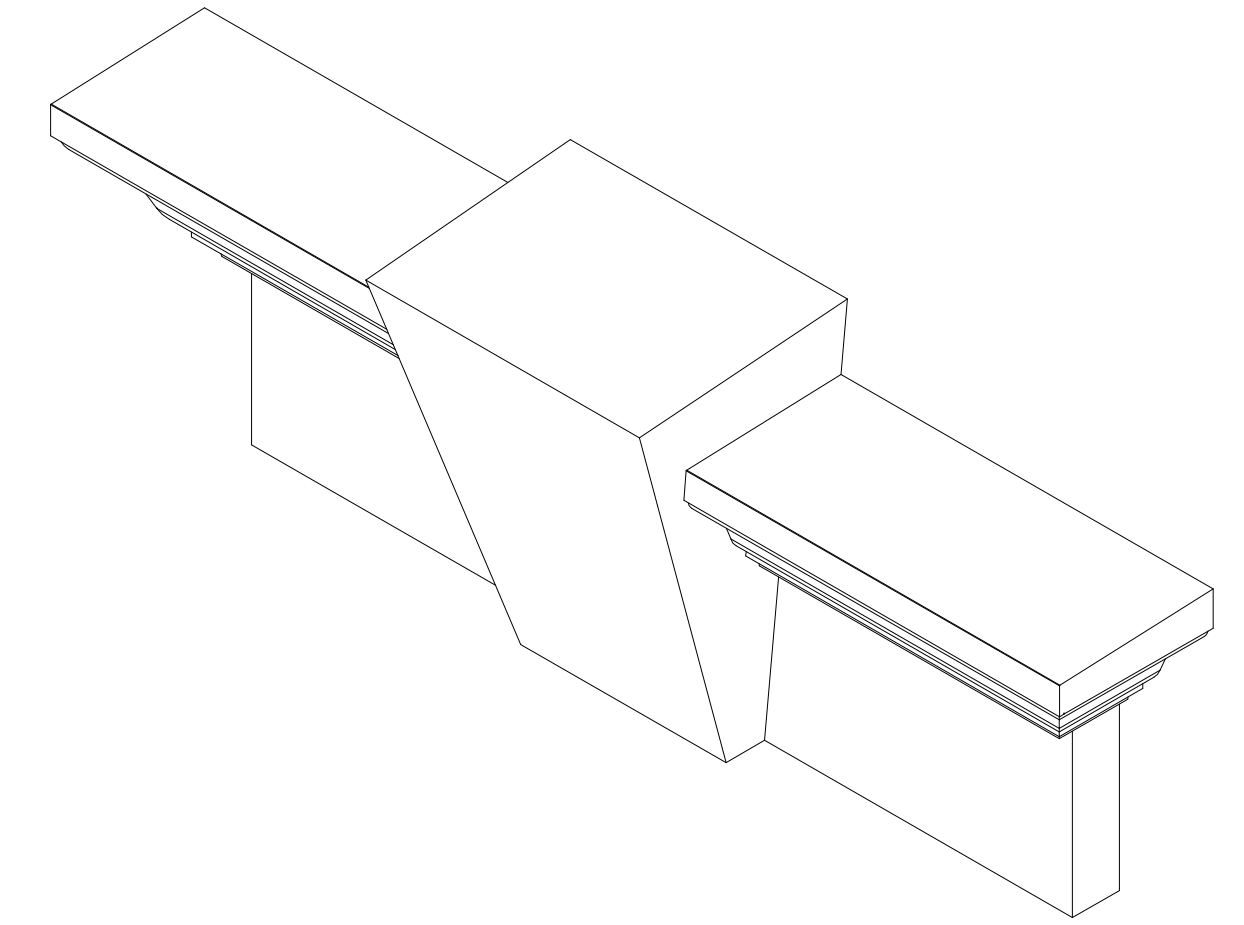
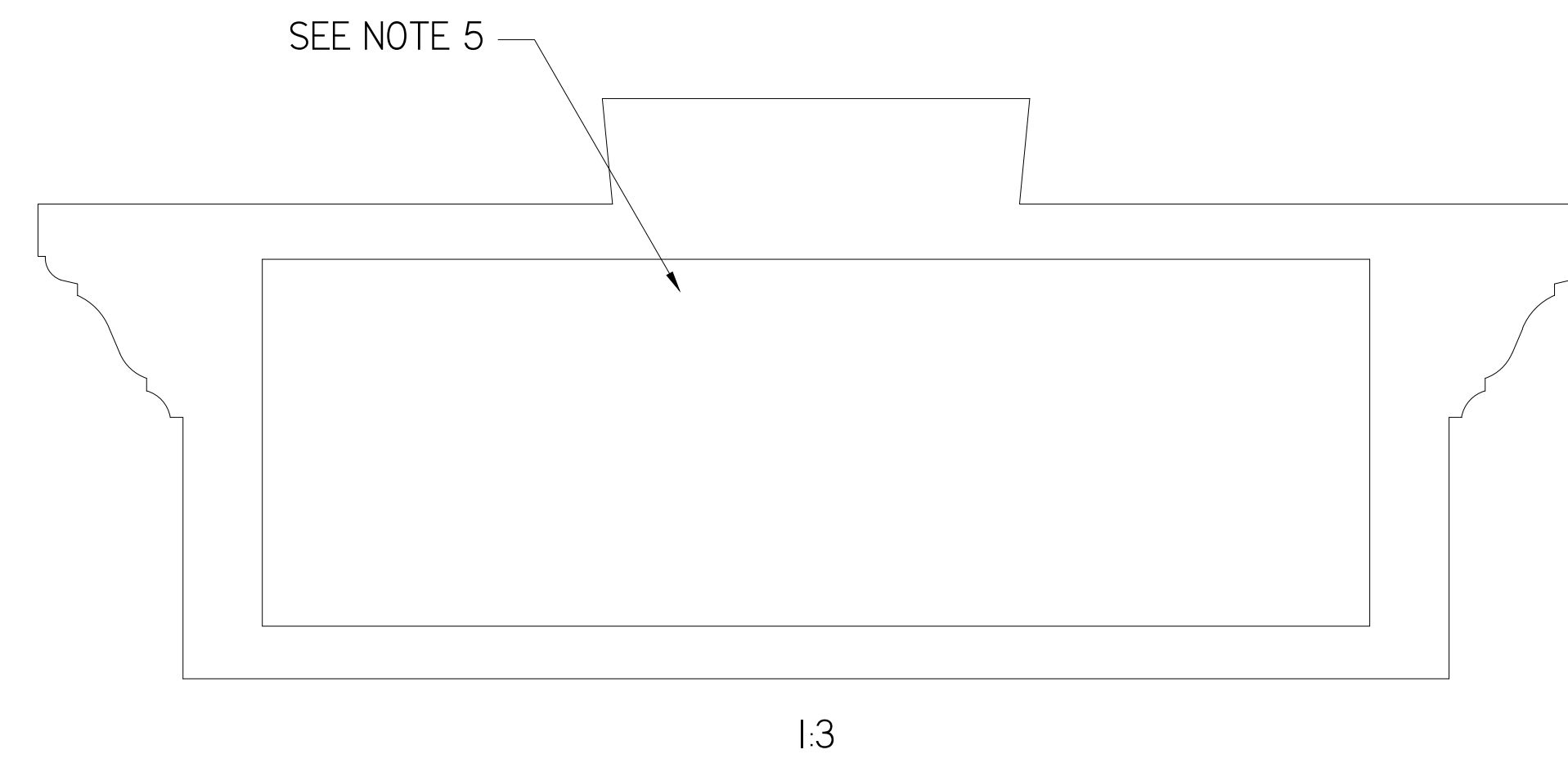
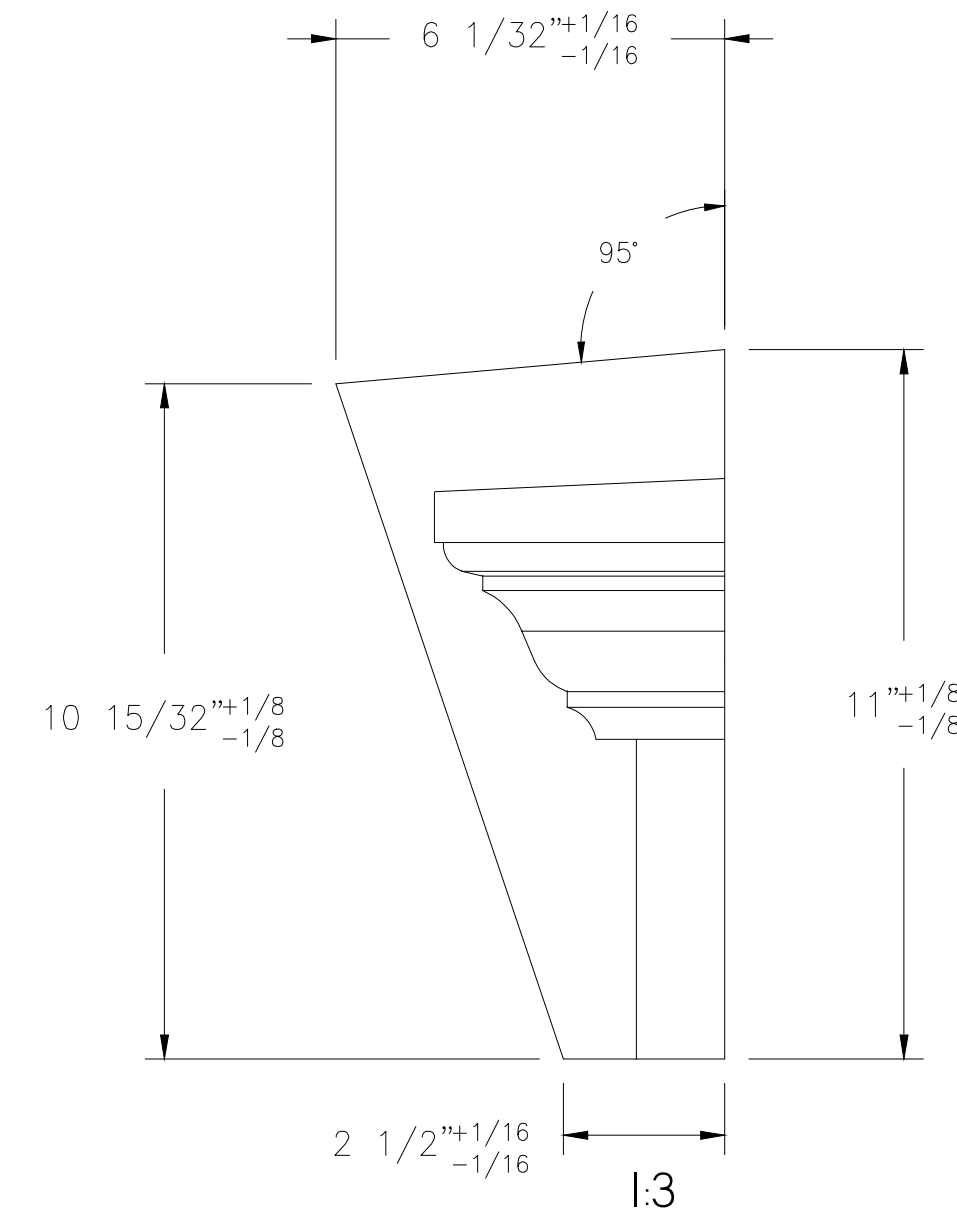
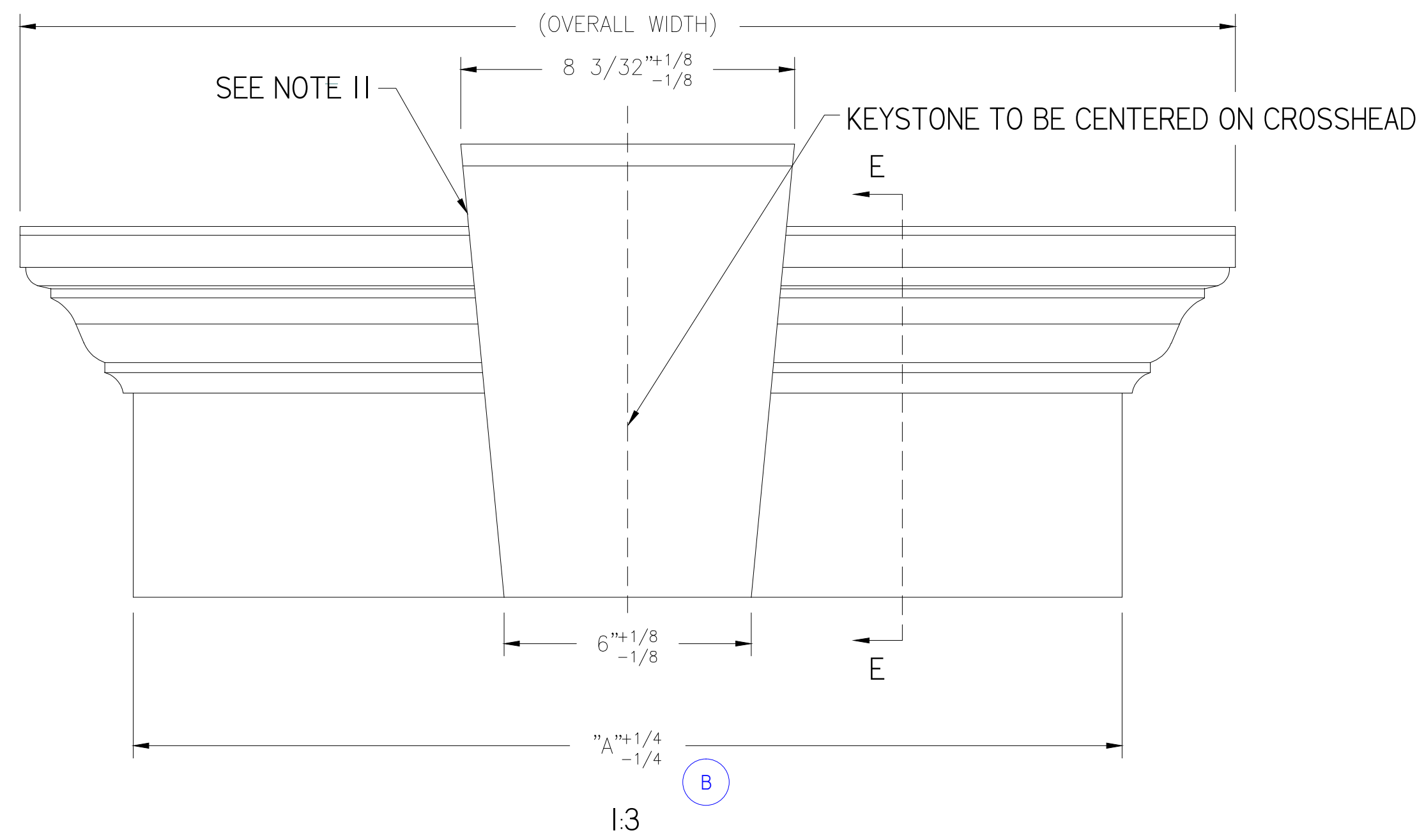
- NOTES:
1. MATERIAL CLOSED CELL POLYURETHANE PER MS0072.
  2. PARTS ARE TO BE PRIMED WITH SHERWIN-WILLIAMS PRIMER E60WJ0541-300D3 OR EQUIVALENT.
  3. RED DASHED LINES INDICATE SURFACES WHERE PRIMER IS OPTIONAL.
  4. REFERENCE MATH DATA FOR ALL UNDIMENSIONED FEATURES.
  5. MATERIAL SAVER TO BE USED IN THIS AREA. MUST MAINTAIN .750" MINIMUM MATERIAL THICKNESS THROUGHOUT PART.
  6. PART TABLES CONTAIN STOCK CROSSHEADS. FOR ALL OTHERS, REFER TO PART NUMBER LOGIC AND DETAIL VIEWS FOR REQUIRED DIMENSIONAL INFORMATION.
  7. REFER TO SHEET 3 FOR DIMENSIONS OF STANDARD CROSSHEAD PROFILE.
  8. FOR NON-STOCK/FABRICATED PARTS, BOTTOM TRIM CONTROLLED BY PIN MLD716-12 AND IS ADDED TO A STANDARD CROSSHEAD.
  9. FOR NON-STOCK/FABRICATED PARTS, DENTIL TRIM CONTROLLED BY PIN MLD304-5 OR MLD304-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  10. FOR NON-STOCK/FABRICATED PARTS, TRIM STRIP CONTROLLED BY PIN MLD602-8 AND IS ADDED TO A STANDARD CROSSHEAD.
  11. FOR NON-STOCK/FABRICATED PARTS, KEYSTONE CONTROLLED BY DRAWING D3531A AND IS ADDED TO A STANDARD CROSSHEAD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
<b>DECIMAL</b> .XX = ± .09 .XXX = ± .063		<b>TITLE</b> 9 INCH CROSSHEAD	
<b>FRACTIONAL</b> ± 1/16	<b>SIZE D</b>	<b>QUOTED ITEM NUMBER</b>	<b>DRWG NO.</b>
<b>ANGULAR</b> ± 1°	<b>DRAWN BY</b> H. LOPEZ	<b>DATE</b> 08/30/18	<b>CHECKED BY</b>
<b>SCALE</b> NTS		DO NOT SCALE DRAWING	SHEET 6 OF 8
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES			



# 9" CROSSHEAD WITH KEYSTONE

REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ER18-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16, CHANGED ALL DIMENSIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ



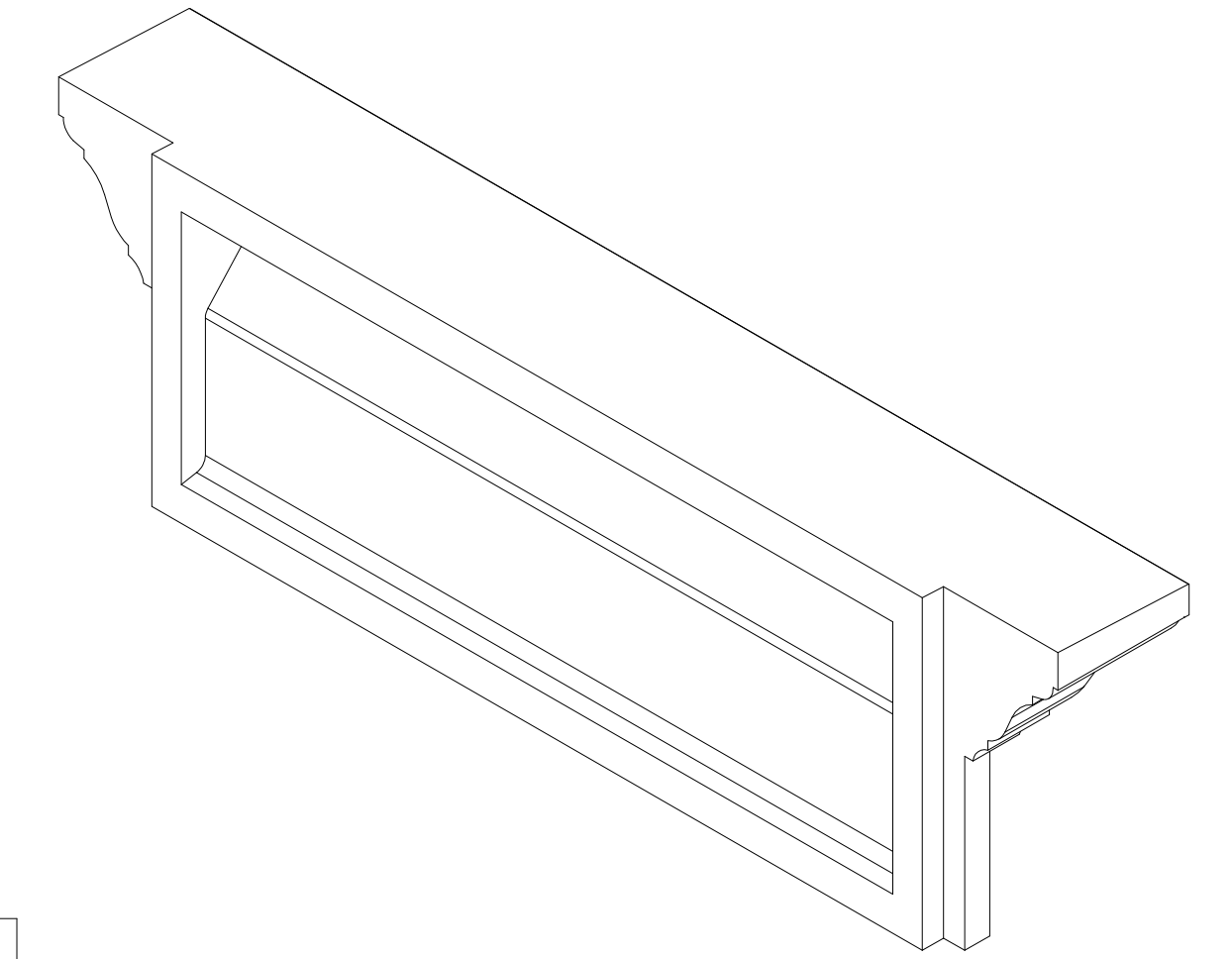
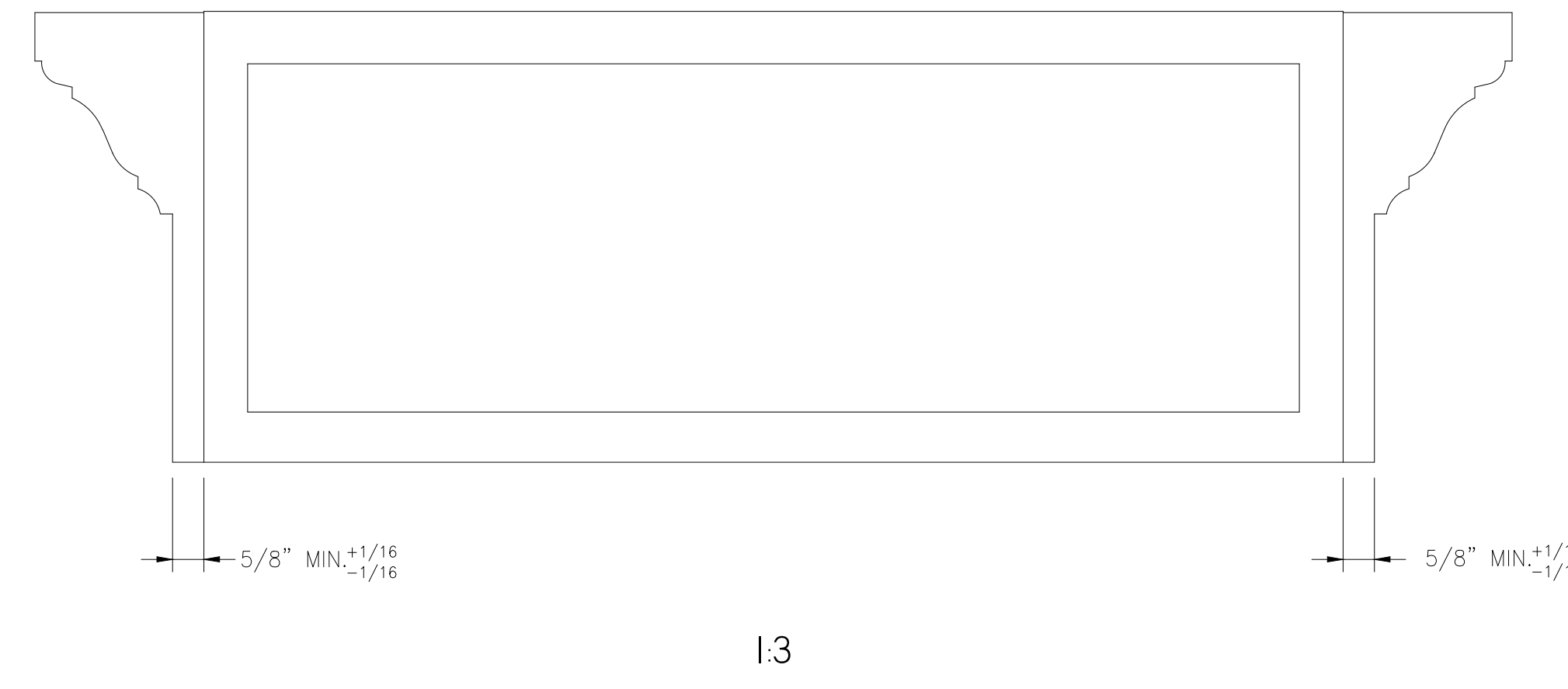
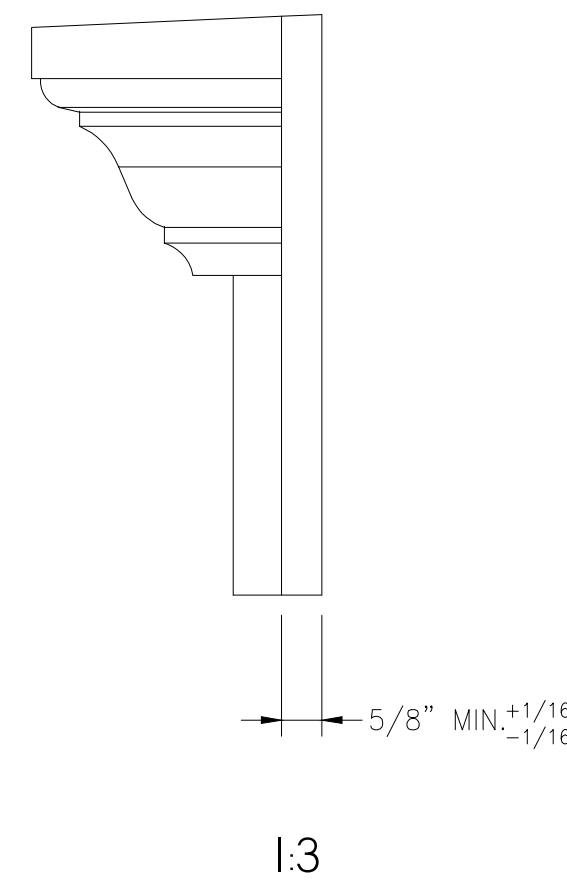
9" CROSSHEADS WITH KEYSTONE		
PART NUMBER	WIDTH "A"	OVER ALL WIDTH
WCH54X9K	54"	59-1/2"
WCH64X9K	64"	69-1/2"
WCH68X9K	68"	73-1/2"
WCH72X9K	72"	77-1/2"
WCH73X9K	73"	78-1/2"
WCH74X9K	74"	79-1/2"
WCH76X9K	76"	81-1/2"
WCH78X9K	78"	83-1/2"
WCH80X9K	80"	85-1/2"
WCH82X9K	82"	87-1/2"
WCH84X9K	84"	89-1/2"
WCH86X9K	86"	91-1/2"
WCH88X9K	88"	93-1/2"
WCH90X9K	90"	95-1/2"
WCH92X9K	92"	97-1/2"
WCH94X9K	94"	99-1/2"
WCH96X9K	96"	101-1/2"
WCH98X9K	98"	103-1/2"
WCH100X9K	100"	105-1/2"
WCH102X9K	102"	107-1/2"
WCH104X9K	104"	109-1/2"
WCH106X9K	106"	111-1/2"
WCH108X9K	108"	113-1/2"
WCH110X9K	110"	115-1/2"
WCH112X9K	112"	117-1/2"
WCH114X9K	114"	119-1/2"
WCH116X9K	116"	121-1/2"
WCH118X9K	118"	123-1/2"
WCH120X9K	120"	125-1/2"

- NOTES:
- MATERIAL CLOSED CELL POLYURETHANE PER MS0072.
  - PARTS ARE TO BE PRIMED WITH SHERWIN-WILLIAMS PRIMER E60WJ0541-300D3 OR EQUIVALENT.
  - RED DASHED LINES INDICATE SURFACES WHERE PRIMER IS OPTIONAL.
  - REFERENCE MATH DATA FOR ALL UNDIMENSIONED FEATURES.
  - MATERIAL SAVER TO BE USED IN THIS AREA. MUST MAINTAIN .750" MINIMUM MATERIAL THICKNESS THROUGHOUT PART.
  - PART TABLES CONTAIN STOCK CROSSHEADS. FOR ALL OTHERS, REFER TO PART NUMBER LOGIC AND DETAIL VIEWS FOR REQUIRED DIMENSIONAL INFORMATION.
  - REFER TO SHEET 3 FOR DIMENSIONS OF STANDARD CROSSHEAD PROFILE.
  - FOR NON-STOCK/FABRICATED PARTS, BOTTOM TRIM CONTROLLED BY PIN MLD716-12 AND IS ADDED TO A STANDARD CROSSHEAD.
  - FOR NON-STOCK/FABRICATED PARTS, DENTIL TRIM CONTROLLED BY PIN MLD304-5 OR MLD304-8 AND IS ADDED TO A STANDARD CROSSHEAD.
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  - FOR NON-STOCK/FABRICATED PARTS, KEYSTONE CONTROLLED BY DRAWING D3531A AND IS ADDED TO A STANDARD CROSSHEAD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
	<b>DECIMAL</b> .XX = ± .09 .XXX = ± .063	
	<b>FRACTIONAL</b> ± 1/16	
	<b>ANGULAR</b> ± 1°	
TITLE <h2>9 INCH CROSSHEAD</h2>		SIZE D
QUOTED ITEM NUMBER H. LOPEZ		DRWG NO. 08/30/18
DRAWN BY H. LOPEZ		DATE 08/30/18
SCALE NTS		CHECKED BY SHEET 7 OF 8
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES		

# 9" CROSSHEAD ROUTER PROCESSING DETAILS

REV	DESCRIPTION	DATE	AUTHOR
A	RELEASE D3230F INTO DRAWING LOG	8/29/2018	P. BERNAL
B	ER18-0002- CORRECTED NOTE NUMBERS, UPDATED TOLERANCES FROM +.250 /-.000 TO +/-1/4, AND 1/64 TO 1/16. CHANGED ALL DIMENSIONS FROM DECIMALS TO FRACTIONS.	8/31/2018	H. LOPEZ



- NOTES:
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  2. PARTS ARE TO BE PRIMED WITH SHERWIN-WILLIAMS PRIMER E60WJ0541-300D3 OR EQUIVALENT.
  3. RED DASHED LINES INDICATE SURFACES WHERE PRIMER IS OPTIONAL.
  4. REFERENCE MATH DATA FOR ALL UNDIMENSIONED FEATURES.
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  6. PART TABLES CONTAIN STOCK CROSSHEADS. FOR ALL OTHERS, REFER TO PART NUMBER LOGIC AND DETAIL VIEWS FOR REQUIRED DIMENSIONAL INFORMATION.
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  11. FOR NON-STOCK/FABRICATED PARTS, KEYSTONE CONTROLLED BY DRAWING D3531A AND IS ADDED TO A STANDARD CROSSHEAD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
<p><b>DECIMAL</b></p> <p>.XX = <math>\pm .09</math></p> <p>.XXX = <math>\pm .063</math></p> <p><b>FRACTIONAL</b></p> <p><math>\pm \frac{1}{16}</math></p> <p><b>ANGULAR</b></p> <p><math>\pm 1^\circ</math></p>	<p><b>TITLE</b></p> <p>9 INCH CROSSHEAD</p>	
<p><b>SIZE D</b></p> <p><b>QUOTED ITEM NUMBER</b></p> <p><b>DRWG NO.</b></p> <p><b>REV B</b></p>	<p><b>DRAWN BY</b> H. LOPEZ</p> <p><b>DATE</b> 08/30/18</p> <p><b>CHECKED BY</b></p>	<p><b>SCALE</b> NTS</p> <p>DO NOT SCALE DRAWING</p> <p><b>SHEET 8 OF 8</b></p>
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES		



# Pella® Reserve™

## Traditional Wood & Clad/Wood



Exquisitely designed windows and doors with unparalleled historical detailing.

Double-Hung Interior



Double-Hung Exterior



- **Historical details**

Our most historically authentic line of wood windows and patio doors. Featuring through-stile construction, deliberate proportions and intricate profiles. Pella Reserve products are the ideal choice for historical renovations and traditional building projects.

- **Authentic hardware**

Complement your project with historically authentic spoon-lock window hardware. Our Antiek casement window hardware is inspired by period furniture to deliver authentic traditional style.

- **Architectural interest**

Featuring the industry's only foam spacer solution, Pella's Integral Light Technology® grille helps capture the look of true-divided-light without sacrificing energy performance. Further your aesthetic with the putty profile, recreated with historically accurate angles – providing meaningful depth and a realistic shadow. Pella Reserve products offer the industry's deepest sash dimension.

- **Virtually unlimited customization**

If you can dream it, we can build it with our most customizable product line. From extra tall to extra wide, Pella can craft unique windows that complement your aesthetic. Custom sizes, grille patterns and designs, finishes, wood types and glass options are available.

- **Tailor-made solutions**

From preliminary drawings to installation, Pella's expert team of architects, engineers, drafters and consultants can work to deliver custom window and door solutions for your project. Partner with Pella to achieve your unique vision without concessions.

- **Intentional innovation**

Winner of the 2019 Most Innovative Window from Window and Door Magazine, the Integrated Rolscreen® retractable screen preserves aesthetic view. It is a double- and single-hung screen that appears when you open the window, and rolls away, out of sight, when you close it.

- **Durable interiors and extruded aluminum exteriors**

Create a custom exterior color to meet your design needs or choose from 27 standard color options. Interior finish options are available in four paints, eleven stains and primed and ready-to-paint.

- **ENERGY STAR® certified<sup>1</sup>**

Pella wood products offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states. Pella Reserve products with triple-pane glass have been awarded the ENERGY STAR Most Efficient Mark in 2020.<sup>1</sup>

- **Testing beyond requirements**

At Pella, our products are tested beyond requirements to help ensure they have long-lasting performance and reduce call-backs for you.

- **Best limited lifetime warranty<sup>2</sup>**

Pella Reserve products are covered by the best limited lifetime warranty in the business for wood windows and patio doors.<sup>2</sup>

Available in these window and patio door styles:



Special shape windows also available.

<sup>1,2</sup> See back cover for disclosures.

# Product Specifications

Window & Patio Door Styles	Min. Width	Min. Height	Max. Width	Max. Height	Performance Class & Grade	Performance Values			Frame / Install
						U-Factor	SHGC	STC	
<b>Awning</b>	13-3/4"	13-3/4"	53"	29"	LC40-CW50	0.25-0.29	0.18-0.47	27-33	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
<b>Precision Fit Awning</b>	17"	17"	53"	29"	R50-CW50	0.28-0.32	0.18-0.47	27-33	Pocket Replacement
<b>Casement</b>	13-3/4"	13-3/4"	41"	96"	R35-CW50	0.25-0.29	0.18-0.47	27-35	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
<b>Precision Fit Casement</b>	17"	17"	35"	73"	R45-CW50	0.28-0.33	0.18-0.47	27-30	Pocket Replacement
<b>Fixed Casement</b>	10"	10"	144"	144"	R35-CW50	0.25-0.29	0.18-0.47	27-35	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
<b>Precision Fit Fixed Casement</b>	17"	17"	59"	73"	R45-CW50	0.28-0.33	0.18-0.47	27-30	Pocket Replacement
<b>Double-Hung</b>	14"	24-3/8"	48"	96"	CW40-CW50	0.25-0.30	0.19-0.53	26-34	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
<b>Precision Fit Double-Hung</b>	13-1/2"	23-3/4"	48"	84"	CW40-CW50	0.25-0.31	0.19-0.53	26-30	Pocket Replacement
<b>Monumental Hung</b>	13-3/4"	24"	72"	144"	LC25-CW50	0.25-0.30	0.17-0.47	29-34	Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
<b>In-Swing Hinged Patio Door (Single)</b>	18"	36"	48"	199-1/2"	LC40-LC55	0.25-0.29	0.14-0.40	31-32	
<b>In-Swing Hinged Patio Door (Double)</b>	36"	36"	96"	119-1/2"	LC40-LC55	0.25-0.29	0.14-0.40	31-32	
<b>Out-Swing Hinged Patio Door (Single)</b>	18"	36"	48"	119-1/2"	R50-LC70	0.25-0.30	0.14-0.39	30-32	
<b>Out-Swing Hinged Patio Door (Double)</b>	36"	36"	96"	119-1/2"	R50-LC70	0.25-0.30	0.14-0.39	30-32	
<b>Sliding Patio Door (O)</b>	30-3/4"	74"	60-3/4"	119-1/2"	LC25-LC70	0.29-0.32	0.15-0.42	-	
<b>Sliding Patio Door (OX, XO)</b>	59-1/4"	74"	119-1/2"	119-1/2"	LC25-LC70	0.29-0.32	0.15-0.42	29-35	
<b>Sliding Patio Door (OXO)</b>	90"	74"	180"	119-1/2"	LC25-LC70	0.29-0.32	0.15-0.42	-	
<b>Sliding Patio Door (OXXO)</b>	116-1/8"	74"	236-1/8"	119-1/2"	LC25-LC70	0.29-0.32	0.15-0.42	-	
<b>Multi-Slide Patio Door</b>	40-1/4"	50-1/2"	701-5/8"	119-1/2"	R15-LC25 <sup>3</sup>	0.30 - 0.36	0.15 - 0.46	-	
<b>Bifold Patio Door</b>	31-3/4"	55-1/2"	312"	119-1/2"	R15-R25 <sup>3</sup>	0.26-0.44	0.13-0.45	-	For more info visit PellaADM.com

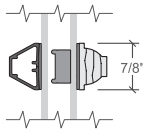
Window sizes available in 1/8" increments

Special sizes available. For more information regarding performance, visit [installpella.com/performance](http://installpella.com/performance). For more information regarding frame and installation types, visit [PellaADM.com](http://PellaADM.com).

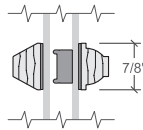
## Grilles

### Integral Light Technology®

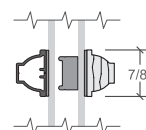
Choose the look of true divided light featuring the industry's only foam spacer.



**Putty Glaze Exterior with Ogee Interior<sup>4</sup>**  
5/8", 7/8", 1-1/4" or 2"



**Putty Glaze Exterior with Ogee Interior<sup>4</sup>**  
5/8", 7/8", 1-1/4" or 2"

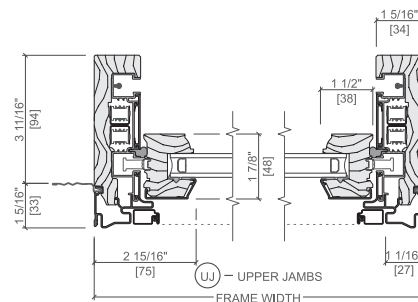


**Ogee Exterior with Ogee Interior<sup>4</sup>**  
5/8", 7/8", 1-1/4" or 2"

## Cross Sections

### Cross Sections

The double-hung cross sections provide visual reference to the historic putty exterior profile and traditional, beveled Ogee interior that add architectural interest to your project.



**Optional Fold-out Installation Fin**

<sup>3,4</sup> See back cover for disclosures.



# Window Hardware

## Classic Collection

Get a timeless look with authentic styles in classic finishes.



**Fold-away Crank**  
Antiek



**Spoon-Style Lock**

Finishes:



Champagne White Brown Matte Black



Oil-Rubbed Bronze Satin Nickel Bright Brass Antique Brass

## Rustic Collection

Create a distinct and charming look with distressed finishes.



**Fold-away Crank**  
Antiek



**Spoon-Style Lock**

Finishes:



Distressed Bronze Distressed Nickel

## Essential Collection

Select from popular designs and finishes to suit every style.



**Fold-away Crank**

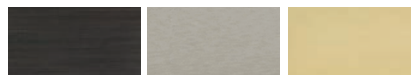


**Cam-Action Lock**

Finishes:



Champagne White Brown Matte Black



Oil-Rubbed Bronze Satin Nickel Bright Brass

# Patio Door Hardware

## Classic Collection

Choose timeless pieces, created in collaboration with Baldwin® Hardware, for a look that will never go out of style.

BALDWIN



**Hinged & Bifold Patio Door Handle**  
Locus | Virago



**Sliding & Multi-Slide Patio Door Handle**  
Ambrose



**Multi-Slide Patio Door Handle**<sup>5,6</sup>

Finishes:



Matte Black Oil-Rubbed Bronze Satin Nickel Bright Brass



Antique Brass

## Essential Collection

Elevate your style and transform a home with elegant selections.



**Hinged & Bifold Patio Door Handle**

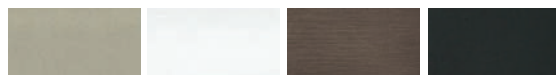


**Sliding Patio Door Handle**

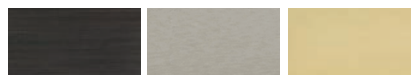


**Multi-Slide Patio Door Handle**<sup>5,6</sup>

Finishes:



Champagne White Brown Matte Black



Oil-Rubbed Bronze Satin Nickel Bright Brass

<sup>5,6</sup> See back cover for disclosures.

## Colors

### Wood Types

Choose the wood species that best complements your project's interior.



**Pine**      **Douglas Fir**      **Mahogany**

#### Custom solutions:



**White Oak**      **Red Oak**      **Cherry**      **Maple**

### Prefinished Pine Interior Colors

Custom interior finishes, unfinished or primed and ready-to-paint are also available.



**White**      **Bright White**      **Linen White**      **Artisan Greige**      **Natural Stain**      **Wheat Stain**      **Golden Oak Stain**      **Early American Stain**



**Provincial Stain**      **Dark Mahogany Stain**      **Red Mahogany Stain**      **Espresso Stain**      **Skyline Gray Stain**      **Charcoal Stain**      **Black Stain**

### Extruded Aluminum-Clad Exterior Colors

Our low-maintenance EnduraClad® exterior finish resists fading. Take durability one step further with EnduraClad Plus which also resists chalking and corrosion.<sup>7</sup>



**White**      **Tan**      **Putty**      **Brown**      **Classic White**      **Vanilla Cream**      **Poplar White**      **Almond**



**Sand Dune**      **Honeysuckle**      **Fossil**      **Portobello**      **Deep Olive**      **Auburn Brown**      **French Roast**      **Summer Sage**



**Hemlock**      **Hartford Green**      **Morning Sky Gray**      **Eldridge Gray**      **Iron Ore**      **Black**      **Naval**      **Stormy Blue**



**Real Red**      **Brick Red**      **Cranberry**

Custom colors are also available.

## Added Peace of Mind

### Integrated Security Sensors

Integrated wireless security sensors maintain aesthetics, streamline security installation and ensure no warranty loss is caused by post-installation drilling. Sensors can be monitored via the free Pella® Insynctive® App and are compatible with major security panel systems.<sup>8</sup> For more information, go to [connectpella.com](http://connectpella.com).



### The confidence of Pella's warranty.

Pella® Reserve™ products are covered by the best limited lifetime warranty for wood windows and patio doors.<sup>2</sup>

<sup>1</sup> Some Pella products may not meet ENERGY STAR® guidelines in Canada. For more information, contact your local Pella sales representative or go to [energystar.gc.ca](http://energystar.gc.ca).

<sup>2</sup> Based on comparing written limited warranties of leading national wood window and wood patio door brands. See written limited warranty for details, including exceptions and limitations, at [installpella.com/warranties](http://installpella.com/warranties) or contact Pella Customer Service.

<sup>3</sup> Ratings are contingent on product configurations.

<sup>4</sup> Color-matched to your product's interior and exterior color.

<sup>5</sup> Flush multi-slide handle is a Pella exclusive design.

<sup>6</sup> Flush multi-slide handle is not available in Antique Brass, Champagne or Polished Nickel.

<sup>7</sup> EnduraClad Plus protective finish is not available with all colors. See your local Pella sales representative for availability.

<sup>8</sup> Requires the Insynctive App on a smart device, an Insynctive Bridge and a wireless home router with internet connection.