



# Western Integrated Materials, Inc.

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# Western Integrated Materials, Inc.

## Company Profile

Since 1975 Western Integrated Materials, Inc. has provided the commercial office construction industry with the highest quality interior aluminum door frames and glazing systems. Our corporate office and West Coast manufacturing facility is located in Long Beach, CA. We are the industry leader on the West Coast and one of the largest supplier of interior aluminum office products in the United States.

We also now have a National Project Management Office centrally located in Oklahoma. This office provides Take-offs, Shop Drawings, Product Details, Quotes, and various other services.

Western Integrated Materials, Inc. is a family owned corporation. Large enough to handle all your interior aluminum door frames and glazing system needs, yet, small enough to take a personal interest in you and your business.

Our success is directly attributed to our dedication to continuously improve our product and service. Implementation has been concluded to provide screw spline technology to our product line. This greatly reduces the need of using clips to connect vertical to horizontal framing systems as in conventional methods. By reducing the need for clips it also virtually eliminates the need to notch full face trim. This allows our customers to greatly reduce installation time and significantly decrease their labor costs.



# Western Integrated Materials, Inc.

## Product Profile

**W**estern Integrated Materials Series 300 door frames are offered in one of the most complete range of wall thickness available in the industry today. All frames are compatible with each other from 2-1/4" through 7-1/4".

When special wall conditions are involved, the **Series 400** can be used to give complete flexibility for any wall thickness from 3" to 9-1/2".

Our **Series 300 and 400** door frames from 3" wall thickness and up, can be labeled with a 20 Minute Negative or Positive rated fire label and can be used where walls are required to be of one hour construction.

Our **Series 700** door frames can be used for any wall thickness from 3-3/4" to 8-3/8" and is designed to provide for a 90 Minute Negative or Positive fire rating.

Any Finish can be furnished from Clear Satin Anodize to the complete range of Bronze, Black, or Gold anodize.

Baked on enamel finishes are also available in standard Black, and White finishes as well as any matched custom color. Special paint is also available such as Duranar, Kynar and metallics or exotic colors.

All frames are factory mortised for hinges and strike plates leaving no chance for field error or extra field labor.

Frames are shipped KD complete with all backup plates securely staked in place and includes vinyl or mohair mute as necessary. Thread in vinyl is factory installed to save field labor. Frames are individually packaged and identified with opening numbers.

The frame is fastened along the outside edge with fasteners which are then covered with snap on trim. This installation alleviates the problem of securing the frame thru the face which, on occasion, allows the frame to twist on the wall.



# Western Integrated Materials, Inc.

## Our People Make the Difference

**T**he staff of Western Integrated Materials has had significant influence in pioneering the Interior Aluminum Doors and Frames Industry to where it is today.

With a combined 100+ years of experience our core team helped develop a number of innovative ideas including the Patented Pocket Door Frame.

We have been involved in the custom design and manufacturing of some of the most complex and sophisticated Interior Aluminum Framing projects in the country.

We are dedicated to continually improving our product and to introducing new and innovative products to accommodate our customer's needs.





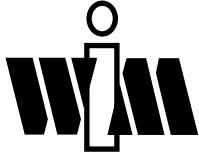
# Western Integrated Materials, Inc.

## Warranty Information

Western Integrated Materials, Inc. expressly warrants all components manufactured by Western Integrated Materials, Inc. to be free of defects in material and workmanship subject to the following terms, conditions and limitations:

- (a) The components must have been installed and maintained in strict accordance with all applicable safety codes, building standards and Western Integrated Materials, Inc. installation instructions and recommendations and be used under normal conditions and service;
- (b) The warranty is for a term of one (1) year from date of shipment providing that a written notification defining such defects is received by Western Integrated Materials, Inc. within that one (1) year period;
- (c) Western Integrated Materials, Inc.'s only liability for breach of this expressed warranty is, at Western Integrated Materials, Inc.'s cost, to repair or replace such defective components.
- (d) Western Integrated Materials, Inc. makes no other warranties or representations, either expressed or implied, concerning a product's fitness for a particular purpose. In no event will Western Integrated Materials, Inc. be liable for direct, indirect, special or consequential damages including but not limited to loss of profits or use.
- (e) Items manufactured by others and supplied by Western Integrated Materials, Inc. carry the manufacturer's warranty only. In replacing defective items manufactured by others, Western Integrated Materials, Inc. will not assume charges for freight or labor.

Materials used or installed cannot be returned for credit unless approved in writing, by Western Integrated Materials, Inc. or our agents.



# Western Integrated Materials, Inc.

## REPORT ON FIRE RESISTANCE

of

### WESTERN INTEGRATED MATERIALS EXTRUDED ALUMINUM DOOR FRAME

May 5, 1977

**WHI #495-0065**

Western Integrated Materials, Inc. successfully passed a 20 minute Fire Test on our Extruded Aluminum Door Frame for a 3' x 9' opening with a minimum wall thickness of 3-1/4".

October 2, 1981

**WHI #495-0368**

Western Integrated Materials, Inc. successfully passed a 20 minute Fire Test on our Extruded Aluminum Door Frame for a 8' x 10' frame with a minimum wall thickness of 3-3/8".

January 19, 1983

**WHI #495-0472**

Western Integrated Materials, Inc. successfully passed a 20 minute Fire Test on our Extruded Aluminum Door Frame for 6' x 9' with a minimum wall thickness of 3".

September 22, 1988

**WHI #495-0924**

Western Integrated Materials, Inc. successfully passed a 20 minute Fire Test on our Extruded Aluminum Frame Assembly for a 3' x 10' door frame and a 2' x 10' full height side light with a minimum wall thickness of 3-3/8".

October 11, 1989

**WHI #495-1002**

Western Integrated Materials, Inc. successfully passed a 20 minute Fire Test on our Series 400 (2 piece) Extruded Aluminum Door Frame for 8' x 10' with a minimum wall thickness of 3-1/2".

September 2, 1999

**POSITIVE PRESSURE**

**WHI #495-1470**

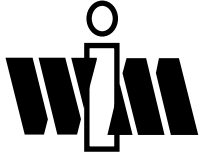
Western Integrated Materials, Inc. successfully passed a 20 minute Positive Pressure Fire Test with Smoke and Draft Control on our Extruded Aluminum Door Frame for 6' x 9' with a minimum wall thickness of 3-3/4".

June 19, 2001

**NEGATIVE / POSITIVE PRESSURE**

**WHI #495-1610**

Western Integrated Materials, Inc. successfully passed a 90 minute Positive Pressure Fire Test with Smoke and Draft Control on our Series 700 (2 piece) Extruded Aluminum Door Frame for 8' x 9' with a minimum wall thickness of 3-3/4".



# Western Integrated Materials, Inc.

## Specifications

### SECTION 08120

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Pre-finished aluminum door frames for interior use.
- B. Pre-finished aluminum window frames for interior use.
- C. Pre-finished aluminum framing system for interior use.

##### 1.2 RELATED SECTIONS

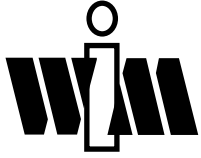
- A. Section 08211 – Flush Wood Doors.
- B. Section 08410 – Aluminum Entrances and Storefront.
- C. Section 08520 – Aluminum Windows.
- D. Section 08710 – Door Hardware.
- E. Section 08800 – Glass and Glazing.

##### 1.3 SUBMITTAL

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's fabrication and installation instructions.
- C. Shop Drawings:
  - 1. Provide standard installation details for typical architectural conditions.
  - 2. Provide details of connections to special construction and other custom features.
- D. Selection Samples: Provide aluminum chips in full range of manufacturer's standard finishes for Architect's color selection.
- E. Verification Samples: Provide two samples of each type of framing member required, not less than 12 inches long, in selected finish.

##### 1.4 QUALITY ASSURANCE

- A. Manufacturer: Provide aluminum frames manufactured by a single firm specializing in production of this type of work for a minimum of five years.
- B. Fire Rated Assemblies:



# Western Integrated Materials, Inc.

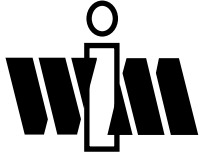
1. In locations where fire-rated openings are scheduled or required by regulatory agencies, provide fire-rated aluminum frames that have been tested and certified for specified exposure by an agency acceptable to governing authorities.
2. Provide labels permanently fastened on each frame that is within size limits established by NFPA and the testing authority.
  - a. Provide 20-minute labels.
  - b. Provide 90-minute labels.
  - c. Provide labels for openings as scheduled on the drawings.

## 1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver frames and doors packaged to provide protection during transit and storage at project site.
- B. Inspect frames upon delivery for damage.
  1. Repair minor damage to polyester finish by using air-drying spray enamel of matching color.
  2. Replace frames that cannot be satisfactory repaired.
- C. Store frames at project site under cover and as near as possible to final installation location. Do not use covering material that will cause discoloration of aluminum finish.

## 1.6 ENVIRONMENTAL REQUIREMENTS

- A. Do not begin installation of aluminum frames until area of work has been completely enclosed and interior is protected from the elements.
- B. Maintain temperature and humidity in areas of installation within reasonable limits, as close as possible to final occupancy standards. If necessary, provide artificial heating, cooling, and ventilation to maintain required environmental conditions.



# Western Integrated Materials, Inc.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Provide products manufactured by:  
Western Integrated Materials, Inc.  
3310 E. 59TH St., Long Beach, CA 90805  
Telephone: 562-634-2823
1. Substitutions will not be acceptable.
  2. Substitutions: Comply with provisions of Section 01600 for substitution requests.

### 2.2 MATERIALS

- A. Aluminum: Controlled alloy billets of 6063T5, to assure compliance with tight dimensional tolerances and maintain color uniformity.

### 2.3 EXTRUDED ALUMINUM FRAMES

- A. Western Integrated Materials Series 300, 400, 401, 402, 700, 701 Frames:  
Provide frames with the following characteristics:
1. Rectilinear design.
  2. 1-1/2", 2", 3", 4", 6" face profiles.
  3. Trim:
    - a. 1" with 3/8" return
    - b. 1-1/4" with 5/8" return
    - c. 1-1/2" with 5/16" return
    - d. 1-7/16" with 3/8" return
    - e. 2" with 5/16" return
    - f. 3" with 5/16" return
    - g. 4" with 5/16" return
    - h. 6" with 5/16" return



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5. Series 300 Throat sizes:  
2-1/4", 3", 3-1/4", 3-3/8", 3-1/2", 3-3/4",  
4-1/2", 4-5/8", 4-3/4", 4-7/8", 5", 5-1/4",  
5-1/2", 6", 7-1/4"
6. Series 400 Throat sizes:
  - a. From 3" to 6"
7. Series 401 Throat sizes:
  - a. From 6" to 7-1/2"
8. Series 402 Throat sizes:
  - a. From 7-1/2" to 9-1/2"
9. Series 700 Throat sizes:
  - a. From 3-3/4" to 5-1/2"
10. Series 701 Throat Sizes:
  - a. From 5-1/2" to 8-3/8"

## 2.4 FABRICATION

- A. Pre-machine jambs and prepare for hardware, with concealed reinforcement plates, drilled and tapped as required, and fastened within frame.
- B. Manufactured to receive 4-1/2" x 4-1/2" square hinges.
- C. Manufactured to receive a standard 2-3/4" Cylindrical or 4-7/8" A.S.A. strike.
- D. Supplied with 1/8" thick aluminum strike and hinge back up, pre-mounted on jambs.
- E. Supplied with vinyl or mohair mute.
- F. Provide corner alignment clips for precise butt or mitered connections.
- G. Fabricate all components to allow secure installation without exposed fasteners.
- H. 700 and 701 Series 90 Minute Positive Pressure Frame has full length steel backer with hinge and strike pre-drilled and tapped.

## 2.5 FINISHES



# Western Integrated Materials, Inc.

- A. Factory finish extruded frame and door components so that any part exposed to view upon completion of installation will be uniform in finish and color.
- B. Acrylic Finish: Comply with AAMA 603.5; baked to assure hardness.
  - 1. Color: As selected from manufacturer's standard colors.
  - 2. Color: As indicated in schedules on the drawings.
  - 3. Custom color to match Architect's sample.
- C. Clear Anodic Coating: Comply with AAMA 611
  - 1. Commercial, AAM12C22A21 clear anodized coating, 0.4 mil minimum thickness.
- D. Dark Bronze Anodic: Comply with AAMA 611
  - 1. Commercial, AAM12C22A24 bronze anodized coating, 0.4 mil minimum thickness.
- D. Black Anodic Coating: Comply with AAMA 611
  - 1. Commercial, AAM12C22A34 black anodized coating, 0.4 mil minimum thickness.

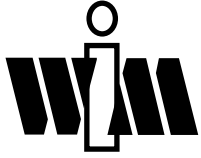
## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Examine project conditions and verify that the work of this section may properly commence. Do not proceed with installation until satisfactory conditions have been corrected.
- B. **VERIFY WALL THICKNESS DOES NOT EXCEED STANDARD TOLERANCE OF +/- 1/16".**

### 3.2 INSTALLATION

- A. Comply with frame manufacturer's printed installation instructions and approved shop drawings. Strictly adhere to maintaining specified wall thickness to insure dimension does not exceed



# Western Integrated Materials, Inc.

- frame throat size specified.
- B. Install frames plumb and square, securely anchored to substrates with fasteners recommended by frame manufacturer.
    1. Use Concealed installation clips to assure that splices and connections are tightly butted and properly aligned.
    2. Secure clips to main structural extrusion components and not to snap-in or trim members.
    3. Do not use screws or other fasteners that will be exposed to view when installation is complete.

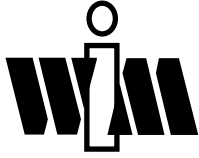
### 3.3 ADJUSTING AND CLEANING

- A. Clean exposed frames promptly after installation, using cleaning methods recommended by frame manufacturer.
- B. Touch up marred areas so that touch-up is not visible from a distance of 4 feet. Remove and replace frames that cannot be satisfactorily adjusted.

### 3.4 PROTECTION

- A. Provide protection required to assure that frames and doors will be without damage or deterioration upon substantial completion of the project.





# Western Integrated Materials, Inc.

## Specifications for Sliding Pocket Door Frames

### PART 1 GENERAL

#### 1.1 SCOPE

- A. Furnish and install door frames as indicated on the drawings and specified hereunder.

#### 1.2 WORK INCLUDED

- A. Doors, Door Frames, Pocket and Adjustable sliding hardware.

#### 1.3 WORK NOT INCLUDED

- A. Framing of openings (unless sliding pocket door frames are part of wall section).

#### 1.4 STANDARDS

- A. All work shall meet the requirements of all governing codes, ordinances, laws, regulations, safety orders and directives relating to work.

### PART 2 SYSTEM

#### 2.1 QUALITY ASSURANCE

- A. To define the standard of quality desired, frames shall be PRE-BILT™ as manufactured by Western Integrated Materials, Inc.

#### 2.2 SUBSTITUTIONS

- A. The General Contractor may offer an alternative system subject to:
  1. Obtaining written approval of the substitutions ten days prior to bid date.
  2. Acceptance of responsibility for compliance of approved substitution after installation.



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3. Erecting a full scale mock up of each condition for evaluation by the architect twenty-one days before bid date.
4. Submittal of detail drawings, specifications and samples including finishes.
5. Certification from the manufacturer of the offered alternative system that, without exception, the components proposed are of the same materials as specified and do not deviate from the specified requirements for structure, function, dimension and appearance.
6. Approval of substitutions being at the sole discretion of the architect.

## PART 3 PRODUCTS

### 3.1 MATERIALS

- A. Aluminum: Frames shall be extruded aluminum 6063 alloy.
- B. Steel member to be galvanized.

### 3.2 FINISHES

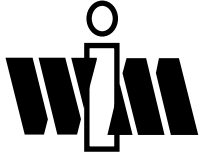
- A. Aluminum, exposed - factory paint or anodized Spec # \_\_\_\_\_.
- B. Steel - galvanized

### 3.3 DOORS

- A. 1-3/8" door for 3-3/4" throat
- B. 1-3/4" door for 4-7/8" throat

## PART 4 INSTALLATION

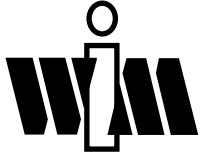
- A. Installation shall be made in accordance with manufacturer's recommendations, by an approved contractor to provide a plumb assembly with all joints tightly fitting. On completion, frame is to be wiped clean and all equipment, tools, surplus materials and debris removed from the job.



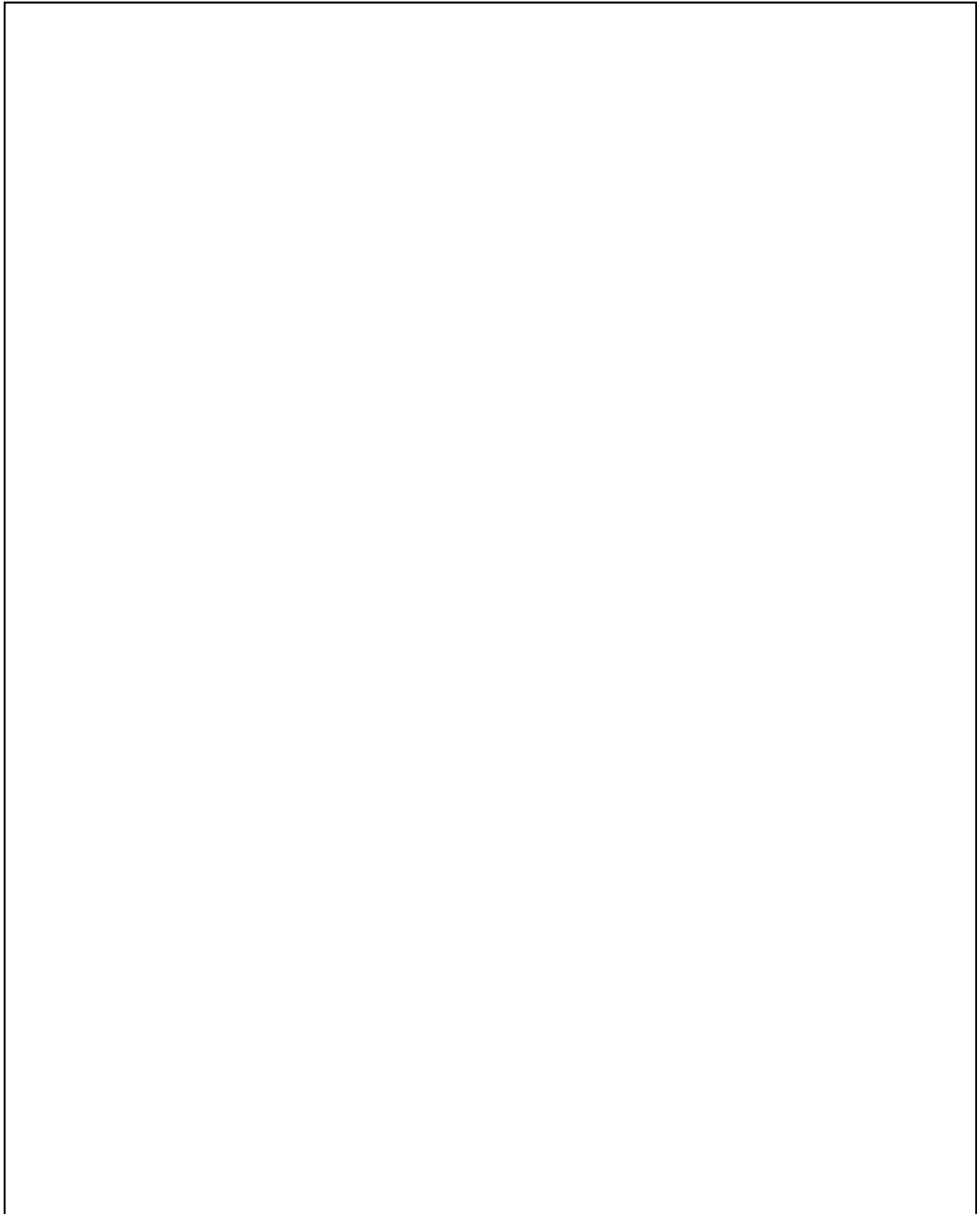
# Western Integrated Materials, Inc.

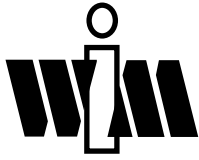
## Architectural Specifications for Positive Pressure Fire Test

- ❖ Meeting the UBC 97 Building Code 7.2 Part 1 and Part 2.
  - Part-1 Fire Tested for 20 Minute Positive Pressure.
  - Part-2 Smoke and Draft Control.
  
- ❖ Maximum Opening Size 6' x 9'.
  
- ❖ Series 300  
Throat Size with Approval are 3-3/4", 4-1/2", 4-5/8", 4-3/4", 4-7/8", 5", 5-1/4", 5-1/2", 6", 7-1/4".
  
- ❖ Series 400  
Throat Size with Approval are 3-3/4" to 9-1/2"
  
- ❖ The Fire Rated Doors installed in the Positive Pressure labeled WIM Frame are 20 Minute Fire Rated Neutral / Negative Pressure tested, Flush type, Particleboard Core Doors. When these doors are installed in a Positive Pressure labeled WIM Frame they are qualified to be labeled for Positive Pressure and labeled as a Smoke-And-Draft-Control Door Assembly with the "S" on the Door Label.
  
- ❖ Acceptable Labeled Hardware Mortised or Cylindrical Latch, Auto or Manual Mortised Flush Bolts, Surface Mounted Bolts, Concealed and Surface Mounted Fire Exit Hardware.



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## Recessed Pocket Glazing Elevations and Details

The following Elevations reflect our Door Frames w/ the Recessed Pocket Glazing System.

Door Frame material is available in the different throat sizes listed below:

310 Series -- 2-1/4"	315 Series -- 3-3/4"	319 Series -- 5"
311 Series -- 3"	316 Series -- 3-7/8"	320 Series -- 5-1/4"
312 Series -- 3-1/4"	317 Series -- 4-1/2"	321 Series -- 5-1/2"
313 Series -- 3-3/8"	329 Series -- 4-5/8"	325 Series -- 6"
314 Series -- 3-1/2"	330 Series -- 4-3/4"	327 Series -- 7-1/4"
	318 Series -- 4-7/8"	

Door Frame material is also available in the 400 system for throat sizes of 3" to 9-1/2". (See Sec. D)

Recessed Pocket Glazing material is available in the different throat sizes listed below:

313 Series -- 3-3/8"	316 Series -- 3-7/8"	319 Series -- 5"
314 Series -- 3-1/2"	329 Series -- 4-5/8"	320 Series -- 5-1/4"
315 Series -- 3-3/4"	318 Series -- 4-7/8"	321 Series -- 5-1/2"

Applied Stop Glazing material is available in the different throat sizes listed below: (See Sec. F)

310 Series -- 2-1/4"	315 Series -- 3-3/4"	319 Series -- 5"
311 Series -- 3"	316 Series -- 3-7/8"	320 Series -- 5-1/4"
312 Series -- 3-1/4"	317 Series -- 4-1/2"	321 Series -- 5-1/2"
313 Series -- 3-3/8"	329 Series -- 4-5/8"	325 Series -- 6"
314 Series -- 3-1/2"	330 Series -- 4-3/4"	327 Series -- 7-1/4"
	318 Series -- 4-7/8"	

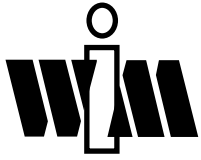
Glazing material is also available in the 400 system for throat sizes of 3" to 9-1/2". (See Sec. D)

Please note the elevation detail numbers. The top number represents the actual detail number. The bottom letter depicts the trim type:

<b>"Blank" = 302 (3/8" x 1") Trim</b>	<b>"A" = 304-1 (5/16" 1-1/2") Full Face Trim</b>
<b>"B" = 304-2 (5/16" x 2") Full Face Trim</b>	<b>"C" = 304-3 (5/16" x 3") Full Face Trim</b>
<b>"D" = 304-2 (5/16" x 4") Full Face Trim</b>	<b>"F" = 305 (5/16" x 1-1/2") Reveal Trim</b>

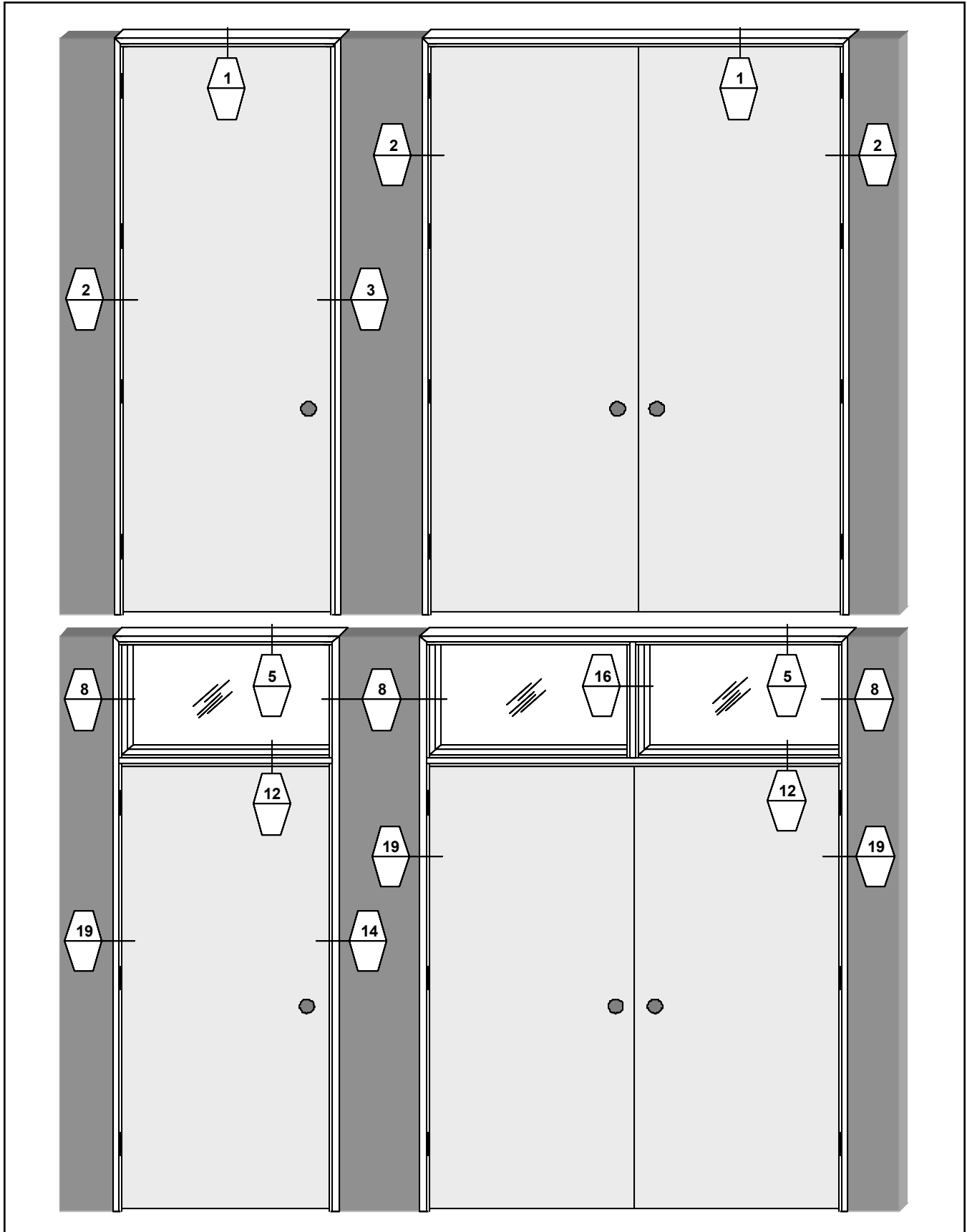
Other trims that are available but not shown are:

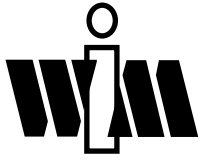
<b>"E" = 304-6 (5/16" x 6") Full Face Trim</b>	<b>"G" = 303 (5/8" x 1-1/4") Reveal Trim</b>
<b>"H" = 306 (3/8" x 1-7/16") Full Face Trim</b>	



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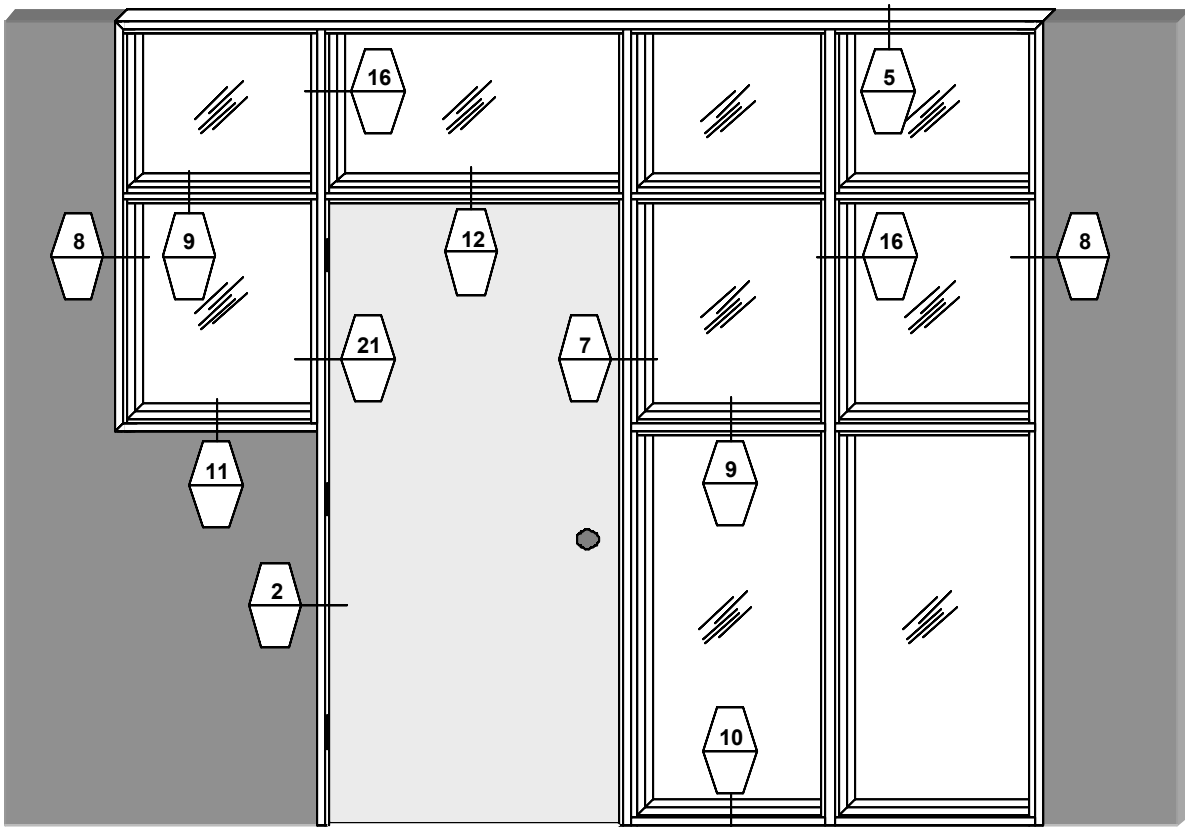
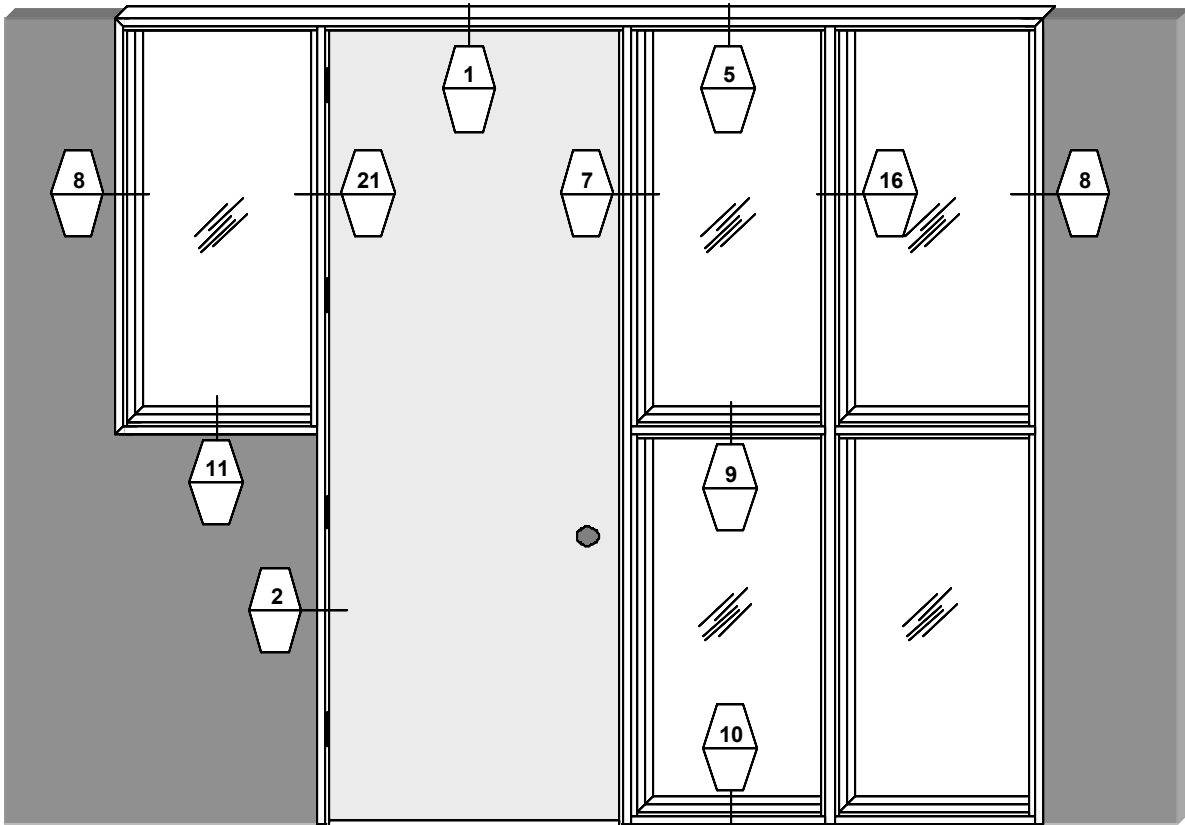
Elevations Showing 302 (1") Trim w/ Recessed Pocket Glazing

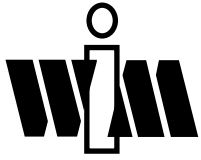




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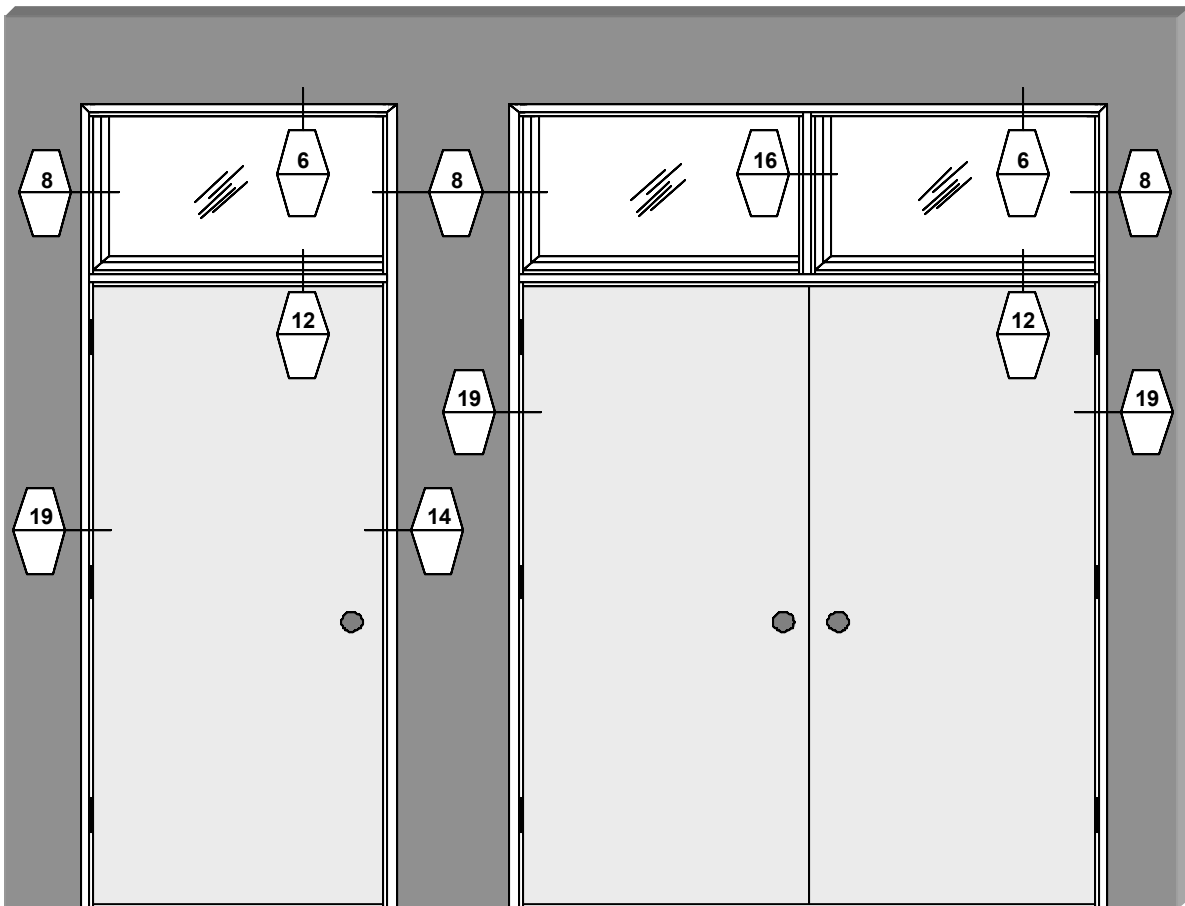
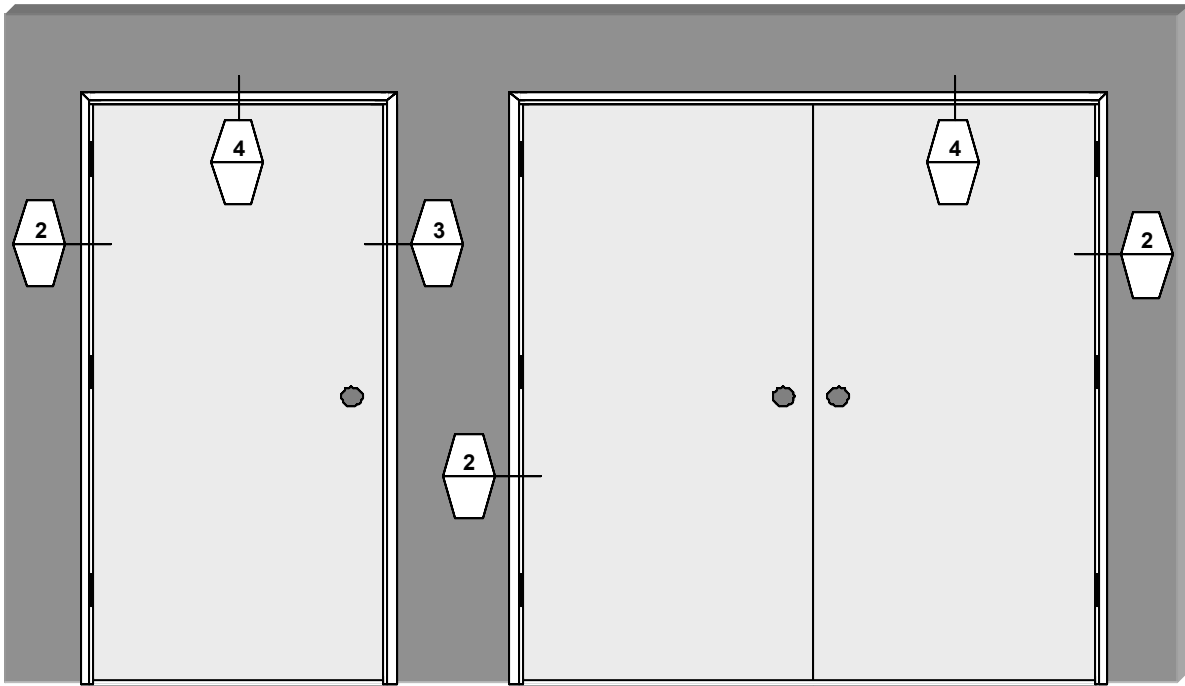
Elevations Showing 302 (1") Trim w/ Recessed Pocket Glazing



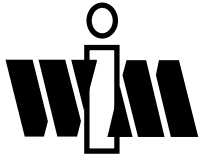


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Elevations Showing 302 (1") Trim w/ Recessed Pocket Glazing

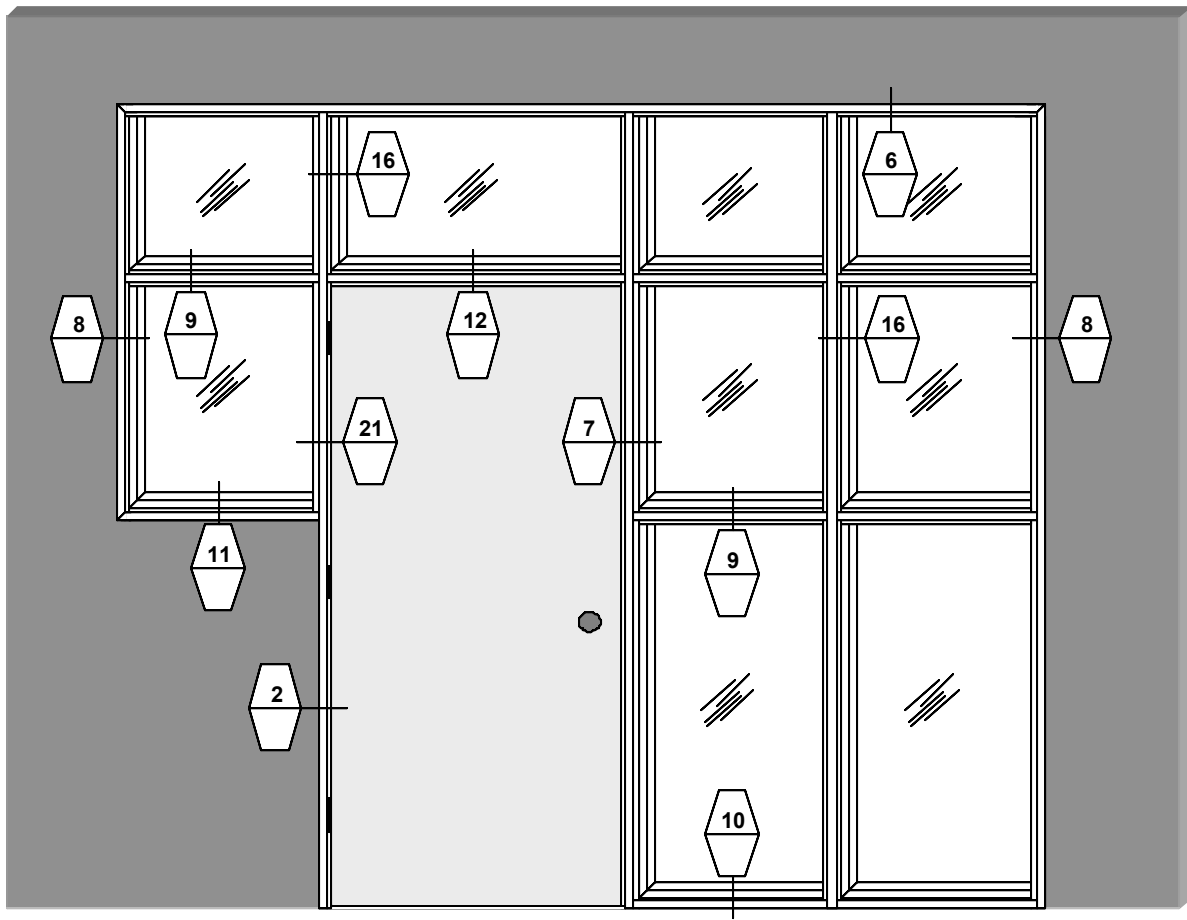
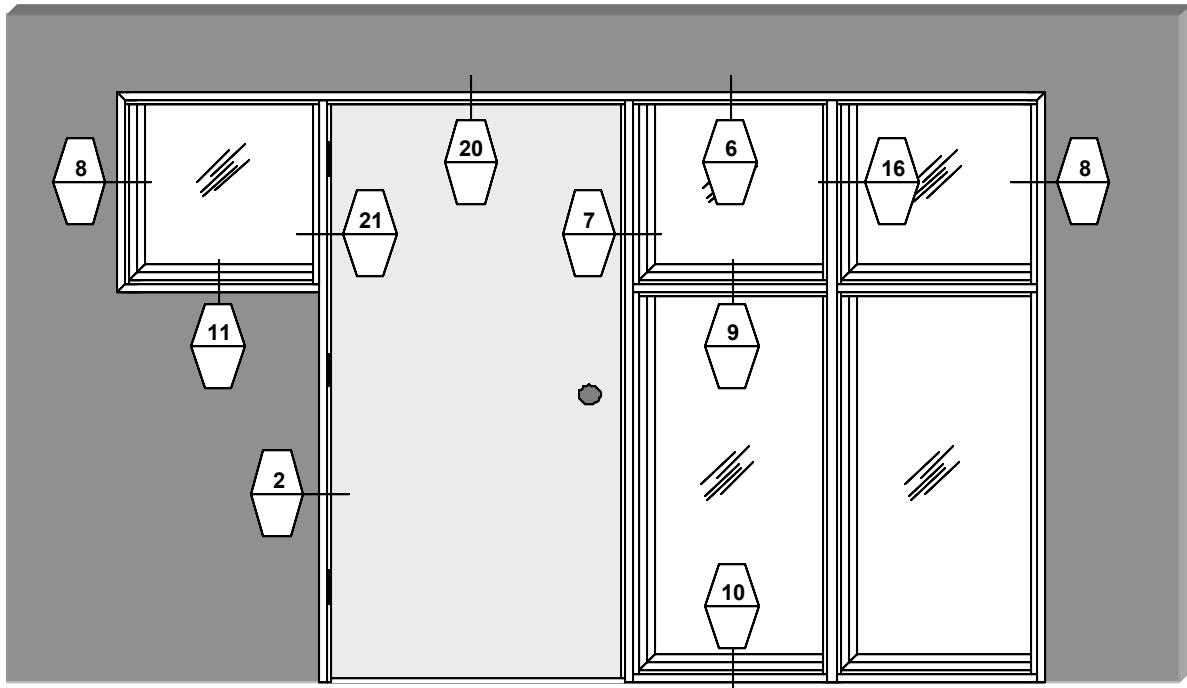


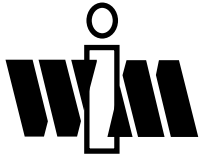




# Western Integrated Materials, Inc.

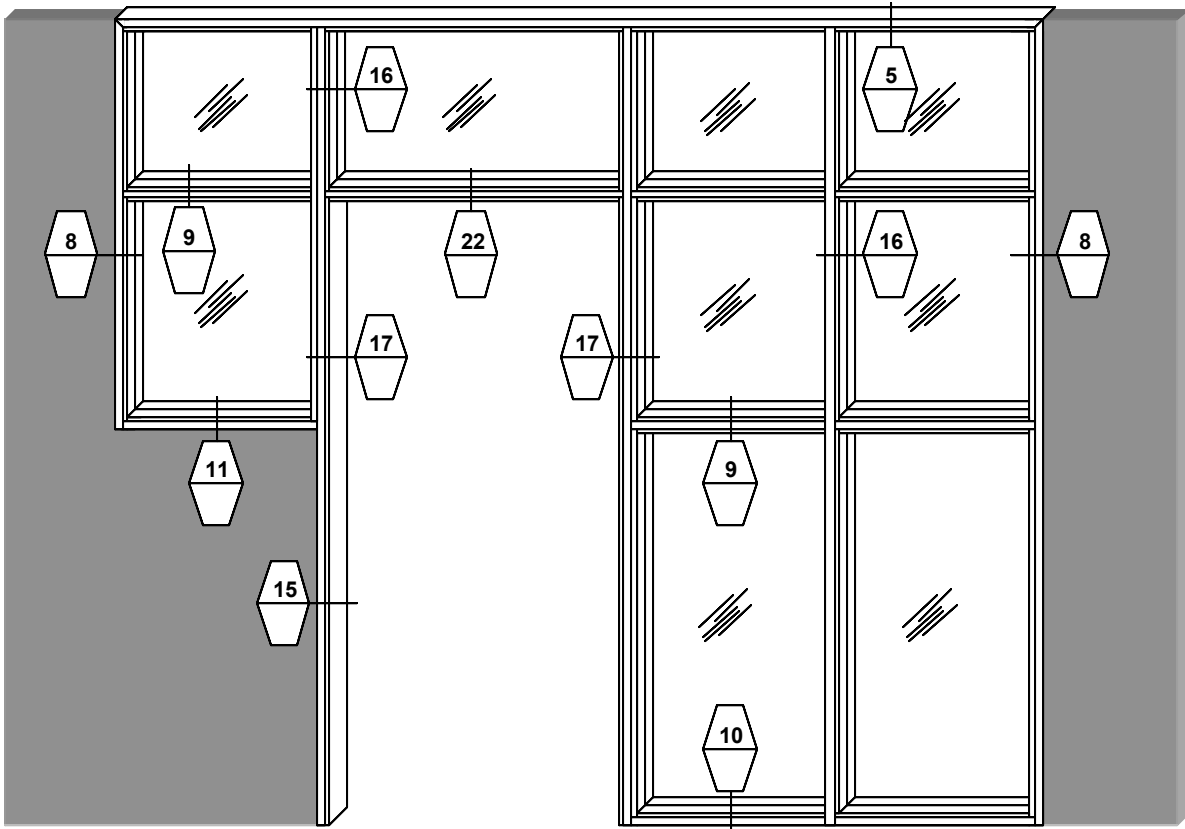
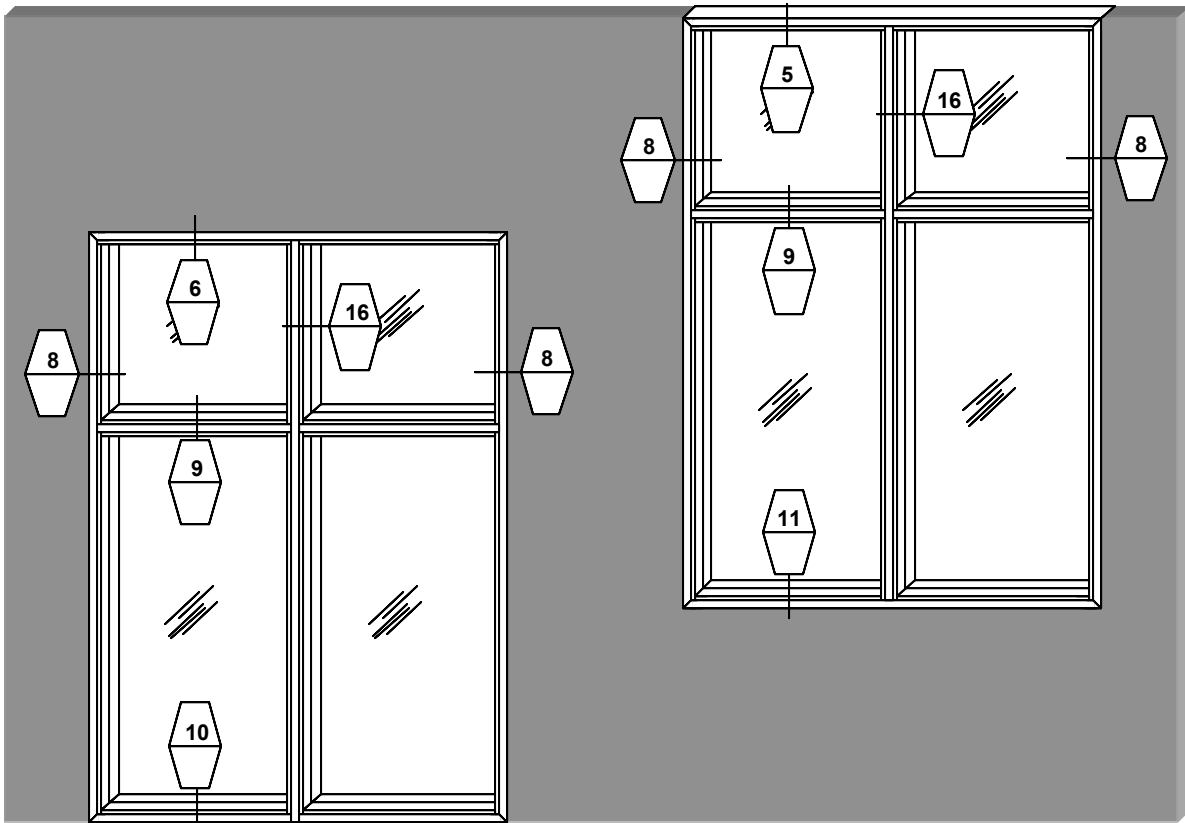
Elevations Showing 302 (1") Trim w/ Recessed Pocket Glazing

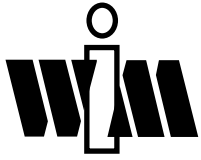




# Western Integrated Materials, Inc.

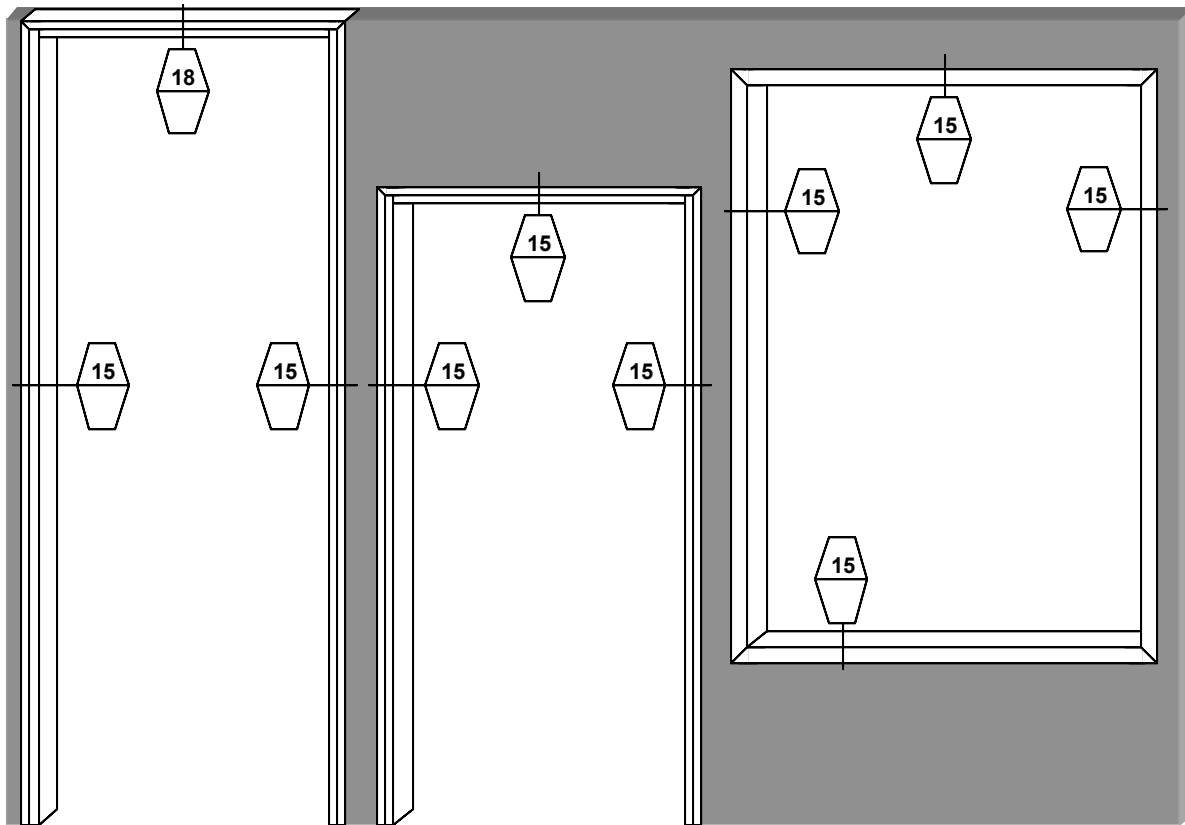
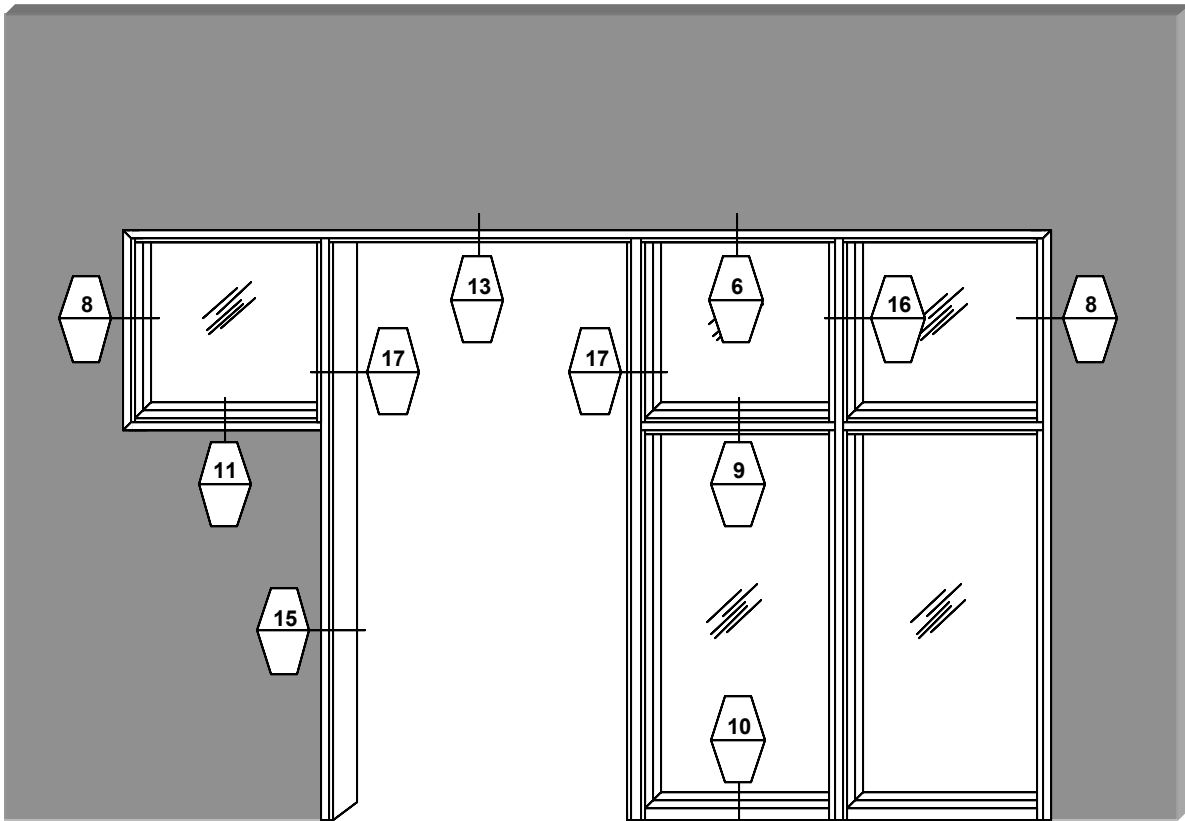
Elevations Showing 302 (1") Trim w/ Recessed Pocket Glazing

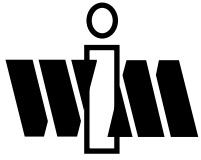




# Western Integrated Materials, Inc.

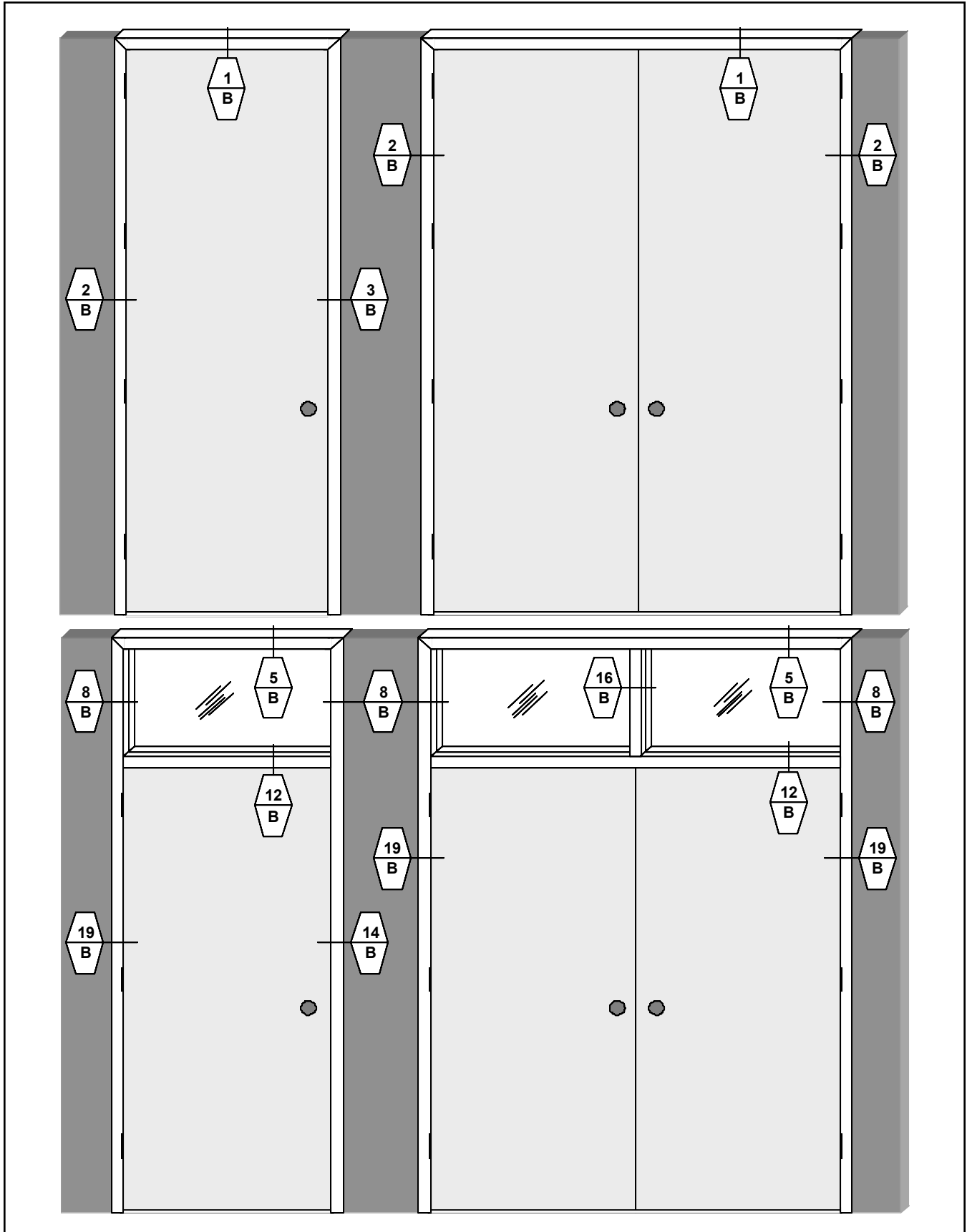
Elevations Showing 304-1 (1-1/2") Trim w/ Recessed Pocket Glazing

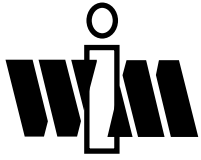




# Western Integrated Materials, Inc.

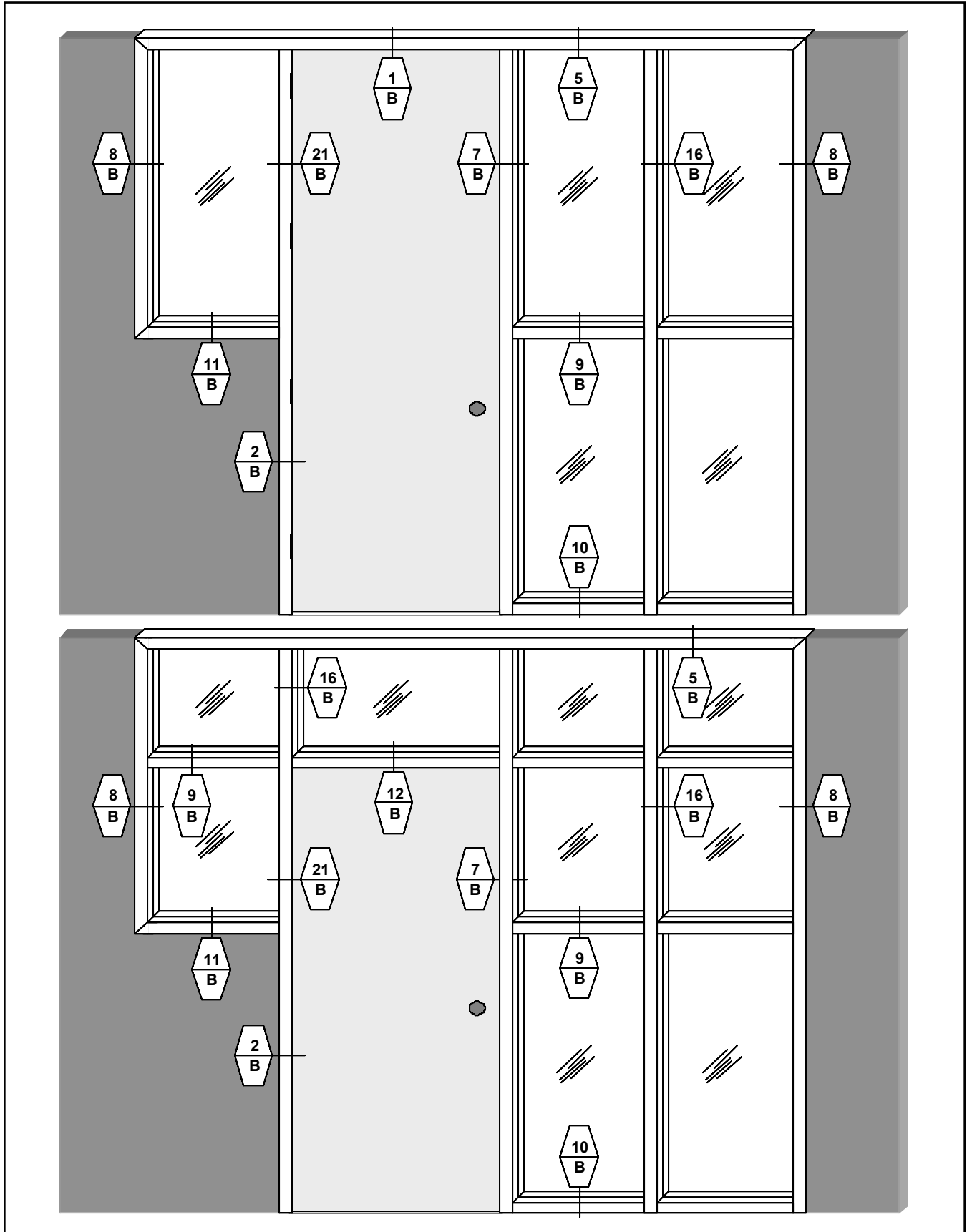
Elevations Showing 304-1 (1-1/2") Trim w/ Recessed Pocket Glazing

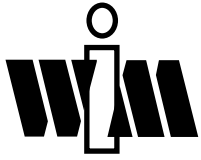




# Western Integrated Materials, Inc.

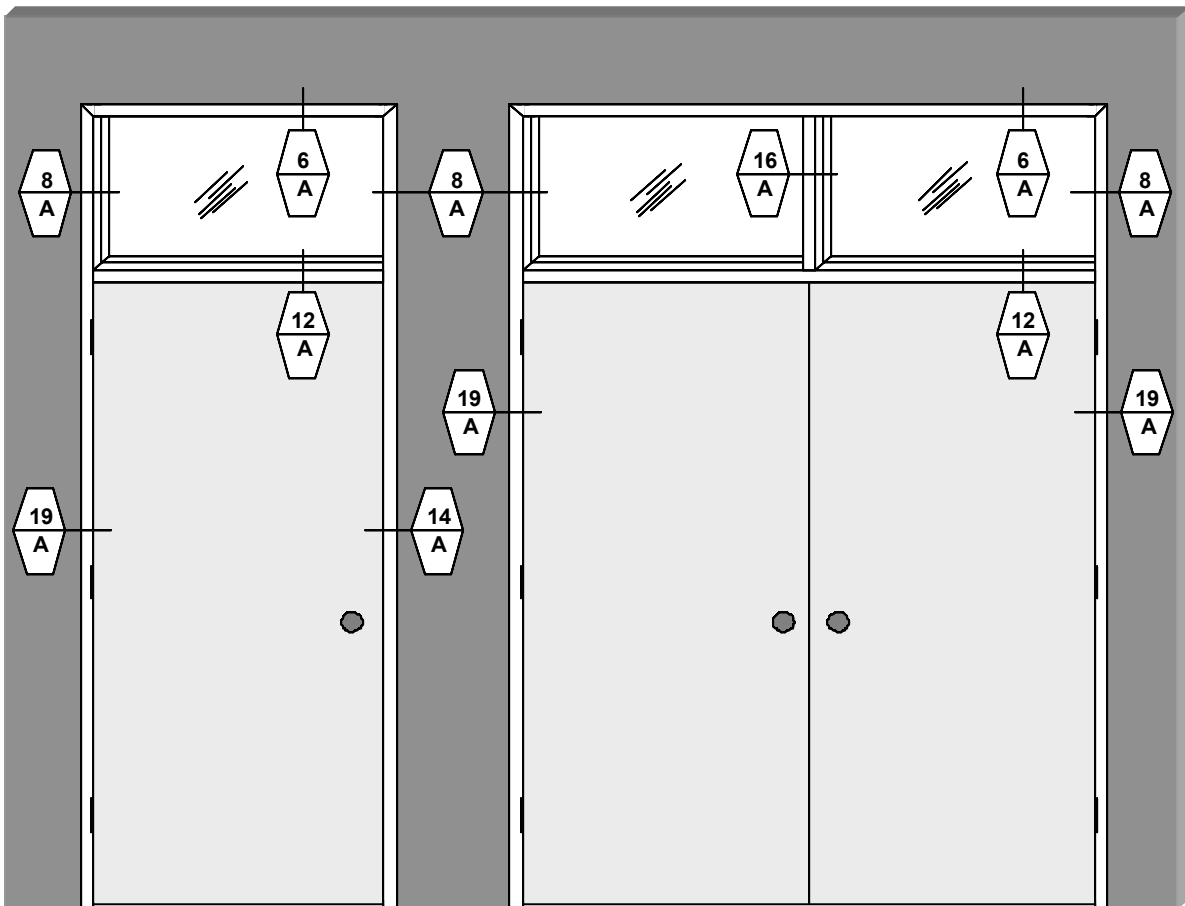
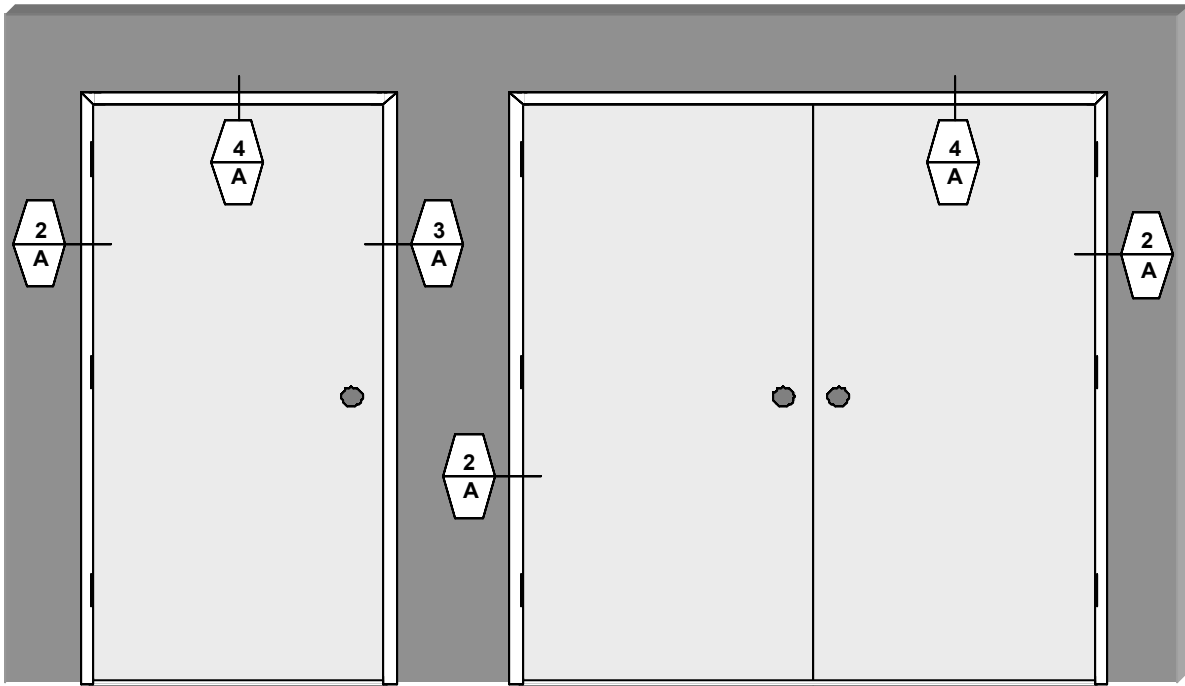
Elevations Showing 304-1 (1-1/2") Trim w/ Recessed Pocket Glazing

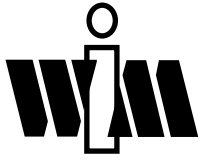




# Western Integrated Materials, Inc.

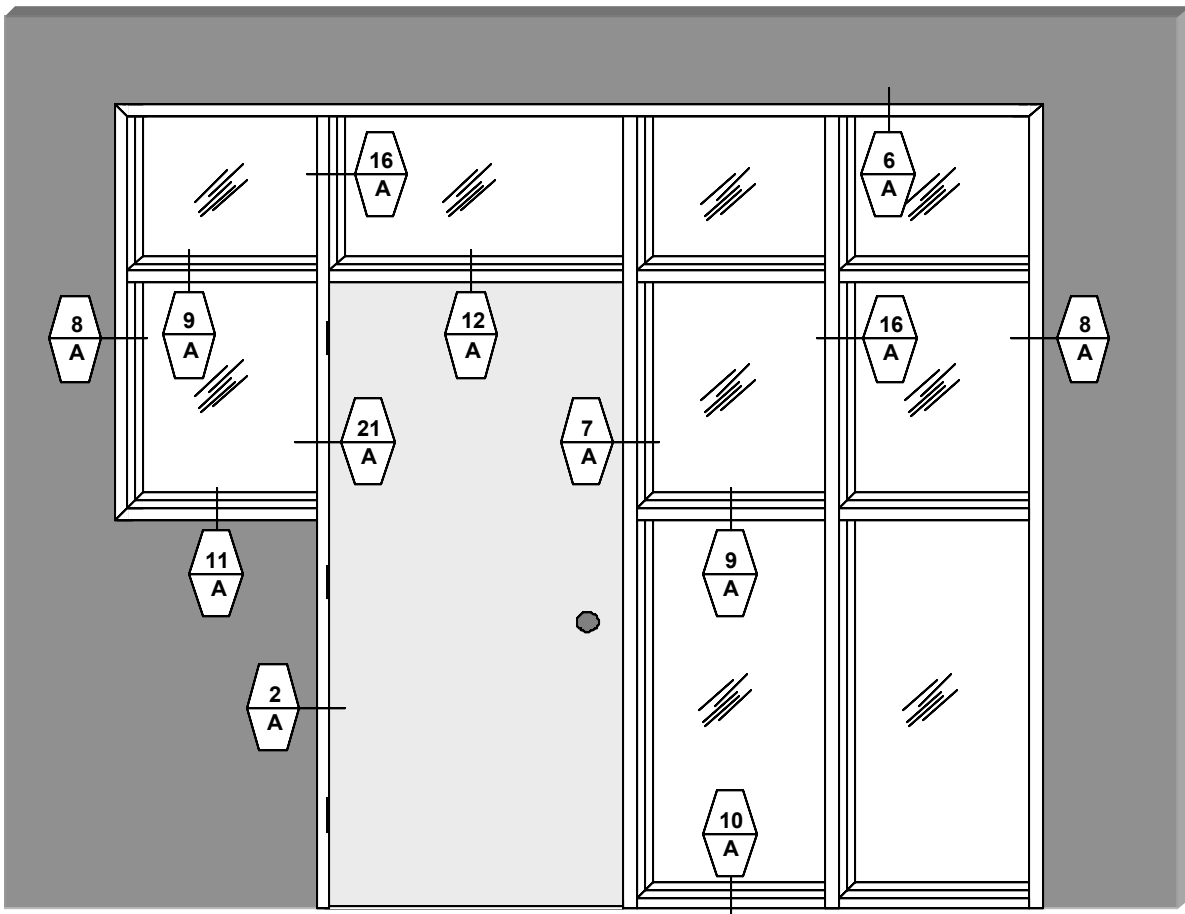
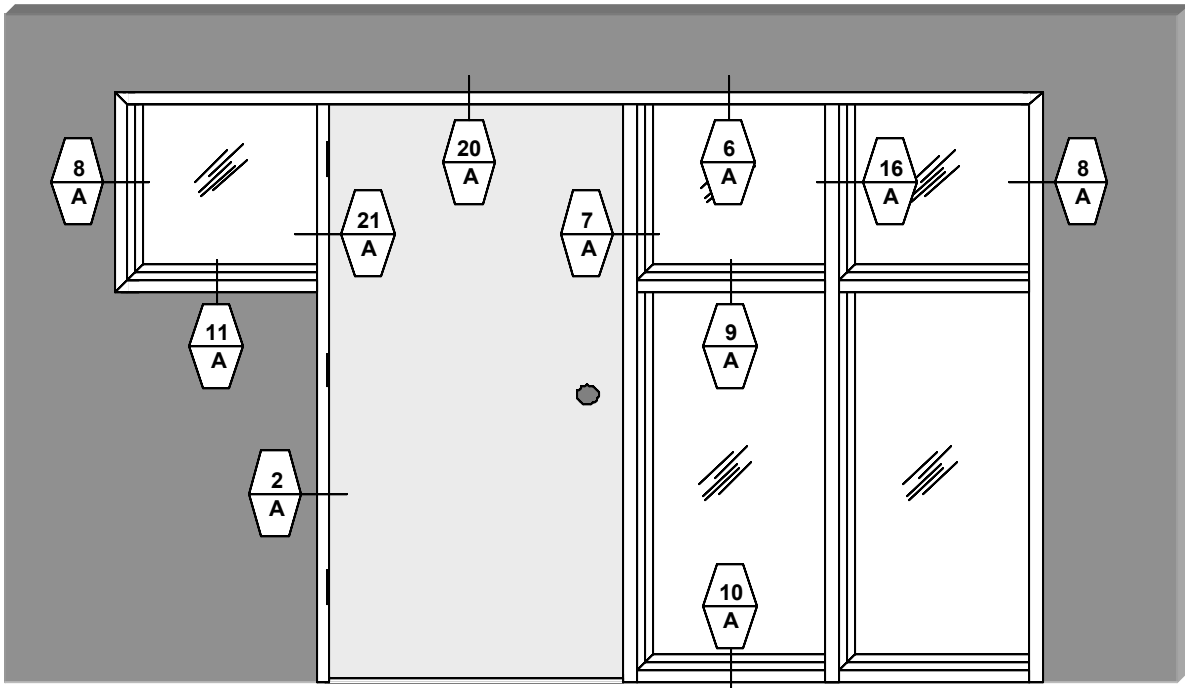
Elevations Showing 304-1 (1-1/2") Trim w/ Recessed Pocket Glazing

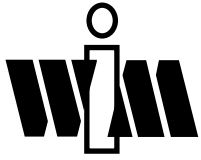




# Western Integrated Materials, Inc.

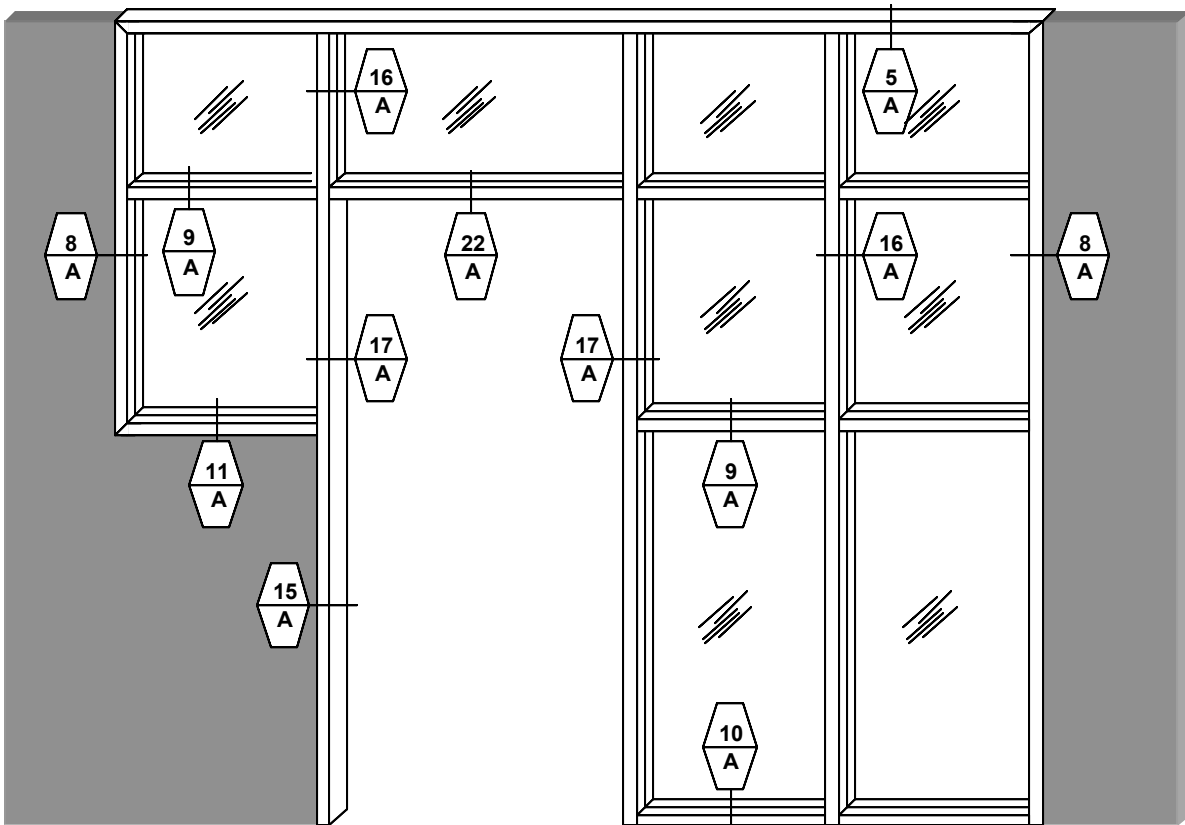
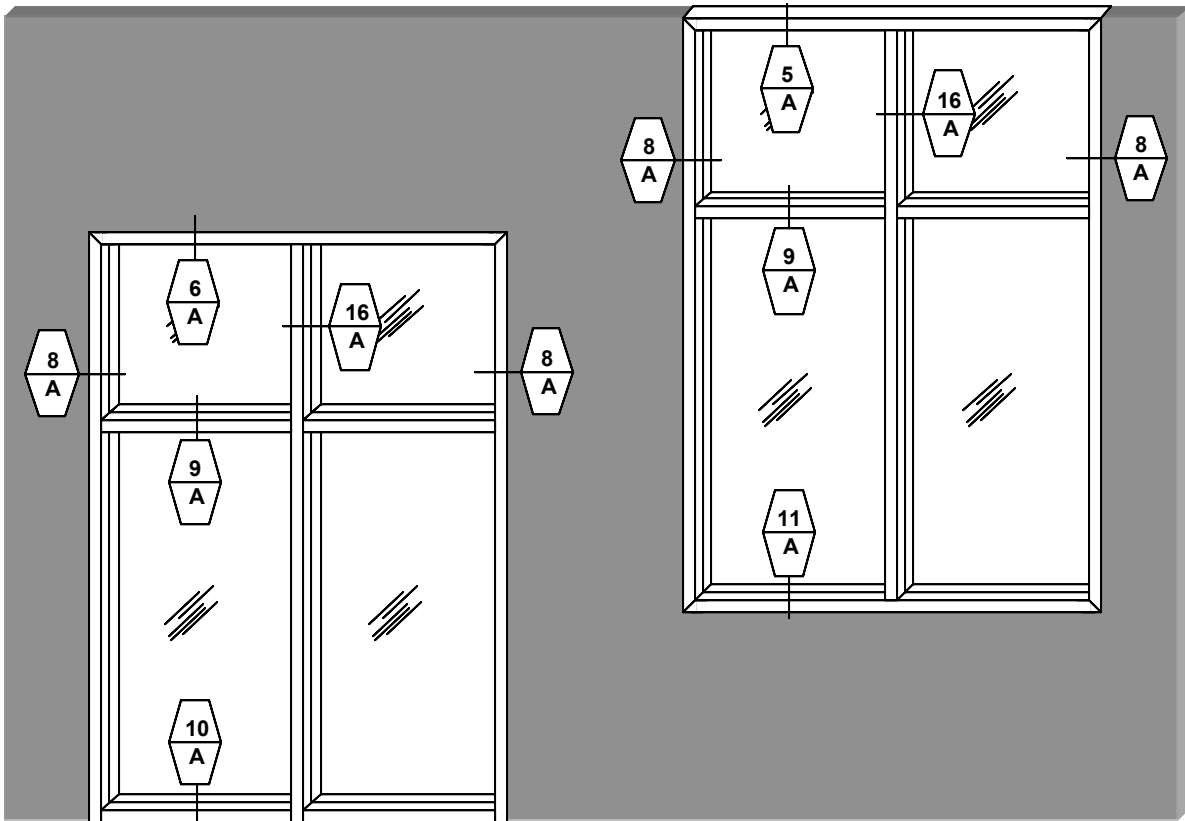
Elevations Showing 304-1 (1-1/2") Trim w/ Recessed Pocket Glazing



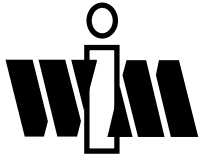


# Western Integrated Materials, Inc.

Elevations Showing 304-1 (1-1/2") Trim w/ Recessed Pocket Glazing

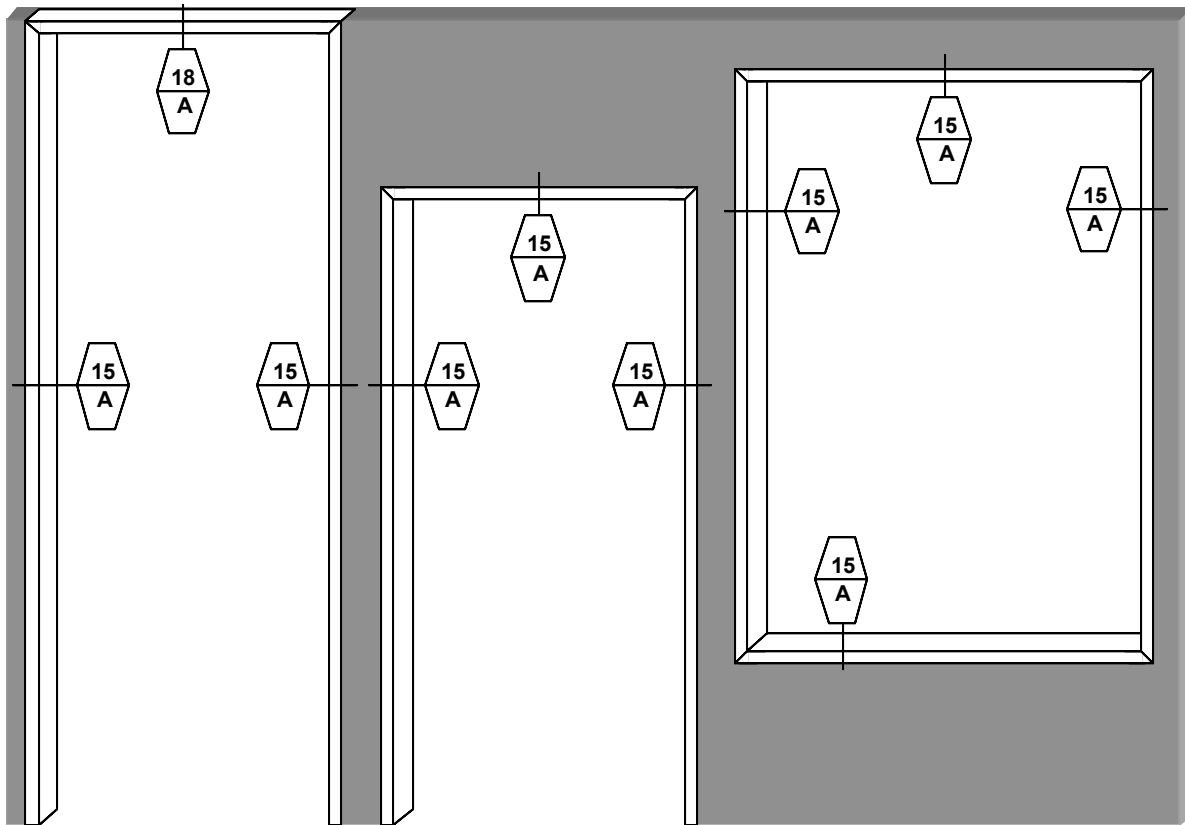
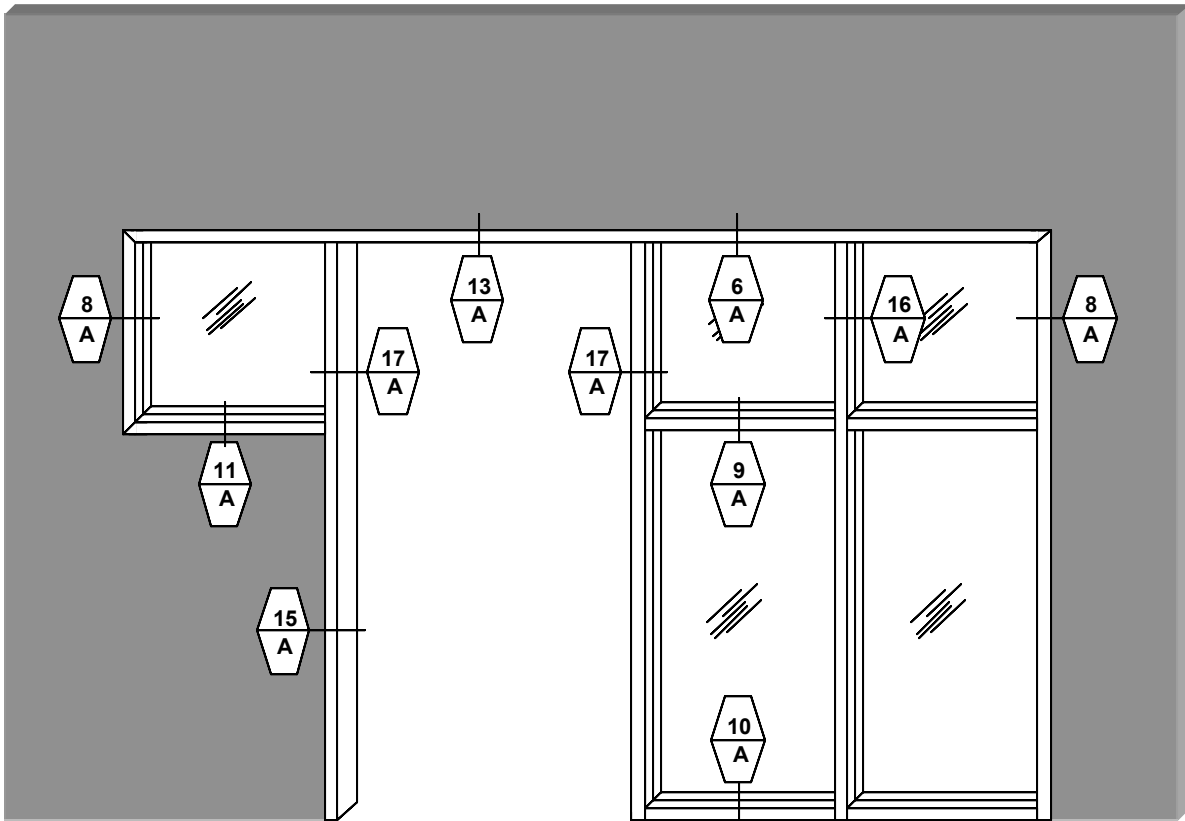


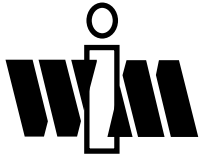




# Western Integrated Materials, Inc.

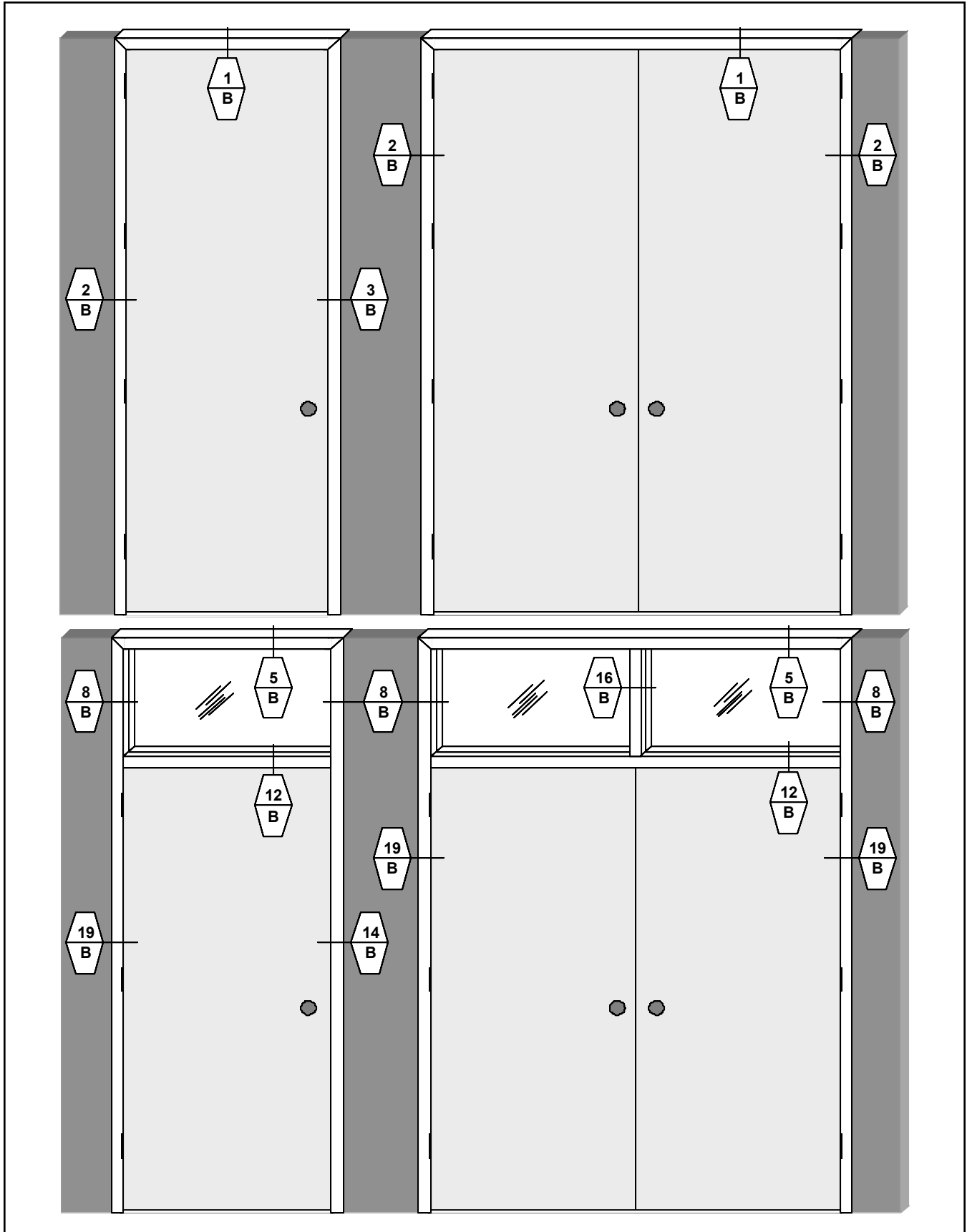
Elevations Showing 304-1 (1-1/2") Trim w/ Recessed Pocket Glazing

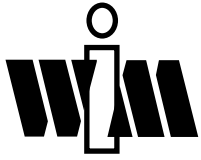




# Western Integrated Materials, Inc.

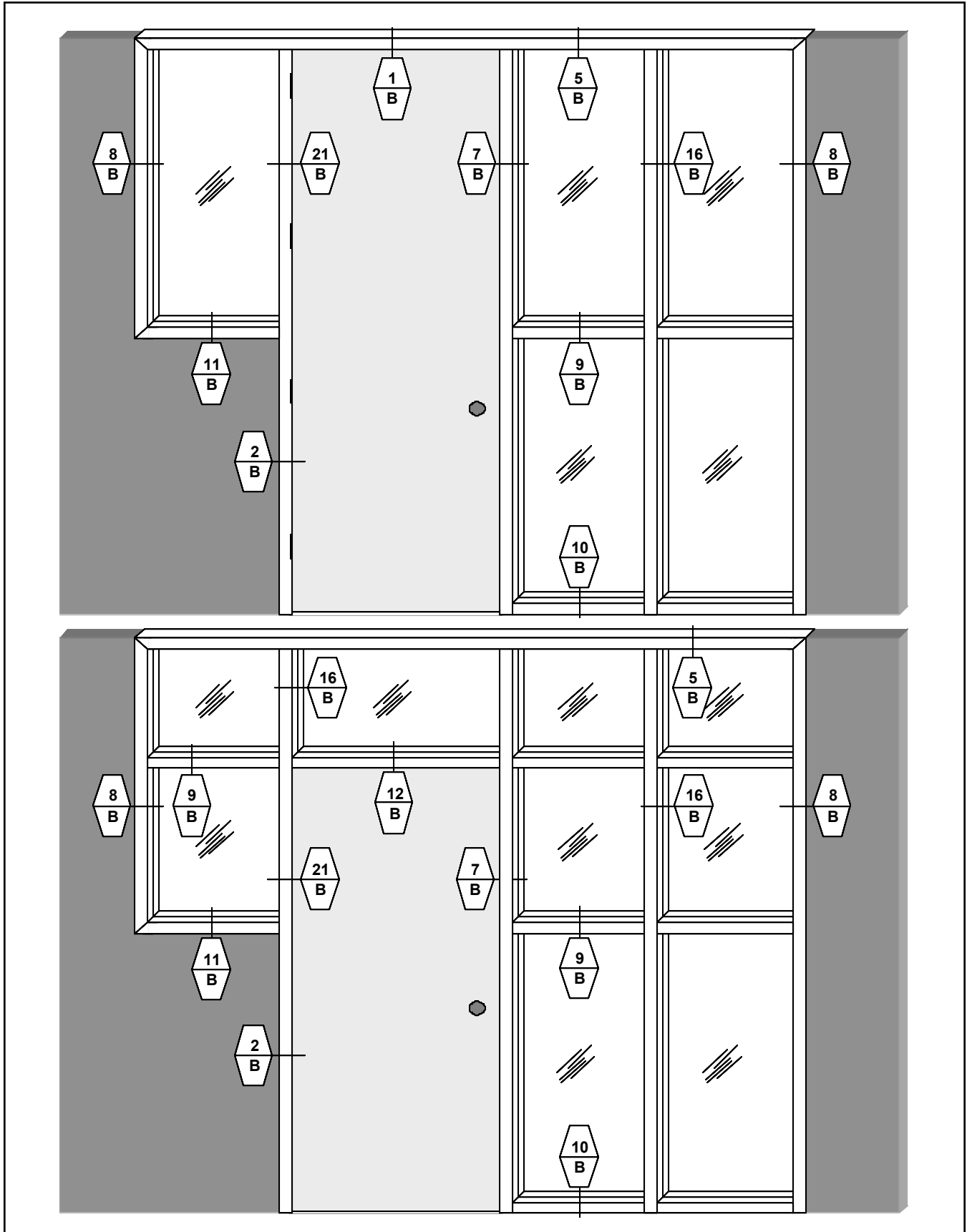
Elevations Showing 304-2 (2") Flush Trim w/ Recessed Pocket Glazing

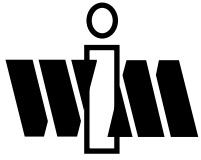




# Western Integrated Materials, Inc.

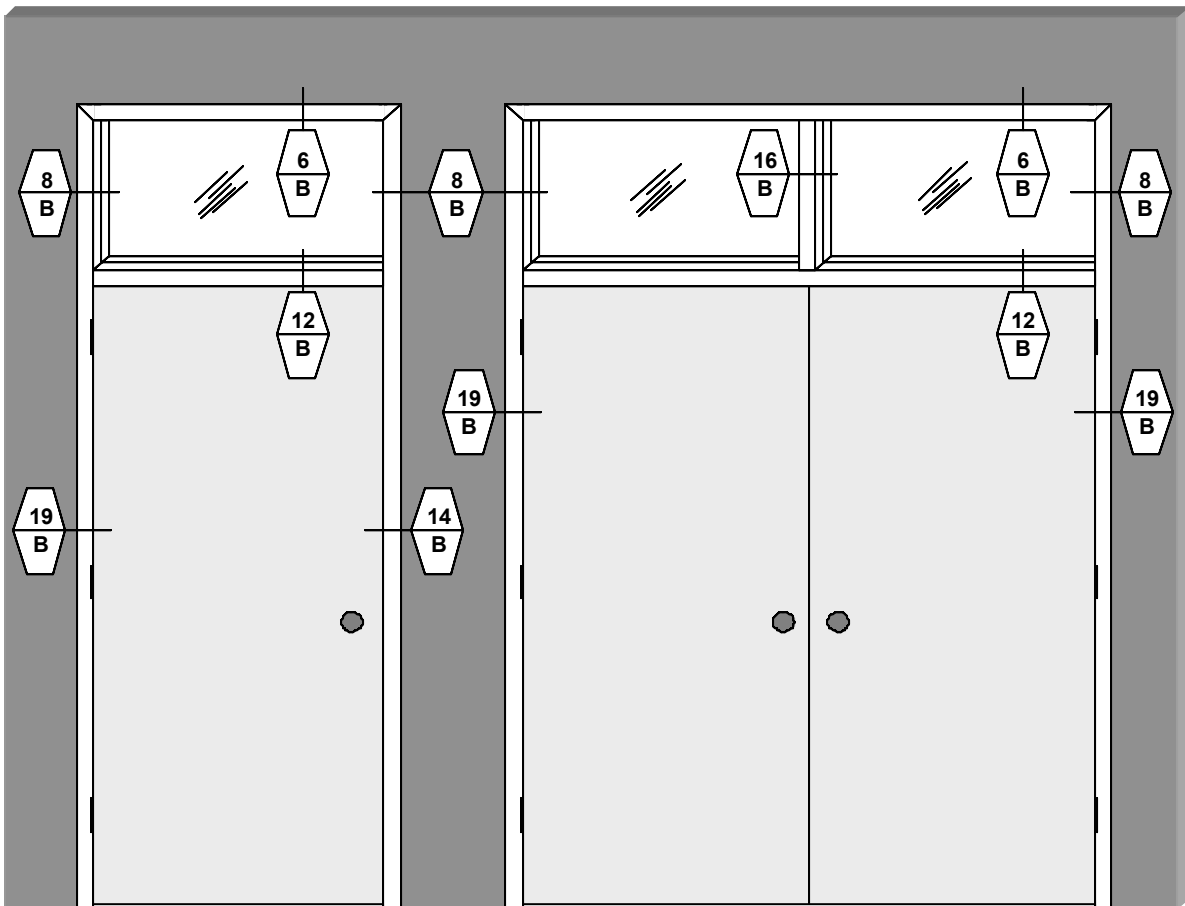
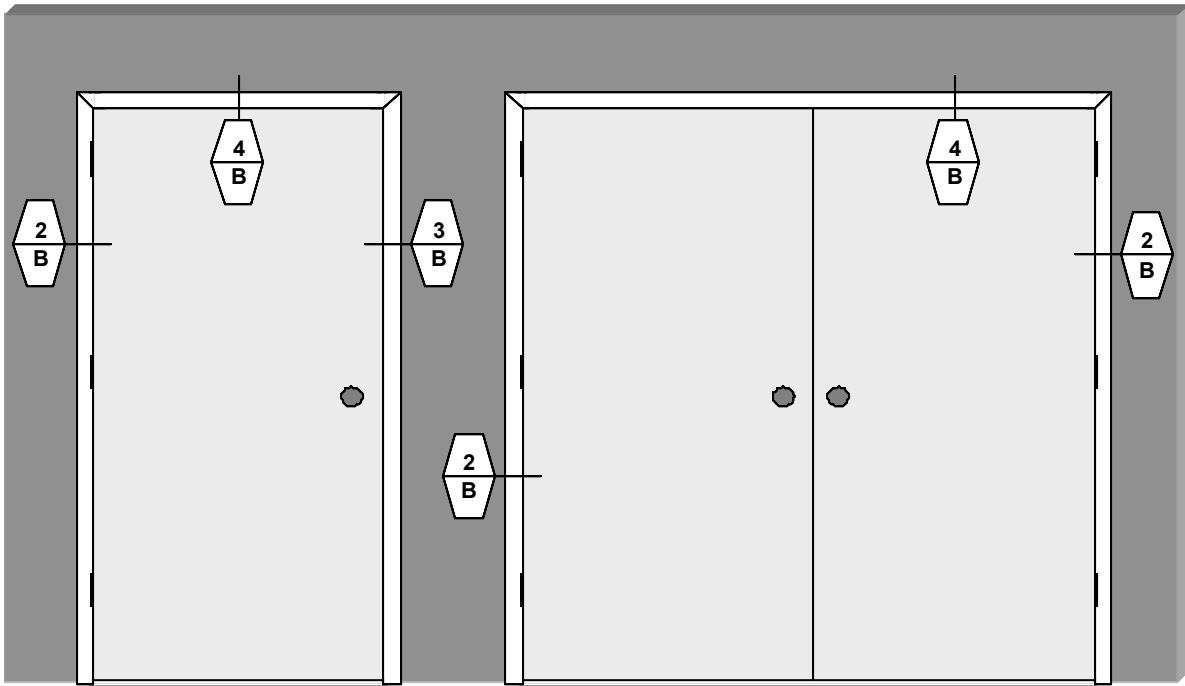
Elevations Showing 304-2 (2") Flush Trim w/ Recessed Pocket Glazing

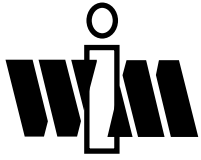




# Western Integrated Materials, Inc.

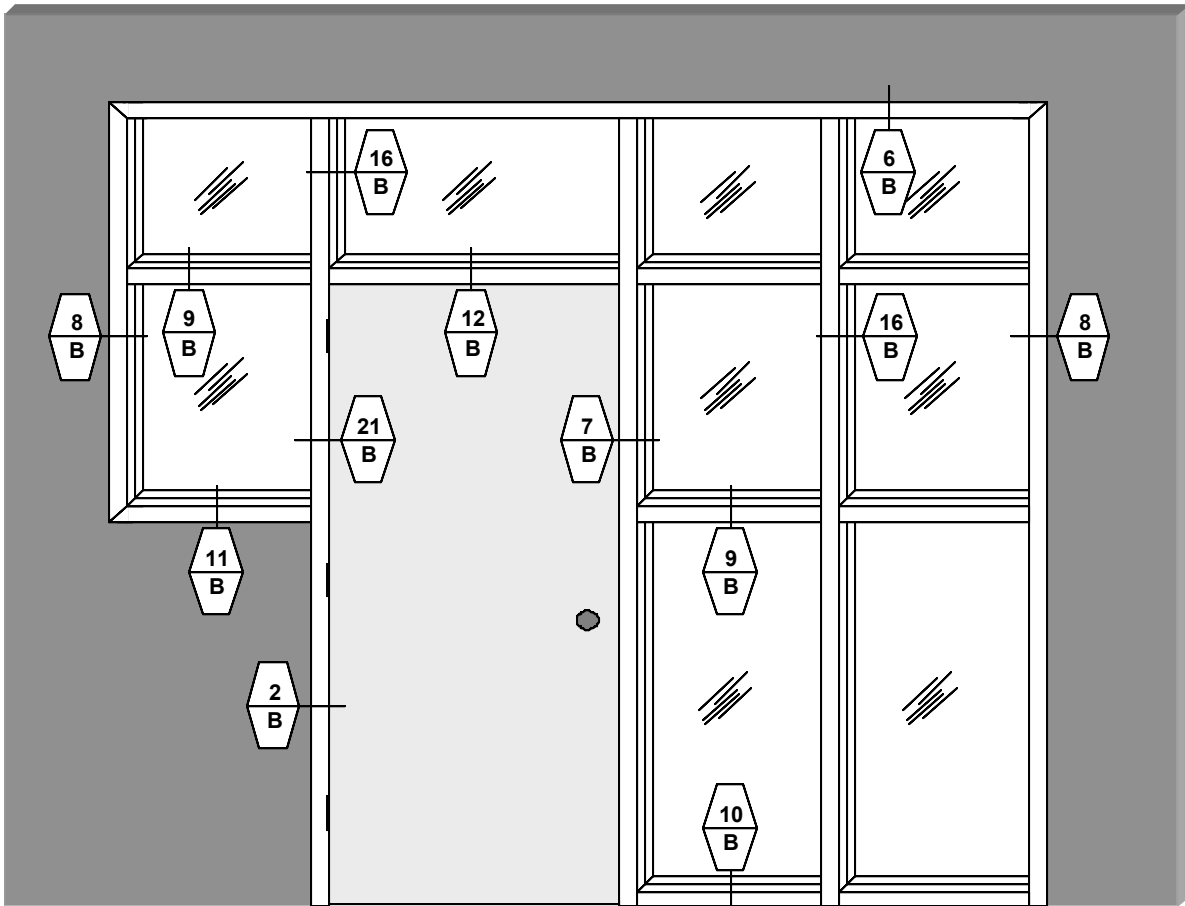
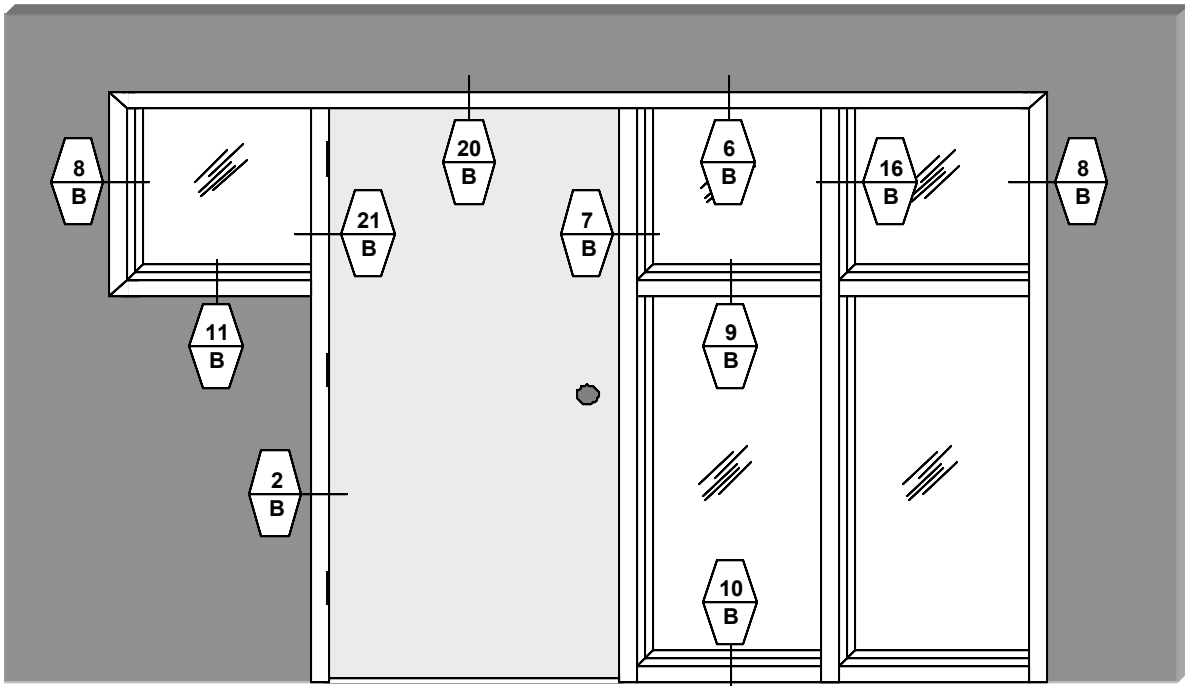
Elevations Showing 304-2 (2") Flush Trim w/ Recessed Pocket Glazing

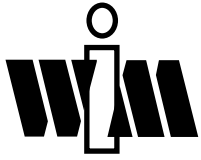




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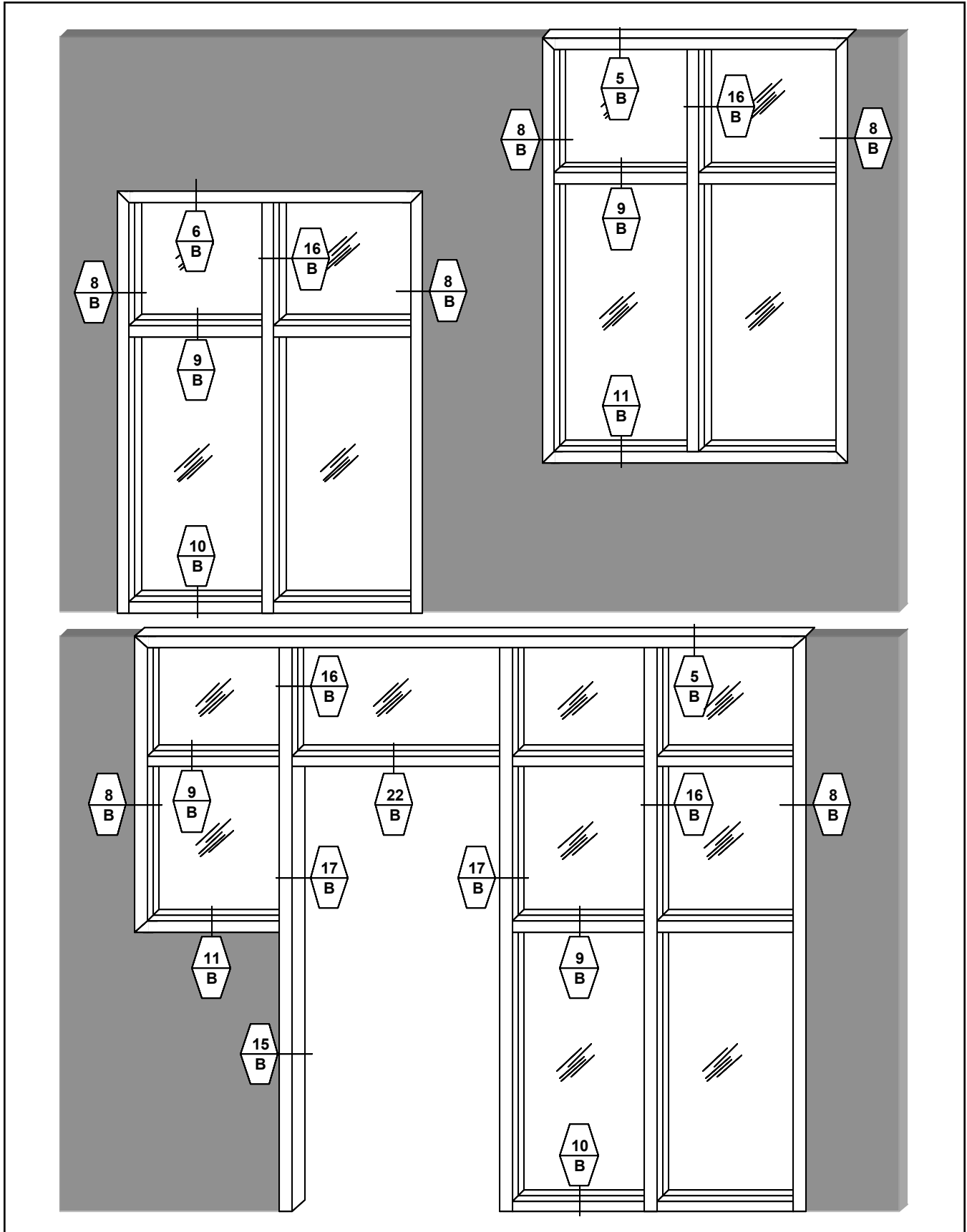
Elevations Showing 304-2 (2") Flush Trim w/ Recessed Pocket Glazing

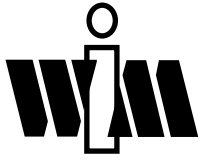




# Western Integrated Materials, Inc.

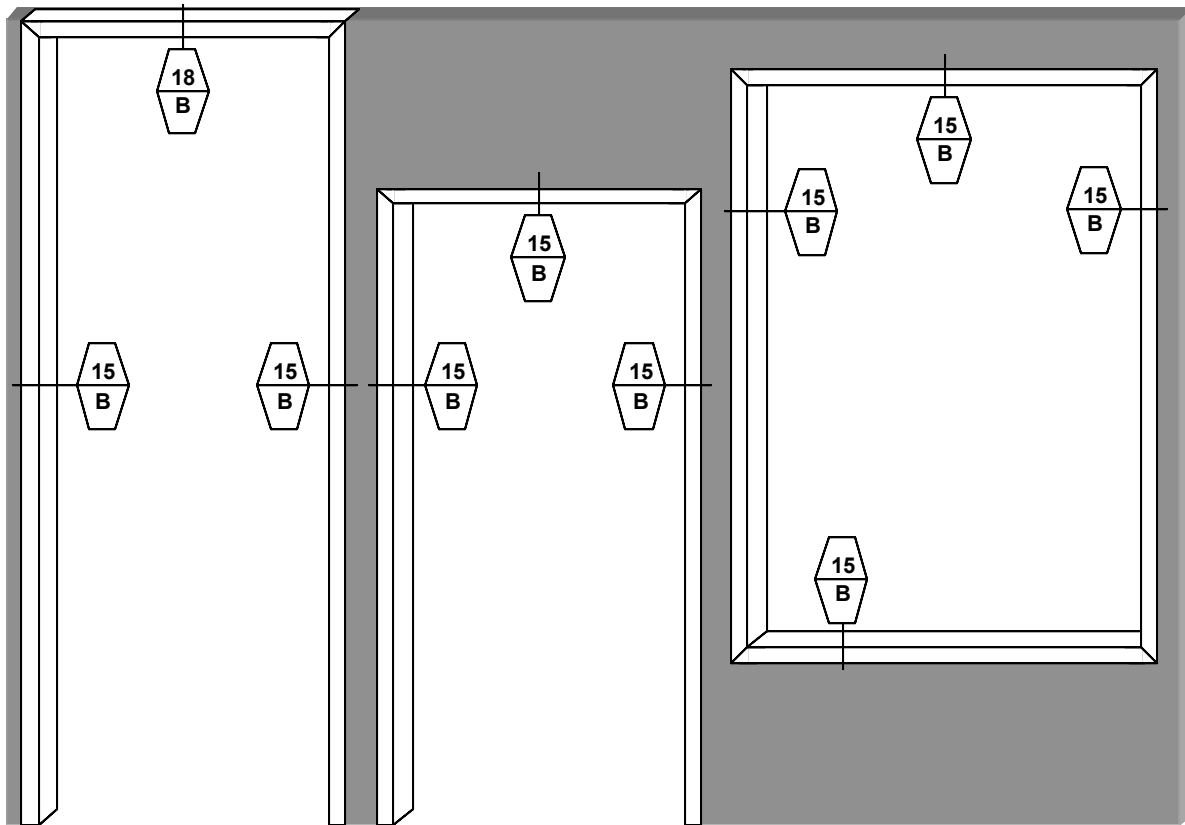
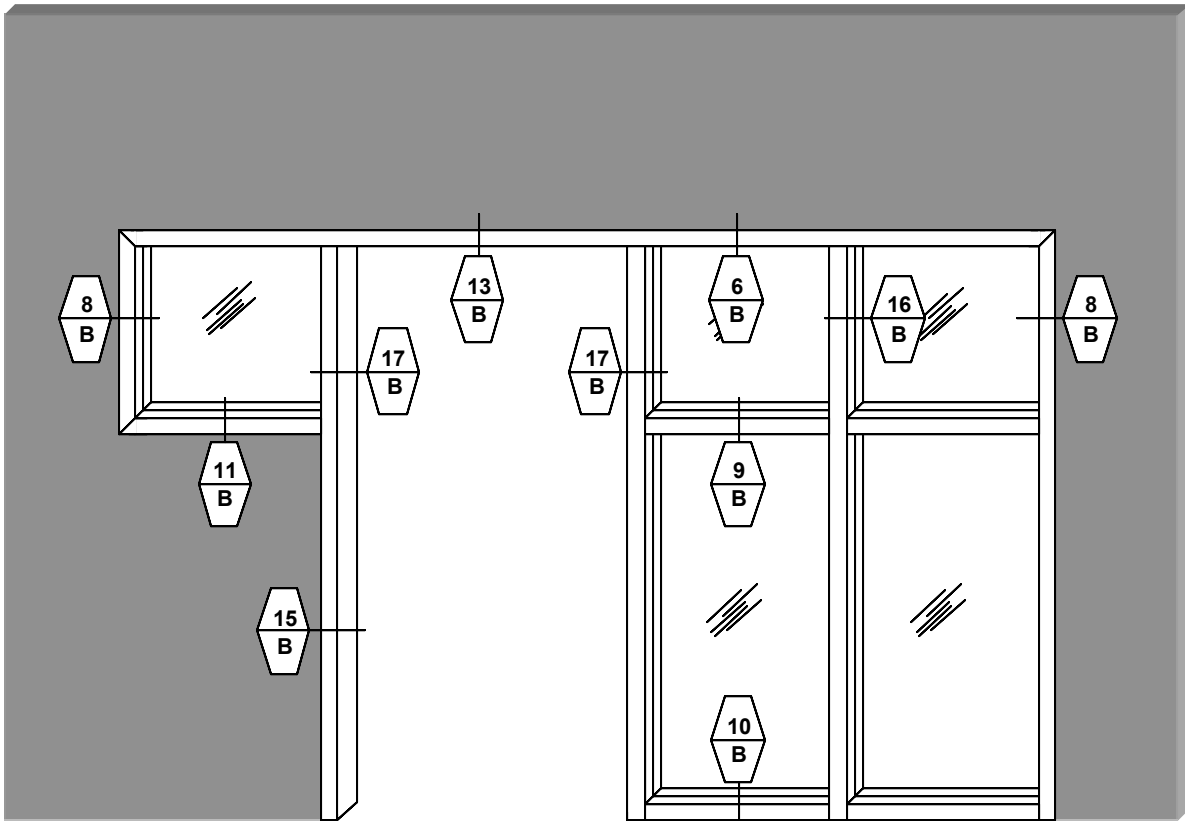
Elevations Showing 304-2 (2") Flush Trim w/ Recessed Pocket Glazing

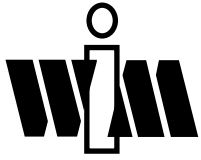




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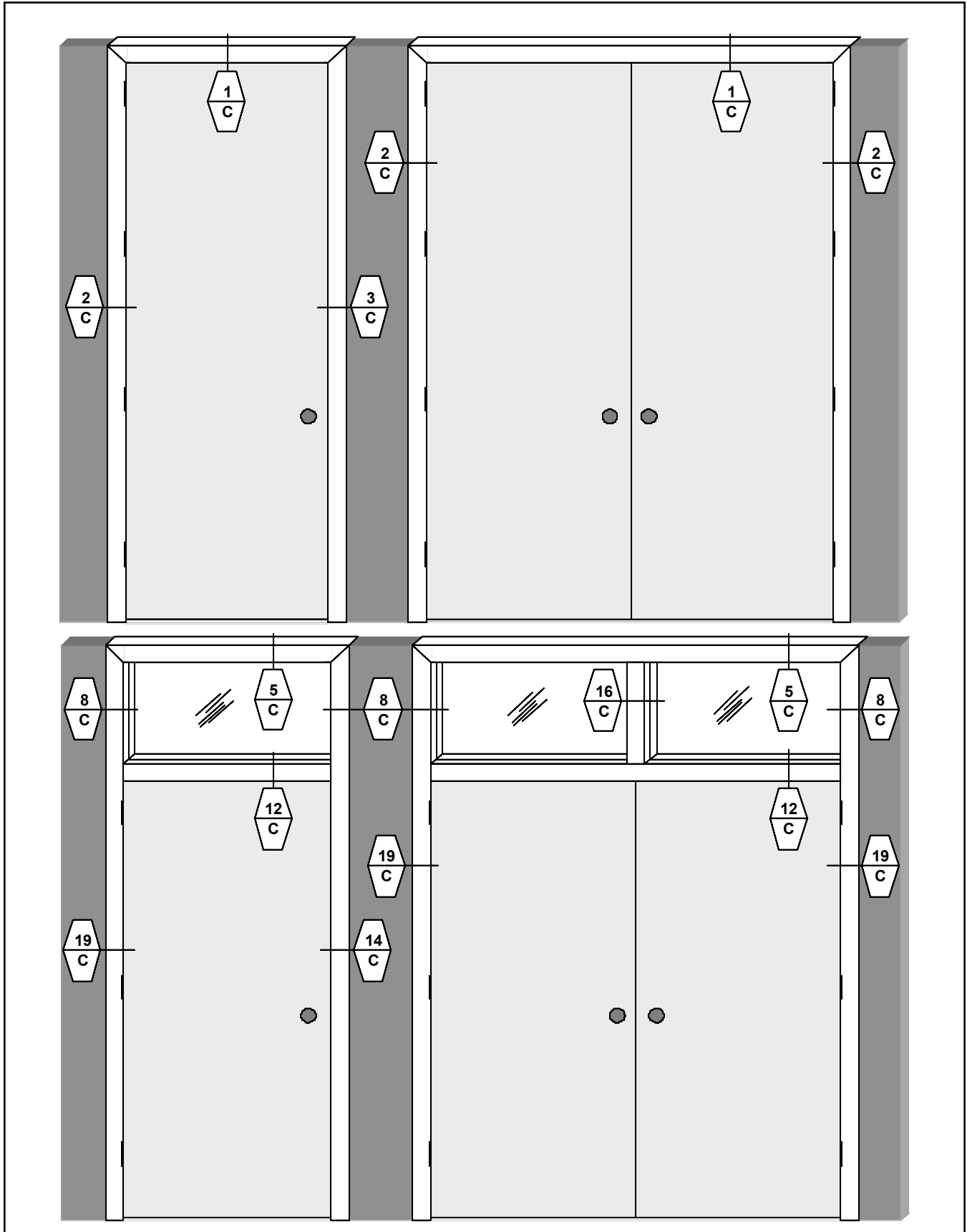
Elevations Showing 304-2 (2") Flush Trim w/ Recessed Pocket Glazing



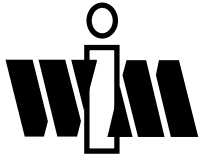


# Western Integrated Materials, Inc.

Elevations Showing 304-3 (3") Flush Trim w/ Recessed Pocket Glazing

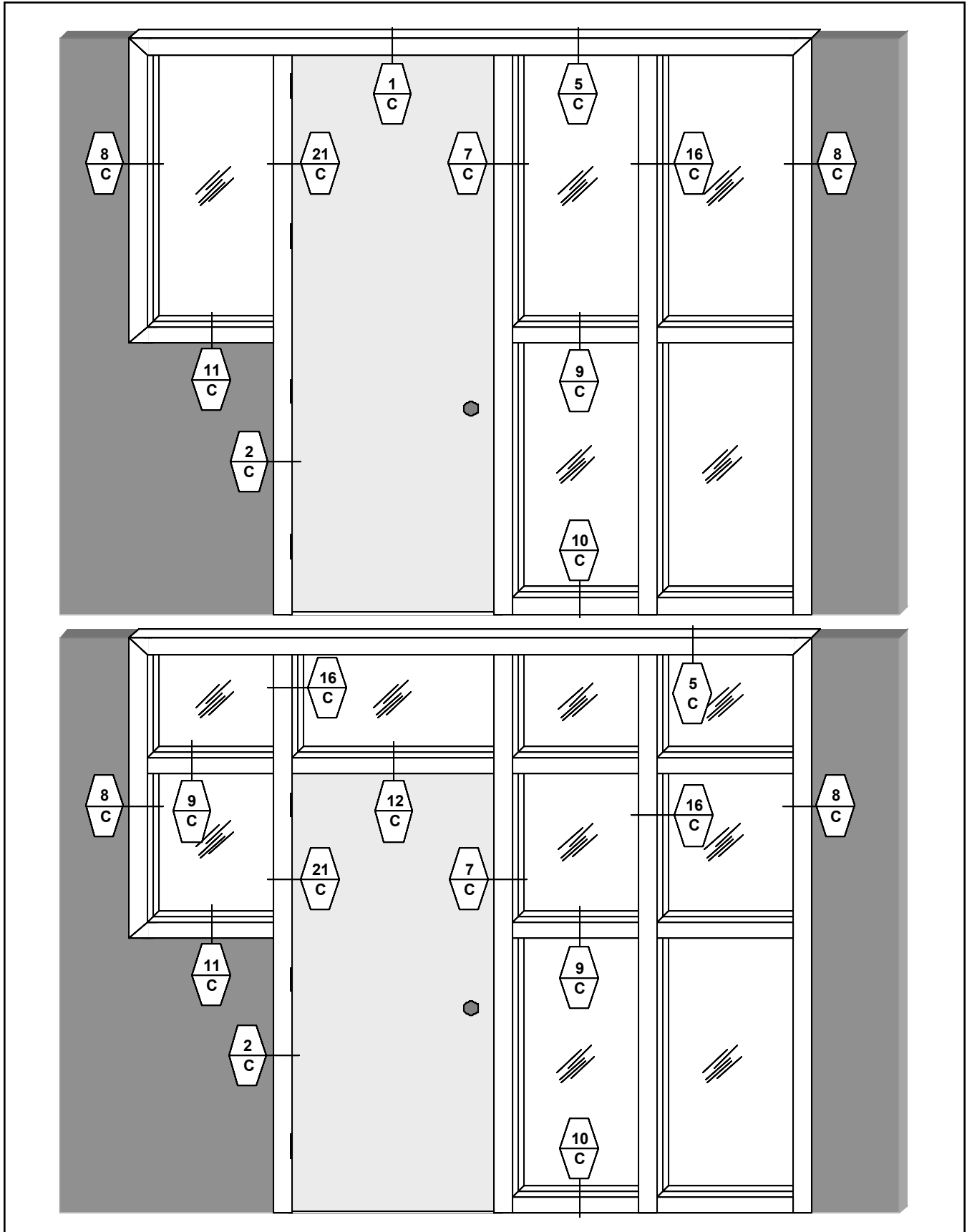


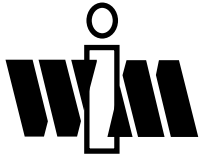




# Western Integrated Materials, Inc.

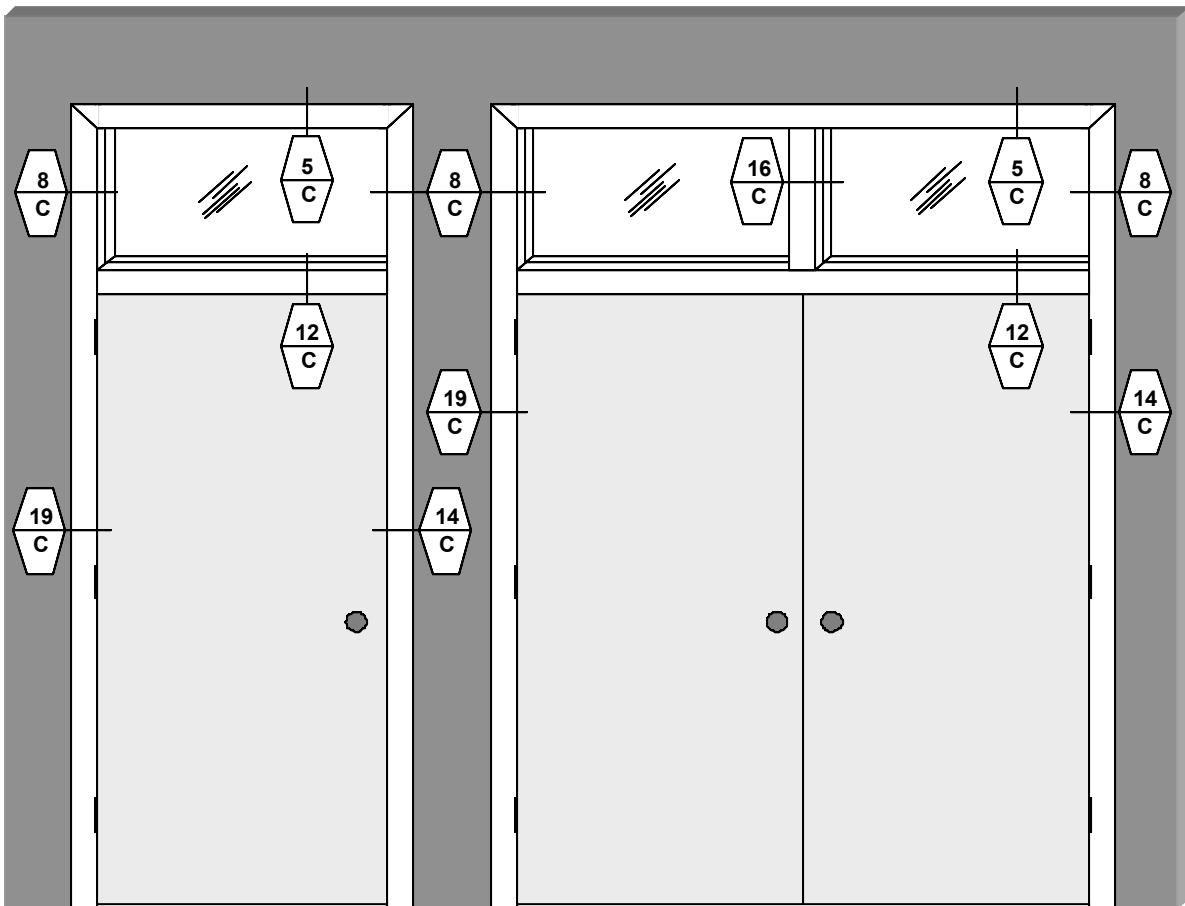
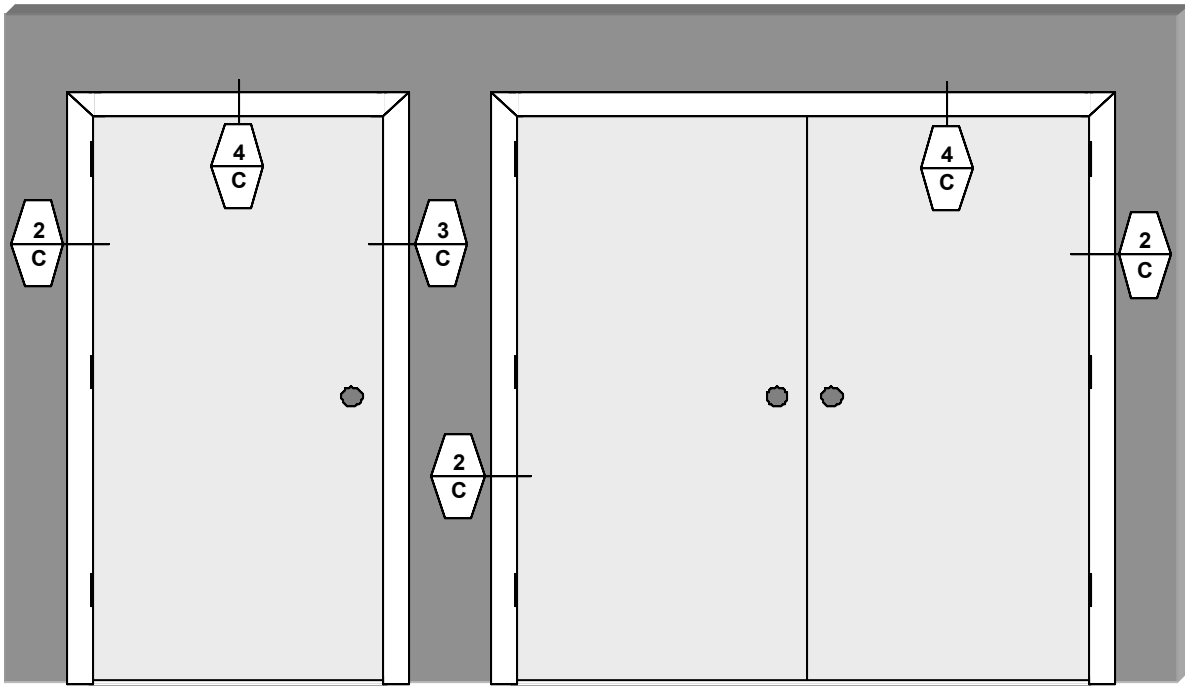
Elevations Showing 304-3 (3") Flush Trim w/ Recessed Pocket Glazing

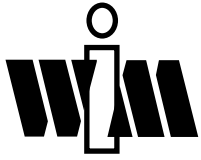




# Western Integrated Materials, Inc.

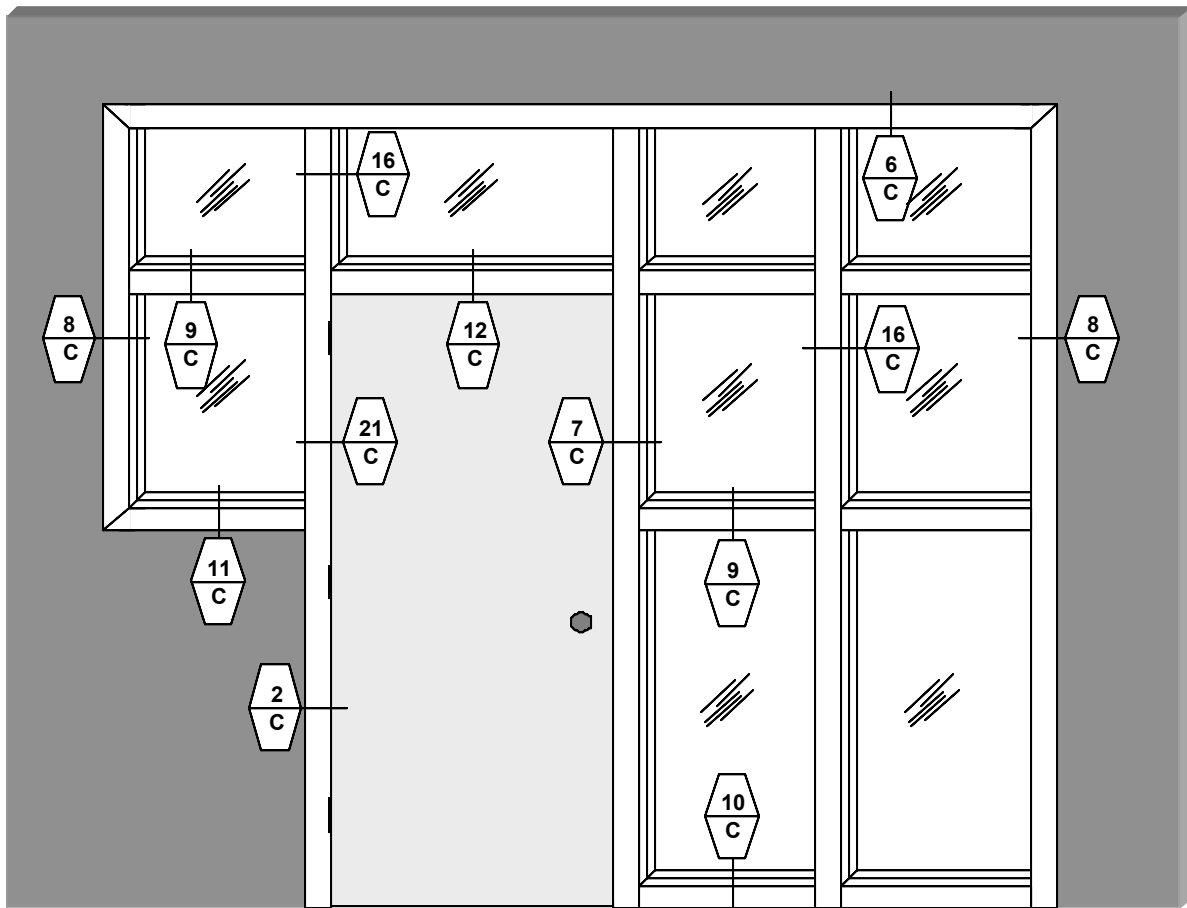
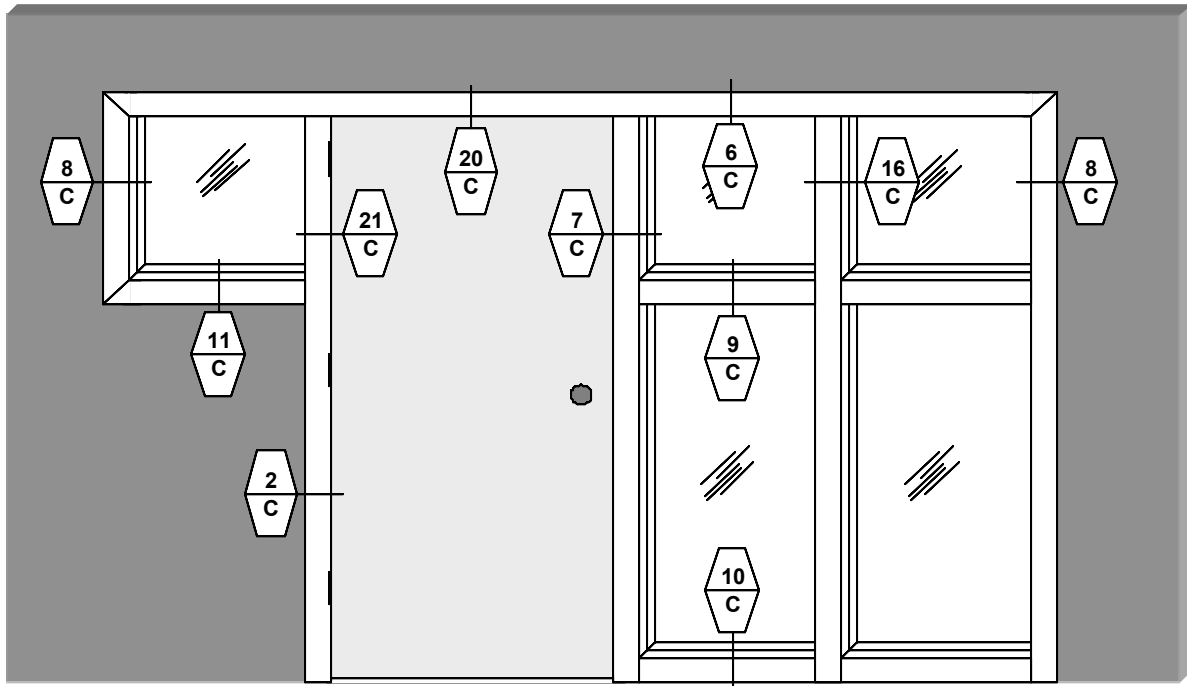
Elevations Showing 304-3 (3") Flush Trim w/ Recessed Pocket Glazing

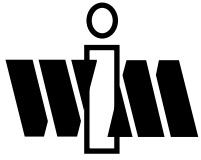




# Western Integrated Materials, Inc.

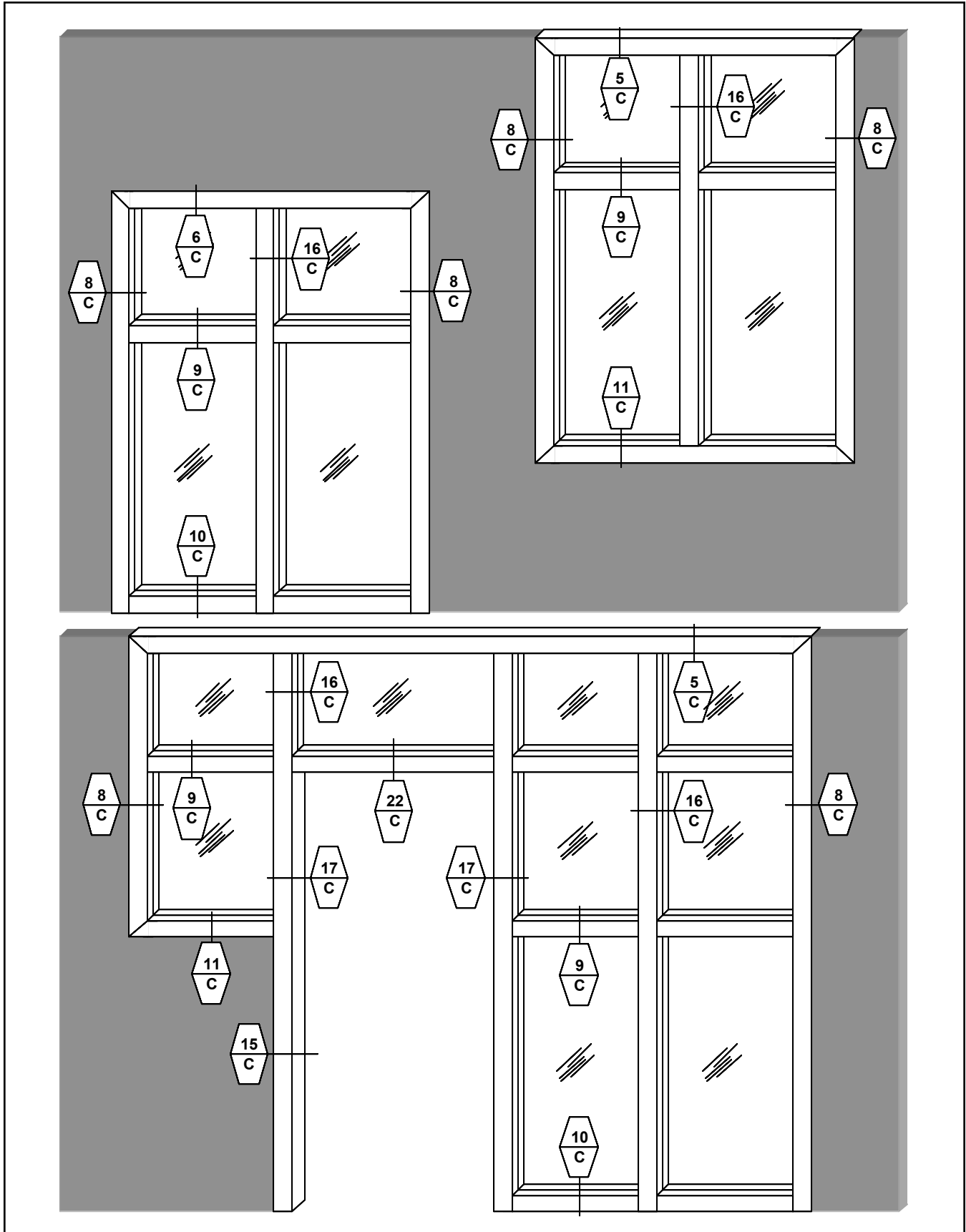
Elevations Showing 304-3 (3") Flush Trim w/ Recessed Pocket Glazing

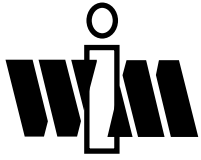




# Western Integrated Materials, Inc.

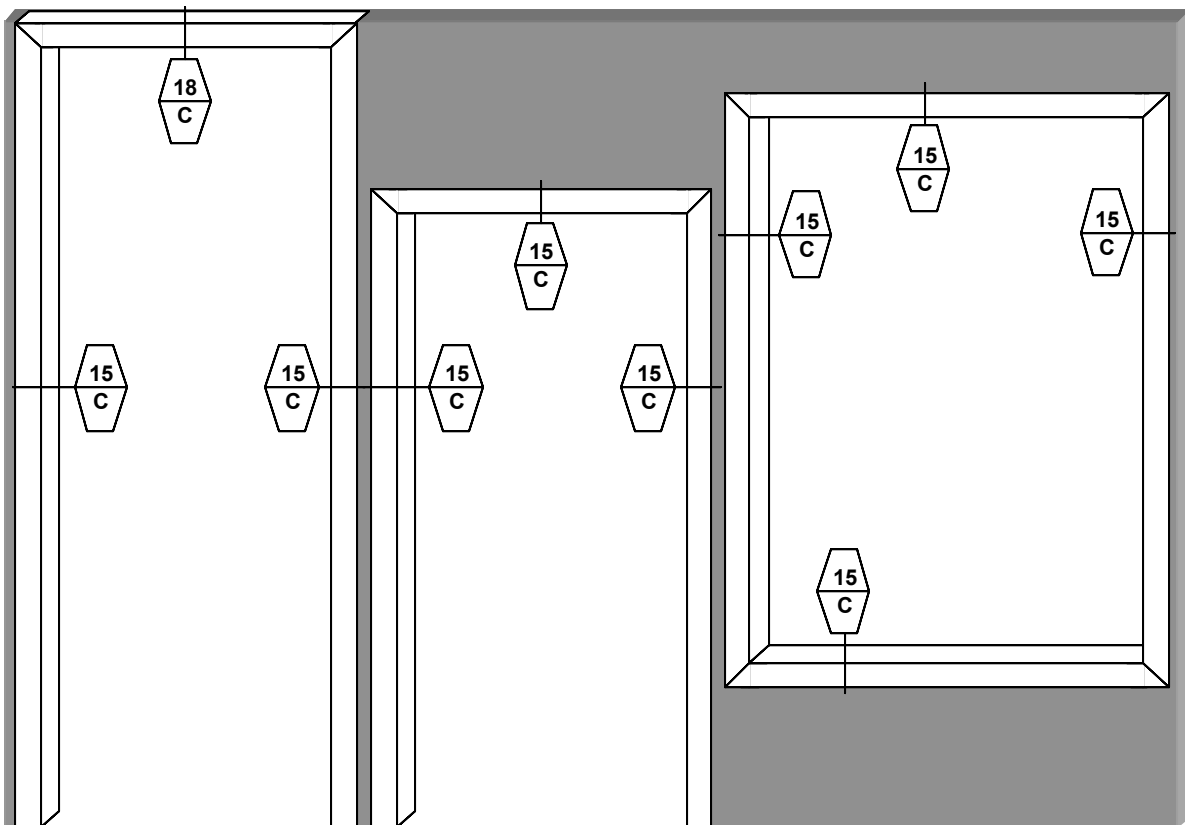
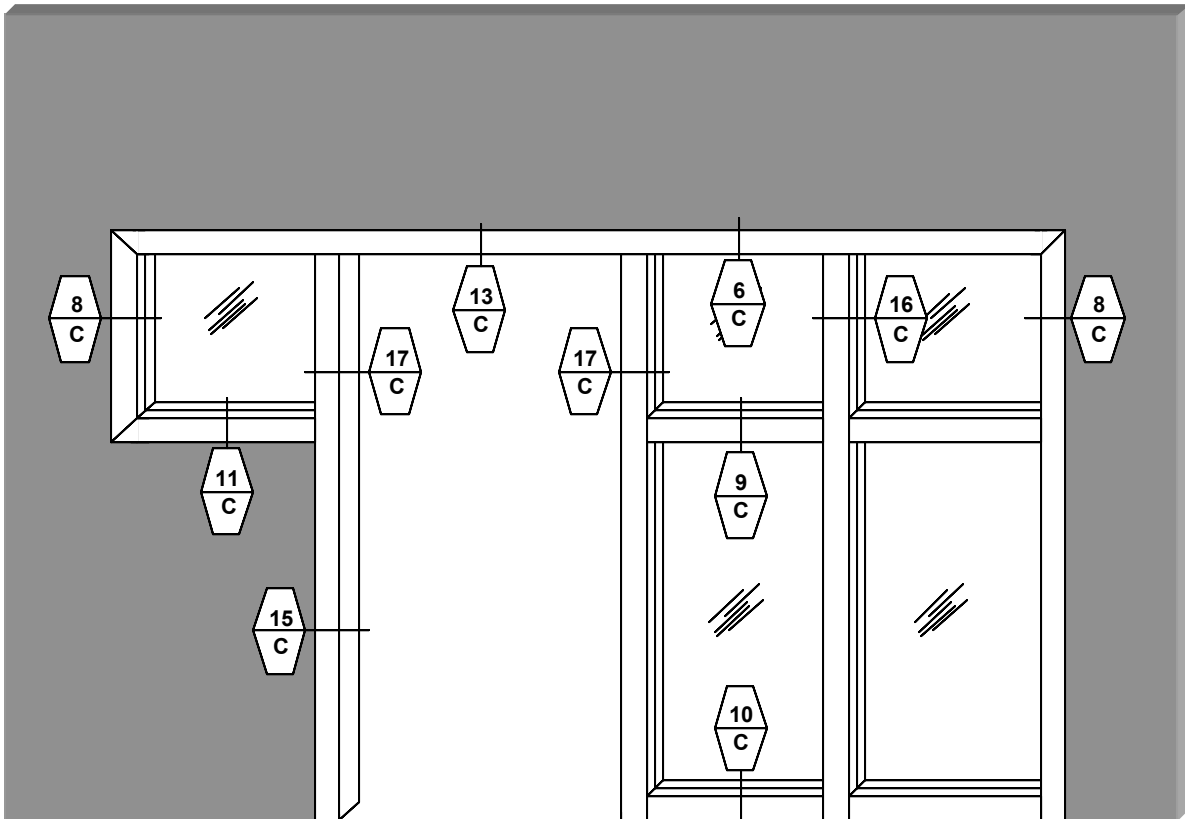
Elevations Showing 304-3 (3") Flush Trim w/ Recessed Pocket Glazing

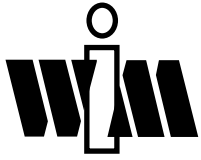




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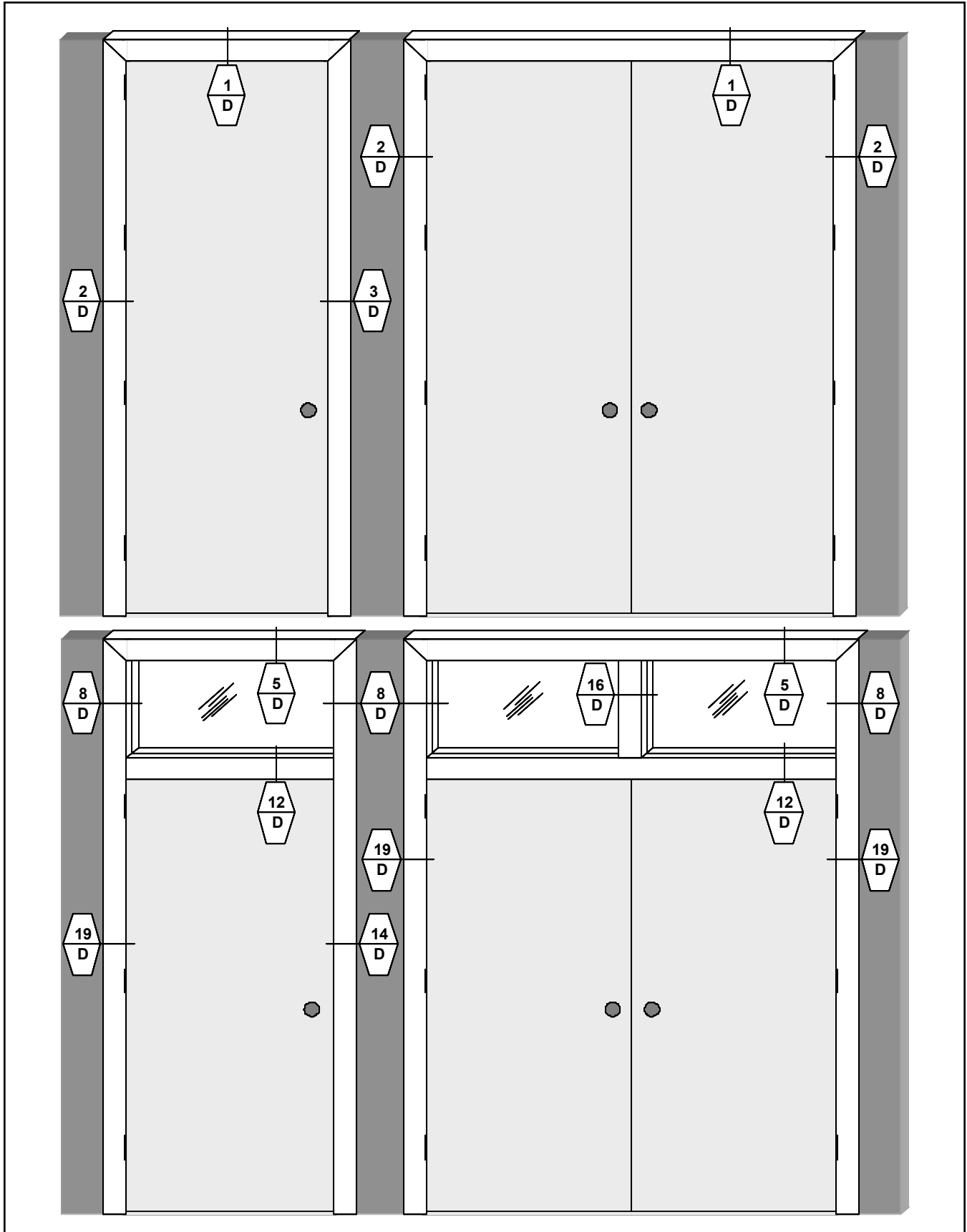
Elevations Showing 304-3 (3") Flush Trim w/ Recessed Pocket Glazing

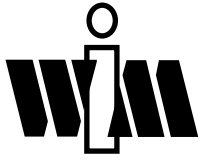




# Western Integrated Materials, Inc.

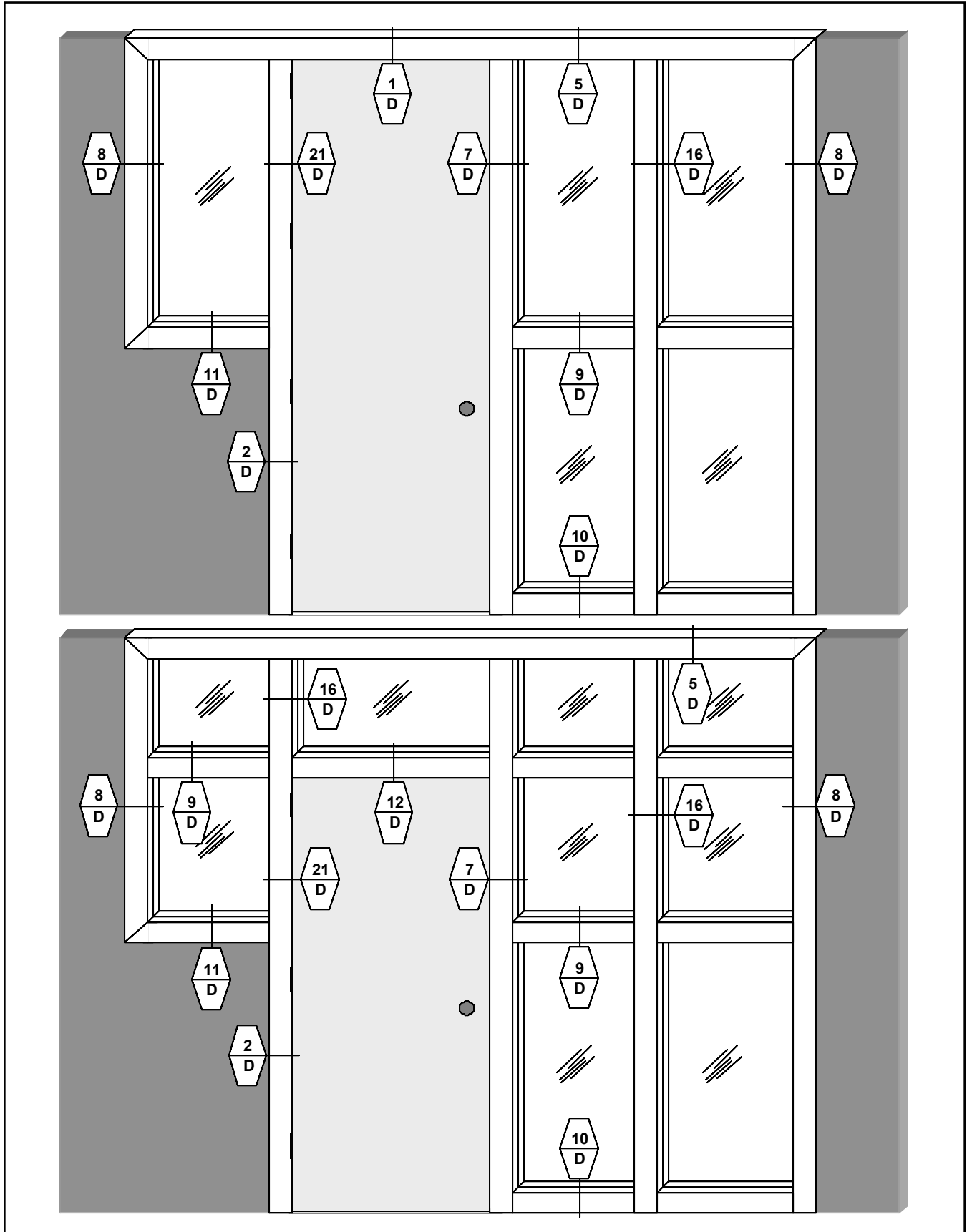
Elevations Showing 304-4 (4") Flush Trim w/ Recessed Pocket Glazing

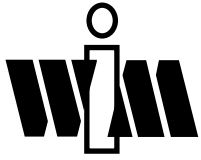




# Western Integrated Materials, Inc.

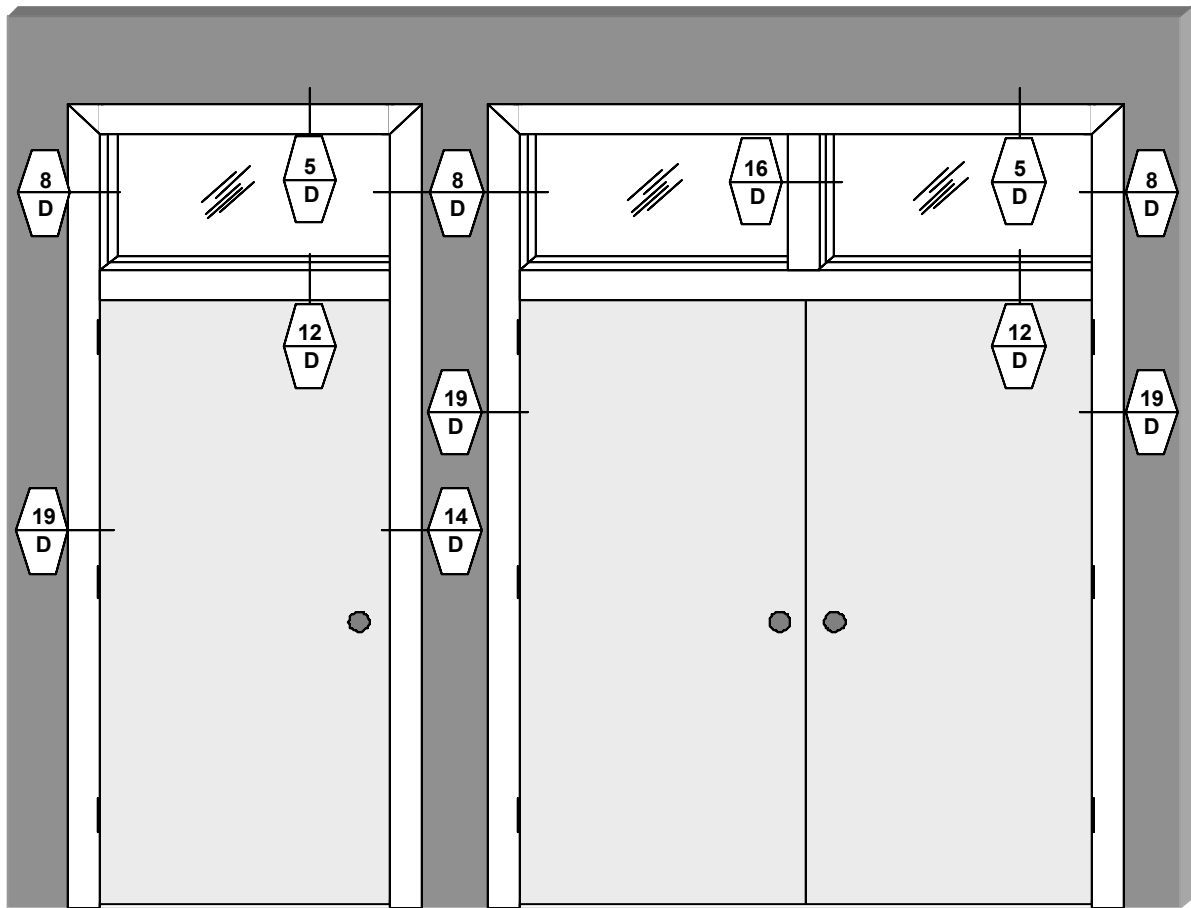
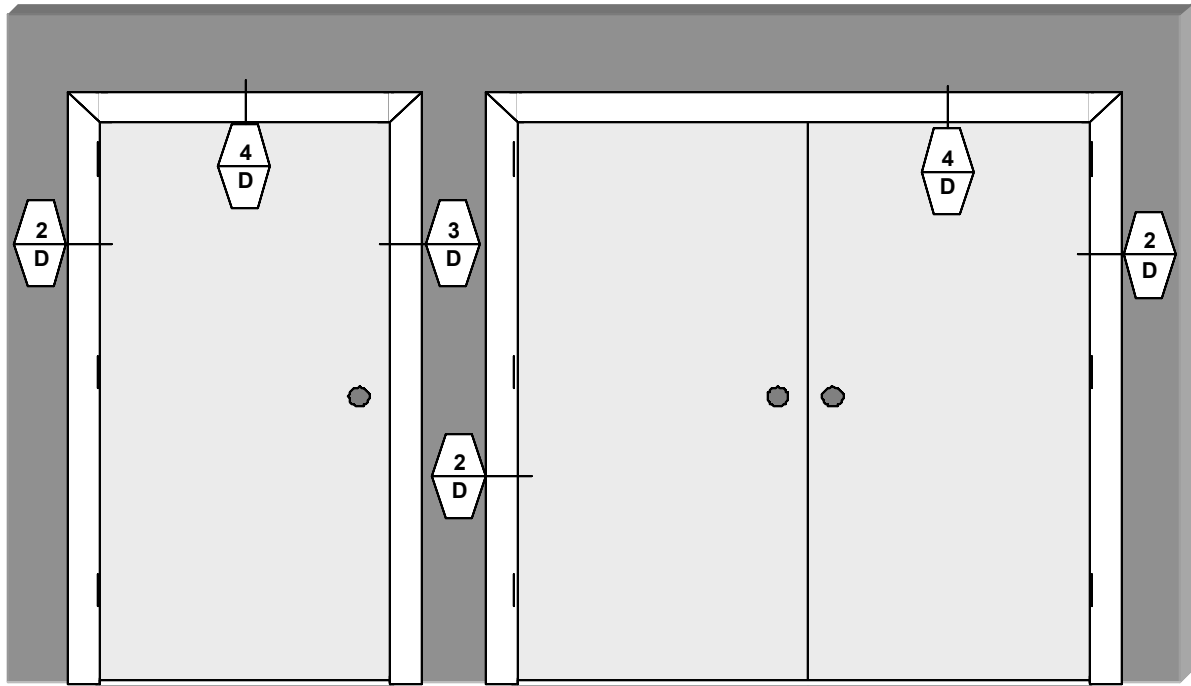
Elevations Showing 304-4 (4") Flush Trim w/ Recessed Pocket Glazing



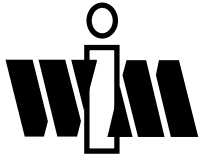


# Western Integrated Materials, Inc.

Elevations Showing 304-4 (4") Flush Trim w/ Recessed Pocket Glazing

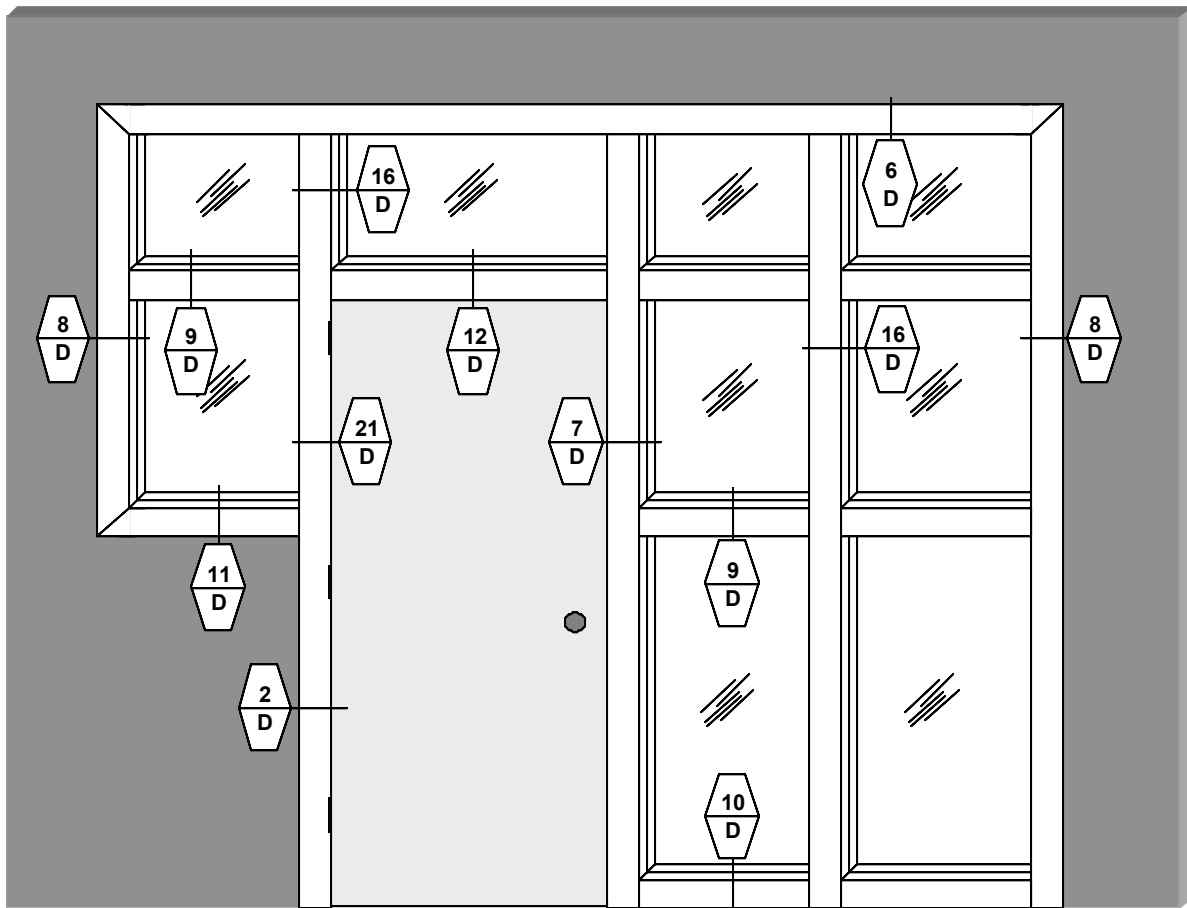
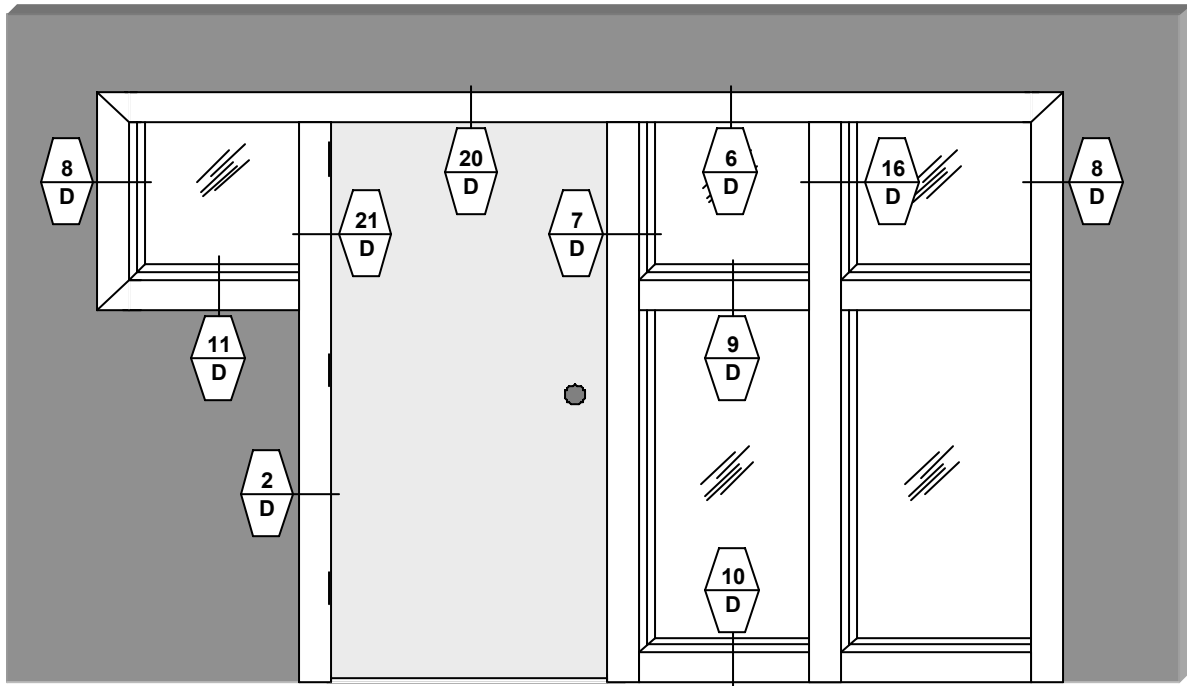


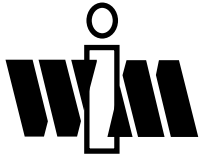




# Western Integrated Materials, Inc.

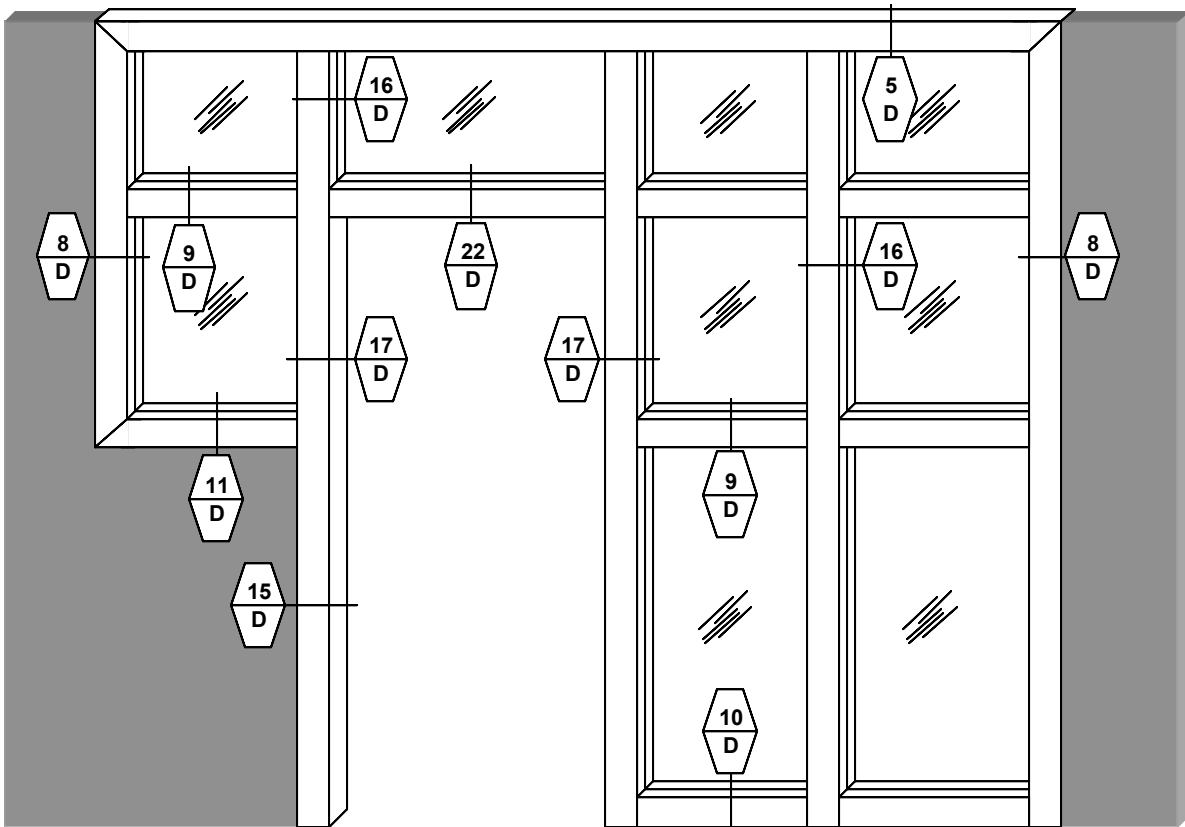
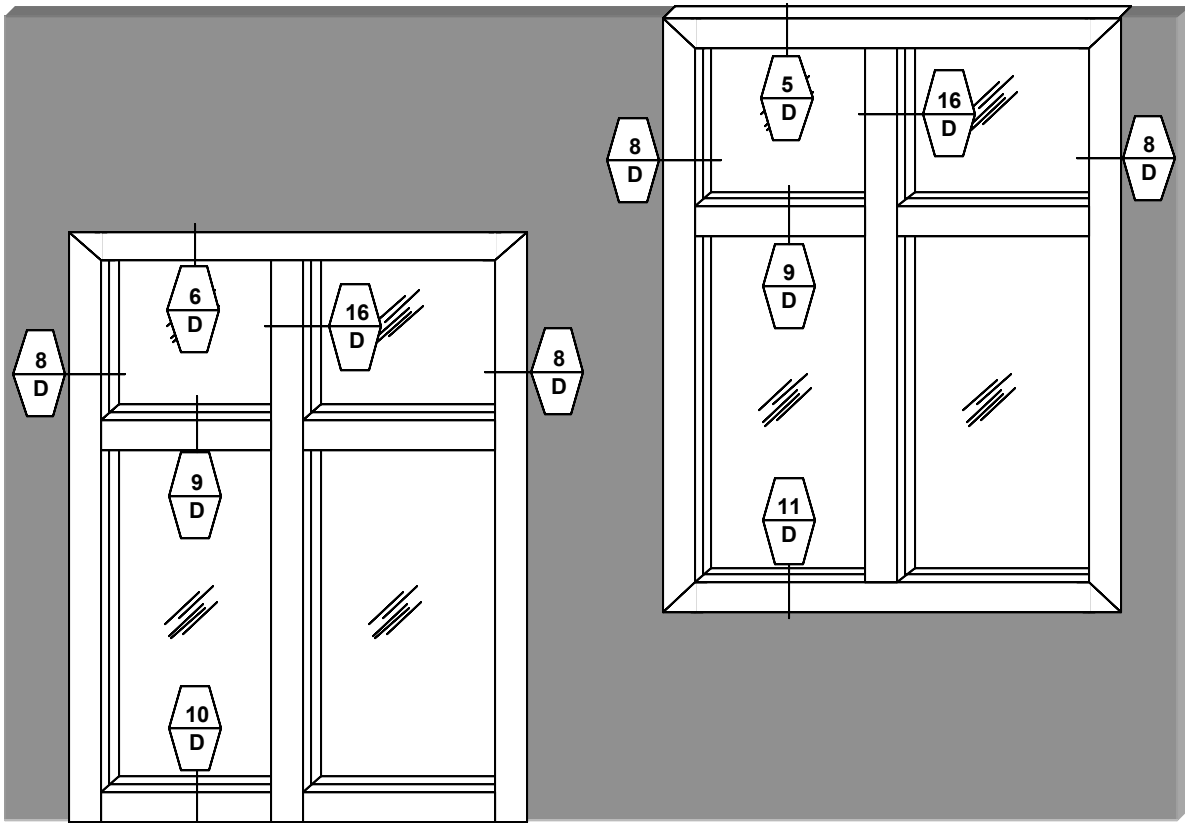
Elevations Showing 304-4 (4") Flush Trim w/ Recessed Pocket Glazing



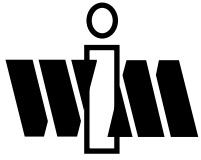


# Western Integrated Materials, Inc.

Elevations Showing 304-4 (4") Flush Trim w/ Recessed Pocket Glazing

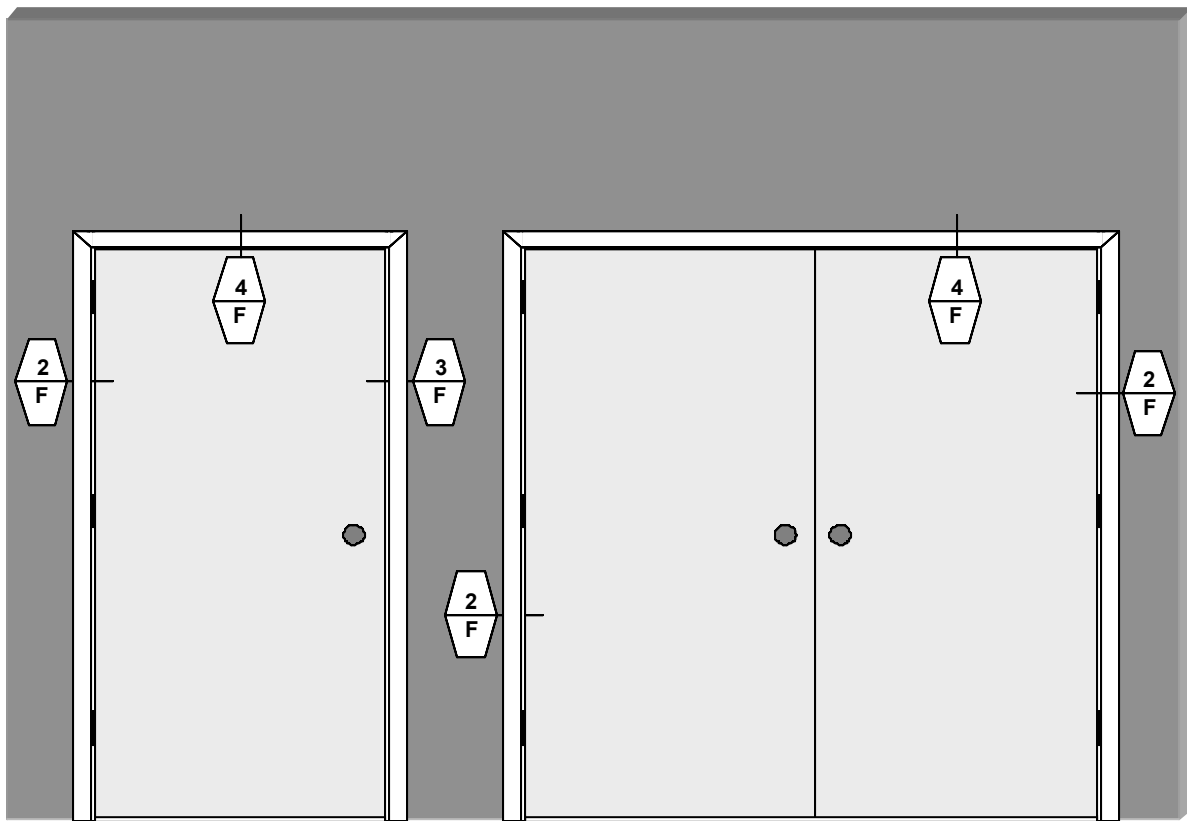
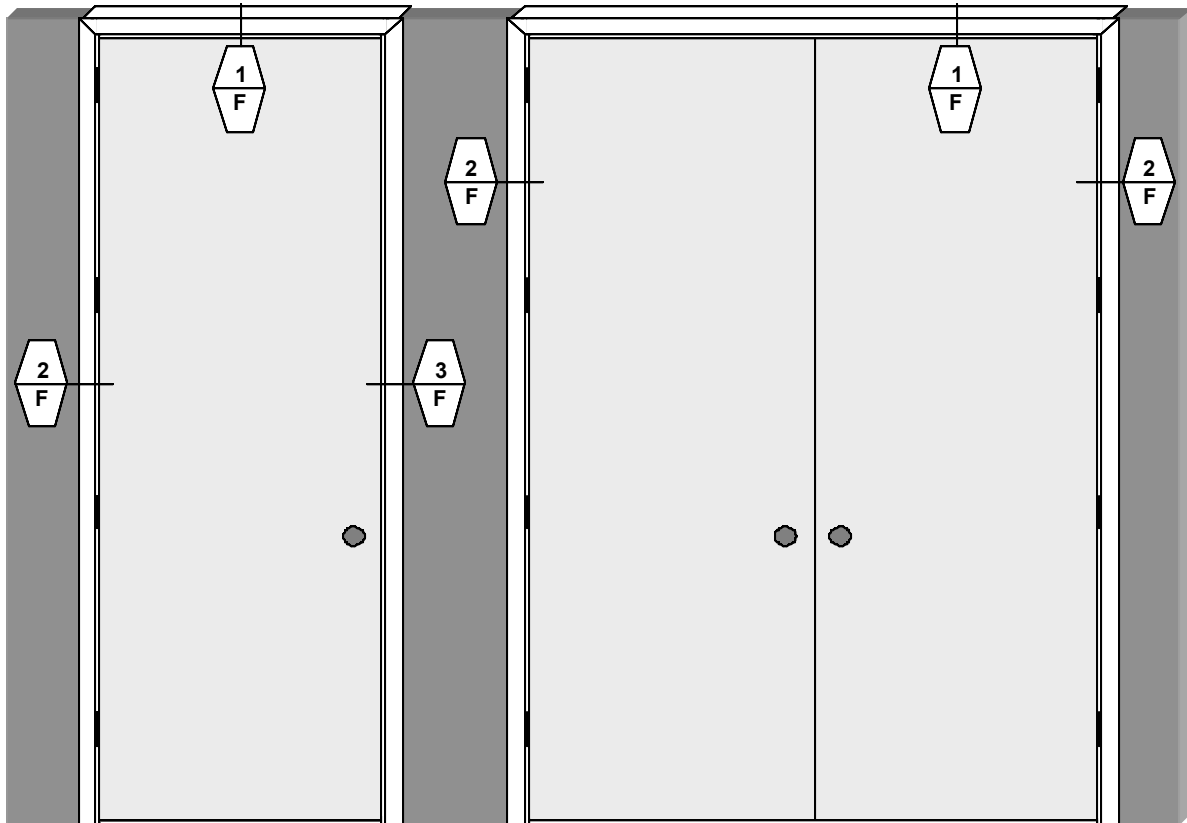


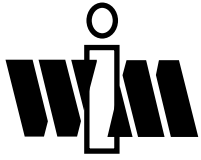




# Western Integrated Materials, Inc.

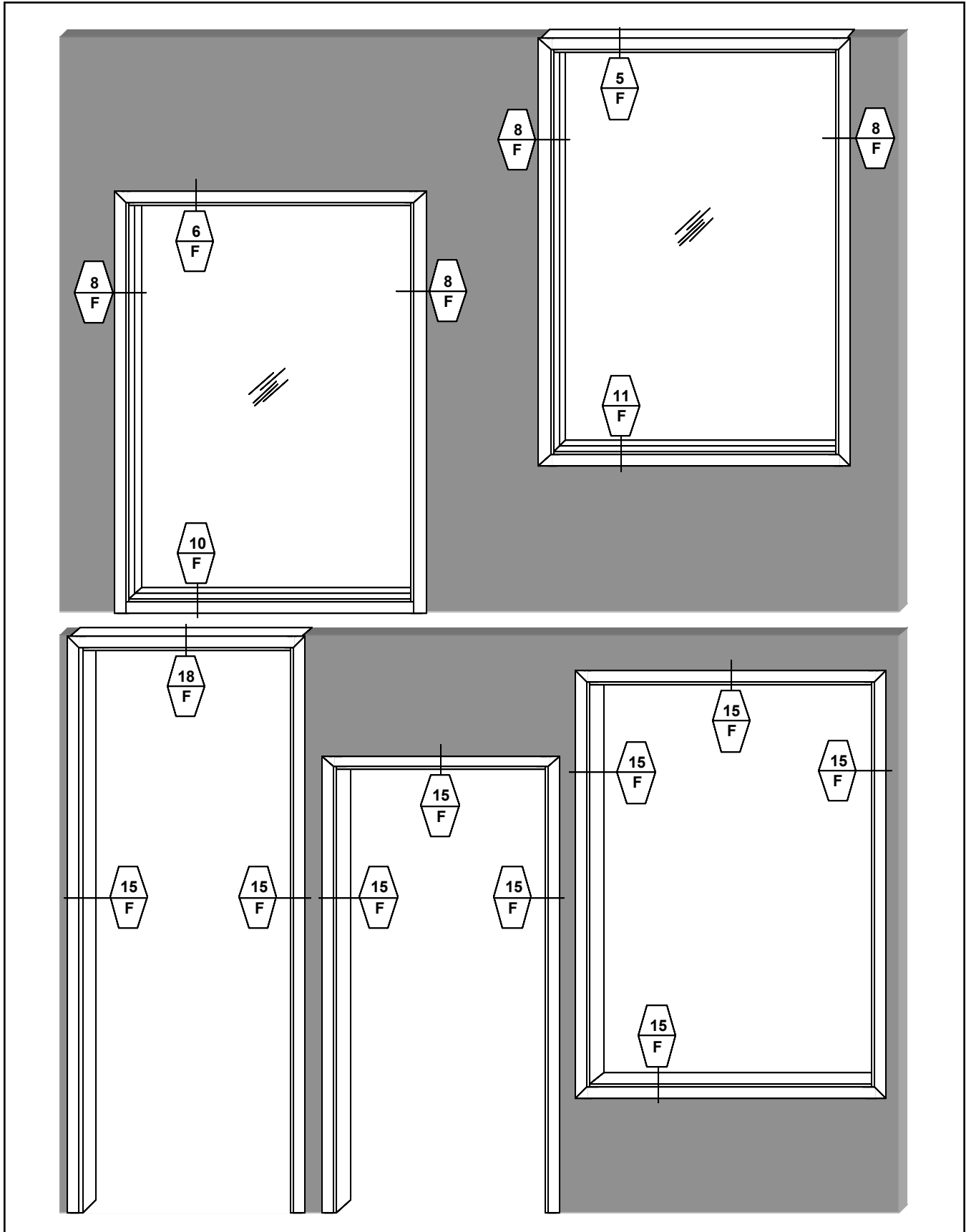
Elevations Showing 305 (1-1/2") Trim w/ Recessed Pocket Glazing

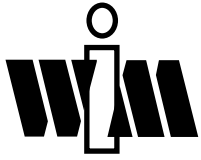




# Western Integrated Materials, Inc.

Elevations Showing 305 (1-1/2") Trim w/ Recessed Pocket Glazing





The following details represent our most common series:

315 -- 3-3/4" (shown in details) and 318 -- 4-7/8"

(315 and 318 are available with screw spline technology)

with our most common trims:

302 (3/8" x 1") Trim and 304-1 (5/16" x 1-1/2") Full Face Trim

The details shown are for Series 315 -- 3-3/4" but are typical of the 318 -- 4-7/8" as well.

Details are not to scale.

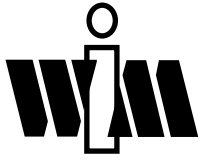
The following series are also available with recessed pocket glazing. There are slight differences in the extrusions used. The application and look is the same. Details for the these series are available upon request.

313 Series -- 3-3/8"	314 Series -- 3-1/2"	316 Series -- 3-7/8"
329 Series -- 4-5/8"	319 Series -- 5"	320 Series -- 5-1/4"
321 Series -- 5-1/2"		

The following series are available for door framing only. Glazing material requires the Applied Stop System (see section F for more information). Details for the these series are also available upon request.

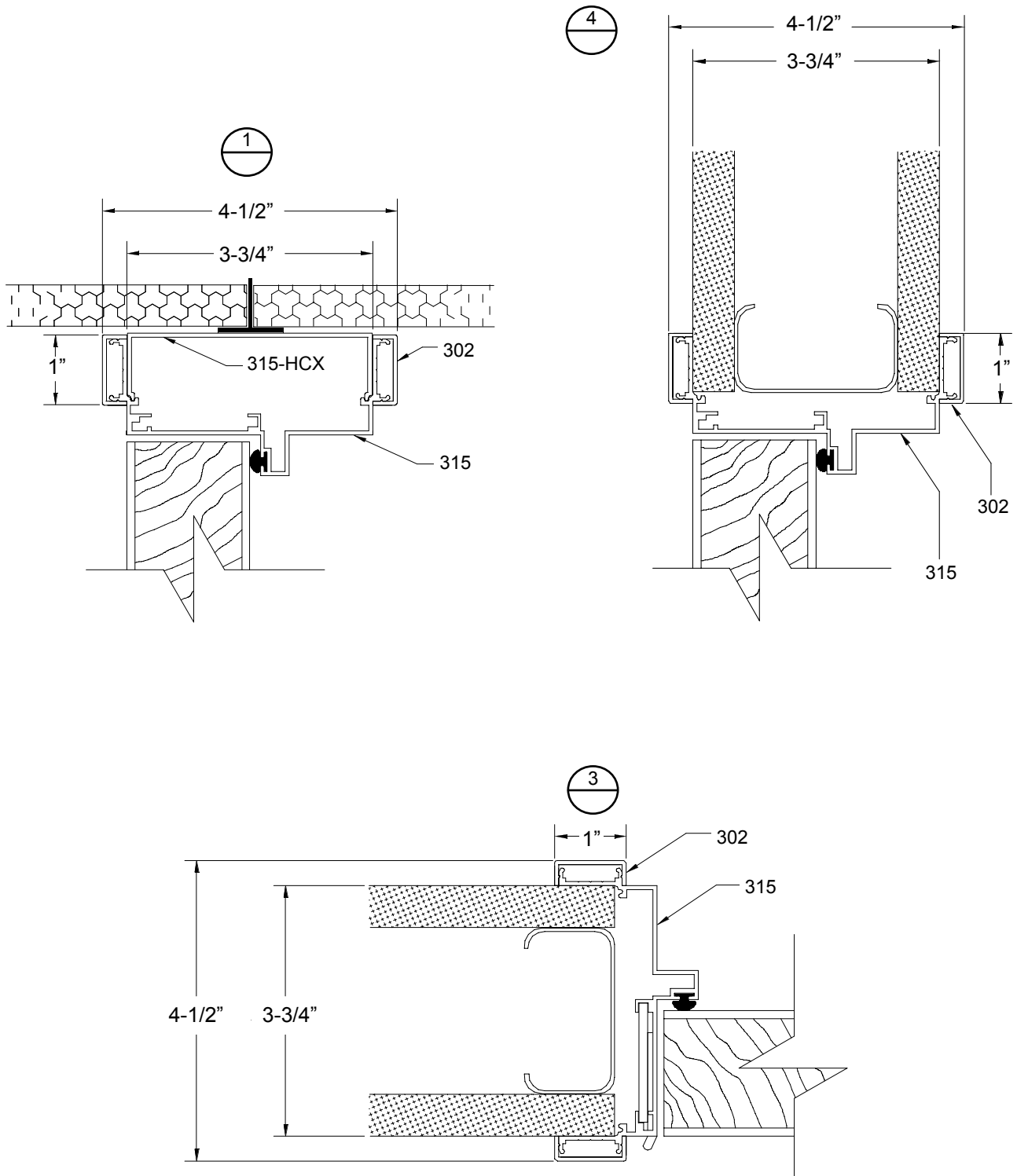
310 Series -- 2-1/4"	311 Series -- 3"	312 Series -- 3-1/4"
330 Series -- 4-3/4"	325 Series -- 6"	327 Series -- 7-1/4"
400 Series -- 3" to 9-1/2"		

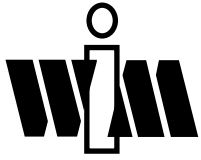
Details for all of the above with different trim sizes are available upon request.



# Western Integrated Materials, Inc.

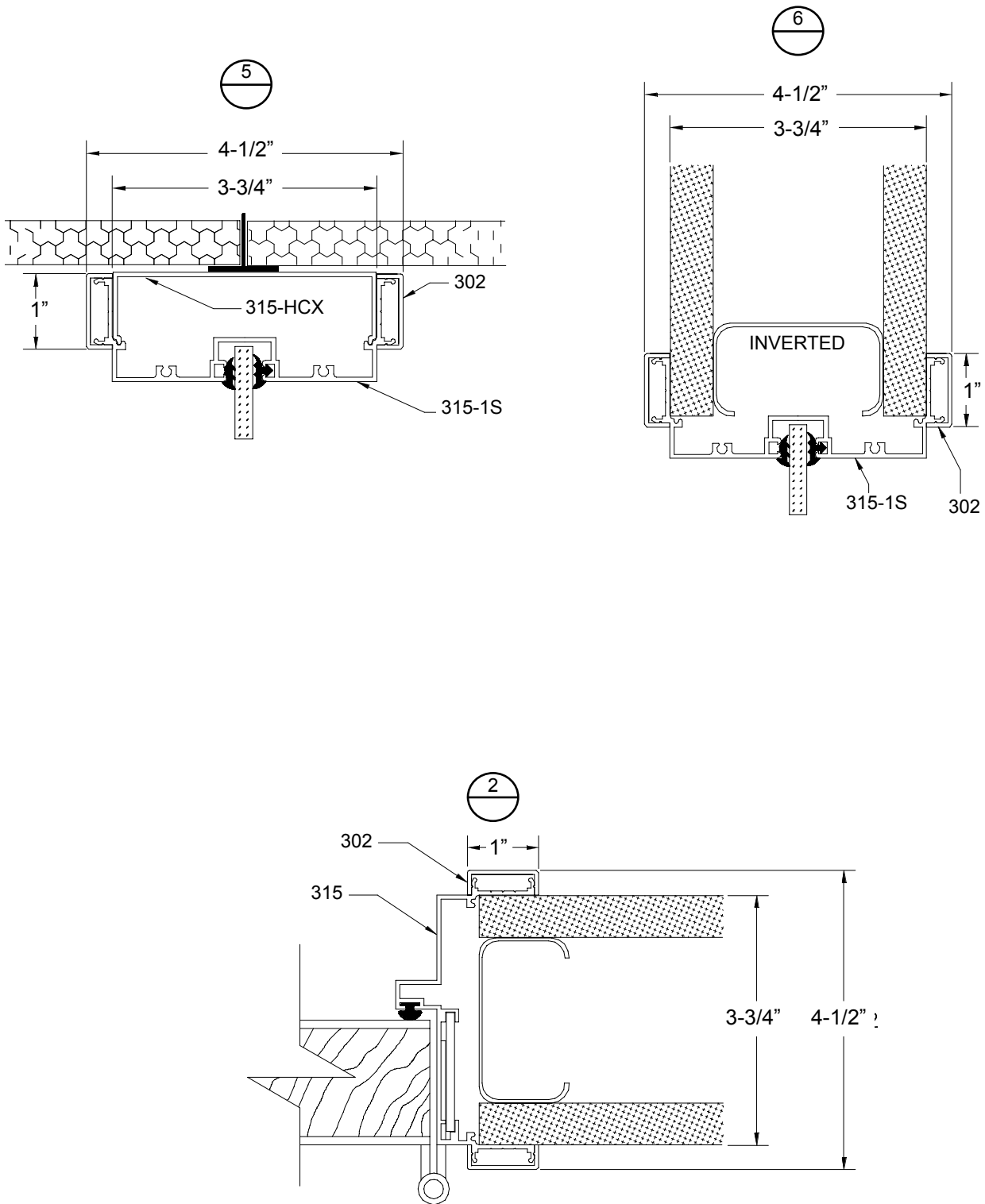
## 300 System w/ Recessed Pocket Glazing w/ 302 (1") Trim



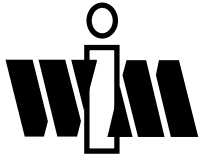


# Western Integrated Materials, Inc.

## 300 System w/ Recessed Pocket Glazing w/ 302 (1") Trim

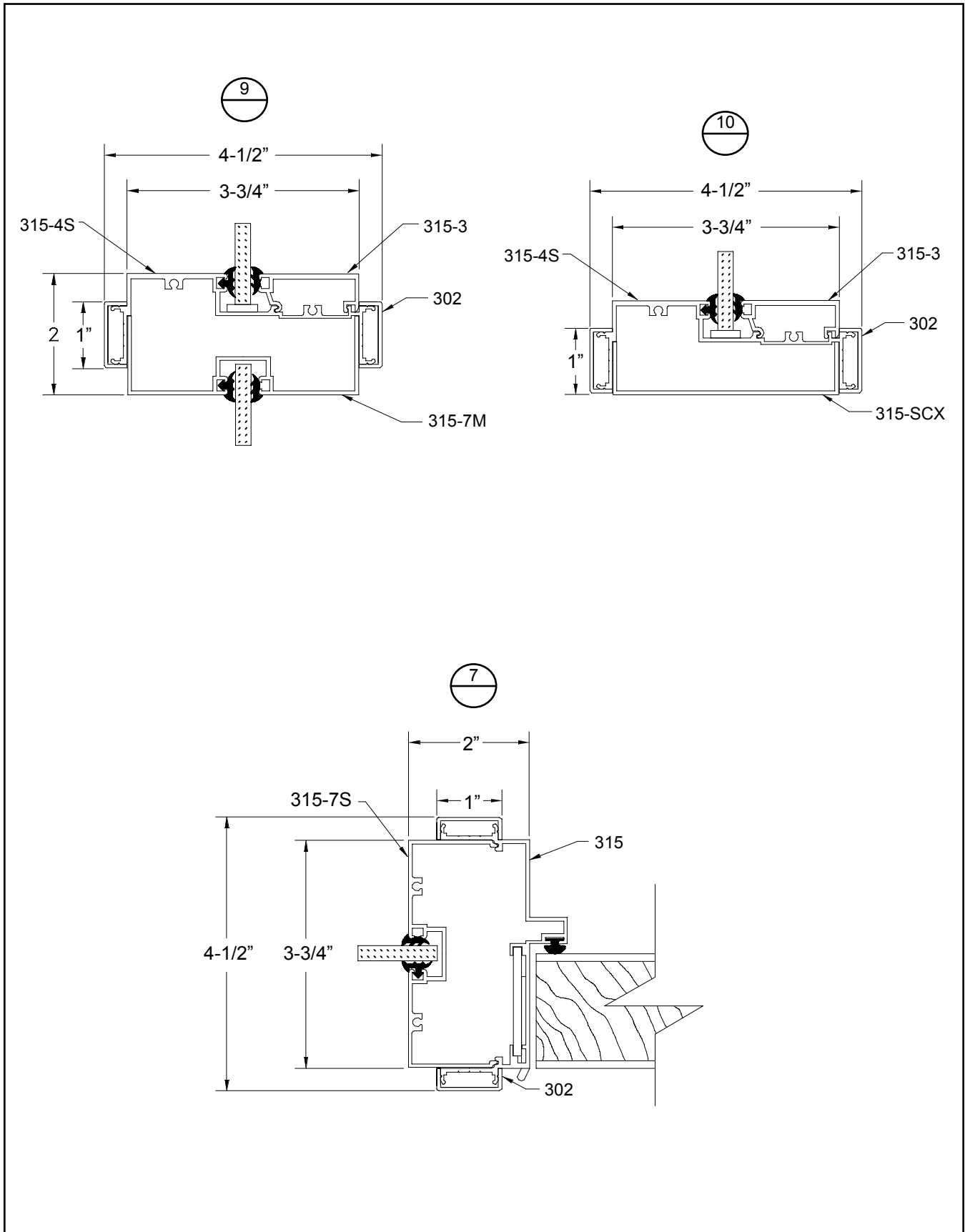


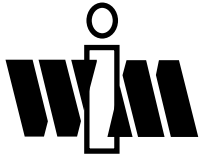




# Western Integrated Materials, Inc.

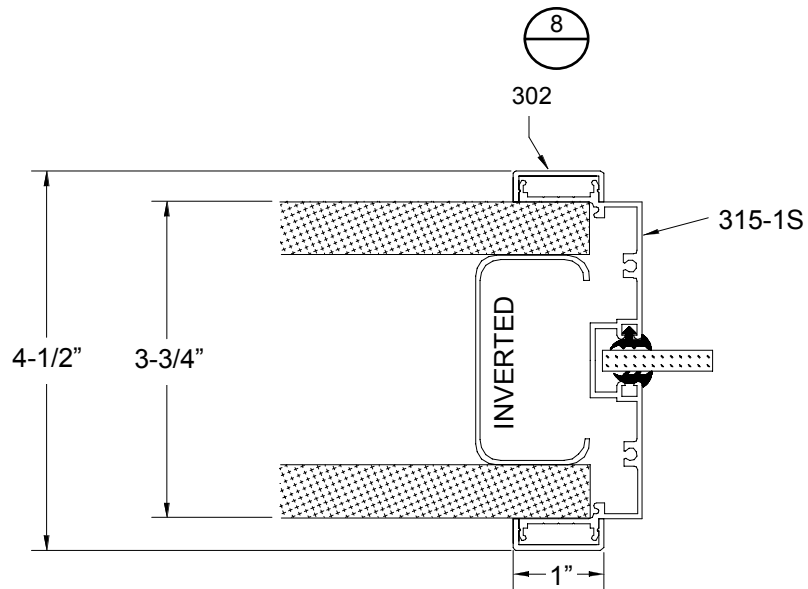
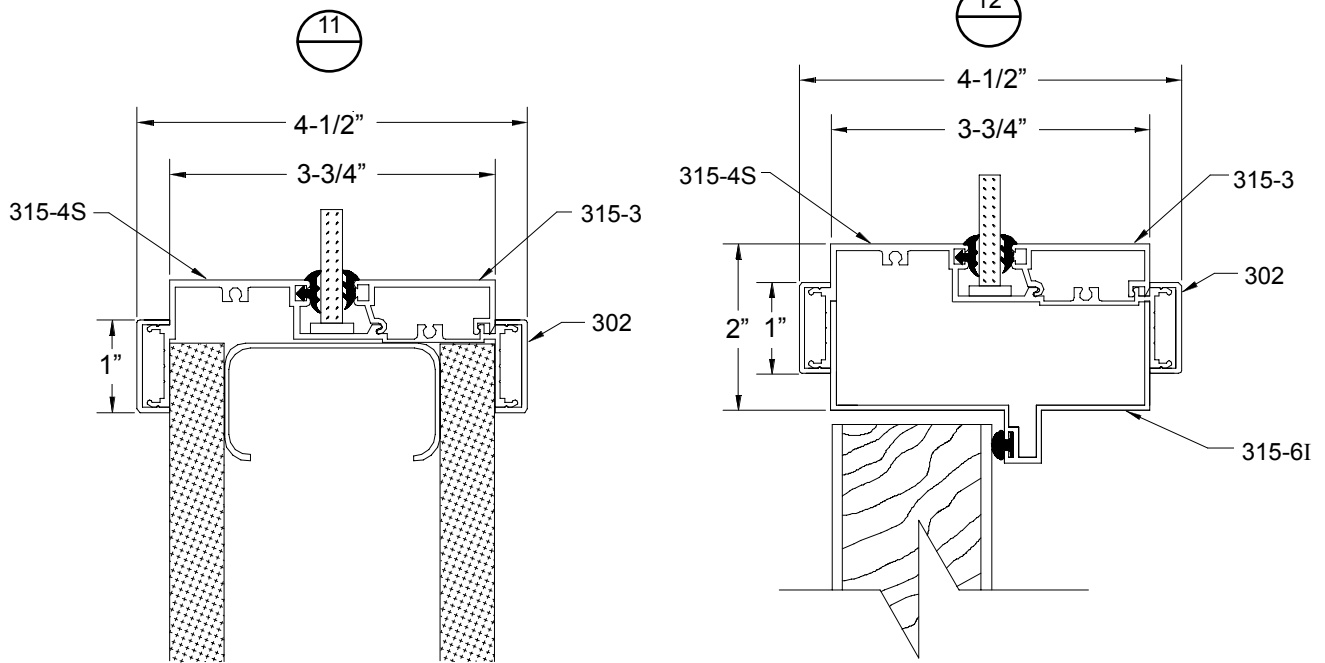
## 300 System w/ Recessed Pocket Glazing w/ 302 (1") Trim

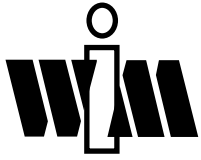




# Western Integrated Materials, Inc.

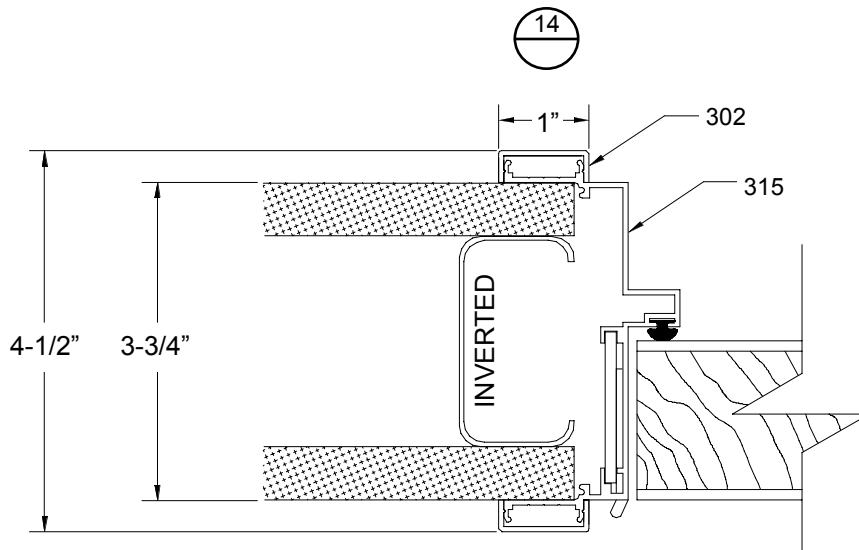
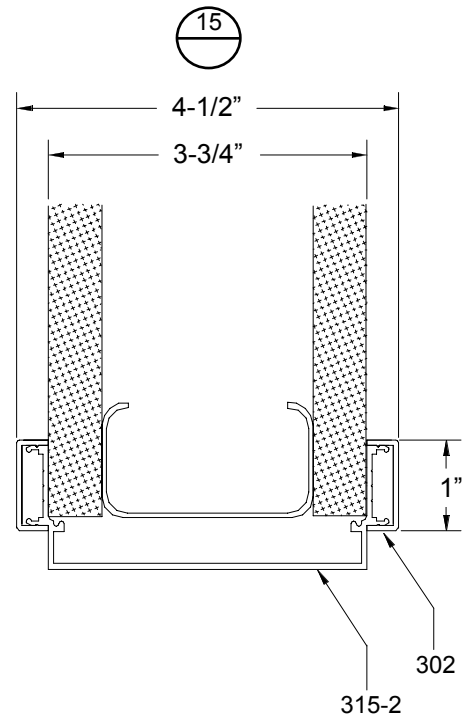
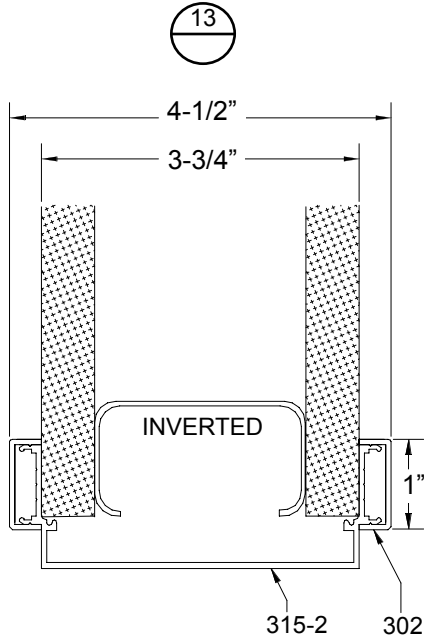
## 300 System w/ Recessed Pocket Glazing w/ 302 (1") Trim

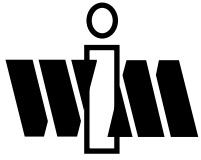




# Western Integrated Materials, Inc.

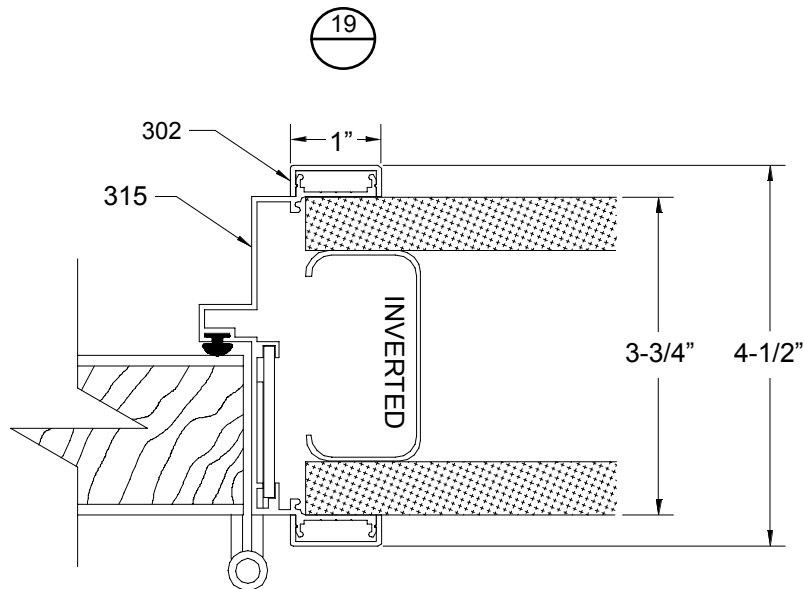
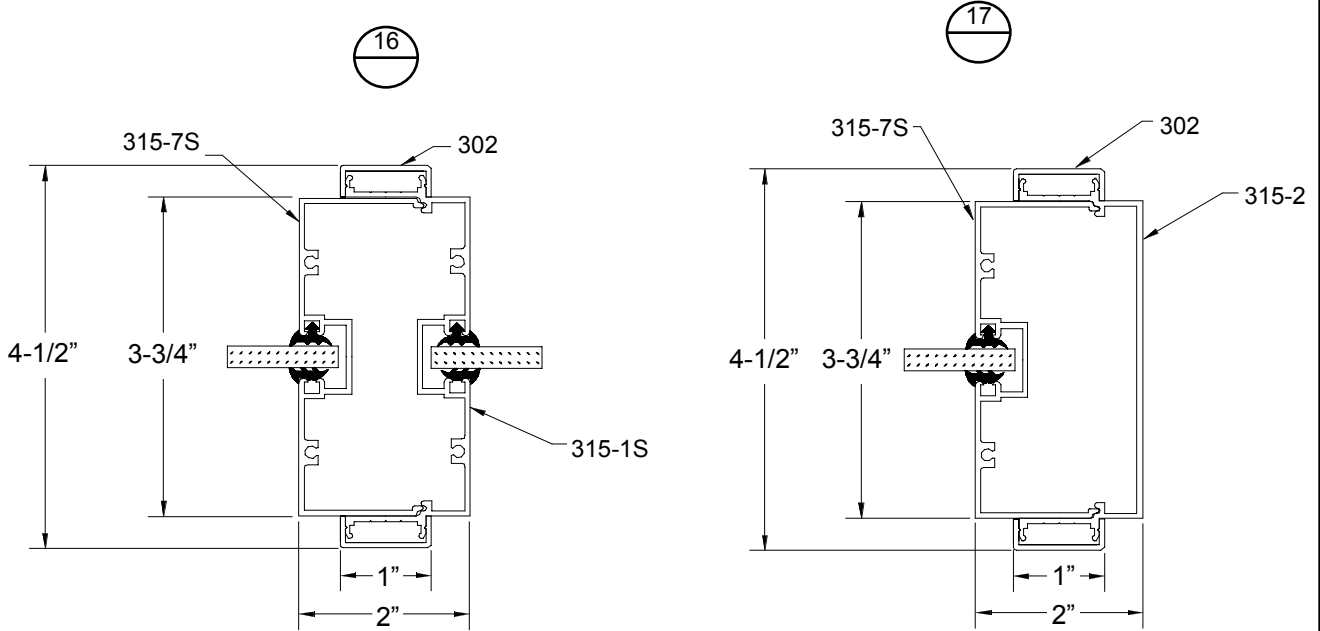
## 300 System w/ Recessed Pocket Glazing w/ 302 (1") Trim

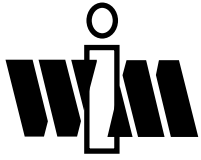




# Western Integrated Materials, Inc.

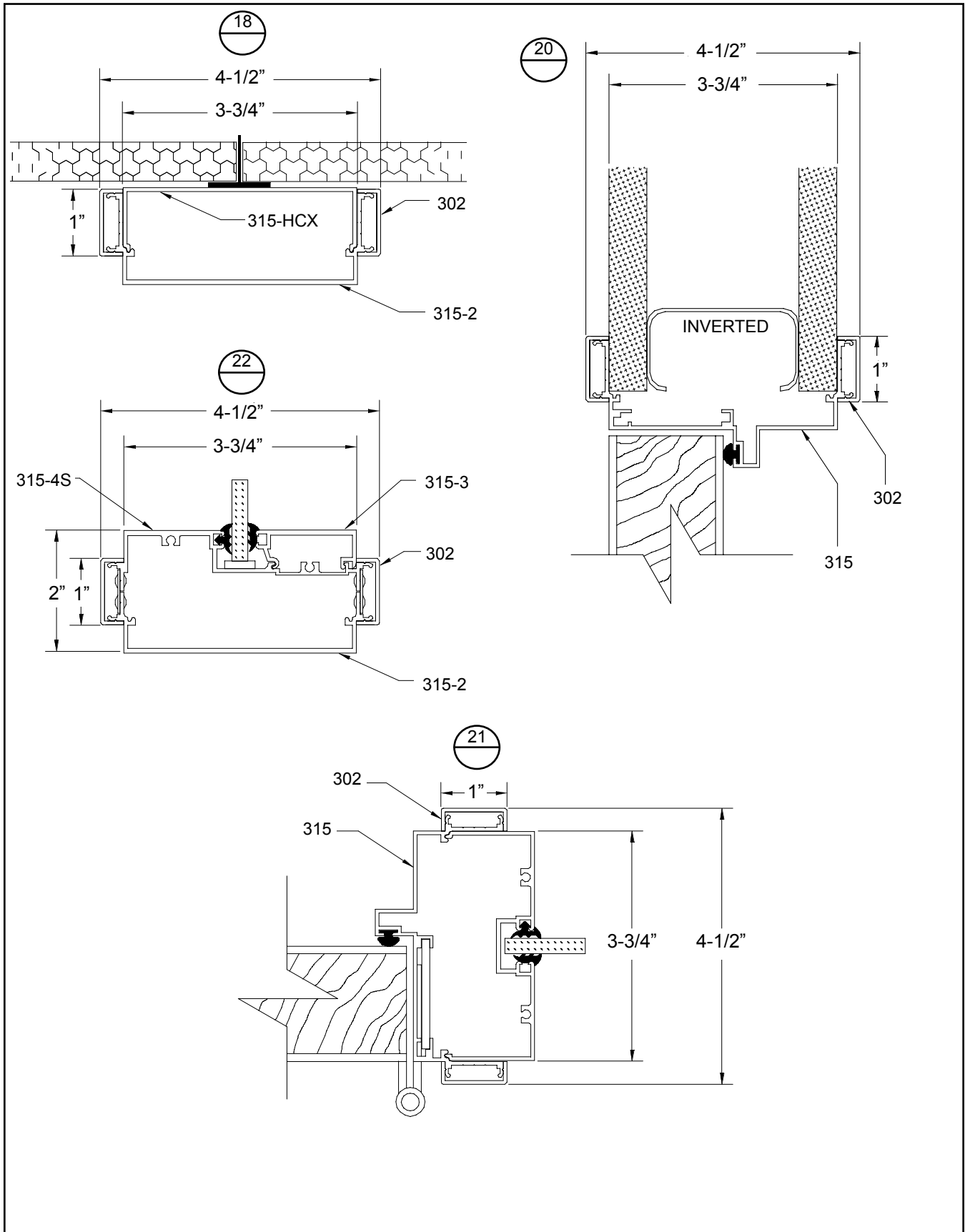
## 300 System w/ Recessed Pocket Glazing w/ 302 (1") Trim

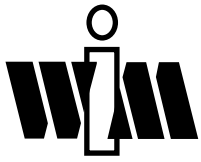




# Western Integrated Materials, Inc.

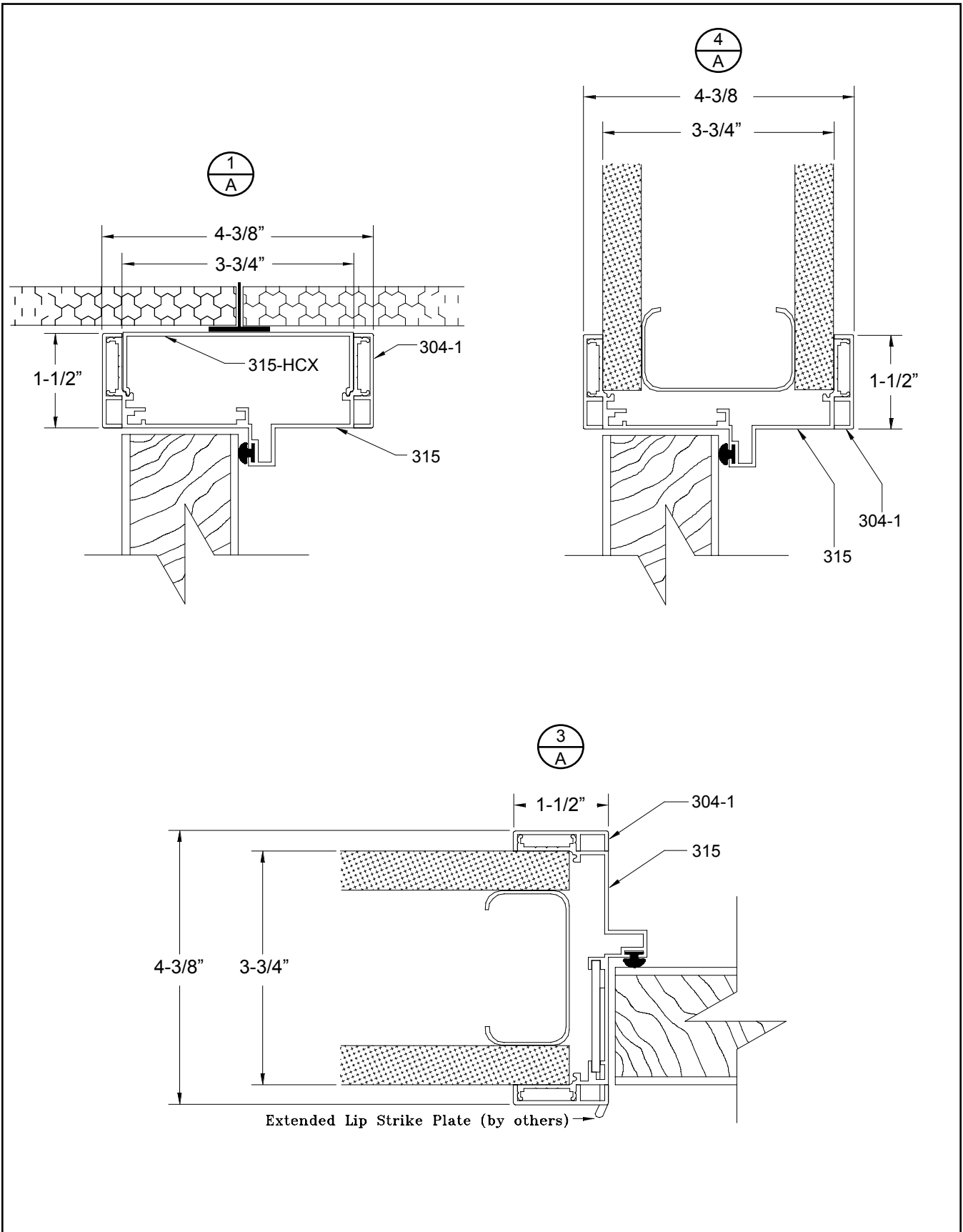
## 300 System w/ Recessed Pocket Glazing w/ 302 (1") Trim

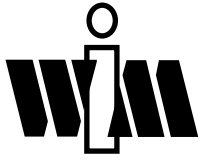




# Western Integrated Materials, Inc.

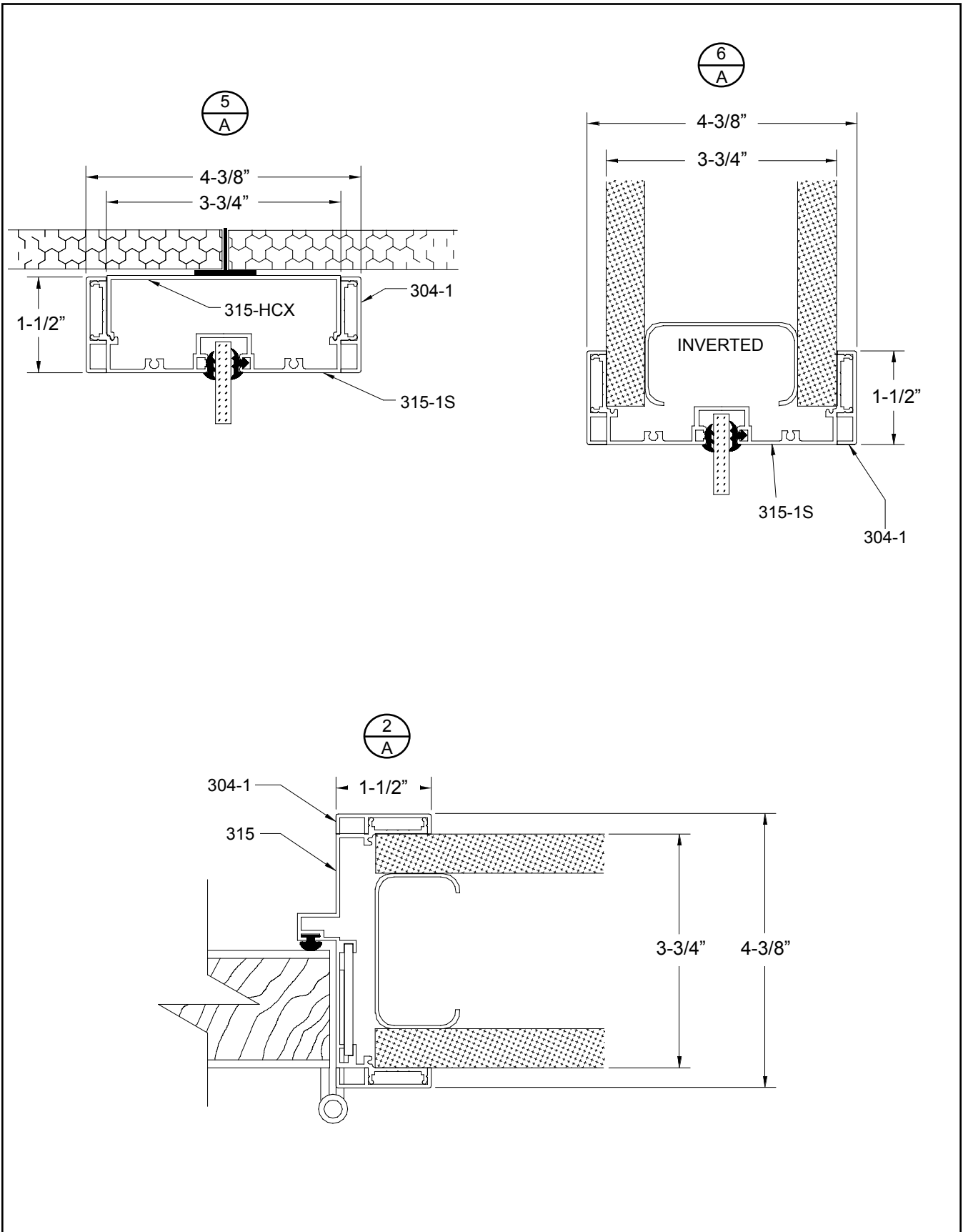
## 300 System w/ Recessed Pocket Glazing w/ 304-1 (1-1/2") Trim

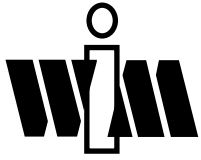




# Western Integrated Materials, Inc.

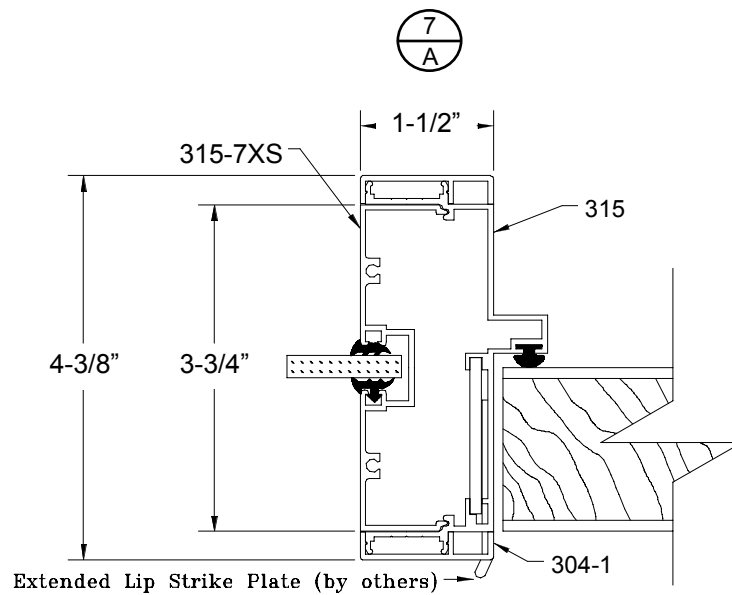
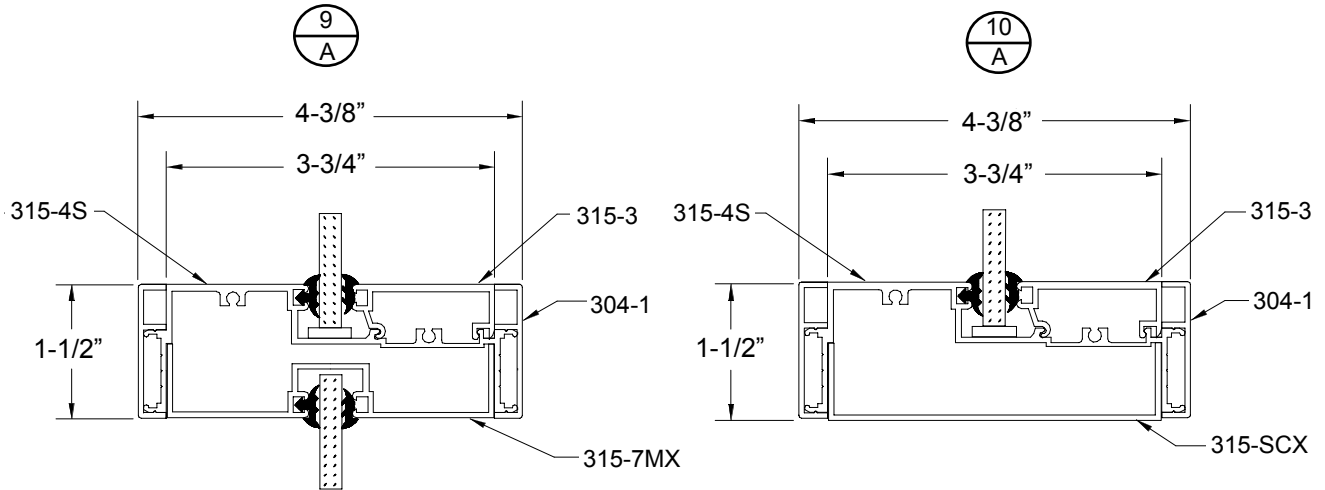
## 300 System w/ Recessed Pocket Glazing w/ 304-1 (1-1/2") Trim



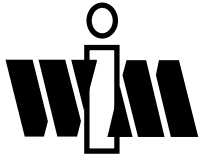


# Western Integrated Materials, Inc.

## 300 System w/ Recessed Pocket Glazing w/ 304-1 (1-1/2") Trim

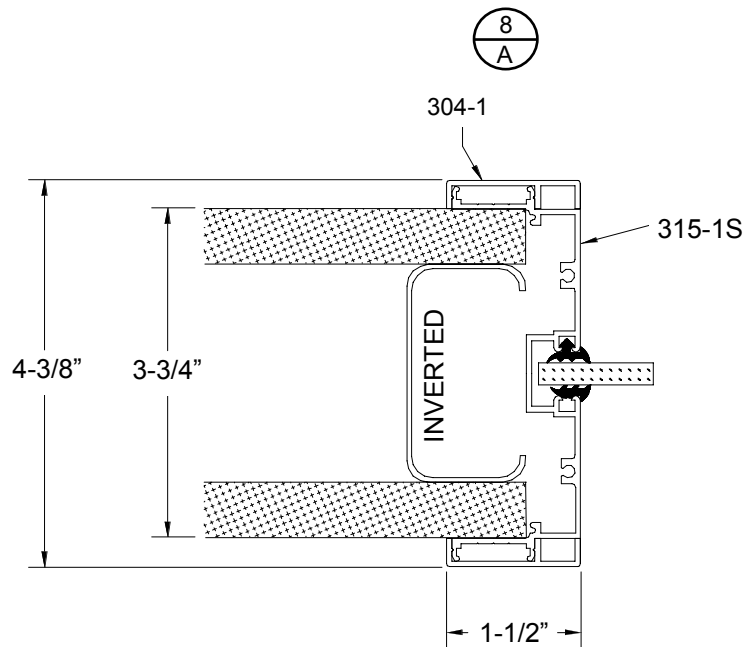
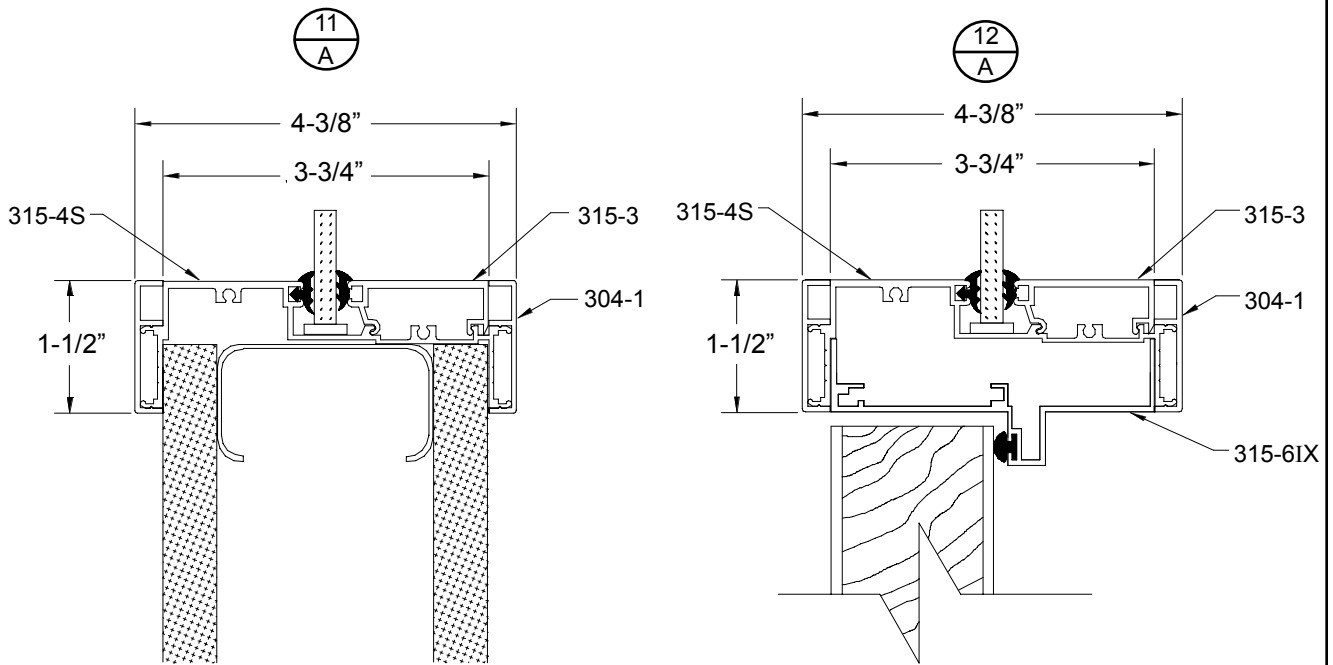


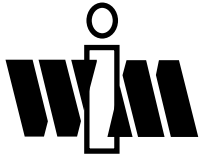




# Western Integrated Materials, Inc.

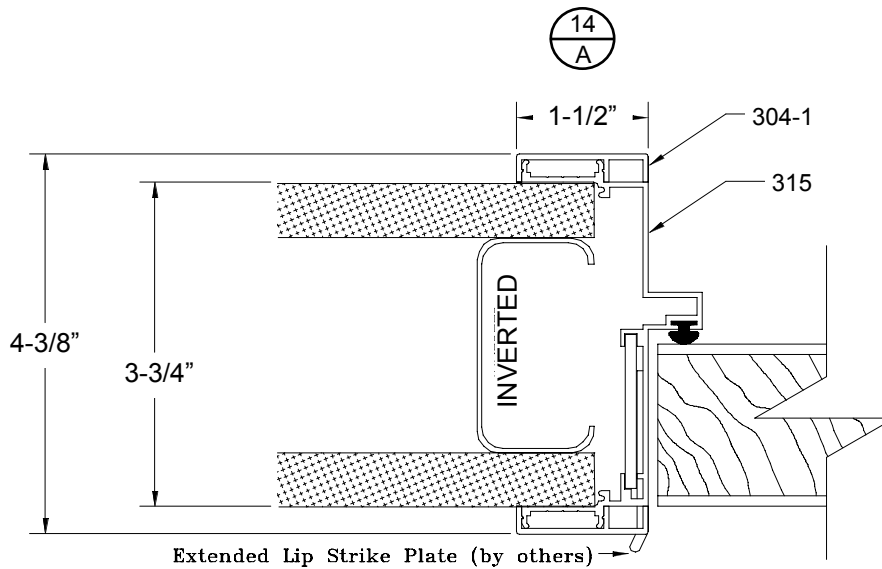
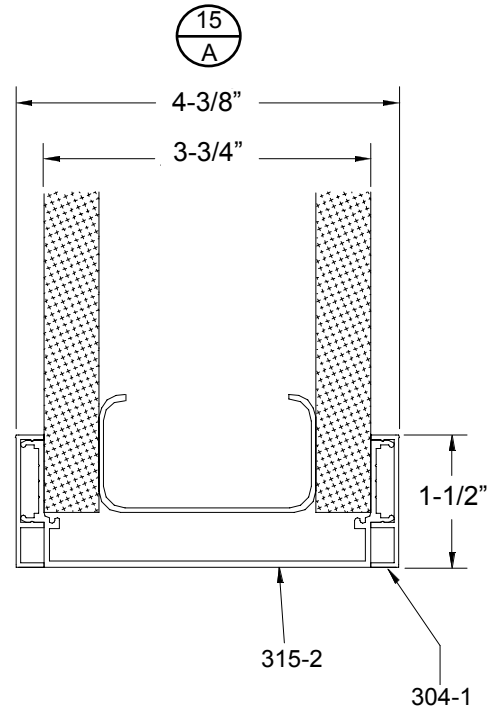
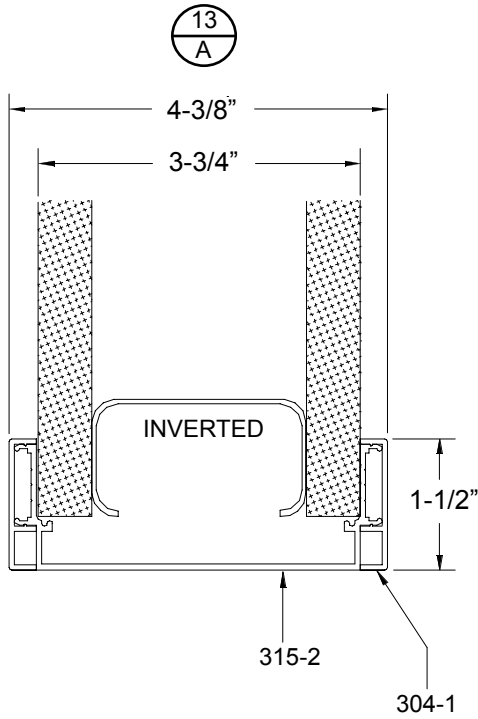
## 300 System w/ Recessed Pocket Glazing w/ 304-1 (1-1/2") Trim

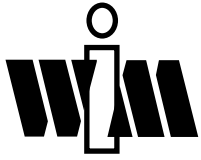




# Western Integrated Materials, Inc.

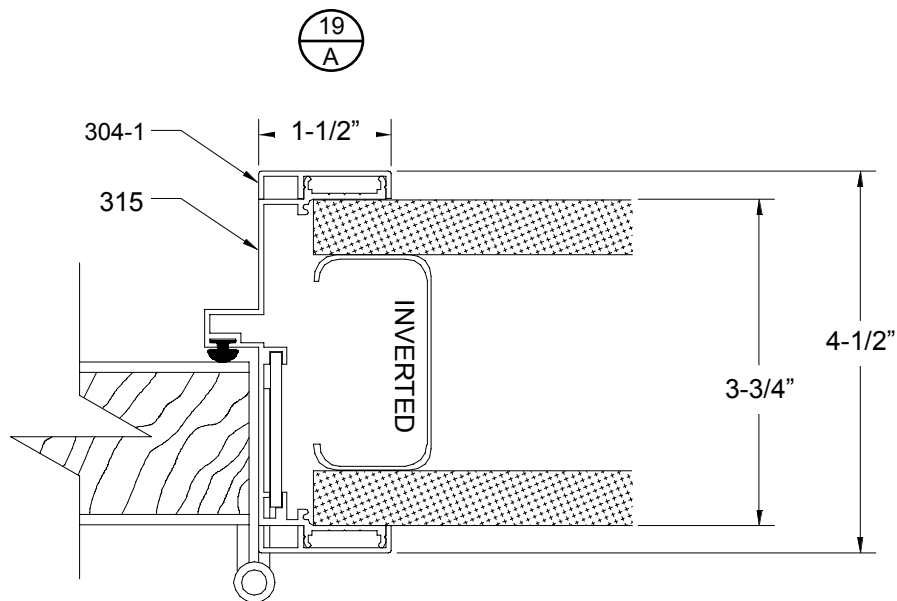
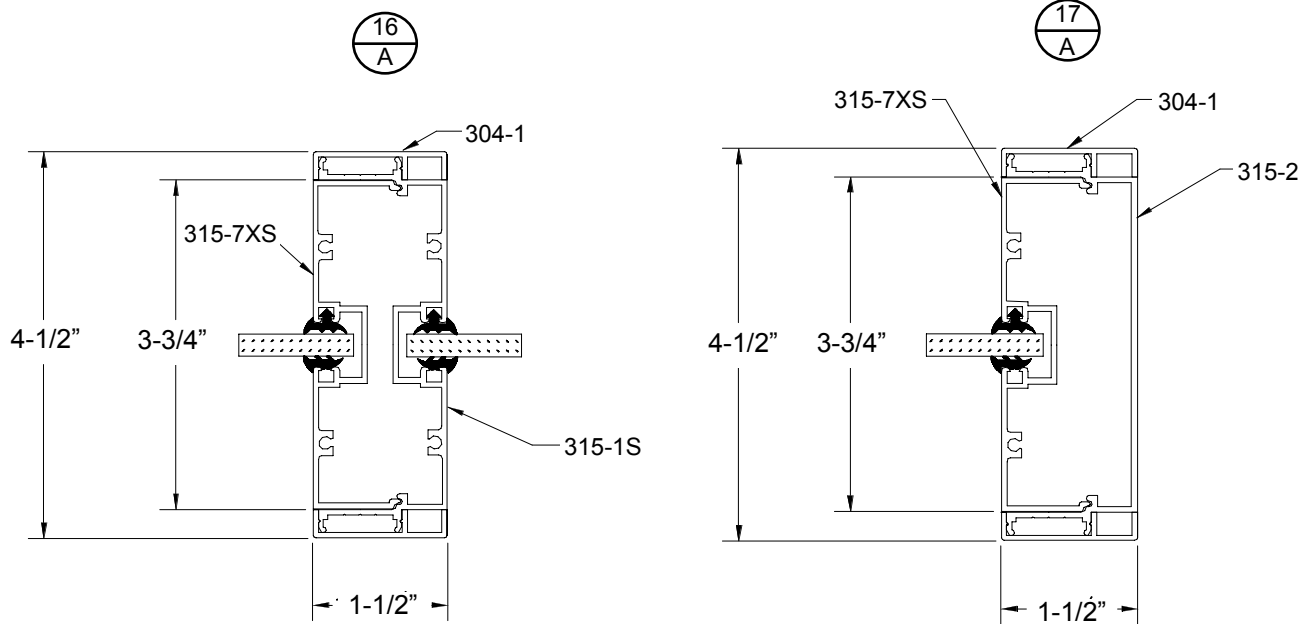
300 System w/ Recessed Pocket Glazing w/ 304-1 (1-1/2") Trim

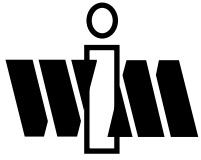




# Western Integrated Materials, Inc.

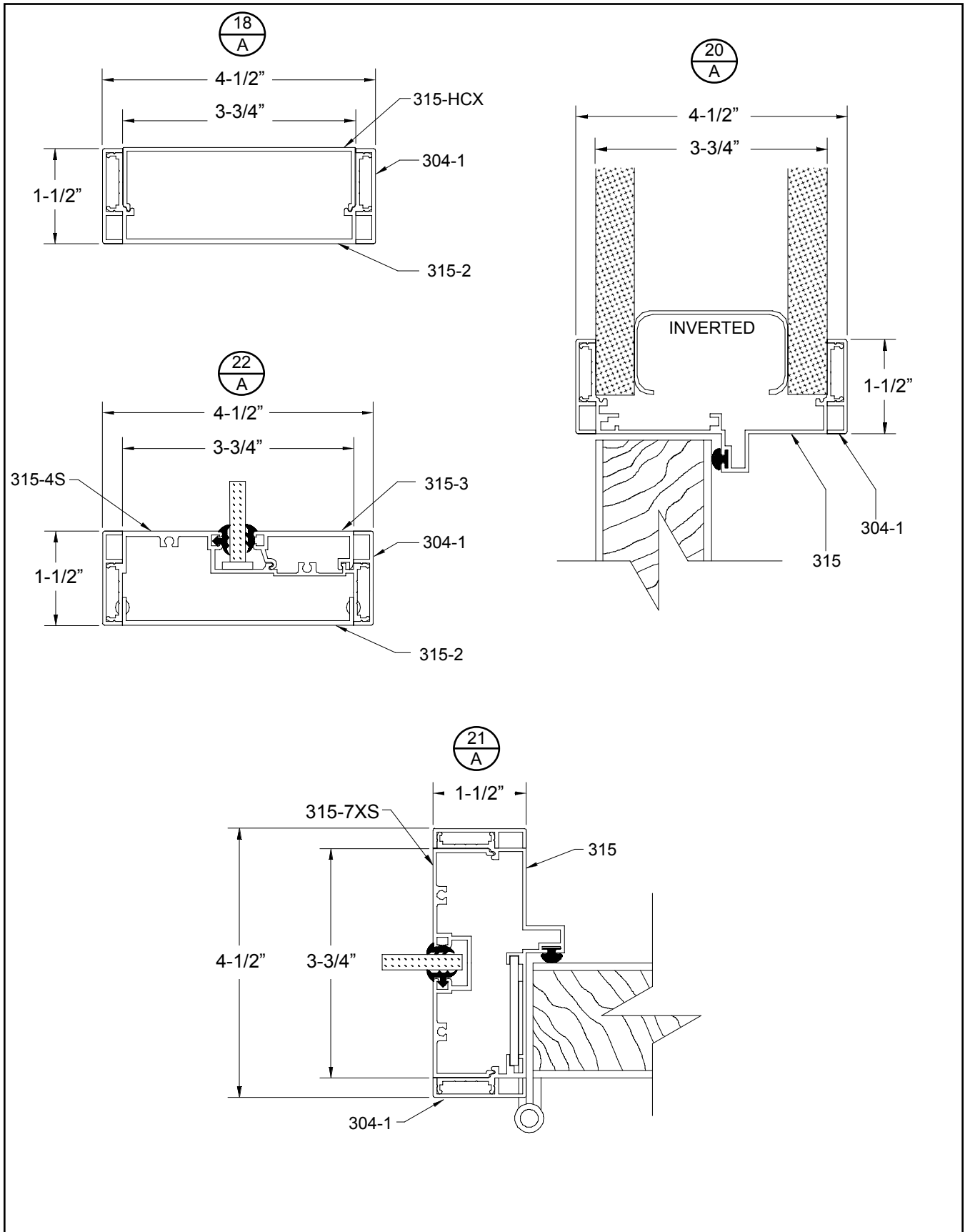
300 System w/ Recessed Pocket Glazing w/ 304-1 (1-1/2") Trim

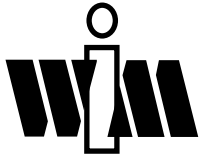




# Western Integrated Materials, Inc.

## 300 System w/ Recessed Pocket Glazing w/ 304-1 (1-1/2") Trim





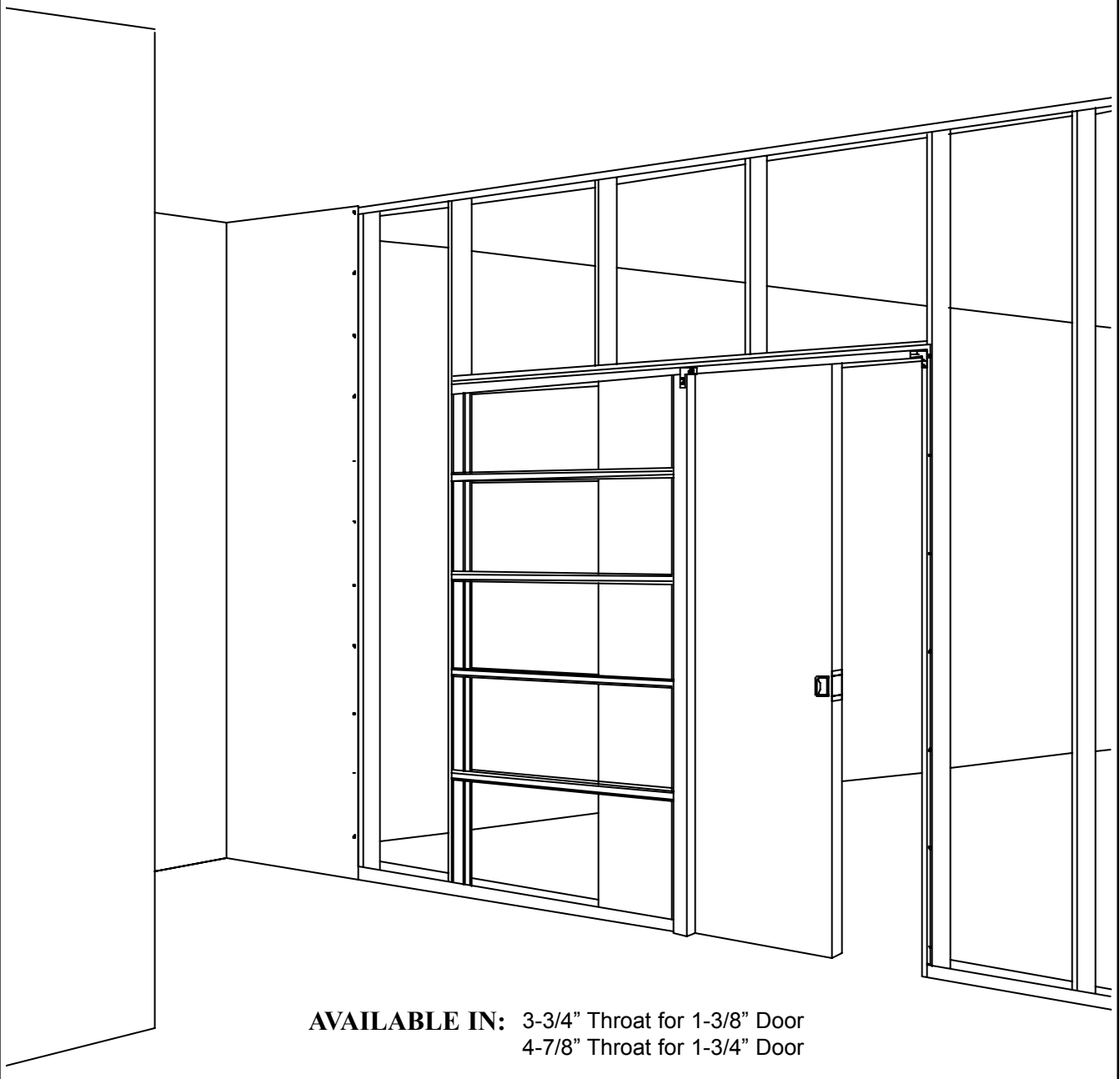
# Western Integrated Materials, Inc.

## Pocket Door Frame

The framework is formed from slim, smooth-faced aluminum sections (except the pocket which is steel) giving an elegant, clean and graceful appearance. Every line and every detail of this advanced design expresses slimness, strength and serviceability.

Different design effects may be created by combining various types of finishes to suit a specific purpose, whether it be for an office, reception area or a conference room.

Expansion and reorganization demand constant changes in interior arrangements and these PRE-BILT™ door frames make it possible to adapt to such changes with minimum expense and delay.



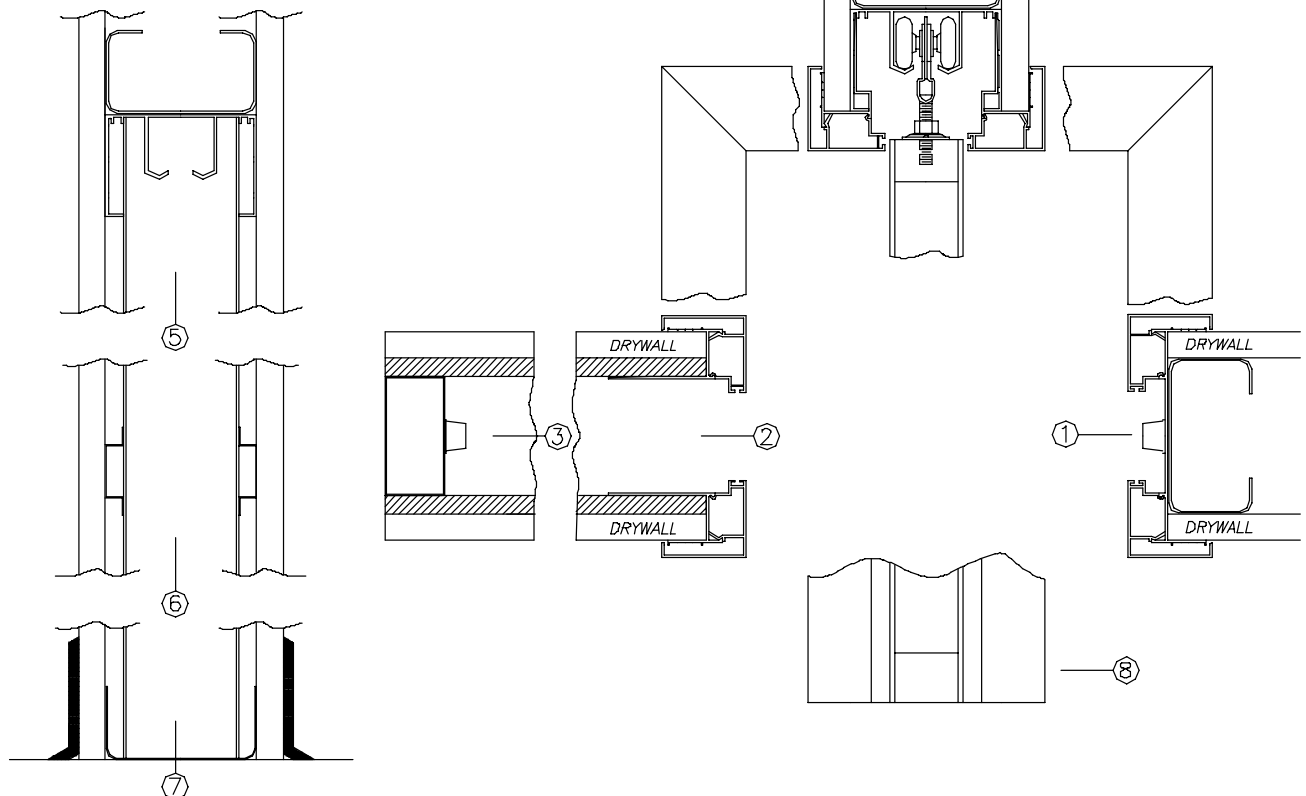
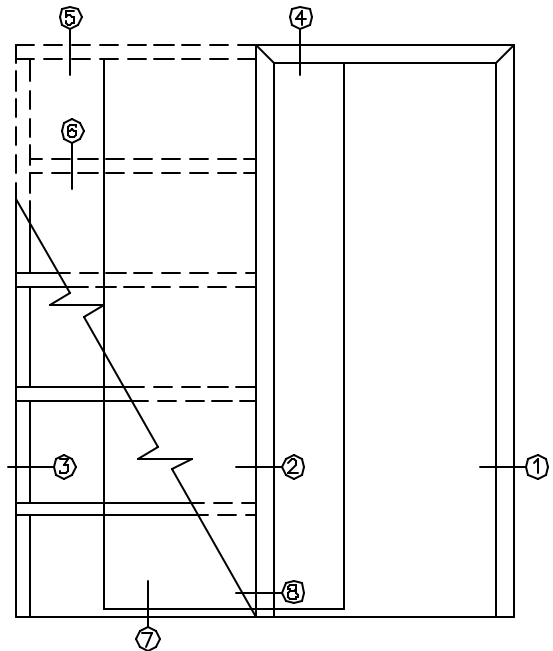
**AVAILABLE IN:** 3-3/4" Throat for 1-3/8" Door  
4-7/8" Throat for 1-3/4" Door

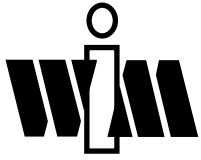


# Western Integrated Materials, Inc.

## CHECK THESE FEATURES!

1. The frame and pocket are shipped completely assembled (less door and pull).
2. The snap on trim can be removed to allow for the installation of a replacement door (i.e. decor change).
3. The floor anchor at the pocket opening allows for precise spacing of the pocket opening.
4. Nylon faced door guide allows for quiet and continual free movement of the door into the pocket.
5. A completely assembled unit reduces installation cost.
6. The pocket cavity is completely incombustible.
7. The snap-on trim completes an appealing look, designed to closely resemble our swinging door frame.
8. Wallboards are installed after the frame, allowing all the rough work to be completed prior to the installation of the finish trim.
9. All parts are shipped from one location.

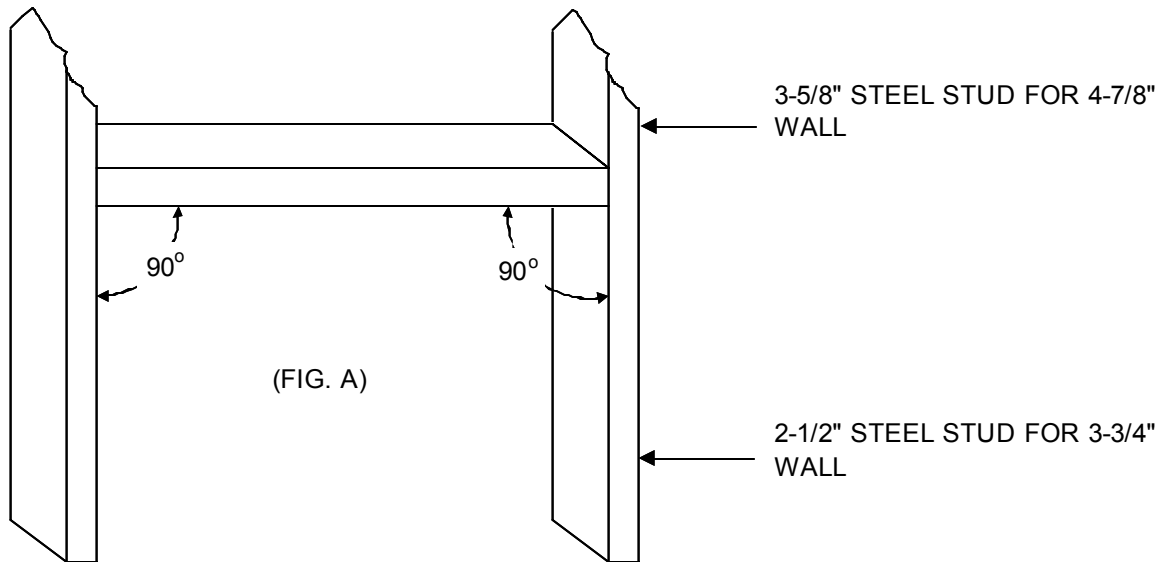




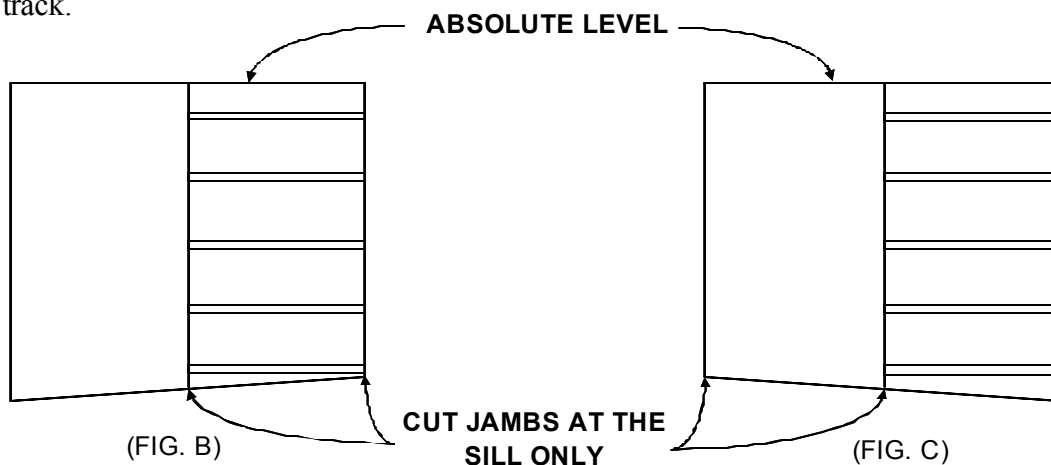
## Pocket Frame Installation Instructions

**IMPORTANT: THIS PAGE SUPERSEDES HARDWARE PACKAGE !!!**

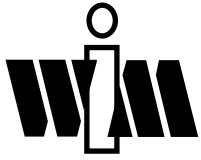
1. All framing must be square (Fig. A) and be the proper dimensions.



If for any reason your floor is not level, the jamb must be trimmed at the base (Fig. B & C). The header must always remain level. This is because the door hangs and rolls on the top track.

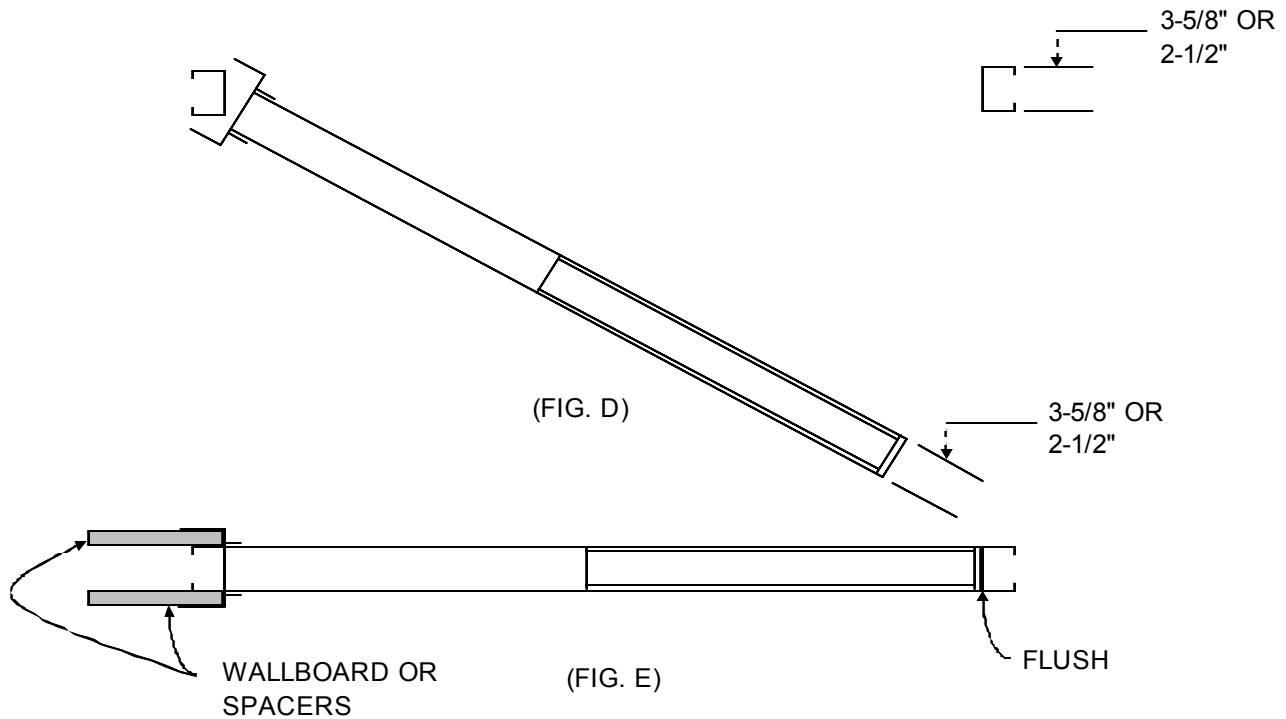


2. All framing must be with steel studs. **NOT FLOOR TRACK !**
3. **IMPORTANT: INSTALL ROLLERS ONTO TRACK. THIS MUST BE COMPLETED BEFORE FRAME IS INSTALLED IN OPENING**

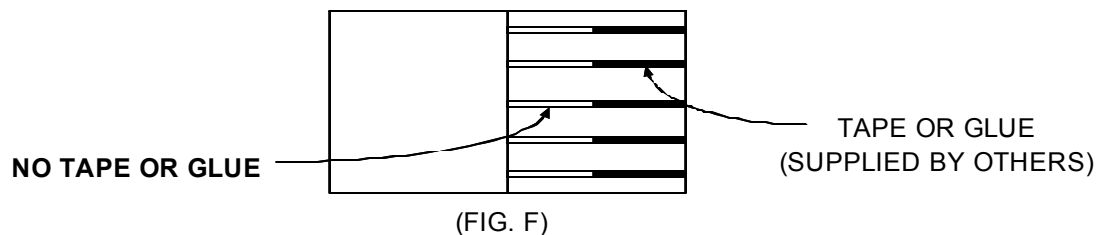


# Western Integrated Materials, Inc.

4. Slip exposed jamb over steel stud (FIG. D) & swing pocket end into place. (FIG. E)

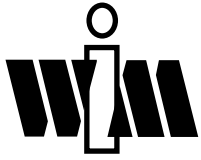


5. To center exposed jamb, you must either now install drywall or use dummy spacers (Fig. E). Wall Frame work and pocket frame work will flush out.
6. You can now secure frame by screwing through jambs and header.
7. Install hanger plate to top of door. (See Hardware Instructions.)
8. Hang door on rollers. (See Hardware Instructions.)
9. To attach wall board to steel horizontal ribs, use double stick tape or glue on one half of each rib only. (Fig. F) If tape is applied to entire length of horizontal ribs the gypsum board cannot be slipped under jambs.



10. Now install door frame trim by snapping it on.





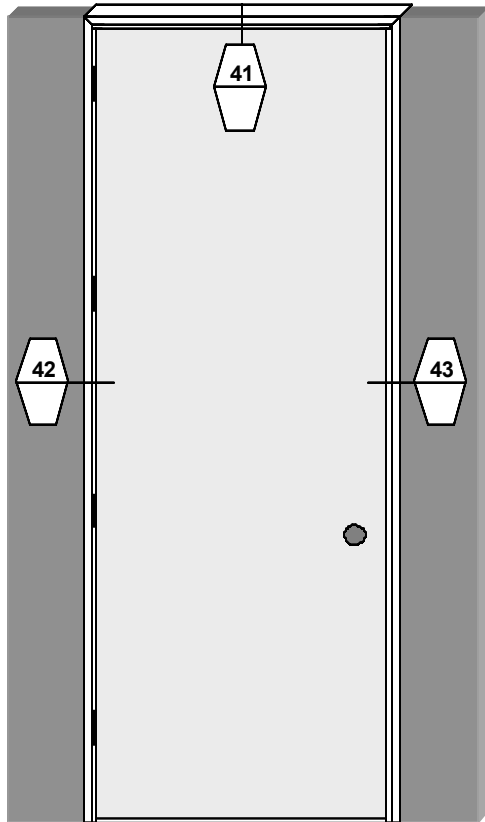
# Western Integrated Materials, Inc.

## Series 400, 401 & 402 Variable Width Door Frame

Series 400 for special wall thickness from 3" to 6" using the 411 Back Leg 1.

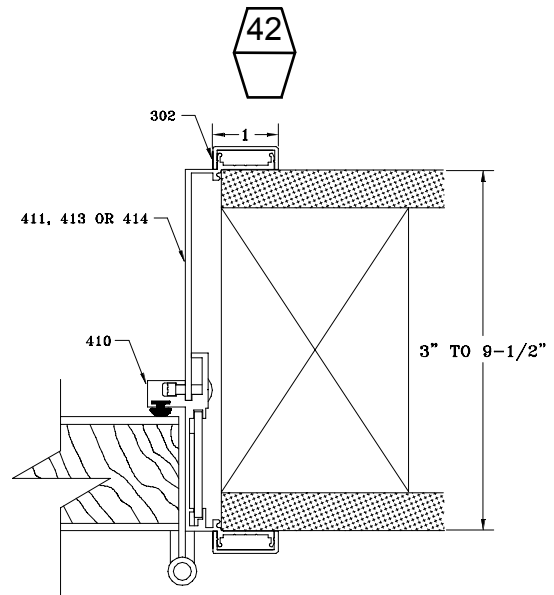
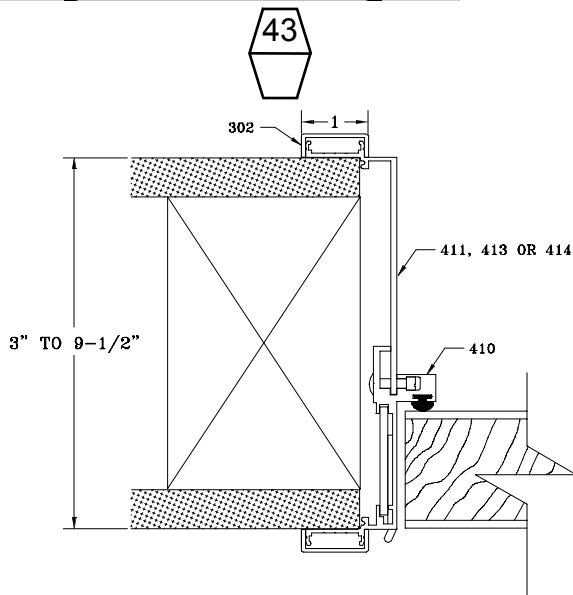
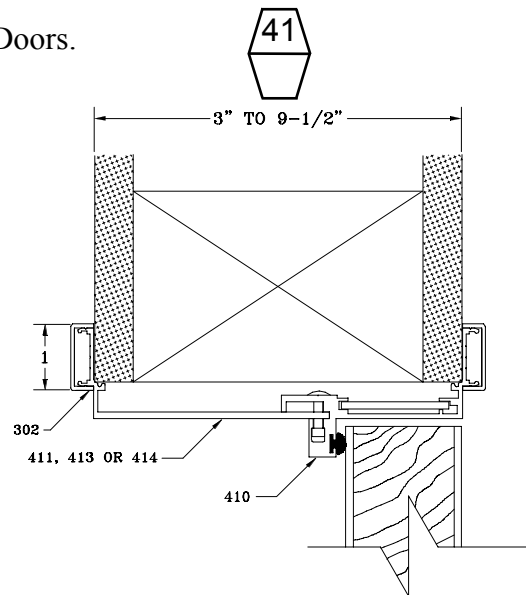
Series 401 for special wall thickness from 6" to 7-1/2" using 413 Back Leg 2.

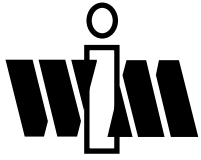
Series 402 for special wall thickness from 7-1/2" to 9-1/2" using 414 Back Leg 3.



Series 400, 401 & 402 is not a true expandable door frame. It is fabricated to fit a variety of wall conditions. We fabricate the throat of the frame to the required wall thickness. It is installed the same as the 300 System and has exactly the same exposed profile.

For 1-3/4" Doors.





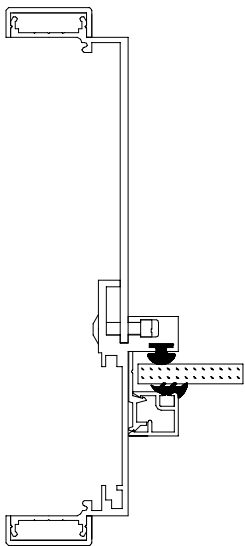
# Western Integrated Materials, Inc.

## Series 400, 401 & 402 Variable Width Glazing

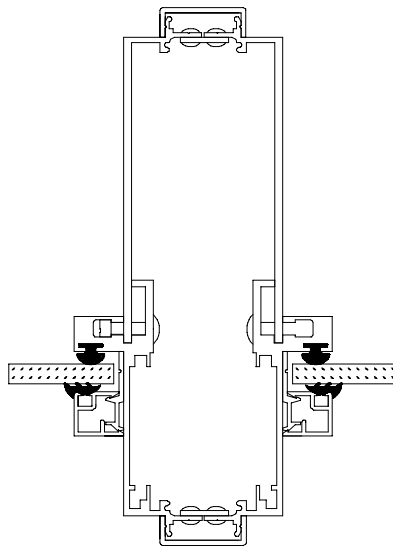
Our variable width door frame extrusion combined with an applied glazing stop give a door frame / borrowed light combination that is not only structurally strong but very pleasing in appearance.

When door stop on jamb is milled out to receive head and sill members - the combination acts as a mortise and tenon joint at all four corners. This allows for simple and quick installation for what can normally be complicated and expensive.

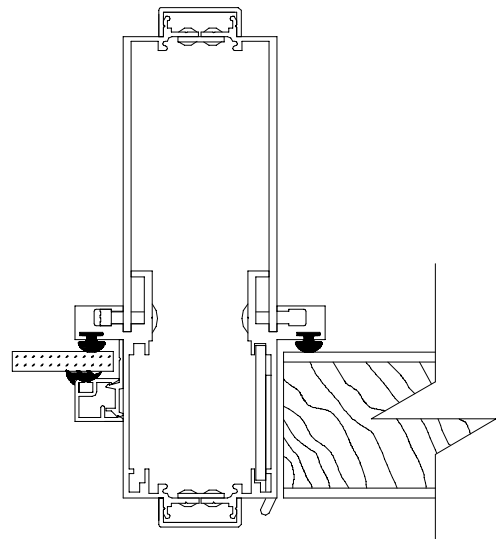
Available in any throat size from 3" to 9-1/2".



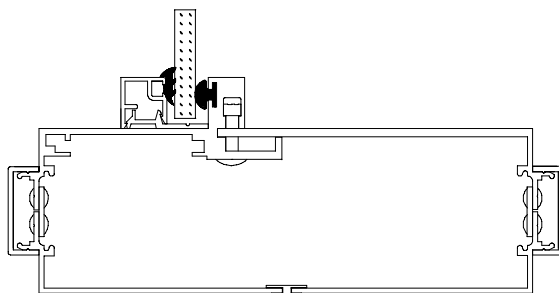
**Borrowed Light  
Jamb, Sill or  
Head**



**Borrowed Light  
Vertical Mullion /  
Horizontal Muntin**



**Sidelight / Door Frame  
Mullion**



**Borrowed Light /  
Cased Opening  
Mullion**

**Mullions as shown are fabricated and assembled in our plant to specified wall thickness. No field labor other than installation is required.**



# Western Integrated Materials, Inc.

## 90 Minute Aluminum Door Frame for Positive / Negative Pressure

### MAXIMUM ASSEMBLY SIZE

- 4' 0" X 9' 0" Single swing with Pemko smoke seal #PK4 and HSS2000 intumescent on the perimeter of frame, supplied by WIM.
- 8' 0" X 9' 0" Standard pair with Pemko smoke seal #PK4, HSS2000 on the perimeter of the frame and on one meeting edge supplied by WIM.

### THROAT SIZE

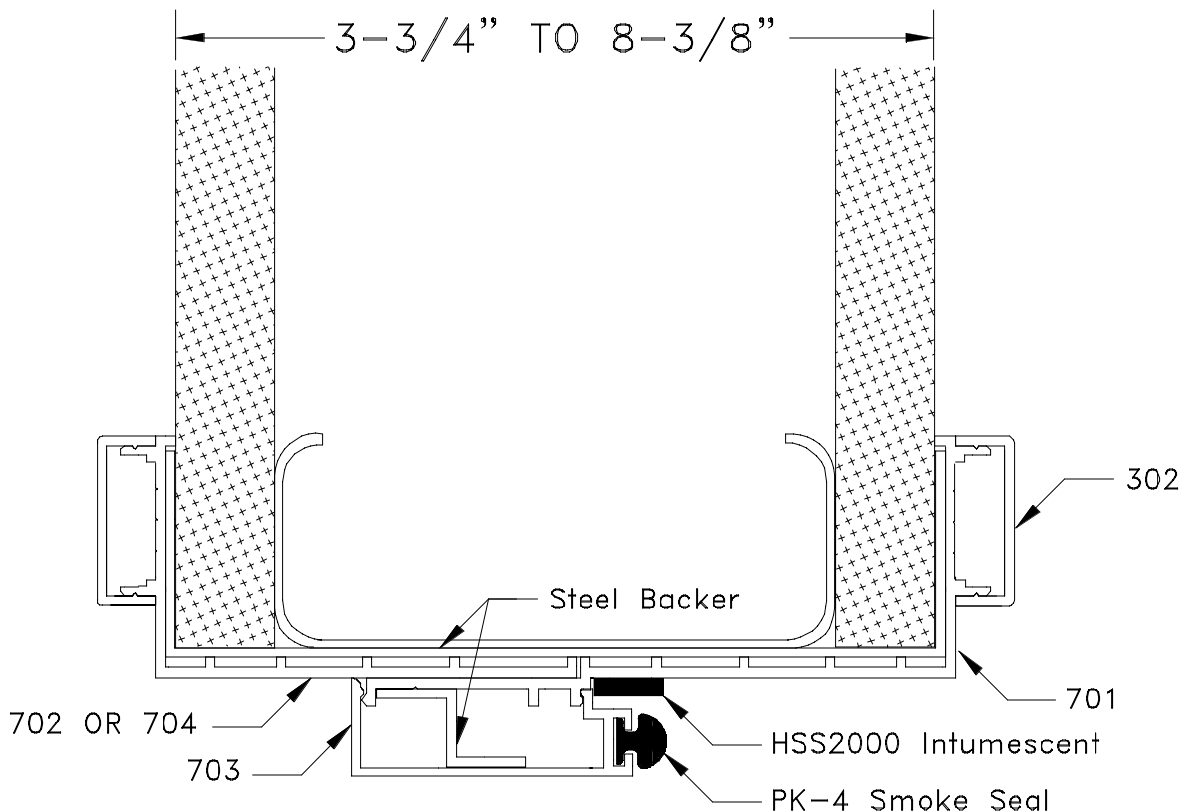
- **Series 700** for special wall thickness from 3-3/4" to 5-1/2" using the 702 Back Leg 1.
- **Series 701** for special wall thickness from 5-1/2" to 8-3/8" using 704 Back Leg 2.

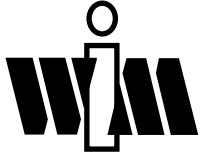
### DOOR TYPE FOR POSITIVE PRESSURE

- Any listed steel 90 minute positive pressure rated doors.

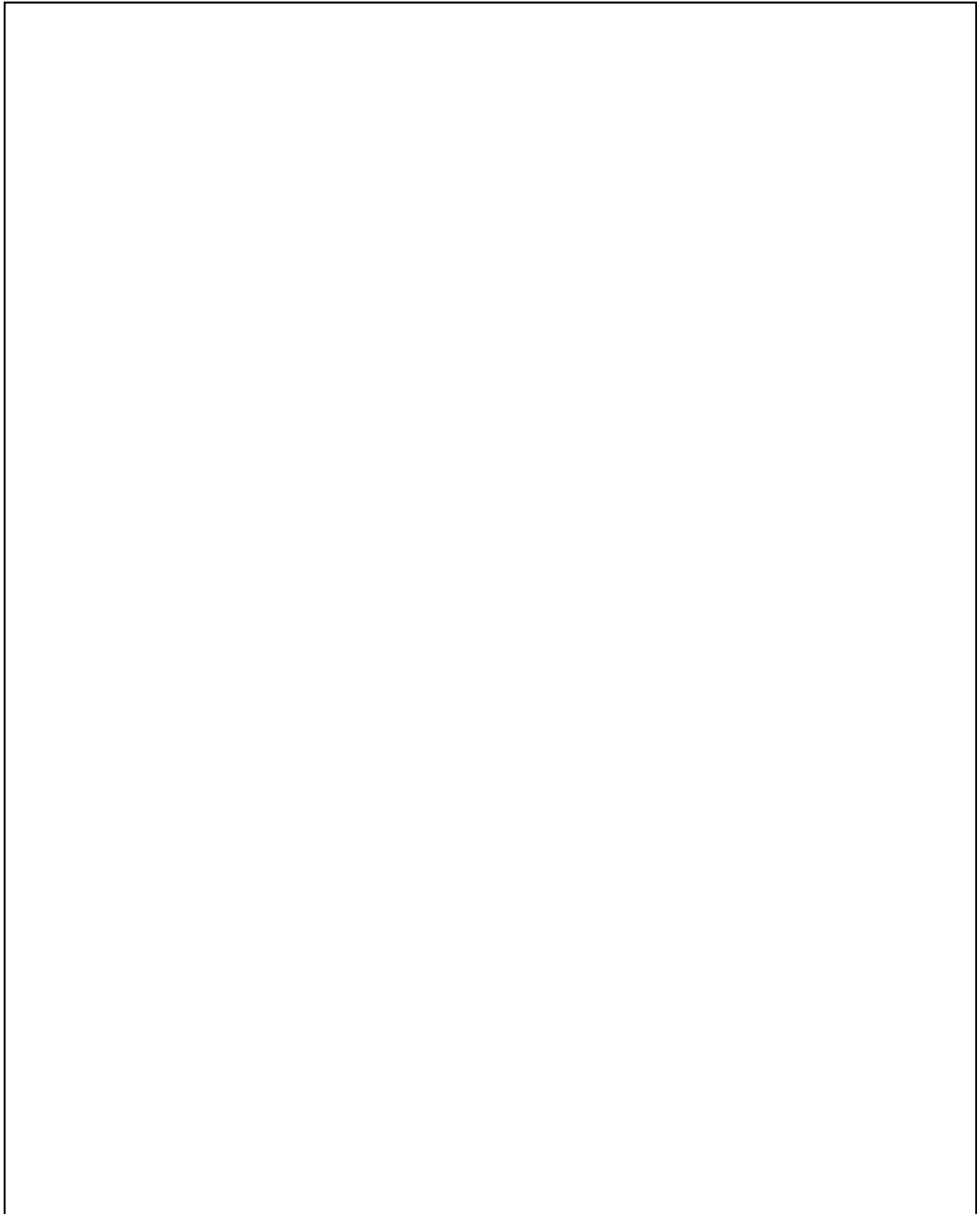
### DOOR TYPE FOR NEGATIVE PRESSURE

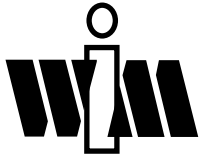
- Any listed 90 minute negative pressure doors.





# Western Integrated Materials, Inc.





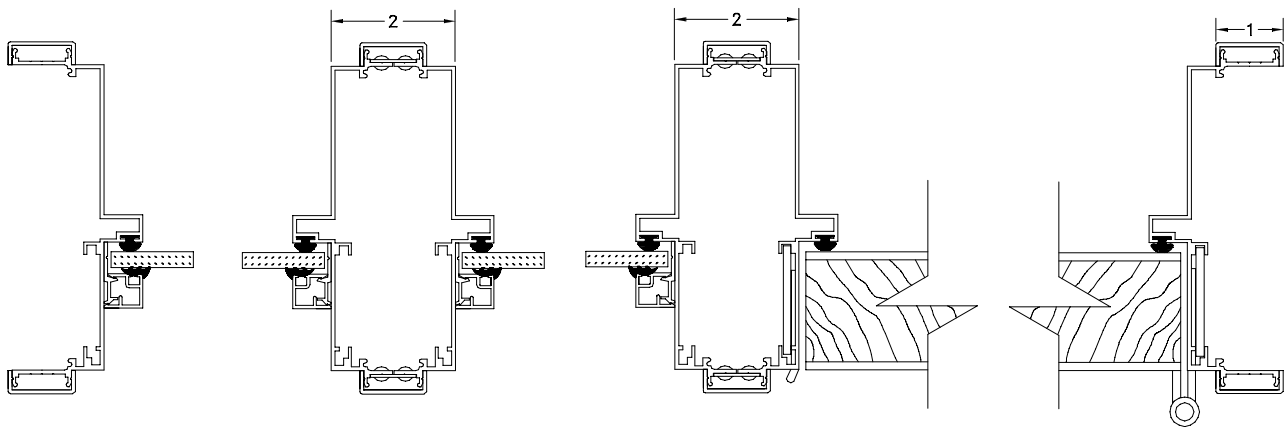
# Western Integrated Materials, Inc.

## The Applied Stop System

Our standard door frame extrusion combined with an applied glazing stop give a door frame / borrowed light combination that is not only structurally strong but very pleasing in appearance.

When door stop on jamb is milled out to receive head and sill members - the combination acts as a mortise and tenon joint at all four corners. This allows for simple and quick installation for what can normally be complicated and expensive.

Available in all throat sizes from 3" to 9-1/2".

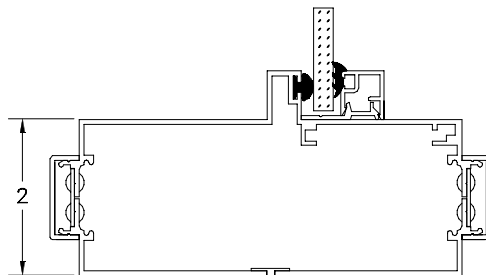


**Borrowed Light  
Jamb, Sill or  
Head**

**Borrowed Light  
Mullion**

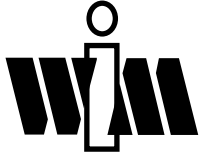
**Side Light / Door  
Frame Mullion**

**Door Frame**

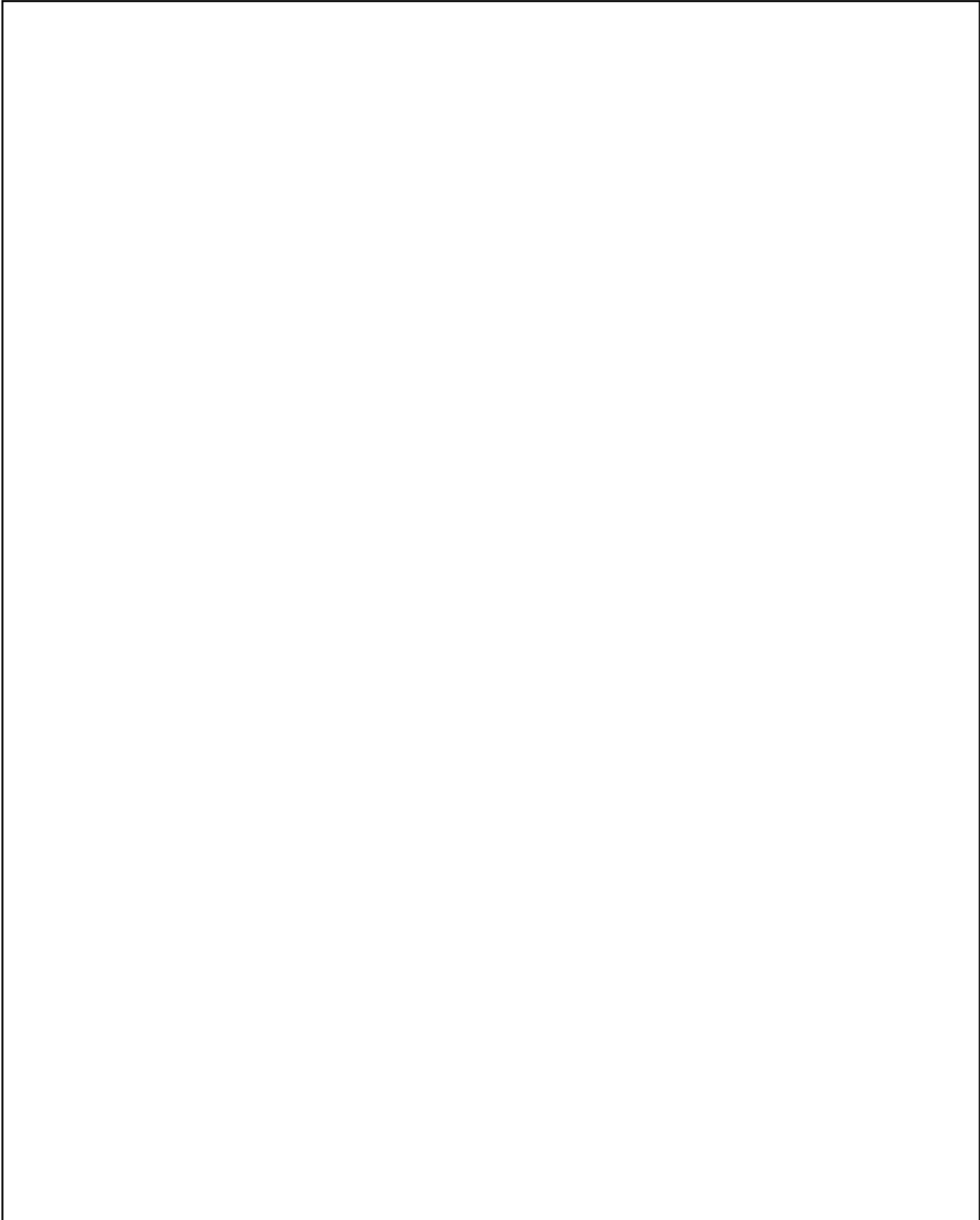


**Borrowed Light / Cased  
Opening Mullion**

**Mullions as shown are fabricated and assembled in our plant to specified wall thickness. No field labor other than installation is required.**



# **Western Integrated Materials, Inc.**





# Western Integrated Materials, Inc.

## STANDARD HINGE / STRIKE LOCATIONS 4-1/2" X 4-1/2" HINGE -- 1-1/2" PAIR ASA 4-7/8" STRIKE

Hinge locations based upon the Door Opening Height to the Top of each hinge cutout.

Strike location based upon the Door Opening Height to the Center Line of the Strike cutout.

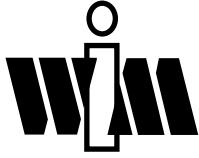
Mortise door for 1/4" backset on hinges.

Loc ID*	Item	80"	81"	82"	83"	84"	85"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Middle Hinge	35-1/4"	35-3/4"	36-1/4"	36-3/4"	37-1/4"	37-3/4"
C	Bottom Hinge	65-1/2"	66-1/2"	67-1/2"	68-1/2"	69-1/2"	70-1/2"
F	Strike	42"	43"	44"	45"	46"	47"
Loc ID*	Item	86"	87"	88"	89"	90"	91"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Middle Hinge	38-1/4"	38-3/4"	39-1/4"	39-3/4"	40-1/4"	40-3/4"
C	Bottom Hinge	71-1/2"	72-1/2"	73-1/2"	74-1/2"	75-1/2"	76-1/2"
F	Strike	48"	49"	50"	51"	52"	53"
Loc ID*	Item	92"	93"	94"	95"	96"	97"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Middle Hinge	41-1/4"	41-3/4"	42-1/4"	42-3/4"	43-1/4"	43-3/4"
C	Bottom Hinge	77-1/2"	78-1/2"	79-1/2"	80-1/2"	81-1/2"	82-1/2"
F	Strike	54"	55"	56"	57"	58"	59"
Loc ID*	Item	98"	99"	100"	101"	102"	103"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Middle Hinge	44-1/4"	44-3/4"	45-1/4"	45-3/4"	46-1/4"	46-3/4"
C	Bottom Hinge	83-1/2"	84-1/2"	85-1/2"	86-1/2"	87-1/2"	88-1/2"
F	Strike	60"	61"	62"	63"	64"	65"
Loc ID*	Item	104"	105"	106"	107"	108"	109"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Middle Hinge	47-1/4"	47-3/4"	48-1/4"	48-3/4"	49-1/4"	49-3/4"
C	Bottom Hinge	89-1/2"	90-1/2"	91-1/2"	92-1/2"	93-1/2"	94-1/2"
F	Strike	66"	67"	68"	69"	70"	71"

## STANDARD HINGE / STRIKE LOCATIONS 4-1/2" X 4-1/2" HINGE -- 1 PAIR ASA 4-7/8" STRIKE

Loc ID*	Item	80"	81"	82"	83"	84"	85"
A	Top Hinge	5"	5"	5"	5"	5"	5"
C	Bottom Hinge	65-1/2"	66-1/2"	67-1/2"	68-1/2"	69-1/2"	70-1/2"
F	Strike	42"	43"	44"	45"	46"	47"

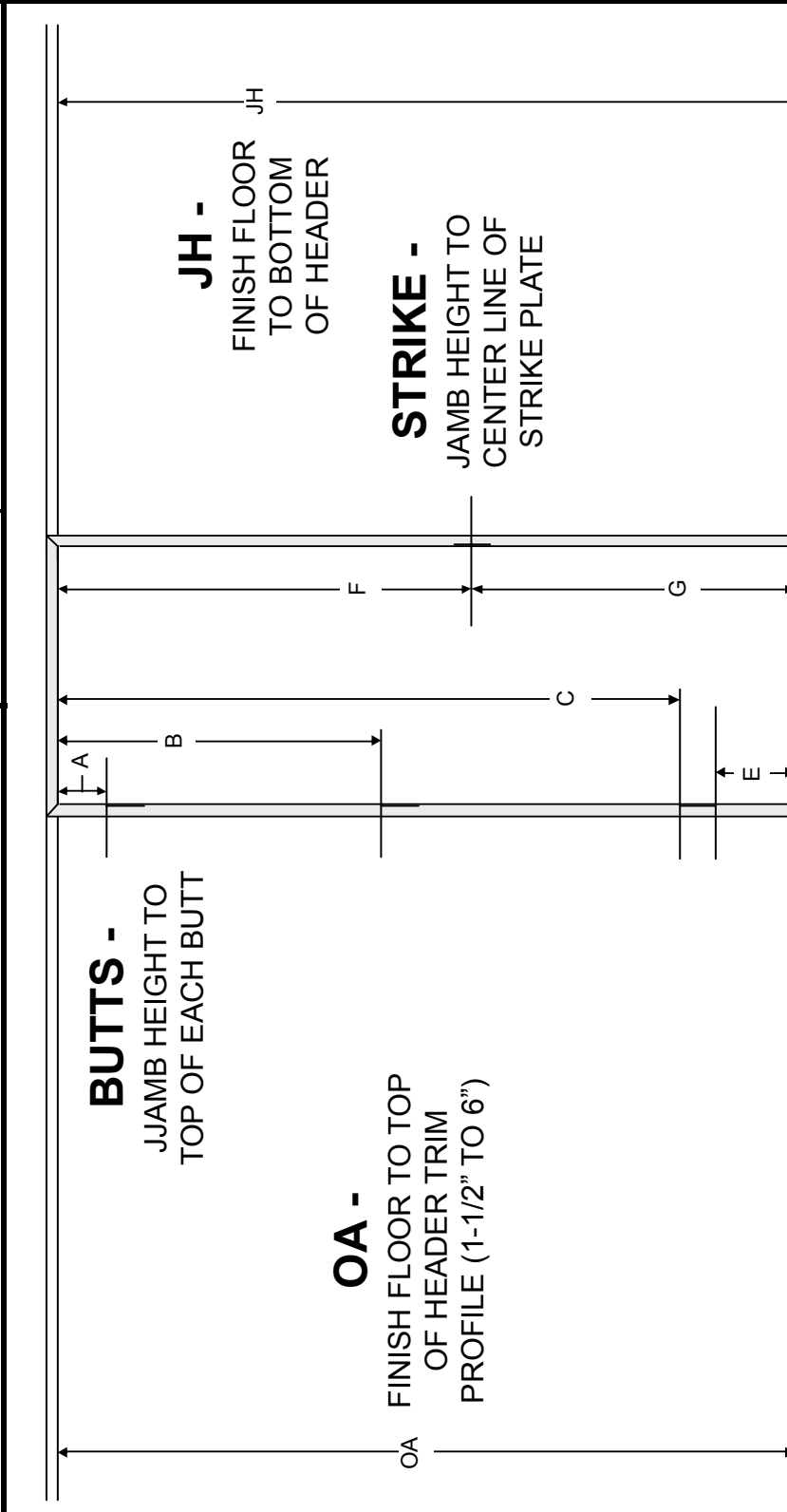
\* See adjoining shop drawing.



# Western Integrated Materials, Inc.

## Aluminum Door Frame Machine Details - 1-1/2 Pair Butts

<b>Western Integrated Materials, Inc.</b> Corp. HQ, Mfg., Tech., and Sales 3310 E. 59th St. Long Beach, CA 90805 562-634-2823 / Fax: 562-634-8449	DRAWN BY:
	DATE DRAWN:
	APPROVED BY:
	DATE APPROVED:
	REVISED:
<b>Aluminum Door Frame Machine Details</b> Spacing 1-1/2 Pair Butts -- (Not to scale)	



BUTT LOCATIONS		STRIKE LOCATION					
OD	ID	A	B	C	E	F	G
OA	JH						





# Western Integrated Materials, Inc.

## STANDARD HINGE / STRIKE LOCATIONS 4-1/2" X 4-1/2" HINGE -- 2 PAIR ASA 4-7/8" STRIKE

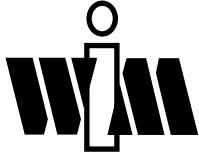
Hinge locations based upon the Door Opening Height to the Top of each hinge cutout.  
Strike location based upon the Door Opening Height to the Center Line of the Strike cutout.  
Mortise door for 1/4" backset on hinges.

Loc ID*	Item	80"	81"	82"	83"	84"	85"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Top Middle Hinge	25-1/4"	25-1/2"	25-7/8"	26-1/4"	26-1/2"	26-7/8"
C	Bottom Middle Hinge	45-1/2"	46"	46-3/4"	47-1/2"	48"	48-3/4"
D	Bottom Hinge	65-3/4"	66-1/2"	67-5/8"	68-3/4"	69-1/2"	70-5/8"
F	Strike	42"	43"	44"	45"	46"	47"
Loc ID*	Item	86"	87"	88"	89"	90"	91"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Top Middle Hinge	27-1/4"	27-1/2"	27-7/8"	28-1/4"	28-1/2"	28-7/8"
C	Bottom Middle Hinge	49-1/2"	50"	50-3/4"	51-1/2"	52"	52-3/4"
D	Bottom Hinge	71-3/4"	72-1/2"	73-5/8"	74-3/4"	75-1/2"	76-5/8"
F	Strike	48"	49"	50"	51"	52"	53"
Loc ID*	Item	92"	93"	94"	95"	96"	97"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Top Middle Hinge	29-1/4"	29-1/2"	29-7/8"	30-1/4"	30-1/2"	30-7/8"
C	Bottom Middle Hinge	53-1/2"	54"	54-3/4"	55-1/2"	56"	56-3/4"
D	Bottom Hinge	77-3/4"	78-1/2"	79-5/8"	80-3/4"	81-1/2"	82-5/8"
F	Strike	54"	55"	56"	57"	58"	59"
Loc ID*	Item	98"	99"	100"	101"	102"	103"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Top Middle Hinge	31-1/4"	31-1/2"	31-7/8"	32-1/4"	32-1/2"	32-7/8"
C	Bottom Middle Hinge	57-1/2"	58"	58-3/4"	59-1/2"	60"	60-3/4"
D	Bottom Hinge	83-3/4"	84-1/2"	85-5/8"	86-3/4"	87-1/2"	88-5/8"
F	Strike	60"	61"	62"	63"	64"	65"
Loc ID*	Item	104"	105"	106"	107"	108"	109"
A	Top Hinge	5"	5"	5"	5"	5"	5"
B	Top Middle Hinge	33-1/4"	33-1/2"	33-7/8"	34-1/4"	34-1/2"	34-7/8"
C	Bottom Middle Hinge	61-1/2"	62"	62-3/4"	63-1/2"	64"	64-3/4"
D	Bottom Hinge	89-3/4"	90-1/2"	91-5/8"	92-3/4"	93-1/2"	94-5/8"
F	Strike	66"	67"	68"	69"	70"	71"

## STANDARD HINGE / STRIKE LOCATIONS - DUTCH DOOR

Loc ID*	Item	80"	84"
A	Top Hinge	5"	5"
B	Top Middle Hinge	30-1/2"	32-1/2"
C	Bottom Middle Hinge	45"	47"
D	Bottom Hinge	65-1/2"	69-1/2"
F	Strike	44"	46"

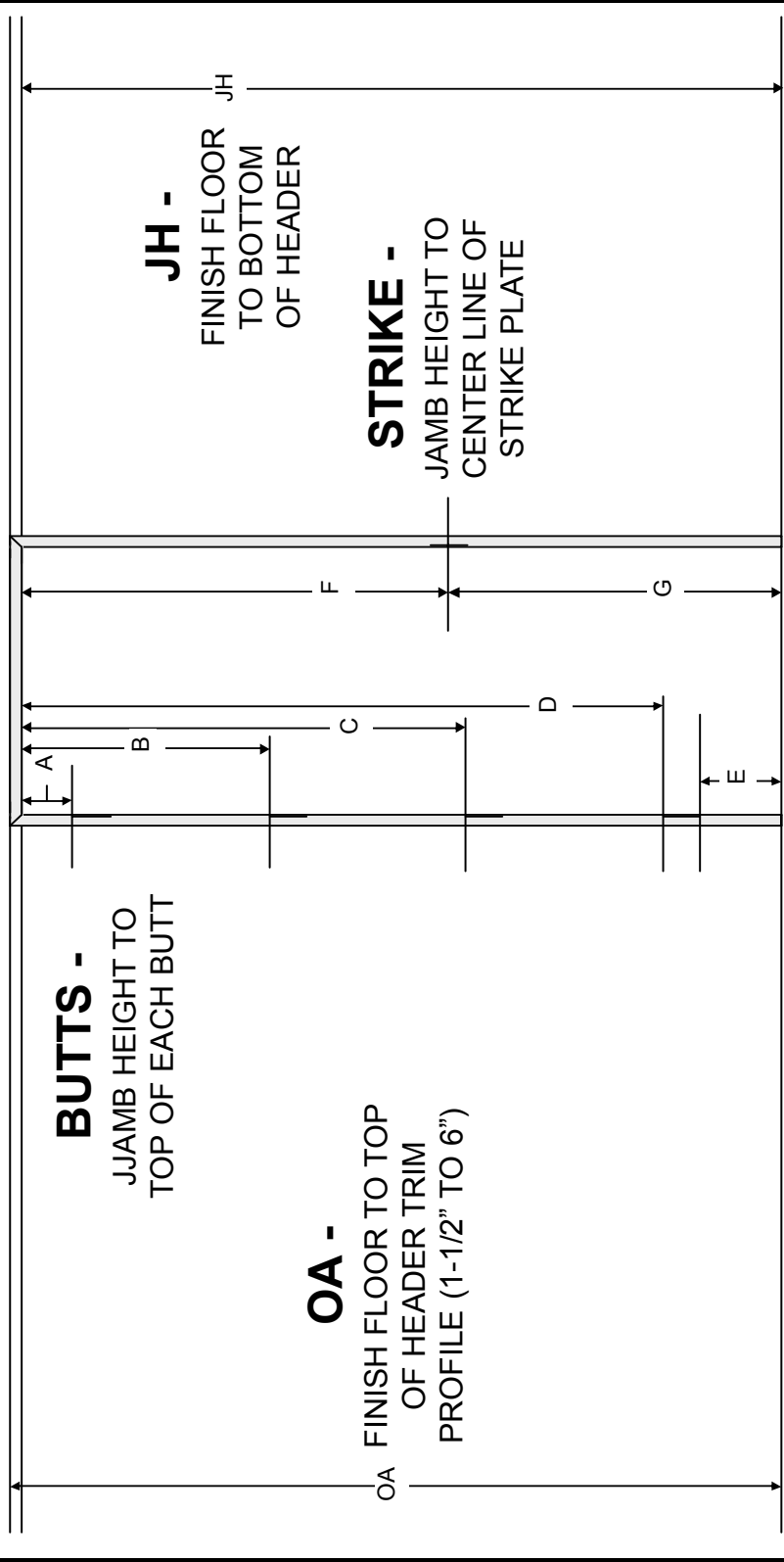
\* See adjoining shop drawing.



# Western Integrated Materials, Inc.

## Aluminum Door Frame Machine Details - 2 Pair Butts

<b>Western Integrated Materials, Inc.</b> Corp. HQ, Mfg., Tech., and Sales 3310 E. 59th St. Long Beach, CA 90805 562-634-2823 / Fax: 562-634-8449  National Project Management 323 N. Short Drumright, OK 74030 Toll Free: 866-886-0710 / Fax 918-729-0761  <b>Aluminum Door Frame Machine Details</b> Spacing 2 Pair Butts -- (Not to scale)	DRAWN BY:
	DATE DRAWN:
	APPROVED BY:
	DATE APPROVED:
	REVISED:



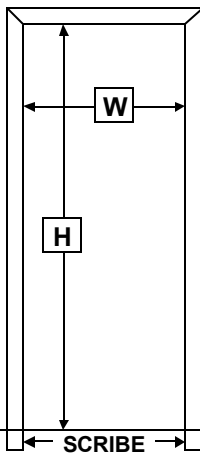
BUTT LOCATIONS		STRIKE LOCATION						
OD	ID	A	B	C	D	E	F	G
OA	JH							



# Western Integrated Materials, Inc.

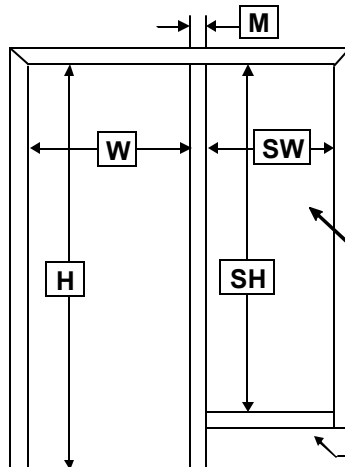
## Rough Opening Information

**DOOR FRAME**



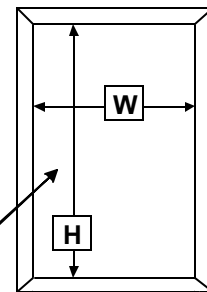
Rough Opening Width =  $W + 1\ 1/2''$   
 Rough Opening Height =  $H + 3/4''$

**DOOR FRAME / SIDELIGHT**



Rough Opening Width =  $W + M + SW + 1\ 1/2''$   
 Rough Opening Height @ Door =  $H + 3/4''$   
 Rough Opening Height @ Side Lite =  $H + 1\ 1/2''$

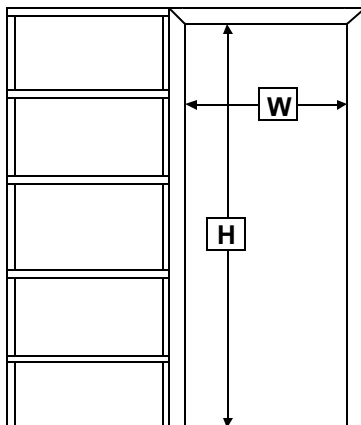
**BORROWED LIGHT**



Glass size is:  
 $SW + 1/2'' \times SH + 1/2''$   
 $W + 1/2'' \times H + 1/2''$

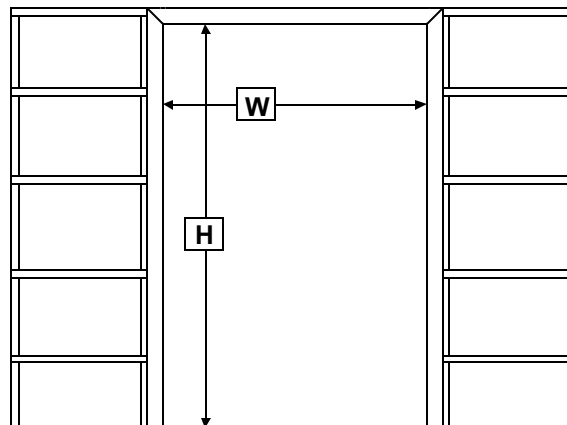
Rough Opening Width =  $W + 1\ 1/2''$   
 Rough Opening Height =  $H + 1\ 1/2''$

**SINGLE DOOR POCKET FRAME**



Rough Opening Width =  $W + W + 1\ 3/4''$   
 Rough Opening Height =  $H + 1\ 3/4''$

**DOUBLE DOOR POCKET FRAME**



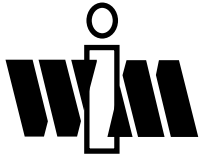
Rough Opening Width =  $W + W + 2\ 1/2''$   
 Rough Opening Height =  $H + 1\ 3/4''$



# Western Integrated Materials, Inc.

## Standard Finishes

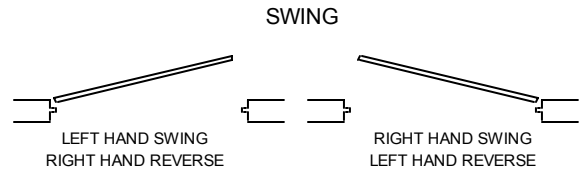
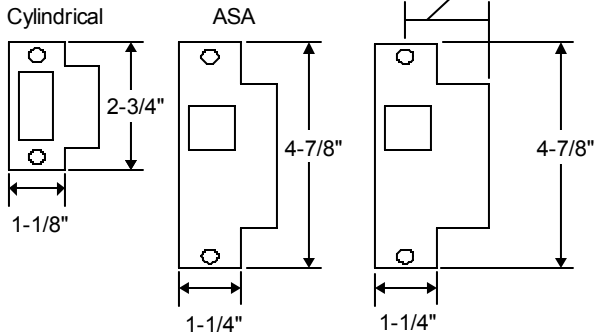
Finish Number	Description	Aluminum Association Finish Designation
1	Commercial Clear Anodize	AA-M12-C22-A21
2	Commercial Grade A.A.M.A. Manual 603.5	Paint Specification
4	Commercial Dark Bronze Anodize	AA-M12-C22-A24
8	Commercial Black Anodize	AA-M12-C22-A34



# Western Integrated Materials, Inc.

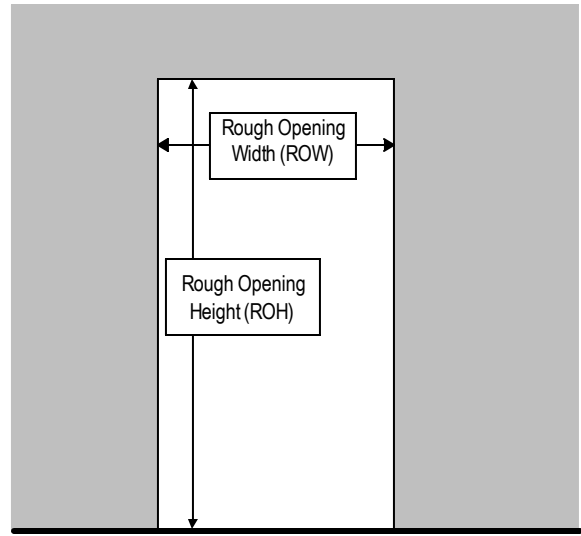
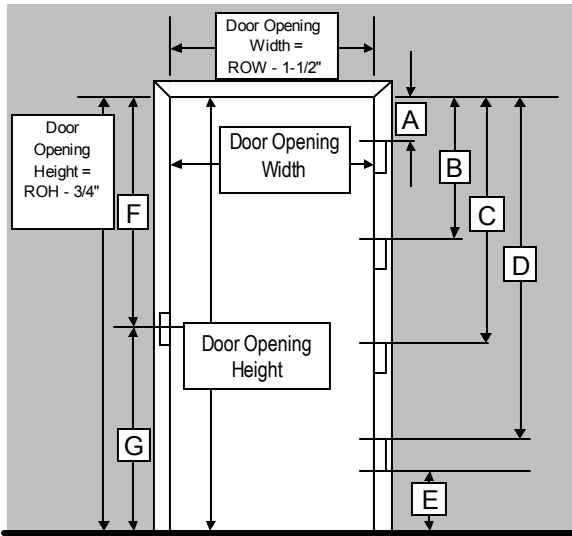
## Misc. Information

### STRIKE DETAILS (Not Supplied, Reference Only)

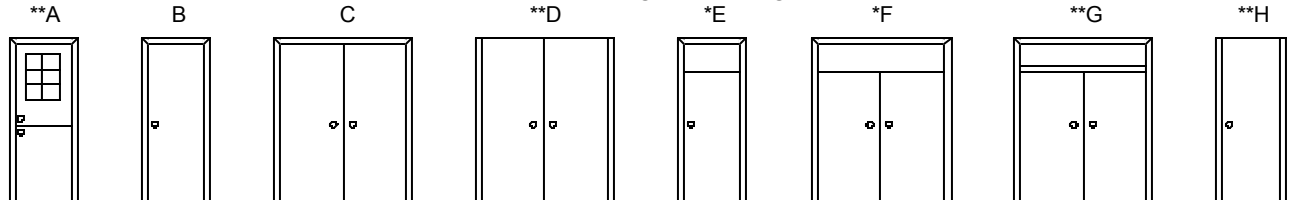


**NOTE:**  
C/L OF STRIKE PLATE DETERMINES C/L OF STRIKE PLATE KO  
REGARDLESS OF STRIKE PLATE LATCH OPENING

**NOTE:**  
TO DETERMINE LEFT OR RIGHT SWING, STAND WITH DOOR OPENING  
AWAY FROM YOU.

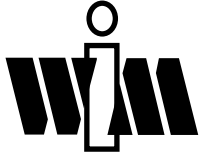


### DOOR TYPES ALL SERIES

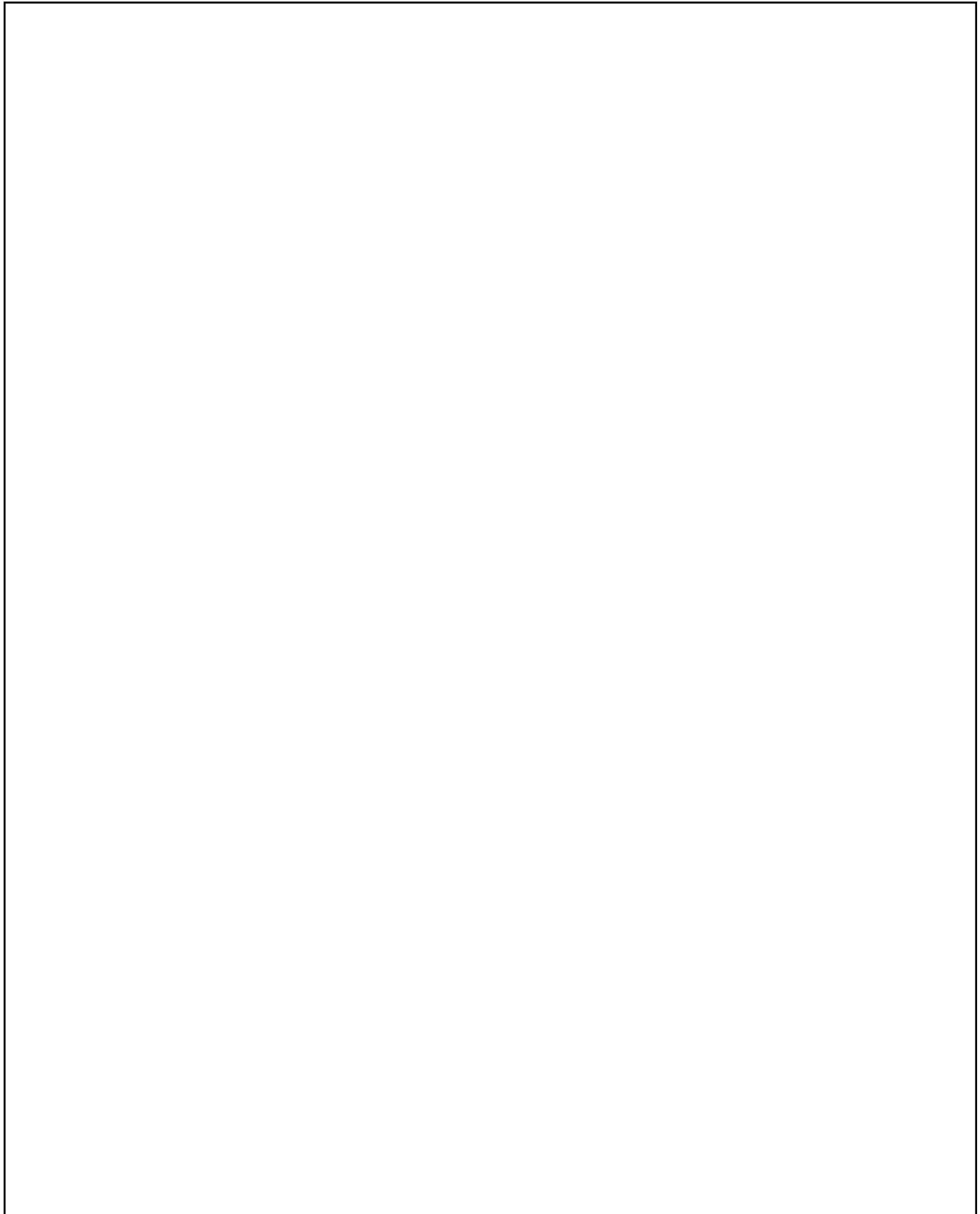


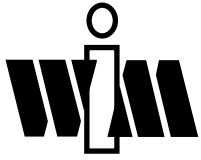
DUTCH DOOR    CONVENTIONAL (FULL HEIGHT)    PAIR DOORS WITH HEADER    PAIR DOORS NO HEADER    PANEL OVER (TRANSOM)    PAIR DOORS PANEL OVER TRANSOM    PAIR DOORS WITH HEADER AND TRANSOM    FULL HEIGHT NO HEADER

**NOTES:** \* Negative Pressure Rated w/wood above. \*\* Not rated.



# Western Integrated Materials, Inc.





# Western Integrated Materials, Inc.

## Door Frame Installation Instructions

1. Frames are fabricated to exact width specified and no clearance is built in.
2. Rough opening should be 1-1/2" wider than the desired width, 3/4" over in height.
3. Determine high side of floor and cut jambs to the required height. Be sure mute is pushed to top of jamb before cutting.
4. Check opening for proper swing, then slip header over the wall. (Fig. 1)
5. Hold jambs at an angle and slip the upper portion over the wall. Push upward to engage notch with door stop on header, then push the rest of the jamb over the wall. (Fig. 2)

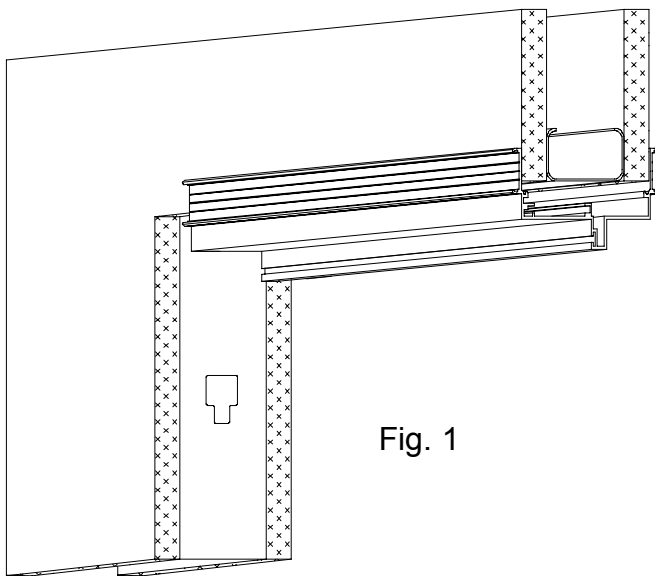


Fig. 1

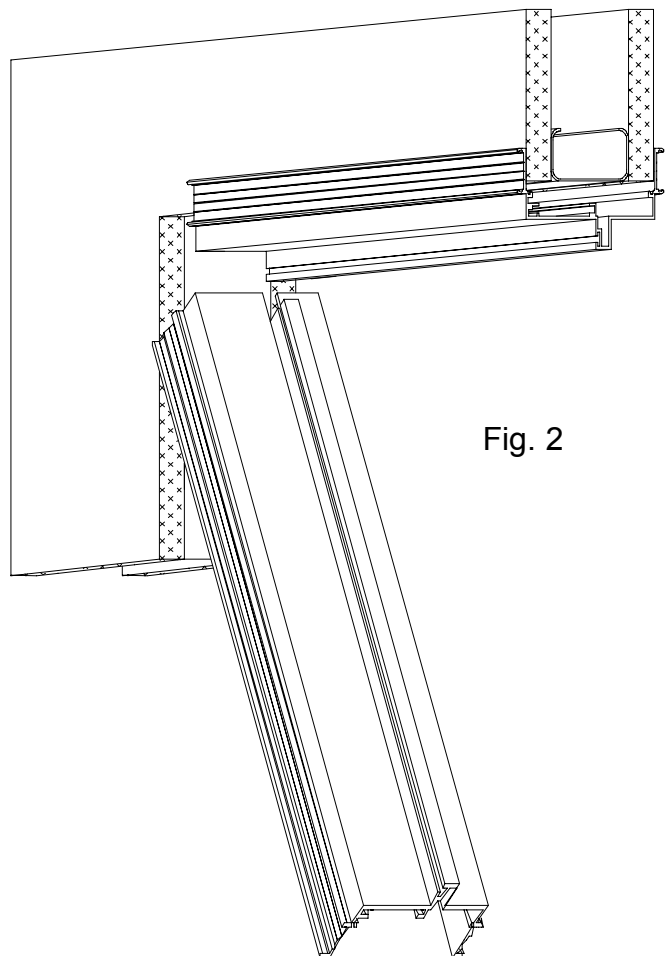


Fig. 2

6. Slide butt jamb down to finished floor. If carpet is to be laid, the base on which it is to be laid shall be considered the finished floor. For other floor coverings, (tile, etc.) the jamb should rest on removable spacers the same thickness as the flooring to be used.
7. Plumb butt side and secure to wall.



# Western Integrated Materials, Inc.

8. If door is premortised, hang prefit door and close into opening.
  - a.) If doors are not premortised, then use a square to attain a 90° corner between head & jambs. Head must butt up to vertical edge of clip (Fig. 3) and set flat in alignment groove (Fig. 4). You can then attach clips.
  - b.) Secure head to wall.
  - c.) Use same procedure for strike jamb.
9. Pull header down to door, allowing 1/8" spacing. Install corner clips (Fig. 3 & 4) and secure to wall.
10. Pull strike jamb into position and align with corner clips and door edge. Secure to wall.
11. If required, cut trim to length and, if necessary, make required notch at top of trim for clearance of clip and/or trim legs. Install trim. Trim should fit snugly. If there is any tendency to rattle, give full length a slight twist before installing.

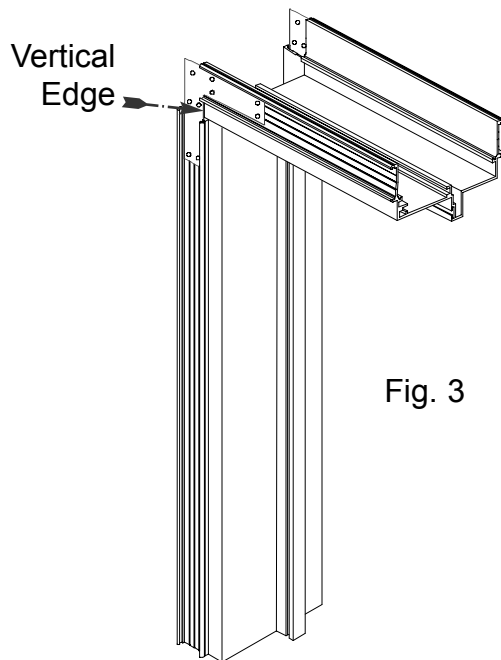


Fig. 3

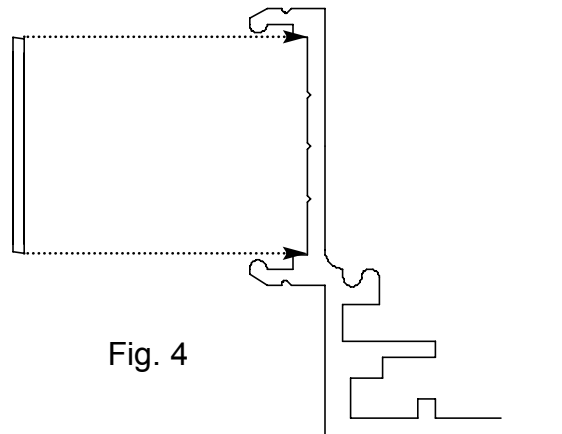


Fig. 4

S-76 Clip Alignment Groove

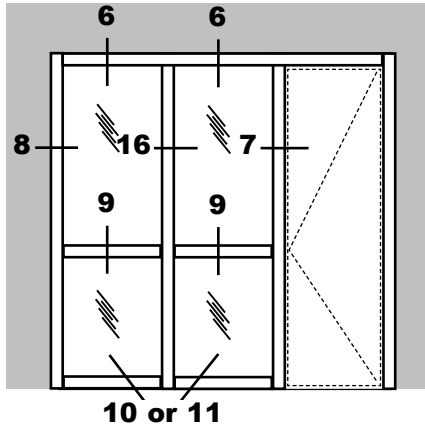
- CLEANING:** If necessary to clean the aluminum, use water with a mild detergent. No abrasive agents should be used.
- FASTENING:** Corner Clips (S-76) - 4 per frame.  
Use 1-1/2" #6 drywall screws (supplied by others). (4 per clip - 16 per frame)
- FASTENING DOOR FRAME:** Use 1-1/2" drywall screws (supplied by others). Screws should penetrate studs 1/2". Screw 2" from each end - 12" o.c. minimum.



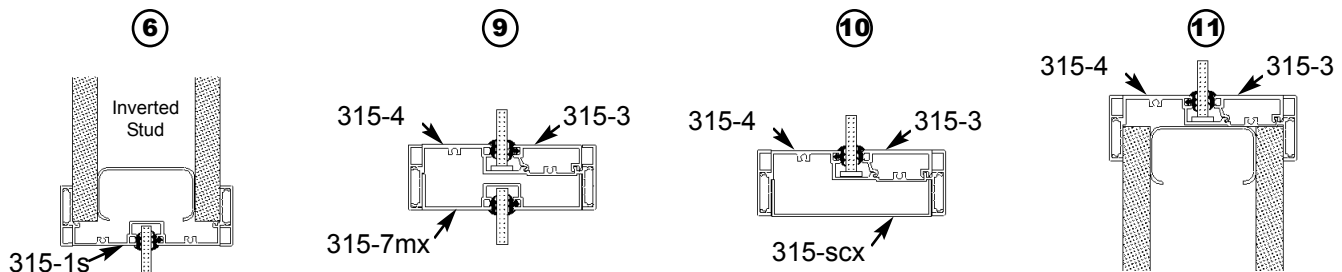
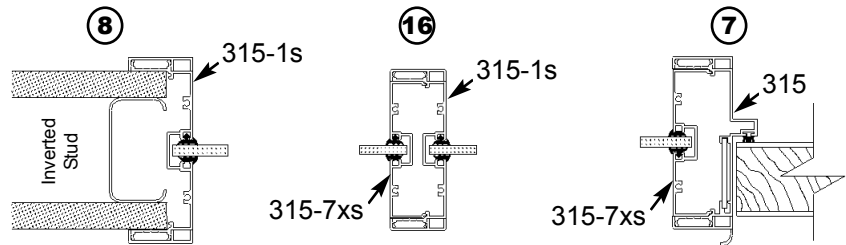


# Western Integrated Materials, Inc.

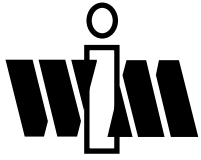
## Full Height to Drywall Sidelight Installation Instructions



**Special Note:** The stud at details 6 and 8 must be inverted so that the glass pocket will clear.

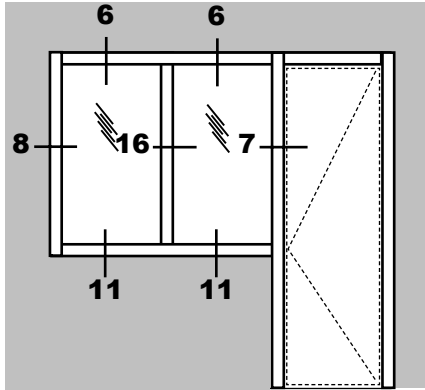


1. Install door frame as per door frame installation instructions omitting the S-76 clips in the corner adjacent to the sidelight.
2. Measure rough opening and cut verticals and glazing header to size. (see Fig. 1) Determine horizontal daylight opening dimensions and cut horizontal mulls and sill to daylight opening dimensions.
3. Pull vinyl into one side of each glazing section having a vinyl pocket. Ensure vinyl is faced correctly.
4. Install reglet into door frame jamb on the sidelight side and screw the two together every 12" o.c.
5. Align sidelight head with the door frame head and join together with a mullion clip each side. (see Fig.1) Bring the door frame/reglet jamb up under where the two heads meet. Align edge of clip with seam where the headers meet and check door opening for correct width. Fasten with mullion clips each side. (see Fig. 1)
6. Install the sidelight jamb, (see detail 8), by pushing it up beside the header. The vertical jambs all go to the floor. If there are vertical mullions, put them in the desired location and attach with mullion clips at the top. (see Fig. 1) Install floor track between the door frame/reglet jamb and the sidelight jamb or, if using vertical mulls, install between door frame/reglet jamb and vertical mull and between vertical mull and sidelight jamb. Place the sill over the floor track and secure with screws. Fasten the ends of the sill to the jambs with mullion clips. (see Fig. 1)
7. If there are horizontal muntins, put them at the desired height between the vertical mullions and fasten to vertical mullions with mullion clips at both ends. (see Fig. 1)
8. Make sure all sections are level and that the door frame and all components are level and square. Secure all around with drywall screws 12" o.c.
9. Install glass. If the sidelight is fire rated it will be reinforced with a steel channel at the door frame/ sidelight reglet. Install glass using silicone, then snap on the trim.
10. If sidelight is non-rated, roll in the vinyl and snap on the trim.



# Western Integrated Materials, Inc.

## Partial Height to Drywall Sidelight Installation Instructions



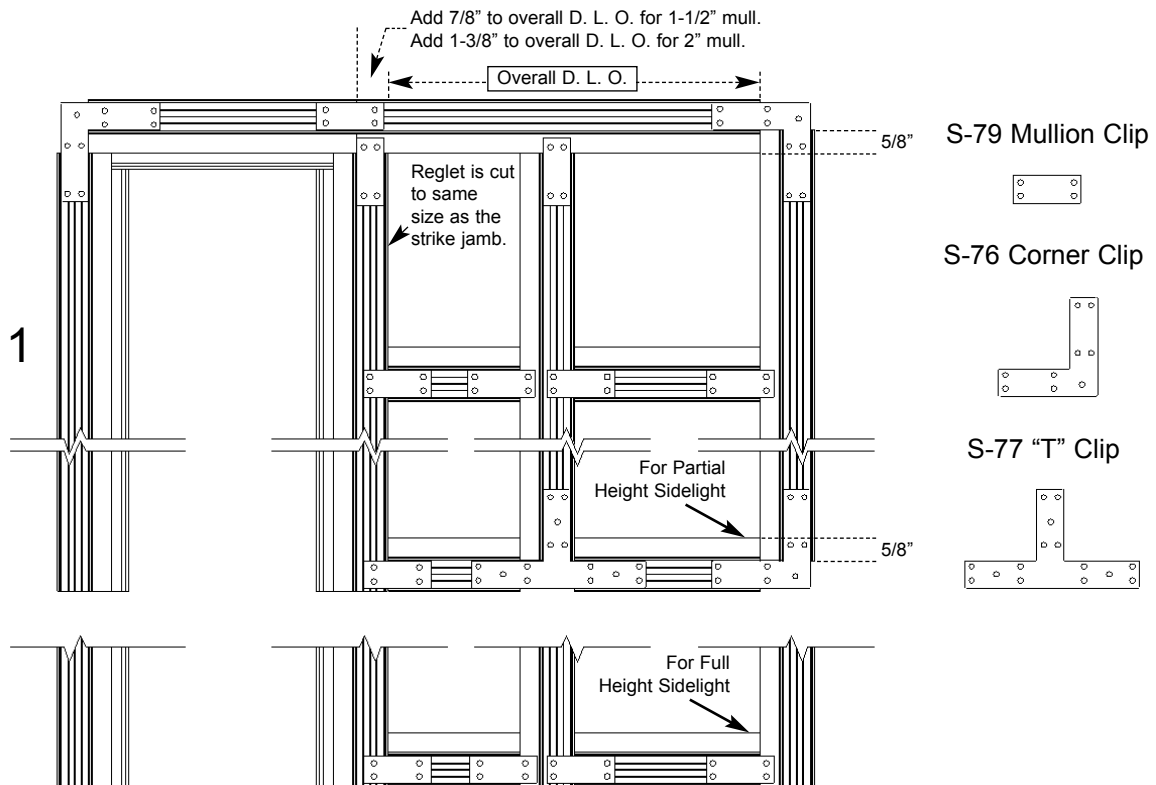
**See details on other side.**

1. Install door frame as per door frame installation instructions omitting the S-76 clips in the corner adjacent to the sidelight.
2. Pull vinyl into one side of each glazing section having a vinyl pocket.
3. Align sidelight head with the door frame head and join together with a mullion clip each side. (see Fig. 1)
4. Install reglet into door frame jamb on the sidelight side and screw the two together every 12" o.c.
5. Install sidelight jamb and push up beside the sidelight head.

Align top and bottom with S-76 corner clips placed in the trim bead of the vertical and horizontal sections. (see Fig. 1) Fasten the jamb with a few screws to hold in place.

6. If there are vertical mullions, put them in place and attach with mullion clips at top. (see Fig. 1)
7. Install the sill section(s) over the stub wall and fasten with clips and screws every 12" o.c. (see Fig. 1)
8. Make sure all sections are level and square and secure all around the unit with screws placed every 12" o.c.
9. If there are horizontal muntins, put them at the desired height and fasten with mullion clips at both sides. (see Fig. 1)
10. Install glass, put the snap-on section in place, roll in vinyl and snap the trim all around the unit.

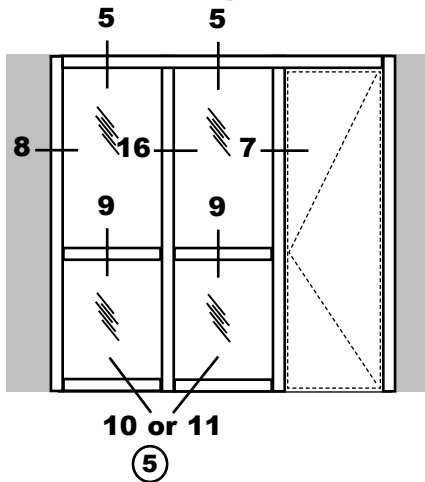
Fig. 1



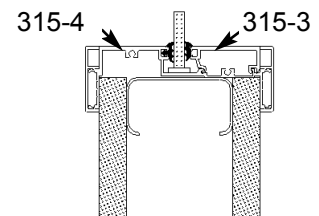
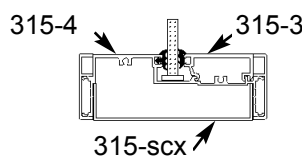
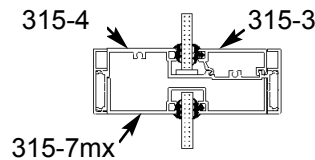
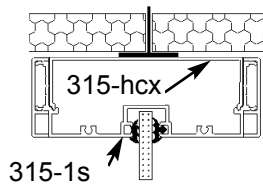
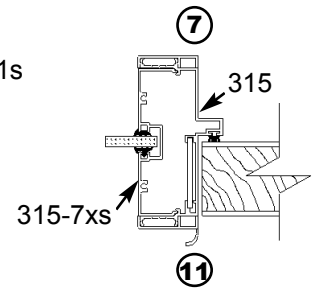
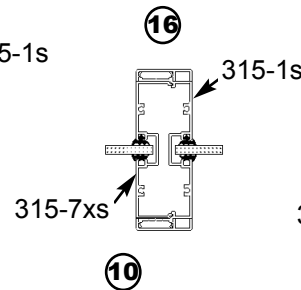
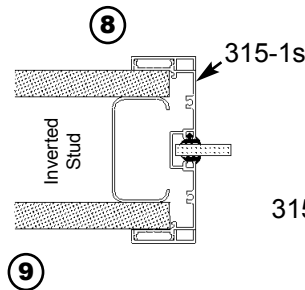


# Western Integrated Materials, Inc.

## Full Height to Ceiling Grid Sidelight Installation Instructions



**Special Notes:** The stud at detail 8 must be inverted so that the glass pocket will clear. Before installation of frame and glazing material, ensure that the ceiling grid is level and that the head channel is level and square.



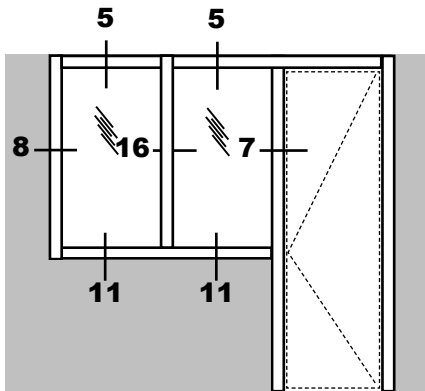
1. Install door frame as per door frame installation instructions omitting the S-76 clips in the corner adjacent to the sidelight.
2. Measure rough opening and cut verticals and glazing header to size. (see Fig. 1) Determine horizontal daylight opening dimensions and cut horizontal mullions and sill to daylight opening dimensions.
3. Pull vinyl into one side of each glazing section having a vinyl pocket. Ensure vinyl is faced correctly.
4. Install reglet into door frame jamb on the sidelight side and screw the two together every 12" o.c.
5. Align sidelight head with the door frame head and join together with a mullion clip each side. (see Fig. 1) Bring the door frame/reglet jamb up under where the two heads meet. Align edge of clip with seam where the headers meet and check door opening for correct width. Fasten with mullion clips each side. (see Fig. 1)
6. Install the sidelight jamb, (see detail 8), by pushing it up beside the header. The vertical jambs all go to the floor. If there are vertical mullions, put them in the desired location and attach with mullion clips at the top. (see Fig. 1) Install floor track between the door frame/reglet jamb and the sidelight jamb or, if using vertical mullions, install between door frame/reglet jamb and vertical mullion and between vertical mullion and sidelight jamb. Place the sill over the floor track and secure with screws. Fasten the ends of the sill to the jambs with mullion clips. (see Fig. 1)
7. If there are horizontal muntins, put them at the desired height between the vertical mullions and fasten to vertical mullions with mullion clips at both ends. (see Fig. 1)
8. Make sure all sections are level and that the door frame and all components are level and square. Secure all around with drywall screws 12" o.c.
9. Install glass. If the sidelight is fire rated it will be reinforced with a steel channel at the door frame/sidelight reglet. Install glass using silicone, then snap on the trim.
10. If sidelight is non-rated, roll in the vinyl and snap on the trim.



# Western Integrated Materials, Inc.

## Partial Height to Ceiling Grid Sidelight Installation Instructions

See details on other side.

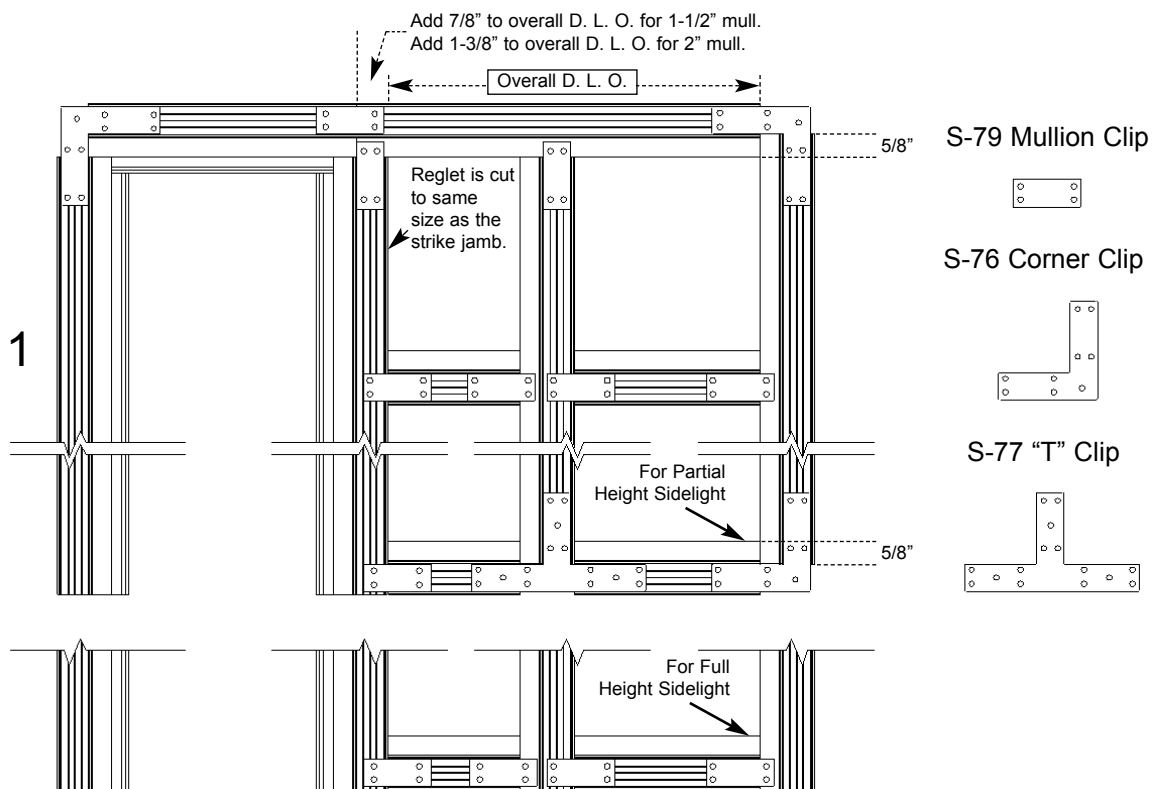


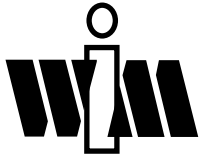
1. Install door frame as per door frame installation instructions omitting the S-76 clips in the corner adjacent to the sidelight.
2. Pull vinyl into one side of each glazing section having a vinyl pocket.
3. Align sidelight head with the door frame head and join together with a mullion clip each side. (see Fig. 1)
4. Install reglet into door frame jamb on the sidelight side and screw the two together every 12" o.c.
5. Install sidelight jamb and push up beside the sidelight head.

Align top and bottom with S-76 corner clips placed in the trim bead of the vertical and horizontal sections. (see Fig. 1) Fasten the jamb with a few screws to hold in place.

6. If there are vertical mullions, put them in place and attach with mullion clips at top. (see Fig. 1)
7. Install the sill section(s) over the stub wall and fasten with clips and screws every 12" o.c. (see Fig. 1)
8. Make sure all sections are level and square and secure all around the unit with screws placed every 12" o.c.
9. If there are horizontal muntins, put them at the desired height and fasten with mullion clips at both sides. (see Fig. 1)
10. Install glass, put the snap-on section in place, roll in vinyl and snap the trim all around the unit.

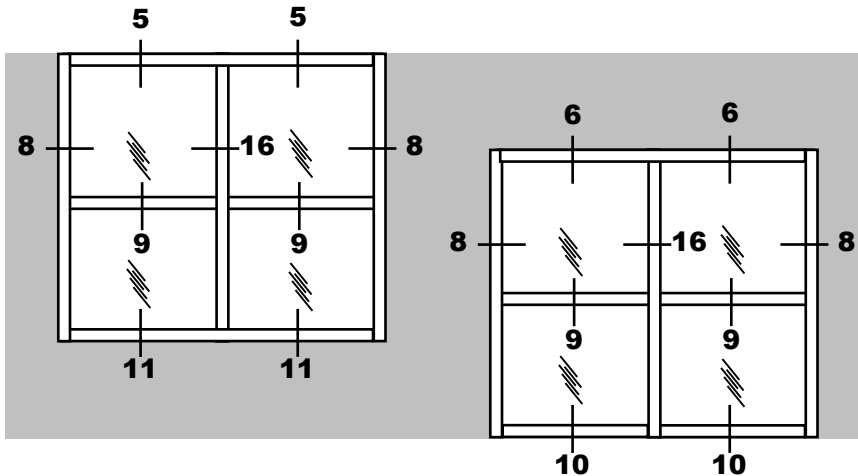
Fig. 1





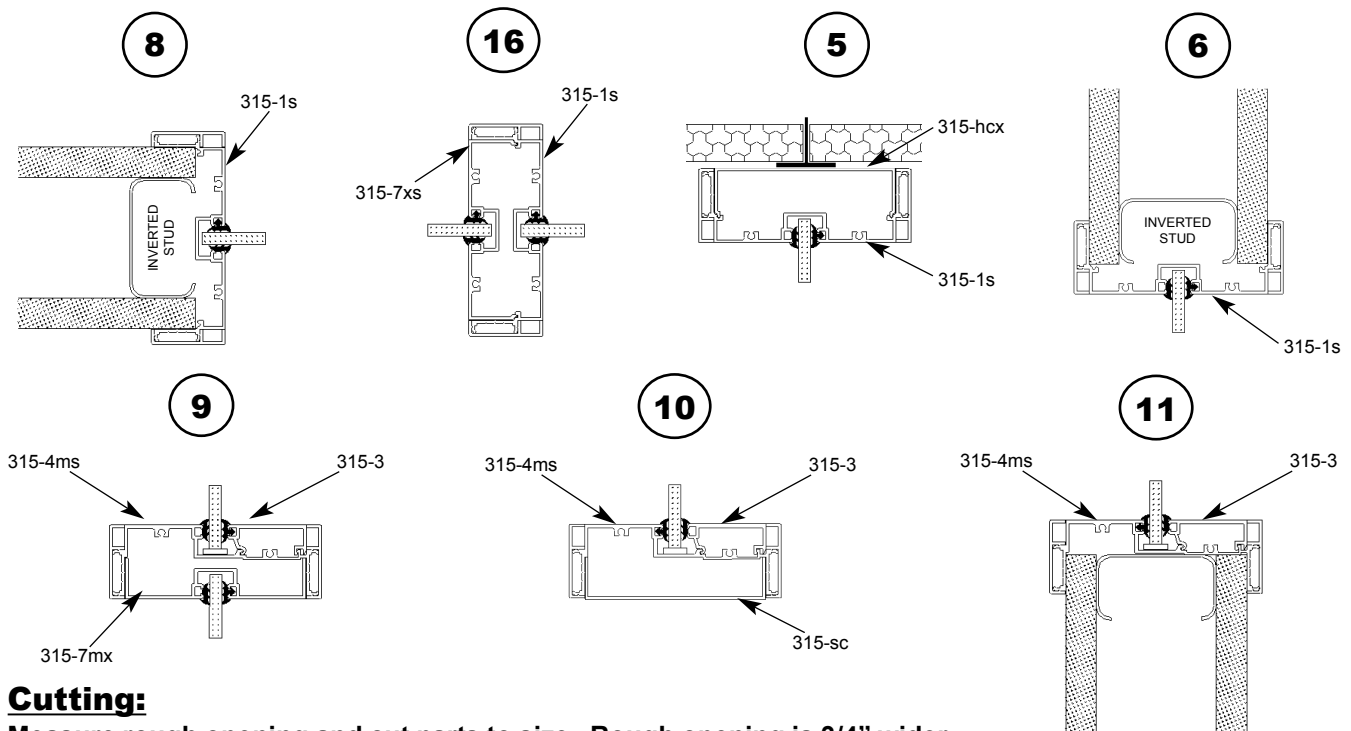
# Western Integrated Materials, Inc.

## Borrowed Light Installation Instructions



**Special Note:** If installing to ceiling grid (detail 5) ensure that the ceiling grid is level and that the head channel is level and square before installing glazing material.

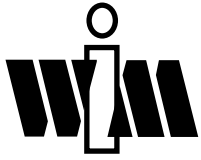
**DO NOT SECURE FRAME UNTIL ALL PARTS ARE SET IN PLACE.**



### Cutting:

Measure rough opening and cut parts to size. Rough opening is 3/4" wider per side. Horizontal mulls and sill are cut to daylight opening dimensions.

1. Start jamb over wall at head and swing bottom into place.
2. Repeat with second jamb.
3. Push head up over wall.
4. If included - now install vertical mullion. This is done by placing mullion at head in desired position and swinging bottom into place.
5. If going to floor, cut sill channel to size and install.
6. Set sill over wall or sill channel, level and secure in place.



# Western Integrated Materials, Inc.

Fig. 1

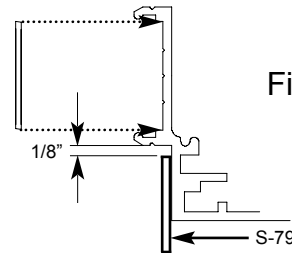
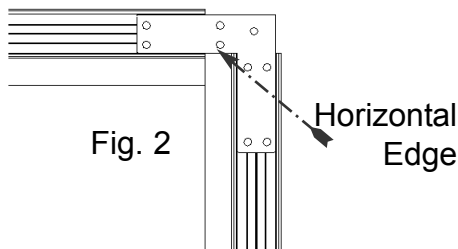
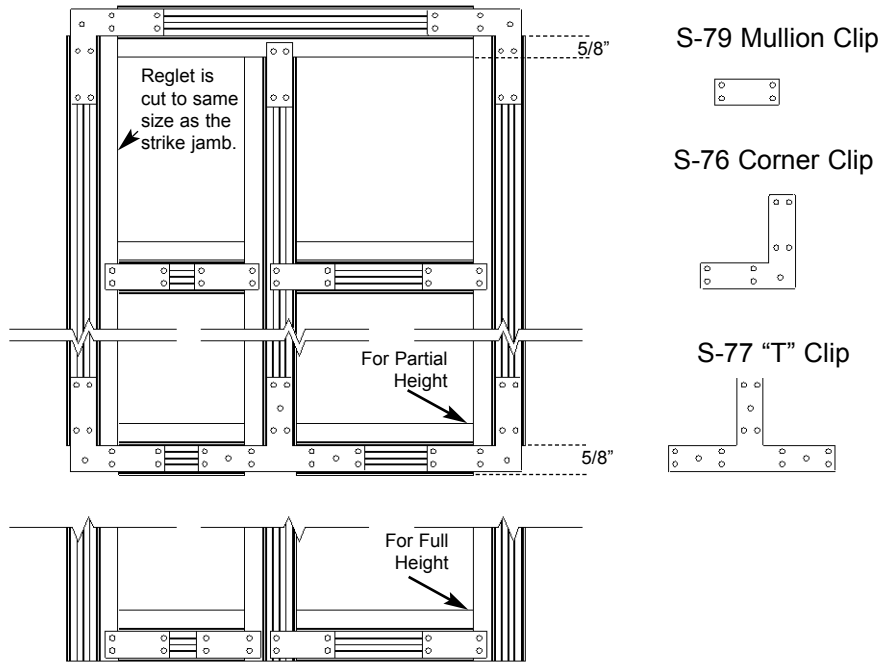


Fig. 3

S-76 & S-79 Clip Alignment Groove

7. Slide one jamb over to sill and use a square for a 90° at corner. Install clip as needed. (see Fig. 1) Clip must set flat in groove. (Fig. 3)
8. Repeat at head.
9. Locate and install vertical mullion and secure top and bottom with S-79 mullion clips. (see Fig. 1)
10. If included, now install horizontal mullions. Use square at jambs to have a 90° and attach both ends with S-79 mullion clips.
11. Set glass.
12. Install snap on stop.
13. Roll in vinyl.
14. Snap on trim.

**Special Note: Installing Mullion (Horizontal or Vertical)**  
**Mullion clips (S-79) are supplied. Hold end of clip 1/8" back from edge of trim retainer so trim can be installed continuously without notching. (Fig. 4)**

**CLEANING:** If necessary to clean the aluminum, use water with a mild detergent. No abrasive agents should be used.

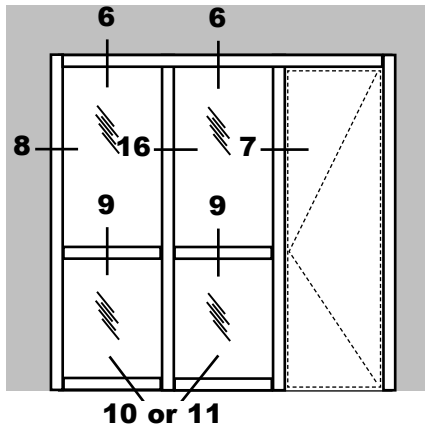
**FASTENING:** Corner Clips (S-76) - 4 per frame - 3 sided, 8 per frame - 4 sided. Use 1-1/2" #6 drywall screws. (4 per clip.)

**FASTENING DOOR FRAME:** Use 1-1/2" drywall screws. Screw 2" from each end - 12" o.c. minimum.



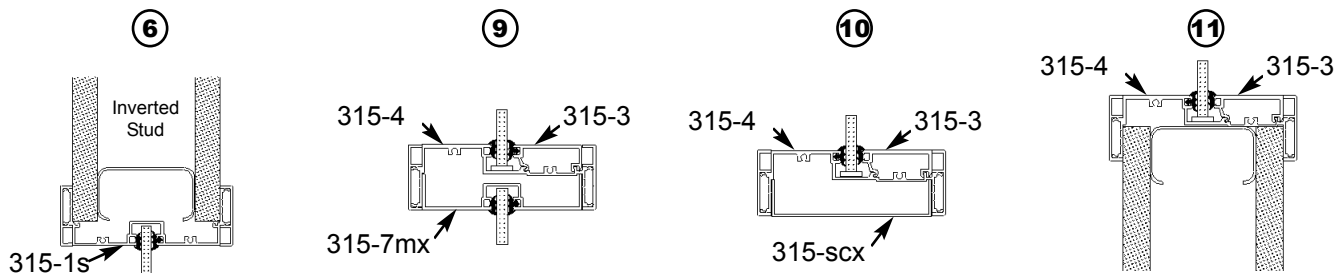
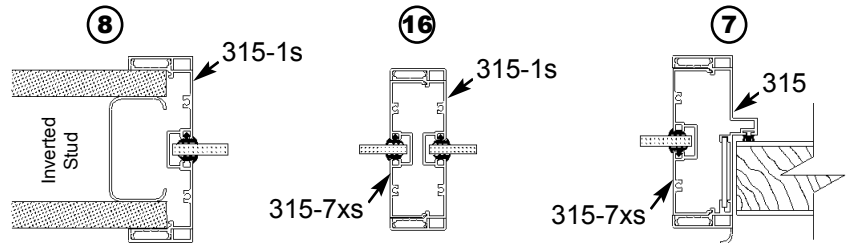
# Western Integrated Materials, Inc.

## Full Height to Drywall Sidelight Installation Instructions using the Western Integrated SCREW RACE system.

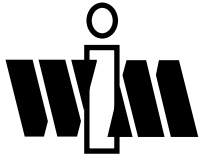


(Material supplied cut to a nominal length)

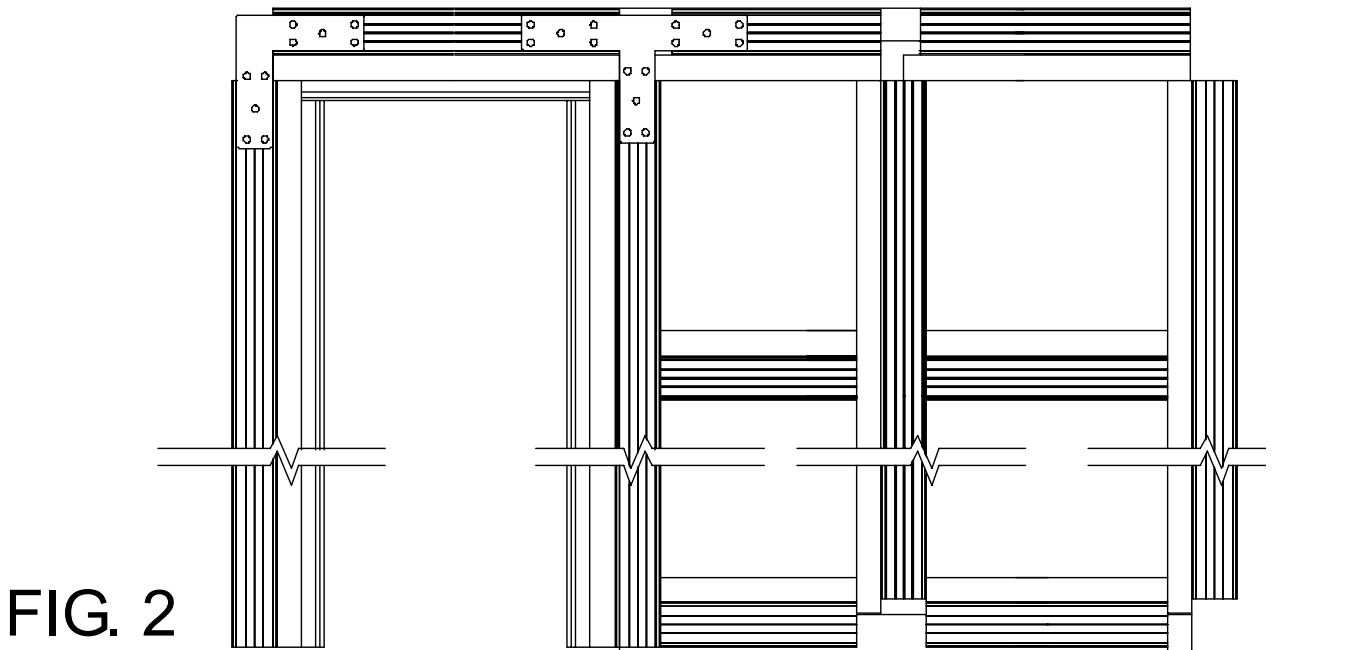
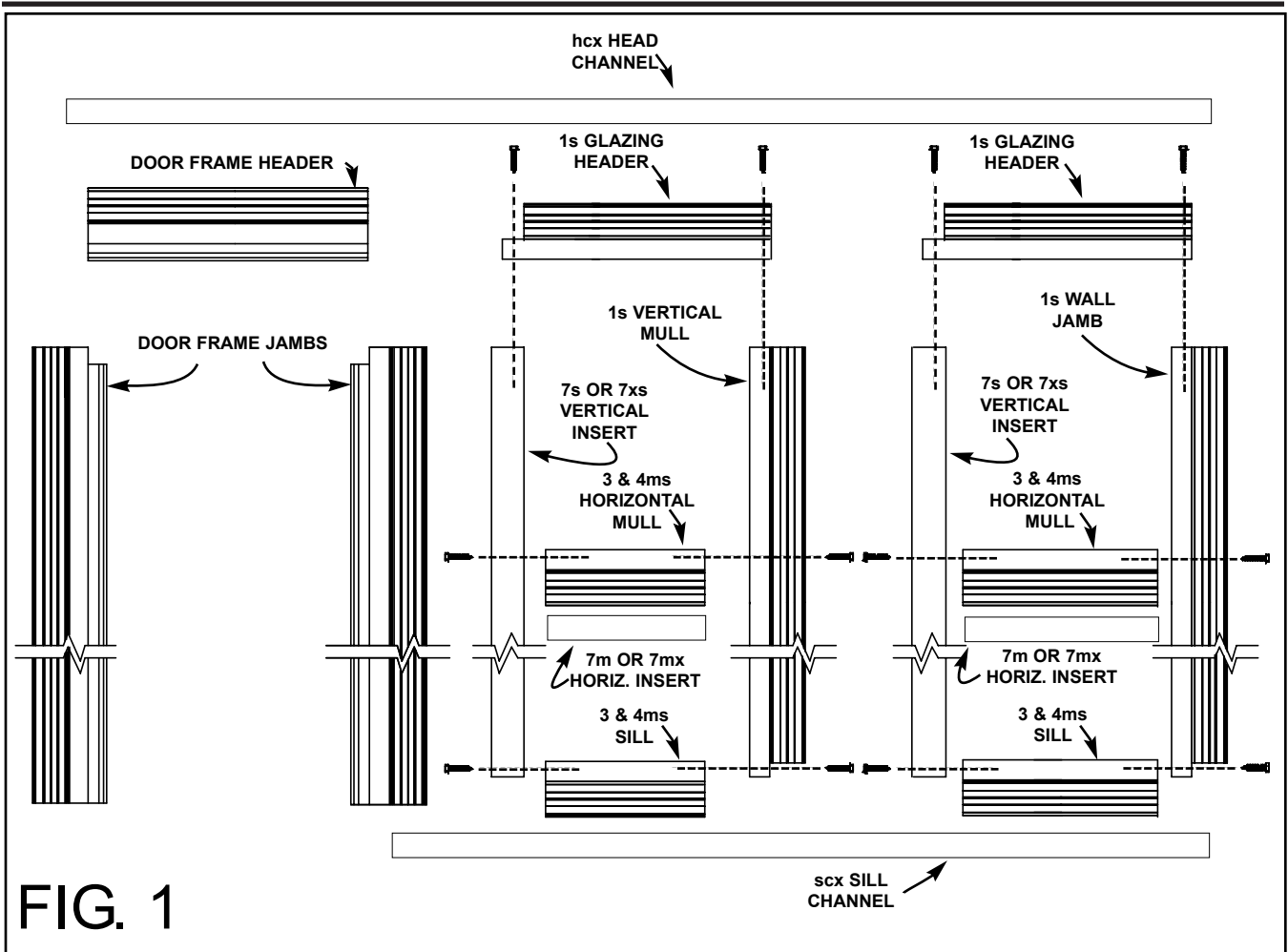
**Special Note:** The stud at details 6 and 8 must be inverted so that the glass pocket will clear.



1. Install sill channel (scx) to floor leaving the channel 3/4" long into the strike jamb. Shim sill channel if floor deflection is more than 3/8". Use positive anchor at the strike jamb.
2. Cut nominal length glass material to size: First, determine window DLO (Daylight Opening) sizes.  
 $DLO \text{ Height} = RO \text{ (Rough Opening) Height} - 3/4" - \text{Sill Height.}$   
 $DLO \text{ Width} = RO \text{ Width} - 1 1/2" - \text{Door Opening Size} - \text{Vertical Mull Width(s) / Window Quantity.}$   
 Cut vertical mull(s) (if any) and wall jamb and vertical insert(s) (if any), (do not cut 4-hole punched end), to  $DLO \text{ Height} + 3/4"$ .  
 Cut Base and Horizontal mull(s) (if any) to  $DLO \text{ Width}$ . Cut Glazing Header(s), (do not cut 2-hole punched end), to  $DLO \text{ Width} + 1"$ . Drill 2 holes in cut end of Glazing Header(s) using supplied template.
3. If using Horizontal Mull(s): Determine location of top of mull on verticals and mark a line 1/4" above this point. Align supplied template to this line and drill holes as required. Note: you will be using a 4-hole pattern but only need to drill opposite corners as needed to align with Horizontal Mull Base. Assemble Horizontal Mull Insert to Horizontal Mull Base.
4. If overall width of each individual preassembled window is equal to or less than door opening size, then preassemble window (see fig. 1) on the floor and install in door opening side and slide unit over the sill channel to the proper location. Continue till all windows are in place.
5. If overall width of each individual preassembled window is greater than the door opening size then assemble window header and horizontal mulls, if any, to verticals and cam window into opening leaving room to screw base on in the opening. Install base and slide unit over into place. Continue with remaining windows.
6. K D door frame into opening and plum level and square frame. Attach to wall and pin bottom of strike jamb to sill channel. Attach corner clips at top. (see fig. 1)
7. Pull sidelight units back to strike jamb, level at the top and screw to strike jamb. Attach "T"-clip at top of strike (see fig. 2)Continue if multiple sidelights.



# Western Integrated Materials, Inc.



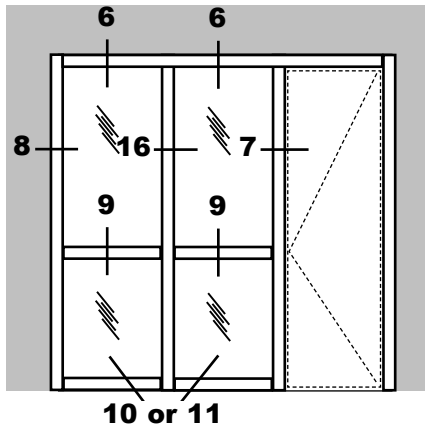




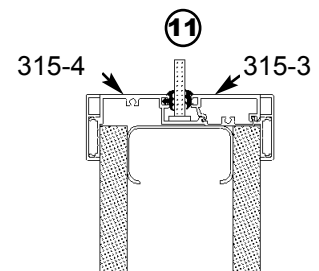
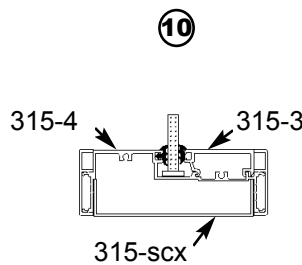
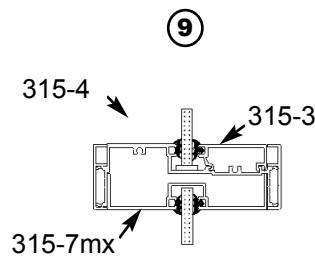
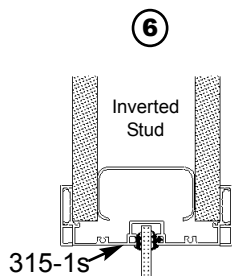
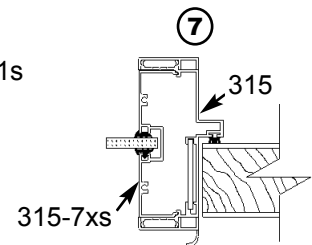
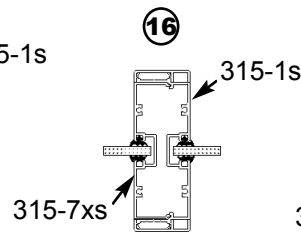
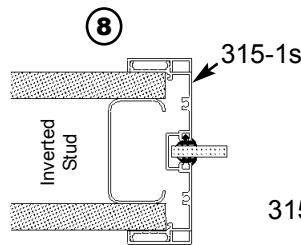
# Western Integrated Materials, Inc.

## Full Height to Drywall Sidelight Installation Instructions using the Western Integrated SCREW RACE system.

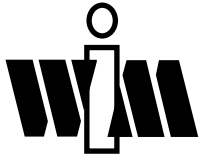
(Material supplied cut to exact length)



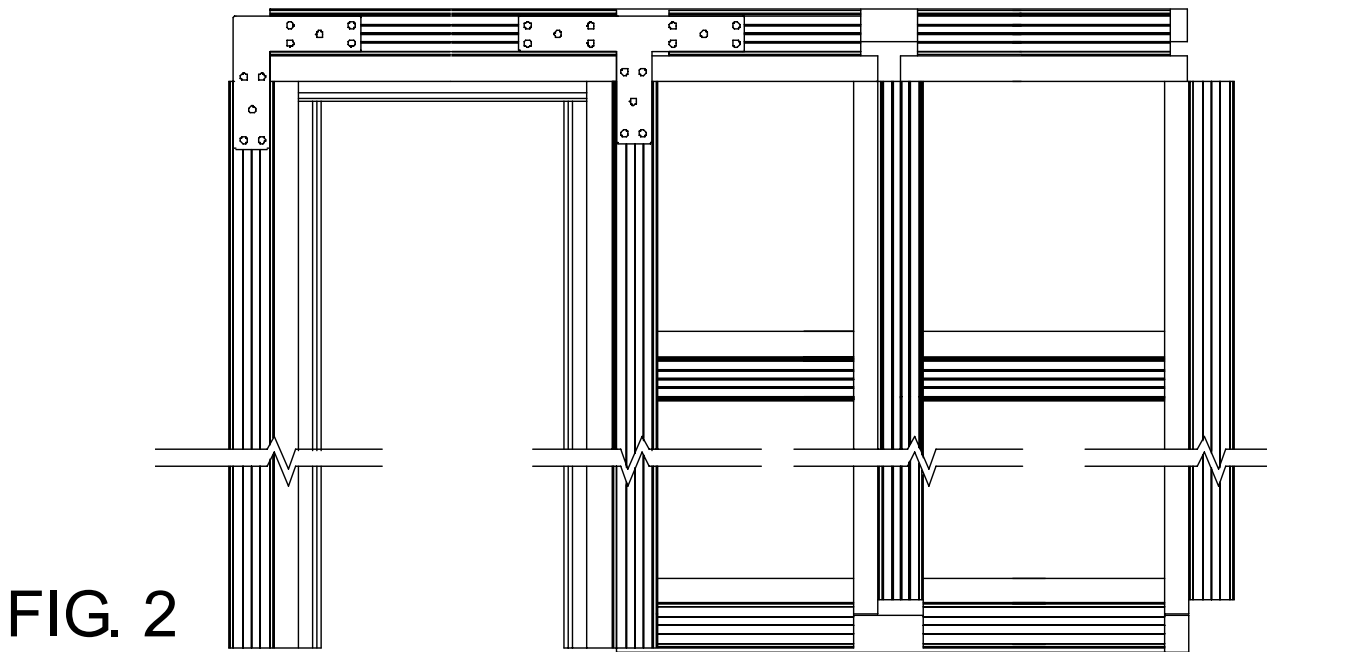
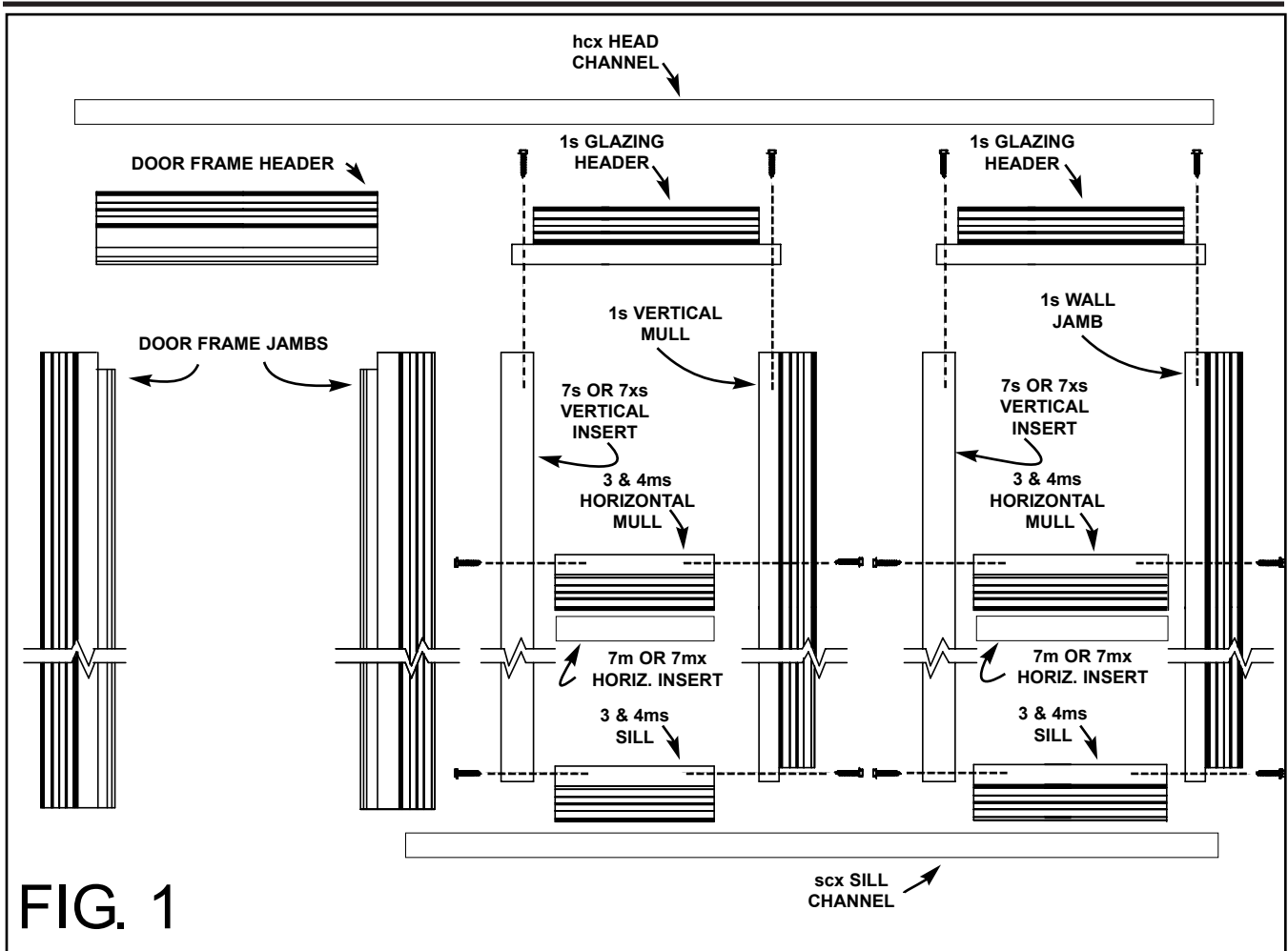
**Special Note:** The stud at details 6 and 8 must be inverted so that the glass pocket will clear.



1. Install sill channel (scx) to floor leaving the channel 3/4" long into the strike jamb. Shim sill channel if floor deflection is more than 3/8". Use positive anchor at the strike jamb.
2. If using Horizontal Mulls: Determine location of top of mull on verticals and mark a line 1/4" above this point. Align supplied template to this line and drill holes as required. Note: you will be using a 4-hole pattern but only need to drill opposite corners as needed to align with Horizontal Mull Base. Assemble Horizontal Mull Insert to Horizontal Mull Base.
3. If overall width of each individual preassembled window is equal to or less than door opening size, then preassemble window (see fig. 1) on the floor and install in door opening side and slide unit over the sill channel to the proper location. Continue until all windows are in place.
4. If overall width of each individual preassembled window is greater than the door opening size then assemble window header and horizontal mulls, if any, to verticals and cam window into opening leaving room to screw base on in the opening. Install base and slide unit over into place. Continue with remaining windows.
5. K D door frame into opening and plum level and square frame. Attach to wall and pin bottom of strike jamb to sill channel. Attach corner clips at top. (see fig. 1)
6. Pull sidelight units back to strike jamb, level at the top and screw to strike jamb. Attach "T"-clip at top of strike (see fig. 2) Continue if multiple sidelights.



# Western Integrated Materials, Inc.



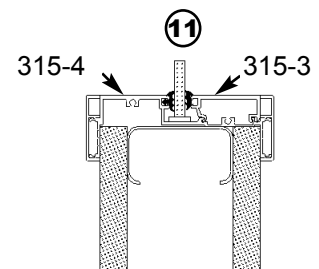
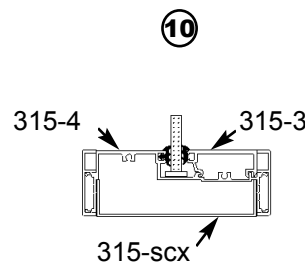
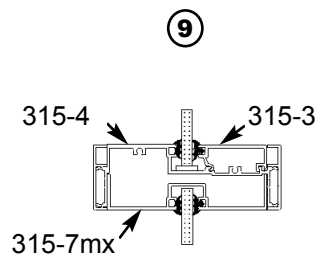
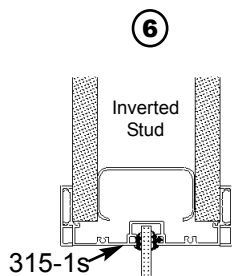
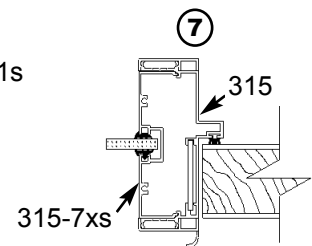
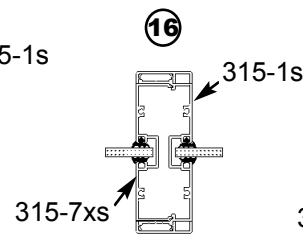
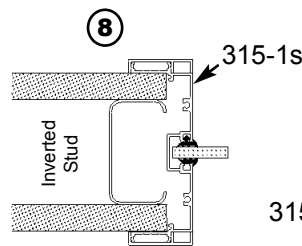
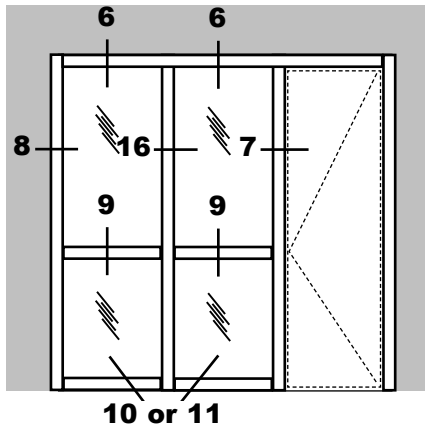


# Western Integrated Materials, Inc.

## Full Height to Drywall Sidelight Installation Instructions using the Western Integrated SCREW RACE system.

(Material supplied horizontal cut to exact length and verticals cut to nominal length)

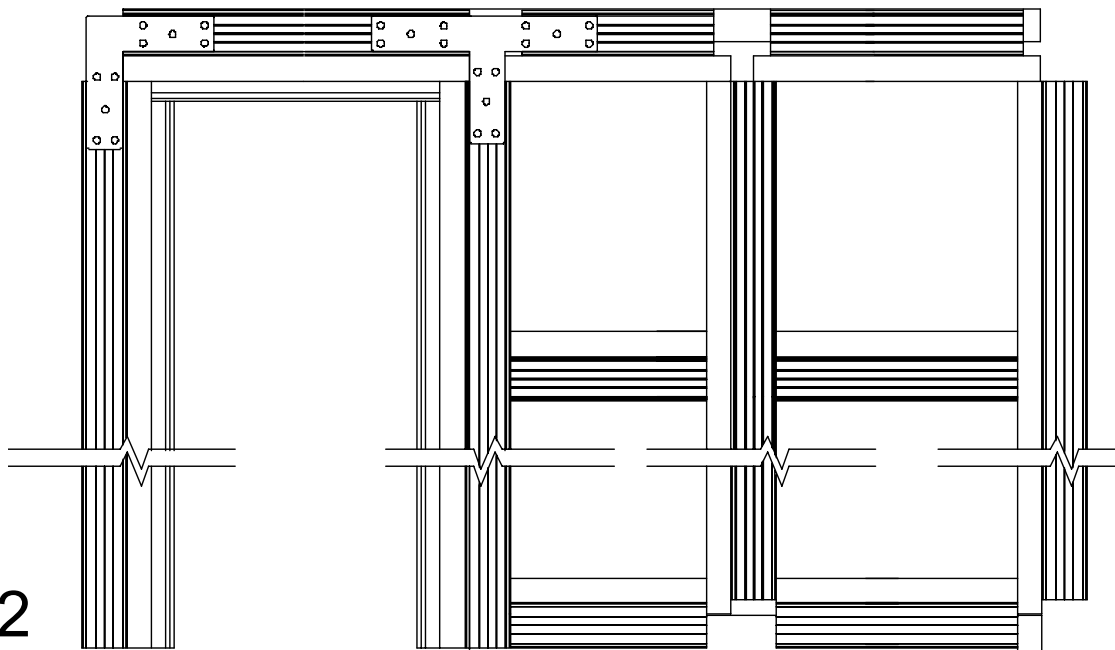
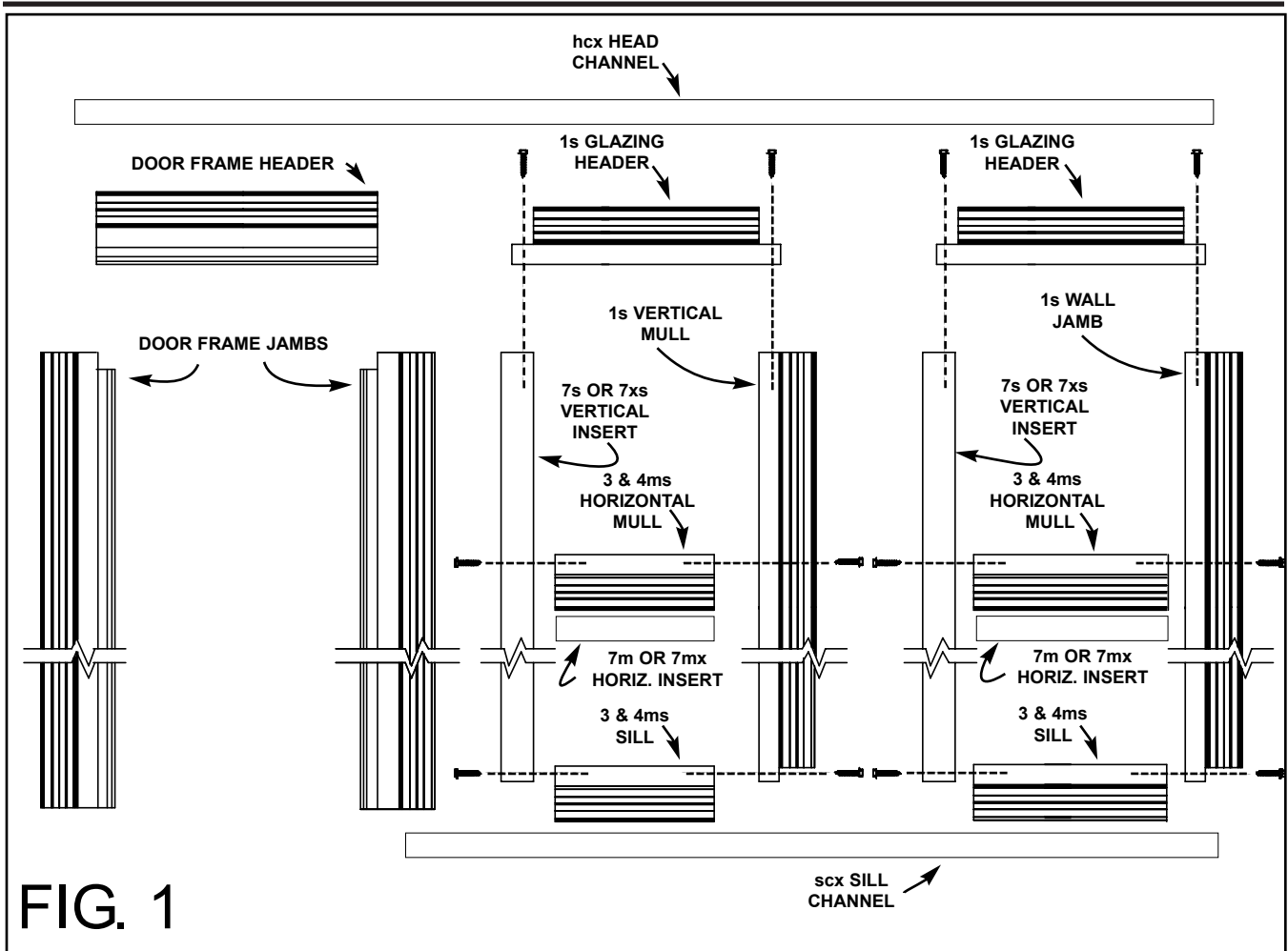
**Special Note:** The stud at details 6 and 8 must be inverted so that the glass pocket will clear.

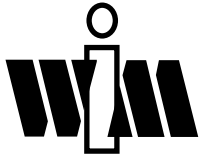


1. Install sill channel (scx) to floor leaving the channel 3/4" long into the strike jamb. Shim sill channel if floor deflection is more than 3/8". Use positive anchor at the strike jamb.
2. Cut nominal length vertical glass material to size: First, determine window DLO (Daylight Opening) sizes.  $DLO \text{ Height} = RO \text{ (Rough Opening) Height} - 3/4" - \text{Sill Height}$ .  
Cut vertical mull(s) (if any) and wall jamb and vertical inserts, (do not cut 4-hole punched end), to  $DLO \text{ Height} + 3/4"$ .
3. If using Horizontal Mulls: Determine location of top of mull on verticals and mark a line 1/4" above this point. Align supplied template to this line and drill holes as required. Note: you will be using a 4-hole pattern but only need to drill opposite corners as needed to align with Horizontal Mull Base. Assemble Horizontal Mull Insert to Horizontal Mull Base.
4. If overall width of each individual preassembled window is equal to or less than door opening size, then preassemble window (see fig. 1) on the floor and install in door opening side and slide unit over the sill channel to the proper location. Continue till all windows are in place.
5. If overall width of each individual preassembled window is greater than the door opening size then assemble window header and horizontal mulls, if any, to verticals and cam window into opening leaving room to screw base on in the opening. Install base and slide unit over into place. Continue with remaining windows.
6. K D door frame into opening and plum level and square frame. Attach to wall and pin bottom of strike jamb to sill channel. Attach corner clips at top. (see fig. 1)
7. Pull sidelight units back to strike jamb, level at the top and screw to strike jamb. Attach "T"-clip at top of strike (see fig. 2) Continue if multiple sidelights.



# Western Integrated Materials, Inc.





# Western Integrated Materials, Inc.

## 90 Minute Door Frame Installation Instructions

1. Frames are fabricated to exact width specified and no clearance is built in.
2. Rough opening should be 1-1/2" wider than the desired width, 3/4" over in height.
3. Determine high side of floor and cut jambs to the required height. Be sure mite is pushed to top of jamb before cutting.
4. Check opening for proper swing, then slip header over the wall. (Fig. 1)
5. Hold jambs at an angle and slip the upper portion over the wall. Push upward to engage header, then push the rest of the jamb over the wall. (Fig. 2)

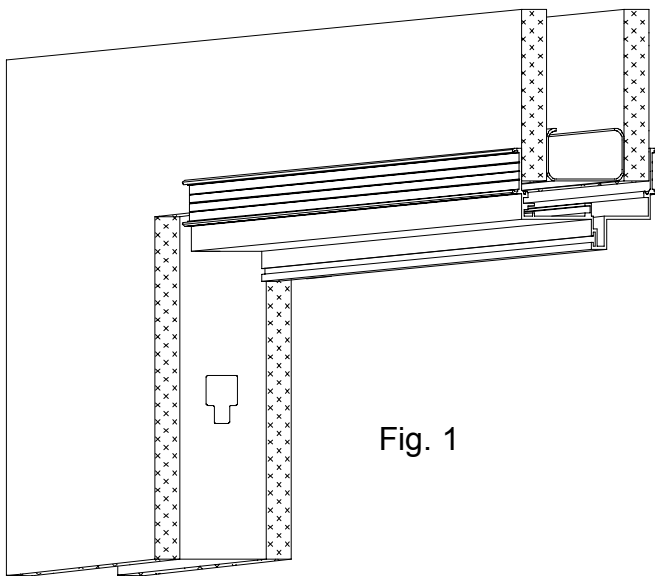


Fig. 1

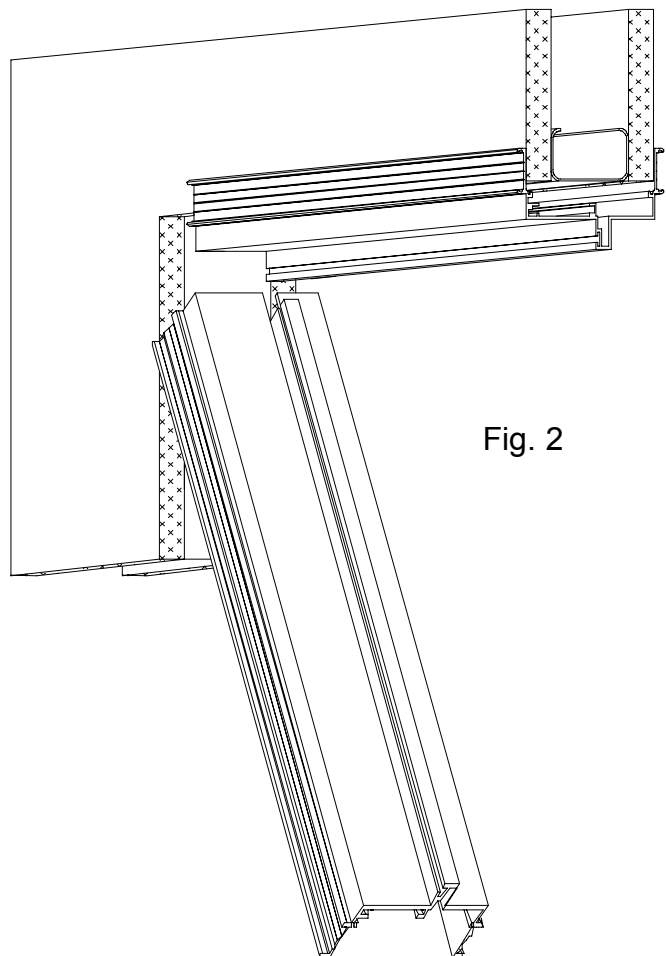


Fig. 2

### PLEASE NOTE:

The illustrations shown in these instructions do not show the steel backer channel that comes pre-attached to the frame members.

6. Slide butt jamb down to finished floor. If carpet is to be laid, the base on which it is to be laid shall be considered the finished floor. For other floor coverings, (tile, etc.) the jamb should rest on removable spacers the same thickness as the flooring to be used.
7. Plumb butt side and secure to wall.



# Western Integrated Materials, Inc.

8. If door is premortised, hang prefit door and close into opening.
  - a.) If doors are not premortised, then use a square to attain a 90° corner between head & jambs. Head must butt up to vertical edge of clip (Fig. 3) and set flat in alignment groove (Fig. 4). You can then attach clips with #8 x 3/4" Tek screws.
  - b.) Secure head to wall.
  - c.) Use same procedure for strike jamb.
9. Pull header down to door, allowing 1/8" spacing. Install corner clips (Fig. 3 & 4) and secure to wall.
10. Pull strike jamb into position and align with corner clips and door edge. Secure to wall.
11. If required, cut trim to length and, if necessary, make required notch at top of trim for clearance of clip and/or trim legs. Install trim. Trim should fit snugly. If there is any tendency to rattle, give full length a slight twist before installing.

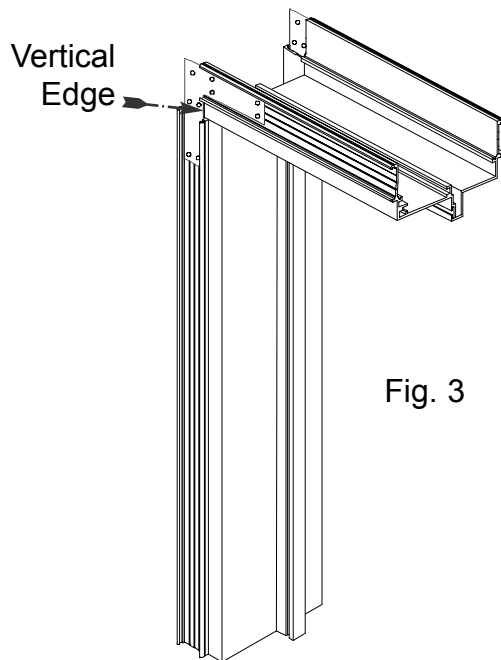


Fig. 3

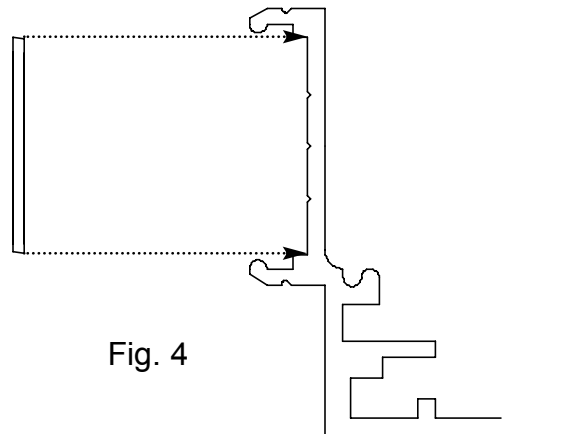
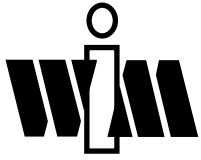


Fig. 4

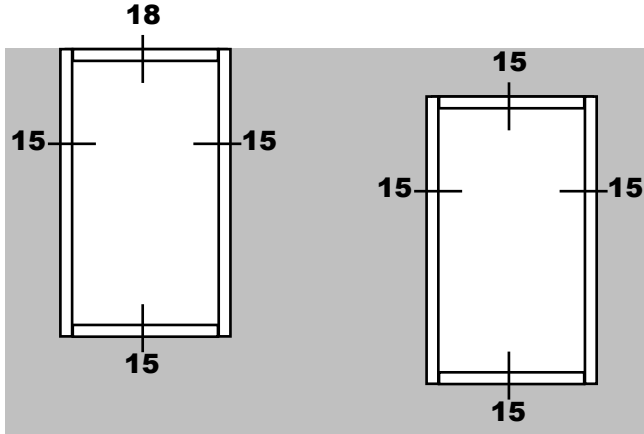
S-76 Clip Alignment Groove

- CLEANING:** If necessary to clean the aluminum, use water with a mild detergent. No abrasive agents should be used.
- FASTENING:** Corner Clips (S-76) - 4 per frame.  
Use 3/4" #8 Tek screws (supplied by others). (4 per clip - 16 per frame)
- FASTENING DOOR FRAME:** Use 2" drywall screws (supplied by others) in each predrilled hole. Screws should penetrate studs 1/2".



# Western Integrated Materials, Inc.

## 4 Sided Cased Opening Installation Instructions

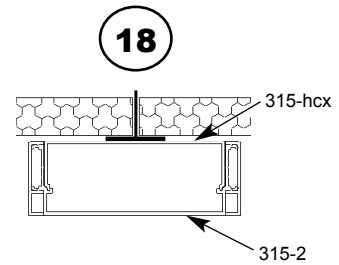


Cased Opening to Ceiling Grid

Cased Opening to Drywall

### Special Note:

If installing to ceiling grid (detail 18) ensure that the ceiling grid is level and that the head channel is level and square before installing casing material.

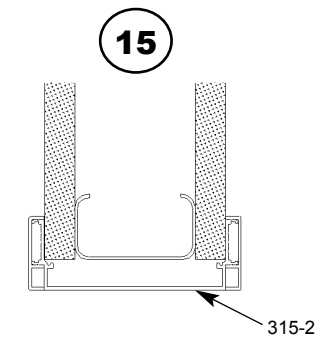


### Special Note:

**DO NOT SECURE FRAME UNTIL ALL PARTS ARE SET IN PLACE.**

### Cutting:

Measure rough opening and cut parts to size. Rough opening is 3/4" wider per side. Horizontals are cut to daylight opening dimensions.



1. Start jamb over wall at head and swing bottom into place. (Fig. 1)
2. Repeat with second jamb.
3. Set sill over wall.
4. Push head up over wall.
5. Level sill & secure in place.
6. Push one jamb up to sill and use a square for a 90° corner. Horizontal edge of jamb must line up with horizontal edge of clip. (Fig. 2) Clip must set flat in groove. (Fig. 3)
7. Repeat for second jamb.
8. Repeat for top of jambs to head, check for 90° at corners and secure in place. (Fig. 3)
9. Snap on trim.

Fig. 1

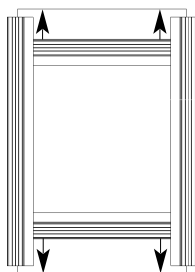


Fig. 2

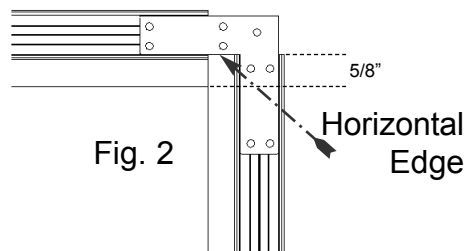
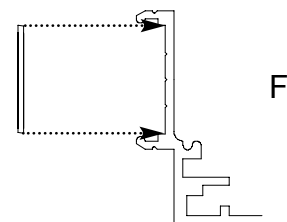


Fig. 3

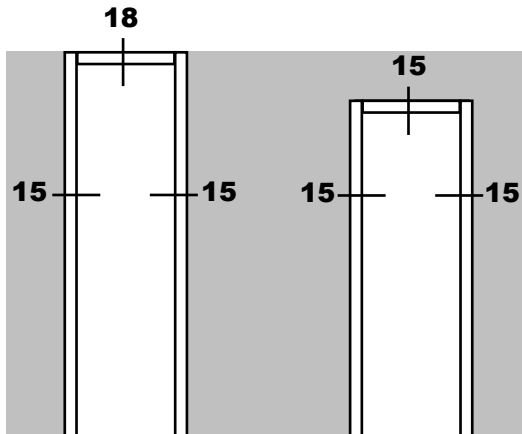


S-76 Clip Alignment Groove



# Western Integrated Materials, Inc.

## 3 Sided Cased Opening Installation Instructions



### Special Note:

If installing to ceiling grid (detail 18) ensure that the ceiling grid is level and that the head channel is level and square before installing casing material.

### Special Note:

**DO NOT SECURE FRAME UNTIL ALL PARTS ARE SET IN PLACE.**

### Cutting:

Measure rough opening and cut parts to size. Rough opening is 3/4" wider per side.

1. Start jamb over wall at head and swing bottom into place. (Fig. 4)
2. Repeat with second jamb.
3. Push head up over wall.
4. Plumb one jamb and secure in place.
5. Pull head to jamb. Check corner for 90°. Horizontal edge of jamb must line up with horizontal edge of clip. (Fig. 2) Clip must set flat in groove. (Fig. 3)
6. Slide other jamb over into position and line up as above. Plumb and secure in place. (Fig. 5)
7. Snap on trim.

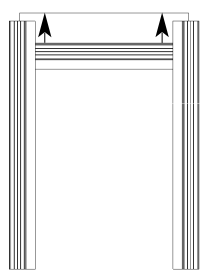
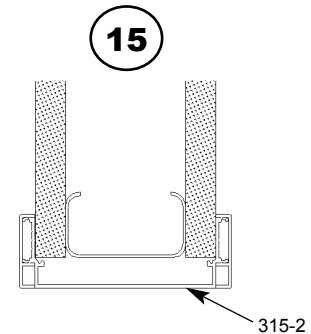
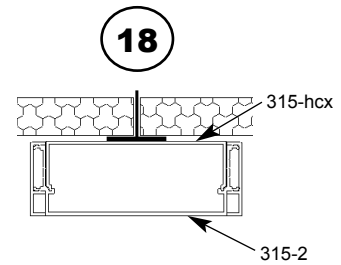


Fig. 4

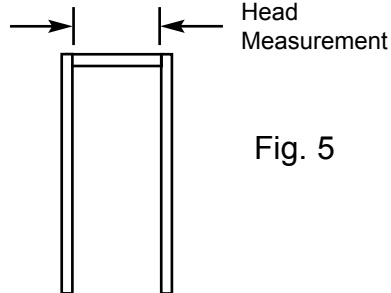


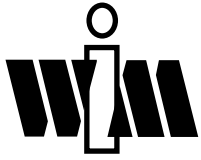
Fig. 5

**CLEANING:** If necessary to clean the aluminum, use water with a mild detergent. No abrasive agents should be used.

**FASTENING:** Corner Clips (S-76) - 4 per frame - 3 sided, 8 per frame - 4 sided. Use 1-1/2" #6 drywall screws. (4 per clip.)

**FASTENING DOOR FRAME:** Use 1-1/2" drywall screws Screw 2" from each end - 12" o.c. minimum.

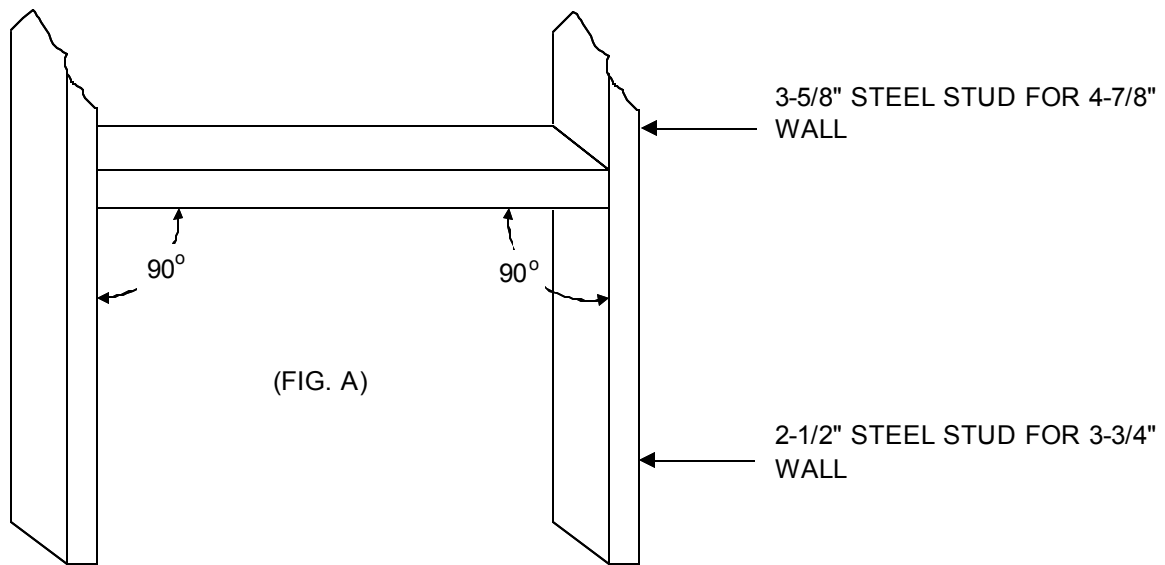




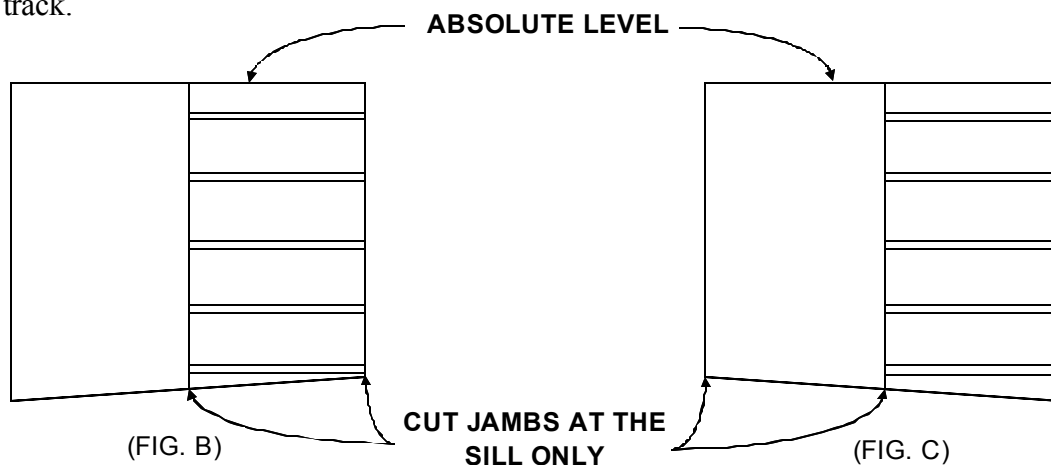
## Pocket Frame Installation Instructions

**IMPORTANT: THIS PAGE SUPERSEDES HARDWARE PACKAGE !!!**

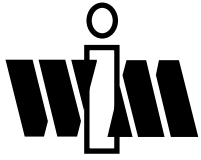
1. All framing must be square (Fig. A) and be the proper dimensions.



If for any reason your floor is not level, the jamb must be trimmed at the base (Fig. B & C). The header must always remain level. This is because the door hangs and rolls on the top track.

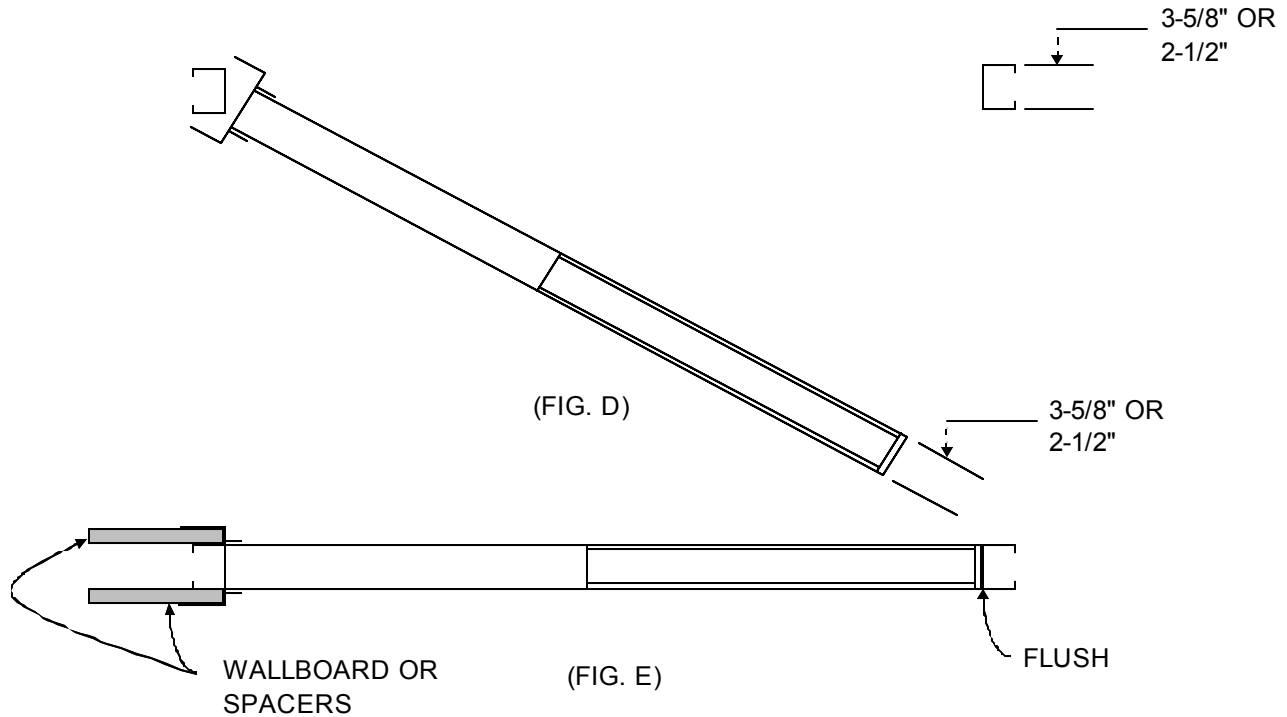


2. All framing must be with steel studs. **NOT FLOOR TRACK !**
3. **IMPORTANT:** INSTALL ROLLERS ONTO TRACK. THIS MUST BE COMPLETED BEFORE FRAME IS INSTALLED IN OPENING

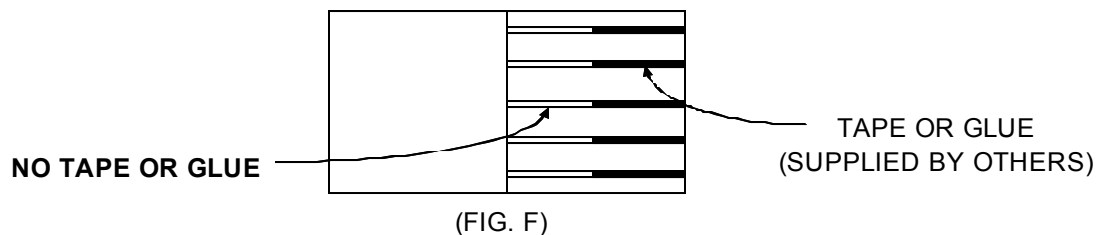


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4. Slip exposed jamb over steel stud (FIG. D) & swing pocket end into place. (FIG. E)



5. To center exposed jamb, you must either now install drywall or use dummy spacers (Fig. E). Wall Frame work and pocket frame work will flush out.
6. You can now secure frame by screwing through jambs and header.
7. Install hanger plate to top of door. (See Hardware Instructions.)
8. Hang door on rollers. (See Hardware Instructions.)
9. To attach wall board to steel horizontal ribs, use double stick tape or glue on one half of each rib only. (Fig. F) If tape is applied to entire length of horizontal ribs the gypsum board cannot be slipped under jambs.



10. Now install door frame trim by snapping it on.