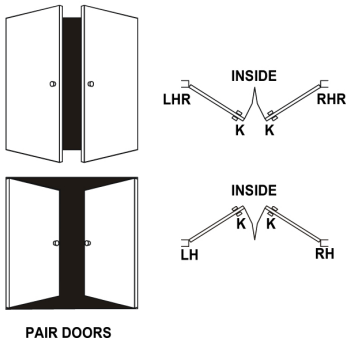
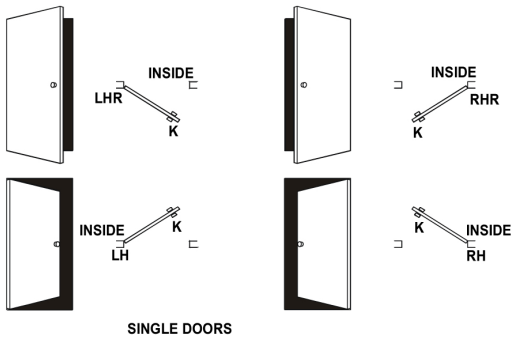


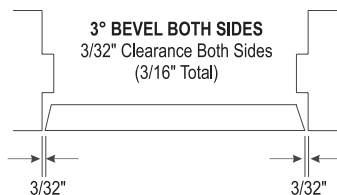
# HOLLOWMETAL

PROJECT:	
LOCATION:	
ARCHITECT:	
CONTRACTOR:	
DISTRIBUTOR:	

## DATE \_\_\_\_\_



## WOOD DOOR PRE-FIT CLEARANCE

[illegible]

# SUBMITTAL NOTES



## HOLLOWMETAL

1. Material on these drawings will be fabricated after final architects approval, receipt of an approved hardware schedule & all necessary hardware templates .
2. Doors & frames will be reinforced for surface mounted hardware as required, drilling & tapping of surface hardware applications by OTHERS . Doors & frames will be prepared & reinforced for mortised hardware. All function holes will be prepared at the factory except for trim mounting holes.
3. All frames will be supplied with jamb & base anchors as shown. All frames with EMA anchor preps (shields & bolts by others).
4. All frames will be supplied with 3 bumper holes per single frame & 2 bumper holes in head of doubles.
5. All frames in masonry construction to be fully grouted. CAUTION : Use of antifreeze mortar additives may cause severe corrosion
6. All hardware will be provided by OTHERS .
7. All glass & glazing including installation by OTHERS.
8. Hardware locations will be to Vision Hollow Metal Limited standards for that specific hardware. Exit devices & specialty hardware will be located as per templates supplied.
9. When doors & frames are used in conjunction with anything other than new hollow metal it will be the responsibility of the general contractor to advise hardware locations.
10. Steel doors & frames will be supplied with A40 Galvanneal finish.
11. All frames will be supplied with 2 spreader bars spot welded to bottom of frame for shipping purposes only, this is to prevent warpage during transit. (PLEASE REMOVE PRIOR TO INSTALLATION).



## HOLLOWMETAL

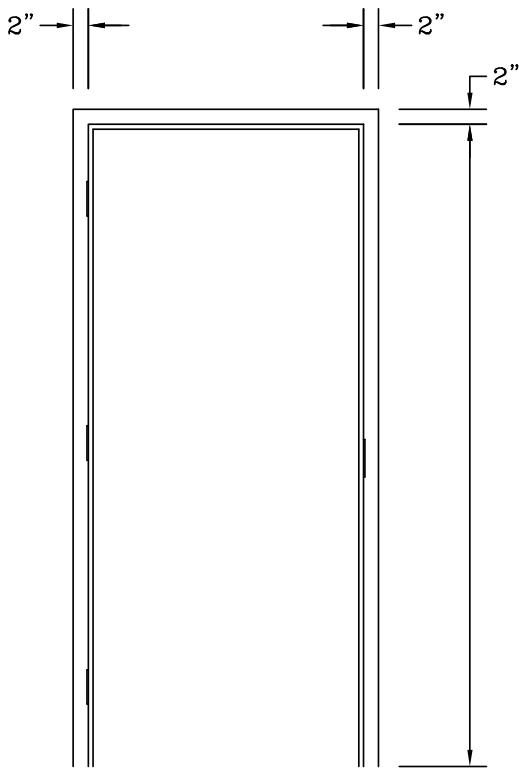
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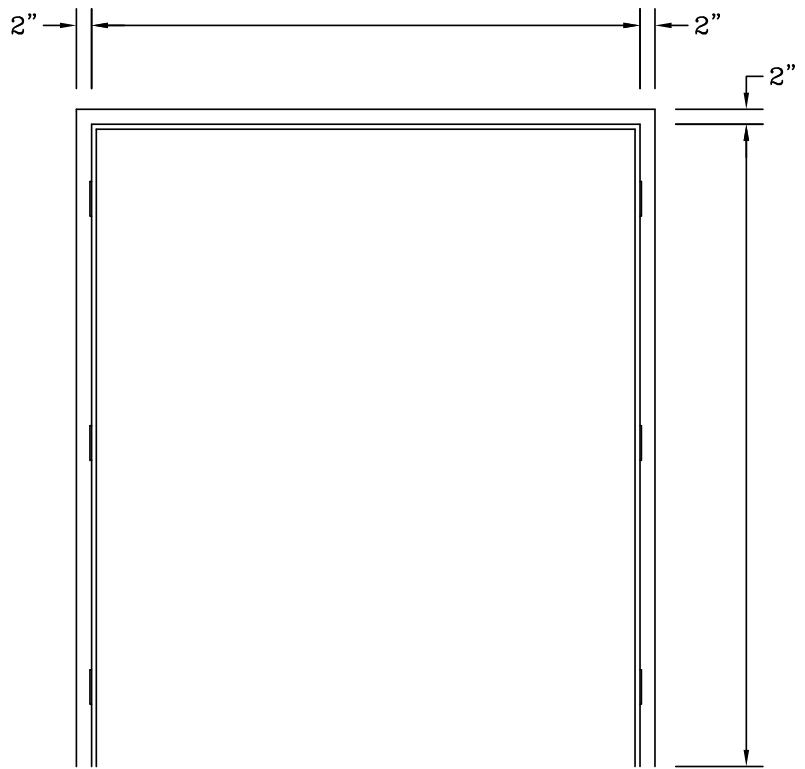
# STANDARD FRAMES



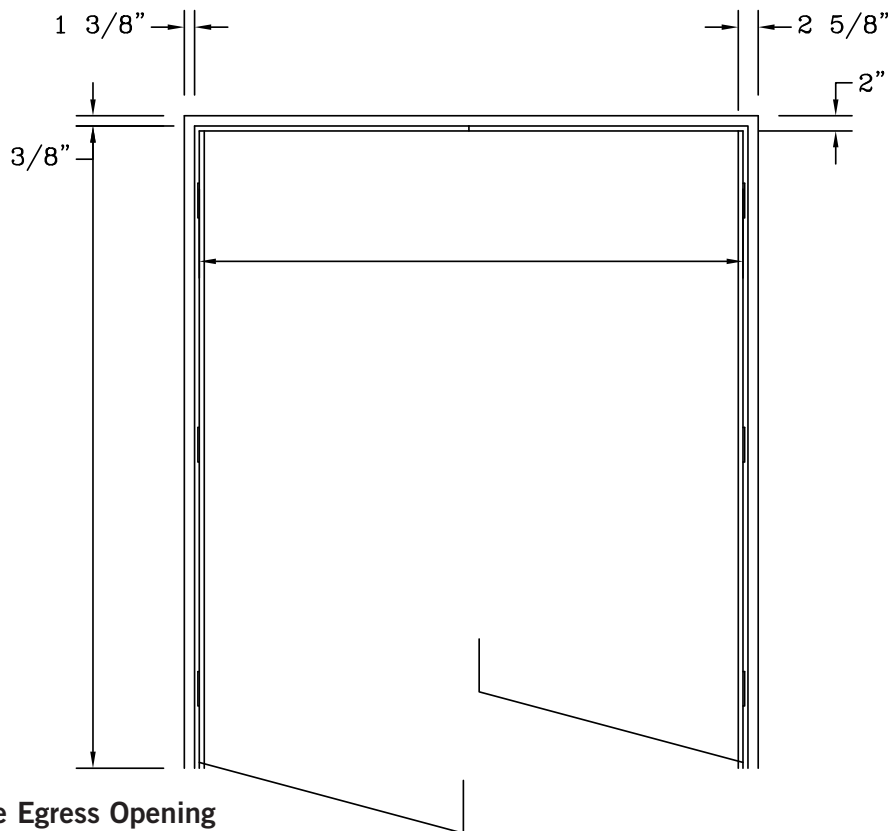
## HOLLOWMETAL



Single Opening



Paired Opening



Double Egress Opening



## HOLLOWMETAL

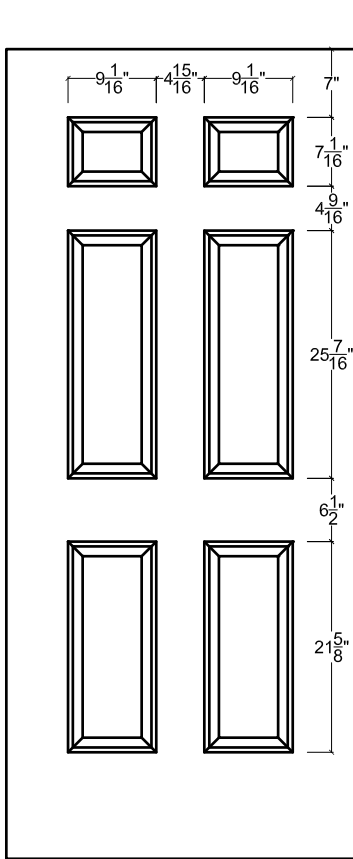
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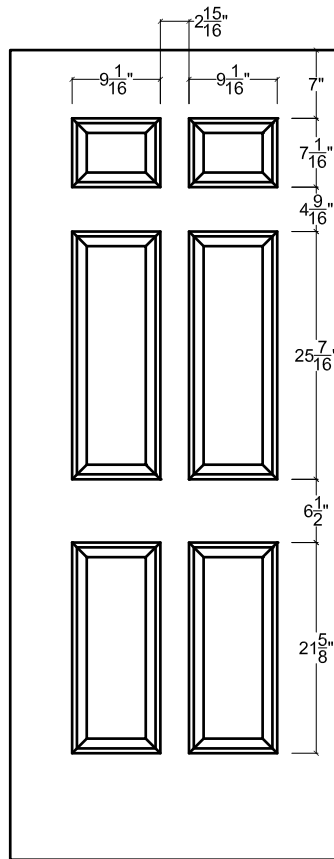
# EMBOSSED DOORS



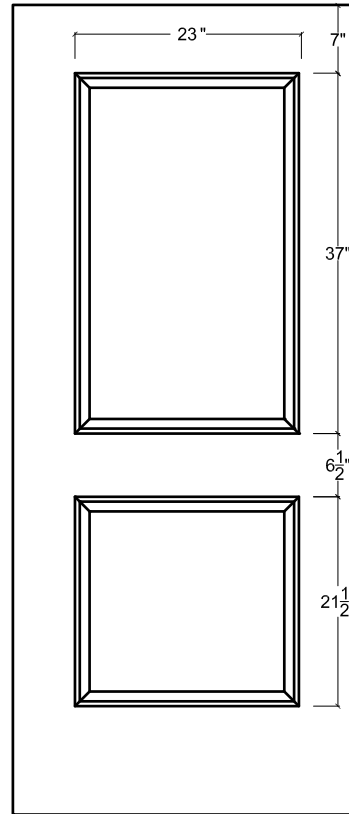
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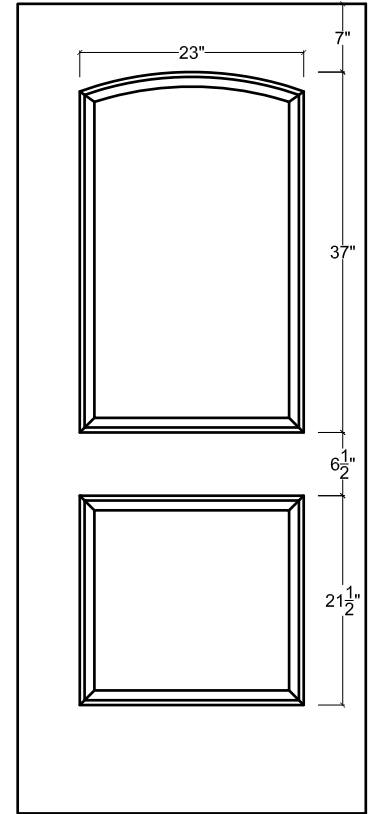
**6 Panel  
Standard**



**6 Panel  
Narrow**



**2 Panel  
Square**



**2 Panel  
Arch**

### DOOR INFORMATION

**6 Panel:** 20ga., 18ga. - 3'0" X 6'8" or 7'0"  
18ga. - 3'0" X 8'0"

**6 Panel Narrow:** 20ga. - 2'8" X 6'8" or 7'0"

**2 Panel:** 18ga. - 3'0" X 6'8" or 7'0"



## HOLLOWMETAL

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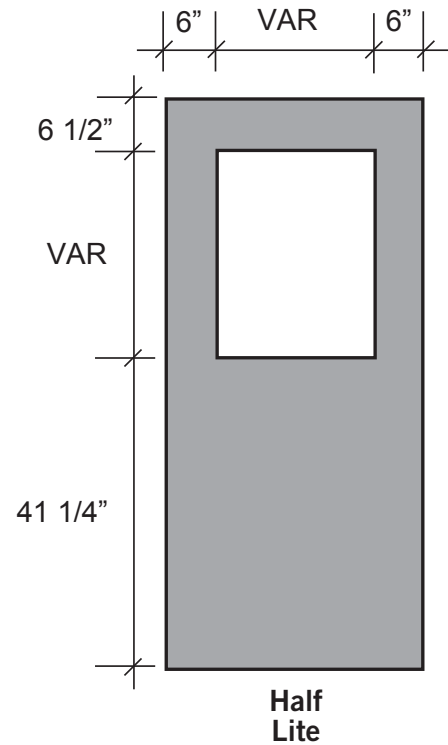
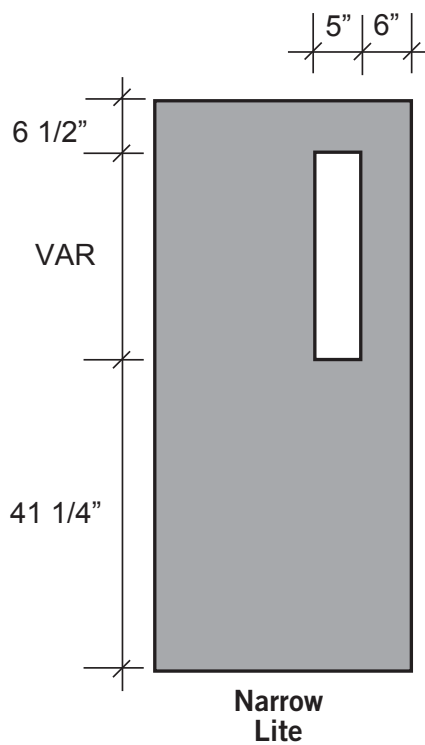
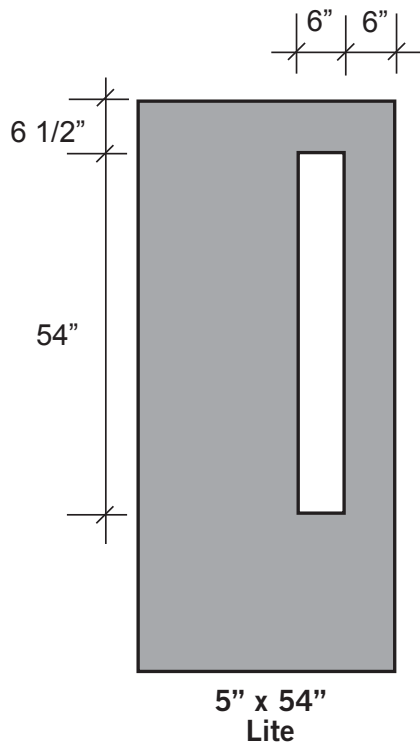
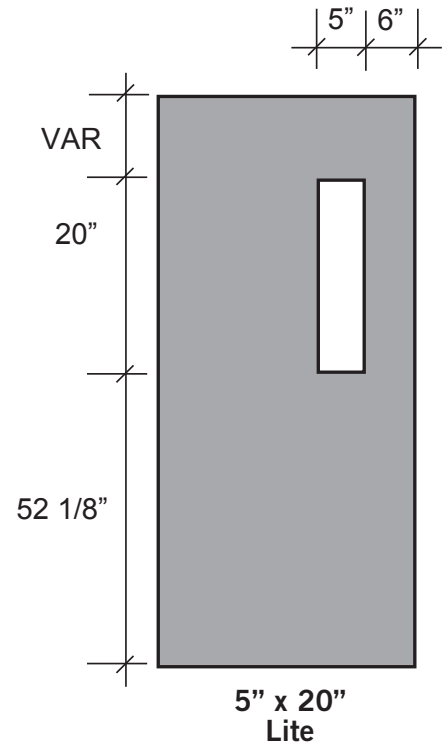
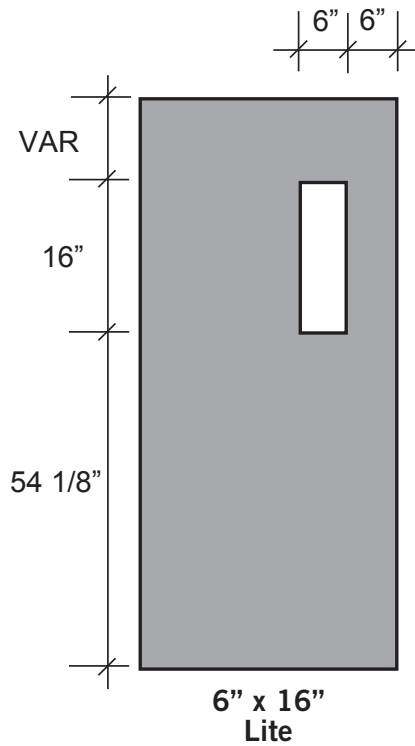
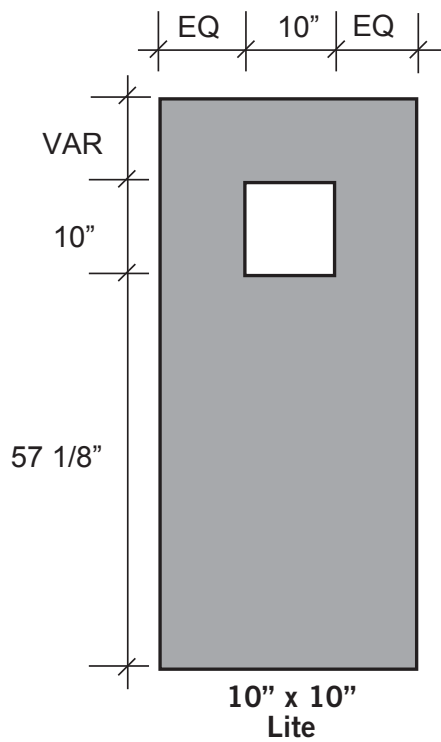
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# DOOR LITES



## HOLLOWMETAL



## HOLLOWMETAL

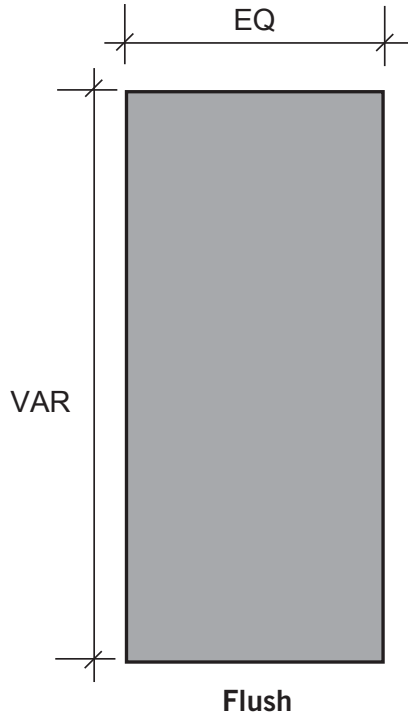
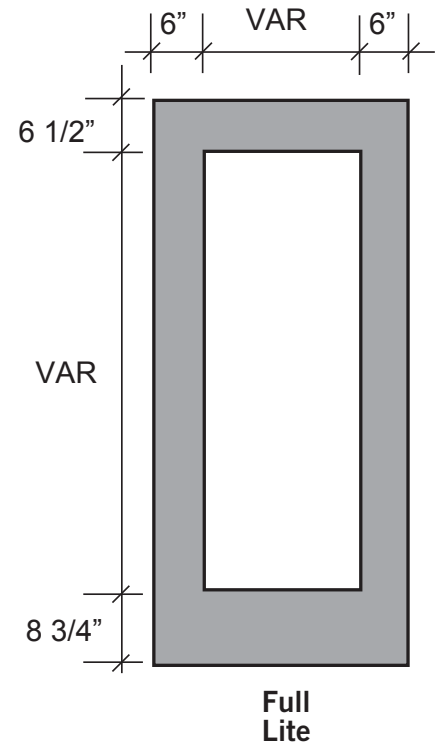
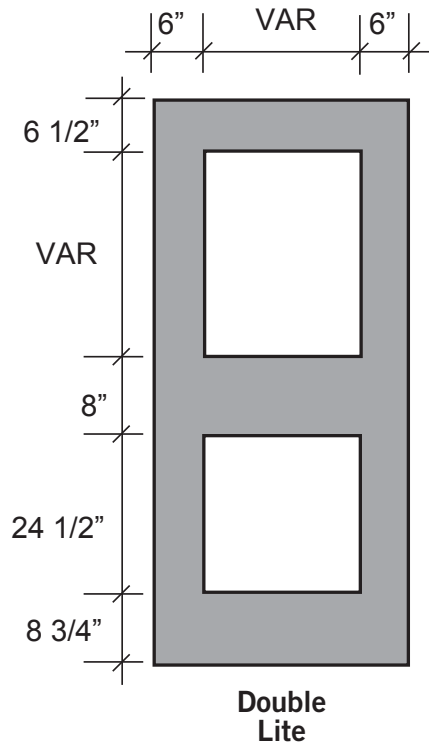
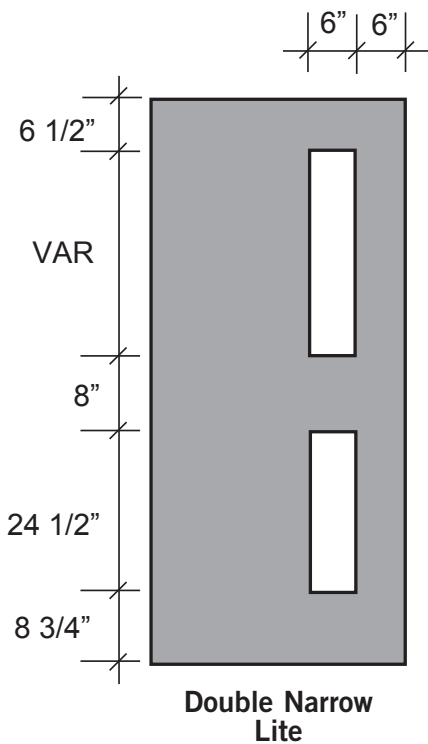
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# DOOR LITES



## HOLLOWMETAL



### DOOR INFORMATION

1. Lite dimensions shown are nominal lite sizes.
2. Removable stops will be applied on pull side unless otherwise noted.
3. See next page for glazing details.



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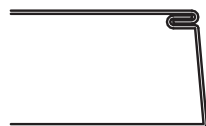


# EDGE DETAILS GLAZING DETAILS



# HOLLOWMETAL

## EDGE DETAILS



STANDARD LOCKSEAM  
(PREFIX LS)

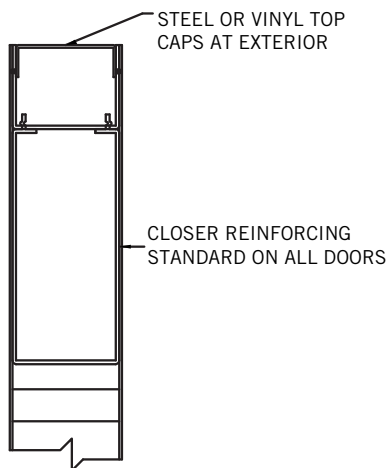


STANDARD LOCKSEAM  
TACK & FILL SEAMS  
(PREFIX TF)

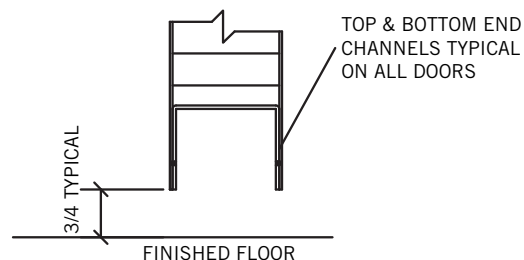


CONTINUOUSLY WELDED SEAM  
CW SERIES DOORS ONLY  
(PREFIX CW)

**Standard  
Edge Prep**

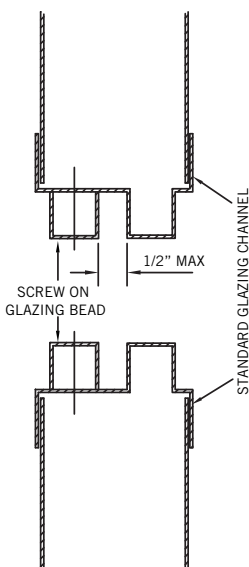


**Standard  
Head Detail**

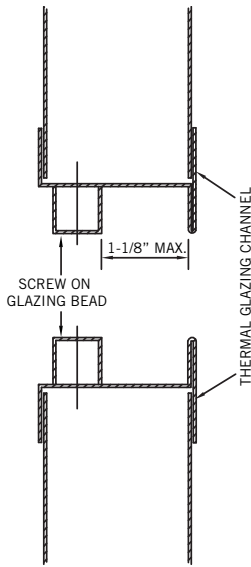


**Standard  
Sill Detail**

## GLAZING DETAILS



**Standard Glazing Cross Section**



**Thermal Glazing Cross Section**

### GLAZING INFORMATION

1. Removable stops will be applied on a wide side (non-security) unless otherwise noted.
2. Actual glass size = nominal size less 1/4" on width and 1/4" on height.



# HOLLOWMETAL

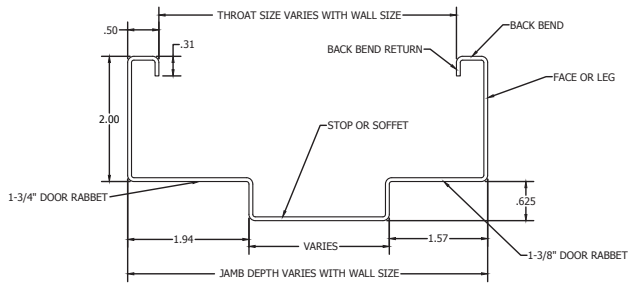
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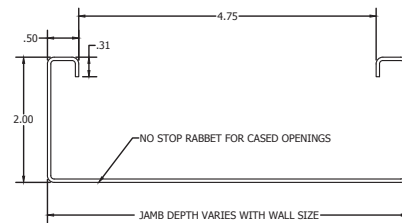
# STANDARD PROFILES



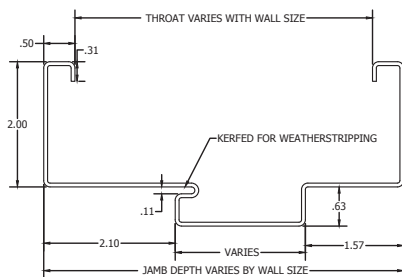
# HOLLOWMETAL



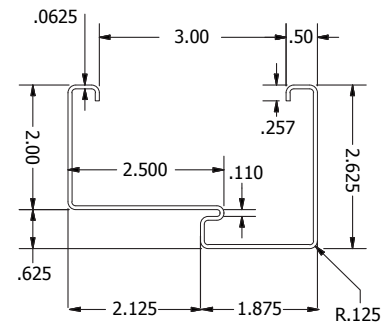
**Hollow Metal Non-Kerf**



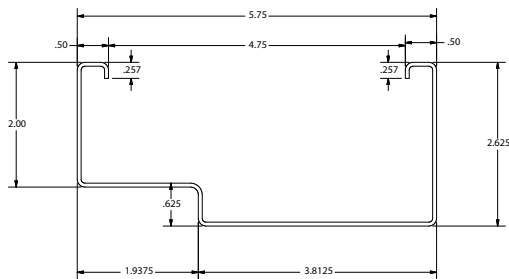
**No Stop**



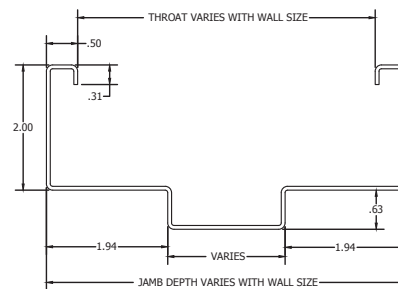
**Hollow Metal Kerf**



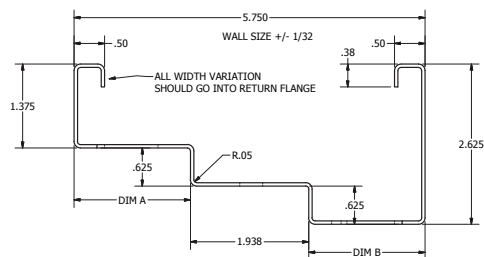
**Single Rabbet Kerfed**



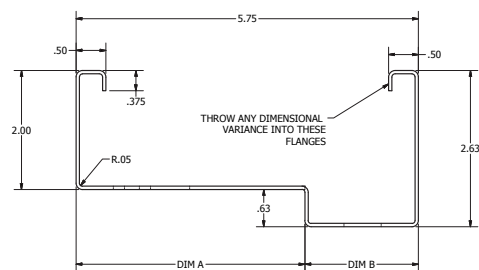
**Single Rabbet Non-Kerf**



**Equal Rabbet Non-Kerf**



**Double Egress Frame**



**Double Egress Header**



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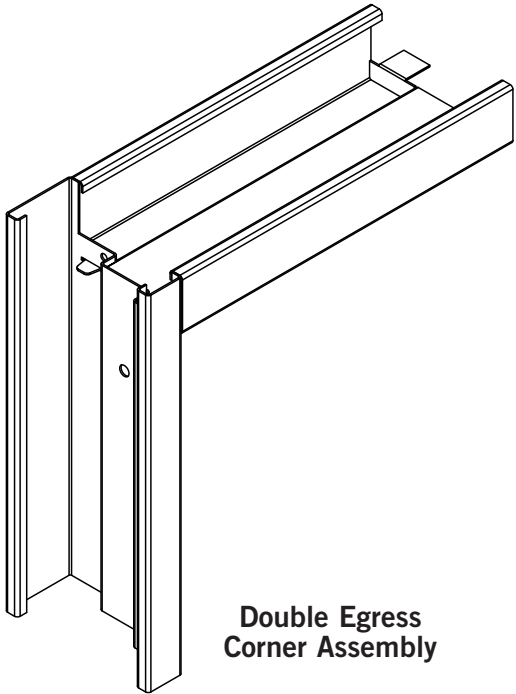




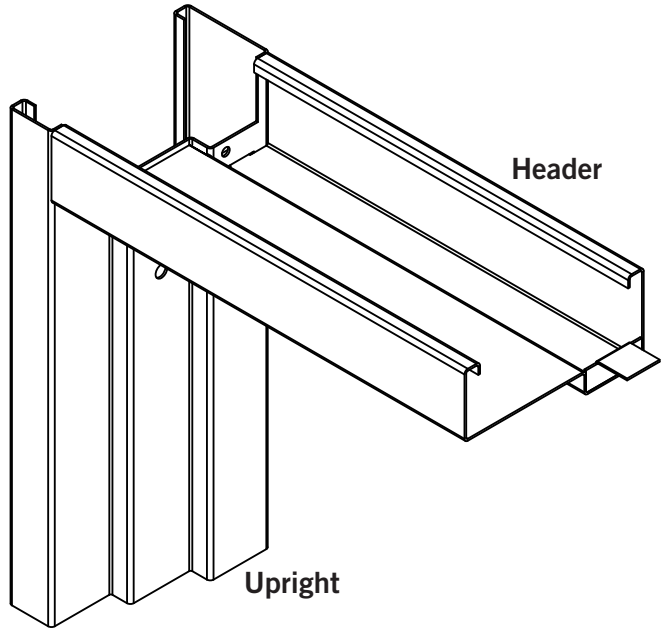
# CORNER ASSEMBLY UPRIGHT & HEADER SECTIONS



## HOLLOWMETAL

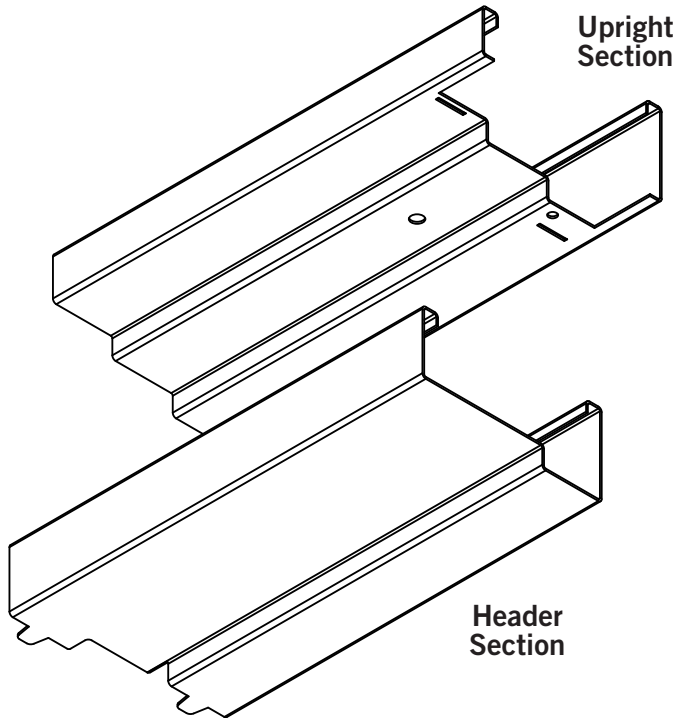


**Double Egress  
Corner Assembly**



**Header**

**Upright**



**Upright  
Section**

**Header  
Section**

### NOTES

Available for both  
drywall and masonry  
applications with 5/8"  
stop height.



## HOLLOWMETAL

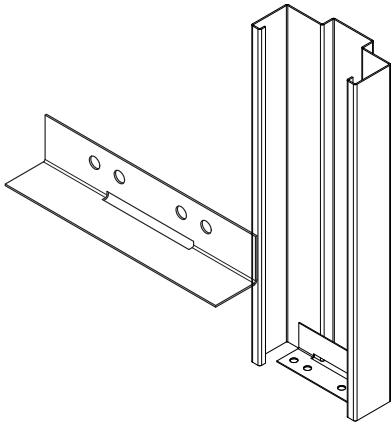
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# Hollow Metal Anchor GUIDE

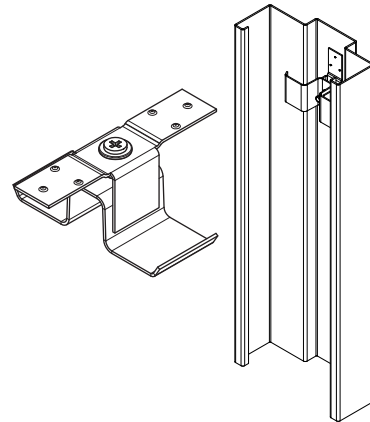


## HOLLOWMETAL



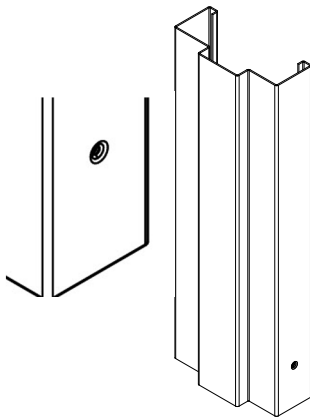
### Base Anchor and shown welded in frame

Base anchors will be welded into the base of the frame. This frame anchor can be used as a bottom anchor for knock-down drywall frames.



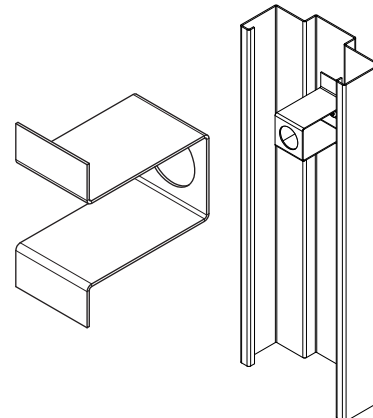
### Compression Anchor (Low or High Profile) and shown welded in frame

An adjustable compression device located near the top of each jamb. This anchor, used on slip-on dry wall frames and in conjunction with slip-on dry wall base anchors, can be fire rated.



### Countersink Anchor

Frames with a Countersink Anchor in the soffit of the jamb may be anchored with lag screws, or large bolts to the underlying material.



### EWA Hat Style (Existing Wall Anchor) and shown welded in frame

Frames with a EWA Hat Anchor guides bolts or lag screws to the rough opening structure.



## HOLLOWMETAL

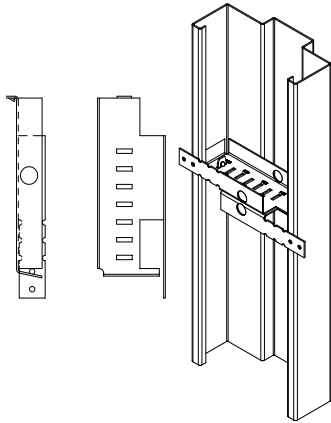
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# Hollow Metal GUIDE

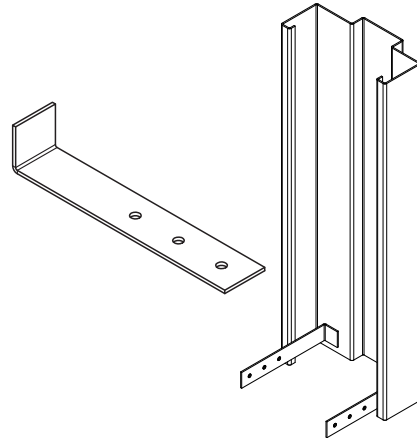


## HOLLOWMETAL



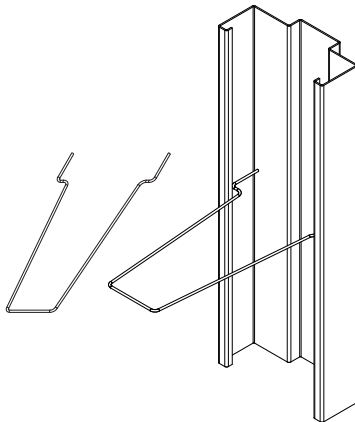
### Multi Purpose Anchor and shown welded in frame

Combination wood/steel stud anchors are welded or friction fit inside the jamb. Additional horizontal straps allows fastening to the face of the stud in lieu of through the throat. Typically used when the steel stud wall is assembled prior to setting the frame.



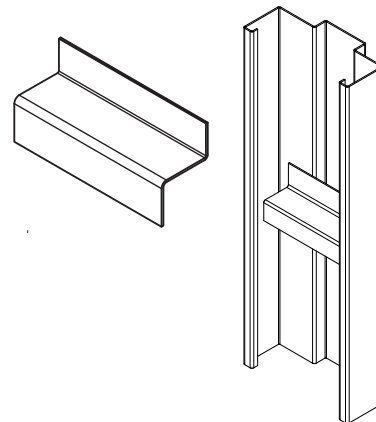
### Strap Anchor and shown welded in frame

Strap anchors are straps of metal welded to the back of the jamb at each side of the jamb. Complete with holes punched for nails or screws. Frame incorporating this anchors can be fire rated.



### Wire Anchor and shown welded in frame

Wire Loop anchor provides sufficient adjustment for masonry coursing as well as access for full grouting of jambs are set loose inside frame returns as wall is laid up.



### Z Clip I Stud Anchor and shown welded in frame

The anchors are welded to both rabbets inside the jamb. Steel studs are mechanically fastened to the exposed flange through the throat of the stud. Available "Z"-Clips in three sizes:

- 3 1/2" for Jamb Depth up to 5 3/8";
- 5 1/2" for Jamb Depth up to 7 3/8";
- 2pcs of 3 1/2" for Jamb Depth over 7 3/8".



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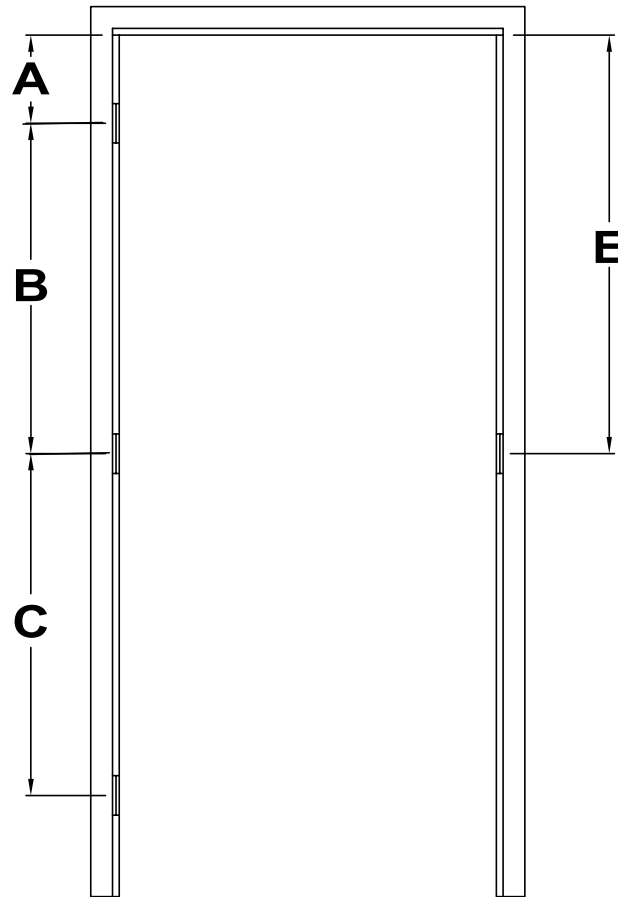
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# STANDARD HINGE LOCATIONS



## HOLLOWMETAL



MANUFACTURER	6'8"				7'0"				8'0"				
	A	B	C	E	A	B	C	E	A	B	C	D	E
Amweld/Steelcraft	9-3/4"	29-15/16"	29-15/16"	39-11/16"	9-3/4"	31-15/16"	31-15/16"	43-11/16"	9-3/4"	25-9/32"	25-5/16"	25-9/32"	55-11/16"
CECO	9"	31"	31"	38-3/16"	9"	33"	33"	42-3/16"	9"	26"	26"	26"	54-3/16"
Curries	7-1/4"	30-1/4"	30-1/4"	40"	7-1/4"	32-1/4"	32-1/4"	44"	7-1/4"	25-1/2"	25-1/2"	25-1/2"	56"
Mesker/NAAMN	7-1/4"	30-1/4"	30-1/4"	39-11/16"	7-1/4"	32-1/4"	32-1/4"	43-11/16"	7-1/4"	25-1/2"	25-1/2"	25-1/2"	55-11/16"
Pioneer	7-1/4"	30-1/4"	30-1/4"	42"	7-1/4"	32-1/4"	32-1/4"	46"	7-1/4"	25-1/2"	25-1/2"	25-1/2"	58"
Premdor (4")	8-9/16"	31-3/16"	31-3/16"	43-13/16"	8-9/16"	33-3/16"	33-3/16"	47-13/16"	8-9/16"	26-1/8"	26-1/8"	26-1/8"	59-13/16"
Taylor (4")	9-3/4"	29-15/16"	29-15/16"	45-1/4"	11-3/4"	29-3/4"	29-3/4"	47-1/4"	9-3/4"	25-3/16"	25-3/16"	25-3/16"	56-1/16"



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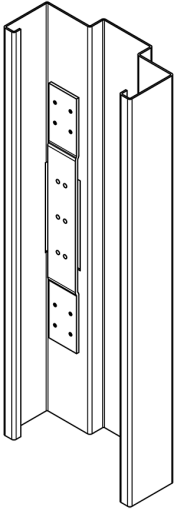


# REINFORCEMENTS PREPS

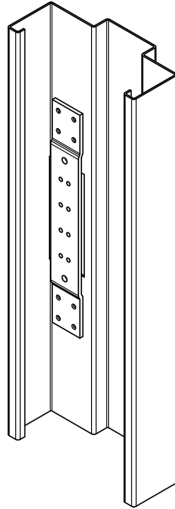


# HOLLOWMETAL

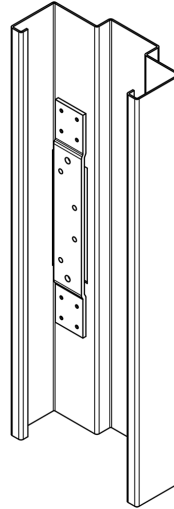
## HINGE PREPS



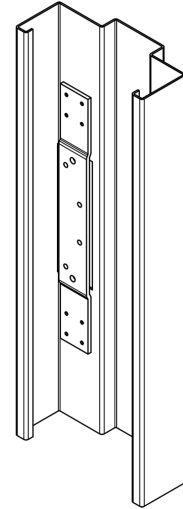
**3-1/2" Hinge  
Reinforcement in Frame**



**4" Hinge  
Reinforcement in Frame**

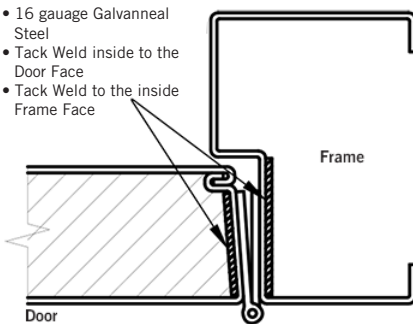


**4-1/2" Hinge  
Reinforcement in Frame**



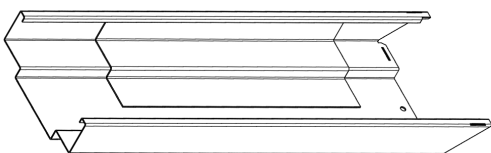
**5" Hinge  
Reinforcement in Frame**

- 16 gauge Galvanneal Steel
- Tack Weld inside to the Door Face
- Tack Weld to the inside Frame Face



**Concealed Hinge  
Reinforcement in Door**

## CLOSER PREPS



**Closer Reinforcement  
Welded in Frame**



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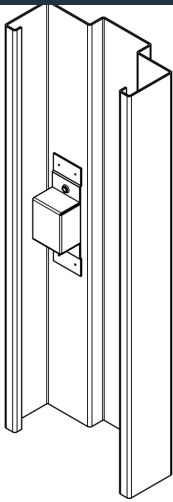


# REINFORCEMENTS PREPS

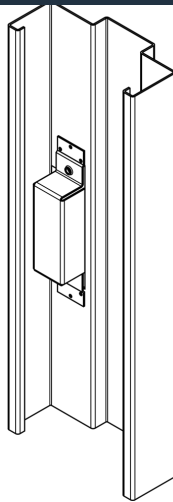


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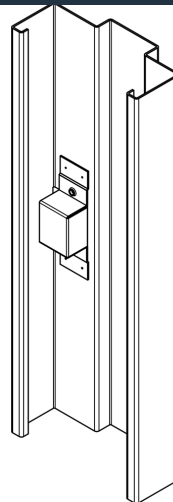
## STRIKE PREPS



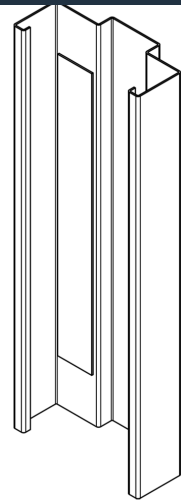
**Deadbolt Strike  
Reinforcement in Frame**



**4-7/8" ANSI Strike  
Reinforcement in Frame**

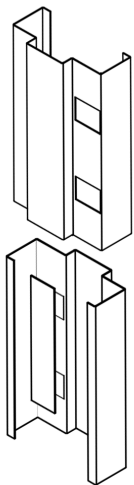


**2-3/4 T-Strike  
Reinforcement in Frame\*+**

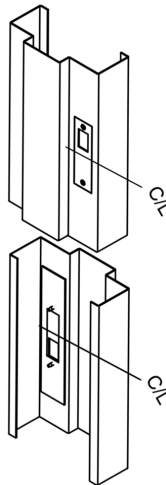


**Surface Strike  
Reinforcement in Frame+**

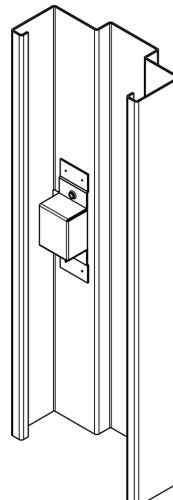
## HEADER PREPS



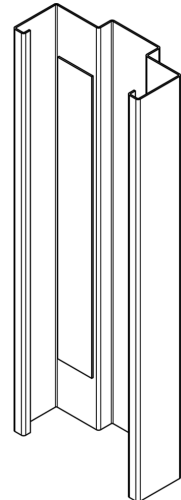
**Deadbolt Strike  
Reinforcement in Frame**



**4-7/8" ANSI Strike  
Reinforcement in Frame**



**2-3/4 T-Strike  
Reinforcement in Frame\*+**



**Surface Strike  
Reinforcement in Frame+**

### NOTES

\*Same reinforcement for 2-3/4" Full Lip Strikes, and 2-3/4" Deadbolt Strikes.  
+May be installed in Strike or Header.



# HOLLOWMETAL

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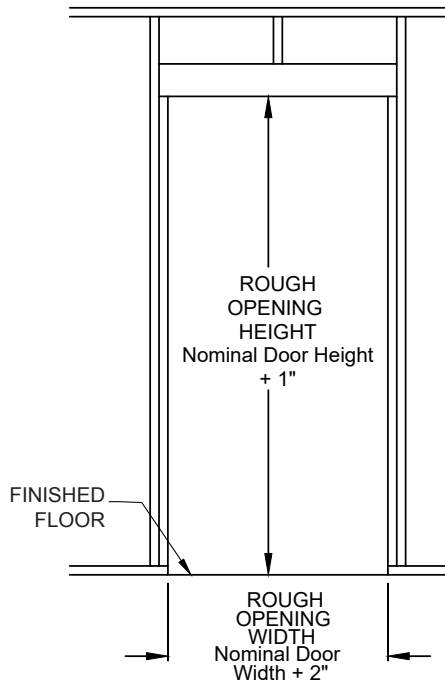


# ROUGH GUIDE OPENING GUIDE



## HOLLOWMETAL

### Standard Drywall Rough Opening for KD 2" Face Drywall Hollow Metal Frames | Adjustable Hollow Metal Frames

**Rough Opening Width:**

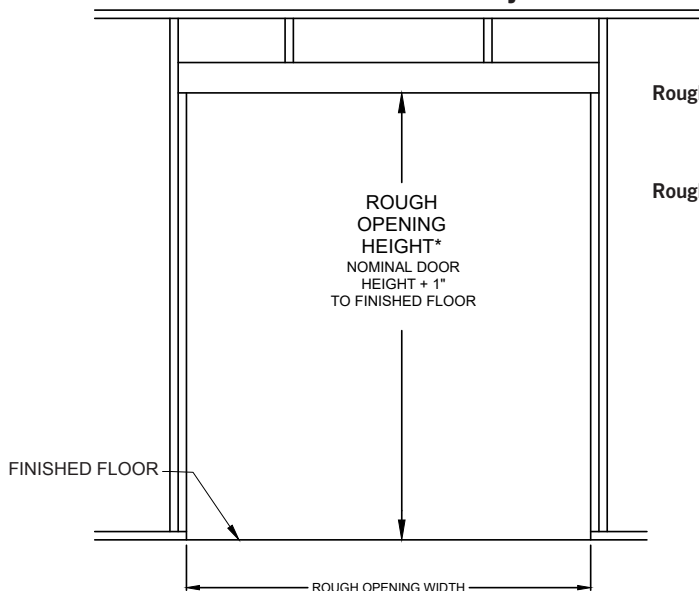
Equal to nominal door width plus 2"

**Rough Opening Height:**

Nominal door height plus 1" to finished floor

Opening size can be increased, but remember for fire-rated openings a minimum of 1/2" drywall must extend inside the frame on all three sides.

### Standard Drywall Rough Opening for Pair Drywall 2" Face Hollow Metal Frames | Adjustable Hollow Metal Frames

**Rough Opening Width Pair Doors:**

Equal to nominal door width plus 2"

**Rough Opening Height:**

Nominal Door height plus height plus 1" to finished floor

Please consult the instruction sheet for the pocket door hardware you are installing due to some pocket doors may require different rough opening dimensions than indicated by Dunbarton instructions.

**ROUGH OPENING WIDTH FOR  
PAIR DOORS IS EQUAL TO  
NOMINAL DOOR WIDTHS + 2"**



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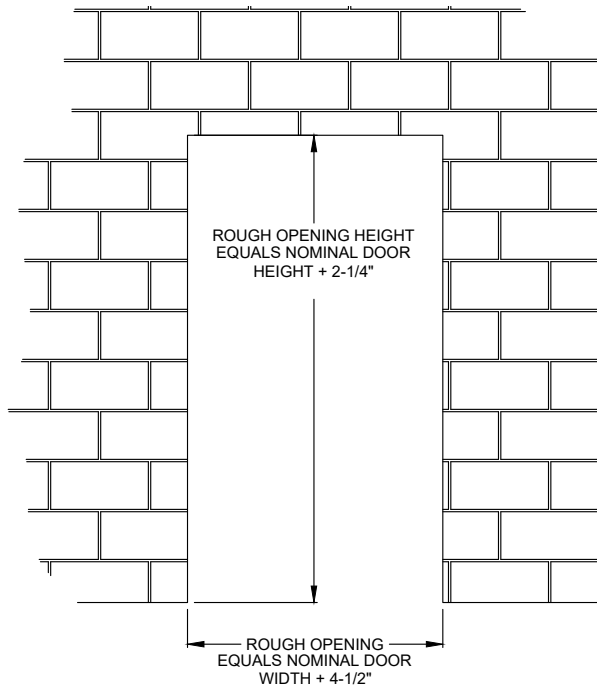


# ROUGH GUIDE OPENING GUIDE



## HOLLOWMETAL

### Standard Rough Opening for KD 2" Face Masonry Hollow Metal Frames



**Rough Opening Width:**  
Equal to nominal door width plus 4-1/2"

**Rough Opening Height:**  
Equal to nominal door height plus 2-1/4"

Hollow Metal masonry frames can be installed with a variety of anchors and installed as the opening is built or after completion.



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