RHDC
RALEIGH HISTORIC
DEVELOPMENT COMMISSION

CERTIFICATE OF APPROPRIATENESS PLACARD

for Raleigh Historic Resources

221 S Wilmington St
Address

Moore Square
Historic District

Historic Property

COA-0164-2019
Certificate Number

1/28/2020
Date of Issue

7/28/2020
Expiration Date

Project Description:

Replace door; replace windows

This card must be kept posted in a location within public view until all phases of the described project are complete. The work must conform with the code of the City of Raleigh and laws of the state of North Carolina. When your project is complete, you are required to ask for a final zoning inspection in a historic district area. Telephone the RHDC office at 832-7238 and commission staff will coordinate the inspection with the inspections Department. If you do not call for this final inspection, your Certificate of Appropriateness is null and void.

Signature, Collette R Kinne

Raleigh Historic Development Commission

Pending the resolution of appeals, commencement of work is at your own risk.

Type or print the following:		
Applicant name: City of Raleigh		
Mailing address: P.O. Box 590		
City: Raleigh	State: NC	Zip code: 27602
Date: 12-05-19	Daytime phone #: 919-744-9363	
Email address: gil.johnson@raleighnc.gov		
Applicant signature: Gil Johnson		

Minor work (staff review) – one copy Major work (COA committee review) – ten copies Additions > 25% of building sq. footage New buildings Demolition of building or structure All other Post approval re-review of conditions of approval	**Office Use Only** Transaction #: _____ File #: COA-0164-2019 Fee: _____ Amount paid: _____ Received date: _____ Received by: _____

Property street address: 221 So. Wilmington Street	
Historic district: Moore Square	
Historic property/Landmark name (if applicable):	
Owner name: City of Raleigh	
Owner mailing address: P.O. Box 590 Raleigh, NC 27602	

For applications that require review by the COA Committee (major work), provide addressed and stamped envelopes for owners for all properties with 100 feet on all sides of the property, as well as the property owner.

Property Owner Name & Address	Property Owner Name & Address

I understand that all major work applications that require review by the Raleigh Historic Development Commission's COA Committee must be submitted by 4 p.m. on the date of the application deadline; otherwise, consideration will be delayed until the following committee meeting. An incomplete application will not be accepted.

Will you be applying for rehabilitation tax credits for this project? Yes No Did you consult with staff prior to filing the application? Yes No	Office Use Only Type of work: 29, 84, 68

Design Guidelines: please cite the applicable sections of the design guidelines (www.rhdc.org).		
Section/Page	Topic	Brief description of work (attach additional sheets as needed).
2.9/56	Storefronts	Repair brick, replace windows, door, and transom, paint to match existing.

Minor Work Approval (office use only)

Upon being signed and dated below by the Planning Director or designee, this application becomes the Minor Work Certificate of Appropriateness. It is valid until 7/28/20.

Please post the enclosed placard form of the certificate as indicated at the bottom of the card. Issuance of a Minor Work Certificate shall not relieve the applicant, contractor, tenant, or property owner from obtaining any other permit required by City Code or any law. Minor Works are subject to an appeals period of 30 days from the date of approval.

Signature (City of Raleigh) Collette K Kn Date 01/28/20

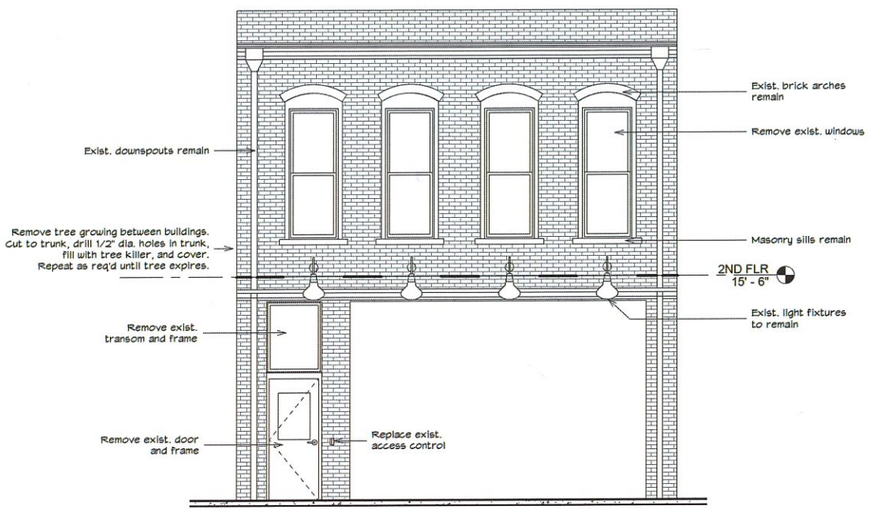
BLDNR-023810-2019
Craig Building Renovation and Repairs
221 So. Wilmington Street

Exterior work on the building facade will include the replacement of the windows, door and transom window, repoint brick mortar at existing lights, paint to match existing.

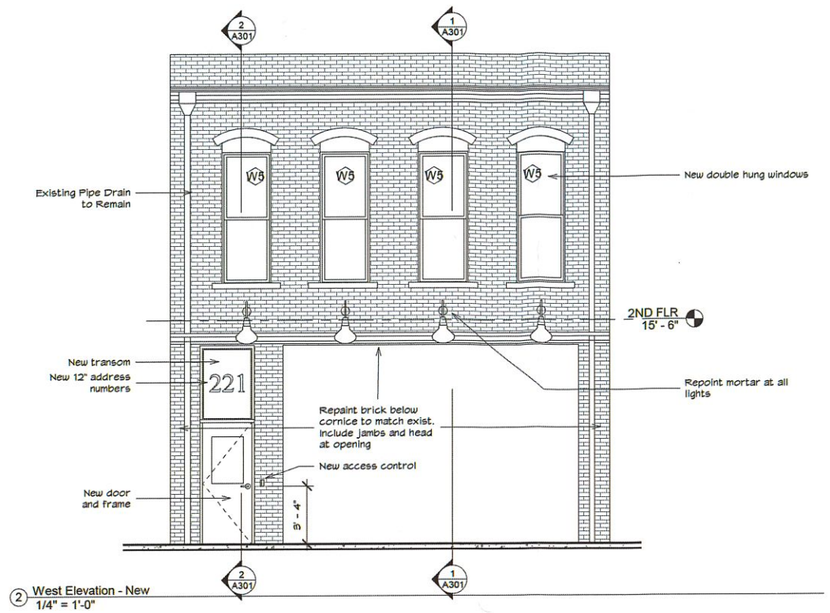
The attached photo is from 1987, when the City first renovated the building. An updated photo will be provided.


SHOP

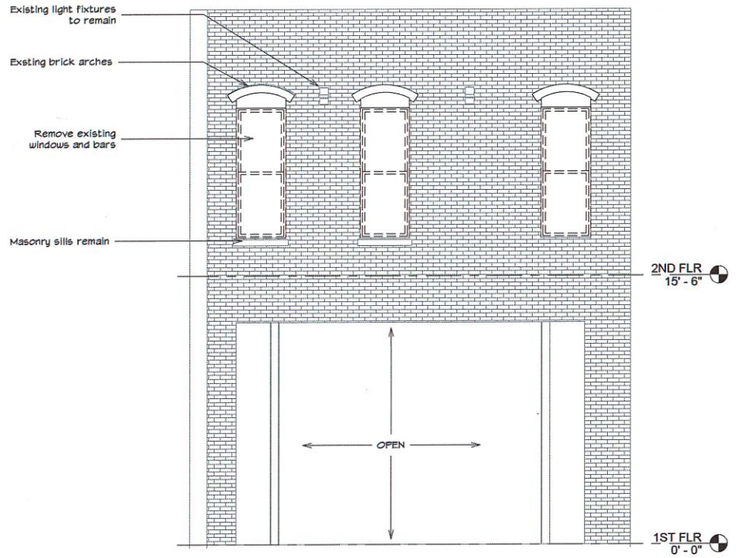

TRANSIT
STATION
GoRaleigh STATION



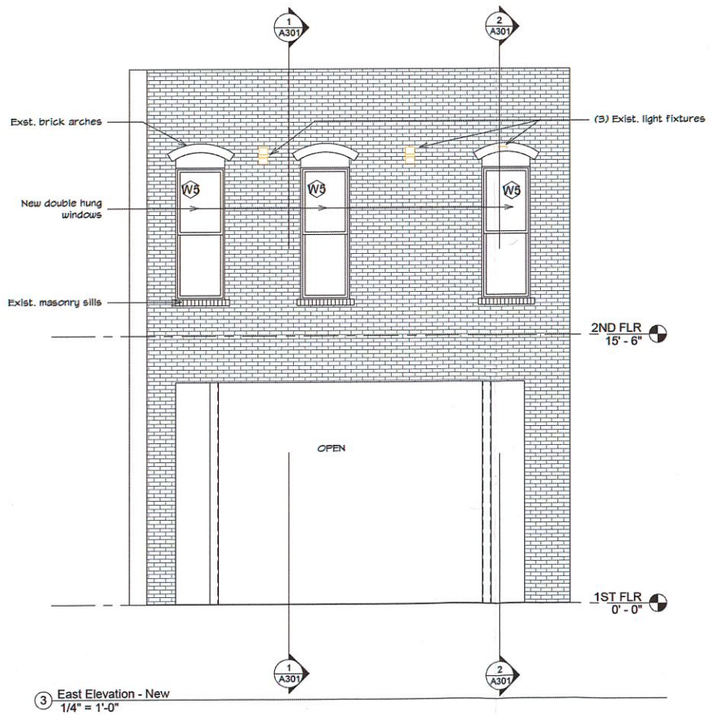
1 West Elevation - Existing
1/4" = 1'-0"



2 West Elevation - New
1/4" = 1'-0"



4 East Elevation - Existing
1/4" = 1'-0"



3 East Elevation - New
1/4" = 1'-0"

0 1 2 4 6 100

BUY AMERICAN PROGRAM REQUIREMENTS

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INNOVATIVE DESIGN
850 W. MORGAN STREET
RALEIGH, NORTH CAROLINA 27603
919-832-6303
919-832-3339 FAX

Bid / Permit Documents

LOUIS J. GENCO ARCHITECTURAL AGENCY 6755 NORTH CAROLINA RALEIGH, NC

SEAL: 8/1/2019

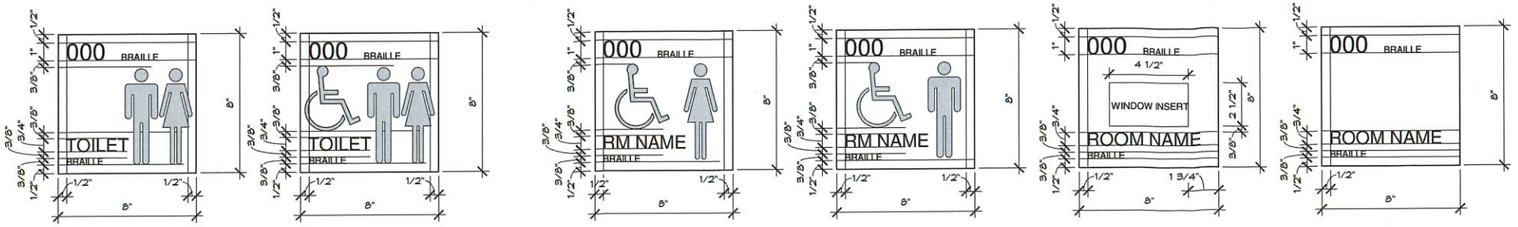
Craig Building Renovation
City of Raleigh Transit Division
221 S. Wilmington St.; Raleigh, NC 27601

NO.	SUBMISSION	DATE
10		
9		
8		
7		
6		
5		
4	Raleigh Review Comment	12/9/19
3	Bid / Permit Set	11/8/19
2	100% Submittal	10/31/19
1	SD	9/25/19

CHECKED BY: MN
DRAWN BY: PRT/LG
PROJECT NUMBER: 1908
SHEET NAME: EXTERIOR BUILDING ELEVATIONS
SHEET NUMBER: A201

SIGNAGE NOTES

1. REFER TO DOOR SCHEDULE FOR ROOM NUMBER, ROOM NAME, & SIGNAGE LOCATION, UON.
2. SIGNAGE SHALL COMPLY WITH ANSI A117.1-2017.
3. SIGNAGE SHALL BE INSTALLED @ 48" AFF MEASURED TO THE BOTTOM OF SIGNAGE, UON.
4. SIGNAGE SHALL BE INSTALLED @ THE LATCH SIDE OF A SINGLE DOOR OR RIGHT HAND SIDE OF A DOUBLE DOOR, UON. 18"X18" CLEARANCE SHALL BE LOCATED IN FRONT OF SIGNAGE.
5. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL.



WINDOW INSERT SHALL BE 3"X5" IN SIZE & PROVIDED BY OWNER

SIGNAGE SCHEDULE
3" = 1'-0"

DOOR NOTES:
1. EXTERIOR DOOR FRAMES SHALL BE FILLED W/ LOW-PRESSURE POLY-URETHANE SPRAY FOAM SEALANT.
2. FIRE RATED DOOR FRAMES SHALL BE FILLED W/ MINERAL FIBER INSULATION.
3. "CR" DENOTES CARD READER. CARD READERS SHALL BE PROVIDED & INSTALLED BY OWNER'S VENDOR. GC TO PROVIDE CONDUITS FOR WIRING. COORDINATE W/ OWNER.
4. DOOR TYPE "B" SHALL BE PROVIDED W/ HORIZONTAL BLINDS, UON.

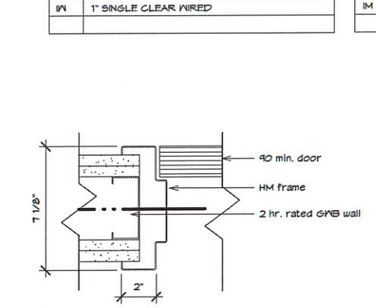
GLAZING SCHEDULE	
TAG	GLAZING DESCRIPTION
IG	1" INSULATED CLEAR
IE	1" INSULATED LOW-E
IES	1" INSULATED LOW-E SAFETY
IS	1" INSULATED LOW-E SOLAR
ISS	1" INSULATED LOW-E SOLAR SAFETY
SG	1/4" SINGLE CLEAR
SGS	1/4" SINGLE CLEAR SAFETY
IFT	1" INSULATED FIBER-FILLED TRANSLUCENT
SW	1/4" SINGLE CLEAR WIRED
IW	1" SINGLE CLEAR WIRED

DOOR FRAME MATERIAL LEGEND	
ST	STOREFRONT
THM	THERMAL-BROKEN HOLLOW METAL
HM	HOLLOW METAL

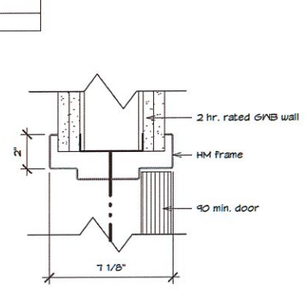
DOOR MATERIAL LEGEND	
ST	STOREFRONT DOOR
WD	WOOD DOOR
HM	HOLLOW METAL DOOR
IM	INSULATED METAL DOOR

DOOR SCHEDULE

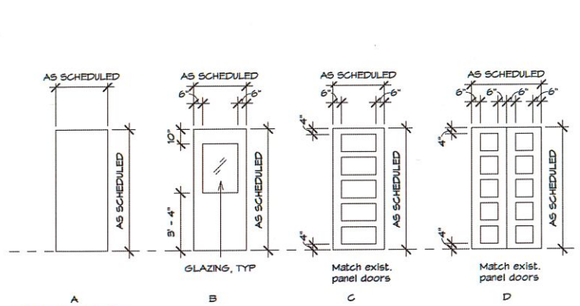
DOOR NUMBER	DOORS WIDTH	DOORS HEIGHT	DOORS MATERIAL & TYPE	DOORS GLAZING	FRAMES MATERIAL & TYPE	FRAMES DETAILS JAMB	FRAMES DETAILS HEAD	FRAMES DETAILS SILL	FIRE RATING	HARDWARE	COMMENTS	SIGNAGE ROOM #	SIGNAGE ROOM NAME	SIGNAGE SIGNAGE TYPE
100	2' - 10"	7' - 0"	HM-B	SGS	HM-1	11/a311	8/A311	7/A311		04				-
101	3' - 0"	7' - 0"								x	Exist. door; repaint			-
201A	3' - 0"	7' - 0"	HM-A		HM-1	J1	H1	-	90 MIN	01	Exist. door; no work			-
201B	2' - 6"	7' - 0"	WD-C		WD-1	J2	H2	-		02		201B	Roof Access	A
201C	3' - 0"	7' - 0"								x	Exist. door; repaint	201C	Closet	A
202	3' - 0"	7' - 0"								x	Exist. door; repaint	202	Room	A
202A	3' - 0"	7' - 0"	WD-C		WD-1	J2	H2	-		03		202A	Mechanical	A
203	3' - 0"	7' - 0"								x	Exist. door; repaint	203	Toilet	F
204A	4' - 0"	7' - 0"	WD-D		WD-1	J2	H2	-		05		204A	Electric	A
205	3' - 0"	7' - 0"								x	Exist. door; repaint	205	Room	A
206	3' - 0"	7' - 0"								x	Exist. door; repaint	206	Room	A



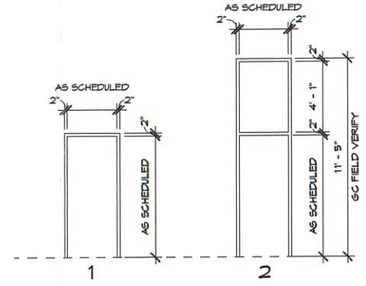
② J1
3" = 1'-0"



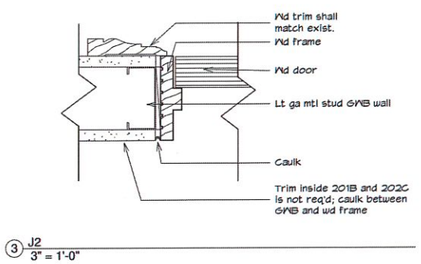
① H1
3" = 1'-0"



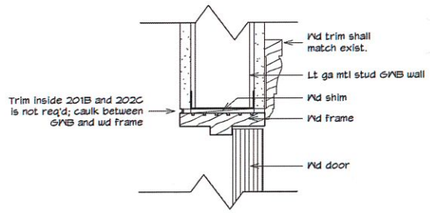
DOOR ELEVATION
1/4" = 1'-0"



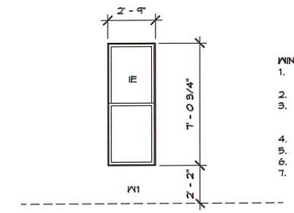
DOOR FRAME ELEVATION
1/4" = 1'-0"



③ J2
3" = 1'-0"



④ H2
3" = 1'-0"



VERIFY DIMENSIONS TO MATCH EXISTING OPENINGS AND FRAMING DETAILS

WINDOW FRAMES & ELEVATIONS
1/4" = 1'-0"

WINDOW NOTES
1. WINDOWS SHALL BE E-SERIES DOUBLE HUNG WINDOWS BY ANDERSEN WINDOWS, INC. OR EQUAL AND MUST MATCH APPEARANCE.
2. WINDOWS SHALL BE ALUMINUM CLAD WINDOW UNITS, UON.
3. ALL OVERALL WINDOW DIMENSIONS SHOWN ON ELEVATIONS ARE M.O. (MASONRY OPENING) OR R.O. (ROUGH OPENING) UON. GC IS RESPONSIBLE FOR FIELD-VERIFYING OPENING DIMENSIONS PRIOR TO ORDERING WINDOW ASSEMBLY.
4. SEE BUILDING ELEVATIONS FOR WINDOW LOCATIONS.
5. SEE FLOOR PLANS FOR INTERIOR WINDOW LOCATIONS, UON.
6. ALL OPERABLE WINDOWS SHALL HAVE INSECT SCREEN.
7. MARK EACH TYPE OF GLAZING SPECIFIED ON THE INTERIOR SURFACE (BOUND #4) W/ A REMOVABLE LABEL TO DISTINGUISH THE GLAZING TYPE. THE LABELS SHALL REMAIN AFTER INSTALLATION UNTIL THE ARCHITECT VERIFIES THE TYPES.

BUY AMERICAN PROGRAM REQUIREMENTS

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INNOVATIVE DESIGN
850 W. MORGAN STREET
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Bid / Permit Documents

LOUIS J. GERICK — REGISTERED ARCHITECT — 6765 — NORTH CAROLINA — RALEIGH, NC

SEAL: 8/1/2019

Craig Building Renovation
City of Raleigh Transit Division
221 S. Wilmington St.; Raleigh, NC 27601

NO.	SUBMISSION	DATE
10		
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4	Raleigh Review Comment	12/9/19
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2	100% Submittal	10/31/19
1	SD	9/25/19

CHECKED BY: MN
DRAWN BY: LG/PR
PROJECT NUMBER: 1908
SHEET NAME: DOOR AND WINDOW SCHEDULE
SHEET NUMBER: A611

Kinane, Collette

From: Johnson, Gil
Sent: Monday, December 23, 2019 3:12 PM
To: Kinane, Collette
Cc: Tully, Tania; Juarez, Erick
Subject: Re: minor work review - COA-0164-2019 (221 S Wilmington Street)
Attachments: 1908-Craig Bldg-A201.pdf; 1908-Craig Bldg-A611.pdf; Andersen Window E-Series Double-Hung Window.pdf; Ceco Architectural Guide for Doors and Frames.pdf

Sorry for the plan errors, they have been corrected, see comments in red below. Information on the new door is shown on pages 20, 22, and 25 of the attached Ceco Guide. Please let me know if there's anything else you need.
Thanks for all your help.

Gil Johnson
919-744-9363

From: Kinane, Collette <Collette.Kinane@raleighnc.gov>
Sent: Thursday, December 19, 2019 4:40 PM
To: Johnson, Gil <Gil.Johnson@raleighnc.gov>
Cc: Tully, Tania <Tania.Tully@raleighnc.gov>
Subject: minor work review - COA-0164-2019 (221 S Wilmington Street)

Hi, Gil –

I'm reviewing your minor work COA application for alterations to 221 S Wilmington St. I had a few questions about the drawing you submitted and need some additional information. See the attached drawing for a visual reference of the below notes.

- The new elevations for both the east and west facades appear to indicate that the window trim is being removed. Is that accurate or a drawing error? Revit played a trick on me as there is no trim removed at the window heads. It's replaced per details.
- The new east elevation shows three light fixtures, including a new one in the brick arch above the window. Is that correct? Will the new light match the existing? Additionally, a louvered pattern appears about the northernmost window – is a vent being installed in this location? There are no new lights on the exterior at all. Just the existing. Louvered pattern is a Revit miscue. Corrected
- Also on the east elevation additional brickwork is shown below the pavement level. Is some change occurring in this location? Brick below the sidewalk is only existing. No new work.
- Lastly, please send a manufacturer's section and elevation of the proposed new windows and the proposed door. See attached Anderson cut sheet. Any substitution will match this in appearance.

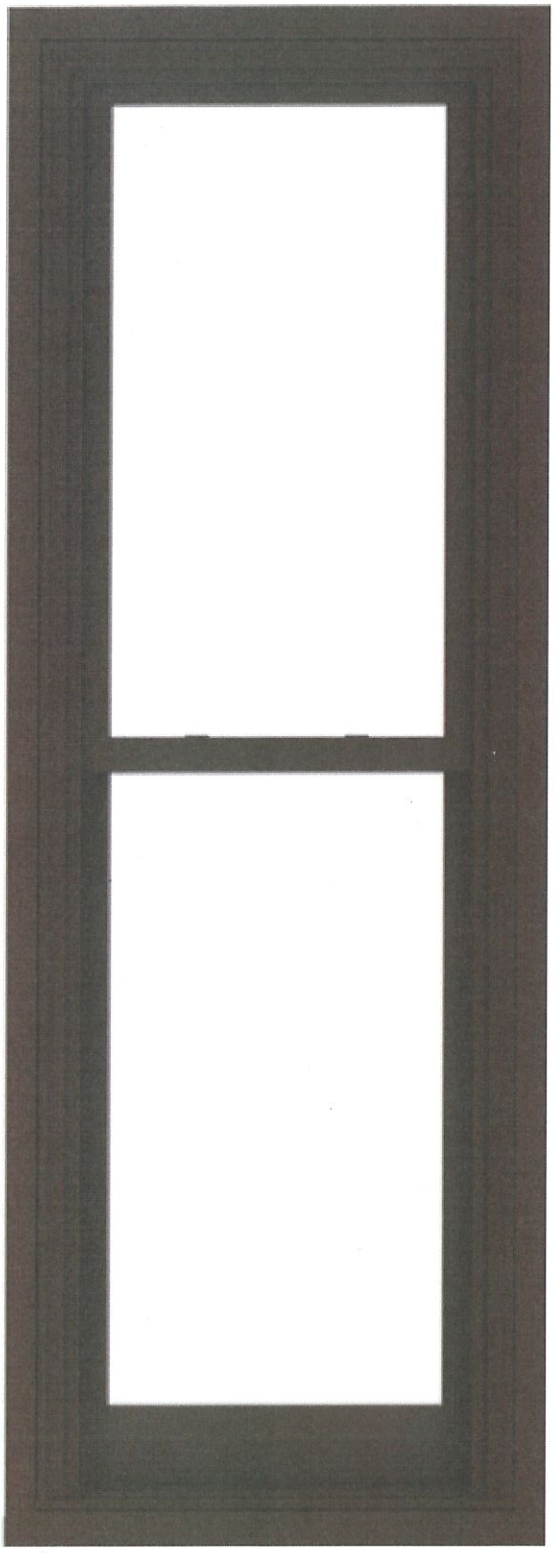
Please let me know if you have any questions.

Thanks,
Collette

Collette R. Kinane
Preservation Planner II

E-Series Double-Hung Window

Interior



Exterior

Feedback

MMARY

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

Product Name	E-Series Double-Hung Window
Product ID#	DHG2876
Unit Width	32"
Unit Height	90"
Interior Color	Pine
Interior Stain	Unfinished Pine
Glass	Low-E4® Glass
Hardware	Lock and Keeper, White
Optional Hardware	None, White
Grille Pattern	None
Exterior Frame Color	Dark Bronze
Exterior Sash Color	Dark Bronze
Exterior Trim Profile	2" Brick Mould
Exterior Trim Color	Dark Bronze

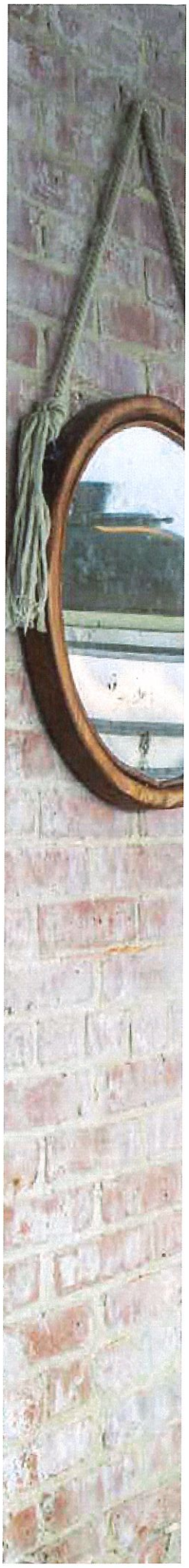
* Distressed bronze and oil rubbed bronze are 'living' finishes that will change with time and use.

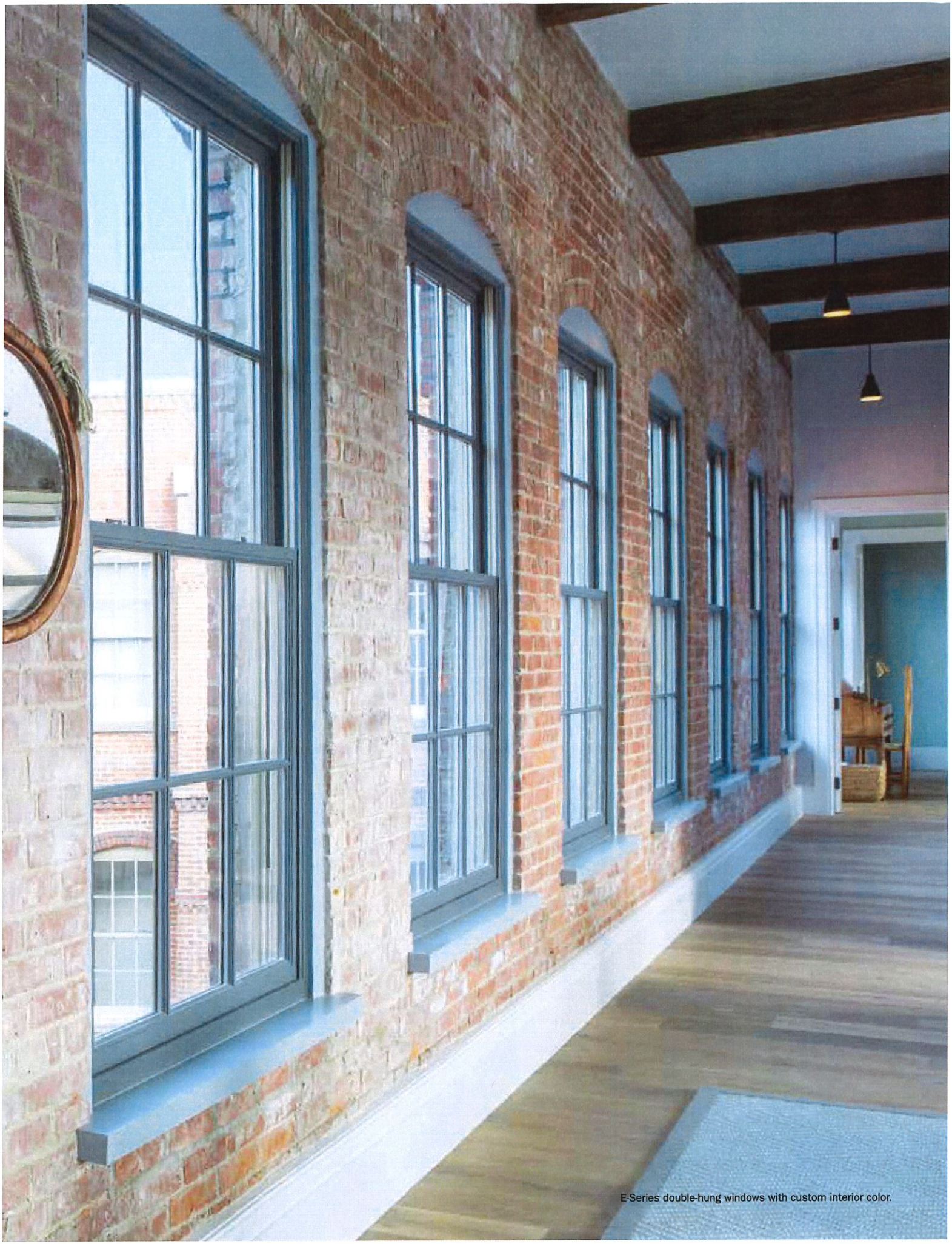
* Actual wood is sapele, a non-endangered species of mahogany, grown in Africa, with color and characteristics similar to American mahoganies.

* 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.

Double-Hung Windows

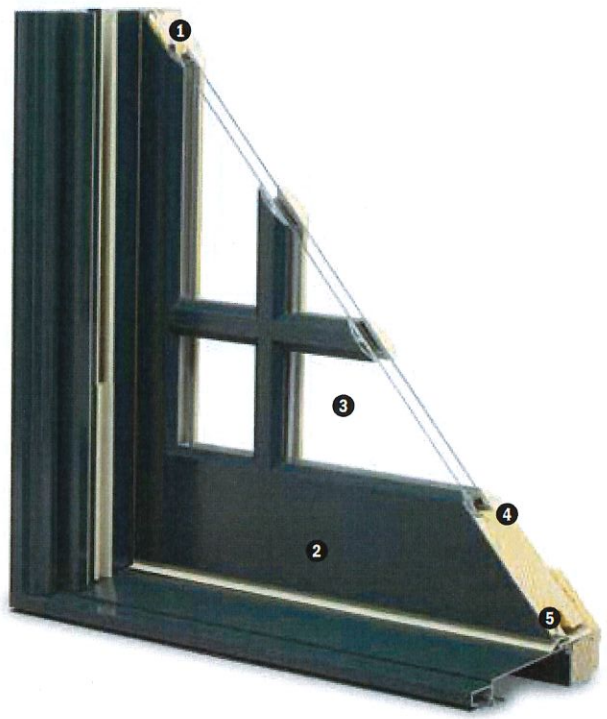
A classic beauty, double-hung windows offer a sleek design with ventilation options from the top, bottom or both. Add a TruScene® insect screen to let the outside in, maximizing your view, not limiting it. E-Series double-hung windows give you the option to select aluminum or wood jamb liner inserts for added visual appeal and include flush-mounted hardware that allows for easy tilt-in operation.





E-Series double-hung windows with custom interior color.

Double-Hung Windows



Frame & Sash

❶ Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain douglas fir, cherry, hickory, mahogany,* maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stain and paint options.

❷ Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Glazing

❸ High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

❹ Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

Weatherstrip

❺ Compression bulb weatherstrip is applied on the bottom sash, head jamb, at the meeting rail and on side jambs for a maximum weather seal.

Hardware

❻ Sash lock/tilt mechanisms and keepers give a slim, more traditional design and allow opening and tilting of the window in one operation. Tilting the sash from the inside for cleaning is effortless.

Optional surface mount sash lifts allow for easy operation. Units less than 3' wide use one lift. Units 3' wide and greater use two lifts.

Hardware is available in finishes of bronze, polished brass, gold, white, black, antique brass, pewter, oil rubbed bronze, satin chrome and bright chrome.

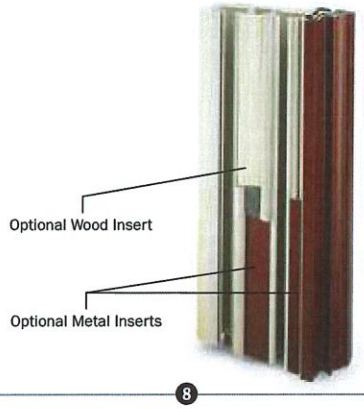
An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

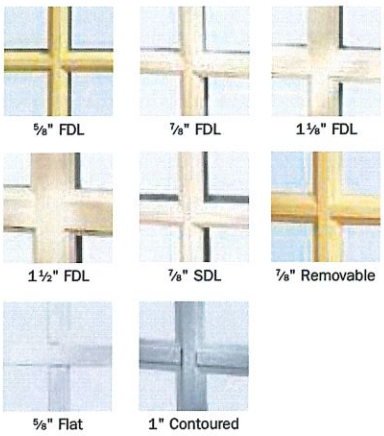
Features & Options

6 Sash Locks

7 Rigid Jamb Liners



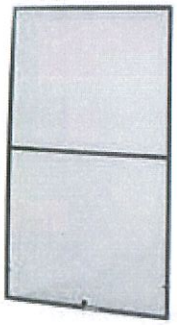
9 Grilles



FDL = Full Divided Light*
SDL = Simulated Divided Light*
Removable = Removable interior wood grilles
Flat = Finelight™ grilles-between-the-glass
Contoured = Finelight grilles-between-the-glass

Sash Lifts

8 Insect Screens



10 VeriLock® Sensors

E-Series double-hung windows with VeriLock sensors use a different sash lock. Available in all hardware finishes.

Jamb Liner & Balancer System

❼ Double-hung jamb liners incorporate synthetic interior and exterior inserts or optional painted aluminum exterior and wood-veneered interior inserts.

Jamb liners encase balancer assemblies that allow each sash to be tilted 90° inward from a bottom pivot and stay securely in place for washing.

Window Anchorage

Optional vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

❽ Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

TruScene® insect screens available in all 50 exterior colors and seven anodized finishes.

See page 24 for more information on our insect screen options.

❾ Grilles

Full Divided Light. Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in ⅝", ⅞", 1⅛", 1½" or 2¼" widths and ovolo or contemporary profiles.

Simulated Divided Light. Permanent exterior and interior grilles without grille spacer bars. Available in ⅝", ⅞", 1⅛", 1½" or 2¼" widths and ovolo or contemporary profiles.

Finelight™ Grilles-Between-the-Glass. Available in ⅝" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.

Removable interior wood grilles. Removable interior wood grilles are available in a ⅞" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available.

❿ Sensors

VeriLock® sensors are unique as they detect whether the windows are locked or unlocked** — a feature no other sensors can provide. See page 27 for Smart Home options.

* FDL & SDL grille options also available in 2¼" width and in contemporary profile. See page 22 for more information.

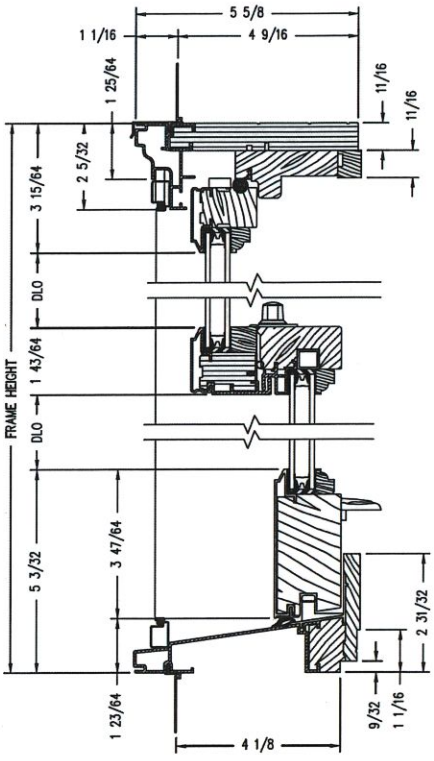
** When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

Oil rubbed bronze is a "living" finish that will change with time and use.

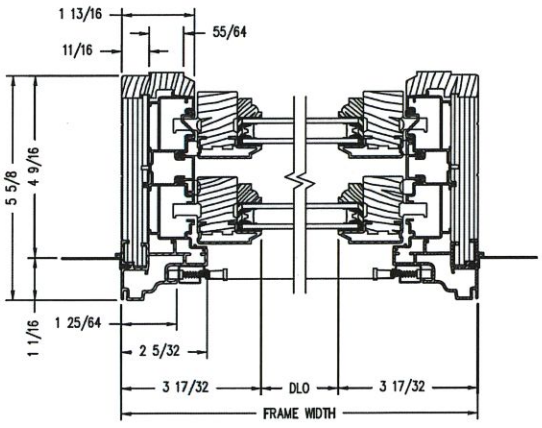
Printing limitations prevent exact finish replication. Please see your Andersen supplier for actual finish samples.

Double-Hung Windows

Double-Hung

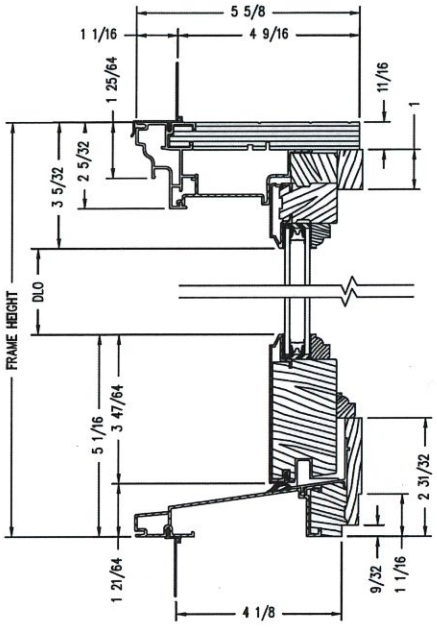


Vertical Section

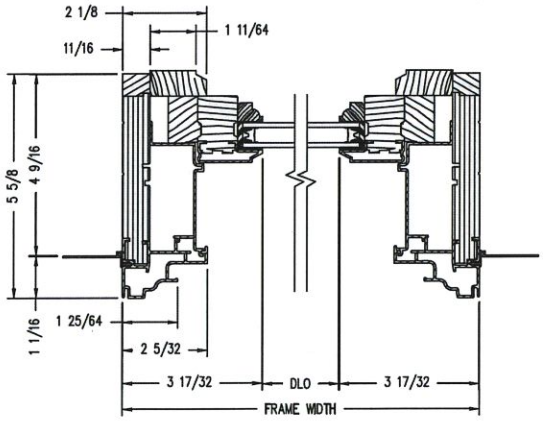


Horizontal Section

Double-Hung Picture



Vertical Section

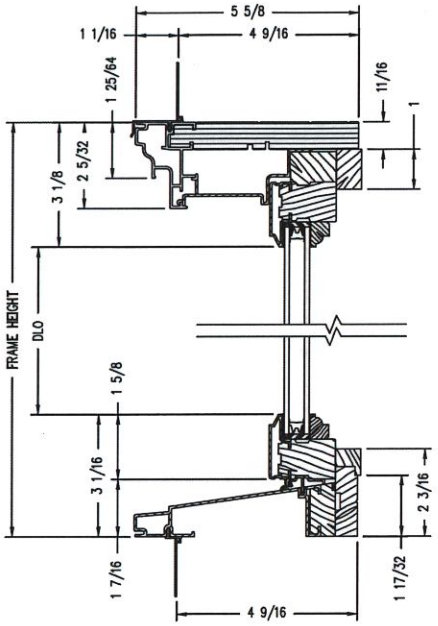


Horizontal Section

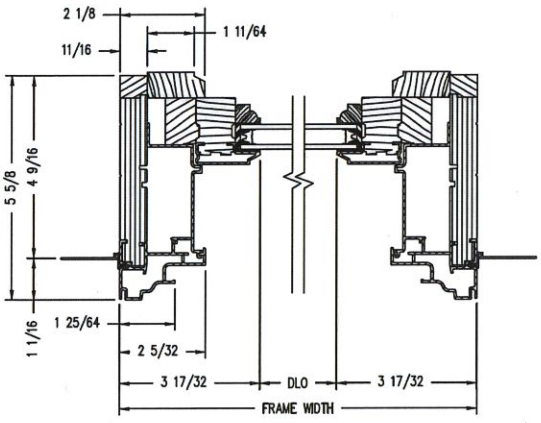
Shown with ovolo (colonial) glass stops.

Double-Hung Windows

Double-Hung Transom

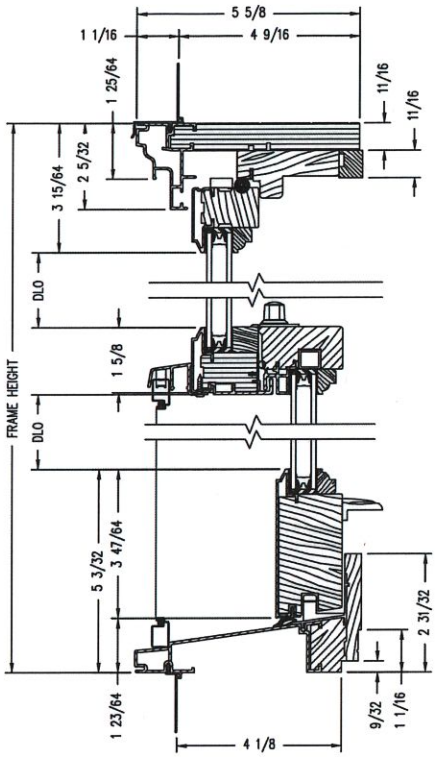


Vertical Section

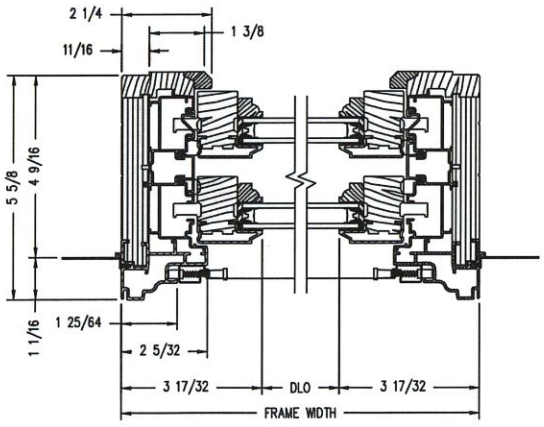


Horizontal Section

Monumental Single-Hung



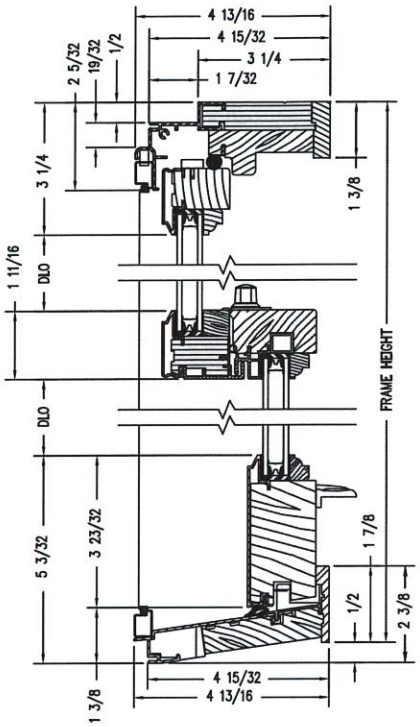
Vertical Section



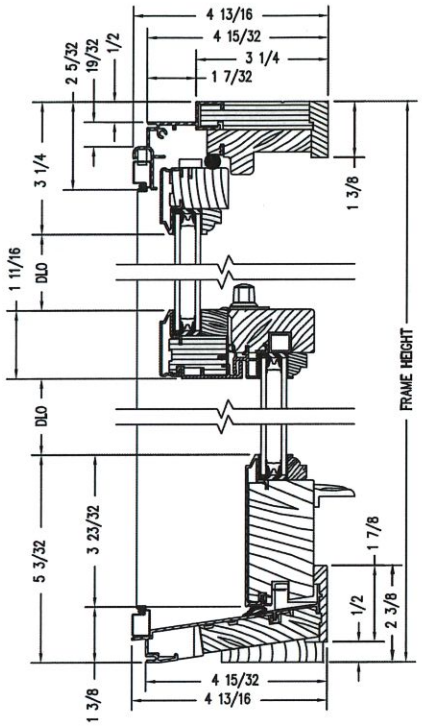
Horizontal Section

Shown with ovolo (colonial) glass stops.

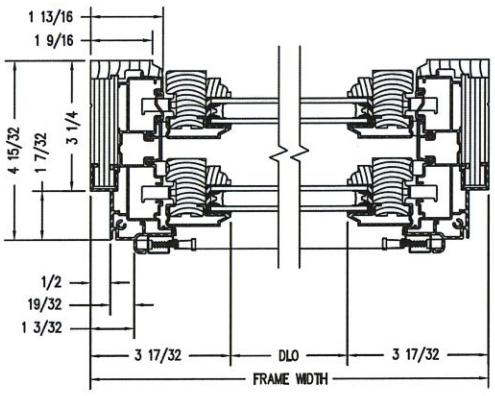
Double-Hung Insert Windows



Vertical Section
(For sill angles 8° and greater)



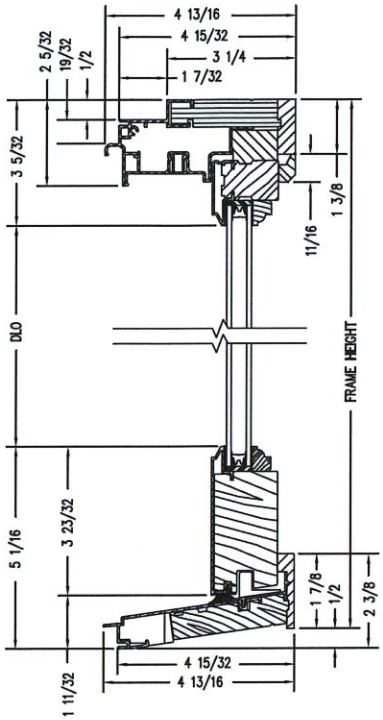
Vertical Section
(For sill angles less than 8°)



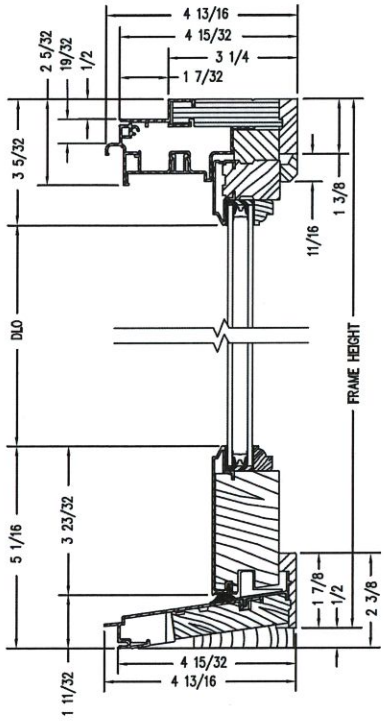
Horizontal Section

Shown with ovolo (colonial) glass stops.

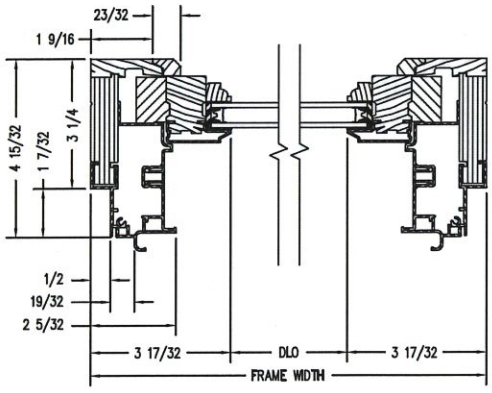
Double-Hung Picture Insert Windows



Vertical Section
(For sill angles 8° and greater)



Vertical Section
(For sill angles less than 8°)

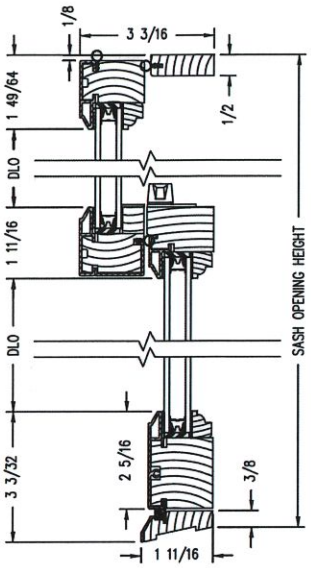


Horizontal Section

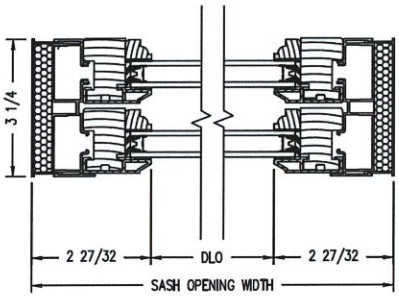
Shown with ovolo (colonial) glass stops.

Double-Hung Sash Replacement Kits

Double-Hung Sash Replacement

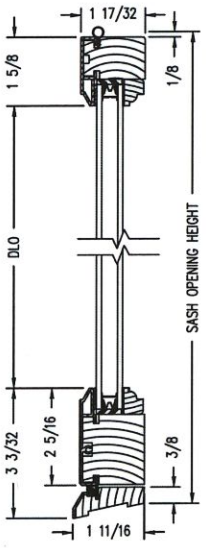


Vertical Section

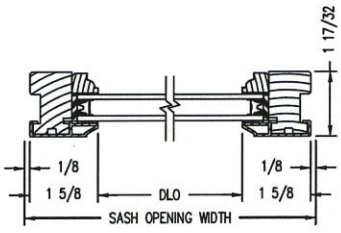


Horizontal Section

Double-Hung Picture Sash Replacement



Vertical Section



Horizontal Section

Shown with ovolo (colonial) glass stops.

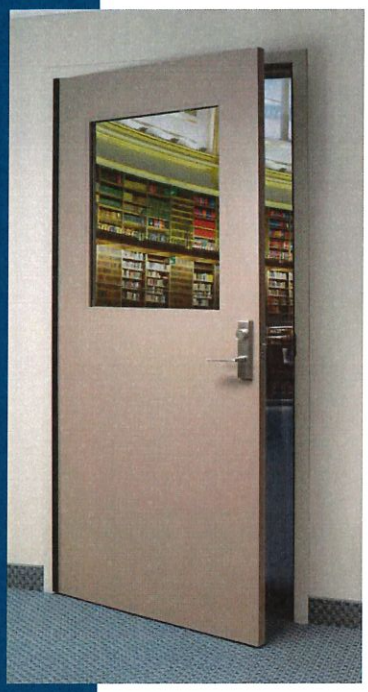
Ceco Door

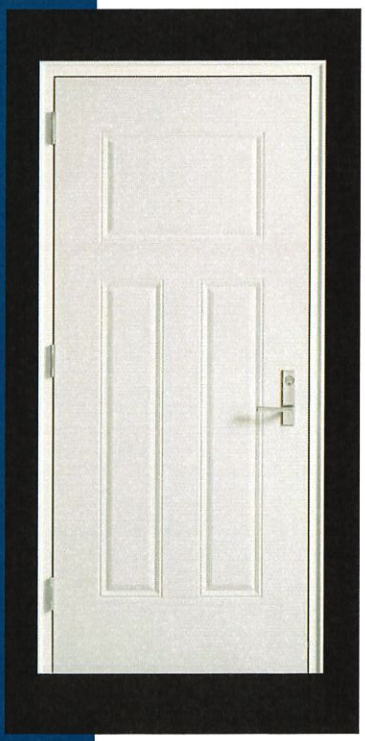
ASSA ABLOY

Architectural Guide for Doors and Frames

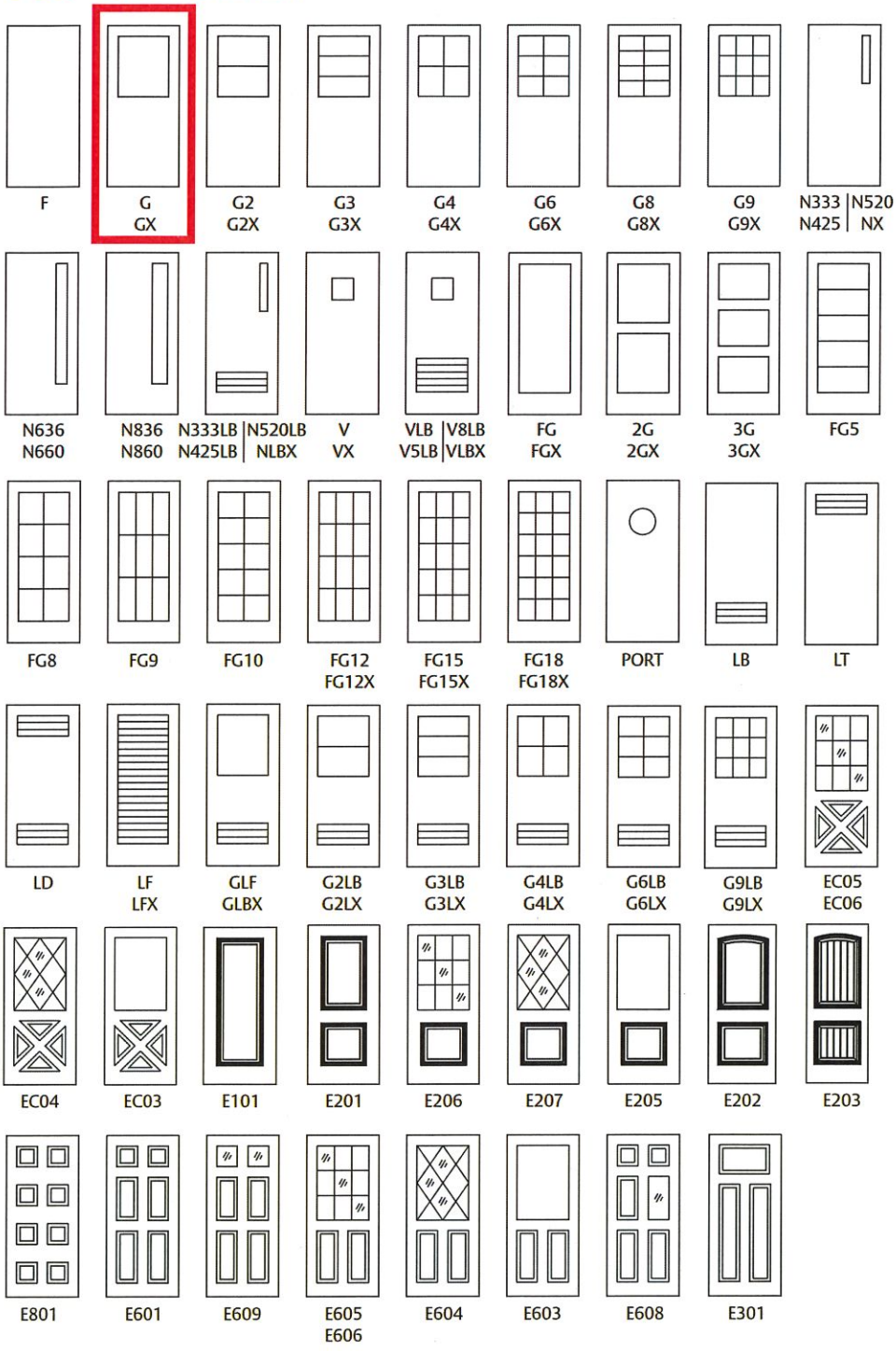
Experience a safer
and more open world

Door Details





Door Selection Faces



Standard Frame Details

Standard Frames

Design flexibility utilizing frames with made-to-order profiles and dimensions. Within tooling limits, Ceco frames can be specified in made-to-order dimensions for depth, throat, face, rabbet, soffit, or backbend to include a caulking groove, shadow box, splayed trim line, splayed top, stepped rabbet and others.

Series S frames have precision die-cut corners with positive locking tabs to assure rigid assembly connections. Available in hundreds of profiles and dimensions in either knock-down or set-up & welded.

For masonry, wood or metal studs wall, installed either to cap or butt the wall. Three or four piece door frames, Borrowed Lites, Side Lites, or Transom Frames.

SU indicates a standard frame with "unequal" frame rabbets
SQ indicates a standard frame with "equal" frame rabbets
SR indicates a standard frame with "one" frame rabbet
SC indicates a standard cased frame with no rabbet

16, 14, and 12 gauge steel Cold rolled, A60 or G90 galvanized steel.

Fire label:

Up to three hours (UL10B and UL10C)
Underwriters Laboratories (Applied or Embossed)
Warnock Hersey (Applied or Embossed)
Factory Manual (Applied Only)

Sizes Available:

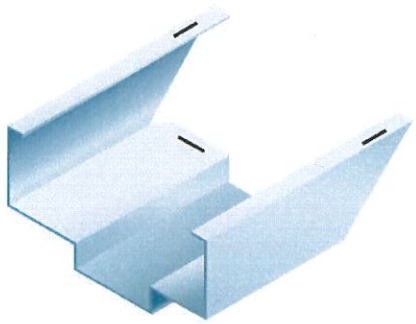
Cased Openings
3" to 14" depth
Single Rabbet
16 and 14 gauge, 3" to 14" 12 gage, 3-3/8" to 14"
Double rabbet
16 and 14 gauge, 4-5/8" to 14"
12 gauge, 5-1/4" to 14"

Hinge preparations:

ANSI A156.7, 4-1/2".

Strike preparations:

ANSI 4-7/8" universal A115.1 and A115.2



Drywall Frame Details

Drywall Frames

Ceco Drywall Frames are engineered to be installed on standard or non-standard wall sizes over prefinished or unfinished drywall board.

DU drywall frames have "unequal" rabbets and are designed to be installed AFTER the drywall board.

BU drywall frames have "unequal" rabbets and are designed to be installed BEFORE the drywall board.

DQ drywall frames have "equal" frame rabbets and are designed to be installed AFTER the drywall board.

BQ drywall frames have "equal" frame rabbets and are designed to be installed BEFORE the drywall board.

DR drywall frames have "one" frame rabbet (single rabbet).

DC drywall frames with no frame rabbet (cased opening).

Made to Order Dimensions:

18, 16, 14 Gauge

Fire Label:

Underwriters Laboratories (Applied or Embossed)
Warnock Hersey (Applied or Embossed)
Factory Mutual (Applied Only)

Sizes Available:

Cased Opening
4-5/8" to 14" Depth
Single Rabbet
3-5/8" to 6" 16 & 14 Gauge
3-5/8" to 7-7/8" 18 Gauge
Double Rabbet
4-5/8" to 14" in 16 & 14 Gauge
4-5/8" to 7-7/8" in 18 Gauge

Compression Type Anchor Drywall Frame - D Series

Series DU, DQ, DR, AND DC slip-on drywall frames for 1-3/4" doors are formed from commercial quality cold rolled steel conforming to ASTM A1008...or (optional) hot-dipped galvanized steel conforming to ASTM A924 and A653.

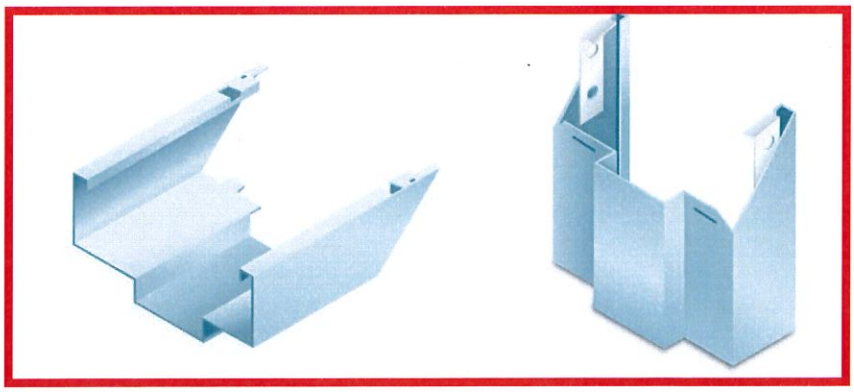
Frames are knocked down, field assembled type. Components have diecut mitered corners that interlock rigidly when field assembled. Single rabbet, double rabbet, and cased opening profiles are sized to fit popular wall thicknesses. Integral door stops are 5/8" high and frame faces are 2" except double rabbet profiles are available with 4" face heads. Adjustable, compression type anchors are welded to jambs and allow frame installation, plumbing and squaring after wallboard is applied (To adjust anchors use Phillips head screw driver). Components have backbend-returns that protect the wall surface during installation. Sill anchoring is by means of screws through dimpled holes in faces ... welded on sill strap anchors are also available (optional).

Stud Type Anchor Drywall Frame - B Series

Series BQ, BU, BR, and BC before drywall frames for 1-3/4" doors are formed from commercial quality cold rolled steel conforming to ASTM A1008 or (optional) hot-dipped galvanized steel conforming to ASTM A924 and A653. Series BQ, BU, BR, and BC before drywall frames for 1-3/4" doors are formed from commercial quality cold rolled steel conforming to ASTM A1008 or (optional) hot-dipped galvanized steel conforming to ASTM A924 and A653.

Frames are knocked down, field assembled or welded unit type. Components have diecut mitered corners that interlock rigidly when field assembled. Single rabbet, double rabbet, and cased opening profiles are sized to fit popular wall thicknesses. Integral door stops are 5/8" high and frame faces are 2" except double rabbet profiles are available with 4" face heads.

Components have backbend-returns that facilitates installation of wall board. Twist-in or welded jamb-anchors are available for various stud wall conditions; welded floor anchors or extra jamb anchors are furnished at sill (indicate which). Fames are knocked down, field assembled or welded unit type. Components have diecut mitered corners that interlock rigidly when field assembled. Single rabbet, double rabbet, and cased opening profiles are sized to fit popular wall thicknesses. Integral door stops are 5/8" high and frame faces are 2" except double rabbet profiles are available with 4" face heads. Components have backbend-returns that facilitates installation of wall board. Twist-in or welded jamb-anchors are available for various stud wall conditions; welded floor anchors or extra jamb anchors are furnished at sill (indicate which).



Drywall Frame Details

Frame Installation Details

To Determine Rough Opening:

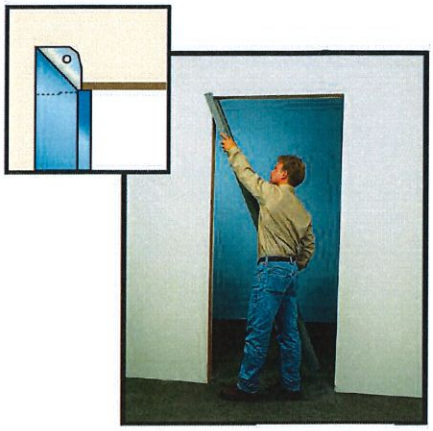
Add 2" to Door Opening Width
Add 1" to Door Opening Height

e.g., For a 3'0" x 6'8" door opening when frame components have a 2" face, the rough opening is: 38" x 81"

Procedure:

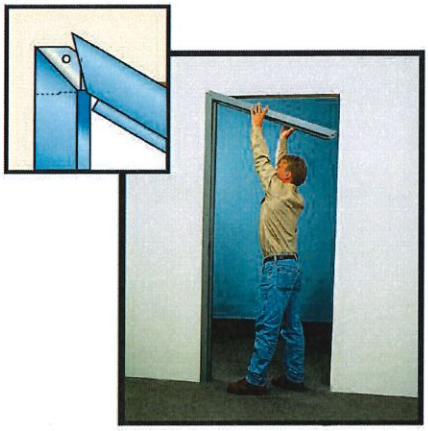
Step 1

Begin installation by pushing the top of one jamb over the wall. Hold the top in place then push the bottom in towards and over the wall.



Step 2

Position frame head over the wall. Align head tabs with jambs slots then slide head towards jamb and engage tabs in slots.



Step 3

Push the top of the remaining jamb over wall and mate jamb slots and head tabs. Push the bottom of the this jamb in towards and over the wall then level the head.

Step 4

Insert screw driver into top plumb anchor screws. Alternately adjust top plumb anchors until they bear firmly against studs.

Step 5 - Required for labeled frames

Insert (4) #8 x 1/2" Min. (Phil) PHSMS screws (by others) through holes in head backends and fasten to jamb miter guides. Verify that head is still level and shim under jambs only if necessary

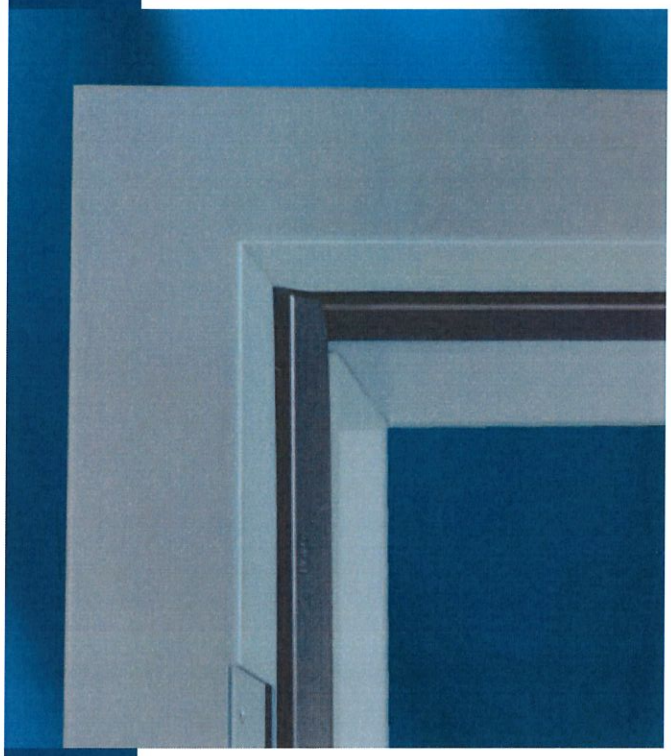
Step 6

Plumb hinge jamb and fasten at sill. Place a temporary wood spreader (by others) between jambs at sill. Adjust strike jamb to fit firmly against spreader and fasten at the bottom of this jamb.

Step 7

Adjust intermediate plumb anchors (if present) until they too bear firmly against studs. Install mutes in holes provided in strike jamb or head if double door opening.

Weather-Stripped Frames



Weather-Stripped Frames

Weather-Stripped frames provide best draft control available (for energy efficiency), and provides you with a high quality, functional, aesthetically pleasing opening.

- 18 and 16 gauge steel
- Kerf pocket with compression weatherstrip
- Fire label: up to three hours (UL10B and UL10C)
  - Underwriters Laboratories(Applied or Embossed)
  - Warnock Hersey (Applied or Embossed)
  - Factory Manual (Applied only)

Series SQW and SRW Frames

Series SQW and SRW frames for 1-3/4" doors are formed from commercial quality cold rolled steel conforming to ASTM A1008 ...or (optional) hot-dipped galvanized steel conforming to ASTM A924 and A653. Frames are knocked down (K.D.) field assembled type or welded unit type. Head and jamb members of K.D. frames have diecut mitered corners that interlock rigidly when field assembled. Door stops are 5/8" high and have an integral kerf with foam filled, fire rated, compression type gasket (weatherstrip).

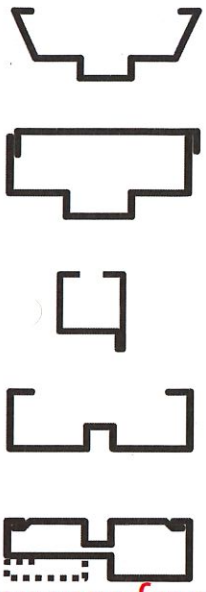
Single or double rabbet profile sizes are available in depths from 3-5/8" thru 14" (in 1/8" increments). Twist-in anchors are available for new masonry, wood stud, metal stud or existing opening wall conditions (indicate which). Welded floor anchors or extra jamb anchors are provided to anchor sill. Welded-in jamb anchors are also available.

Series DQW and DRW Slip-On Drywall Frames

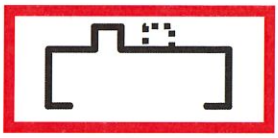
Series DQW and DRW slip-on drywall frames for 1-3/4" doors are formed from commercial quality cold rolled steel conforming to ASTM A1008 or (optional) hot-dipped galvanized steel conforming to ASTM A924 and A653. Frames are knocked down, field assembled type. Components have diecut mitered corners that interlock rigidly when field assembled. Single rabbet and double rabbet profiles are sized to fit wall thicknesses from 2-5/8" thru 13" (in 1/8" increments). Door stops are 5/8" high and have an integral kerf with foam filled, fire rated, compression type gasket (weatherstrip). Frame faces are 2" except double rabbet profiles are available with 4" face heads. Adjustable, compression type anchors are welded to jambs and allow frame installation, plumbing and squaring after wallboard is applied (To adjust anchors use Phillips head screw driver). Components have backbend-returns that protect the wall surface during installation. Sill anchoring is by means of screws through dimpled holes in faces. Welded on sill strap anchors are also available (optional). 18 gauge maximum size is 30x70 single & 60x70 double swing.

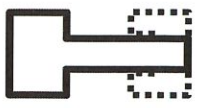
Custom Frame Details

Custom Profiles



Transom frame





Custom Frames

Combinations or modifications of designs shown are available to meet job requirements. Frames are available in cold-rolled steel, galvannealed, or stainless steel. Jamb depths, face dimensions, stop height, and return length can vary with the job requirements.Frames are fully saw mitered and welded. Custom frame material is welded locally by our distributors, thereby eliminating costly delays and damage in shipment.

Double Egress Frames

These frames are designed to permit a means of egress in two directions without a vertical mullion. They are ideally suited to schools, hospitals, and nursing homes where traffic control is crucial. The unit is available either labeled or non-labeled.

Lead-Lined Frames

Lead lining is furnished by the X-ray contractor. Frames will be provided with clips to retain lead and need to be installed by others. When used with lead-lined doors, it ensures complete X-ray protection. When specified, struts welded to the jambs and extended to the slab above provide more rigid anchorage.

Mercury Thermal Break Frames

Ceco Door Mercury thermal break frame is an energy efficient frame that incorporates a bonded thermal break with a Pemko S44 compression type weather-stripping. The new frame design is priced up to 10% less that the previous design from the factory.

The Mercury thermal break (MTB) frame has been independently tested for thermal performance with the Mercury Door U-Factor of (0.37), in accordance with NFRC 102-2014 and ASTM test methods and resistance to air infiltration with the Mercury Door (0.1 cfm sq ft), in accordance with NFRC 400 and ASTM test methods.

In addition to thermal performance, frost and condensation on the interior door frame face are significantly reduced with a thermal break frame. This is accomplished with a true thermally broken frame profile and delivers maximum protection against cold penetration through conduction. Mullions used in hollow metal transom, sidelite, and borrowed light frames feature the same new thermal break design.