HASTINGS-ON-HUDSON
ARCHITECTURAL REVIEW BOARD
APPLICATION AND CHECKLIST

The ARB meets on the 1st Monday of every month at 8:00 P.M. Please complete and submit this application along with a fee of $25 and all the required supporting material to Hastings-on-Hudson Buildings Department, no later than two weeks before the date of the meeting.

Applicant's Name: IDA ASHBY			Date: 10.23.17
Tel. 914 760 3879	Fax:	E-mail: idaashby1@gmail.com	
Property Owner's Name: IDA ASHBY		Property Address: 13 HIGH ST.	
Brief Project Description:	INTERIOR ALTERATION AND WINDOWS REPLACEMENT		

This application must be submitted in a packet with the following items. Provide eight (8) copies of each item and this application. √ Check off completed items:

The following items are required with every application:					
1		**DRAWINGS:**			
	✓	Elevations and/or photographs with dimensions that show how the proposed elements relate to each other and to the building façade, and to adjacent facades. Identify proposed materials and colors, windows, doors, and light fixtures, if applicable. Provide details of all structures such as awnings and canopies, if applicable.			
2		**PHOTOS:**			
	✓	Photographs of the property/building.			
		Photographs of architectural details, existing lighting, etc.			
	✓	Photographs (full views) of all adjacent properties.			
3		**SAMPLES** of all materials related to the project. For example:			
		Awning fabric	✓	Lighting cut sheets	
	✓	Paint chips		Siding samples	
		Window and door cut sheets		Brick and stucco samples	
		Other		Other	
The following additional items may be required by the Building Inspector or the ARB.					
4	✓	**ARCHITECTURAL PLANS:**			
		Including layouts at the street wall, and sidewalks, curbs, and street amenities, if applicable.			
		Wall sections and architectural details			
		Equipment (including roof equipment, A/C, refuse containers, etc.) if applicable			

APPLICANT MUST ATTEND ARB MEETING.

Please feel free to provide any brochures, models, photographs, renderings or other visual aids, or any additional information that might clarify your proposed project and assist in your presentation. No changes to the form, design, color, or materials of a project will be permitted after the Architectural Review Board has approved it.

Applicant Signature/Date

13 High St. - existing condition

13 High St. - existing condition

13 High St. - neighborhood

neighbor at north-east

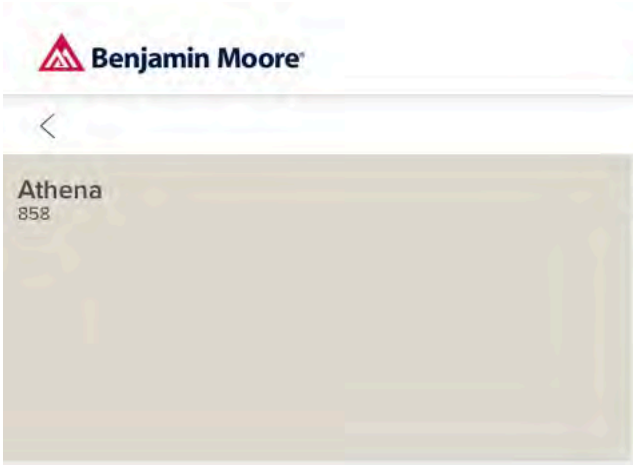
neighbor at south

13 High St. - existing condition

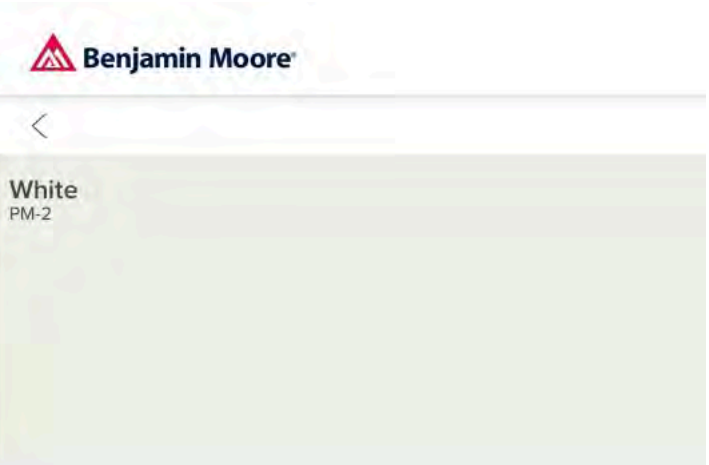
neighbor at south-east

13 HIGH ST. - PROPOSED COLORS

STUCCO



EAVE, WINDOWS, EXT. TRIM



400 Series Casement Window

Interior

Exterior

SUMMARY

To purchase this product or customize it further, take this summary to your Andersen dealer.

Product Name	400 Series Casement Window
Interior Color	White
Hardware	Classic Series, White
Pattern	None

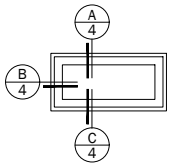
Exterior Color	White
Exterior Trim Profile	None

* Distressed bronze and oil rubbed bronze are 'living' finishes that will change with time and use.

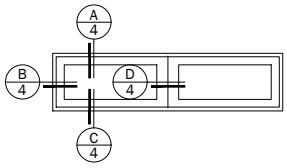
* Options shown are not available for all products within the series. Computer monitor limitations prevent exact color duplication. For an accurate representation of color options please view actual color samples available at your Andersen window & patio door supplier.

400 SERIES

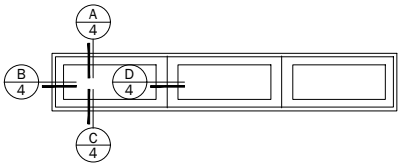
Casement & Awning Windows



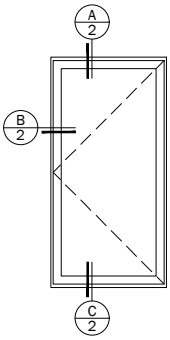
Transom



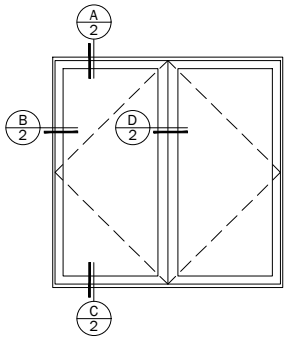
Twin Transom



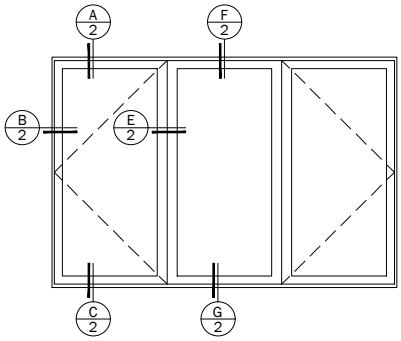
Triple Transom



Casement



Twin Casement



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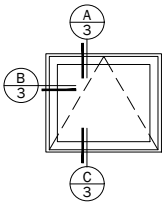
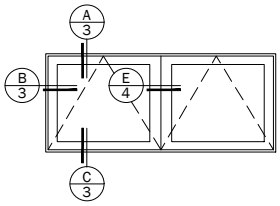
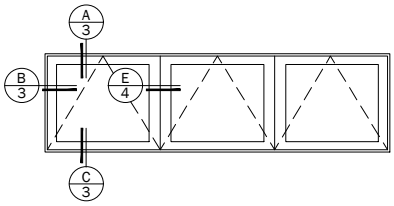


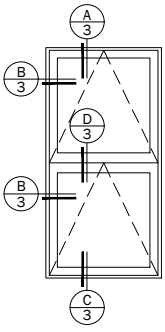
Awning



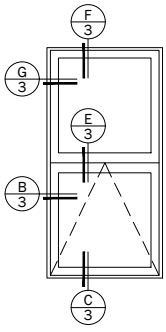
Twin Awning



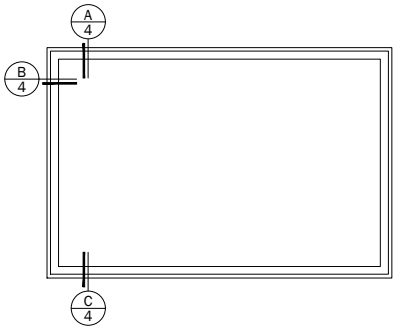
Triple Awning



Stacked Awning



Stacked Awning



Casement & Awning Picture

Notes:

Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

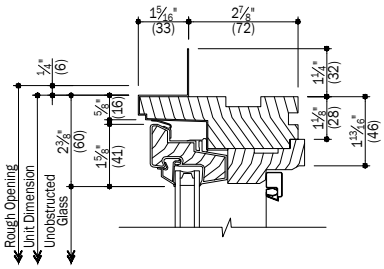
See Pages 5 & 6 for Accessories

Date: 10/04/16
Scale: None

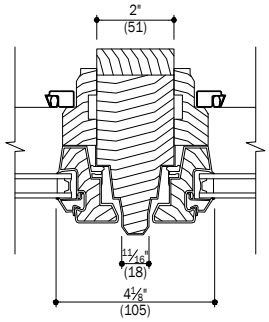
400 SERIES

Andersen WINDOWS • DOORS AW

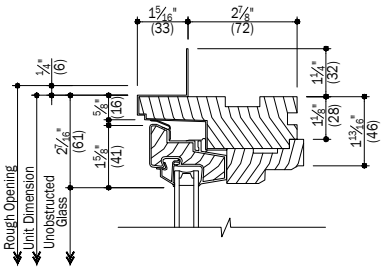
Casement & Awning Windows



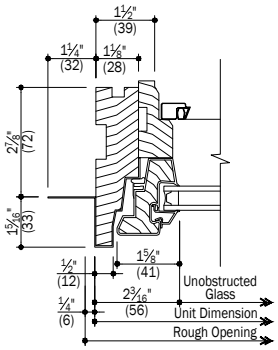
A 2 Head
Operating Casement



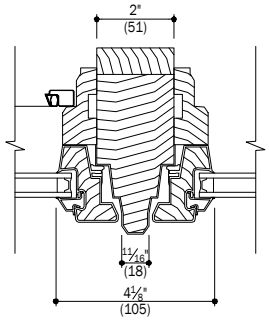
D 2 Vertical Integral Join
Operating Csmt/Operating Csmt



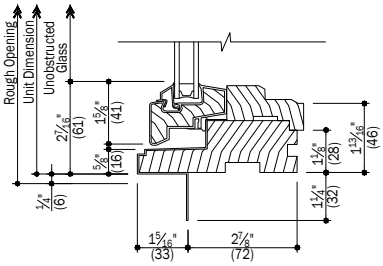
F 2 Head
Stationary Casement



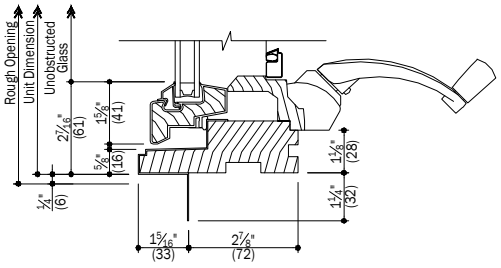
B 2 Jamb
Operating Casement



E 2 Vertical Integral Join
Operating Csmt/Stationary Csmt



G 2 Sill
Stationary Casement



C 2 Sill
Operating Casement

Notes:

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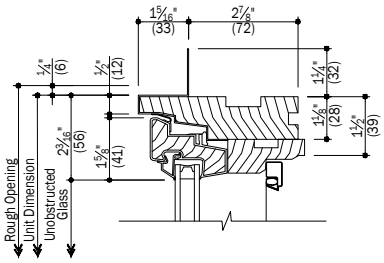
Dimensions in parentheses are in millimeters.

See Pages 5 & 6 for Accessories

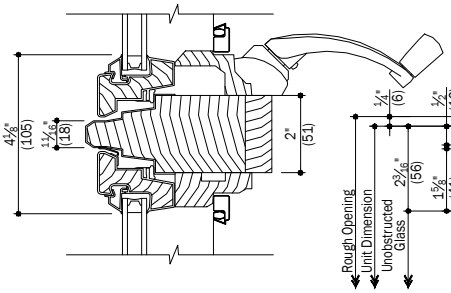
Date: 10/04/16
Scale: 3" (76) = 1' (305)

400 SERIES

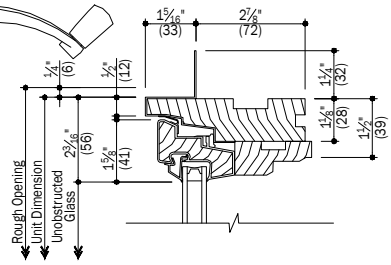
Casement & Awning Windows



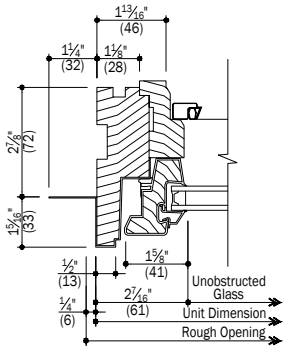
A/3 Head
Operating Awning



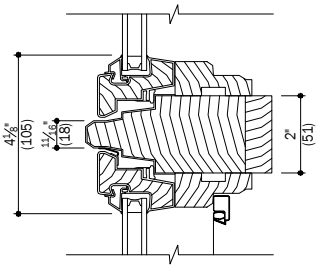
D/3 Horizontal Integral Join
Operating Awn/Operating Awn



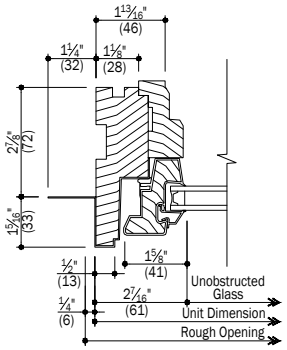
F/3 Head
Stationary Awning



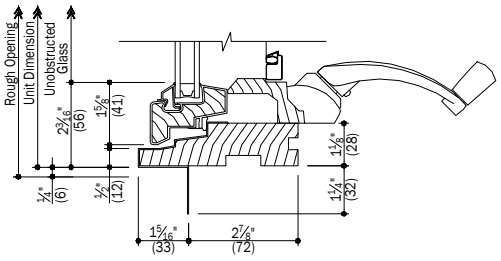
B/3 Jamb
Operating Awning



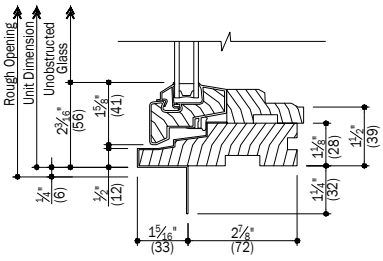
E/3 Horizontal Integral Join
Stationary Awn/Operating Awn



G/3 Jamb
Stationary Awning



C/3 Sill
Operating Awning



H/3 Sill
Stationary Awning

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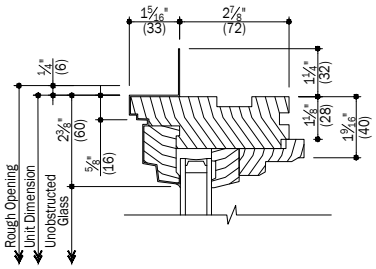
See Pages 5 & 6 for Accessories

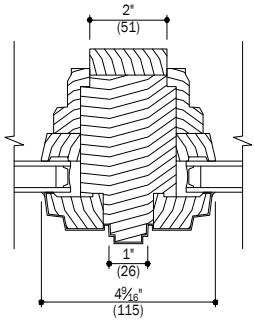
Date: 10/04/16
Scale: 3" (76) = 1' (305)

400 SERIES

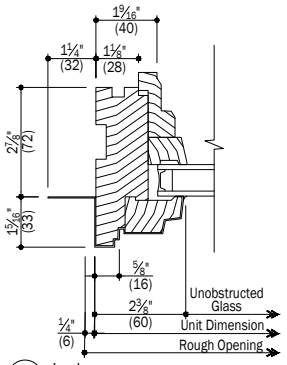
Casement & Awning Windows



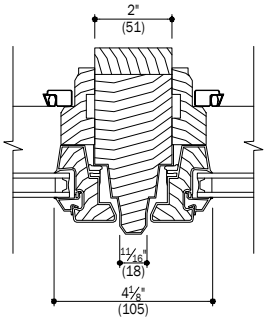
A 4 Head
Fixed



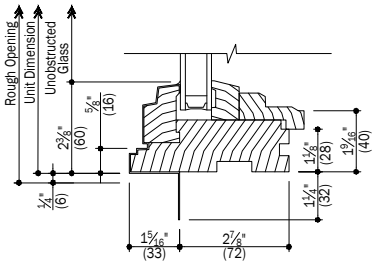
D 4 Vertical Integral Join
Fixed/Fixed



B 4 Jamb
Fixed



E 4 Vertical Integral Join
Operating Awn/Operating Awn



C 4 Sill
Fixed

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See Pages 5 & 6 for Accessories

Date: 10/04/16
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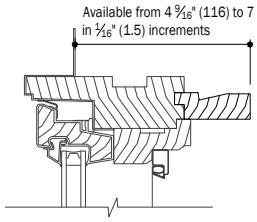
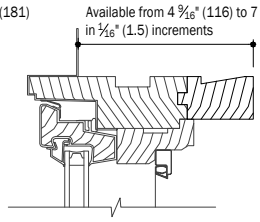
400 SERIES

Andersen WINDOWS • DOORS AW

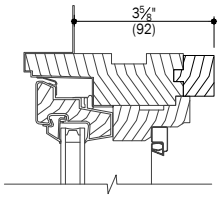
Casement & Awning Windows
Accessories



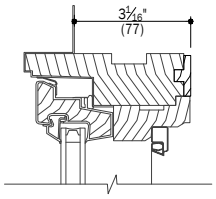
A/5 Extension Jamb



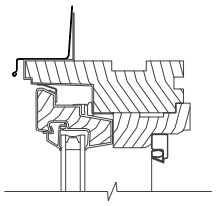
D/5 Thick Extension Jamb
Used to help Preserve the original location of interior trim when replacing existing windows.



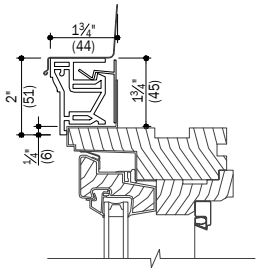
G/5 Wide Drywall Return



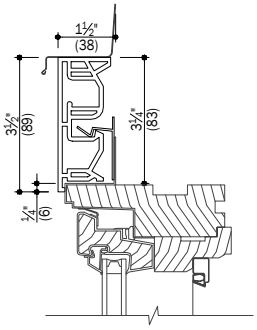
K/5 Narrow Drywall Return



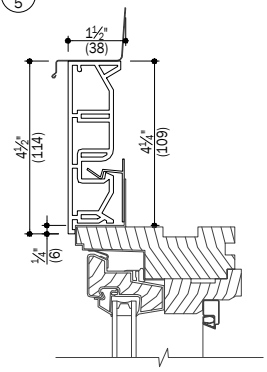
B/5 Drip Cap



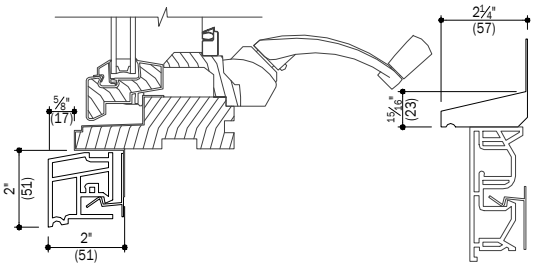
E/5 2" Brick Mould



H/5 3 ½" Flat Casing

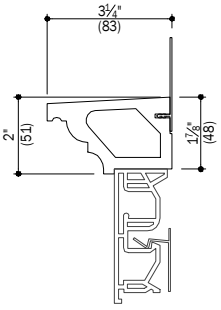


L/5 4 ½" Flat Casing

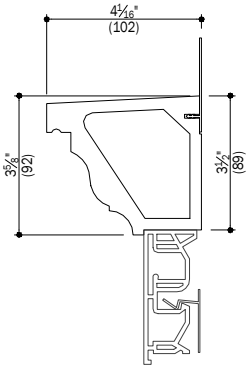


C/5 Sill Nose

F/5 Decorative Drip Cap



J/5 2" Cornice



M/5 3 5/8" Cornice

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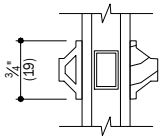
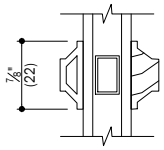
Date: 10/04/16
Scale: 3" (76) = 1' (305)

400 SERIES

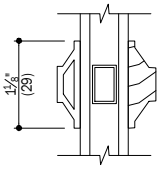
Casement & Awning Windows
Accessories



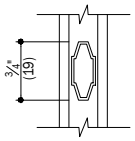
A 6 ¾" Full Divided Light



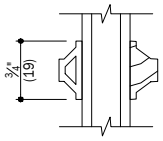
E 6 ⅞" Full Divided Light



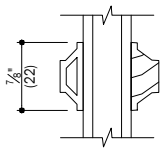
J 6 1 ⅛" Full Divided Light



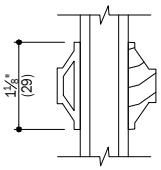
M 6 ¾" Finelight



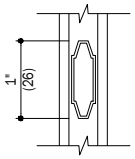
B 6 ¾" Simulated Divided Light
Removable interior is available



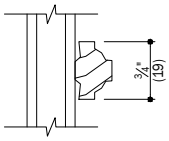
F 6 ⅞" Simulated Divided Light
Removable interior is available



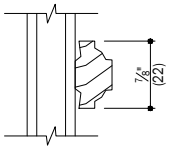
K 6 1 ⅛" Simulated Divided Light
Removable interior is available



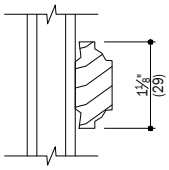
N 6 1" Finelight



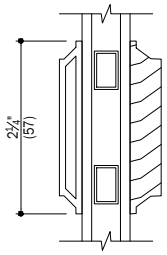
C 6 ¾" Removable Interior Grille



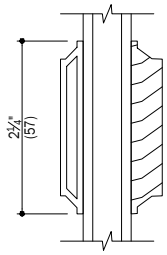
G 6 ⅞" Removable Interior Grille



L 6 1 ⅛" Removable Interior Grille



D 6 2 ¼" Full Divided Light
Simulated check rail



H 6 2 ¼" Simulated Divided Light
Simulated check rail

Notes:

Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

Date: 10/04/16
Scale: 6" (152) = 1' (305)

400 Series Frenchwood® Hinged Patio Door

Interior

Exterior

SUMMARY

To purchase this product or customize it further, take this summary to your Andersen dealer.

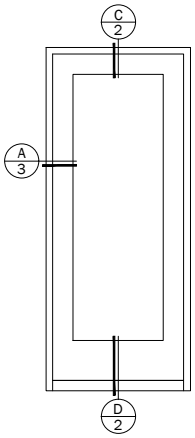
Product Name	400 Series Frenchwood® Hinged Patio Door
Interior Color	White
Hardware	Albany, White
Grille Pattern	None
Exterior Door Color	White
Exterior Trim Profile	None

* Distressed bronze and oil rubbed bronze are 'living' finishes that will change with time and use.

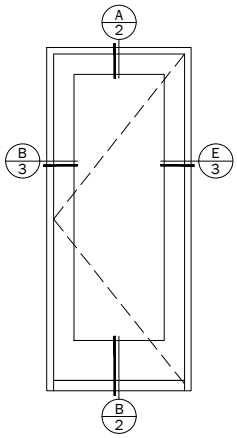
* Options shown are not available for all products within the series. Computer monitor limitations prevent exact color duplication. For an accurate representation of color options please view actual color samples available at your Andersen window & patio door supplier.

400 SERIES

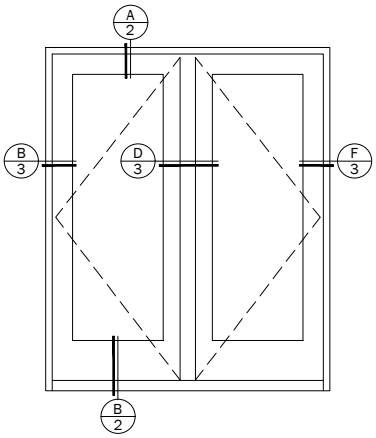
Frenchwood© Hinged Patio Doors - Inswing



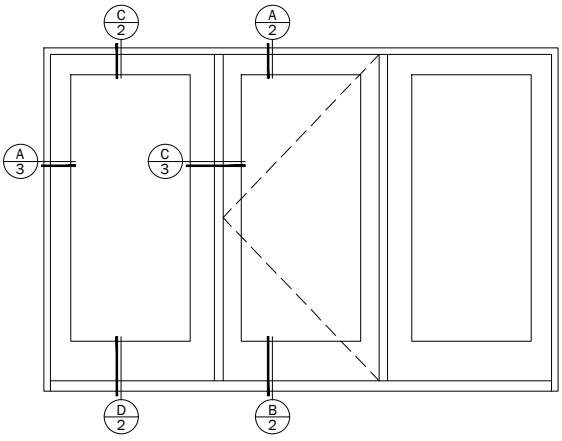
Frenchwood©
Hinged Patio Door - Inswing
(1-Panel)



Frenchwood©
Hinged Patio Door - Inswing
(1-Panel)



Frenchwood©
Hinged Patio Door - Inswing
(2-Panel)



Frenchwood©
Hinged Patio Door - Inswing
(3-Panel)

Notes:

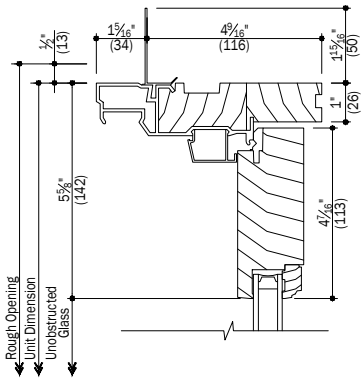
Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

See Pages 4 Thru 10 for Accessories

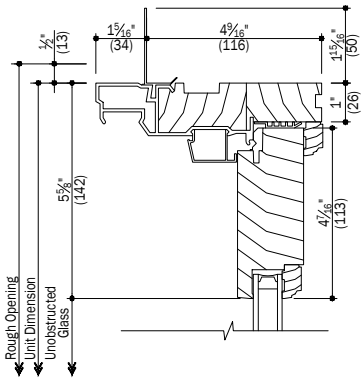
Date: 10/04/16
Scale: None

400 SERIES

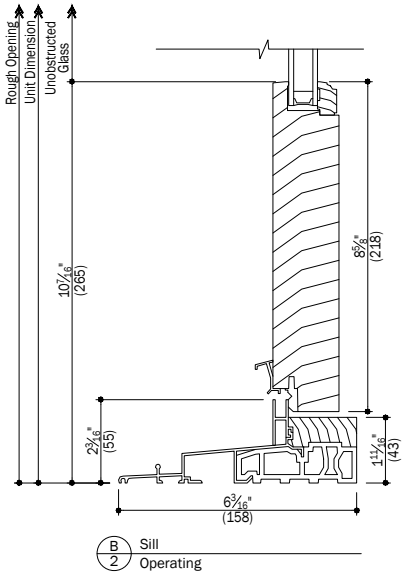
Frenchwood© Hinged Patio Doors - Inswing



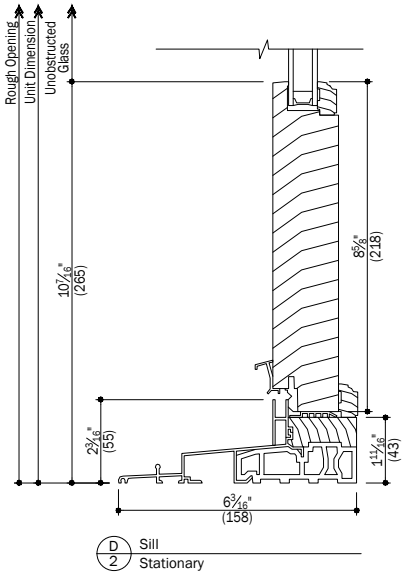
A 2 Head Operating



C 2 Head Stationary



B 2 Sill Operating



D 2 Sill Stationary

Notes:

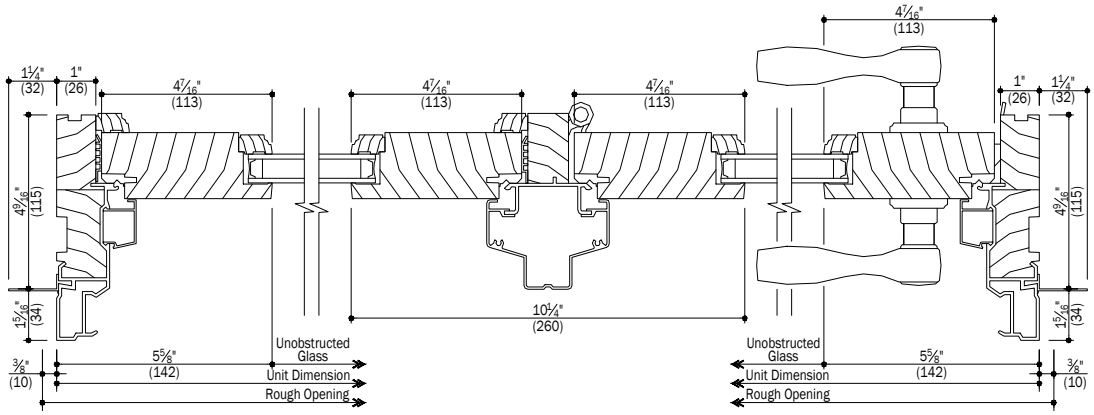
Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

See Pages 4 Thru 10 for Accessories

Date: 10/04/16
Scale: 3" (76) = 1' (305)

400 SERIES

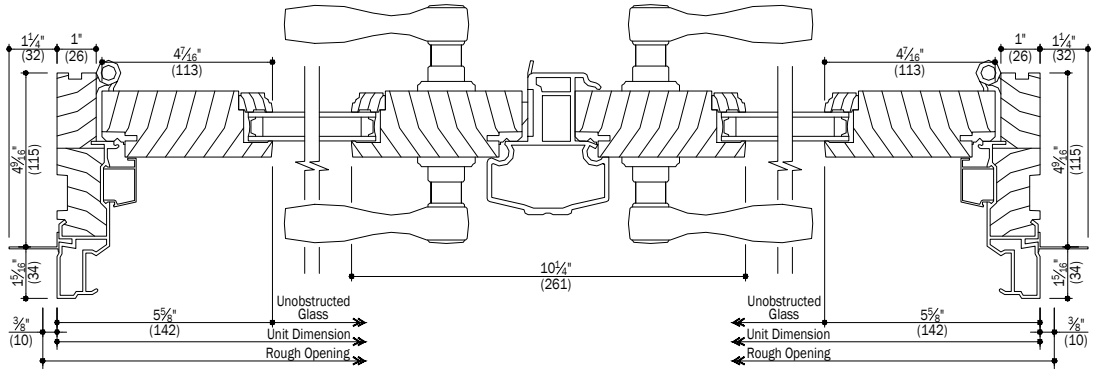
Frenchwood© Hinged Patio Doors - Inswing



A 3 Jamb — Stationary

C 3 Astragal — Left Panel Stationary

E 3 Jamb — Operating - Lock Side



B 3 Jamb — Operating - Hinge Side

D 3 Astragal — Both Panels Operating

F 3 Jamb — Operating - Hinge Side

Notes:

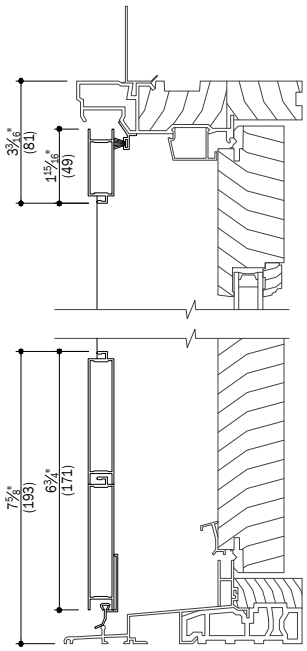
Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

See Pages 4 Thru 10 for Accessories

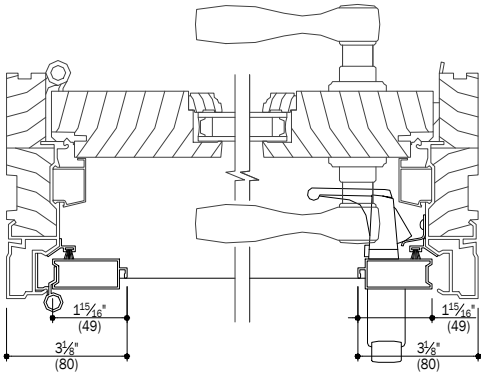
Date: 10/04/16
Scale: 3" (76) = 1' (305)

400 SERIES

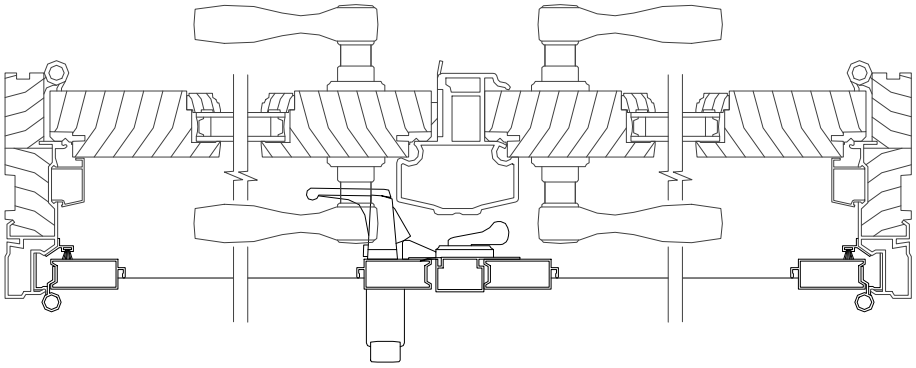
Frenchwood© Hinged Patio Doors - Inswing
Accessories



A/4 Hinged Insect Screen



C/4 Hinged Insect Screen
Single Door



B/4 Hinged Insect Screen
Double Door

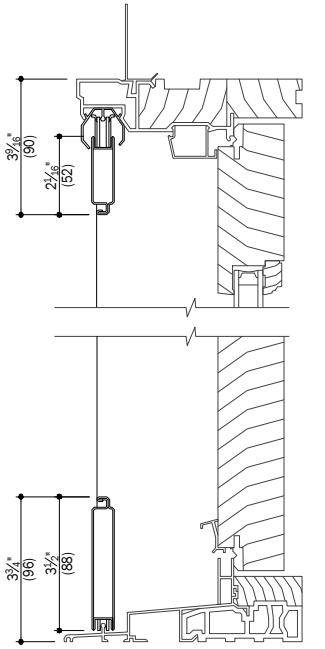
Notes:

Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

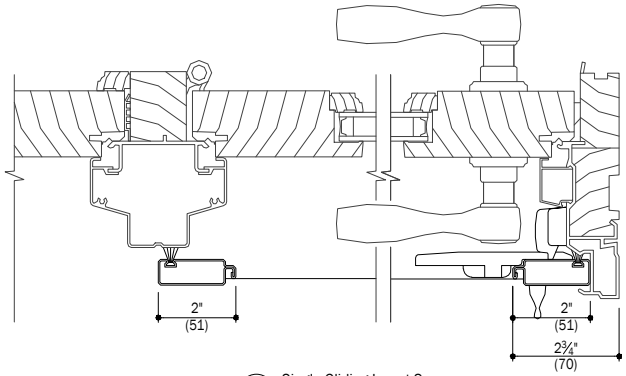
Date: 10/04/16
Scale: 3" (76) = 1' (305)

400 SERIES

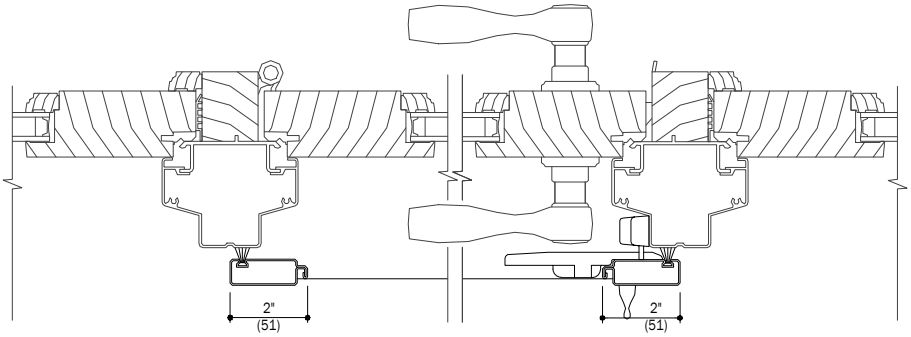
Frenchwood© Hinged Patio Doors - Inswing
Accessories



A/5 Single Gliding Insect Screen
For Center Hinged 2-Panel Doors and 3-Panel Doors



C/5 Single Gliding Insect Screen
Center hinged 2-panel door or a 3-panel door with a center stationary panel.



B/5 Single Gliding Insect Screen
3-panel door with center operating panel.

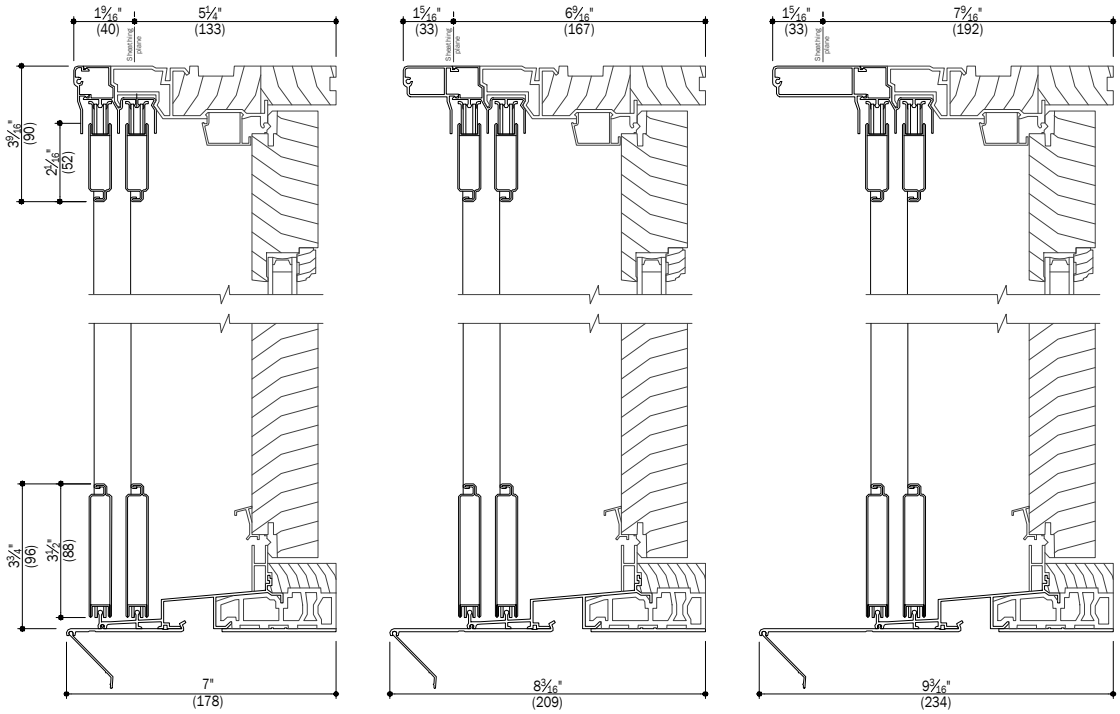
Notes:

Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

Date: 10/04/16
Scale: 3" (76) = 1' (305)

400 SERIES

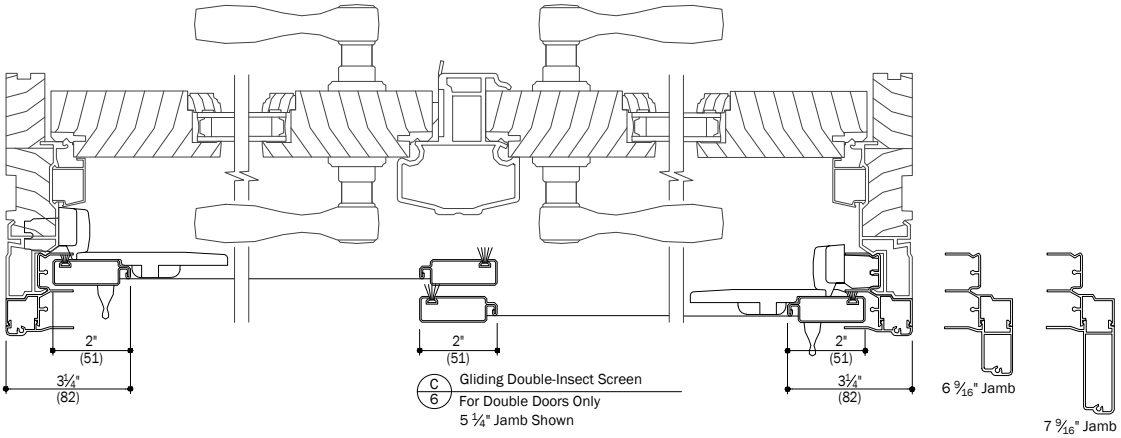
Frenchwood© Hinged Patio Doors - Inswing
Accessories



A 6 Gliding Double-Insect Screen
5 ¼" Jamb

B 6 Gliding Double-Insect Screen
6 9/16" Jamb

D 6 Gliding Double-Insect Screen
7 9/16" Jamb



C 6 Gliding Double-Insect Screen
For Double Doors Only
5 ¼" Jamb Shown

Notes:

Details have been optimized for use in architectural software and do not match manufacturing specifications.
Dimensions in parentheses are in millimeters.

Date: 10/04/16
Scale: 3" (76) = 1' (305)

Andersen® Window and Patio Door Center of Glass Performance Data

Dual-Pane Glass (Air filled)

Andersen® Product	Visible Light[1]	SC[2]	SHGC[3]	RHG[4]	Fading TUV[5]	Fading TDW[6]	U-Factor[7]	%RH @ center[8]	IGST[9]
Casement/Awning, Narroline® Double-Hung, Narroline® Transom, 200 Series Tilt-Wash and Gliding Window	83%	0.91	0.79	189	63%	65%	0.49	38%	43°F
Casement/Awning Picture/Transom, 200 Series Fixed Units (Tempered)	82%	0.89	0.78	186	58%	61%	0.48	39%	44°F
Perma-Shield® Patio Door	82%	0.89	0.78	186	58%	61%	0.48	39%	44°F
Narroline® Gliding Patio Door	82%	0.87	0.75	180	55%	59%	0.48	39%	44°F

High-Performance™ Low-E4® and Low-E Glass (Dual-pane, Low-E, argon blend glass)

Andersen® Product	Visible Light[1]	SC[2]	SHGC[3]	RHG[4]	Fading TUV[5]	Fading TDW[6]	U-Factor[7]	%RH @ center[8]	IGST[9]
Casement/Awning, 400 Series Tilt-Wash, Narroline® Double-Hung, Narroline® Transom, 200 Series Tilt-Wash and Gliding Window	73%	0.48	0.42	99	17%	34%	0.25	61%	56°F
Woodwright® Full-Frame Double-Hung, Woodwright® Insert Double-Hung Window	73%	0.48	0.42	99	17%	34%	0.25	61%	56°F
Casement/Awning Picture/Transom, Double-Hung Picture, Woodwright® Full-Frame Picture/Transom, Woodwright® Insert (Tempered) Window	72%	0.47	0.41	98	16%	33%	0.26	59%	55°F
Picture/Transom, Circle Top®, Oval, Circle, 200 Series Fixed Units	72%	0.47	0.41	98	16%	33%	0.26	59%	55°F
400 Series Gliding Window	72%	0.48	0.41	99	16%	33%	0.25	61%	56°F
Flexiframe®, Arch, Springline®, Full Chord, Gothic, Elliptical, Octagon, Full Round, Quarter Round	70%	0.46	0.40	95	14%	31%	0.25	61%	56°F
Frenchwood® Hinged, Outswing and Gliding Door, Frenchwood® Patio Door Sidelight/Transom, Narroline Gliding Door	71%	0.47	0.41	97	16%	33%	0.25	61%	56°F

High-Performance™ Low-E4® Sun and Low-E Sun Glass (Dual-pane, tinted Low-E, argon blend glass)

Andersen® Product	Visible Light[1]	SC[2]	SHGC[3]	RHG[4]	Fading TUV[5]	Fading TDW[6]	U-Factor[7]	%RH @ center[8]	IGST[9]
Casement/Awning, 400 Series Tilt-Wash, Narroline® Double-Hung, Narroline® Transom, 200 Series Tilt-Wash and Gliding Window	40%	0.29	0.26	62	17%	25%	0.25	61%	56°F
Woodwright® Full-Frame Double-Hung, Woodwright® Insert Double-Hung Window	40%	0.29	0.26	62	17%	25%	0.25	61%	56°F
Casement/Awning Picture/Transom, Double-Hung Picture, Woodwright Full-Frame Picture/Transom, Woodwright Insert (Tempered) Window	40%	0.29	0.25	60	16%	24%	0.26	59%	55°F
Picture/Transom, Circle Top®, Oval, Circle	40%	0.29	0.25	60	16%	24%	0.26	59%	55°F
200 Series Fixed Window	40%	0.29	0.25	60	16%	24%	0.26	59%	55°F
400 Series Gliding Window	40%	0.29	0.26	62	17%	25%	0.25	61%	56°F
Flexiframe®, Arch, Springline®, Full Chord, Gothic, Elliptical, Octagon, Full Round, Quarter Round	37%	0.28	0.24	59	13%	22%	0.25	61%	56°F
Frenchwood® Hinged, Outswing and Gliding Door, Frenchwood® Patio Door Sidelight/Transom, Narroline® Gliding Door	39%	0.29	0.25	60	15%	23%	0.25	61%	56°F

Low-E4® SmartSun™ and Low-E SmartSun Glass (Dual-pane, tinted Low-E, argon blend glass)

Andersen® Product	Visible Light[1]	SC[2]	SHGC[3]	RHG[4]	Fading TUV[5]	Fading TDW[6]	U-Factor[7]	%RH @ center[8]	IGST[9]
Casement/Awning, 400 Series Tilt-Wash Window	65%	0.32	0.27	66	5%	21%	0.24	61%	56°F
Woodwright® Full-Frame Double-Hung, Woodwright® Insert Double-Hung, 200 Series Tilt-Wash and Gliding Window	65%	0.32	0.27	66	5%	21%	0.24	61%	56°F
Casement/Awning Picture/Transom, Double-Hung Picture, Woodwright® Full-Frame Picture/Transom, Woodwright® Insert (Tempered) Window	65%	0.31	0.27	65	5%	21%	0.25	61%	56°F
Flexiframe®, Arch, Springline®, Full Chord, Gothic, Elliptical, Octagon, Full Round, Quarter Round, 200 Series Fixed Window	63%	0.31	0.27	65	4%	20%	0.24	61%	56°F
Frenchwood® Hinged, Outswing and Gliding Door, Frenchwood® Patio Door Sidelight/Transom	64%	0.31	0.27	66	5%	21%	0.24	61%	56°F

- "High-Performance Low-E4" (HP Low-E4), "SmartSun" and "High-Performance Low-E4 Sun" (HP Sun) are Andersen trademarks for "Low-E" glass.
- Based on NFRC testing/simulation conditions using Windows 5.2 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.

[1] Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

[2] Shading Coefficient (SC) defines the amount of heat gain through the glass compared to a single lite of clear 1/8" (3 MM) glass.

[3] Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass both directly transmitted and absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the glass.

[4] Relative Heat Gain (RHG) is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient.

[5] Transmission Ultra-Violet Energy (TUV). The transmission of short wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading.

[6] Transmission Damage Function (TDW). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krochmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential.

[7] U-Factor in this table is a measure of the heat loss through the center of glass in BTU/hr deg. F sq. ft. This U-Factor should not be confused with U-Factor as measured by the National Fenestration Rating Council (NFRC) which represents heat loss through the total unit. Only NFRC total unit U-Factor Ratings should be used when assessing building or energy code compliance.

[8] Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature.

[9] Inside glass surface temperatures are taken at the center of glass.

- This data is accurate as of December 2010. Due to ongoing product changes, updated test results or new industry standards, this data may change over time. Contact your Andersen supplier for current performance information or upgrade options.
- Contact your Andersen supplier or visit andersenwindows.com for center of glass performance data on windows with laminated glass, patterned glass, tempered glass and products ordered with capillary breather tubes.
- PassiveSun™ glass values are available online at andersenwindows.com.

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Smooth-Star® $$

Half Lite 2 Panel | Style No. S206

7 Available Sizes

DESIGN YOUR ENTRYWAY | WHERE TO BUY

FINISH OPTIONS

Alpine

GLASS OPTIONS

Clear

Clear 1 Lite No Grid

Don't see the glass design you want?

In addition to thousands of standard glass choices, we offer additional glass options through our Special Quote Program to help you find the right look for virtually any home.

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View more details on this product

Westlake EE 85102 Outdoor Wall Light

Shown in: Black / Frosted

Description:
Westlake EE 85102 Outdoor Wall Light is a transitional style, perfect for any outdoor lighting. Available with Frosted glass and a Black or Rust Patina finish. One 13 watt, 120 volt CF GU24 base compact fluorescent bulb is included. Title 24 compliant. Wet location rated. 8 inch width x 15 inch height x 8 inch depth.

List Price: $71.25
Our Price: $57.00

Shade Color: Frosted
Body Finish: Black
Lamp: 1 x CF/GU24/13W/120V Compact Fluorescent
Wattage: 13W
Dimmer: Not Dimmable
Dimensions: 15"H x 8"W x 8"D

Technical Information
Luminous Flux: 900 lumens
Lumens/Watt: 69.23
Lamp Color: 2700 K
Color Rendering: 82 CRI
Lamp Life: 10000 hours

Product Number: **MAX496327**					
Company:		Fixture Type:		Date:	Aug 11, 2017
Project:		Approved By:			

Address: 1718 W. Fullerton Ave. Chicago IL 60614
Phone: 866-954-4489
Fax: (773) 883-6131
www.Lightology.com

SUBMITTAL DATA: MXZ-4C36NA2

MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:

Outdoor Unit: MXZ-4C36NA2

ACCESSORIES

- □ 3/8" x 1/2" Port Adapter (MAC-A454JP)
- □ 1/2" x 3/8" Port Adapter (MAC-A455JP)
- □ 1/2" x 5/8" Port Adapter (MAC-A456JP)
- □ 1/4" x 3/8" Port Adapter (PAC-493PI)
- □ 3/8" x 5/8" Port Adapter (PAC-SG76RJ)
- □ M-NET Adapter (PAC-IF01MNT-E)
- □ Base Heater (PAC-645BH-E)

(For data on specific indoor units, see the MXZ-C Technical and Service Manual.)

Specifications			Model Name
Unit Type			MXZ-4C36NA2
Cooling* (Non-ducted / Ducted)	Rated Capacity	Btu/h	35,400 / 34,400
	Capacity Range	Btu/h	12,600-36,400 / 12,600-34,800
	Rated Total Input	W	3,760 / 3,940
Heating at 47°F* (Non-ducted / Ducted)	Rated Capacity	Btu/h	36,000 / 34,400
	Capacity Range	Btu/h	11,400-43,000 / 11,400-41,400
	Rated Total Input	W	3,020 / 3,100
Heating at 17°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	22,200 / 20,300
	Rated Total Input	W	3,340 / 3,450
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	25
	MCA	A	22.1
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC ±24
Compressor			INVERTER-driven Scroll Hermetic
Fan Motor (ECM)		F.L.A.	2.43
Sound Pressure Level	Cooling	dB(A)	54
	Heating		56
External Dimensions (H x W x D)		In (mm)	31-11/32 x 37-13/32 x 13 (796 x 950 x 330)
Net Weight		Lbs (kg)	139 (63)
External Finish			Munsell 3.0Y 7.8/1.1
Refrigerant Pipe Size O.D.	Liquid (High Pressure)	In (mm)	1/4 (12.7)
	Gas (Low Pressure)		A: 1/2 (6.35) ; B,C,D: 3/8 (9.52)
Max. Refrigerant Line Length		Ft (m)	230 (70)
Max. Piping Length for Each Indoor Unit		Ft (m)	82 (25)
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft (m)	49 (15)
	If IDU is Below ODU		49 (15)
Connection Method			Flared/Flared
Refrigerant			R410A

*** Rating Conditions per AHRI Standard:**

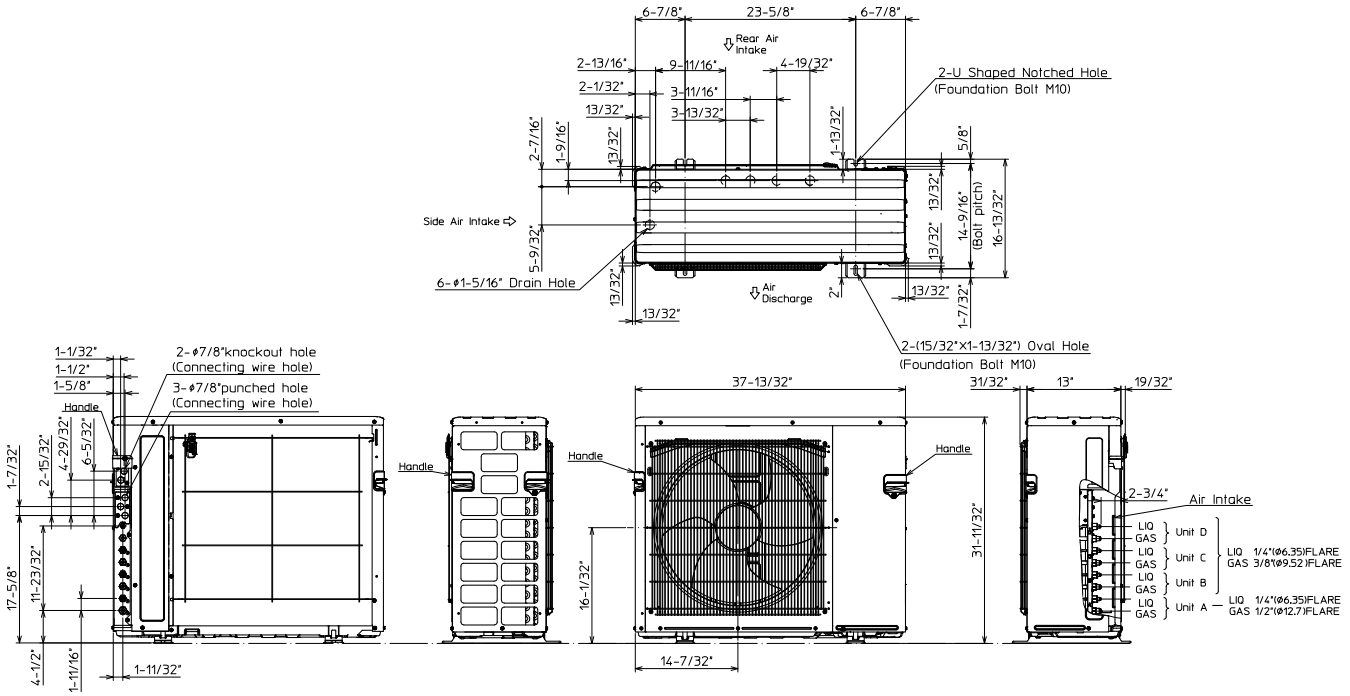
Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 23.9° C (75° F) WB

Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

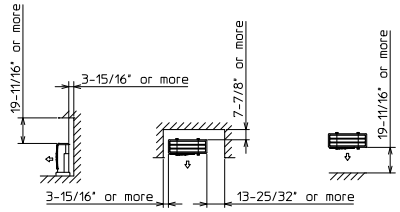
Heating at 17° F | Indoor: 70° F (21° C) DB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

DIMENSIONS: MXZ-4C36NA2

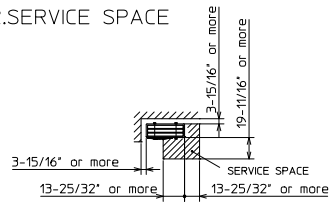
Unit: inch (mm)

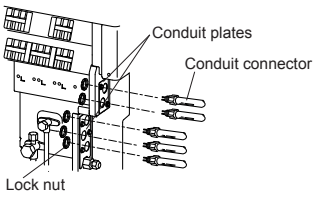


1.FREE SPACE



2.SERVICE SPACE





MITSUBISHI ELECTRIC
COOLING & HEATING

1340 Satellite Boulevard. Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com

FORM# MXZ-4C36NA2 for Multiple Indoor Unit Styles - 201611

Specifications are subject to change without notice.

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO ALL LAWS, RULES, AND REGULATIONS, INCLUDING REFERENCES STANDARDS, OF THE NEW YORK STATE BUILDING CODE, FIRE PREVENTION CODE, FIRE DEPARTMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND THE BEST TRADE PRACTICES. ALL MATERIALS AND EQUIPMENT USED IN THE PROJECT SHALL CONFORM TO, AND HAVE APPROVALS IN ACCORDANCE WITH THE LOCAL MUNICIPALITY, ALL REFERENCE SUBCODES, AND WITH ANY OTHER PUBLIC AUTHORITIES OR AGENCIES OR AGENCIES HAVING JURISDICTION OVER THE PROJECT.
2. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES REQUIRED BY GOVERNING NEW YORK AGENCIES.
3. THE CONTRACTOR SHALL BE LICENSED WITHIN THE COUNTY OF WORK.
4. THE CONTRACTOR SHALL PROVIDE WORKMEN'S COMPENSATION, LIABILITY, AND PROPERTY DAMAGE INSURANCES TO LIMITS AS REQUIRED BY THE LOCAL MUNICIPALITY AND /OR OWNER, AND SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY AND ALL PERMITS REQUIRED BY THE LOCAL BUILDING DEPARTMENT AND ARRANGING FOR ALL REQUIRED NOTIFICATIONS, TESTINGS, INSPECTIONS, AND APPROVALS.
5. THE CONTRACTOR UPON COMPLETION OF THE WORK, SHALL APPLY AND ARRANGE FOR DEPARTMENT OF BUILDINGS INSPECTIONS AND SIGN-OFFS REQUIRED.

6. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK, AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT.
7. IN A RENOVATION OR RESTORATION PROJECT, ALL DIMENSIONS AND CONDITIONS SHOWN ARE APPROXIMATE, AS ALL NEW WORK MUST JOIN AND ALIGN WITH EXISTING CONDITIONS. THE CONTRACTOR SHALL DETERMINE ACTUAL FINISHED DETAILS OF CONSTRUCTION RELATING TO HEIGHTS, SIZES, ETC. BASED ON FIELD MEASUREMENTS, ALL IN ORDER TO JOIN AND ALIGN NEW TO EXISTING WORK.
8. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC.)
10. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
11. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.

12. THE CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR THE SITE AND ADJOINING PROPERTIES, BUILDING STRUCTURES, PAVEMENTS, SIDEWALKS, STREETS, CURBS, LANDSCAPING, UTILITIES, AND IMPROVEMENTS WITHIN THE AREA OF OPERATIONS UNDER THE CONTRACT. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY CLOSURES, GUARD RAILS, BARRICADES, ETC., TO ADEQUATELY PROTECT ALL WORKMEN, OCCUPANTS, AND THE PUBLIC FROM POSSIBLE INJURY. IF NECESSARY, TEMPORARY PROTECTION AND A CHAIN LINK FENCE SHALL BE CONSTRUCTED TO PREVENT UNAUTHORIZED ACCESS TO THE PROJECT SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY VANDALISM OR DAMAGE RESULTING FROM UNAUTHORIZED ACCESS TO THE SITE FOR THE DURATION OF THE PROJECT.
13. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
14. ALL PIPING AND WIRING SHALL BE REMOVED TO A POINT OF CONCEALMENT AND SHALL BE PROPERLY CAPPED OR PLUGGED.
15. CONTRACTOR SHALL PROVIDE FOR THE LEGAL REMOVAL AND DISPOSITION OF RUBBISH AND DEBRIS, AND FOR THE GENERAL CLEANING FOR THE FOR THE DURATION OF THE PROJECT. THE SITE SHALL BE LEFT DAILY WITH ALL MATERIALS AND TOOLS STORED IN AN ORDERLY FASHION, WITH ALL AREAS BROOM SWEPT. NO ACCUMULATION OF DIRT OR DEBRIS SHALL BE PERMITTED. UPON PROJECT COMPLETION, THE CONTRACTOR SHALL LEAVE THE PREMISES FREE AND CLEAR OF ALL RUBBISH AND DEBRIS, AND IN A BROOM SWEPT CONDITION.
16. ALL EXPOSED FINISHED SURFACES SHALL BE TREATED, CLEANED, VACUUMED, OR POLISHED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
17. DISTURBANCE OR DAMAGE RESULTING DIRECTLY OR INDIRECTLY FROM THE OPERATION OF THE CONTRACTOR, INCLUDING DAMAGE TO LAWNS, PLANTINGS, OR OTHER LANDSCAPE ITEMS, SHALL BE PROMPTLY RESTORED, REPAIRED, AND/OR REPLACED TO THE COMPLETE SATISFACTION OF THE ARCHITECT AND OWNER AT NO ADDITIONAL COST TO THE OWNER.
19. UNLESS OTHERWISE PROVIDED, THE ARCHITECT AND ARCHITECT'S CONSULTANTS, INCLUDING EQUIPMENT MANUFACTURERS AND THEIR REPRESENTATIVES, SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE. THIS INCLUDES, BUT IS NOT LIMITED TO: ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB), LEAD PAINT CONTAMINANTS, OR ANY OTHER TOXIC SUBSTANCES OR CONTAMINATE. SHOULD ANY HAZARDOUS MATERIAL BE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL CEASE WORK IMMEDIATELY AND REVIEW THE PROJECT CONDITIONS WITH THE ARCHITECT AND OWNER PRIOR TO PROCEEDING WITH ANY WORK OF THE CONTRACT.
20. EXCAVATION FOR UTILITY PIPING OR FOUNDATIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. CONTRACTOR SHALL NOTIFY THE LOCAL BUILDING DEPARTMENT AND/OR UTILITY COMPANY TO DETERMINE LOCATIONS OF ANY EXISTING UNDERGROUND UTILITIES, AND PROVIDE PROTECTION FOR SAME DURING EXCAVATION PROCEDURES.

21. THESE DRAWINGS AS ARTICLES OF SERVICE ARE PROPERTY OF THE ARCHITECT AND SHALL NOT BE USED FOR OTHER BUILDINGS, PROJECTS, OR PROPOSALS, OR PORTIONS THEREOF UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT. IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF THE ARCHITECT, TO ALTER THIS DOCUMENT IN ANY WAY. THE INFORMATION, CONCEPTS, IDEAS, AND DESIGN CONTAINED IN THESE DOCUMENTS ARE PROTECTED BY UNITED STATES COPYRIGHT LAWS.

TENANT SAFETY NOTES

1. MEANS OF EGRESS: ALL EXISTING MEANS OF EGRESS FOR USERS OF THE BUILDING ARE TO BE MAINTAINED CLEAR AND FREE OF ALL OBSTRUCTIONS SUCH AS BUILDING MATERIALS, TOOLS, ETC.
2. FIRE SAFETY: ALL BUILDING MATERIALS STORED AT CONSTRUCTION AREA, AND/OR IN ANY AREA OF THE BUILDING ARE TO BE SECURED IN A LOCKED AREA. ACCESS TO SUCH AREAS TO BE CONTROLLED BY THE OWNER AND/OR GENERAL CONTRACTOR.
3. DUST CONTROL: DEBRIS, DIRT, AND DUST ARE TO BE KEPT TO A MINIMUM, & CONFINED TO THE IMMEDIATE CONSTRUCTION SITE. NO ACCUMULATION OF DEBRIS IS ALLOWED. CONSTRUCTION AREAS AND AFFECTED AREAS MUST BE KEPT ORDERLY AND BROOM SWEPT DAILY.
4. NOISE AFTER HOURS: CONSTRUCTION OPERATIONS WILL BE CONFINED TO BUILDING ALLOWABLE WORKING HOURS, 8:00 AM TO 6:00 PM, MONDAYS THROUGH SATURDAY.
5. CONSTRUCTION WORK WILL BE CONFINED TO THE PROPOSED CONSTRUCTION FLOORS OR AREAS. CONTRACTOR TO LIMIT THE AMOUNT OF DUST, DIRT, DEBRIS OR OTHER INCONVENIENCES CREATED BY THE CONSTRUCTION, TO THE IMMEDIATE CONSTRUCTION SITE.
6. PORTIONS OF THE BUILDING WILL BE OCCUPIED DURING THE COURSE OF CONSTRUCTION WORK.

ELECTRICAL NOTES

1. EXAMINE DRAWINGS AND BECOME FULLY INFORMED OF THE EXTENT AND CHARACTER OF WORK TO BE PERFORMED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
2. SUPPLY AND INSTALL ALL ITEMS, ARTICLES, MATERIALS, & OPERATIONS INCLUDING ALL LABOR, EQUIPMENT, MATERIALS, & TOOLS NECESSARY TO COMPLETE ALL SYSTEMS SHOWN ON DRAWINGS, RENDERING A COMPLETE INSTALLATION.
3. OBTAIN ALL PERMITS REQUIRED. ARRANGE FOR INSPECTION OF THE WORK BY INSPECTION AUTHORITY, AND PAY ALL FEES. PROVIDE FINAL CERTIFICATE TO THE CLIENT/OWNER.
4. CONFORM TO THE REQUIREMENTS OF THE ELECTRICAL CODE AND THE RULES & BY-LAWS OF ALL AUTHORITIES HAVING JURISDICTION.
5. ALL MATERIAL EQUIPMENT SHALL BE NEW, UL APPROVED, BEARING THE UL STAMP, AND BE COMMERCIAL GRADE UNLESS OTHERWISE NOTED.
6. PROVIDE TEMPORARY ELECTRICAL POWER FOR THE WORK OF OTHER TRADES AS REQUIRED BY THE GENERAL CONTRACTOR. 7. PROVIDE TYPED CIRCUIT DIRECTORIES FOR PANELBOARDS. 8. PROVIDE A CERTIFICATE OF GUARANTEE OF WORKMANSHIP AND MATERIAL FOR ONE YEAR FROM DATE OF ACCEPTANCE. SUBMIT "AS-BUILT" DRAWINGS WITH ONE SET OF MARKED UP PRINTS TO CLIENT/OWNER AFTER COMPLETION OF WORK.

NOTE: PROVIDE HARDWIRED, INTERCONNECTED SMOKE DETECTORS IN SLEEPING ROOMS, AND IN HALLWAYS OUTSIDE OF BEDROOMS. PROVIDE COMBO SD/CO EACH INHABITABLE FLOOR OF DWELLING PER NYS CODE R313

DEMOLITION NOTES

1. CONTRACTOR SHALL PERFORM ALL OPERATIONS OF DEMOLITION AND REMOVAL INDICATED ON THE DRAWINGS AND AS MAY BE REQUIRED BY THE WORK. ALL WORK SHALL BE DONE CAREFULLY AND NEATLY, IN A SYSTEMATIC MANNER.
2. ALL EXISTING SURFACES AND EQUIPMENT TO REMAIN SHALL BE FULLY PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE AND SHALL MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.
3. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AS THE JOB PROCEEDS. LEGALLY DISPOSE OF MATERIALS OFF-SITE. THE SITE SHALL BE LEFT BROOM CLEAN AT THE COMPLETION OF DEMOLITION.
4. NO STRUCTURAL ELEMENTS SHALL BE REMOVED UNLESS PORTIONS AFFECTED ARE ADEQUATELY SUPPORTED BY EITHER TEMPORARY OR NEW STRUCTURAL ELEMENTS AS REQUIRED TO PROTECT THE STABILITY AND INTEGRITY OF THE EXISTING STRUCTURE.
5. REMOVE OR RELOCATE ALL WIRING, PLUMBING, AND MECHANICAL EQUIPMENT AFFECTED BY REMOVAL OF PARTITIONS. REMOVED PIPES AND OR LINES SHALL BE CUT TO A POINT OF CONCEALMENT BEHIND OR BELOW FINISH SURFACES, AND SHALL BE PROPERLY CAPPED OR PLUGGED. MAINTAIN EXISTING UTILITIES TO REMAIN AND PROTECT AGAINST DAMAGE DURING DEMOLITION. DO NOT INTERRUPT EXISTING BUILDING UTILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY THE ARCHITECT AND/OR OWNER.
6. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL TEMPORARY BARRIERS AND GUARDS, AND ALL TEMPORARY SHORING AND BRACING AS REQUIRED BY DEPARTMENT OF BUILDINGS' RULES AND REGULATIONS.
7. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE BUILDING AND ITS CONTENTS DURING THE COURSE OF THE WORK. ALL OPENINGS SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER PENETRATION.
8. OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF ITEMS OR STRUCTURES TO BE DEMOLISHED.
9. SCHEDULE FREIGHT ELEVATOR HOURS OF OPERATION (AS REQUIRED), DUMPSTER LOCATION, AND EXIT ROUTE WITH ARCHITECT AND/OR OWNER IN ADVANCE.
10. DO NOT USE CUTTING TORCHES FOR REMOVALS.
11. IF UNANTICIPATED MECHANICAL, ELECTRICAL OR STRUCTURAL ELEMENTS CONFLICT WITH DEMOLITION, REPORT THE NATURE AND EXTENT OF THE CONFLICT TO THE ARCHITECT IN WRITTEN, ACCURATE DETAIL. PENDING RECEIPT OF INSTRUCTIONS, REARRANGE DEMOLITION SCHEDULE TO MAINTAIN PROGRESS.
12. IF ASBESTOS CONTAINING MATERIALS ARE ENCOUNTERED OR SUSPECTED, NOTIFY OWNER AND BUILDING MANAGEMENT. CEASE DEMOLITION WORK IN THE AFFECTED AREA UNTIL ARCHITECT AND/OR OWNER ISSUES INSTRUCTION TO RESUME WORK.

STRUCTURAL NOTES

1. ALL STRUCTURAL WORK SHALL COMPLY WITH THE STATE OF NEW YORK BUILDING CODE.
2. STRUCTURAL WORK SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND THE SPECIFICATIONS.
3. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AND MAKE SAFE ALL FLOORS, ROOFS, WALLS, AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE.
4. ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL OF MINIMUM BEARING CAPACITY EQUAL TO 4000 PSF. THE ADEQUACY OF THE BEARING STRATUM SHALL BE VERIFIED IN THE FIELD PRIOR TO FOURING THE CONCRETE, BOTTOM OF FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED IN THE FIELD.
5. ENGINEERED FILL, IF REQUIRED, SHALL BE PLACED IN 8 INCH LIFTS, COMPACTED TO 95 % MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
6. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL ALL FLOORS OR ROOFS BRACING THESE WALLS ARE IN PLACE.
7. ALL CONCRETE SHALL BE NORMAL WEIGHT AGGREGATE OF MINIMUM COMPRESSIVE STRENGTH EQUAL TO 3000 PSI AT AGE 28 DAYS. CONCRETE WORK SHALL CONFORM TO ACI 301, "SPECIFICATIONS FOR CONCRETE FOR BUILDINGS", AND ALL RECOMMENDED PRACTICES CONTAINED THEREIN SHALL BE CONSIDERED MANDATORY FOR THIS PEOJECT.
8. ALL FOUNDATION CONCRETE AND GARAGE FLOOR SLAB SHALL BE AIR-ENTRAINED CONCRETE.
9. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.
10. WELDED WIIEE MESH CWWM SHALL CONFORM TO ASTM AI85 .
11. SLABS ON GROUND SHALL BE 4 INCHES THICK POURED OVER A 6-INCH LAYER OF POROUS FILL (UNLESS OTHERWISE SHOWN ON PLANS). PROVIDE 6" x 6" – W 1.4 x W 1.4 WELDED WIRE MESH 1 INCH BELOW TOP OF SLAB FABRIC PLACED . SLABS SHALL BE POURED IN ALTERNATE PANELS NOT EXCEEDING 2500 SQUARE FEET OR 80 FEET IN ANY ONE DIRECTION.
12. ALL STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. ALL SHAPES AND PLATES SHALL BE ASTM A36. ALL PIPES SHALL BE ASTM A53 TYPE E OR S GRADE B.
13. BOLTS SHALL BE A307, 3/4 INCH DIAMETER MINIMUM, UNLESS NOTED OTHERWISE.
14. WELDING ELECTRODES SHALL BE ASTM A233, CLASS E60XX.
15. ALL WOOD FRAMING INCLUDING DETAILS FOR BRIDGING, BLOCKING, FIRE STOPPING, ETC. SHALL CONFORM TO THE LATEST ISSUE OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" AND ITS SUPPLEMENTS. FRAMING SHALL BE INSTALLED IN ACCORDANCE WITH THE NFPA "MANUAL FOR HOUSE FRAMING" AND NAILING SHALL BE IN ACCORDANCE WITH APPENDIX C OF THE BOCA CODE.
16. FRAMING LUMBER SHALL HAVE EACH PIECE GRADE STAMPED, SHALL BE SURFACE DRY (EXCEPT STUDS WHICH SHALL BE KILN DRIED) AND SHALL CONFORM TO THE FOLLOWING SPECIE AND GRADE: RAFTERS, PURLINS, JOISTS DOUGLAS FIR-LARCH #2 BEAMS, GIRDERS, HEADERS DOUGLAS FIR-LARCH #1 STUDS, COLUMN, PLATES DOUGLAS FIR-LARCH STUD GRADE
17. ALL FACTORY MANUFACTURED GLUE LAMINATED WOOD FRAMING MEMBERS SHALL BE BY TRUS JOIST MACMILLAN.
18. ALL FLUSH FRAMED CONNECTIONS SHALL BE MADE WITH APPROVED GALVANIZED STEEL JOIST OR BEAM HANGERS, MINIMUM 18 GAUGE, BY SIMPSON STRONG TIE, INSTALLED AS PER MANUFACTURERS RECOMMENDATION.
19. WHERE FRAMING LUMBER IS FLUSH FRAMED TO A ENGINEERED BEAM, GLU LAM FLITCH PLATE OR STEEL BEAM, SET THESE BEAMS 1/2 INCH CLEAR BELOW TOP OF FRAMING LUMBER TO ALLOW FOR SHRINKAGE.
20. STUD BEARING WALLS SHALL BE 2" x 6" AT 16" ON CENTER AT THE EXTERIOR 21. ALL RAFTERS AND JOISTS SHALL ALIGN DIRECTLY WITH STUDS BELOW. WHERE REQUIRED INSTALL ADDITIONAL STUDS.
22. AT THE ENDS OF ALL BEAMS AND GIRDERS PROVIDE A BUILT UP COLUMN WHOSE WIDTH IS AT LEAST EQUAL TO THE WIDTH OF THE MEMBER IT IS SUPPORTING AND WHOSE DEPTH MATCHES THE DEPTH OF THE ADJACENT STUDS. POST DOWN TO FOUNDATION, U.O.N.
23. USE DOUBLE STUDS AT THE END OF ALL WALLS AND WALL OPENINGS.
24. USE DOUBLE HEADERS AND TRIMMERS AT ALL FLOOR OPENINGS WHERE BEAMS ARE NOT INDICATED.
25. LAP ALL PLATES AT CORNERS AND AT THE INTERSECTION OF PARTITIONS. PROVIDE HEADERS OVER ALL
26. UNLESS OTHERWISE NOTED, PROVIDE OPENINGS AS FOLLOWS: INTERIOR WALLS (2) – 2" x 10" EXTERIOR WALLS (3) – 2" x 10"
27. STAGGER ALL SPLICES A MINIMUM OF 32".
28. BRIDGING FOR SPANS UP TO 14 FEET, PROVIDE ONE ROW. BRIDGING FOR SPANS OVER 14 FEET, PROVIDE TWO ROWS.
29. BUILT UP BEAMS SHALL BE SPIKED WITH (2) – 16d NAILS AT 16" ON CENTER.
30. PLYWOOD SHALL BE APA GRADE STAMPED AND SHALL NOT EXCEED THE SPANS INTENDED FOR USE ON THE GRADE STAMP. ALL PLYWOOD SHALL BE MADE WITH EXTERIOR GLUE AND SHALL HAVE THE FOLLOWING THICKNESS': ROOFS ½" FLOORS 3/4" WALLS ½"
31. ALL PLYWOOD SHALL BE GLUE NAILED TO FLOOR JOISTS USING AN APA APPROVED ADHESIVE. (B.F. GOODRICH PL 400 OR EQUAL)
32. USE HURRICANE ANCHORS BY SIMPSON STRONG TIE AT THE ENDS OF ALL RAFTERS.
33. LINTELS SHALL BE INSTALLED OVER ALL NEW OPENINGS IN MASONRY WALLS AS FOLLOWS: MASONRY OPENING LINTEL 4'-0" OR LESS L4 x 3 ½" x 5/16" 4'-1" TO 5'-0 L5 x 3 ½" x 5/16" a) 3 1/2 LEGS ARE HORIZONTAL b) PROVIDE ONE 'L' FOR EACH 4" OF WALL THICKNESS c) MINIMUM BEARING 6" EACH END
34. LIVE LOAD SCHEDULE ROOF 30 PSF SECOND FLOOR 40PSF FIRST FLOOR 40PSF

PLUMBING AND DRAINAGE NOTES

1. ALL PLUMBING AND GAS PIPING WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF NEW YORK STATE PLUMBING CODE, AND ALL OTHER APPLICABLE COUNTY AND MUNICIPAL CODES.
2. PLUMBING CONTRACTOR TO EXAMINE PROPOSED LAYOUT WITH REGARD TO EXISTING FIELD CONDITIONS, AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS.
3. PLUMBING CONTRACTOR SHALL INFORM ARCHITECT OF ANY REVISIONS TO THE PLANS DUE TO FIELD CONDITIONS OR COMPLIANCE WITH REQUIREMENTS OF THE APPLICABLE CODES.
4. PLUMBING CONTRACTOR SHALL ARRANGE AND OBTAIN INSPECTIONS AND ALL REQUIRED SIGN-OFFS.

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	CLG	CEILING	ELEV	ELEVATOR	HGT	HEIGHT	O.C.	ON CENTER	SIM	SIMILAR
AFF	ABOVE FINISHED FLOOR	CLO., CLOS.	CLOSET	ENCL	ENCLOSURE	HM	HOLLOW METAL	OP'NG	OPENING	SPECS	SPECIFICATIONS
APPL.	APPLIANCE	CMU	CONCRETE MASONRY UNIT	EXIST., EX'G	EXISTING	HW	HOT WATER	OPP.	OPPOSITE	STL	STEEL
BB.	BASE BOARD	C.O.	CLEAN OUT	F.B.O.	FURNISHED BY OWNER	ICE	ICEMAKER	P-LAM	PLASTIC LAMINATE	S.S.	STAINLESS STEEL
BD.	BOARD	COL	COLUMN	FDN	FOUNDATION	INFO	INFORMATION	PLYWD	PLYWOOD	TR	TRASH RECEPTACLE
BET	BETWEEN	CONC	CONCRETE	FG	FIBERGLASS	MAX	MAXIMUM	P.T.	PRESSURE TREATED	TYP.	TYPICAL
BLDG	BUILDING	C.T.	CERAMIC TILE	FL., FLR.	FLOOR	MBATH	MASTER BATHROOM	PTD	PAINTED	U.O.N.	UNLESS OTHERWISE NOTED
BLKG	BLOCKING	CW	COLD WATER	FTG.	FOOTING	MBR	MASTER BEDROOM	RCP	REFLECTED CEILING PLAN	VCT	VINYL COMPOSITION TILE
BM.	BEAM	DTLS	DETAILS	GALV	GALVANIZED	MIN	MINIMUM	REF	REFRIGERATOR	V.I.F.	VERIFY IN FIELD
B.O.	BY OTHERS	DR.	DOOR	GC	GENERAL CONTRACTOR	MTD	MOUNTED	REQ'D	REQUIRED	WD	WOOD
BR	BRICK	DWGS	DRAWINGS	GL	GLASS	MTL	METAL	RM.	ROOM	WIN.	WINDOW
CABT.	CABINET	DWR	DRAWER			MW	MICROWAVE	SECT	SECTION		

Energy Notes – ECC of NYS – Climate Zone 4 –Table 402.1.1

	Min. Req'd U-factor or R-value	Proposed at new construction
Ceiling	R-49	R-49
Walls	R-20	R-20
Floor	R-19	R-19
Bsmt or Crawl Space	R-10 cont. / R-13 non-cont.	R-13
Slab on Grade	R-10 2'depth	
Windows	0.35	0.35
Skylights	0.55	0.55

Uniform Design Loads (p.s.f.)

	Dead Load	Live Load	DL & LL
1st Floor	10	40	50
2nd Floor	10	30	40
Ext. Wall	12		12
Int. Wall	8		8
Ceiling	10		10
Deck	6	45	51
Roof	15	45	60

Certification

I, Mitchell Koch, Architect, certify that these plans and specifications, to the best of my knowledge, comply with the New York State Energy Conservation Code.

REGISTERED ARCHITECT MITCHELL DAVID KOCH 028170-1 STATE OF NEW YORK

Mitchell Koch, R.A.

WALL TYPES

- EXISTING TO REMAIN
- REMOVE EXISTING
- NEW REINF. CONC./CMU FDN WALL
- NEW EXT WALL: WD SHINGLES (TO MATCH EXIST), 1/2" CDX PLYWD, 2X6 FRMG, R20 BATT INSUL, 1/2" TYPE X GYP BD.
- NEW INT. PARTION: 2X4 FRMG, 1/2" GYP BD. BOTH SIDES (ALIGN W/ EXIST WALLS)
  - –PROVIDE SOUND ATTENUATION BATT IN WALLS BORDERING BATH
  - –USE 2X6 FRAMING FOR ALL POCKET DOOR WALLS
  - –USE CEMENTICIOUS BD. ON BATH SIDE.

SYMBOL LEGEND

- DTL NUMBER / DTL NUMBER
- DTL NUMBER, ARROW FOR ELEV VIEW DIRECTION, DWG NUMBER, TAG INDICATES SECTION CUT AND DIRECTION — DETAIL TAG
- NAME X — ROOM NAME AND NUMBER
- WALL TYPE INDICATOR
- WINDOW NUMBER
- DOOR NUMBER
- FIN FLR ELEV. +0'-0" — ELEVATION MARKER

GREENCODE COMPLIANCE NOTES:

LIGHT TRESPASS:

LIGHT ZONE 2 – LOW(PRIMARILY RESIDENTIAL ZONES, NEIGHBORHOOD BUSINESS DISTRICTS; LIGHT INDUSTRIAL AREAS WITH LIMITED NIGHTTIME USE AND RESIDENTIAL MIXED-USE AREAS).

EXTERIOR LIGHTING MUST BE DESIGNED SO THAT ALL SITE AND BUILDING-MOUNTED LUMINAIRES PRODUCE A MAXIMUM INITIAL ILLUMINANCE VALUE NO GREATER THAN 0.10 HORIZONTAL AND VERTICAL FOOTCANDLES (1.0 HORIZONTAL AND VERTICAL LUX) AT THE PROJECT BOUNDARY AND NO GREATER THAN 0.01 HORIZONTAL FOOTCANDLES (0.1 HORIZONTAL LUX) 10 FEET (3 METERS) BEYOND THE PROJECT BOUNDARY. DOCUMENTATION MUST BE SUBMITTED TO SHOW THAT NO MORE THAN 2% OF THE TOTAL INITIAL DESIGNED FIXTURE LUMENS (SUM TOTAL OF ALL FIXTURES ON SITE) WILL BE EMITTED AT AN ANGLE OF 90 DEGREES OR HIGHER FROM NADIR (STRAIGHT DOWN).

LIGHT ZONE 3 – MEDIUM (COMMERCIAL/ INDUSTRIAL, AND HIGH-DENSITY RESIDENTIAL).

EXTERIOR LIGHTING MUST BE DESIGNED SO THAT ALL SITE AND BUILDING-MOUNTED LUMINAIRES PRODUCE A MAXIMUM INITIAL ILLUMINANCE VALUE NO GREATER THAN 0.20 HORIZONTAL AND VERTICAL FOOTCANDLES (2.0 HORIZONTAL AND VERTICAL LUX) AT THE PROJECT BOUNDARY AND NO GREATER THAN 0.01 HORIZONTAL FOOTCANDLES (0.1 HORIZONTAL LUX) 15 FEET (4.5 METERS) BEYOND THE SITE. DOCUMENTATION MUST BE SUBMITTED TO SHOW THAT NO MORE THAN 5% OF THE TOTAL INITIAL DESIGNED FIXTURE LUMENS (SUM TOTAL OF ALL FIXTURES ON SITE) ARE EMITTED AT AN ANGLE OF 90 DEGREES OR HIGHER FROM NADIR (STRAIGHT DOWN).

ENERGY UTILIZATION EQUIPMENT

1. EXTERIOR LIGHTING. LIGHTING CONTROLS FOR ALL EXTERIOR LIGHTING SHALL COMPLY WITH SECTION 9.4.1.3 OF ANSI/ASHRAE/IESNA STANDARD 90. 1-2007, WITHOUT AMENDMENTS.
3. HIGH EFFICIENCY COOLING EQUIPMENT. ALL NEW OR REPLACEMENT COOLING EQUIPMENT SHALL HAVE A SEASONAL ENERGY EFFICIENCY RATIO ("SEER") OF AT LEAST 16.
4. FIXTURES AND APPLIANCES. ALL NEW OR REPLACEMENT APPLIANCES GOVERNED BY ENERGY STAR, SUCH AS BUT NOT LIMITED TO, DISHWASHERS, REFRIGERATORS, FREEZERS, WASHING MACHINES, WATER HEATERS, AND ROOM AIR CONDITIONERS, SHALL BE COMPLIANT WITH ENERGY STAR.

ENERGY USE CONTROLS

1. ELECTRONIC THERMOSTAT. ALL HEATING AND COOLING SYSTEMS MUST BE CONTROLLED WITH A PROGRAMMABLE THERMOSTAT THAT ALLOWS FOR A VARIETY OF TIME-OF-DAY AND SEASONAL SETTINGS.

ENERGY USE MONITORING

1. ENERGY MONITOR DASHBOARD. AN ENERGY MONITOR DASHBOARD MUST BE INSTALLED TO PROVIDE A READING OF THE ENERGY USE FOR THE ENTIRE STRUCTURE EITHER VIA A CENTRAL MONITORING SYSTEM OR VIA SUBMONITORS IF SUBMETERS ARE PROVIDED. THIS SECTION DOES NOT APPLY TO RESIDENTIAL STRUCTURES SUBJECT TO PART 2 REQUIREMENTS. THIS SECTION ALSO DOES NOT APPLY TO ADDITIONS AND ALTERATIONS UNLESS A NEW HEATING, VENTILATION, AND AIR CONDITIONING ('HVAC") SYSTEM IS INSTALLED THAT SERVES THE ENTIRE STRUCTURE.

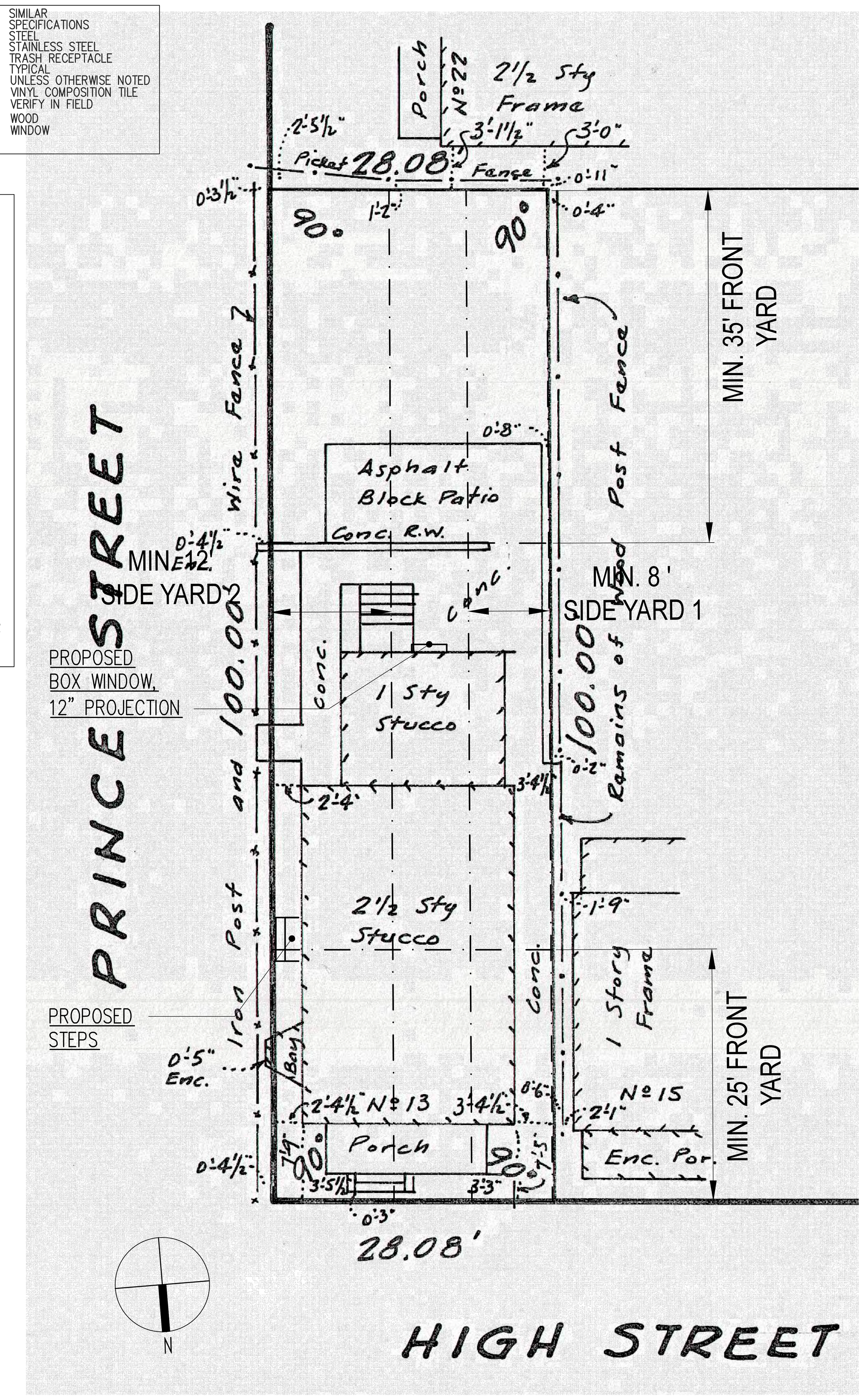
INTERIOR WATER USE

1. TOILETS AND URINALS. ANY NEWLY INSTALLED OR REPLACED TOILET OR URINAL MUST BE EITHER LOW FLUSH TOILETS EQUAL TO OR LESS THAN 1.28 GALLONS PER FLUSH ("GPF") OR DUAL-FLUSH TOILETS WHERE THE LOW FLUSH FEATURE IS NO MORE THAN 1.28 GPF.
2. SHOWERS. ANY NEWLY INSTALLED OR REPLACED SHOWER HEAD MUST PROVIDE AN AVERAGE FLOW RATE OF NO MORE THAN 2 GALLONS PER MINUTE ("GPM").
3. LAVATORY FAUCETS. ANY NEWLY INSTALLED OR REPLACED LAVATORY FAUCET MUST PROVIDE AN AVERAGE FLOW RATE OF NO MORE THAN 2 GALLONS PER MINUTE ("GPM").

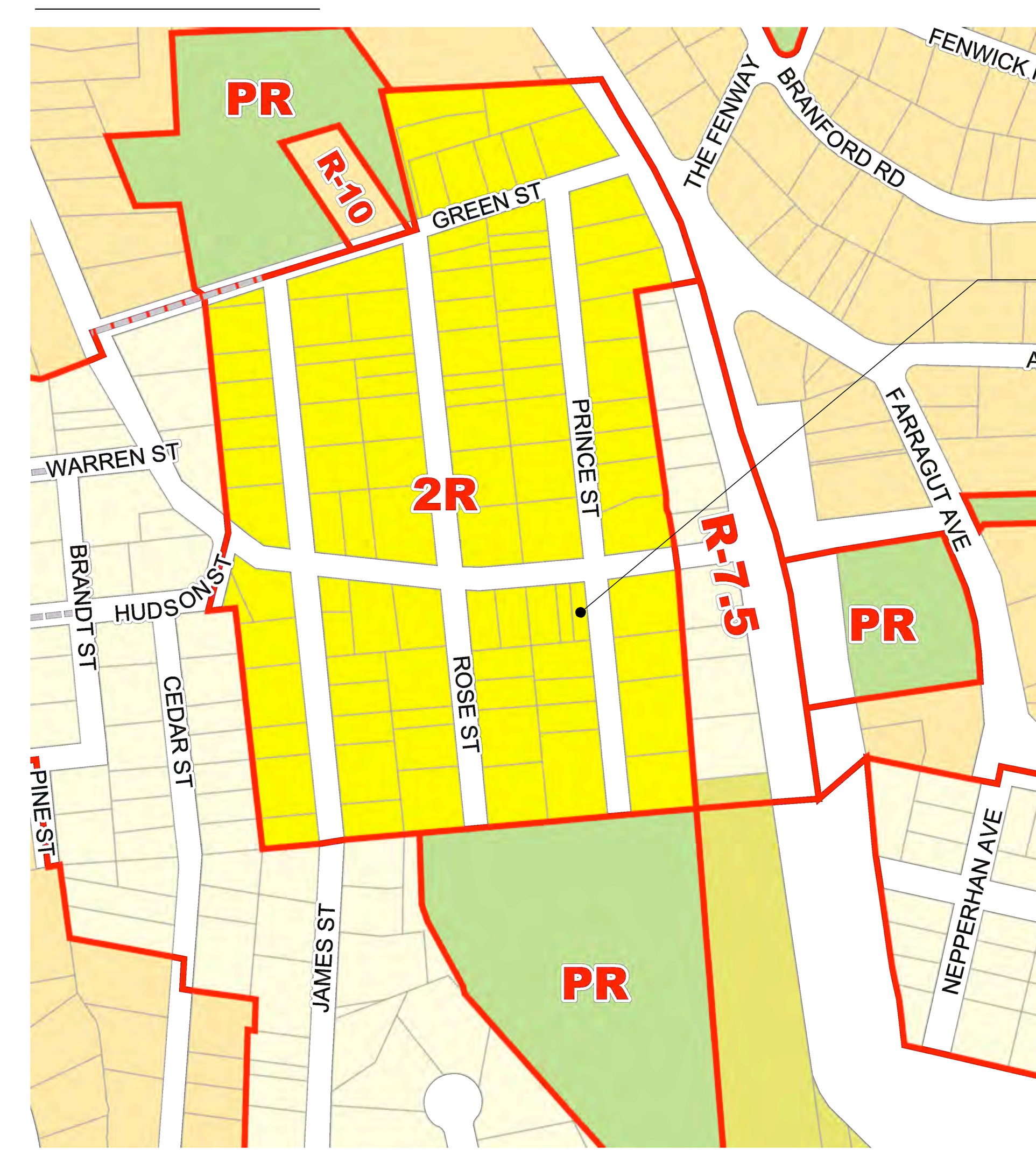
MATERIALS AND INDOOR ENVIRONMENTAL QUALITY (FINISH NOTES):

1. PAINTS, COATINGS, AND PRIMERS APPLIED TO INTERIOR SURFACES SHALL NOT EXCEED THE FOLLOWING VOC CONTENTS (AS ESTABLISHED BY GREEN SEAL STANDARD GC-11, PAINTS, EDITION 3.1, JULY 2013, AS AMENDED); FLAT PAINT; 50G/L FLAT, NON-FLAT PAINT; 150G/L NON-FLAT.
2. CLEAR WOOD FINISHES, FLOOR COATINGS, STAINS, SEALERS, AND SHELLACS, APPLIED TO INTERIOR SURFACES, SHALL NOT EXCEED THE FOLLOWING VOC CONTENT LIMITS (AS ESTABLISHED BY SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1113, ARCHITECTURAL COATINGS, JUNE 3, 2011, AS AMENDED); VARNISH; 275G/L, LAQUER: 275G/L, SHELLAC; 730 G/L CLEAR, 550 G/L PIGMENTED, SEALERS; 100 G/L WATERPROOFING, 275 G/L SANDING, 100 G/L ALL OTHERS.
3. CARPET ADHESIVE SHALL NOT EXCEED A VOC CONTENT LIMIT OF 50 G/L.
4. NO MATERIALS SHALL CONTAIN ADDED UREA FORMALDEHYDE.
5. A LIST OF PERMISSIBLE LOW-VOC FINISHES APPLICABLE TO THIS SECTION SHALL BE MAINTAINED BY THE BUILDING DEPARTMENT. GC TO PREPARE AND SUBMIT DOCUMENTATION OF COMPLIANCE WITH THIS SECTION TO THE BUILDING INSPECTOR.
7. CONSTRUCTION WASTE MANAGEMENT. A MINIMUM OF 25% OF CONSTRUCTION WASTE BY WEIGHT SHALL BE RECYCLED, REPURPOSED AND/OR REUSED AND NOT SENT TO A LANDFILL OR INCINERATOR. GC TO PREPARE AND SUBMIT DOCUMENTATION OF COMPLIANCE WITH THIS SECTION TO THE BUILDING INSPECTOR.

GENERAL NOTES:
WHERE EXTERIOR WALLS ARE OPEN OR NEW, INSULATE TO R-13 MIN.
GC TO OBTAIN SIGN FROM HOH BLDG DEPT INDICATING USE OF ENGINEERED WOOD/TRUSS CONSTRUCTION. GC TO MOUNT SIGN NEXT TO ELECTRIC METER.
ALL SAFETY GLASS TO BE LASER OR ACID ETCHED



LOCATION



A1.0

REVISION

10.23.17	PERMIT SET

A 1.0 GENERAL NOTES
A 2.0 PLANS
A 3.0 ELEVATIONS

RENOVATION TO 1st FL. APARTMENT AT ASHBY RESIDENCE

13 HIGH ST.
HASTINGS-ON-HUDSON NY 10706

GENERAL NOTES
LOCATION
EXISTING CONDITION
ZONING

mitchell koch architects 20 marble terrace hastings on hudson new york 10706 tel 914.623.0230 fax 914.219.1929 email mail@mkastudio.com

PROVIDE FIREBLOCKING PER R602.8 IN FRAMING TO CUT OFF ALL CONCEALED DRAFT OPENINGS (VERTICAL & HORIZONTAL) TO FORM A FIRE BARRIER BETWEEN STORIES & BETWEEN THE TOP STORY & ROOF.
INSTALL 2" NOMINAL LUMBER BLOCKING OR FILL WITH MINERAL WOOL THE ENTIRE CROSS SECTION OF CAVITY IN THE FOLLOWING LOCATIONS:
1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, VERTICALLY AT CEILING AND FLOOR LEVELS & HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FT.
2. AT ALL INTERCONNECTIONS BETWEEN SPACES IN SOFFITS, DROPPED CEILINGS AND COVE CEILINGS.
3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP & BOTTOM OF RUN.

STRUCTURAL NOTES

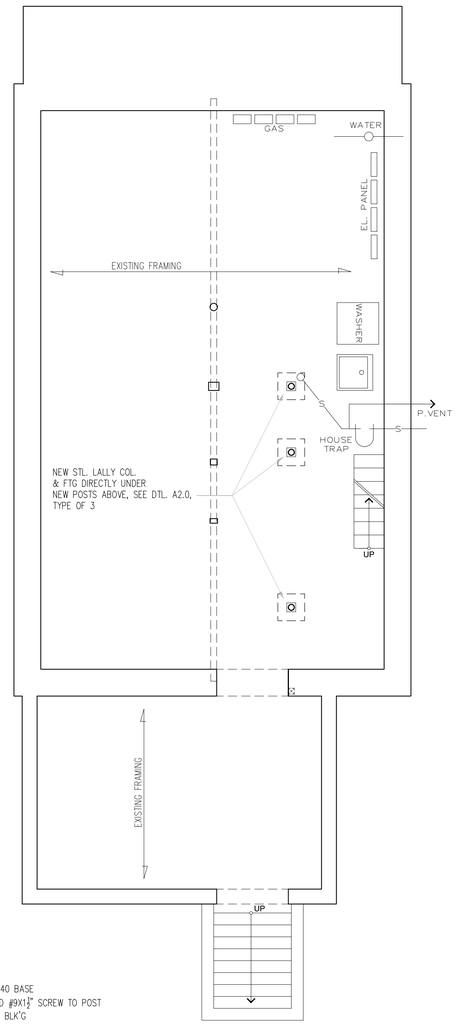
CONTRACTOR TO VERIFY INTEGRITY ALL FRAMING MEMBERS INFORM ARCHITECT IF DAMAGED FRAMING OR INSUFICIENT/UNSTABLE STRUCTURAL CONDITION FOUND.

ROUND BSMT COLUMNS, CAP & BASE BY "DEAN COLUMN CO." OR EQUAL

ALL STRUCTURAL BOLTS SHALL BE A325, USE GALVANIZED BOLTS, AMCHOR & RODS IN CONTACT W/ CONCRETE, USE "SIMPSON SET ADHESIVE SYSTEM" FOR FASTENING TO MASONRY – EXPANSION BOLTS NOT ALLOWED

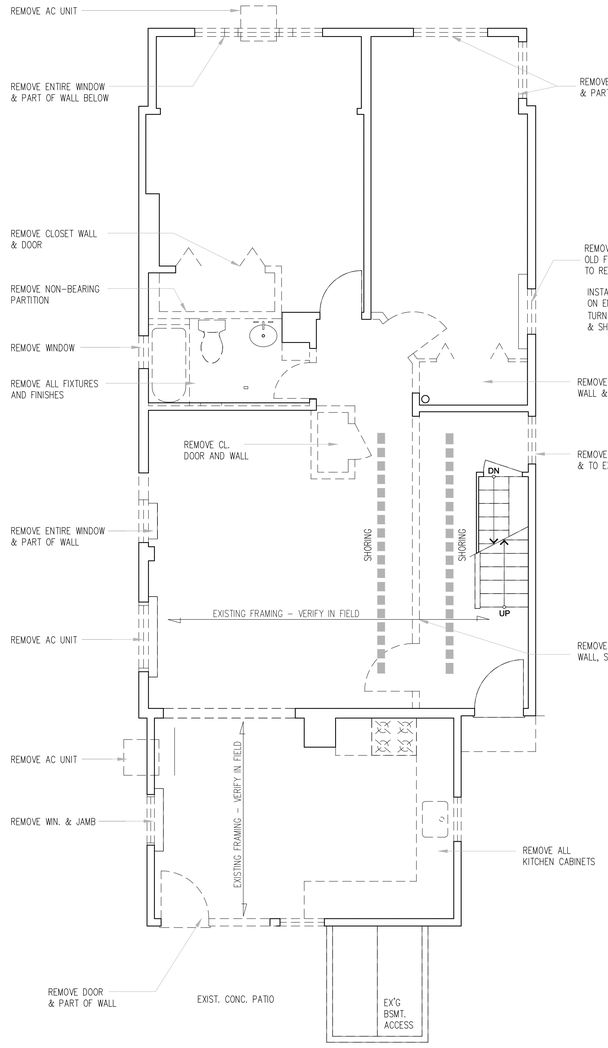
ALL CONNECTORS BY "SIMPSON–STRONGTIE" OR EQUAL, ALL CONNECTOR FASTENERS PER "SIMPSON" SPECIFICATION

ALL BEAM JOINING FASTENERS BY "FASTENMASTER" OR EQUAL



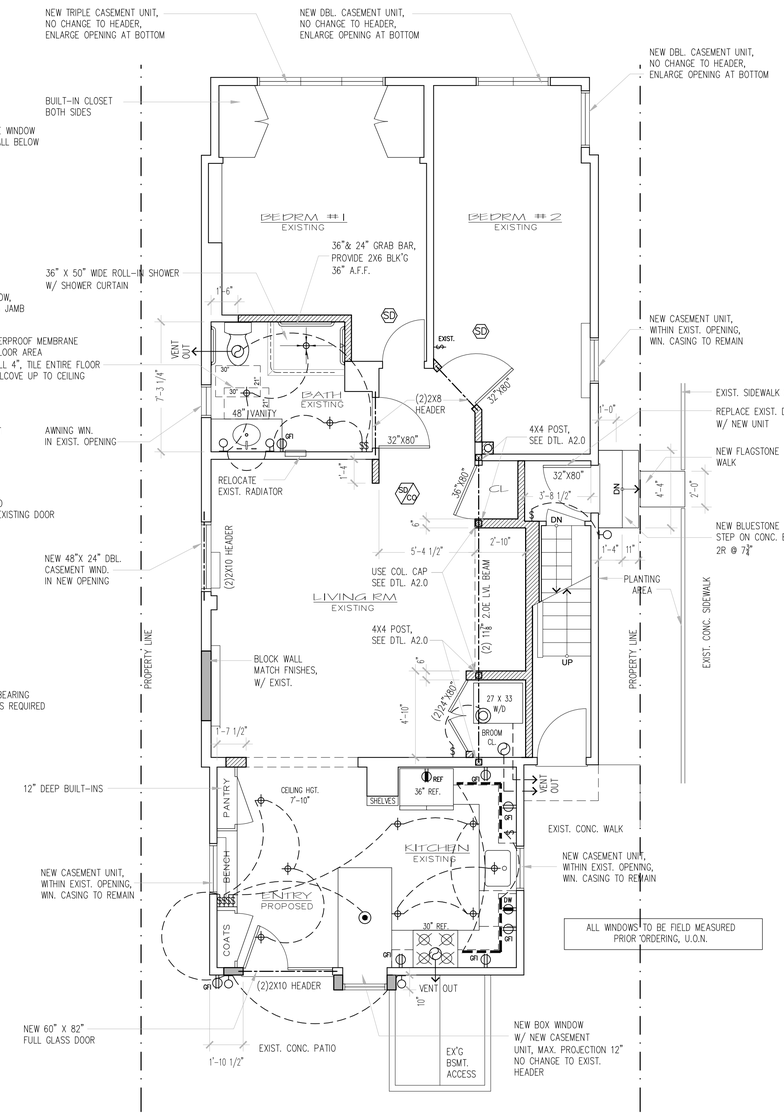
BASEMENT PLAN

SCALE: $\frac{1}{4}$" = 1"-0'



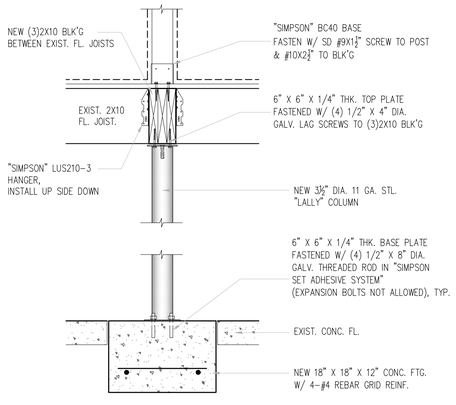
DEMOLITION PLAN

SCALE: $\frac{1}{4}$" = 1"-0'



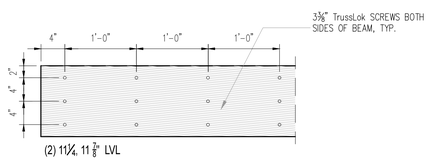
1st FL. CONSTRUCTION PLAN

SCALE: $\frac{1}{4}$" = 1"-0'



COLUMN & BEAM DTL.

SCALE: 1" - 1'-0"



LVL BEAM FASTENING DTL.

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

ELECTRIC LEGEND	
	WALL SCONCE
	RECESSED INCANDESCENT FIXTURE I.C. TYPE U.O.N.
	SURFACE MOUNTED LIGHT
	PENDANT LIGHT
	FAN LIGHT
	DUPLEX OUTLET 15" AFF U.O.N.
	DEDICATED DUPLEX OUTLET 15" AFF U.O.N.
$	LIGHT SWITCH MATCH HGT. OF EX'G U.O.N
J	JUNCTION BOX
SD	SMOKE DETECTOR
SD/CO	SMOKE & CARBON MONOXIDE COMBO DETECTOR

ALL ELECTRICAL WORK PER NYS CODE

A2.0

REVISION	
10.23.17	PERMIT SET

A1.0 GENERAL NOTES
A2.0 PLANS
A3.0 ELEVATIONS

REGISTERED ARCHITECT MITCHELL DAVID KOCH 028170-1 STATE OF NEW YORK

RENOVATION TO 1st FL. APARTMENT AT ASHBY RESIDENCE

13 HIGH ST.
HASTINGS-ON-HUDSON NY 10706

PLANS
STRUCTURAL DTL.

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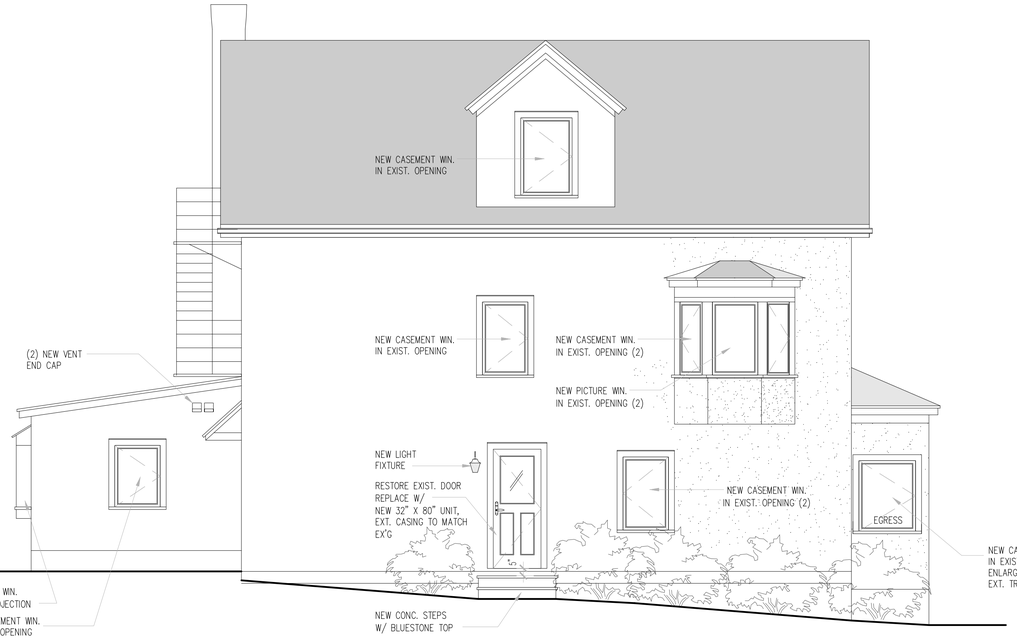
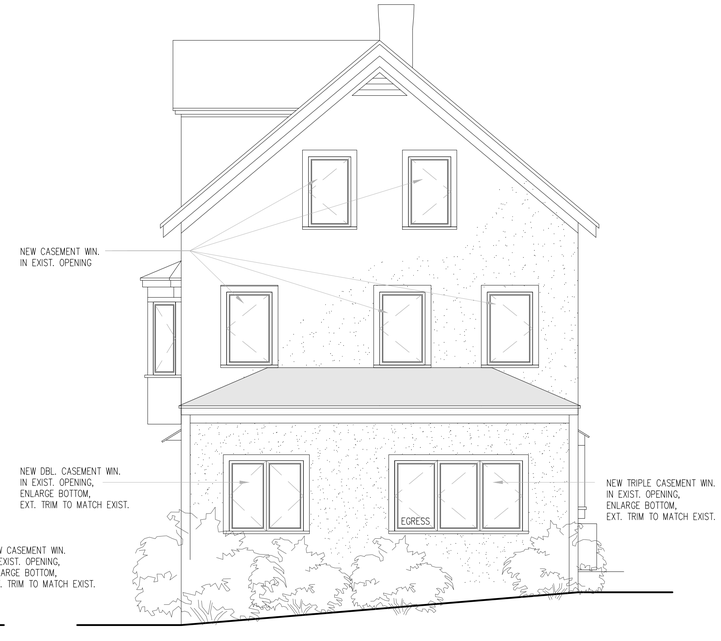


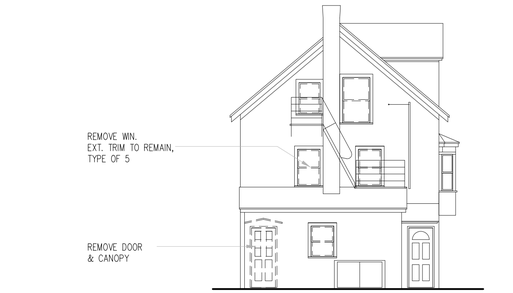
EAST ELEVATION

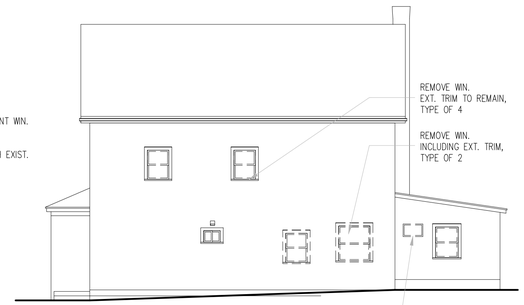
SCALE: 1/4" = 1'-0'

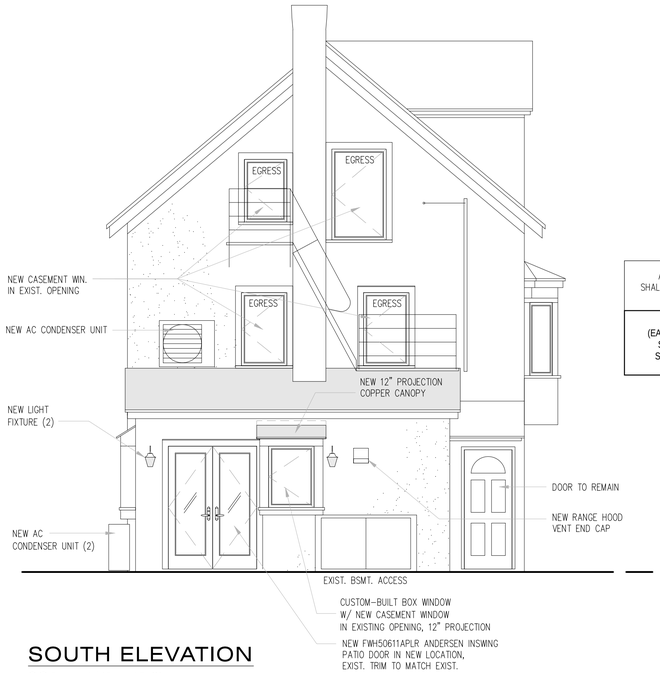


NORTH ELEVATION

SCALE: 1/4" = 1'-0'





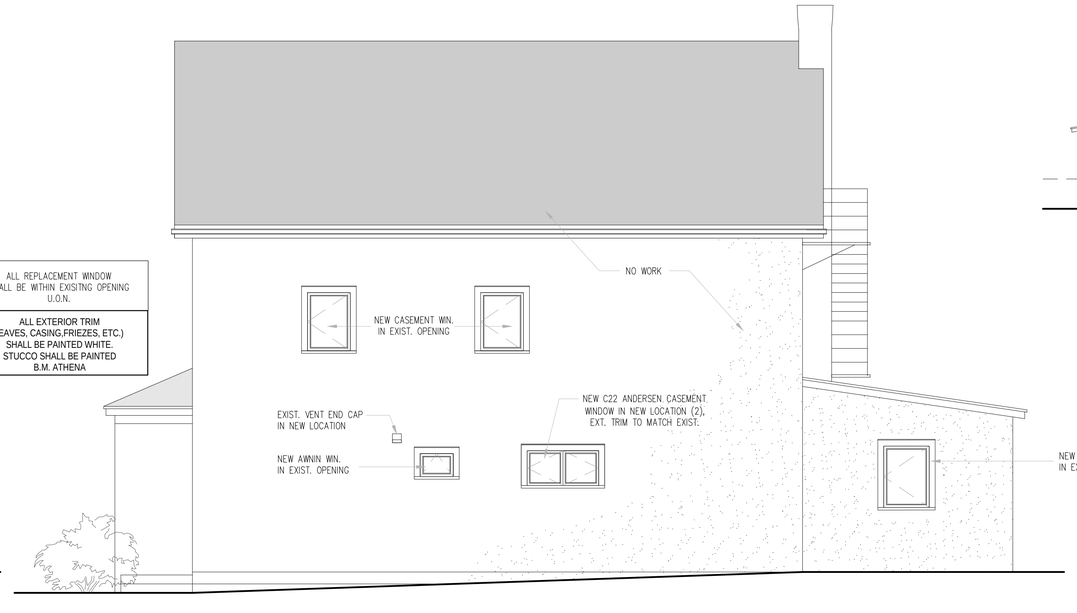


SOUTH ELEVATION

SCALE: 1/4" = 1'-0'

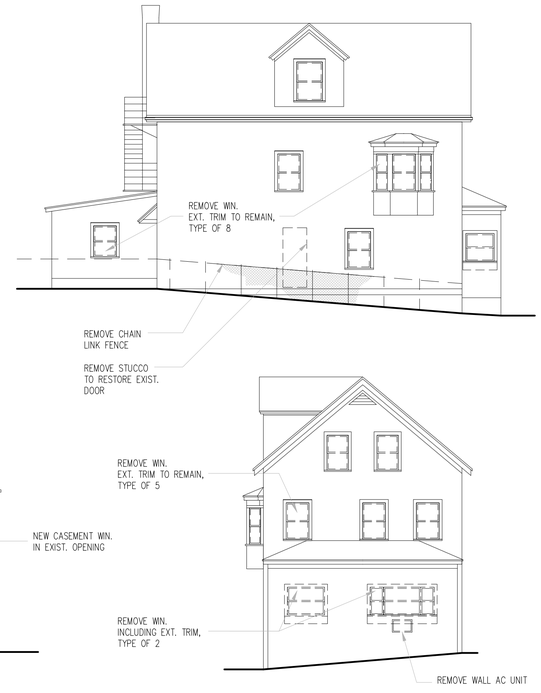
ALL REPLACEMENT WINDOW
SHALL BE WITHIN EXISTING OPENING
U.O.N.

**ALL EXTERIOR TRIM
(EAVES, CASING,FRIEZES, ETC.)
SHALL BE PAINTED WHITE.
STUCCO SHALL BE PAINTED
B.M. ATHENA**



WEST ELEVATION

SCALE: 1/4" = 1'-0'



EXISTING CONDITION - ELEVATIONS

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

A3.0

REVISION

10.23.17	PERMIT SET

A1.0 GENERAL NOTES
A2.0 PLANS
A3.0 ELEVATIONS

REGISTERED ARCHITECT
MITCHELL DAVID KOCH
028170-1
STATE OF NEW YORK

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ELEVATIONS

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