SECTION **L**

STOREFRONT & COMMERCIAL EXTRUSIONS

- 100 Series – 1-3/4" x 4" CG 1/4" Glass
- 200 Series – 2" x 4-1/2" CG 1" Glass
- 300 Series – 2" x 4-1/2" Offset 1/4" Glass
- 400 Series – 2" x 4-1/2" Offset 1" Glass
- Sash & Transom Metals
- Division Bars
- Door Stops
- Glass Stops
- Tubing
- L Angles
- U Channels







Commercial & Residential Contractor Supply House

HARDWARE SOLUTIONS

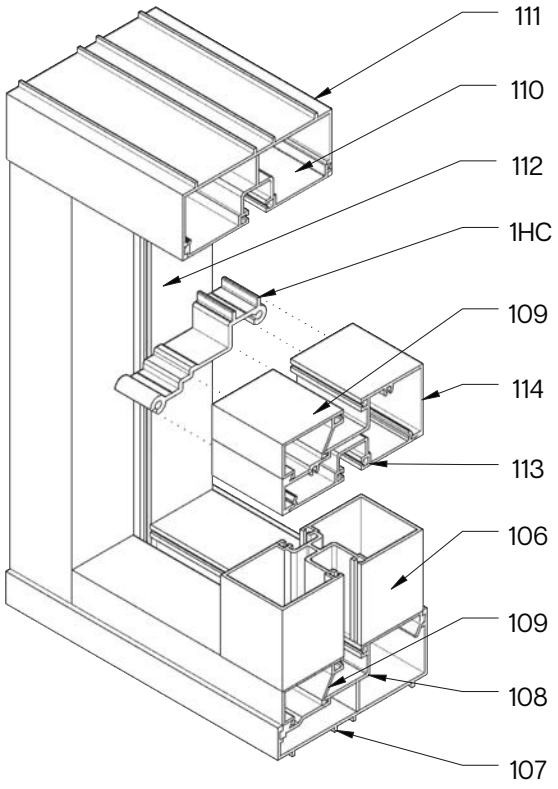
Glass · Windows · Aluminum · Doors · Mouldings · Tools · Screens · Accessories

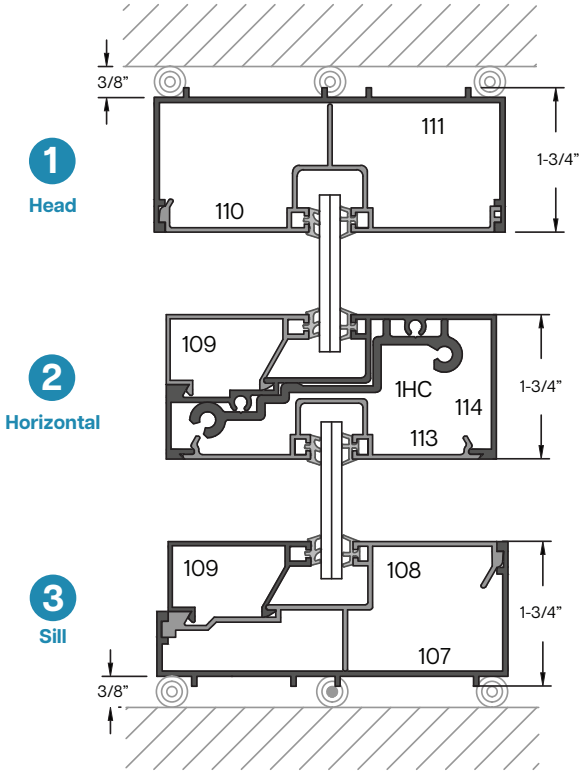
HARDWARE SOLUTIONS LLC
1690 W Frontage Rd, Chula Vista, CA 91911
Direct: **(619) 737-9999**
Text: **(619) 796-6088**
Email: **info@glahs.com**
www.hardwaresolutions.com

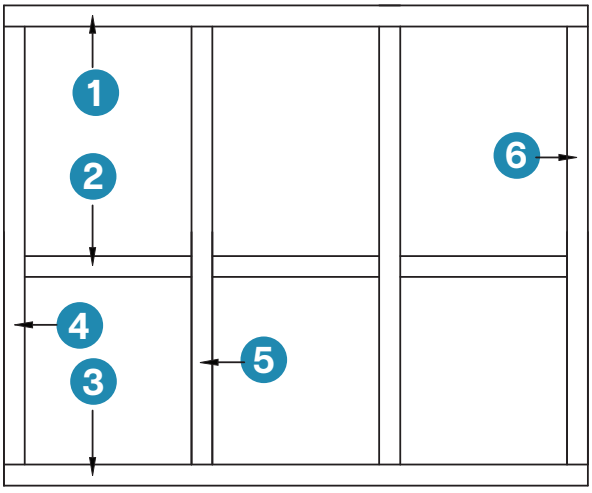
100 SERIES

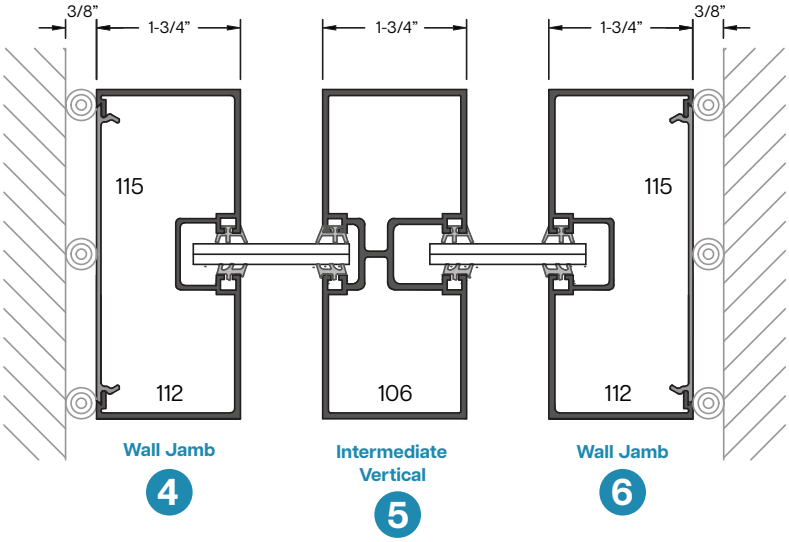
STOREFRONT ALUMINUM SYSTEM

1-3/4" X 4" CENTER GLAZED
1/4" GLASS POCKET
SIDE LOAD & NON-THERMAL



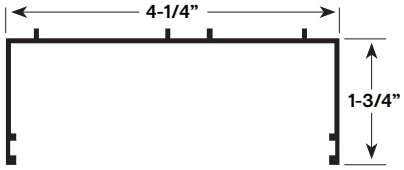






HS 100 SERIES 1-3/4" X 4" CENTER GLAZED HEAD CAN FOR 1/4" GLASS

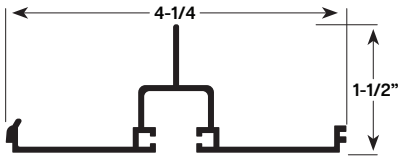
- Part *1* of *2* for *Complete Head Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
111BZ	BRONZE ANODIZED	24 FT.
111C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED SNAP-IN HEAD CAN FILLER FOR 1/4" GLASS

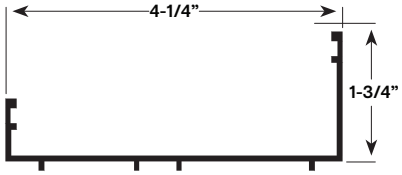
- Part *2* of *2* for *Complete Head Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
110BZ	BRONZE ANODIZED	24 FT.
110C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED SILL CAN FOR 1/4" GLASS

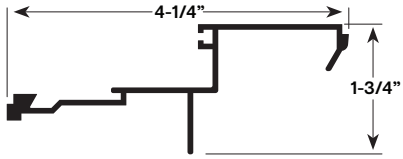
- Part *1* of *3* for *Complete Sill Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
107BZ	BRONZE ANODIZED	24 FT.
107C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED SNAP-IN SILL CAN INSERT FOR 1/4" GLASS

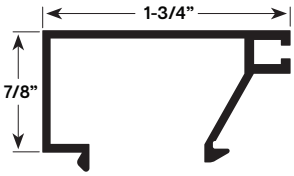
- Part *2* of *3* for *Complete Sill Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
108BZ	BRONZE ANODIZED	24 FT.
108C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED SNAP-IN GLASS STOP FOR 1/4" GLASS

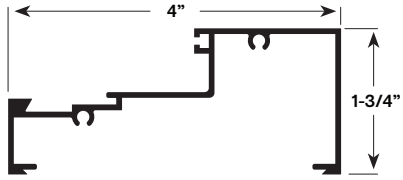
- Part *3* of *3* for *Complete Sill Can Assembly &* Part *3* of *4* for *Horizontal Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
109BZ	BRONZE ANODIZED	24 FT.
109C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED HORIZONTAL CAN FOR 1/4" GLASS

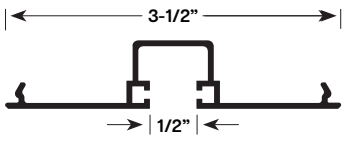
- Part *1* of *3* for *Complete Horizontal Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
114BZ	BRONZE ANODIZED	24 FT.
114C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED OPEN BACK SNAP-IN FILLER W/ POCKET FOR 1/4" GLASS

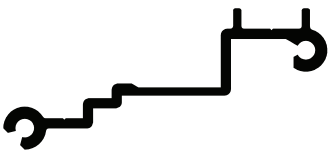
- Part *2* of *3* for *Complete Horizontal Assembly*
- Optional Open Back Filler for *Open Back Wall Jamb 112* or *Door Jamb 103*



ITEM NO.	FINISH / COLOR	LENGTH
113BZ	BRONZE ANODIZED	24 FT.
113C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED HORIZONTAL CLIP W/ SCREWS FOR 1/4" GLASS

- Part *4* of *4* for *Complete Horizontal Assembly*
- *2 Screws Per Clip*
- *Sold in Packs of 10*

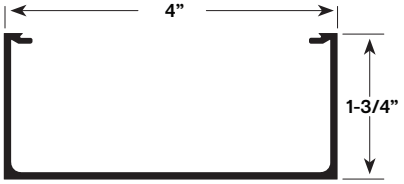


ITEM NO.	FINISH / COLOR
CE1HC	ALUMINUM

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HS 100 SERIES 1-3/4" X 4" CENTER GLAZED DOOR JAMB FOR 1/4" GLASS

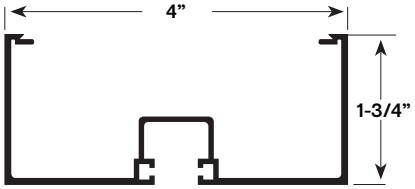
- Compatible with ***113 Open Back Snap-in Filler w/ pocket*** to be Able to Receive Glass on Open-end



ITEM NO.	FINISH / COLOR	LENGTH
103B	BRONZE ANODIZED	24 FT.
103C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED OPEN BACK WALL JAMB FOR 1/4" GLASS

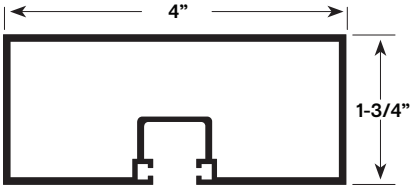
- Compatible with ***113 Open Back Snap-in Filler w/ pocket*** to be Able to Receive Glass on Open-End



ITEM NO.	FINISH / COLOR	LENGTH
112BZ	BRONZE ANODIZED	24 FT.
112C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED ONE POCKET SOLID BACK WALL JAMB FOR 1/4" GLASS

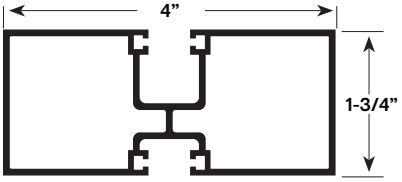
- Commonly Referred as a ***Single Pocket Vertical Mullion***



ITEM NO.	FINISH / COLOR	LENGTH
104B	BRONZE ANODIZED	24 FT.
104C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED VERTICAL MULLION (2 POCKET) FOR 1/4" GLASS

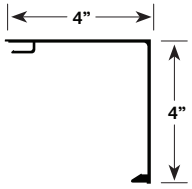
- Commonly Referred as a ***Two Pocket Intermediate Vertical Mullion***



ITEM NO.	FINISH / COLOR	LENGTH
106B	BRONZE ANODIZED	24 FT.
106C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED CORNER POST W/ NO POCKET FOR 1/4" GLASS

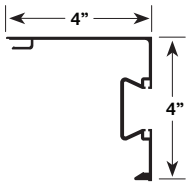
- Compatible with either
  - ***117 Corner Post Without Pocket***
  - ***118 Corner Post With One Pocket***
  - ***119 Corner Post With Two Pockets***



ITEM NO.	FINISH / COLOR	LENGTH
117BZ	BRONZE ANODIZED	24 FT.
117C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED CORNER POST W/ ONE POCKET FOR 1/4" GLASS

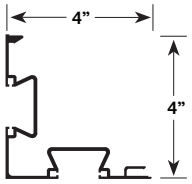
- Compatible with either
  - ***117 Corner Post Without Pocket***
  - ***118 Corner Post With One Pocket***
  - ***119 Corner Post With Two Pockets***



ITEM NO.	FINISH / COLOR	LENGTH
118BZ	BRONZE ANODIZED	24 FT.
118C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED CORNER POST W/ TWO POCKETS FOR 1/4" GLASS

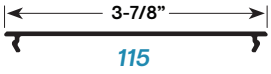
- Compatible with either
  - ***117 Corner Post Without Pocket***
  - ***118 Corner Post With One Pocket***
  - ***119 Corner Post With Two Pockets***



ITEM NO.	FINISH / COLOR	LENGTH
119BZ	BRONZE ANODIZED	24 FT.
119C	CLEAR ANODIZED	24 FT.

HS 100 SERIES 1-3/4" X 4" CENTER GLAZED FILLERS

OPEN BACK FILLER (NO POCKET)



115

- Flush Snap-in Filler for Open Back Door and Wall Jamb

1/4" POCKET FILLER



116

- Slide in Pocket Filler for All 1/4" Pockets

ITEM NO.	LENGTH	FINISH / COLOR	ITEM NO.	LENGTH
115BZ	24 FT.	BRONZE ANODIZED	116BZ	24 FT.
115C	24 FT.	CLEAR ANODIZED	116C	24 FT.

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100 SERIES - 1-3/4" X 4" CENTER GLAZE FOR 1/4" GLASS

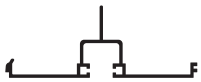
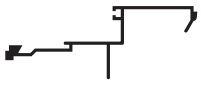
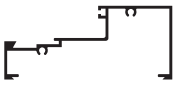
☐ ORDER ☐ QUOTE

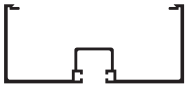
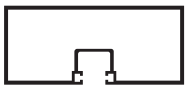
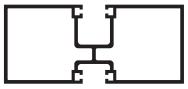
COMPANY

JOB NAME

☐ STANDARD DARK BRONZE ANODIZED ☐ CLEAR ANODIZED

☐ CUSTOM POWDER COAT _____ ☐ CUSTOM ANODIZED FINISH _____

PART#	QTY		PROFILE	NOTES:
111		HEAD CAN ASSEMBLY	 HEAD CAN	
110			 SNAP-IN HEAD CAN FILLER	
107		SILL CAN ASSEMBLY	 SNAP-IN SILL CAN	
108			 SNAP-IN SILL CAN INSERT	
109			 SNAP-IN GLASS STOP	
114		HORIZONTAL ASSEMBLY	 HORIZONTAL CAN	
CE1HC			 HORIZONTAL CLIP	
113			 OPEN-BACK SNAP-IN FILLER WITH POCKET	
115		FILLERS	 OPEN-BACK FILLER (NO POCKET)	
116			 1/4" POCKET FILLER	

PART#	QTY		PROFILE	NOTES:
103		OPEN BACK WALL JAMB	 DOOR JAMB	
112			 OPEN-BACK WALL JAMB	
104		VERTICAL MULLIONS	 SINGLE POCKET VERTICAL MULLION	
106			 TWO POCKET VERTICAL MULLION	
117		CORNER POST OPTIONS	 CORNER POST WITH NO POCKET	
118			 CORNER POST WITH ONE POCKET	
119			 CORNER POST WITH TWO POCKETS	

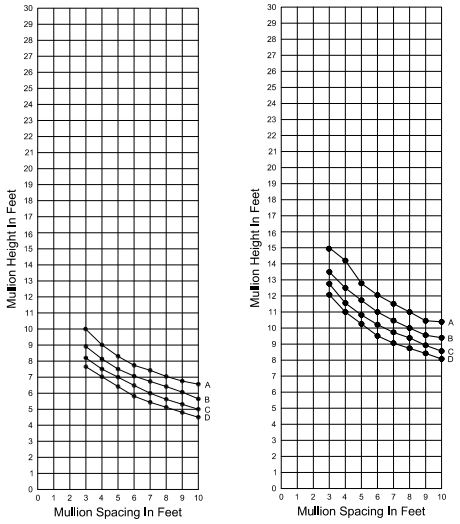
ITEM.	QTY	NOTES:
ROLL SIDE LOAD VINYL		
ROLL PUSH-IN TOP VINYL		
STOREFRONT DOOR FRAME		
STOREFRONT DOOR(S)		
CONCEALED DOOR CLOSER		
STOREFRONT DOOR HEADER		
STOREFRONT DOOR THRESHOLD		
S-10 METAL (1/4" SASH)		
M-31 METAL (1" SASH)		
MISC.		

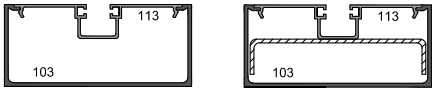
CONTRACTOR SUPPLIES L4

HARDWARE SOLUTIONS

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1690 W Frontage Rd, Chula Vista, CA 91911
Direct: (619) 737-9999 | Text: (619) 796-6088
Email: info@glahs.com | www.hardwaresolutions.com

100 SERIES WIND LOAD CHARTS

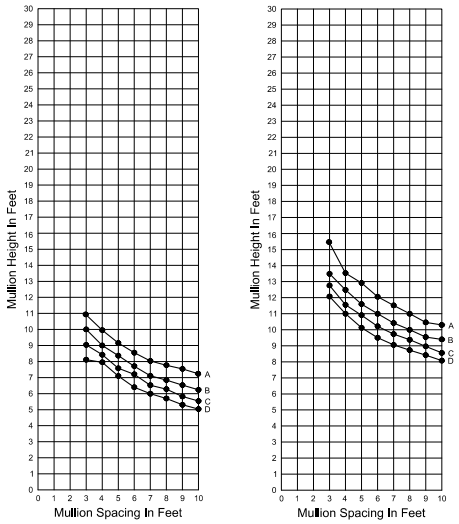


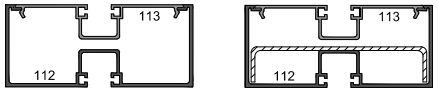


With 12 GA. Steel Stiffener

Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

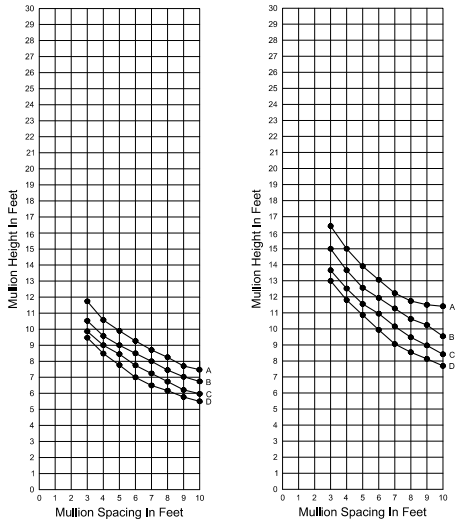


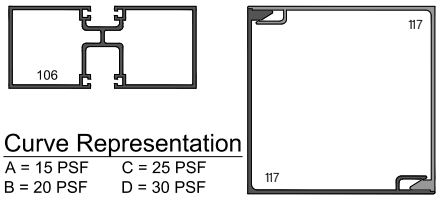


With 12 GA. Steel Stiffener

Curve Representation

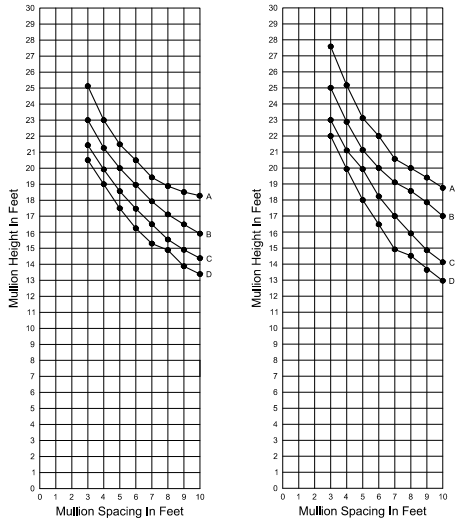
A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

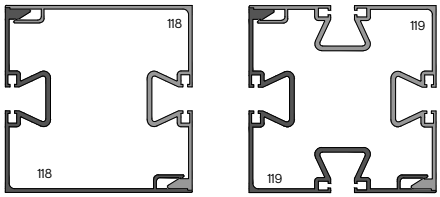




Curve Representation

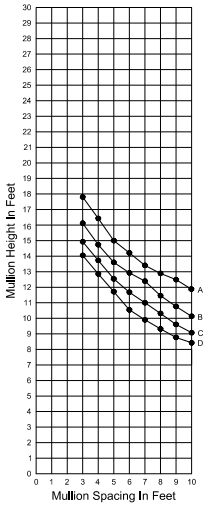
A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

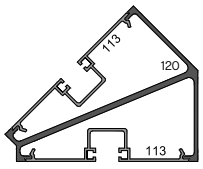




Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF





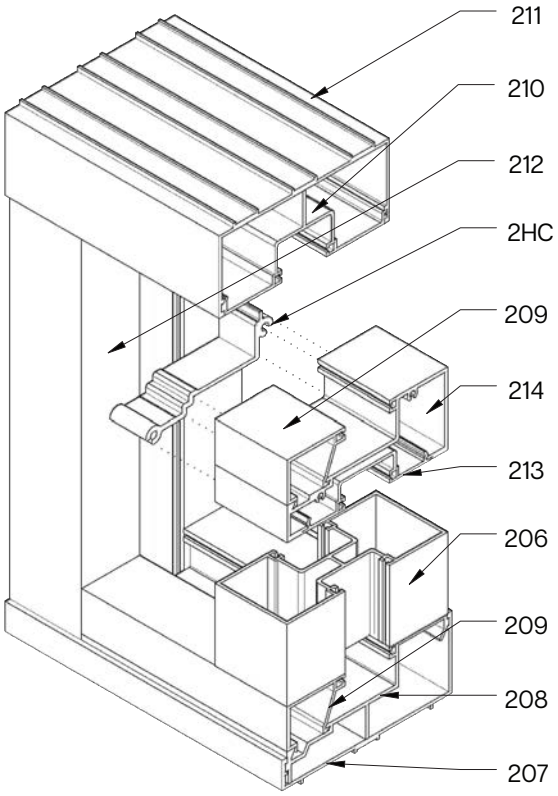
Curve Representation

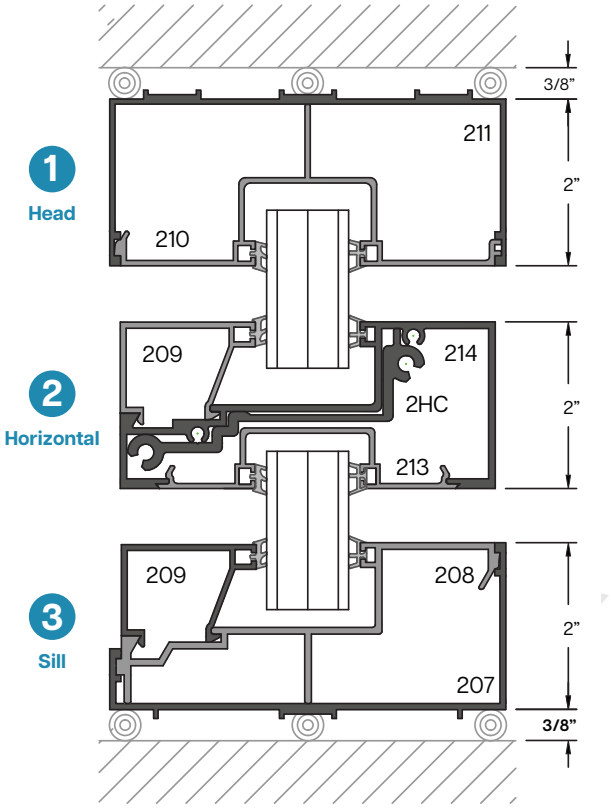
A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

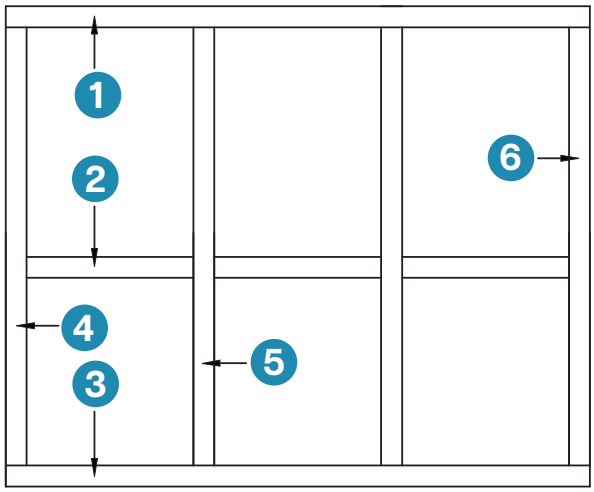
200 SERIES

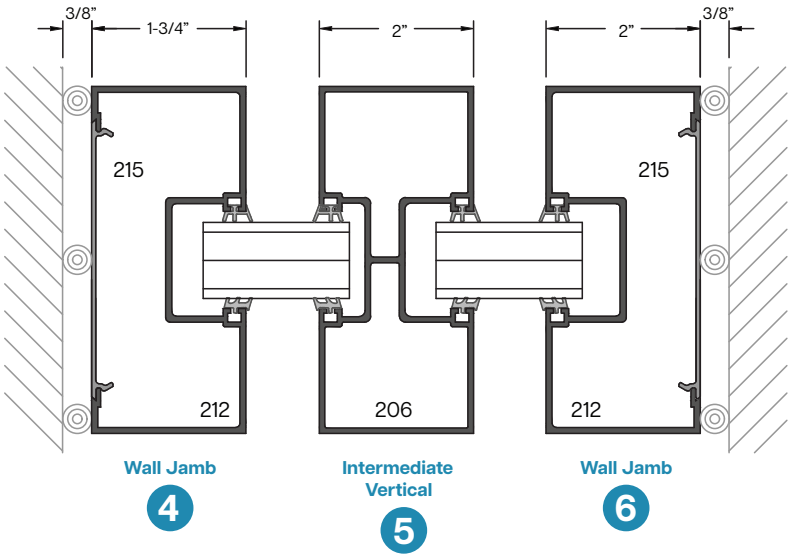
STOREFRONT ALUMINUM SYSTEM

2” X 4-1/2” CENTER GLAZED
1” GLASS POCKET
SIDE LOAD & NON-THERMAL





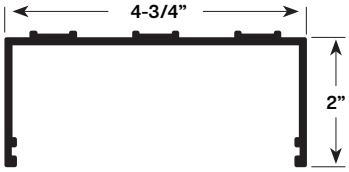




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HS 200 SERIES 2" X 4-1/2" CENTER GLAZED HEAD CAN FOR 1" GLASS

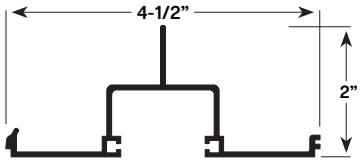
- Part *1* of *2* for *Complete Head Can Assembly*
- Used with *200, 300 & 400 Series Systems*



ITEM NO.	FINISH / COLOR	LENGTH
211BZ	BRONZE ANODIZED	24 FT.
211C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED SNAP-IN HEAD CAN FILLER FOR 1" GLASS

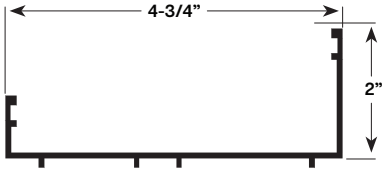
- Part *2* of *2* for *Complete Head Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
210BZ	BRONZE ANODIZED	24 FT.
210C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED SNAP-IN SILL CAN FOR 1" GLASS

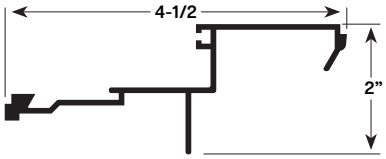
- Part *1* of *3* for *Complete Sill Can Assembly*
- Used with *200, 300 & 400 Series Systems*



ITEM NO.	FINISH / COLOR	LENGTH
207BZ	BRONZE ANODIZED	24 FT.
207C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED SNAP-IN SILL CAN INSERT FOR 1" GLASS

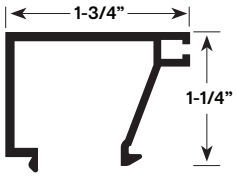
- Part *2* of *3* for *Complete Sill Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
208BZ	BRONZE ANODIZED	24 FT.
208C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED SNAP-IN GLASS STOP FOR 1" GLASS

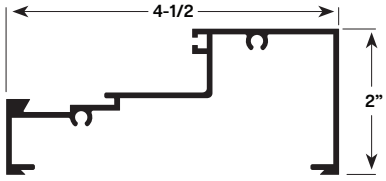
- Part *3* of *3* for *Complete Sill Can Assembly &* Part *2* of *4* for *Horizontal Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
209BZ	BRONZE ANODIZED	24 FT.
209C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED HORIZONTAL CAN FOR 1" GLASS

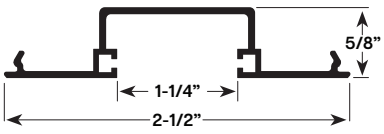
- Part *1* of *4* for *Complete Horizontal Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
214BZ	BRONZE ANODIZED	24 FT.
214C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED OPEN BACK SNAP-IN FILLER W/ POCKET FOR 1" GLASS

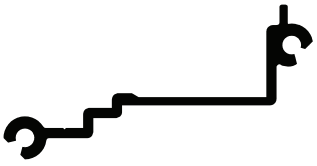
- Part *3* of *4* for *Complete Horizontal Assembly*
- Optional Open Back Filler for *Open Back Wall Jamb 212* or *Door Jamb 203*



ITEM NO.	FINISH / COLOR	LENGTH
213BZ	BRONZE ANODIZED	24 FT.
213C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED HORIZONTAL CLIP W/ SCREWS FOR 1" GLASS

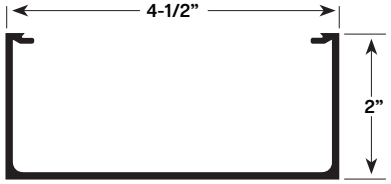
- Part *4* of *4* for *Complete Horizontal Assembly*
- *2 Screws Per Clip*
- *Sold in Packs of 10*



ITEM NO.	FINISH / COLOR
CE2HC	ALUMINUM

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED DOOR JAMB FOR 1" GLASS

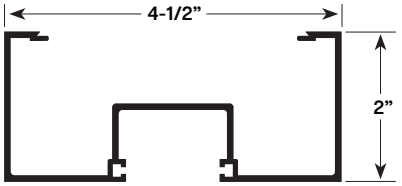
- Compatible with ***213 Open Back Snap-in Filler w/ pocket*** to be Able to Receive Glass on Open-End



ITEM NO.	FINISH / COLOR	LENGTH
203B	BRONZE ANODIZED	24 FT.
203C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED OPEN BACK WALL JAMB FOR 1" GLASS

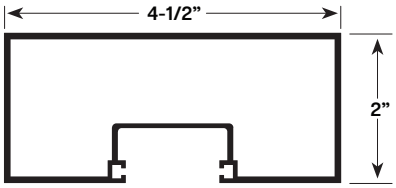
- Compatible with ***213 Open Back Snap-in Filler w/ pocket*** to be Able to Receive Glass on Open-End



ITEM NO.	FINISH / COLOR	LENGTH
212BZ	BRONZE ANODIZED	24 FT.
212C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED ONE POCKET SOLID BACK WALL JAMB FOR 1" GLASS

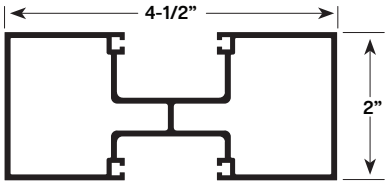
- Commonly Referred as a ***Single Pocket Vertical Mullion***



ITEM NO.	FINISH / COLOR	LENGTH
204B	BRONZE ANODIZED	24 FT.
204C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED VERTICAL MULLION (2 POCKET) FOR 1" GLASS

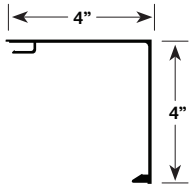
- Commonly Referred as a ***Two Pocket Intermeditate Vertical Mullion***



ITEM NO.	FINISH / COLOR	LENGTH
206B	BRONZE ANODIZED	24 FT.
206C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED CORNER POST W/ NO POCKET FOR 1" GLASS

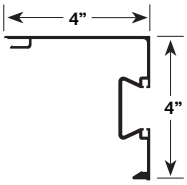
- Compatible with either
  - ***217 Corner Post Without Pocket***
  - ***218 Corner Post With One Pocket***
  - ***219 Corner Post With Two Pockets***



ITEM NO.	FINISH / COLOR	LENGTH
217BZ	BRONZE ANODIZED	24 FT.
217C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED CORNER POST W/ ONE POCKET FOR 1" GLASS

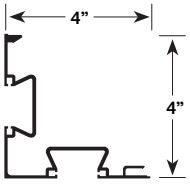
- Compatible with either
  - ***217 Corner Post Without Pocket***
  - ***218 Corner Post With One Pocket***
  - ***219 Corner Post With Two Pockets***



ITEM NO.	FINISH / COLOR	LENGTH
218BZ	BRONZE ANODIZED	24 FT.
218C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED CORNER POST W/ TWO POCKETS FOR 1" GLASS

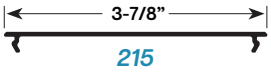
- Compatible with either
  - ***217 Corner Post Without Pocket***
  - ***218 Corner Post With One Pocket***
  - ***219 Corner Post With Two Pockets***



ITEM NO.	FINISH / COLOR	LENGTH
219BZ	BRONZE ANODIZED	24 FT.
219C	CLEAR ANODIZED	24 FT.

HS 200 SERIES 2" X 4-1/2" CENTER GLAZED FILLERS

OPEN BACK FILLER (NO POCKET)



215

- Flush Snap-in Filler for Open Back Door and Wall Jamb

1" POCKET FILLER



- Slide in Pocket Filler for All 1" Pockets

ITEM NO.	LENGTH	FINISH / COLOR	ITEM NO.	LENGTH
215BZ	24 FT.	BRONZE ANODIZED	216BZ	24 FT.
215C	24 FT.	CLEAR ANODIZED	216C	24 FT.

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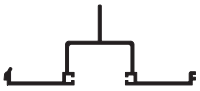
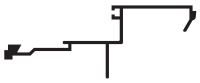
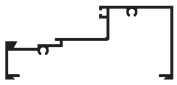
200 SERIES - 2" X 4-1/2" CENTER GLAZE FOR 1" GLASS

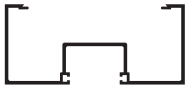
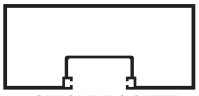
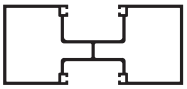
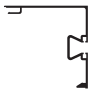
☐ ORDER ☐ QUOTE

COMPANY **JOB NAME**

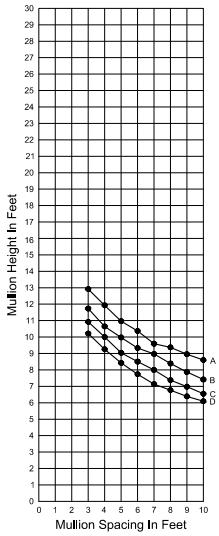
☐ STANDARD DARK BRONZE ANODIZED ☐ CLEAR ANODIZED

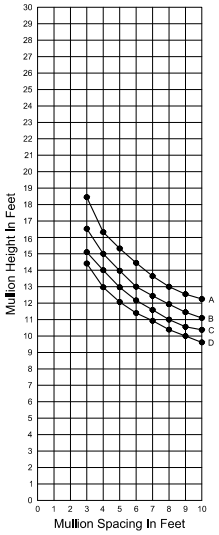
☐ CUSTOM POWDER COAT _____ ☐ CUSTOM ANODIZED FINISH _____

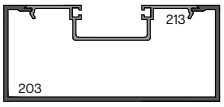
PART#	QTY		PROFILE	NOTES:
211		HEAD CAN ASSEMBLY	 HEAD CAN	
210			 SNAP-IN HEAD CAN FILLER	
207		SILL CAN ASSEMBLY	 SNAP-IN SILL CAN	
208			 SNAP-IN SILL CAN INSERT	
209			 SNAP-IN GLASS STOP	
214		HORIZONTAL ASSEMBLY	 HORIZONTAL CAN	
CE2HC			 HORIZONTAL CLIP	
213			 OPEN-BACK SNAP-IN FILLER WITH POCKET	
215		FILLERS	 OPEN-BACK FILLER (NO POCKET)	
216			 1" POCKET FILLER	

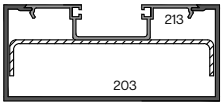
PART#	QTY		PROFILE	NOTES:
203		OPEN BACK WALL JAMB	 DOOR JAMB	
212			 OPEN-BACK WALL JAMB	
204		VERTICAL MULLIONS	 SINGLE POCKET VERTICAL MULLION	
206			 TWO POCKET VERTICAL MULLION	
217		CORNER POST OPTIONS	 CORNER POST WITH NO POCKET	
218			 CORNER POST WITH ONE POCKET	
219			 CORNER POST WITH TWO POCKETS	

ITEM.	QTY	NOTES:
ROLL SIDE LOAD VINYL		
ROLL PUSH-IN TOP VINYL		
STOREFRONT DOOR FRAME		
STOREFRONT DOOR(S)		
CONCEALED DOOR CLOSER		
STOREFRONT DOOR HEADER		
STOREFRONT DOOR THRESHOLD		
S-10 METAL (1/4" SASH)		
M-31 METAL (1" SASH)		
MISC.		





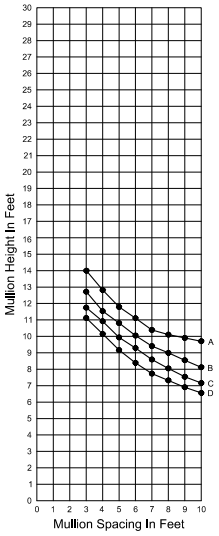


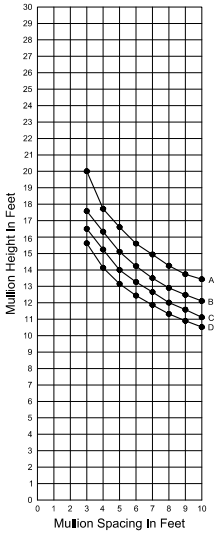


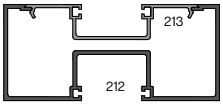
With 12 GA. Steel Stiffener

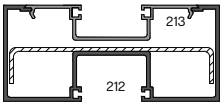
Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF





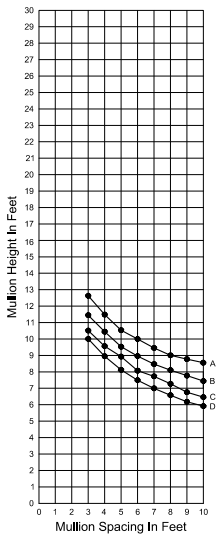


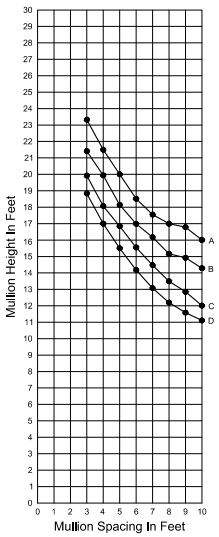


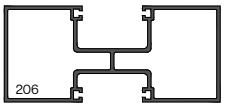
With 12 GA. Steel Stiffener

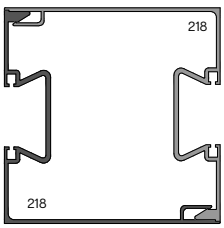
Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF



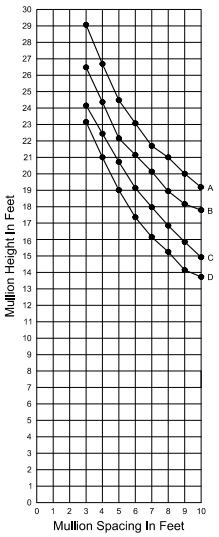




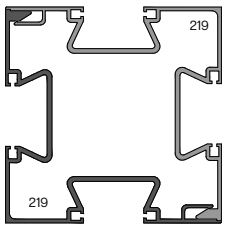


Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF



200 SERIES WIND LOAD CHARTS



Curve Representation

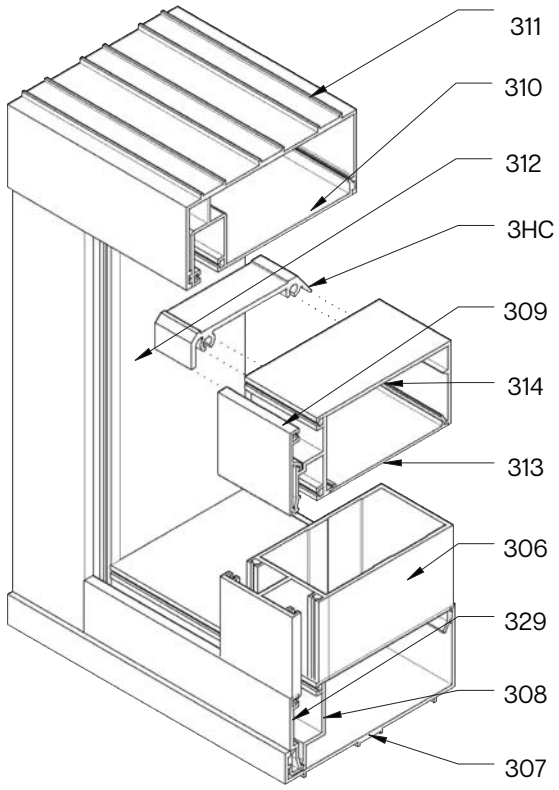
A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

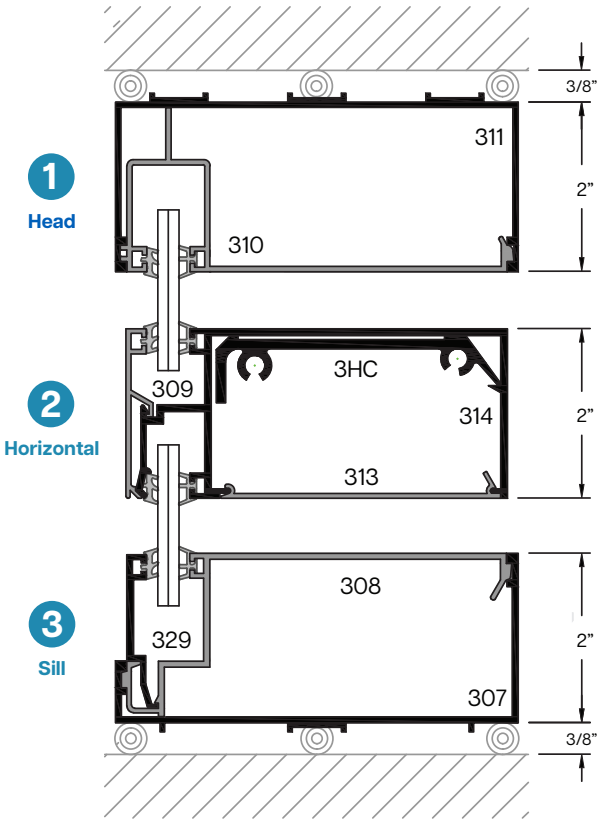
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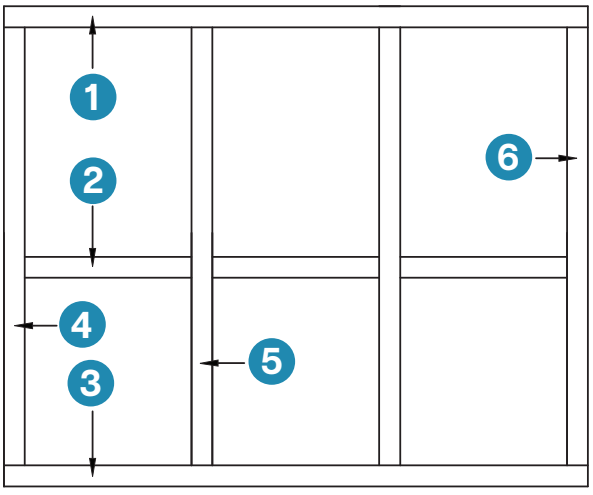
300 SERIES

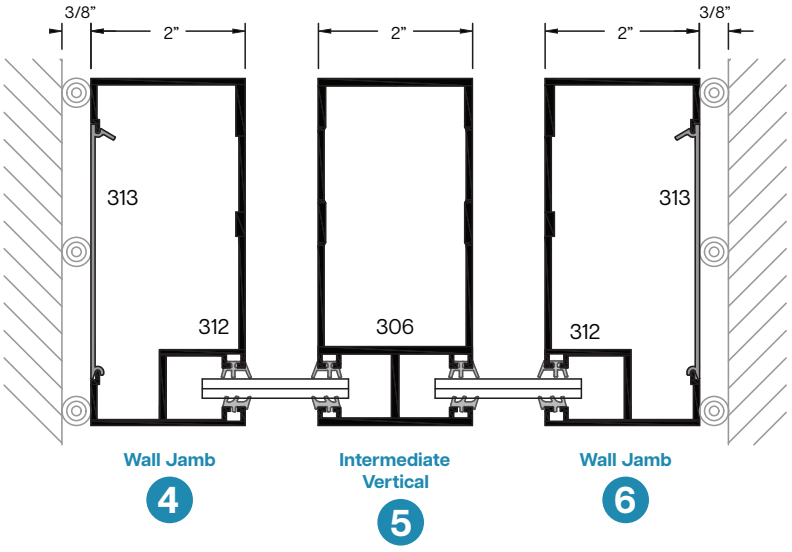
STOREFRONT ALUMINUM SYSTEM

2” X 4-1/2” OFFSET GLAZED (FACE MOUNT)
1/4” GLASS POCKET
SIDE LOAD & NON-THERMAL









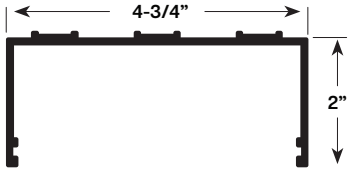
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CONTRACTOR SUPPLIES L11

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED HEAD CAN FOR 1/4" GLASS

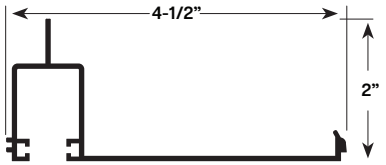
- Part *1* of *2* for *Complete Head Can Assembly*
- Used with *200, 300 & 400 Series Systems*



ITEM NO.	FINISH / COLOR	LENGTH
311BZ	BRONZE ANODIZED	24 FT.
311C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED SNAP-IN HEAD CAN FILLER FOR 1/4" GLASS

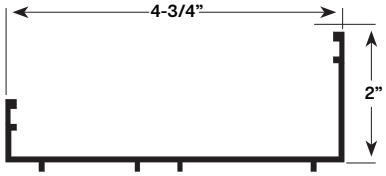
- Part *2* of *2* for *Complete Head Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
310BZ	BRONZE ANODIZED	24 FT.
310C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED SILL CAN FOR 1/4" GLASS

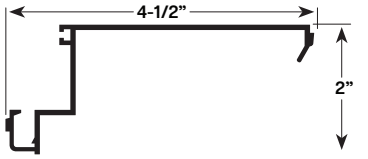
- Part *1* of *3* for *Complete Sill Can Assembly*
- Used with *200, 300 & 400 Series Systems*



ITEM NO.	FINISH / COLOR	LENGTH
307BZ	BRONZE ANODIZED	24 FT.
307C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED SNAP-IN SILL CAN INSERT FOR 1/4" GLASS

- Part *2* of *3* for *Complete Sill Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
308BZ	BRONZE ANODIZED	24 FT.
308C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED SILL CAN GLASS STOP FOR 1/4" GLASS

- Part *3*of *3* for *Complete Sill Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
329BZ	BRONZE ANODIZED	24 FT.
329C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED HORIZONTAL CAN FOR 1/4" GLASS

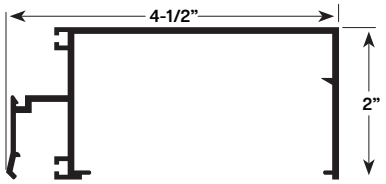
- Part *1* of *4* for *Complete Horizontal Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
309BZ	BRONZE ANODIZED	24 FT.
309C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED HORIZONTAL GLASS STOP FOR 1/4" GLASS

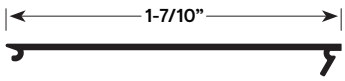
- Part *2* of *4* for *Complete Horizontal Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
314BZ	BRONZE ANODIZED	24 FT.
314C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED OPEN BACK SNAP-IN FILLER FOR 1/4" GLASS

- Part *3* of *4* for *Complete Horizontal Assembly*
- Optional Open Back Filler for ***Open Back Wall Jamb*** *312* or ***Door Jamb*** *303*



ITEM NO.	FINISH / COLOR	LENGTH
313BZ	BRONZE ANODIZED	24 FT.
313C	CLEAR ANODIZED	24 FT.

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HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED HORIZONTAL CLIP W/ SCREWS FOR 1/4" GLASS

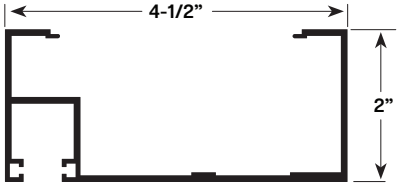
- Part ***4*** of ***4*** for ***Complete Horizontal Assembly***
- 2 Screws Per Clip
- Sold in Packs of 10



ITEM NO.	FINISH / COLOR
CE3HC	ALUMINUM

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED OPEN BACK WALL JAMB FOR 1/4" GLASS

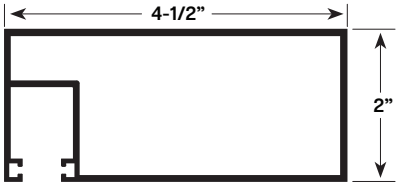
- Compatible with ***113 Open Back Snap-in Filler w/ pocket*** to be Able to Receive Glass on Open-End



ITEM NO.	FINISH / COLOR	LENGTH
312BZ	BRONZE ANODIZED	24 FT.
312C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED ONE POCKET SOLID BACK WALL JAMB FOR 1/4" GLASS

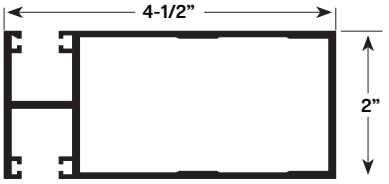
- Commonly Referred as a ***Single Pocket Vertical Mullion***



ITEM NO.	FINISH / COLOR	LENGTH
304B	BRONZE ANODIZED	24 FT.
304C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED VERTICAL MULLION (2 POCKET) FOR 1/4" GLASS

- Commonly Referred as a ***Two Pocket Intermeditate Vertical Mullion***



ITEM NO.	FINISH / COLOR	LENGTH
306B	BRONZE ANODIZED	24 FT.
306C	CLEAR ANODIZED	24 FT.

HS 300 SERIES 2" X 4-1/2" OFFSET GLAZED 1/4" POCKET FILLERS

- Slide in Pocket Filler for All 1/4" Pockets



ITEM NO.	FINISH / COLOR	LENGTH
316BZ	BRONZE ANODIZED	24 FT.
316C	CLEAR ANODIZED	24 FT.

HARDWARE SOLUTIONS

300 SERIES - 2" X 4-1/2" OFFSET GLAZED (FACE MOUNT) 1/4" GLASS POCKET

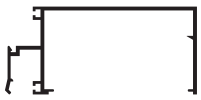
☐ ORDER ☐ QUOTE

COMPANY

JOB NAME

☐ STANDARD DARK BRONZE ANODIZED ☐ CLEAR ANODIZED

☐ CUSTOM POWDER COAT _____ ☐ CUSTOM ANODIZED FINISH _____

PART#	QTY		PROFILE	NOTES:
311		HEAD CAN ASSEMBLY	 HEAD CAN	
310		HEAD CAN ASSEMBLY	 SNAP-IN HEAD CAN FILLER	
307		SILL CAN ASSEMBLY	 SNAP-IN SILL CAN	
308		SILL CAN ASSEMBLY	 SNAP-IN SILL CAN INSERT	
329		SILL CAN ASSEMBLY	 SILL CAN GLASS STOP	
309		HORIZONTAL ASSEMBLY	 HORIZONTAL CAN	
314		HORIZONTAL ASSEMBLY	 HORIZONTAL GLASS STOP	
CE3HC		HORIZONTAL ASSEMBLY	 HORIZONTAL CLIP	
313		FILLERS	 OPEN-BACK FILLER (NO POCKET)	
316		FILLERS	 1/4" POCKET FILLER	

PART#	QTY		PROFILE	NOTES:
312		WALL JAMB	 OPEN-BACK WALL JAMB	
304		VERTICAL MULLIONS	 SINGLE POCKET VERTICAL MULLION	
306		VERTICAL MULLIONS	 TWO POCKET VERTICAL MULLION	

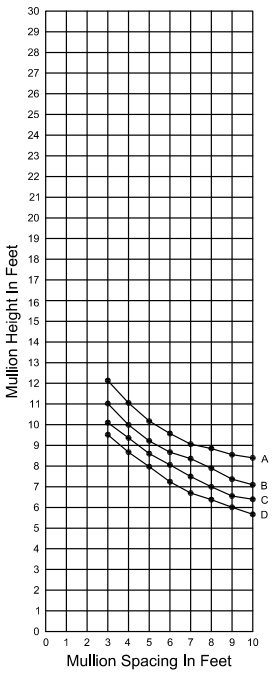
ITEM.	QTY	NOTES:
ROLL SIDE LOAD VINYL		
ROLL PUSH-IN TOP VINYL		
STOREFRONT DOOR FRAME		
STOREFRONT DOOR(S)		
CONCEALED DOOR CLOSER		
STOREFRONT DOOR HEADER		
STOREFRONT DOOR THRESHOLD		
S-10 METAL (1/4" SASH)		
M-31 METAL (1" SASH)		
MISC.		

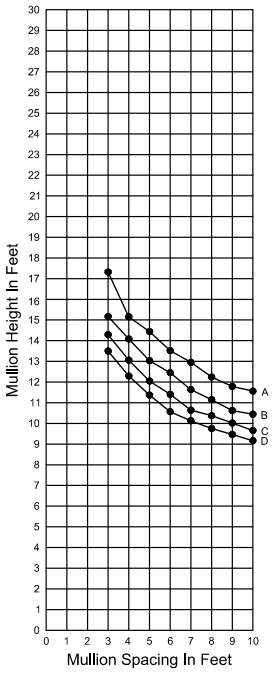
CONTRACTOR SUPPLIES L14

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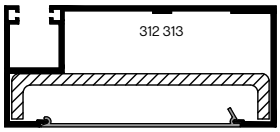
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Email: info@glahs.com | www.hardwaresolutions.com

300 SERIES WIND LOAD CHARTS





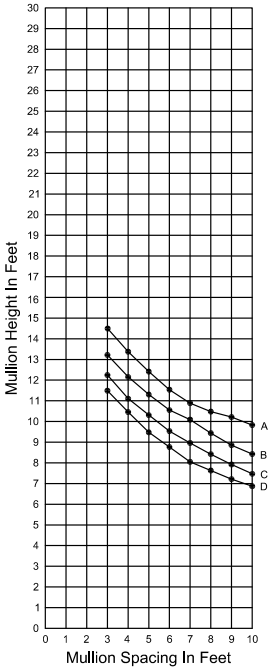


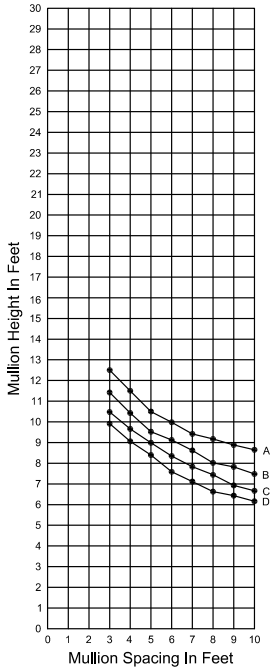


With 12 GA. Steel Stiffener

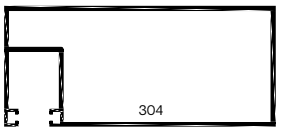
Curve Representation

A = 15 PSF
B = 20 PSF
C = 25 PSF
D = 30 PSF









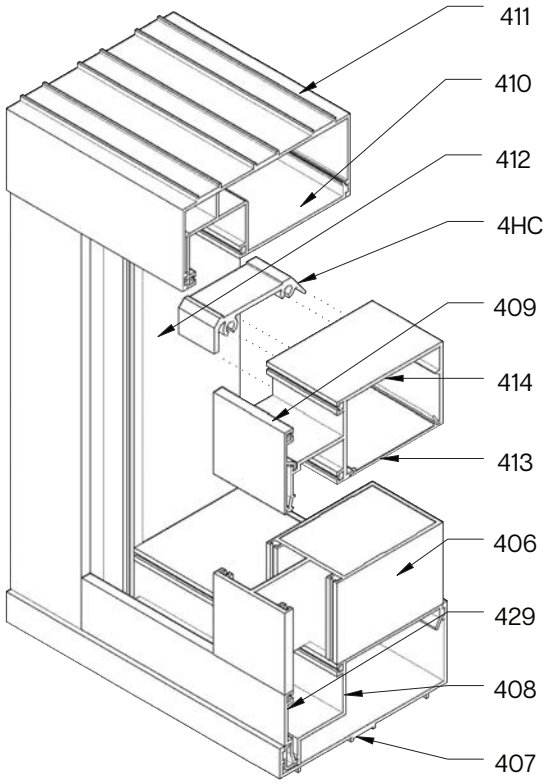
Curve Representation

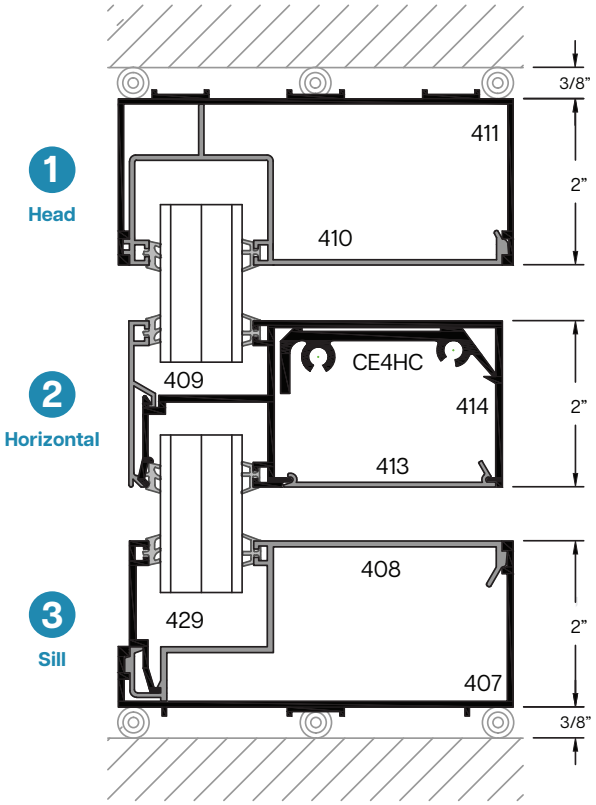
A = 15 PSF
B = 20 PSF
C = 25 PSF
D = 30 PSF

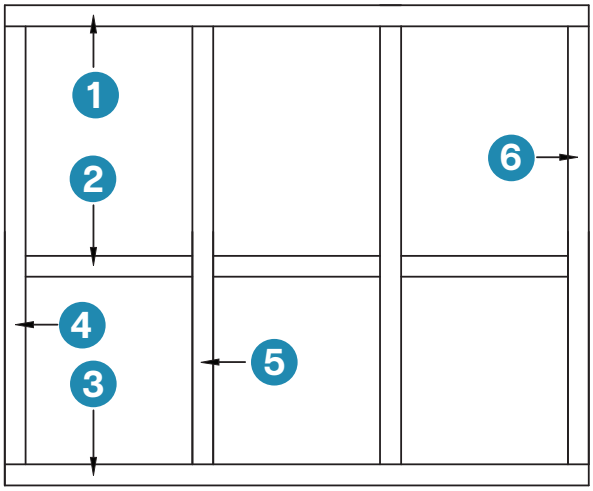
400 SERIES

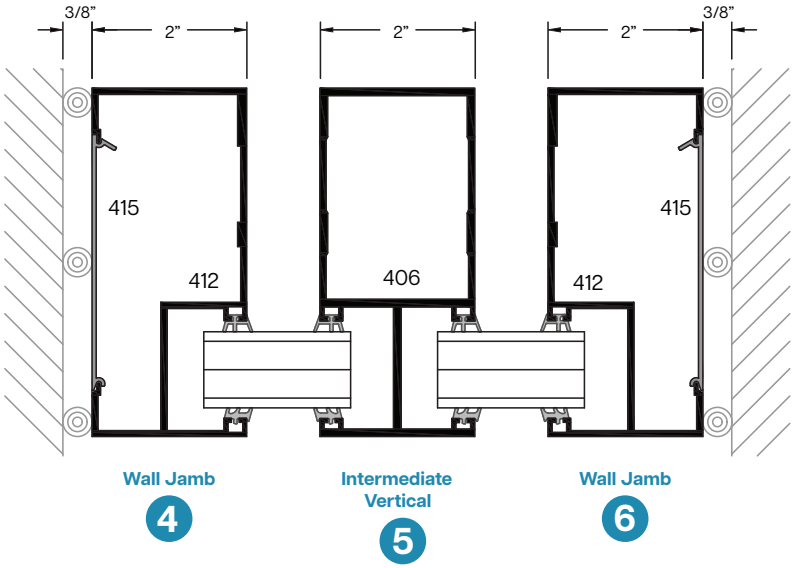
STOREFRONT ALUMINUM SYSTEM

2” X 4-1/2” OFFSET GLAZED (FACE MOUNT)
1” GLASS POCKET
SIDE LOAD & NON-THERMAL





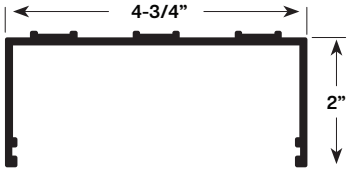




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HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED HEAD CAN FOR 1" GLASS

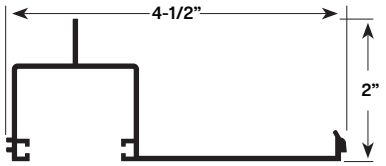
- Part *1* of *2* for *Complete Head Can Assembly*
- Used with *200, 300 & 400 Series Systems*



ITEM NO.	FINISH / COLOR	LENGTH
411BZ	BRONZE ANODIZED	24 FT.
411C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED SNAP-IN HEAD CAN FILLER FOR 1" GLASS

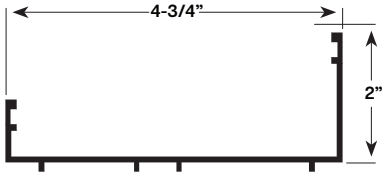
- Part *2* of *2* for *Complete Head Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
410BZ	BRONZE ANODIZED	24 FT.
410C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED SILL CAN FOR 1" GLASS

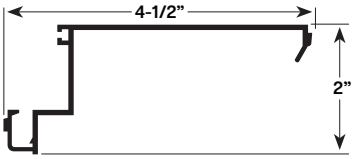
- Part *1* of *3* for *Complete Sill Can Assembly*
- Used with *200, 300 & 400 Series Systems*



ITEM NO.	FINISH / COLOR	LENGTH
407BZ	BRONZE ANODIZED	24 FT.
407C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED SNAP-IN SILL CAN INSERT FOR 1" GLASS

- Part *2* of *3* for *Complete Sill Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
408BZ	BRONZE ANODIZED	24 FT.
408C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED SILL CAN GLASS STOP FOR 1" GLASS

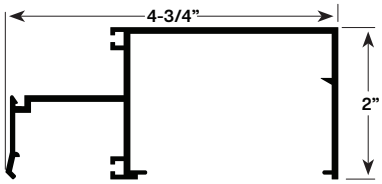
- Part *3* of *3* for *Complete Sill Can Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
429BZ	BRONZE ANODIZED	24 FT.
429C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED HORIZONTAL CAN FOR 1" GLASS

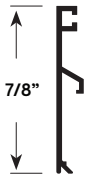
- Part *1* of *4* for *Complete Horizontal Assembly*
- Compatible with *415 Open Back Snap-in Filler* to be Able to Receive Glass on Open-End



ITEM NO.	FINISH / COLOR	LENGTH
414BZ	BRONZE ANODIZED	24 FT.
414C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED HORIZONTAL GLASS STOP FOR 1" GLASS

- Part *2* of *4* for *Complete Horizontal Assembly*



ITEM NO.	FINISH / COLOR	LENGTH
409BZ	BRONZE ANODIZED	24 FT.
409C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2"OFFSET GLAZED HORIZONTAL CLIP W/ SCREWS FOR 1" GLASS

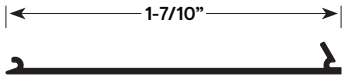
- Part *3* of *4* for *Complete Horizontal Assembly*
- 2 Screws Per Clip
- Sold in Packs of 10



ITEM NO.	FINISH / COLOR
CE4HC	ALUMINUM

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED HORIZONTAL CAN FILLER FOR 1" GLASS

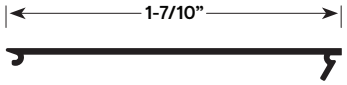
- Part *4* of *4* for *Complete Horizontal Assembly*
- Optional Open Back Filler for *Open Back Wall Jamb 412* or *Horizontal Can 414*



ITEM NO.	FINISH / COLOR	LENGTH
413BZ	BRONZE ANODIZED	24 FT.
413C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED OPEN BACK WALL JAMB FILLER FOR 1" GLASS

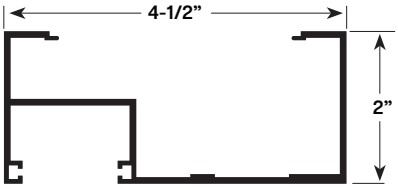
- Part *1* of *2* for *Complete Wall Jamb Assembly*
- Compatible for *Open Back Wall Jamb 412*



ITEM NO.	FINISH / COLOR	LENGTH
415BZ	BRONZE ANODIZED	24 FT.
415C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED OPEN BACK WALL JAMB FOR 1" GLASS

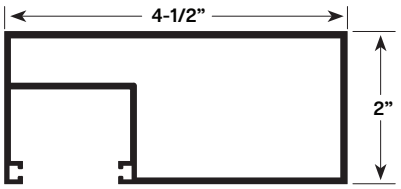
- Compatible with *415 Open Back Snap-in Filler w/ pocket* to be Able to Receive Glass on Open-End



ITEM NO.	FINISH / COLOR	LENGTH
412BZ	BRONZE ANODIZED	24 FT.
412C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED ONE POCKET SOLID BACK WALL JAMB FOR 1" GLASS

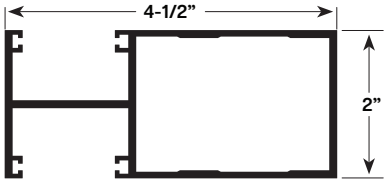
- Commonly Referred as a *Single Pocket Vertical Mullion*



ITEM NO.	FINISH / COLOR	LENGTH
404B	BRONZE ANODIZED	24 FT.
404C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED VERTICAL MULLION (2 POCKET) FOR 1" GLASS

- Commonly Referred as a *Two Pocket Intermeditate Vertical Mullion*



ITEM NO.	FINISH / COLOR	LENGTH
406B	BRONZE ANODIZED	24 FT.
406C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED 1" POCKET FILLER FOR 1" GLASS

- Slide in Pocket Filler for All 1" Pockets



ITEM NO.	FINISH / COLOR	LENGTH
416BZ	BRONZE ANODIZED	24 FT.
416C	CLEAR ANODIZED	24 FT.

HS 400 SERIES 2" X 4-1/2" OFFSET GLAZED 1/4" POCKET REDUCER OFFSET FOR 1" GLASS



ITEM NO.	FINISH / COLOR	LENGTH
421B	BRONZE ANODIZED	24 FT.
421C	CLEAR ANODIZED	24 FT.

HARDWARE SOLUTIONS LLC
1690 W Frontage Rd, Chula Vista, CA 91911
Direct: (619) 737-9999 | Text: (619) 796-6088
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HARDWARE SOLUTIONS

400 SERIES - 2" X 4-1/2" OFFSET GLAZED (FACE MOUNT) FOR 1" GLASS

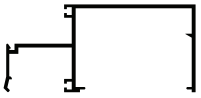
☐ ORDER ☐ QUOTE

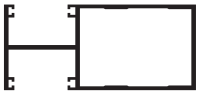
COMPANY

JOB NAME

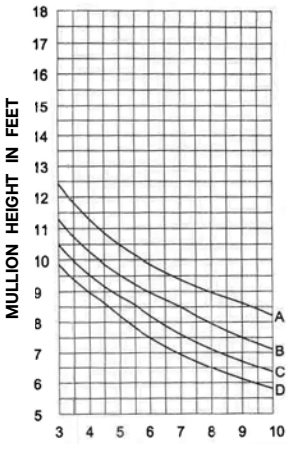
☐ STANDARD DARK BRONZE ANODIZED ☐ CLEAR ANODIZED

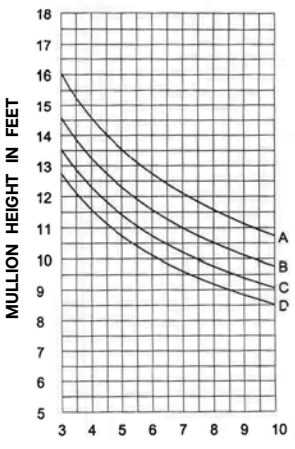
☐ CUSTOM POWDER COAT _____ ☐ CUSTOM ANODIZED FINISH _____

PART#	QTY		PROFILE	NOTES:
411		HEAD CAN ASSEMBLY	 HEAD CAN	
410		HEAD CAN ASSEMBLY	 SNAP-IN HEAD CAN FILLER	
407		SILL CAN ASSEMBLY	 SNAP-IN SILL CAN	
408		SILL CAN ASSEMBLY	 SNAP-IN SILL CAN INSERT	
429		SILL CAN ASSEMBLY	 SILL CAN GLASS STOP	
414		HORIZONTAL ASSEMBLY	 HORIZONTAL CAN	
409		HORIZONTAL ASSEMBLY	 HORIZONTAL GLASS STOP	
CE4HC		HORIZONTAL ASSEMBLY	 HORIZONTAL CLIP	
413		FILLERS	 HORIZONTAL CAN FILLER	
416		FILLERS	 1" POCKET FILLER	

PART#	QTY		PROFILE	NOTES:
412		OPEN BACK WALL JAMB	 OPEN-BACK WALL JAMB	
415		OPEN BACK WALL JAMB	 OPEN-BACK WALL JAMB FILLER	
404		VERTICAL MULLIONS	 SINGLE POCKET VERTICAL MULLION	
406		VERTICAL MULLIONS	 TWO POCKET VERTICAL MULLION	
421		CORNER POST OPTIONS	 1/4" POCKET REDUCER OFFSET	

ITEM.	QTY	NOTES:
ROLL SIDE LOAD VINYL		
ROLL PUSH-IN TOP VINYL		
STOREFRONT DOOR FRAME		
STOREFRONT DOOR(S)		
CONCEALED DOOR CLOSER		
STOREFRONT DOOR HEADER		
STOREFRONT DOOR THRESHOLD		
S-10 METAL (1/4" SASH)		
M-31 METAL (1" SASH)		
MISC.		

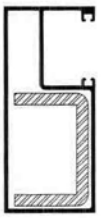






I = 2.841 IN 4
S = 1.198 IN 3

DJM-260

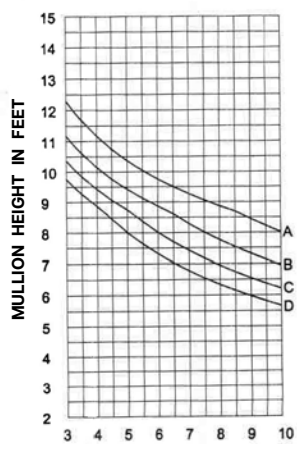


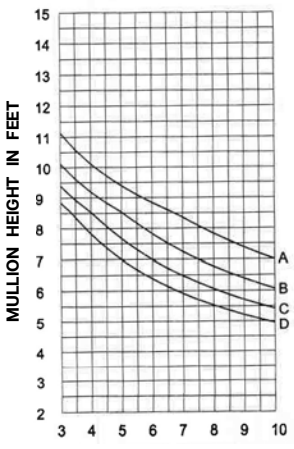
I = 6.109 IN 4

DJM-260 WITH STEEL REINFORCEMENT
1 5/8" X 2 7/16 X 1/4"

Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF







I = 2.747 IN 4
S = 1.142 IN 3

DJM-265
W/ FF-200



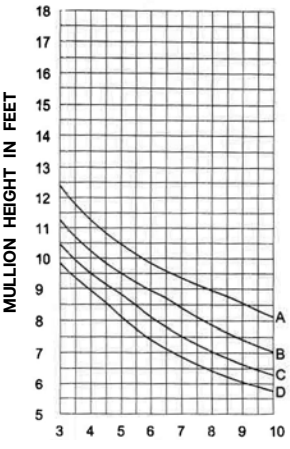
I = 2.041 IN 4
S = 0.870 IN 3

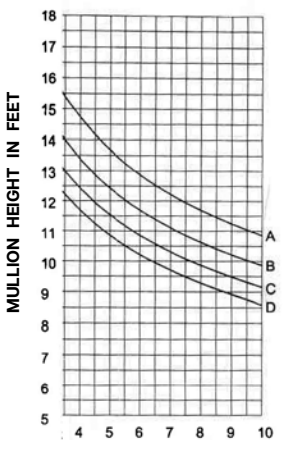
MO-379

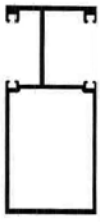
Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

400 SERIES WIND LOAD CHARTS

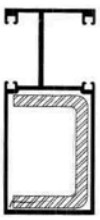






I = 2.818 IN 4
S = 1.171 IN 3

MO-255

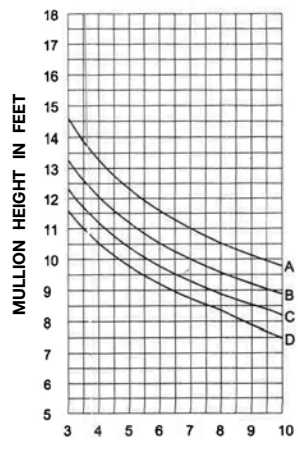


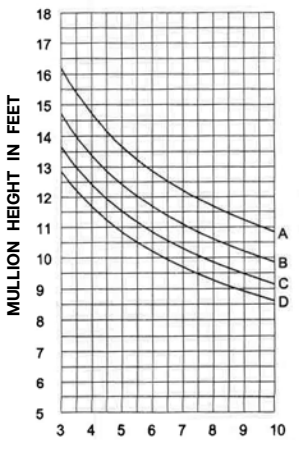
I = 6.295 IN 4

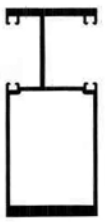
MO-255 WITH STEEL REINFORCEMENT
1 5/8" X 2 1/2 X 1/4"

Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

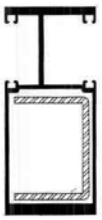






I = 4.600 IN 4
S = 1.990 IN 3

MO-258



I = 6.279 IN 4

MO-258 WITH STEEL REINFORCEMENT
1 5/8" X 2 1/4 X 10 GA.

Curve Representation

A = 15 PSF C = 25 PSF
B = 20 PSF D = 30 PSF

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HS S-10 SASH METAL CLIP SYSTEM FOR 1/4" GLASS



- S-10 System Is Designed for Framing 1/4" (6 MM) Glass in Both Residential and Commercial Applications
- It Is Frequently Used for Interior or Exterior Applications and Is Often Used as Transom Window Framing Above Door Frame Headers
- Used With Sash Clips **CDSC**

S-10 Sash Transom Base

ITEM NO.	DESCRIPTION	LENGTH	COLOR
S10BBZ	BASE	24 FT.	BRONZE ANODIZED
S10FC			CLEAR ANODIZED

S-10 Sash Transom Face

ITEM NO.	DESCRIPTION	LENGTH	COLOR
S10BBZ	FACE	24 FT.	BRONZE ANODIZED
S10FC			CLEAR ANODIZED

Commercial Door Sash Clip

ITEM NO.	QTY
CDSC	16 PER BAG



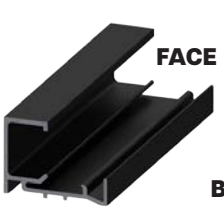




Bronze Anodized
S10BZ



Clear Anodized
S10C





Sash Clips
CDSC

HS M-31 SASH METAL ADJUSTABLE SYSTEM FOR 1" OR 1/2" GLASS



- Transom Sash Base Component Used in Commercial Storefront and Window Systems
- This System's Unique Design Works With 1" or 1/2" Glass Applications
- Used With Gasket **DWSBTB**

M-31 Sash Transom Base

ITEM NO.	DESCRIPTION	LENGTH	COLOR
810BZ	BASE	24 FT.	BRONZE ANODIZED
810C			CLEAR ANODIZED

M-31 Sash Transom Face

ITEM NO.	DESCRIPTION	LENGTH	COLOR
811BZ	FACE	24 FT.	BRONZE ANODIZED
811C			CLEAR ANODIZED

Black Bulb Type Gasket

ITEM NO.	A	B	C	LENGTH
DWSBTB	5/16" (8 MM)	5/16" (8 MM)	3/16" (5 MM)	750 FT.





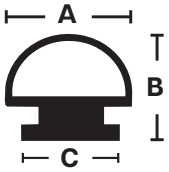
Bronze Anodized
S10C



Clear Anodized
S10BZ



Bulb Type Gasket
DWSBTB



HS STOREFRONT SHALLOW DIVISION BAR

- This System's Shallow Profile Is Designed to Divide Vertically Large Glass Lites in Existing Storefront Systems
- This System Is Used With Division Bard Glazing Vinyl **DBVIN**
- Used With Pan Head Screws **DBPHSC** & **DBPHSBZ**

Shallow Face

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
907BZ	1-3/4"	5/8"	21 FT.	BRONZE ANODIZED
907C				CLEAR ANODIZED

Snap Base

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
909BZ	1-3/4"	5/8"	21 FT.	BRONZE ANODIZED
909C				CLEAR ANODIZED

Pan Head Machine Screws

ITEM NO.	SIZE	QTY	COLOR
DBPHDBZ	1/4"-20 X 1"	20 P/BAG	BRONZE ANODIZED
DBPHSC			CLEAR ANODIZED

Division Bar Glazing Vinyl

ITEM NO.	LENGTH	COLOR
DBVIN	96 FT.	BLACK

Shallow Face
907BZ



Shallow Face
907C



Snap Base
909BZ

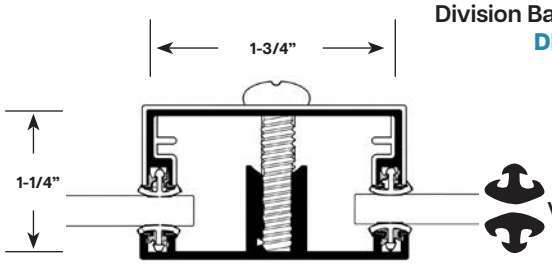
Snap Base
909C



1/4"-20 X 1" (20 P/BAG)
DBPHSC



Division Bar Glazing Vinyl
DBVIN



HS STOREFRONT DEEP DIVISION BAR

- This System's Deep Profile Is Designed to Divide Vertically Large Glass Lites in Existing Storefront Systems
- This System Is Used With Division Bard Glazing Vinyl **DBVIN**
- Used With Pan Head Screws **DBPHDC** & **DBPHSC**

Deep Face

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
908BZ	1-3/4"	1-1/2"	21 FT.	BRONZE ANODIZED
908C				CLEAR ANODIZED

Snap Base

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
909BZ	1-3/4"	5/8"	21 FT.	BRONZE ANODIZED
909C				CLEAR ANODIZED

Pan Head Machine Screws

ITEM NO.	SIZE	QTY	COLOR
DBPHSBZ	1/4"-20 X 2"	20 P/BAG	BRONZE ANODIZED
DBPHSC			CLEAR ANODIZED

Division Bar Glazing Vinyl

ITEM NO.	LENGTH	COLOR
DBVIN	96 FT.	BLACK

Deep Face
908BZ



Deep Face
908C



Snap Base
909BZ

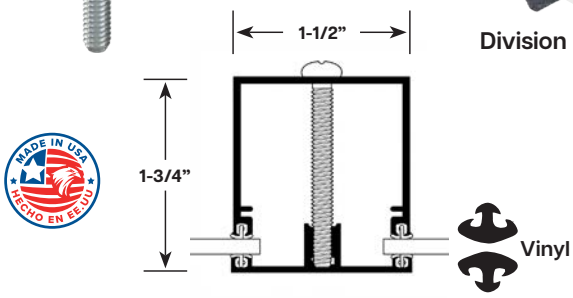
Snap Base
909C



1/4"-20 X 2" (20 P/BAG)
DBPHDC



Division Bar Glazing Vinyl
DBVIN



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HS DIVISION BAR 90° SNAP FOR 1/4" GLASS

- Designed for Seamless Installation and a Clean, Modern Aesthetic, This Profile Allows Contractors to Securely Join Glass Panels at a Precise 90-Degree Corner Without Sacrificing Structural Integrity
- This System Takes Either Deep or Shallow Division Face **907** & **908**
- This System Takes Vinyl Part **DBVIN**

ITEM NO.	GLASS SIZE	FINISH / COLOR
DB90BZ	1/4"	BRONZE ANODIZED
DB90C		CLEAR ANODIZED
DBVIN	96 FT.	BLACK



HS 3/4" LOW PROFILE STYLE SURFACE MOUNTED 2 PART DOOR STOP



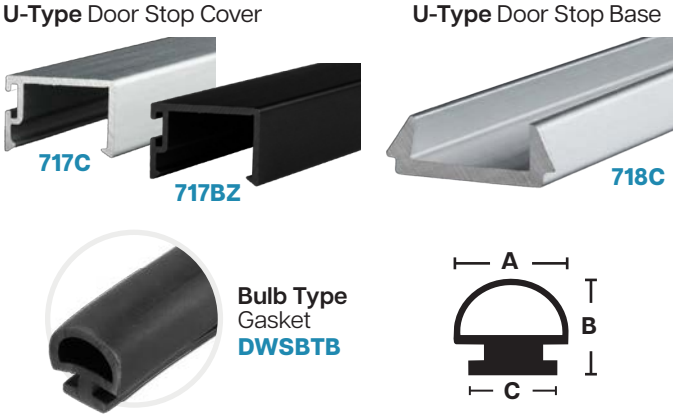
- Designed With a Specialized U-Type Profile, This Architectural Component Provides Reliable Door Alignment, Secure Stopping Performance, and a Clean Sightline for Demanding High-Traffic Environments
- This System Takes Vinyl Part **DWSBTB**

U-Type Door Stop Cover

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
717BZ	3/4"	1/2"	21 FT.	BRONZE ANODIZED
717C				CLEAR ANODIZED

U-Type Door Stop Base

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
718C	5/8"	1/4"	21 FT.	CLEAR ANODIZED



Black Bulb Type Gasket

ITEM NO.	A	B	C	LENGTH
DWSBTB	5/16" (8 MM)	5/16" (8 MM)	3/16" (5 MM)	750 FT.

HS 1-3/16" WIDE PROFILE STYLE SURFACE MOUNTED 2 PART DOOR STOP



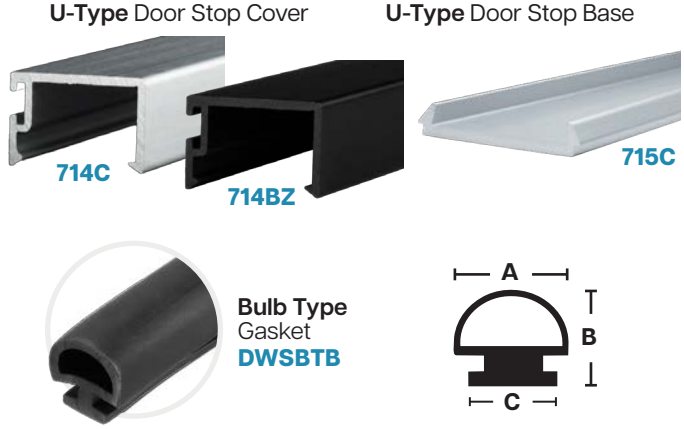
- Designed With a Specialized U-Type Profile, This Architectural Component Provides Reliable Door Alignment, Secure Stopping Performance, and a Clean Sightline for Demanding High-Traffic Environments
- This System Takes Vinyl Part **DWSBTB**

U-Type Door Stop Cover

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
714BZ	3/16"	7/8"	21 FT.	BRONZE ANODIZED
714C				CLEAR ANODIZED

U-Type Door Stop Base

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
715C	1/4"	1/16"	21 FT.	CLEAR ANODIZED



Black Bulb Type Gasket

ITEM NO.	A	B	C	LENGTH
DWSBTB	5/16" (8 MM)	5/16" (8 MM)	3/16" (5 MM)	750 FT.

HS SNAP-IN STYLE DOOR STOP FOR 1/4" POCKETS



Bulb Type Gasket
DWSBTB





- Built to Accommodate a 1/4" Pocket, This Snap-in Stop Secures Glass or Panels Firmly While Offering a Clean, Professional Finish and Quick Installation
- Compatible with Bulb Type Vinyl Gasket **DWSBTB**

ITEM NO.	LENGTH	COLOR
712BZ	21 FT.	BRONZE
712C		CLEAR ANODIZED

HS SNAP-IN STYLE DOOR STOP FOR 1" POCKETS



Bulb Type Gasket
DWSBTB





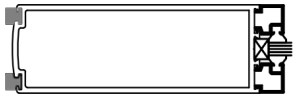
- Specifically Designed as a Snap-in Door Stop for Commercial Storefront Doors and Framing Setups Requiring a 1" Pocket Configuration
- Compatible with Bulb Type Vinyl Gasket **DWSBTB**

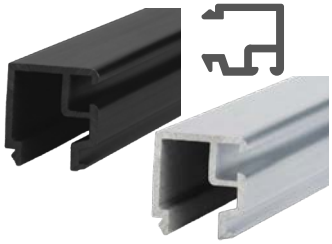
ITEM NO.	LENGTH	COLOR
713BZ	21 FT.	BRONZE ANODIZED
713C		CLEAR ANODIZED

HS STOREFRONT DOOR GLASS STOPPER FOR 1/4" GLASS



Bulb Type
Gasket
DWSBTB





- Designed to Securely Hold 1/4" Glass Panels, This Component Ensures a Tight, Clean Fit While Preserving the Structural Integrity and Aesthetic Appeal of Commercial Entryways
- Compatible with Bulb Type Vinyl Gasket **DWSBTB**

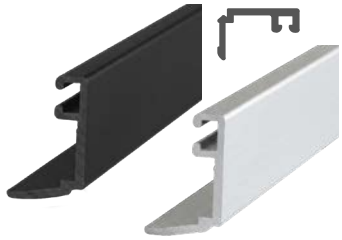
ITEM NO.	LENGTH	COLOR
710BZ	20 FT.	BRONZE ANODIZED
710C		CLEAR ANODIZED

HS STOREFRONT DOOR GLASS STOPPER FOR 1" GLASS



Bulb Type
Gasket
DWSBTB





- Designed for Thick Glazing Configurations, This Component Securely Captures and Holds 1" Insulating Glass Panels, Ensuring Structural Stability, Weather Resistance, and a Clean Professional Sightline
- Compatible with Bulb Type Vinyl Gasket **DWSBTB**

ITEM NO.	LENGTH	COLOR
711BZ	20 FT.	BRONZE ANODIZED
711C		CLEAR ANODIZED

HS 1/4" POCKET REDUCER OFFSET







- Features a Precision-extruded Profile That Snaps Quickly and Securely Into Place, Reducing Installation Time on the Job Site While Maintaining a Tight, Rattle-Free Fit

ITEM NO.	LENGTH	COLOR
421BZ	21 FT.	BRONZE ANODIZED
421C		CLEAR ANODIZED

HS ARCHITECTURAL GRADE SQUARE TUBING

Endless Applications



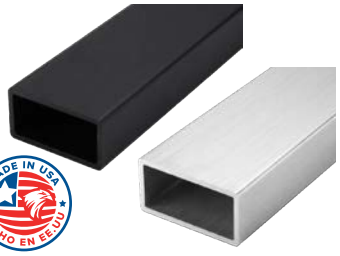
- **1/8" Thick Aluminum**
- Features Crisp 90-Degree Outer and Inner Corners With Uniform Wall Thicknesses, Delivering a Clean, Professional Aesthetic for Exposed Applications
- Highly Workable; Easily Cut, Machined, Drilled, and Welded or Mechanically Fastened to Suit Your Exact Layout Requirements

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
950BZ	2"	2"	24 FT.	BRONZE ANODIZED
950C				CLEAR ANODIZED

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HS ARCHITECTURAL GRADE RECTANGULAR TUBING

Endless Applications



- **1/8" Thick Aluminum**
- This Extruded Aluminum Tubing Delivers Clean Lines, Sharp 90-degree Corners, and a Seamless Profile Tailored for Professional Applications

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
951BZ	4"	1-3/4"	24 FT.	BRONZE ANODIZED
951C				CLEAR ANODIZED
952BZ	4-1/4"	2"		BRONZE ANODIZED
952C				CLEAR ANODIZED

HS ARCHITECTURAL FLAT BAR



- Extruded From High-Grade Architectural Aluminum Alloys Ensuring Excellent Durability & Load-Bearing Performance
- Clean, Square Edges With Tight Dimensional Tolerances, Allowing for Seamless Integration Into Framing Systems, Trim Work, Glazing Assemblies, and Custom Fabrication

Endless Applications

ITEM NO.	WIDTH	THICKNESS	LENGTH	COLOR
FLBBZ	1-1/2"	1/8"	12 FT.	BRONZE ANODIZED
FLBC				CLEAR ANODIZED
713CH				CHROME

HS SERIES 100 & 200 CENTER GLAZED HORIZONTAL CLIPS WITH SCREWS



- Essential For Connecting Horizontal Members To Vertical Mullions In Their Non-screw-Spline Systems
- The Horizontal Member Then Slides Over Or Rests On The Clip And Is Secured With Additional Fasteners

ITEM NO.	GLASS THICKNESS	FINISH / COLOR
CE1HC	1/4" GLASS	ALUMINUM
CE2HC	1" GLASS	

HS SERIES 300 & 400 OFFSET GLAZED HORIZONTAL CLIPS WITH SCREWS



- Essential For Connecting Horizontal Members To Vertical Mullions In Their Non-screw-Spline Systems
- The Horizontal Member Then Slides Over Or Rests On The Clip And Is Secured With Additional Fasteners

ITEM NO.	GLASS THICKNESS	FINISH / COLOR
CE3HC	1/4" GLASS	ALUMINUM
CE4HC	1" GLASS	

HS GLAZING VINYL FOR DIVISION BARS



- Engineered Specifically for Securing Glass Panels Within Architectural Division Bars
- This Specialized Profile Provides Exceptional Sealing, Cushioning, and Weather-Resistant Performance for Commercial Storefronts, Window Manufacturing, and Glazing Installations

ITEM NO.	LENGTH	COLOR
DBVIN	96 FT.	BLACK

HS BLACK BULB TYPE GASKET FOR DOOR & WINDOW





- This Back Load is Compatible With HS Storefront Aluminum Systems 100, 200, 300 & 400 Series
- Used with HS M-31 Sash System
- Flexible Black Silicone With a Hollow Tubular Bulb for Compression Sealing and an Integrated T-Shaped Foot/Fin for Channel Mounting

ITEM NO.	A	B	C	LENGTH
DWSBTB	5/16" (8 MM)	5/16" (8 MM)	3/16" (5 MM)	750 FT.

HS GENERAL GRADE L-ANGLE

- **1/16" Thick Aluminum**
- Ideal for Edge Protection, Corner Trim, Framing Transitions, and General Architectural Fabrication Across Commercial and Residential Job Sites



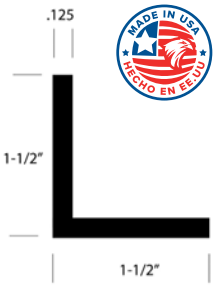
Endless Applications

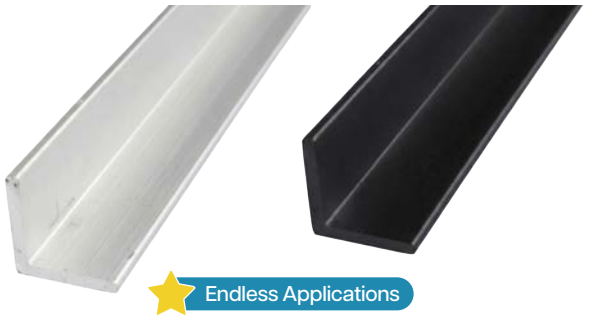
ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
928BZ	3/4"	3/4"	12 FT.	BRONZE ANODIZED
929C				CLEAR ANODIZED
926BN				BRUSHED NICKEL
927CH				CHROME
920BZ	1/2"	1/2"	12 FT.	BRONZE ANODIZED
921C				CLEAR ANODIZED
918BN				BRUSHED NICKEL
919CH				CHROME

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
916BZ	1"	1"	12 FT.	BRONZE ANODIZED
917C				CLEAR ANODIZED
914BN				BRUSHED NICKEL
915CH				CHROME

HS ARCHITECTURAL GRADE L-ANGLE

- **1/8" Thick Aluminum**
- This Profile Delivers a Sleek Modern Aesthetic Combined With Rugged, Industrial-Grade Durability
- Built From High-Quality Extruded Aluminum, It Is Engineered to Resist Corrosion, Making It the Ideal Choice for Exposed Interior and Exterior Architectural Accents, Storefront Framing, Edge Protection, and Custom Fabrication





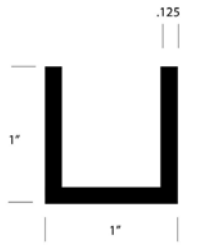
Endless Applications

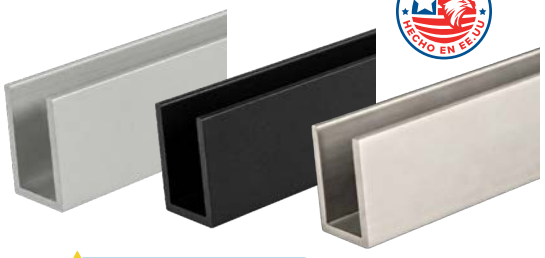
ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
910BZ	1-1/2"	1-1/2"	10 FT.	BRONZE ANODIZED
911BZ			20 FT.	BRONZE ANODIZED
912C			10 FT.	CLEAR ANODIZED
913C			20 FT.	CLEAR ANODIZED

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
922BN	2"	2"	10 FT.	BRONZE ANODIZED
923CH			20 FT.	BRONZE ANODIZED
924BZ			10 FT.	CLEAR ANODIZED
925C			20 FT.	CLEAR ANODIZED

ITEM NO.	WIDTH	HEIGHT	LENGTH	COLOR
939BZ	1"	1"	10 FT.	BRONZE ANODIZED
940C				CLEAR ANODIZED
937BZ	1"	1"	20 FT.	BRONZE ANODIZED
938C				CLEAR ANODIZED
941BN				BRUSHED NICKEL
935BZ	1"	1-1/2"	10 FT.	BRONZE ANODIZED
931C				CLEAR ANODIZED
936BN				BRUSHED NICKEL
934BZ	1"	1-1/2"	20 FT.	BRONZE ANODIZED
932C				CLEAR ANODIZED
932BN				BRUSHED NICKEL

HS ARCHITECTURAL GRADE U-CHANNEL





Endless Applications

- **1/8" Thick Aluminum**
- Ideal for Securing Fixed Glass Panels, Mirrors, Architectural Partitions, and Edge Protection in Commercial and High-End Residential Installations
- Extruded From High-Grade Architectural Aluminum (6063-T5 Alloy) for Superior Structural Strength and Corrosion Resistance
- Clean, Sharp 90-Degree Internal and External Corners Designed for Seamless Glass Retention and Architectural Framing Alignment

HARDWARE SOLUTIONS LLC
1690 W Frontage Rd, Chula Vista, CA 91911
Direct: **(619) 737-9999** | Text: **(619) 796-6088**
Email: **info@glahs.com** | **www.hardwaresolutions.com**

Duranar Coatings

2-Coat System: Primer & Color

The color chip samples and codes shown in this guide represent Duranar Extrusion Liquid Coatings. These same colors may be available for other coatings technologies and product lines. See the Order Today section for more detail and availability.

01. Bone White UC43350 SRI 88	02. Graham White UC72638 SRI 95	03. Bone White UC109880 SRI 84	04. Bright White UC55026 SRI 95	05. Colonial White UC54983 SRI 88
06. Ivory UC54412 SRI 74	07. Malt UC105738 SRI 74	08. Natural Wicker UC10574 SRI 86	09. Caramel Latte UC105737 SRI 70	10. Sahara Sand UC72861 SRI 62
11. Sandstone UC109856 SRI 59	12. Beige UC54137 SRI 61	13. Seawolf UC109855 SRI 43	14. Antique Bronze UC100027 SRI 29	15. Fairview Taupe UC105741 SRI 17
16. Cocoa Bean UC105735 SRI 8	17. Medium Bronze UC109862 SRI 10	18. Bronze UC110460 SRI 2	19. Statuary Bronze UC43347 SRI 2	20. Bronze UC109850 SRI 2
21. Brick Red UC43355 SRI 31	22. River Rouge Red UC52006 SRI 1	23. Roasted Red Pepper* UC102320XL SRI 48	24. Aged Copper UC54434 SRI 49	25. Bermuda Blue UC106661 SRI 12
26. Fashion Gray UC51825 SRI 33	27. Eclipse Gray UC106669 SRI 8	28. Charcoal UC109852 SRI 4	29. Charcoal Gray UC54271 SRI 4	30. Black UC40577 SRI -3

*Duranar XL Coatings (3-coat system) color requires XL clear coat due to pigmentation

Duranar Sunstorm Coatings

2-Coat System: Primer & Mica-Containing Color Coat

The *Duranar* color chips provided in our color guide are as close as possible to the *Duranar* paint color, however color chip reproduction has limitations. Panels of the actual *Duranar* Finish are available upon request. The color guide represents the range of available colors, and custom color matches are available within the limits of durable color pigments.



31. Platinum Mica
UC106682F
SRI 59

32. Renaissance Silver
UC106663F
SRI 81



33. Silver
UC70470F
SRI 68



34. Arcadia Silver
UC70123F
SRI 59



35. Silversmith
UC70092
SRI 47



36. Anodic Clear
UC110423F
SRI 53



37. Galaxy Silver
UC106683F
SRI 51



38. Satin Nickel
UC106684F
SRI 36



39. Pewter
UC110227F
SRI 27



40. Pewter
UC70191F
SRI 26



41. Silver Gray
UC70192F
SRI 33



42. Silverstorm
UC106685F
SRI 17



43. Medium Gray
UC102662F
SRI 16



44. Gray Velvet
UC70214F
SRI 15



45. Cosmic Gray Mica
UC106686
SRI 6

46. Washington White
UC70129BC
SRI 92

47. Manhattan Beige Pearl
UC106687
SRI 66

48. Sunlight Silver
UC106681F
SRI 76



49. Moondust Mica
UC106688F
SRI 55



50. Champagne
UC70104F
SRI 44



51. Natural Suede Mica
UC106666F
SRI 55



52. Champagne Bronze
UC70202F
SRI 40



53. Cashmere Pearl
UC106689F
SRI 36



54. Harvest Gold Pearl
UC106690F
SRI 38



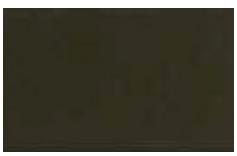
55. Driftwood Mica
UC106692F
SRI 21



56. Lexus Bronze
UC106698F
SRI 7



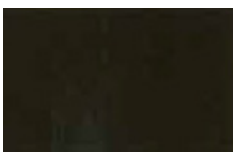
57. Bistro Bronze
UC106693F
SRI 8



58. Dark Bronze
UC70149F
SRI 3



59. Dark Briar Mica
UC106694F
SRI 2



60. Café Noir Pearl
UC106695F
SRI 23

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Duranar XL Coatings

3-Coat System: Primer, Color & Clear Coat

Solid, Mica, Metallic & Exotic Colors Available

Duranar XLB Coatings

4-Coat System: Primer, Barrier, Color & Clear Coat

Solid, Mica, Metallic & Exotic Colors Available

*Duranar XLB Coatings (4-coat system) with barrier coat

61. Metallic Mist
UC106703XL
SRI 61

62. Platinum
UC106704XL
SRI 53



63. White Ice Metallic
UC106706XL
SRI 51



64. Silver
UC51131XL
SRI 48



65. Bright Silver*
UC55028XLB
SRI 51



66. Steel-City Silver
UC106705XL
SRI 48



67. Champagne Metallic
UC70178XL
SRI 51



68. Silver
UC82989XL
SRI 58



69. Space Silver
BK20413XL
SRI 58



70. Bright Silver II*
UC57639XLB
SRI 81



71. Silver Gray
UC50958XL
SRI 32



72. Pewter
UC51713XL
SRI 26



73. Silver Shadow
UC106707XL
SRI 23



74. Medium Gray
UC51595XL
SRI 19



75. Graphite Gray*
UC106708LB
SRI 2



76. Champagne
UC82080XL
SRI 26



77. Champagne Gold
UC51568XL
SRI 31



78. Fawn Metallic
UC106710XL
SRI 50



79. Autumnwood Metallic*
UC106711LB
RI 41



80. Mocha-ccino
UC105758XL
SRI 16



81. Light Bronze
UC51227XL
SRI 26



82. Medium Bronze
UC51515XL
SRI 13



83. Antique Bronze
UC54445XL
SRI 13



84. Summer Suede Metallic
UC106712XL
SRI 45



85. Chocolate Bronze
UC106709XL
SRI 6



86. Cinnagold Dust
UC106717XL
SRI 38



87. Burlesque
UC106719XL
SRI 20



88. Mineral Brown Metallic
UC106715XL
SRI 0



89. Vintage Bronze
UC106714XL
SRI 2



90. Dark Bronze
UC51602XL
SRI 6