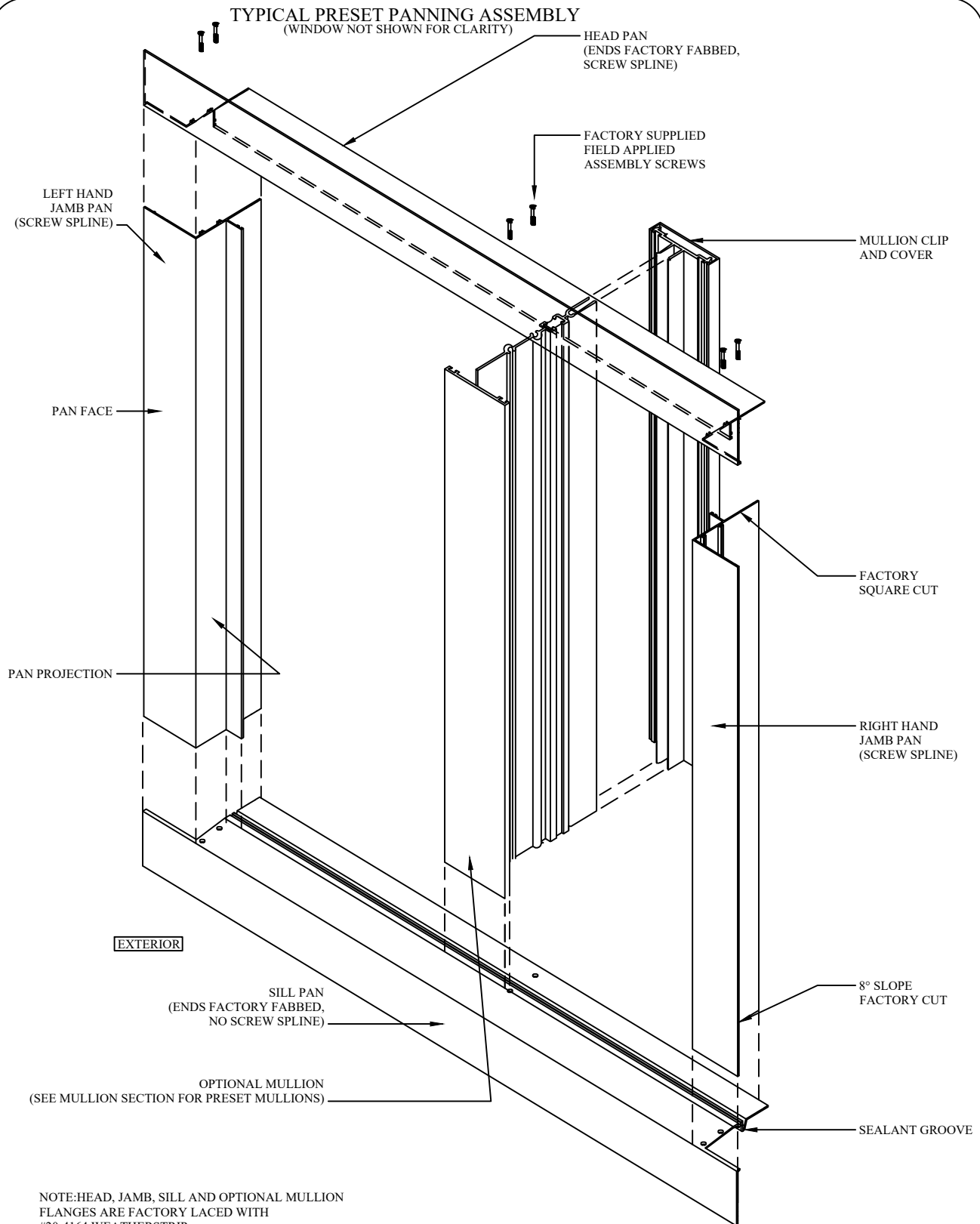
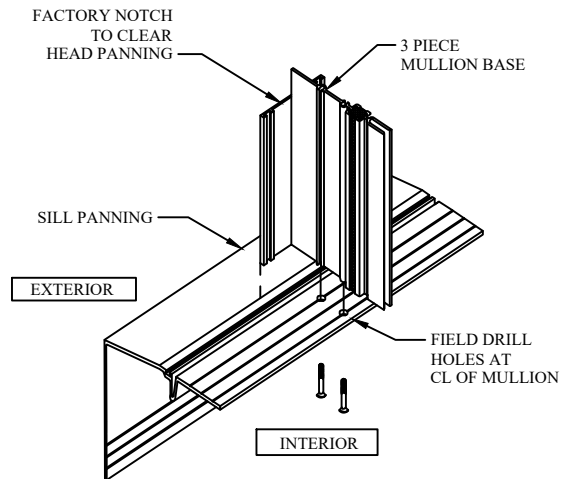
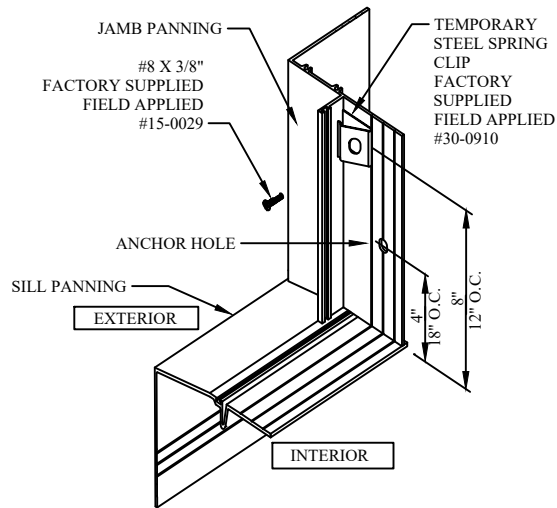


Assembly 1 of 4



Assembly 2 of 4

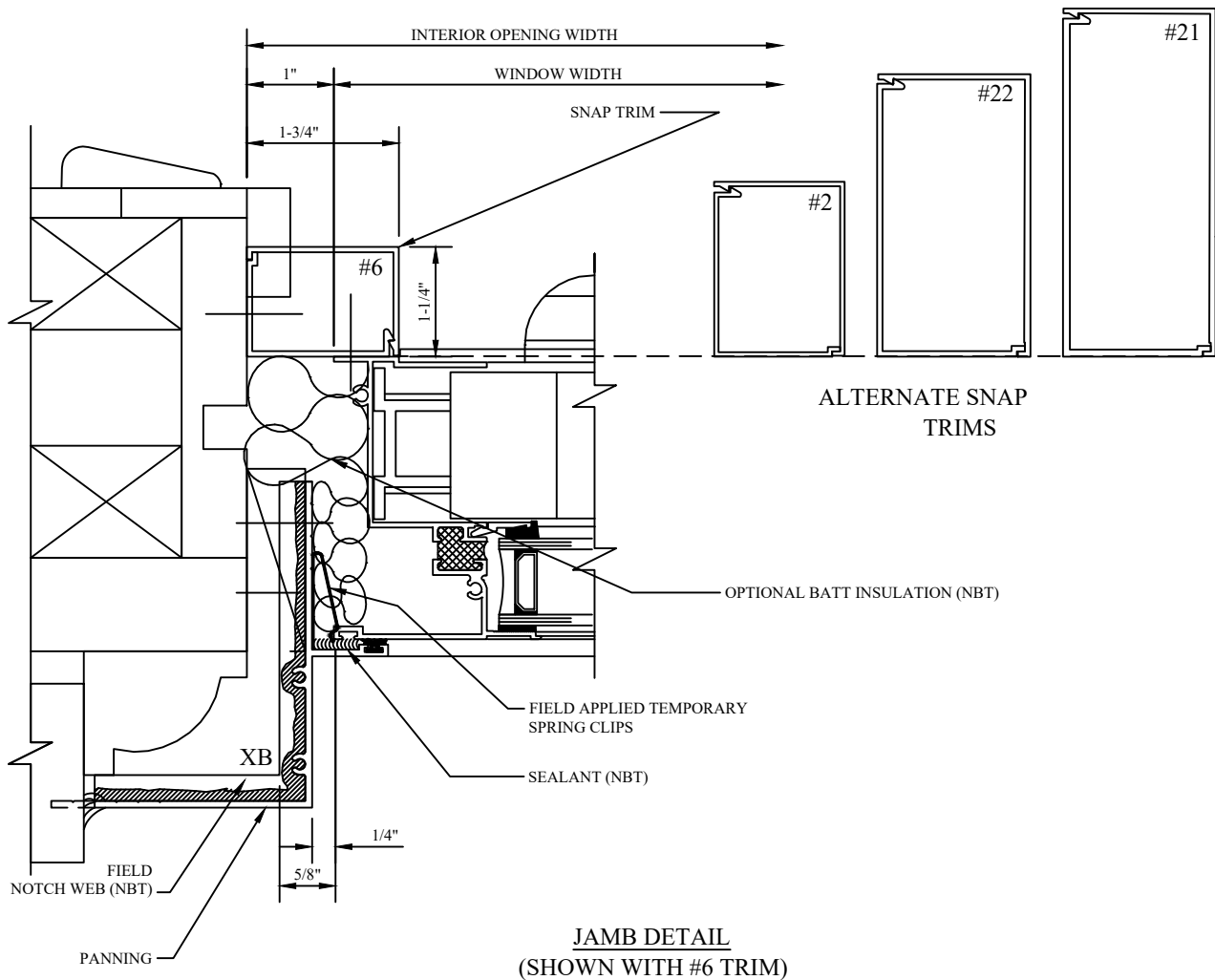


ASSEMBLY PROCEDURE:

1. TRIM BULB WEATHERSTRIP TO FLANGE LENGTH. DO NOT STRETCH.
2. ATTACH HEAD AND SILL MEMBERS TO JAMB MEMBERS USING #6 X 3/4" SCREWS.
3. IF OPENING CONSISTS OF MULTIPLE WINDOWS (I.E. MULLIONS) LOCATE CENTERLINES OF HOLES AT HEAD AND SILL FOR EACH MULLION. (NOTE: BE SURE TO LINE UP CENTER OF HOLE PATTERN FROM TOP TO BOTTOM.) ATTACH MULLION USING (4) #6 X 3/4" SCREWS.
4. BACK SEAL ALL CORNER JOINERY AT HEAD, SILL, JAMB, AND MULLION INTERSECTIONS. (NOTE: TOOL ALL SEALANT TO ENSURE WATER TIGHT JOINTS.)
5. INSTALL PANNING ASSEMBLY INTO OPENING BY PULLING TOWARDS THE INTERIOR WITH THE PANNING FACE ON THE EXTERIOR SIDE. (NOTE-TRIM HEAD, SILL, AND JAMB FLANGE AS REQUIRED TO ALLOW FOR INSTALLATION.)
6. ONCE PANNING IS SQUARE, PLUMB, LEVEL, SECURED, AND ATTACHED TO THE CONDITION, SEAL THE EXTERIOR PERIMETER JOINT WITH A HIGH GRADE SEALANT.
7. ATTACH TEMPORARY STEEL SPRING CLIPS PROVIDED, WITH #8 X 3/8" SCREWS THRU HOLES NEAREST THE EXTERIOR FLANGE. (NOTE: THESE CLIPS ARE USED FOR TEMPORARY INSTALLATION ONLY, AND ARE NOT MEANT AS A STRUCTURAL ATTACHMENT.) TWO CLIPS AT HEAD OF WINDOW AND TWO CLIPS AT JAMBS MINIMUM ARE REQUIRED.
8. FILL SILL SEALANT GROOVE WITH SEALANT AND APPLE CONTINUOUS SEALANT BEAD BEHIND HEAD & JAMB WEATHERSTRIP.
9. SET WINDOWS IN PLACE WITH INSERTION OF SILL PANNING LEG FIRST, THEN SNAP OVER SPRING CLIPS.
10. ATTACH FINAL ANCHORS, CLIPS ETC. APPLYING PRESSURE TOWARD THE EXTERIOR SIDE OF THE WINDOW TO MAINTAIN A GOOD SEAL BETWEEN THE BULB GASKET ON THE PANNING FLANGE, AND THE WINDOW FRAME. COVER THE INTERIOR AS REQUIRED FOR A FINISHED OPENING.

Assembly 3 of 4

TYPICAL JAMB INSTALLATION
(SEE PAGE 4 of 22 FOR HEAD AND SILL)



LAYING DOWN (LONG SIDE ON CONSTRUCTION)

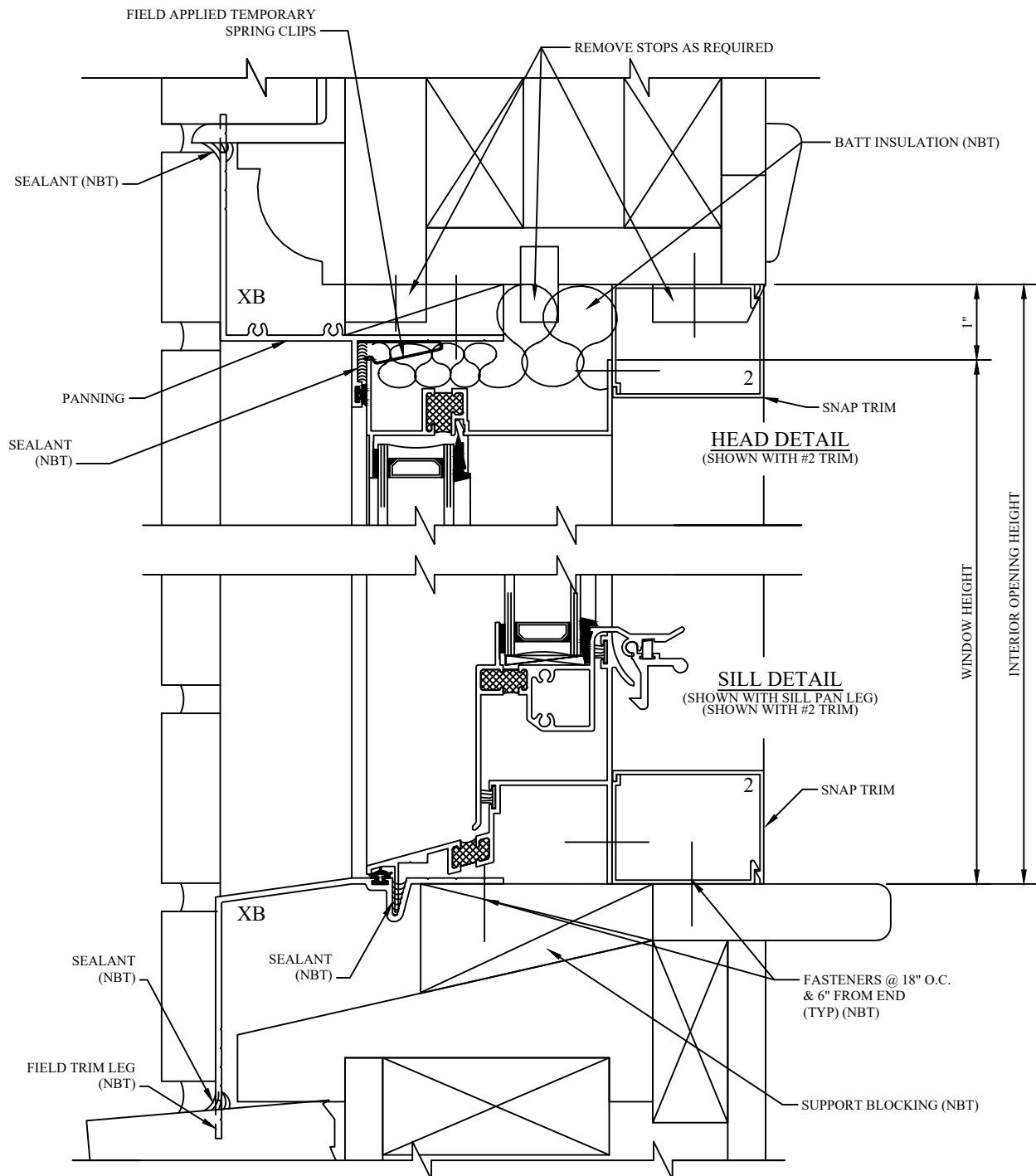
#2 (1-1/2" X 2")
 #21 (1-3/4" X 4")
 #22 (1-3/4" X 3-1/4")

LAYING DOWN (LONG SIDE ON CONSTRUCTION)

#6 (1-3/4" X 1-1/4")
 #11 (1-3/4" X 1-1/4")

Assembly 4 of 4

TYPICAL HEAD/SILL INSTALLATION
(SEE PAGE 3 of 22 FOR JAMB)



PANNING INDEX

HEAD/JAMB PANNING	DIE #	PAGE	SILL PANNING	DIE #	PAGE
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#E	S-2952	9	#D	S-2942	18
#F	S-2954	12	#G	S-2955	18
#H	S-2963	13	#H	S-2964	15
#J	S-2971	12	X1	S-2133	14
X1	S-2132	10	X4	S-2175	15
X4	S-2174	10	X7	S-2312	14
X6	S-2286	14	X9	S-2378	14
X7	S-2311	14	XA	S-1234	14
X9	S-2377	14	XB	S-1236	14
XA	S-1233	10	XC	S-1239	17
XB	S-1235	10	XD	S-1286	17
XC	S-1238	11	XJ	S-2061	16
XD	S-1287	13	XK	S-1699	17
XE	S-1934	10	XM	S-1693	16
XF	S-1397	10	XN	S-1990	16
XG	S-1451	13	XR	S-1959	16
XH	S-1645	9	XX	S-1864	18
XJ	S-1685	11	XZ	S-1920	17
XM	S-1694	9			
XN	S-1989	11			
XO	S-1996	11			
XP	S-2011	11			
XS	S-1607	9			
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XX	S-1863	13			
XY	S-1875	9			
SPECIAL SHAPES		19			

PANNING CONFIGURATION

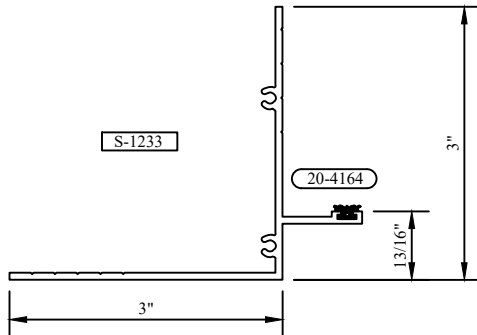
HD	JB	SL
#A	#A	#A
#B	#B	#C
#E	#E	XB
#F	#F	#G
#H	#H	#H
#J	#J	XD
X6	X6	XD
X6	X6	XB
X6	X6	XX
X7	X7	X7
X7	X7	XX
X7	X7	XD
X9	X9	X9
XA	XA	X1
XA	XA	XA
XA	XA	XD

HD	JB	SL
XA	XA	XB
XB	XB	XB
XB	XB	XD
XB	XB	XJ
XC	XC	XC
XC	XC	XD
XC	XC	XX
XC	XC	XJ
XD	XD	XD
XD	XD	XX
XE	XE	XD
XF	XF	XB
XG	XG	#D
XH	XH	XD
XJ	XJ	XD
XJ	XJ	XJ

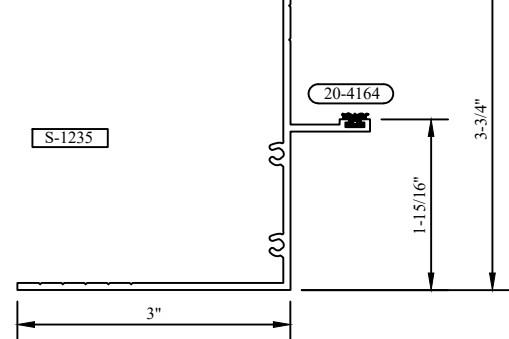
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XM	XM	XD
XM	XM	XM
XM	XM	XN
XN	XN	XN
XO	XO	XD
XO	XO	XX
XP	XP	XD
XS	XS	XB
XS	XS	XC
XS	XS	XD
XU	XU	XD
XX	XX	XX
XY	XY	XD
XY	XY	XX

Half Scale Sections

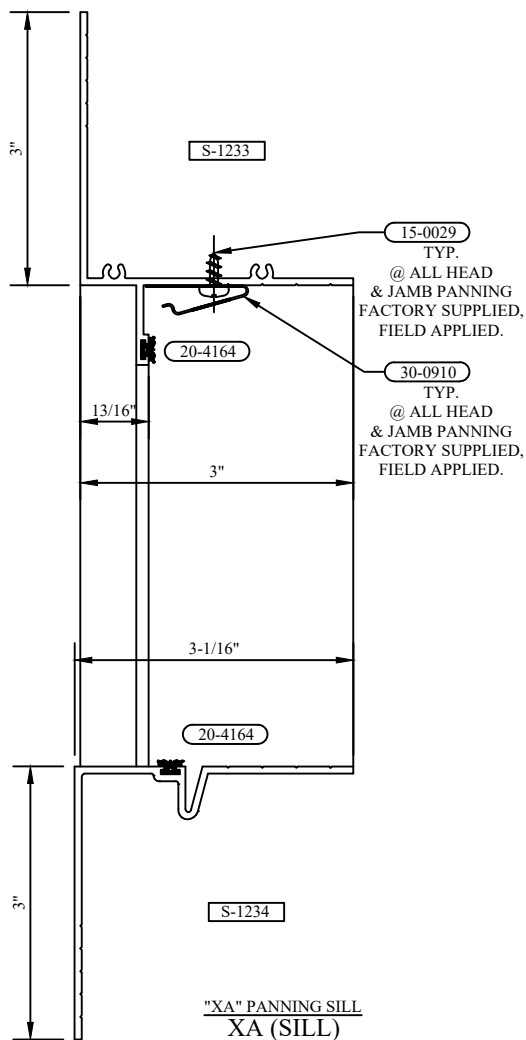
"XA" PANNING HEAD/JAMB
XA (JAMB)



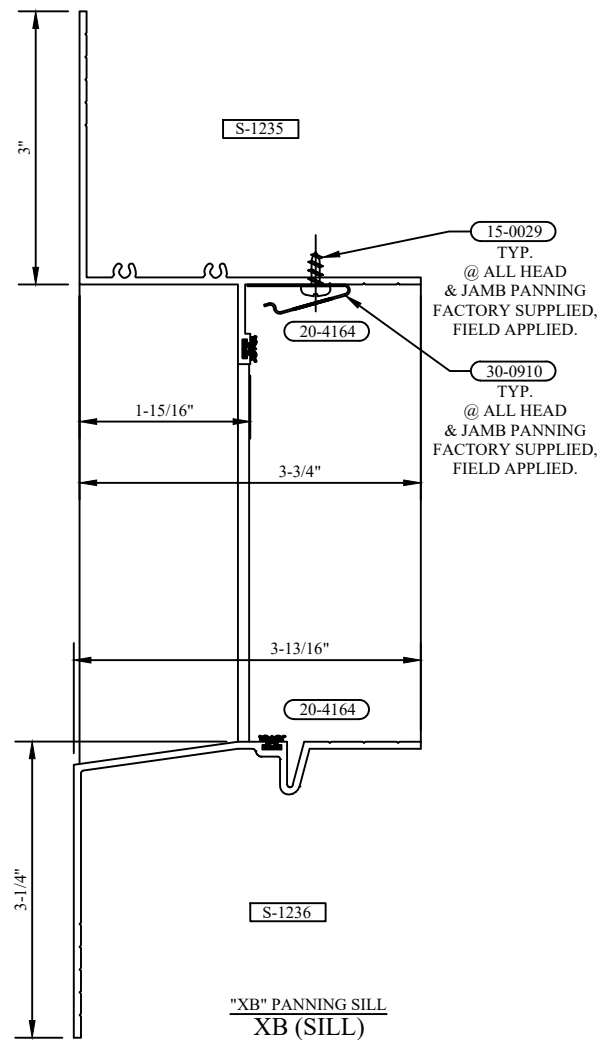
"XB" PANNING HEAD/JAMB
XB (JAMB)



"XA" PANNING HEAD/JAMB
XA (HEAD)



"XB" PANNING HEAD/JAMB
XB (HEAD)

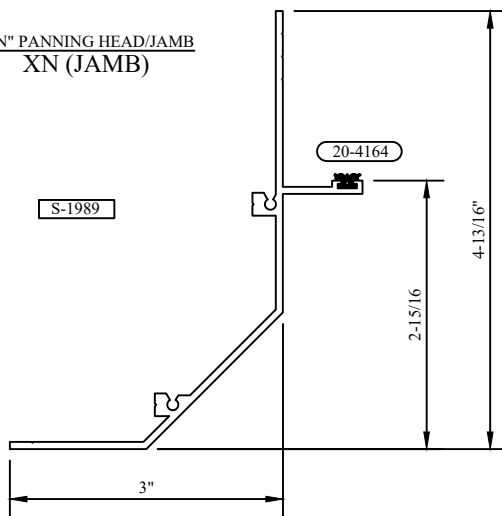


"XA" PANNING SILL
XA (SILL)

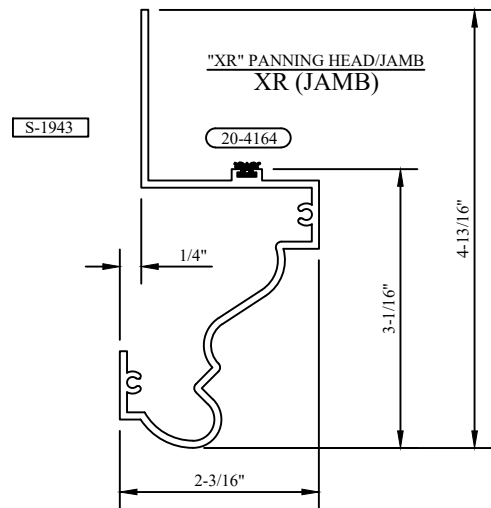
"XB" PANNING SILL
XB (SILL)

Half Scale Sections

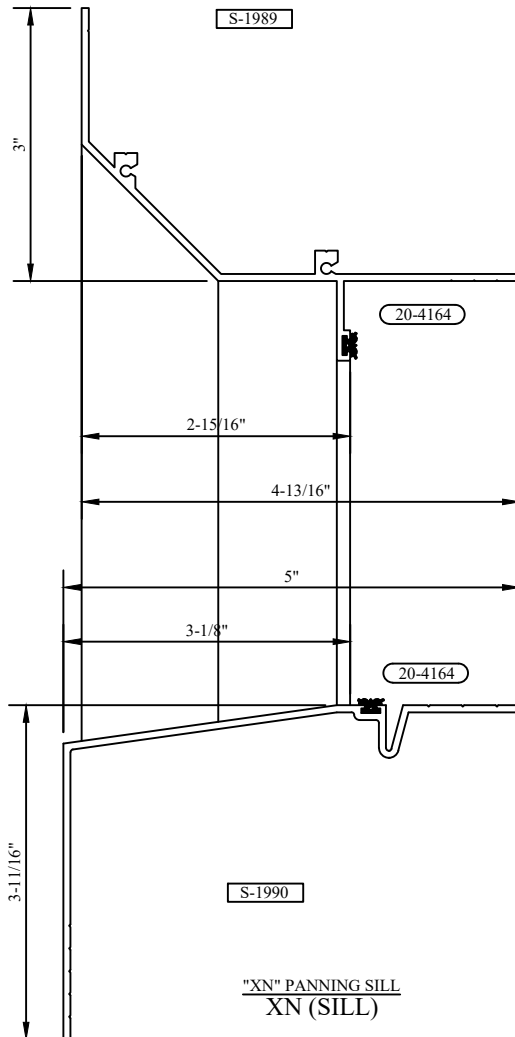
"XN" PANNING HEAD/JAMB
XN (JAMB)



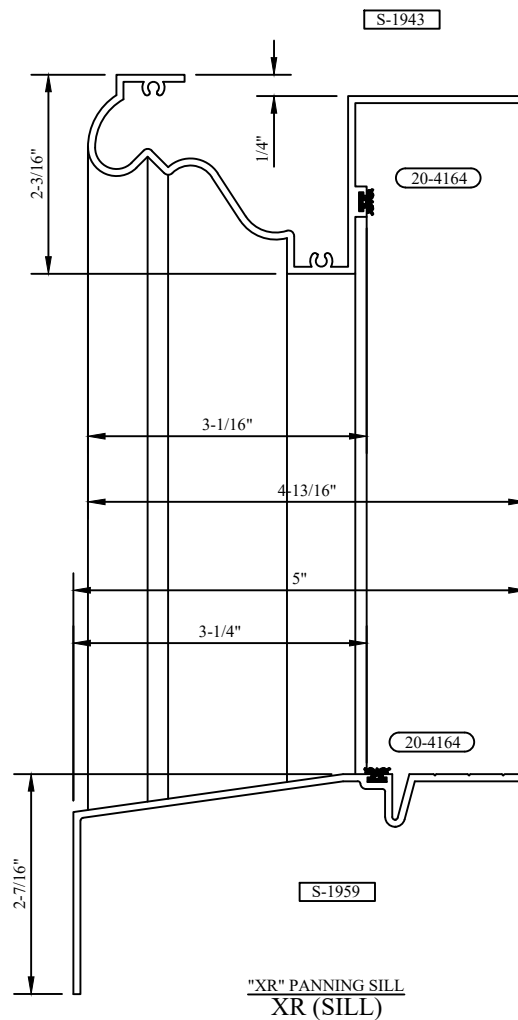
"XR" PANNING HEAD/JAMB
XR (JAMB)



"XN" PANNING HEAD/JAMB
XN (HEAD)



"XR" PANNING HEAD/JAMB
XR (HEAD)

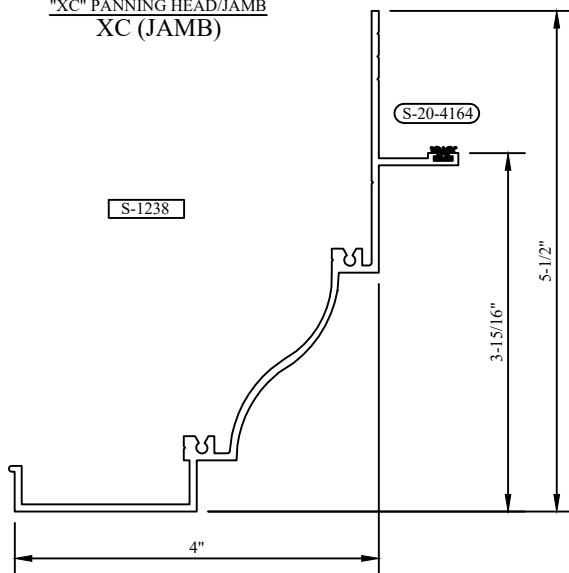


"XN" PANNING SILL
XN (SILL)

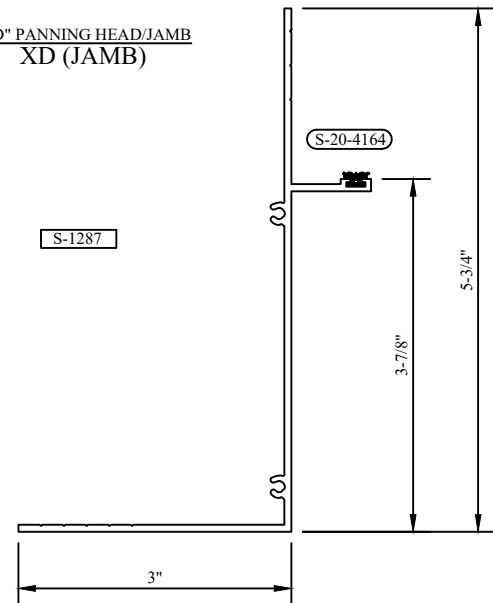
"XR" PANNING SILL
XR (SILL)

Half Scale Sections

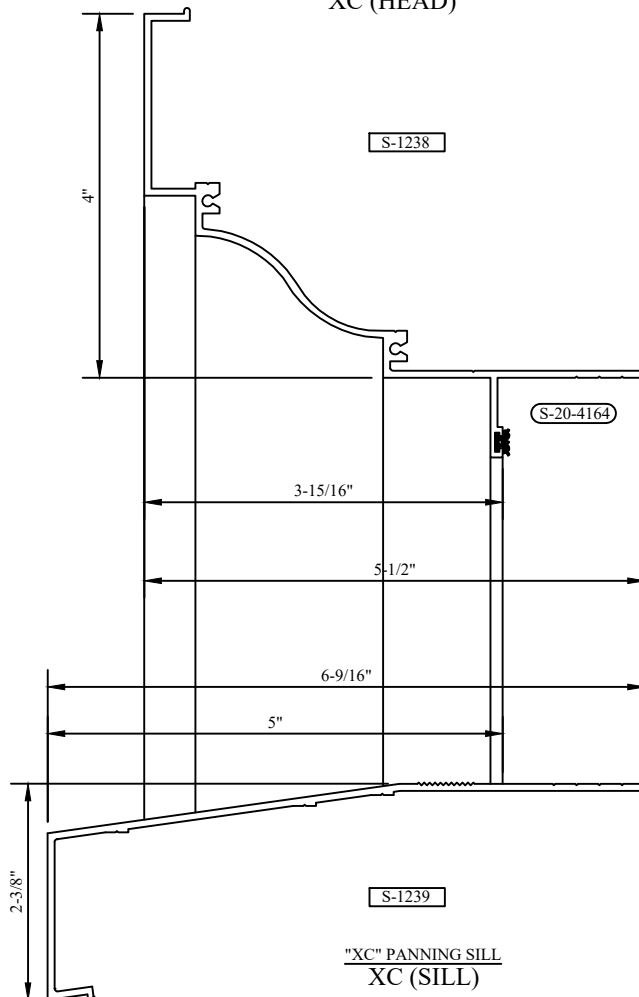
"XC" PANNING HEAD/JAMB
XC (JAMB)



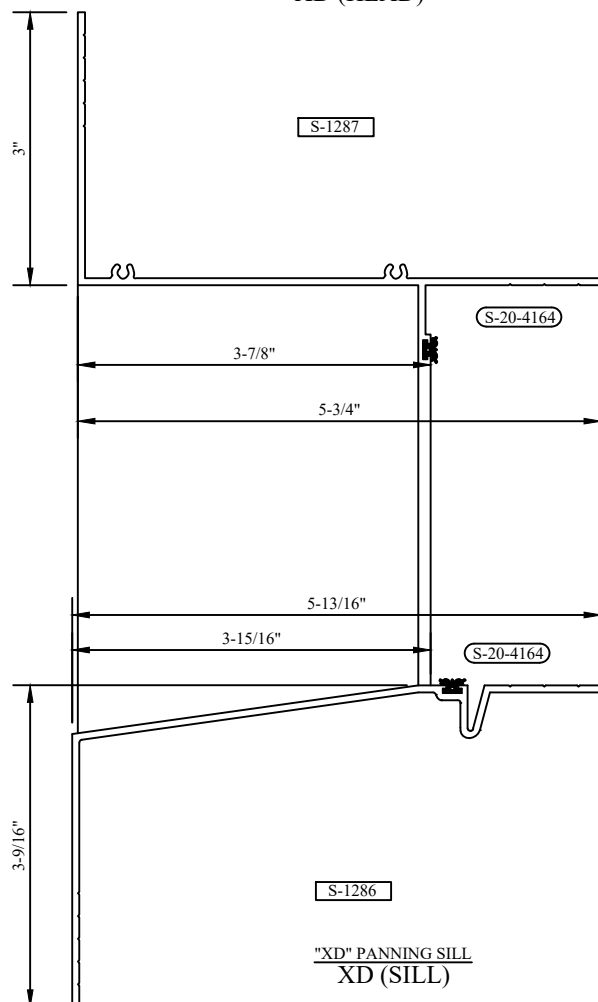
"XD" PANNING HEAD/JAMB
XD (JAMB)



"XC" PANNING HEAD/JAMB
XC (HEAD)



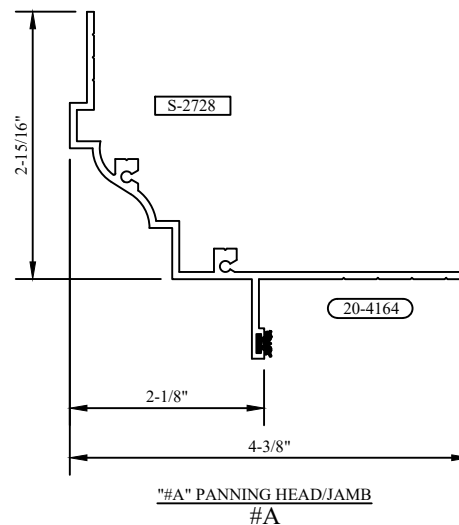
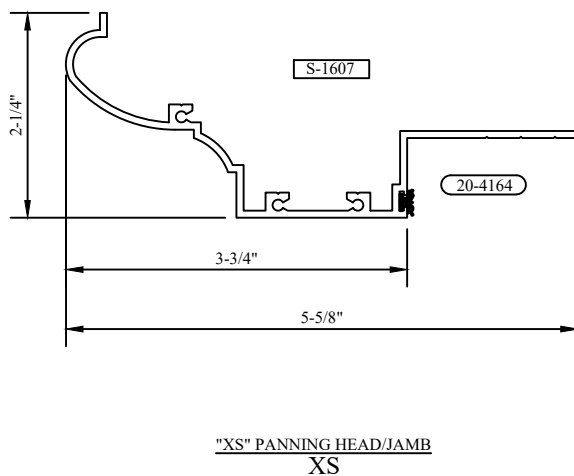
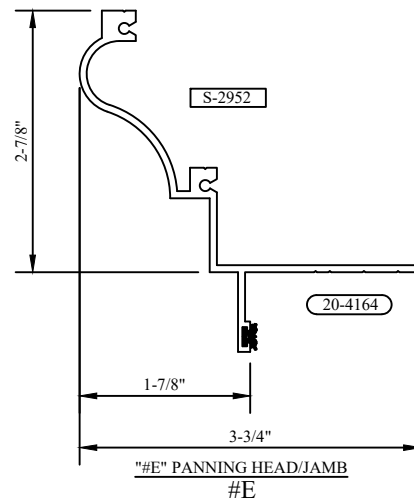
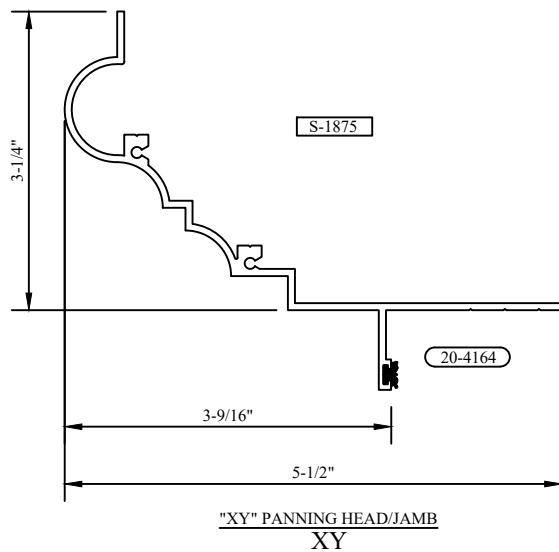
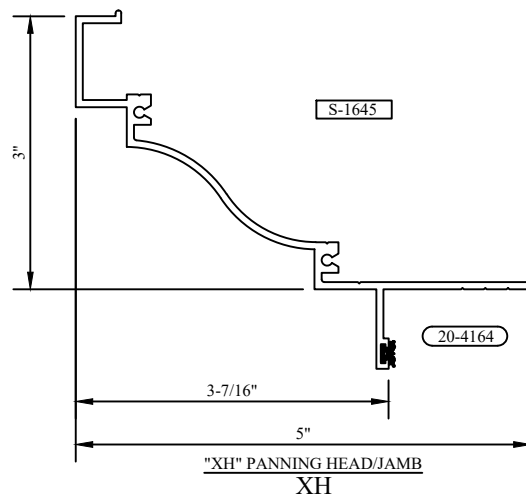
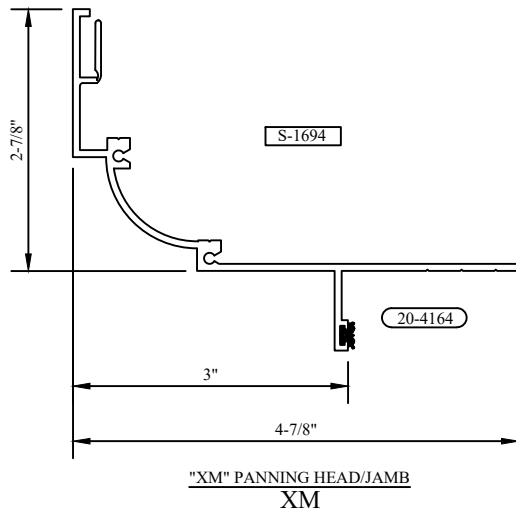
"XD" PANNING HEAD/JAMB
XD (HEAD)



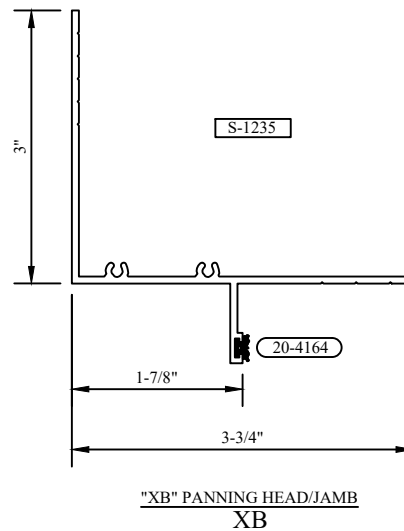
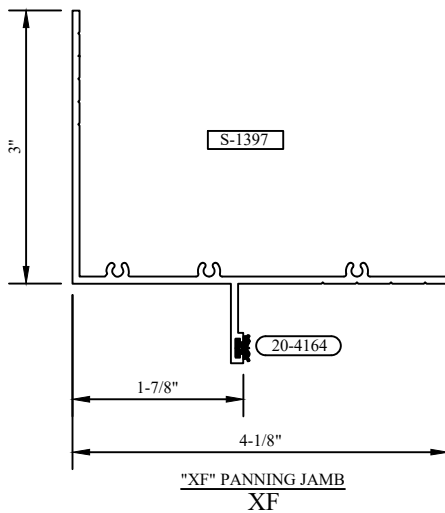
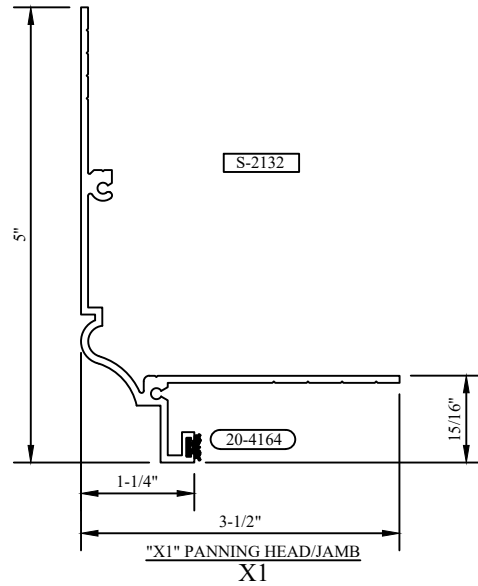
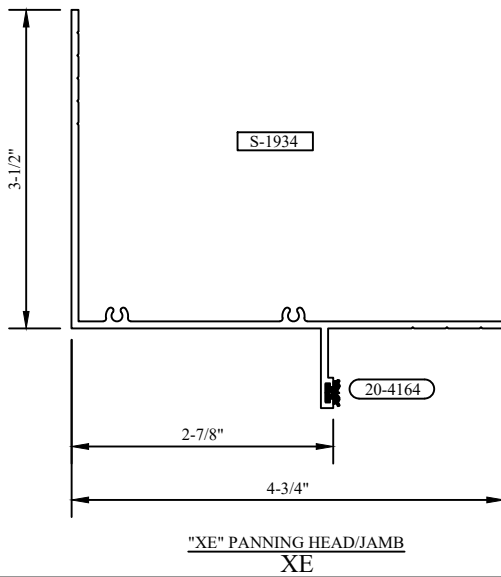
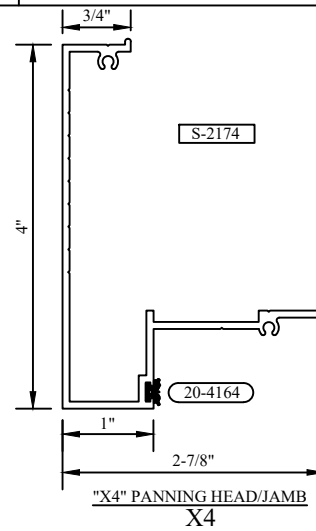
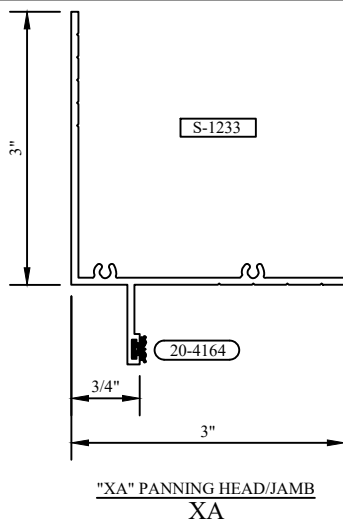
"XC" PANNING SILL
XC (SILL)

"XD" PANNING SILL
XD (SILL)

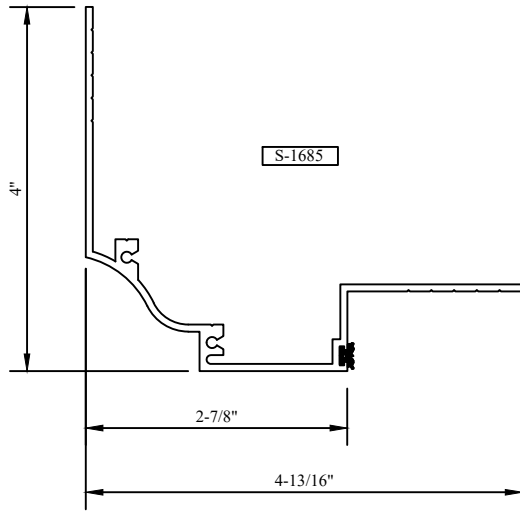
Half Scale Sections



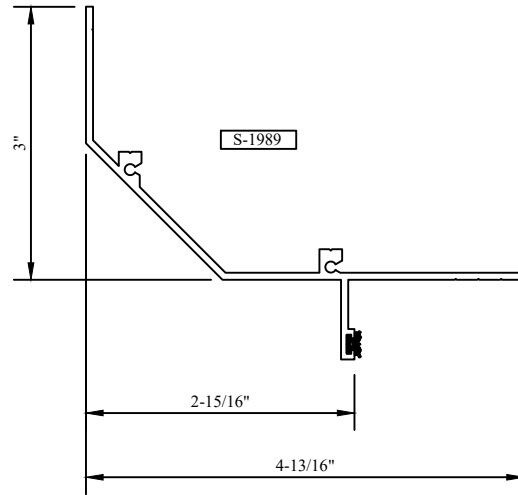
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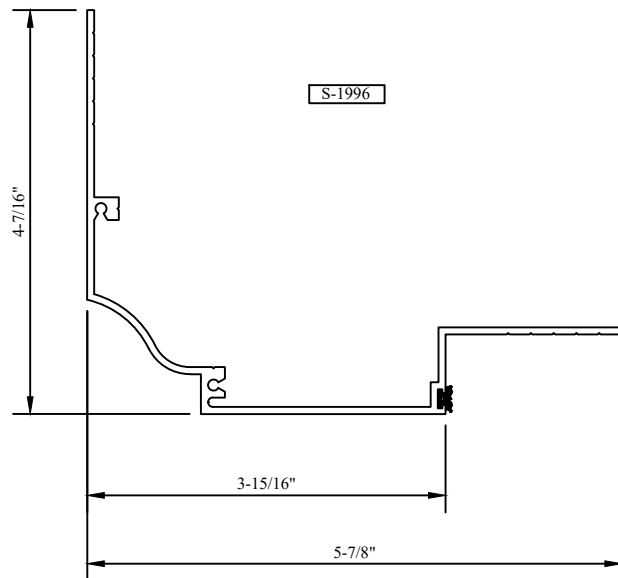
Half Scale Sections



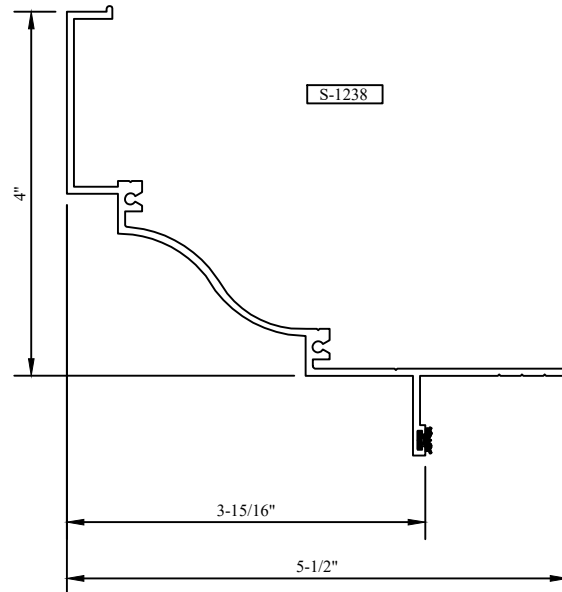
"XJ" PANNING HEAD/JAMB
XJ



"XN" PANNING HEAD/JAMB
XN

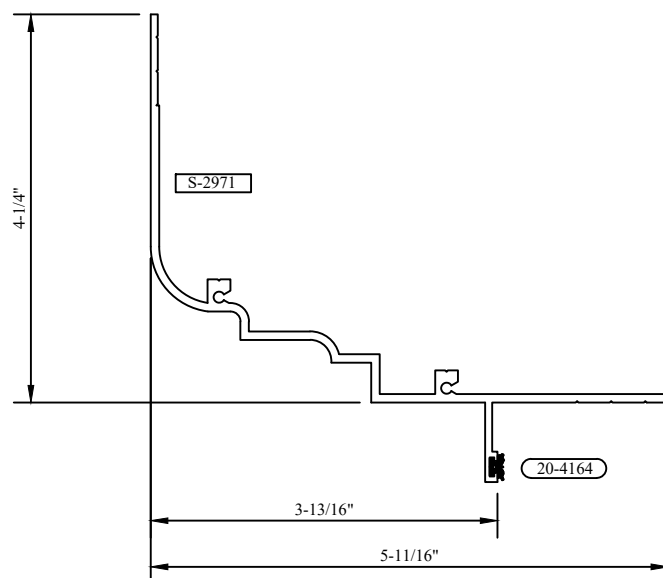


"XO" PANNING HEAD/JAMB
XO

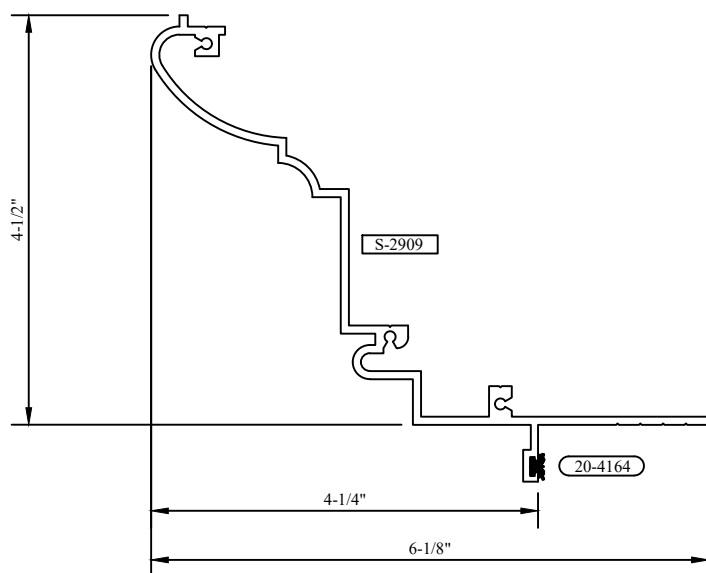


"XC" PANNING HEAD/JAMB
XC

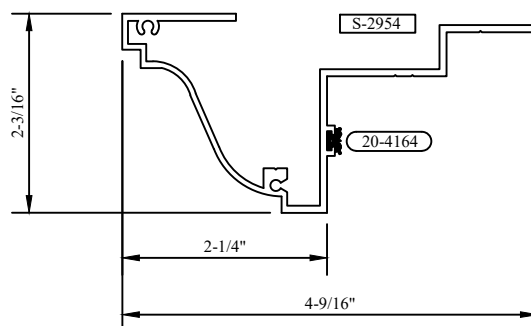
Half Scale Sections



"#J" PANNING HEAD/JAMB
#J

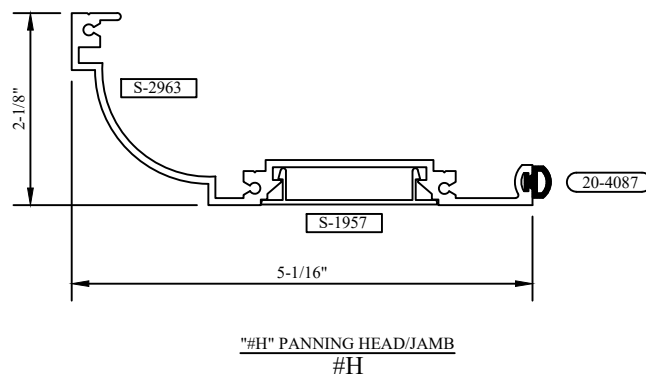
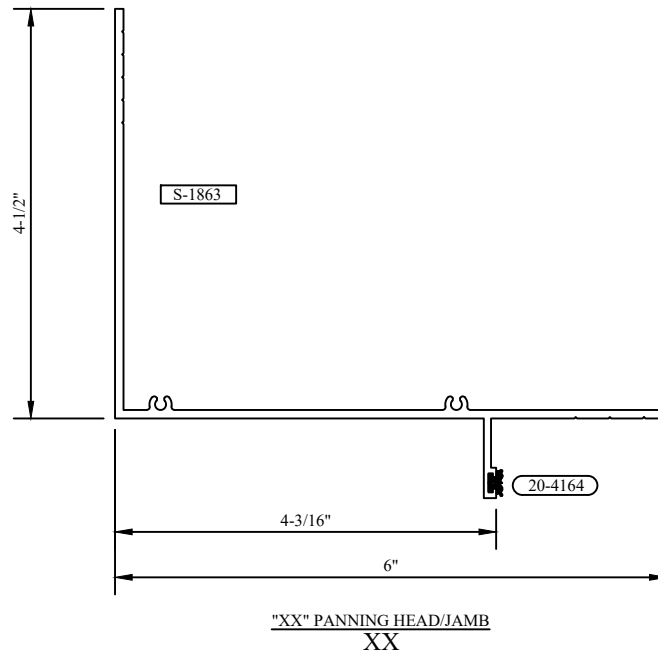
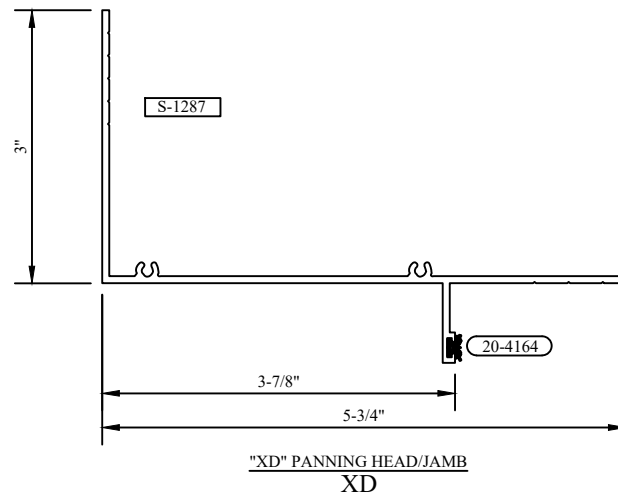


"#B" PANNING HEAD/JAMB
#B

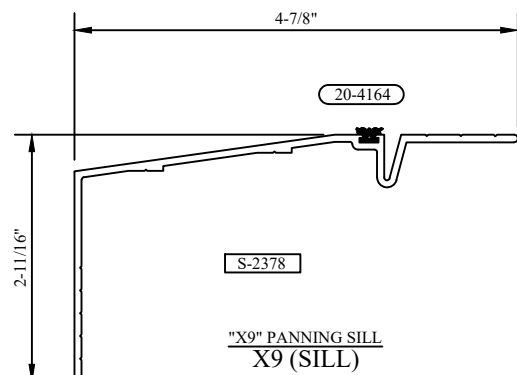
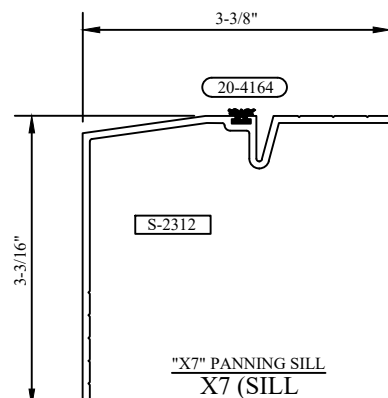
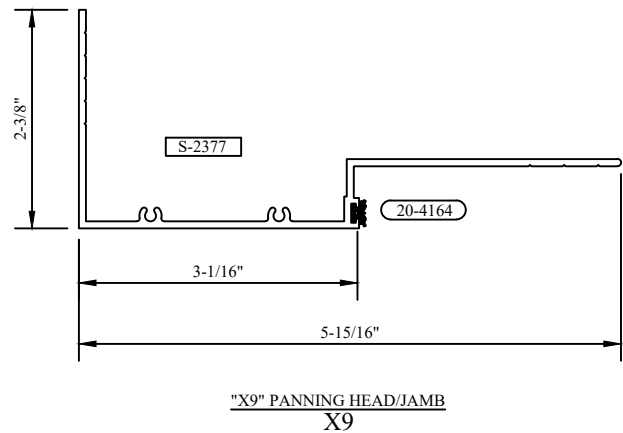
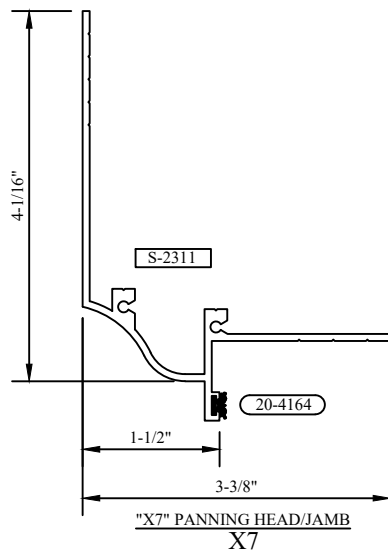
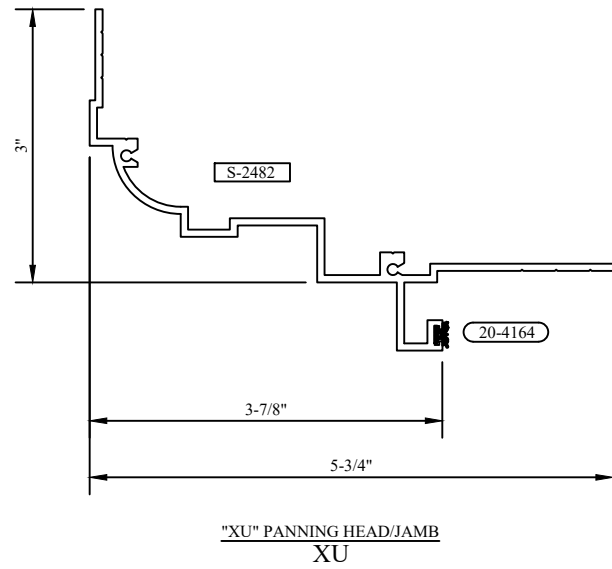
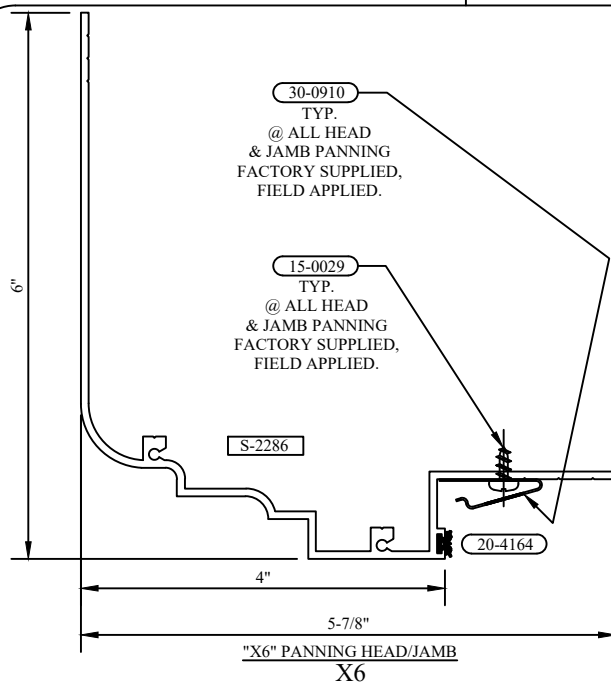


"#F" PANNING HEAD/JAMB
#F

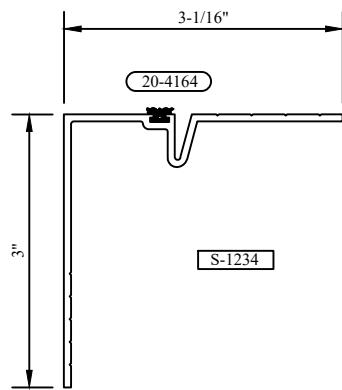
Half Scale Sections



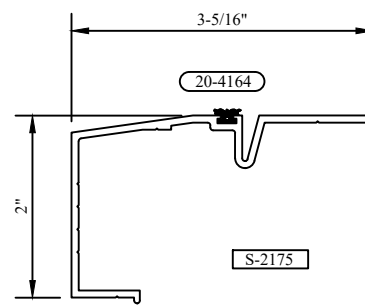
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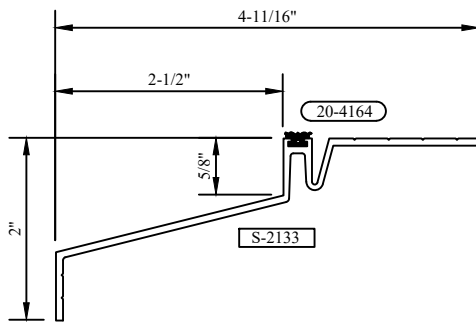
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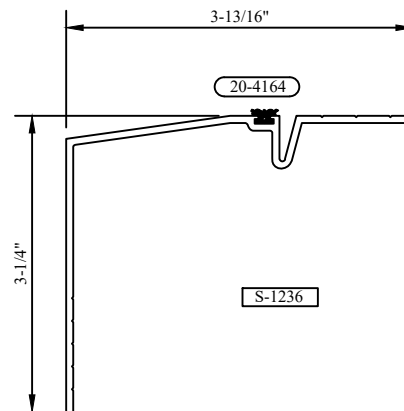
"XA" PANNING SILL
XA (SILL)



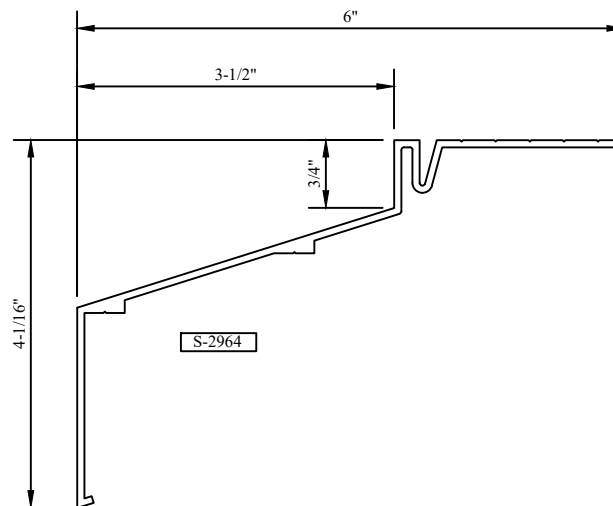
"X4" PANNING SILL
X4 (SILL)



"X1" PANNING SILL
X1 (SILL)

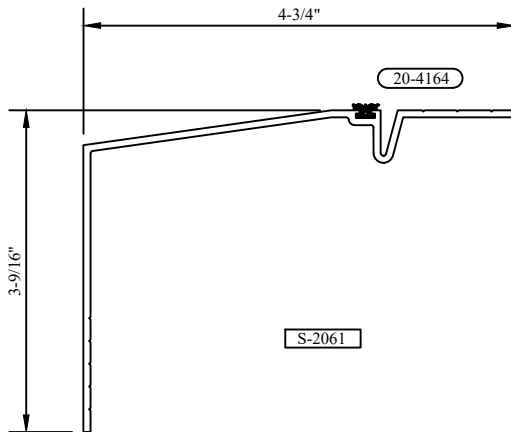


"XB" PANNING SILL
XB (SILL)



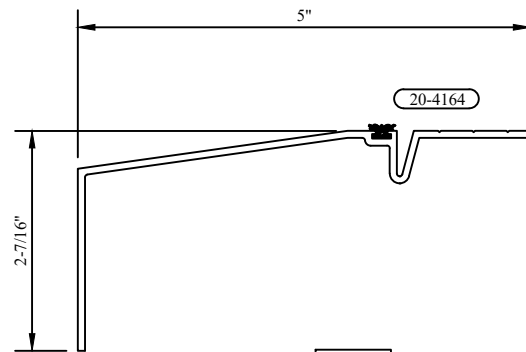
"#H" PANNING SILL
#H (SILL)

Half Scale Sections



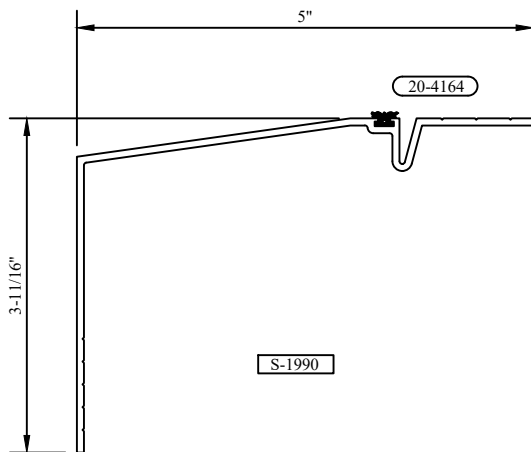
S-2061

"XJ" PANNING SILL
XJ (SILL)



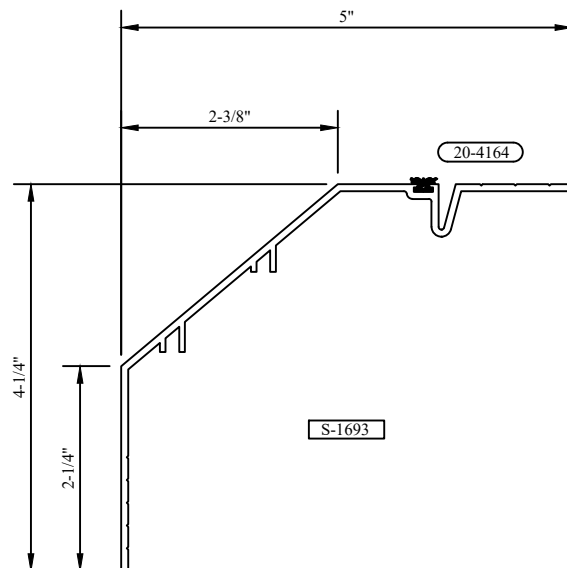
S-1959

"XR" PANNING SILL
XR (SILL)



S-1990

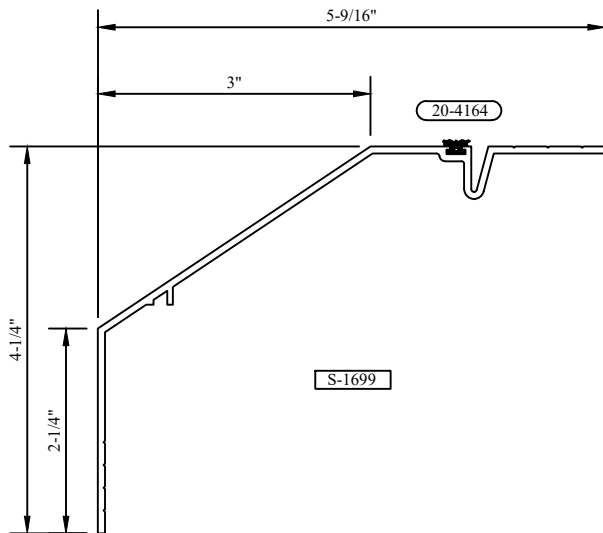
"XN" PANNING SILL
XN (SILL)



S-1693

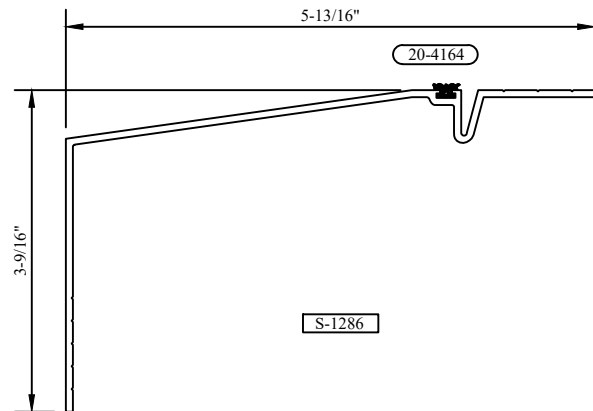
"XM" PANNING SILL
XM (SILL)

Half Scale Sections



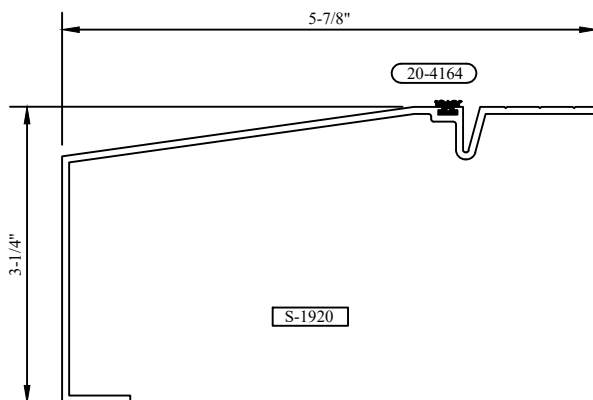
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"XK" PANNING SILL
XK (SILL)



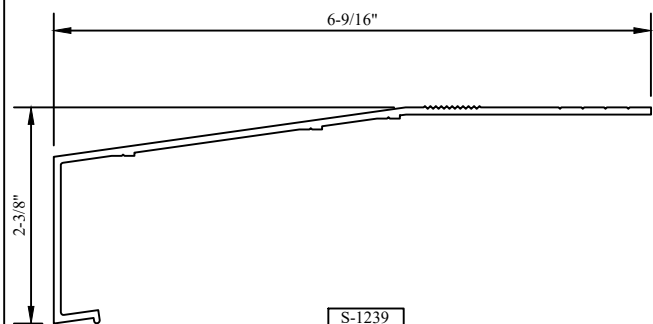
S-1286

"XD" PANNING SILL
XD (SILL)



S-1920

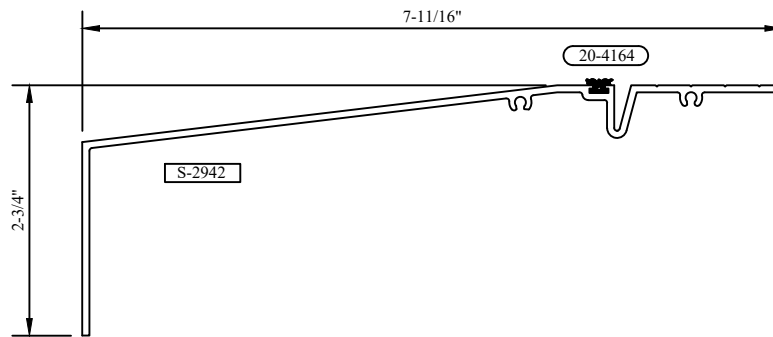
"XZ" PANNING SILL
XZ (SILL)



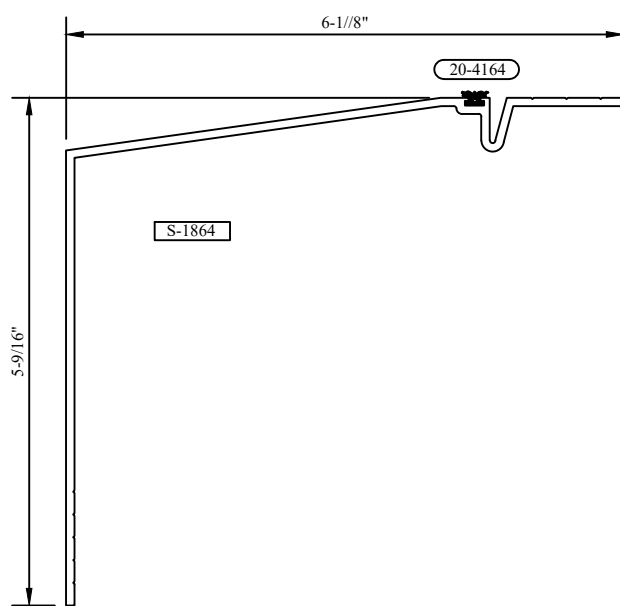
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XC (SILL)

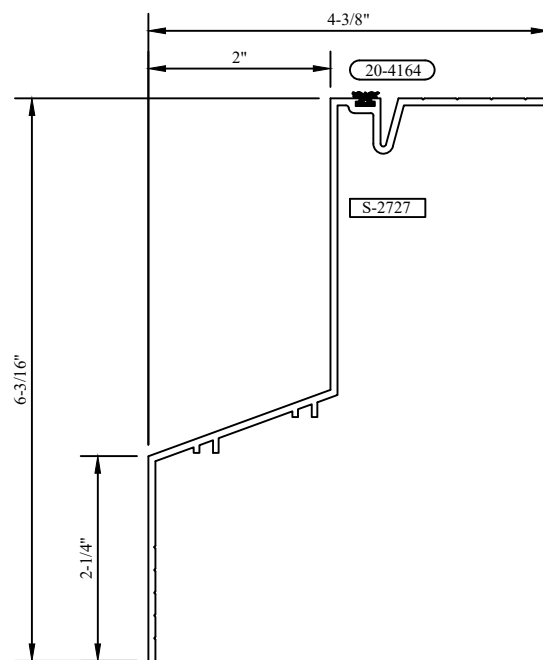
Half Scale Sections



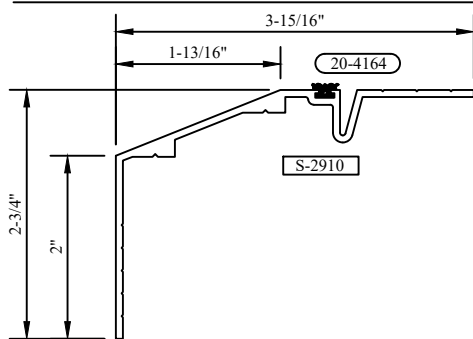
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#D (SILL)



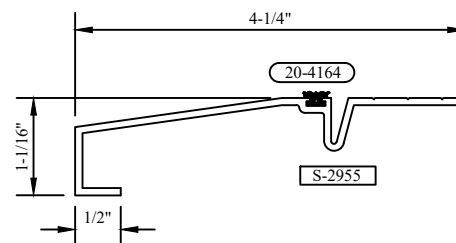
"XX" PANNING SILL
XX (SILL)



"#A" PANNING SILL
#A (SILL)



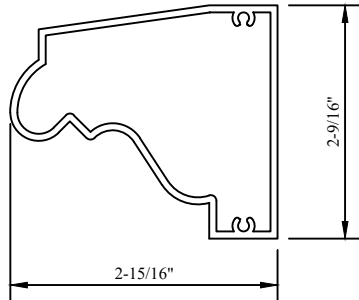
"#C" PANNING SILL
#C (SILL)



"#G" PANNING SILL
#G (SILL)

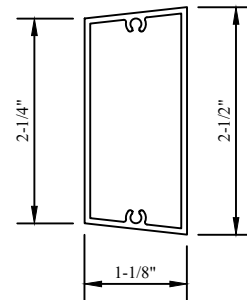
Half Scale Sections

H-1944
(FOR "XR" PANNING ONLY)



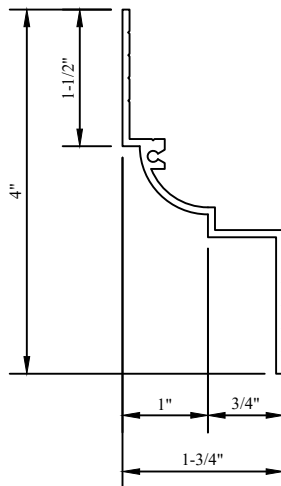
"XR" SPREADER BAR
SPREADER BAR

H-2031



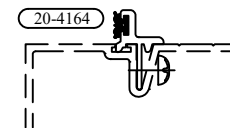
SHADOW BAR
SHADOW BAR

S-1727



"XV" PANNING - SPECIAL
XV SPECIAL PANNING

S-1290

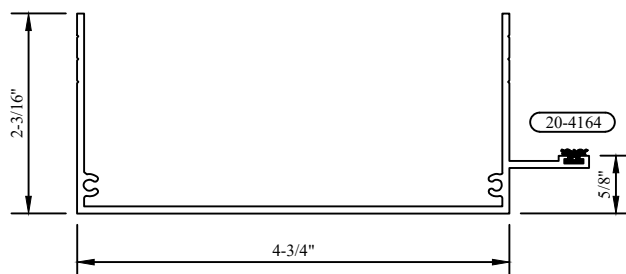


FOR USE WITH
PRODUCTS WITHOUT
SILL LEG

STRAIGHT LEG ADAPTER
SILL LEG ADAPTER

S-1241

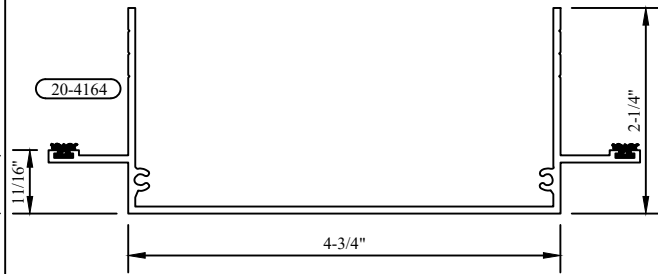
(FOR "XC" PANNING ONLY)



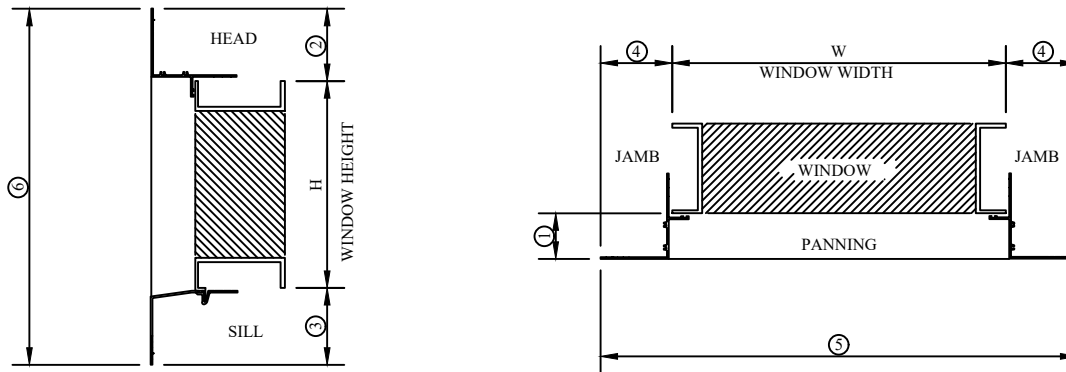
"XC" HORIZONTAL MULLION COVER
XC HORIZONTAL MULLION

S-1240

(FOR "XC" PANNING ONLY)



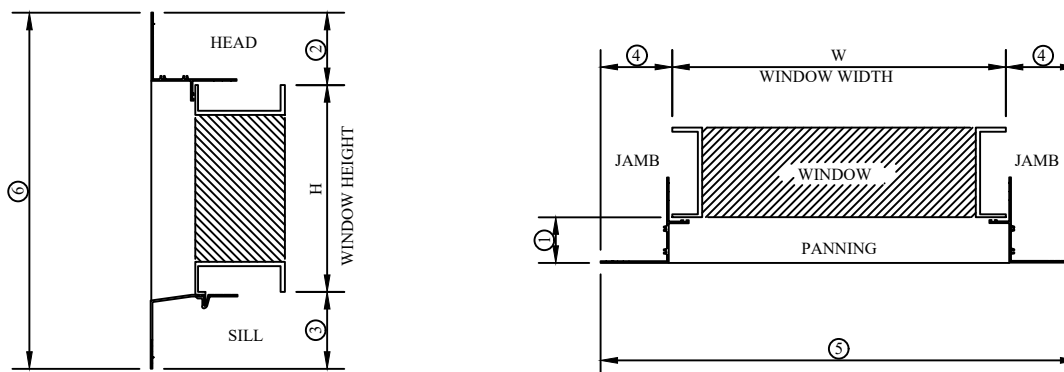
"XC" VERTICAL MULLION COVER
XC VERTICAL MULLION

Calculation Chart


* ALLOWS FOR 1/4" CLEARANCE BETWEEN WINDOW AND PANNING ANCHOR LEG.

PROJECTION ①	HEAD	JAMB	SILL	NET GAINS OVER WINDOW SIZE			PANNING TIP-TO-TIP	
	DIE NAME DIE NO.	DIE NAME DIE NO.	DIE NAME DIE NO.	HEAD * ②	JAMB * ④	SILL ③	WIDTH ⑤	HEIGHT ⑥
3/4"	XA S-1233	XA S-1233	X1 S-2133	3 1/4"	3 1/4"	2 1/16"	W+6 1/2"	H+5 5/16"
	XA S-1233	XA S-1233	XA S-1234	3 1/4"	3 1/4"	3 1/16"	W+6 1/2"	H+6 5/16"
	XA S-1233	XA S-1233	XB S-1236	3 1/4"	3 1/4"	3 5/16"	W+6 1/2"	H+6 9/16"
	XA S-1233	XA S-1233	XD S-1286	3 1/4"	3 1/4"	3 9/16"	W+6 1/2"	H+6 13/16"
1"	X4 S-2174	X4 S-2174	X4 S-2175	3 1/4"	3 1/4"	2-1/16"	W+6-1/2"	H+5-5/16"
	X4 S-2174	X4 S-2174	XJ S-2061	3 1/4"	3 1/4"	3 5/8"	W+6-1/2"	H+6 7/8"
1 1/4"	X1 S-2132	X1 S-2132	X1 S-2133	4 1/4"	4 1/4"	2 1/16"	W+8 1/2"	H+6 5/16"
	X1 S-2132	X1 S-2132	X7 Z-2312	4 1/4"	4 1/4"	3 1/4"	W+8 1/2"	H+7 1/2"
1-1/2"	X7 S-2311	X7 S-2311	X7 S-2312	3 7/8"	3 7/8"	3 1/4"	W+7 3/4"	H+7 1/8"
	X7 S-2311	X7 S-2311	XD S-1286	3 7/8"	3 7/8"	3 5/8"	W+7 3/4"	H+7 1/2"
1-7/8"	#E S-2952	#E S-2952	XB S-1236	3 1/8"	3 1/8"	3 5/16"	W+6 1/4"	H+6 7/16"
	XF S-1397	XF S-1397	XJ S-2061	3 1/4"	3 1/4"	3 5/8"	W+6 1/2"	H+6 7/8"
1 15/16"	XB S-1235	XB S-1235	XB S-1236	3 1/4"	3 1/4"	3 5/16"	W+6 1/2"	H+6 9/16"
	XB S-1235	XB S-1235	XD S-1286	3 1/4"	3 1/4"	3 9/16"	W+6 1/2"	H+6 13/16"
	XB S-1235	XB S-1235	XJ S-2061	3 1/4"	3 1/4"	4"	W+6 1/2"	H+7 1/4"
	XF S-1397	XF S-1397	XJ S-2061	3 1/4"	3 1/4"	4"	W+6 1/2"	H+7 1/4"
2-1/8"	#A S-2728	#A S-2728	#A S-2727	3 3/16"	3 3/16"	6 1/4"	W+6 3/8"	H+9 7/16"
	#A S-2728	#A S-2728	XM S-1693	3 3/16"	3 3/16"	4 5/16"	W+6 3/8"	H+7 1/2"
2-1/4"	#F S-2954	#F S-2954	#G S-2955	15/16"	15/16"	1 1/8"	W+1 7/8"	H+2 1/16"

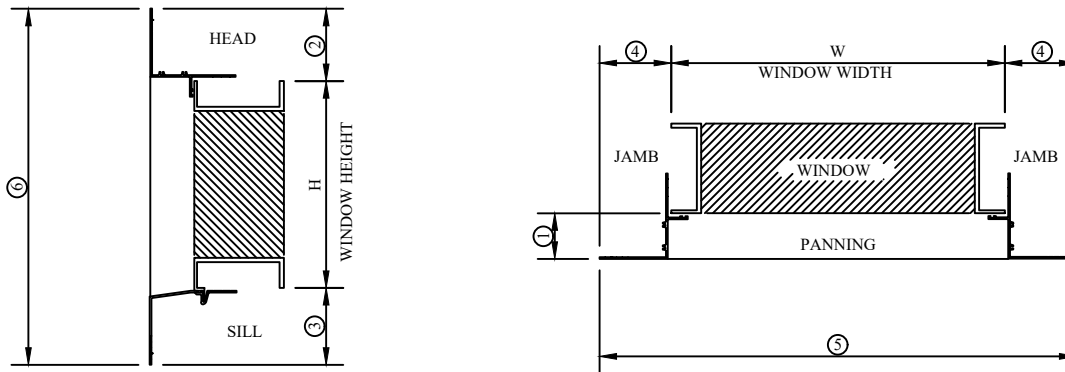
Calculation Chart



* ALLOWS FOR 1/4" CLEARANCE BETWEEN WINDOW AND PANNING ANCHOR LEG.

PROJECTION ①	HEAD	JAMB	SILL	NET GAINS OVER WINDOW SIZE			PANNING TIP-TO-TIP	
	DIE NAME DIE NO.	DIE NAME DIE NO.	DIE NAME DIE NO.	HEAD * ②	JAMB * ④	SILL ③	WIDTH ⑤	HEIGHT ⑥
2 3/4"	XJ S-1685	XJ S-1685	XD S-1286	3 1/4"	3 1/4"	3 9/16"	W+6 1/2"	H+6 13/16"
	XJ S-1685	XJ S-1685	XJ S-2061	3 3/8"	3 3/8"	3 5/8"	W+6 3/4"	H+7"
	XJ S-1685	XJ S-1685	XX S-1864	3 1/4"	3 1/4"	5 9/16"	W+6 1/2"	H+8 13/16"
2 7/8"	XE S-1934	XE S-1934	XD S-1286	3 3/4"	3 3/4"	3 9/16"	W+7 1/2"	H+7 5/16"
	XE S-1934	XE S-1934	XJ S-2061	3 3/4"	3 3/4"	3 5/8"	W+7 1/2"	H+7 3/8"
	XE S-1034	XE S-1034	XK S-1699	3 3/4"	3 3/4"	4 5/16"	W+7 1/2"	H+8 1/16"
2 15/16"	XN S-1989	XN S-1989	XN S-1990	3 1/4"	3 1/4"	3 3/4"	W+6 1/2"	H+7"
3"	XM S-1694	XM S-1694	XD S-1286	3 3/8"	3 3/8"	3 9/16"	W+6 3/4"	H+6 11/16"
	XM S-1694	XM S-1694	XM S-1693	3 3/8"	3 3/8"	4 3/16"	W+6 3/4"	H+7 9/16"
	XM S-1694	XM S-1694	XN S-1990	3 1/8"	3 1/8"	3 3/4"	W+6 1/4"	H+6 7/8"
	XM S-1694	XM S-1694	XR S-1959	3 1/8"	3 1/8"	2 1/2"	W+6 1/4"	H+5 5/8"
	XM S-1694	XM S-1694	XX S-1864	3 1/8"	3 1/8"	5 9/16"	W+6 1/4"	H+8 11/16"
3-1/16"	X9 S-2377	X9 S-2377	X9 S-2378	1 3/4"	1 3/4"	2 3/4"	W+3 1/2"	H+4 1/2"
3 7/16"	XH S-1645	XH S-1645	XD S-1286	3 1/4"	3 1/4"	3 9/16"	W+6 1/2"	H+6 13/16"
3 1/2"	XY S-1875	XY S-1875	XD S-1286	3 1/2"	3 1/2"	3 9/16"	W+7"	H+7 1/16"
3-9/16"	XY S-1875	XY S-1875	XX S-1864	3 1/2"	3 1/2"	5 9/16"	W+7"	H+9 1/8"
3 3/4"	XS S-1607	XS S-1607	XB S-1236	1 5/8"	1 5/8"	3 5/16"	W+3 1/4"	H+4 15/16"
	XS S-1607	XS S-1607	XC S-1239	1 3/8"	1 3/8"	2 3/8"	W+2 3/4"	H+3 3/4"
	XS S-1607	XS S-1607	XD S-1286	1 3/8"	1 3/8"	3 9/16"	W+2 3/4"	H+4 15/16"
3-13/16"	#J S-2971	#J S-2971	XD S-1286	4 1/2"	4 1/2"	3 9/16"	W+9"	H+8 1/16"
3-7/8"	XU S-2482	XU S-2482	XD S-1286	3 1/8"	3 1/8"	3 9/16"	W+6 1/4"	H+6 11/16"

Calculation Chart



* ALLOWS FOR 1/4" CLEARANCE BETWEEN WINDOW AND PANNING ANCHOR LEG.

PROJECTION ①	HEAD	JAMB	SILL	NET GAINS OVER WINDOW SIZE			PANNING TIP-TO-TIP	
	DIE NAME DIE NO.	DIE NAME DIE NO.	DIE NAME DIE NO.	HEAD * ②	JAMB * ④	SILL ③	WIDTH ⑤	HEIGHT ⑥
3 15/16"	XD S-1996	XD S-1996	XD S-1286	3 7/8"	3 7/8"	3 9/16"	W+7 3/4"	H+7 7/16"
	XD S-1996	XD S-1996	XX S-1864	3 7/8"	3 7/8"	5 9/16"	W+7 3/4"	H+9 7/16"
	XP S-2011	XP S-2011	XD S-1286	4 3/16"	4 3/16"	3 9/16"	W+8 3/8"	H+7 3/4"
4"	X6 S-2286	X6 S-2286	XB S-1236	5 1/8"	5 1/8"	3 5/16"	W+10 1/4"	H+8 7/16"
	X6 S-2286	X6 S-2286	XD S-1286	5 1/8"	5 1/8"	3 9/16"	W+10 1/4"	H+8 11/16"
	X6 S-2286	X6 S-2286	XX S-1864	5 1/8"	5 1/8"	5 5/8"	W+10 1/4"	H+10 3/4"
	XC S-1238	XC S-1238	XC S-1239	4 5/16"	4 5/16"	2 7/16"	W+8 5/8"	H+6 3/4"
	XC S-1238	XC S-1238	XD S-1286	4 5/16"	4 5/16"	3 9/16"	W+8 5/8"	H+7 7/8"
	XC S-1238	XC S-1238	XX S-1864	4 5/16"	4 5/16"	5 9/16"	W+8 5/8"	H+9 7/8"
	XC S-1238	XC S-1238	XZ S-1920	4 5/16"	4 5/16"	3 3/16"	W+8 5/8"	H+7 1/2"
	XD S-1287	XD S-1287	XD S-1286	3 1/4"	3 1/4"	3 9/16"	W+6 1/2"	H+6 13/16"
	XD S-1287	XD S-1287	XX S-1864	3 1/4"	3 1/4"	5 5/8"	W+6 1/2"	H+8 7/8"
	XD S-1287	XD S-1287	XZ S-1920	3 1/4"	3 1/4"	3 3/16"	W+6 1/2"	H+6 7/16"
	XD S-1287	XB S-1235	XD S-1286	3 1/4"	3 1/4"	3 9/16"	W+6 1/2"	H+6 13/16"
4 3/16"	XX S-1863	XX S-1863	XX S-1864	4 3/4"	4 3/4"	5 9/16"	W+9 1/2"	H+10 5/16"
4-1/4"	#B S-2909	#B S-2909	#C S-2910	4 3/4"	4 3/4"	2 13/16"	W+9 1/2"	H+7 9/16"
5-1/16"	#H S-2963	#H S-2963	#H S-2964	1 1/16"	1 1/16"	4	W+2 1/8"	H+5 15/16"
5 1/2"	XG S-1451	XG S-1451	#D S-2942	2 3/8"	2 3/8"	2 13/16"	W+4 3/4"	H+5 3/16"