

Ambrose

sales • packaging • distribution

COMPANIES

Aluminum Extrusions for the Sign Professional

ESIP

Excellart Sign Products, LLC



"The bitterness of poor quality remains long after the sweetness of low price is forgotten."

- Benjamin Franklin

Our Mission And Promise To You

Excellart has been supplying aluminum frame extrusions for the sign industry for more than 50 years. We have continued to maintain our high standards and quality in our frame systems.

Our mission is to provide you with the highest-quality products and services possible in a timely fashion and at a competitive price. We promise to listen to you and help you achieve your business goals. We will always be there with honest, expert advice and quick, friendly customer service.

Our goal is to meet and exceed your expectations.

We invite you to call a member of our professional staff for assistance in selecting the right frame system for your application.

Benefits of Using Aluminum Extrusions

The process of extruding aluminum is similar to squeezing toothpaste from a tube; pushing an aluminum billet through a precise die to achieve innovative parts and products. Aluminum extrusions offer many benefits and advantages when comparing them to other solid metals:

- **Less Fabrication Time**
Costs can be reduced significantly by replacing an assembly of components into one single extrusion. Extrusions can be produced to the desired shape and construction; eliminating costly man hours to form and bend a custom shape.
- **More Design Scope**
Extrusions can be used to simplify a larger project. Taking advantage of the opportunity to use aluminum extrusions on larger projects can reduce material costs, design time, and man hours to ensure efficient production.
- **Less Maintenance**
Aluminum is naturally a more durable metal, allowing for increased durability in all weather conditions.
- **Less Weight, More Strength**
Aluminum is roughly one-third the weight of steel offering a high strength to weight ratio. Aluminum extrusion is ideal for projects requiring a low total weight without sacrificing strength, quality, and durability.
- **Faster Assembly**
Aluminum alloys can be welded, brazed, soldered, glued, or joined with rivets or bolts. The extrusion process makes it possible to design shapes and components that would otherwise be impossible.

ORDERS

- No Minimum Order Requirements
- Freight will be prepaid on orders over 2,000 pounds
- Normal Production Time – 3 working business days
- Rush orders will require an Expedite Fee
- Packaging Charges apply to every shipment
- \$25.00 fee for UPS Shipments
- \$200.00 Crating Charge for all LTL Shipments

UL APPROVAL

- All Excellart products are UL Recognized Components for Light Boxes
- Excellart UL File # is E152309
- Online Certificate at www.ul.com/database



RETURNS

- Returns must be approved by Excellart
- Material must be in original packaging and sellable condition
- Material must be shipped to Excellart Freight Prepaid
- Returns are subject to a 25% restocking charge
- Additional conditions may apply. Please contact a customer service representative for additional information.

All pricing is subject change without notice.

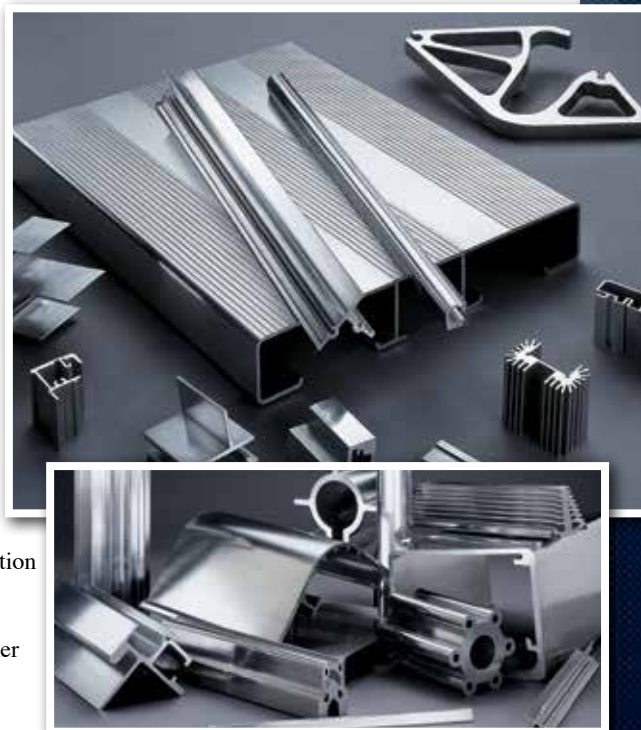


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About Us

Ambrose was established in 1977 by Norman Ambrose, working from a desk made up of a door stacked on top of orange crates, one phone and one customer. His philosophy then was "Take care of your Customer as if it is your only One", and it remains our mission statement today.

Ambrose Sales, Inc., the first business in our group, carries a full line of products, ranging from aluminum extrusions and coil to lead products, and also bag closing technologies. In 2000, Excellart was acquired from Carter Waters by Ambrose Sales. Since Ambrose had been in the extrusion industry for many years, the acquisition was a good fit to complement and expand our current product lines.

Ambrose Packaging, Inc. was added to the company in 1989 and includes a lineup of premier manufacturers in the packaging industry. We continue to bring the latest in innovative packaging ideas to our customers.

Our Team

Ambrose Companies employees share our dedication to customer service. We are proud of the fact that our first hire outside the family in January 1986 is still a member of our team today. We have a combined experience of over 100 years, and our time on the job is an average of 10 years.

We also provide scholarships for children of our employees through our Ambrose Scholarship Foundation founded in 2004. The Ambrose family believes in the importance of family and understands the importance of a good education.



Scan this QR Code to see a behind the scenes at Excellart Sign Products.



EC-9R Knockdown Kit w/ Removable Retainers

The EC-6/6R and EC-9/9R Frame Systems are possibly the most versatile frame systems in the EC-Family. The EC-6 and EC-9 Frame can be used for virtually any single or double face applications. This line of frame extrusions allows you to build cabinets from 6 1/2" to 16" deep! Since they are an EC-Frame, the EC-6 and EC-9 Frames can accommodate any retainer in the line; just select the desired EC Retainer and attach it to the Frame Body.

When using the EC-6R or EC-9R as the main frame body you only need to attach retainers on one end of the cabinet, thereby, keeping fabrication time to a minimum.

These knockdown kits will save you valuable time and money.

Frame System

Cabinet Depth

Style

Price Per Lineal Foot Mill Bronze

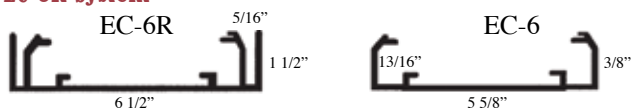
Economical Systems

EC-6R System	6-1/2"	S/F or D/F	\$9.64	\$12.69
EC-9R System	8-3/4"	S/F or D/F	\$13.61	\$18.13
EC-9 with FF Retainers	11-1/4"	D/F	\$20.42	\$27.64
EC-9 with FF-2 Retainers	12"	D/F	\$21.35	\$29.00

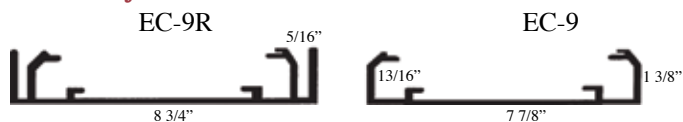
Cast Aluminum Radius Corners

1280777	EC-6 Cast Corner 6" Radius	\$60.00
1280177	LF-6 Cast Retainer 6" Radius	\$10.00
	Set - 1 corner and 2 retainers	\$80.00
1280022	EC-9 Cast Corner 9" Radius	\$70.00
1280122	LF-9 Cast Retainer 9" Radius	\$12.00
	Set - 1 corner and 2 retainers	\$94.00

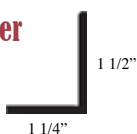
EC-6R System



EC-9R System



LF Retainer



EC-6R Kit w/ Radius Corners

3.25 Architectural System

Bleed Frame with Corner Angles

8'0" Radius Post with Reveal Connectors

8'0" Rectangular Post with Reveal Connectors

Radius End Caps

Rectangular End Caps

8" Radius Quarter End 24'2"

S/F or D/F

Add to Kit Pricing

Add to Kit Pricing

Add to Kit Pricing

Add to Kit Pricing

Part Number: 1380001

\$5.20/ft

\$165.00/kit

\$172.00/kit

\$2.75/ea.

\$2.75/ea.

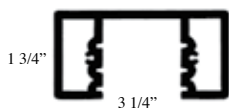
\$302.25/ea.

Architectural Extrusions

EC-32.5 Radius Post



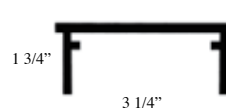
EC-32.5 Rectangular Post



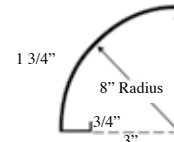
EC-Reveal Connector



EC-3.25 Bleed Frame



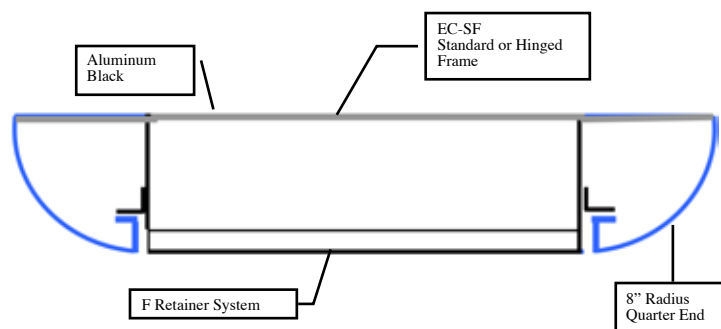
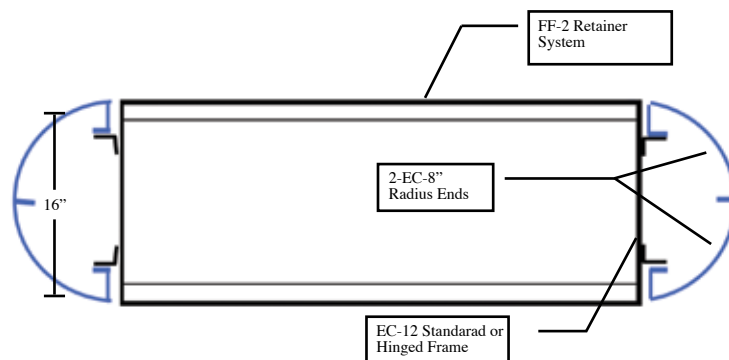
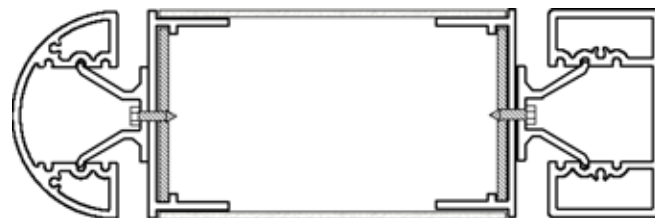
8" Radius Quarter End



Post & Frame Kit w/ Rectangular Posts



Post & Frame Kits feature easy slide Reveal Connectors





The Narrowline Series Kits are available in mill finish with the option of mitered corners or ADA approved radius corners. Measuring in at 3-7/8" Deep, these cabinets are the perfect match for LED lighting.

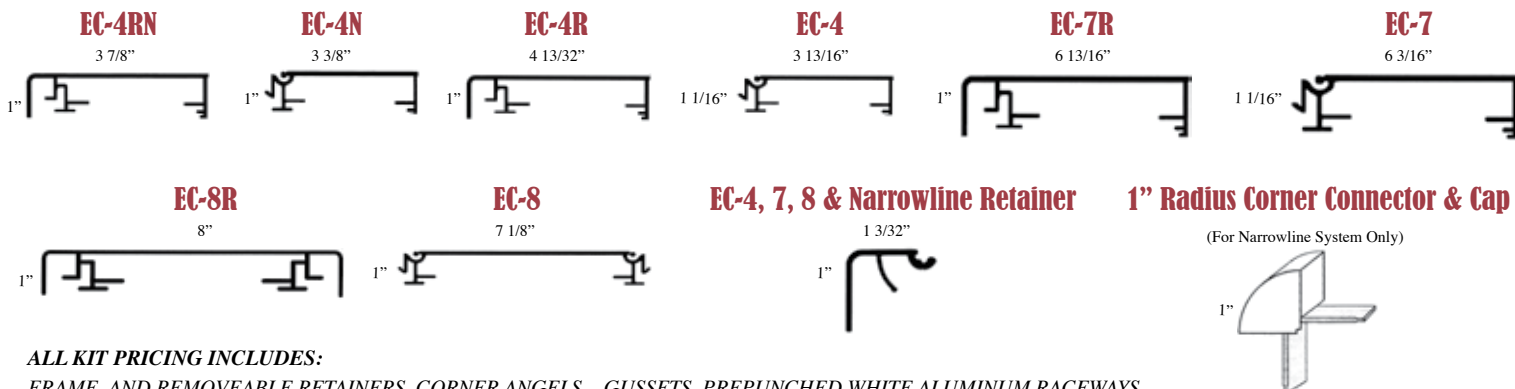
Features simple assembly with no visible fasteners and "Snap" Retainer System with a Narrow Profile. Perfect for LED Lighting!



EC- Narrowline Kit with Radius Corners

Frame System	Cabinet Depth	Style	Price Per Lineal Foot Mill
Point of Purchase System			
EC-S/F Narrowline w/ Mitered Corners	3-7/8"	S/F	\$8.50
EC-S/F Narrowline w/ Radius Corners	3-7/8"	S/F	\$9.07
EC-4R System	4-13/32"	S/F	\$8.82
EC-7R System	6-13/16"	S/F	\$12.47
EC-8R System	8"	D/F	\$14.18

EC 4, 7, 8 & Narrowline Systems



ALL KIT PRICING INCLUDES:

FRAME, AND REMOVEABLE RETAINERS, CORNER ANGELS, GUSSETS, PREPUNCHED WHITE ALUMINUM RACEWAYS, CUTTING AND PACKAGING CHARGES.

EC Standard & Hinged Systems

Frame System	Cabinet Depth	Style	Price Per Lineal Foot	
			Mill	Bronze

Standard Single Face Systems

EC-S/F Standard w/ LF Retainer	7-3/4"	S/F	\$12.47	\$15.71
EC-S/F Standard w/ F Retainer	8"	S/F	\$13.04	N/A
EC-S/F Standard w/ FF Retainer	9"	S/F	\$14.74	\$18.73
EC-S/F Standard w/ FF-2 Retainer	9-1/4"	S/F	\$15.31	\$19.34
EC-S/F Standard w/ XtraWide Ret	10-1/8"	S/F	\$16.44	N/A

Hinged Single Face Systems

EC-S/F Hinged w/ F Retainer	8"	S/F	\$14.74	N/A
EC-S/F Hinged w/ FF Retainer	9"	S/F	\$15.87	\$21.15
EC-S/F Hinged w/ FF-2 Retainer	9-1/4"	S/F	\$16.44	\$21.76
EC-S/F Hinged w/ XtraWide Ret	10-1/8"	S/F	\$17.58	N/A

Standard Double Face Systems

EC-D/F Standard w/ LF Retainer	10"	D/F	\$15.87	\$21.15
EC-D/F Standard w/ F Retainer	10-7/16"	D/F	\$17.58	N/A
EC-D/F Standard w/ FF Retainer	12-1/2"	D/F	\$20.41	\$27.19
EC-D/F Standard w/ FF-2 Retainer	13"	D/F	\$20.98	\$28.40
EC-D/F Standard w/ XtraWide Ret	14-7/8"	D/F	\$23.25	N/A

Hinged Double Face Systems

EC-D/F Hinged w/ F Retainer	10-7/16"	D/F	\$18.14	N/A
EC-D/F Hinged w/ FF Retainer	12-1/2"	D/F	\$20.98	\$28.26
EC-D/F Hinged w/ FF-2 Retainer	13"	D/F	\$22.11	\$29.47
EC-D/F Hinged w/ XtraWide Ret	14-7/8"	D/F	\$24.38	N/A

Wide Standard Double Face Systems

EC-12 Standard w/ LF Retainer	12-13/16"	D/F	\$19.84	\$25.99
EC-12 Standard w/ F Retainer	13-1/4"	D/F	\$21.54	N/A
EC-12 Standard w/ FF Retainer	15-5/16"	D/F	\$24.38	\$32.03
EC-12 Standard w/ FF2 Retainer	16"	D/F	\$24.95	\$33.24
EC-12 Standard w/ XtraWide Ret	17-3/4"	D/F	\$27.78	N/A

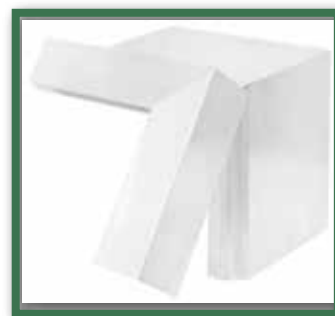
Wide Hinged Double Face Systems

EC-12 Hinged w/ F Retainer	13-1/4"	D/F	\$22.11	N/A
EC-12 Hinged w/ FF Retainer	15-5/16"	D/F	\$24.95	\$33.85
EC-12 Hinged w/ FF-2 Retainer	16"	D/F	\$26.08	\$35.06
EC-12 Hinged w/ XtraWide Ret	17-3/4"	D/F	\$28.92	N/A

Standard Frame System



Hinged Frame System



ALL KIT PRICING INCLUDES:
FRAME, AND REMOVEABLE
RETAINERS, CORNER ANGLES,
GUSSETS, **PREPUNCHED WHITE**
ALUMINUM RACEWAYS, CUT-
TING AND PACKAGING CHARGES.

EC Standard & Hinged Systems

EC-S/F Standard Frame

7 1/4"



EC-D/F Standard Frame

9 1/8"



EC-12 Standard Frame

12"



EC-S/F Hinged Frame

7 1/4"



EC-D/F Standard Frame

9"



EC-12 Hinged Frame

12"



EC Standard & Hinged Systems

Frame System

Cabinet Depth

Style

Price Per Lineal Foot Mill

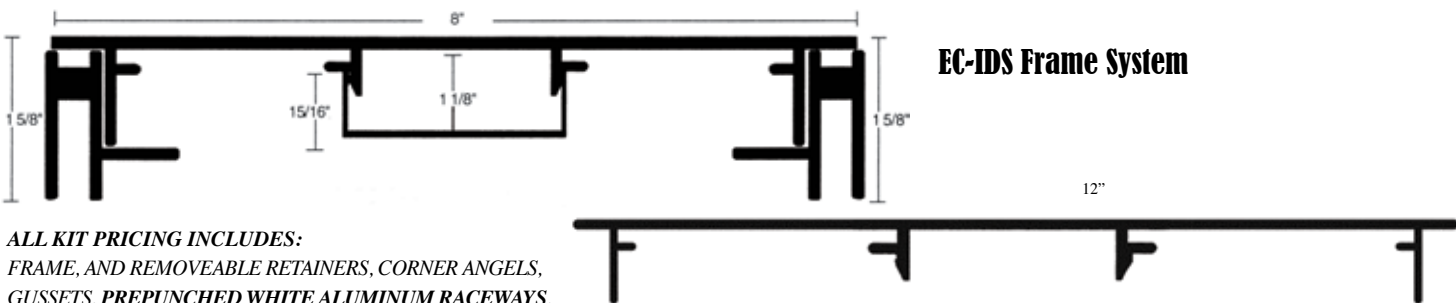
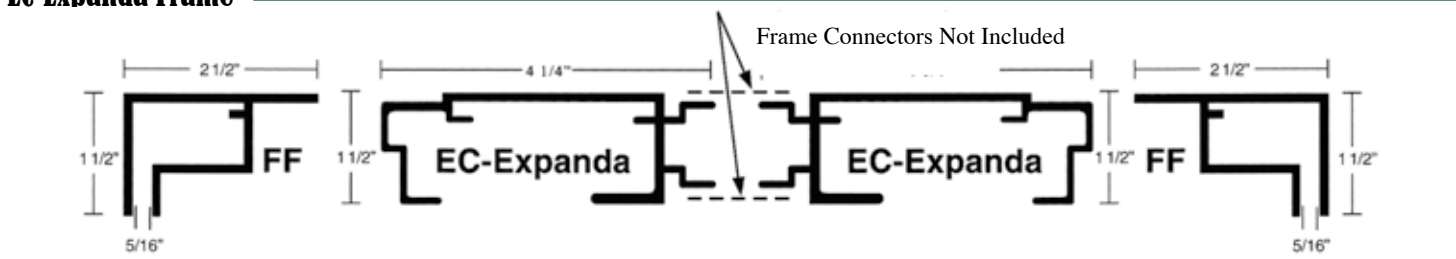
Expanda Frame and Retainers

EC-Expanda Frame w/ F Retainer		D/F	\$23.57
EC-Expanda Frame w/ FF Retainer		D/F	\$26.51
EC-Expanda Frame w/ FF-2 Retainer		D/F	\$27.46
EC-Expanda Frame w/ Flex Std & Std Cover		D/F	\$45.54

IDS Frame (Pylon Signs for Gas Station Signage)

EC-IDS Frame and Retainer	8"	D/F	\$16.37
EC-IDS Frame and Retainer	12"	D/F	\$22.00

EC-Expanda Frame



ALL KIT PRICING INCLUDES:
FRAME, AND REMOVEABLE RETAINERS, CORNER ANGLES,
GUSSETS, PREPUNCHED WHITE ALUMINUM RACEWAYS,
CUTTING AND PACKAGING CHARGES.

EC-IDS Frame

EC-Expanda Frame

EC-IDS Frame





Changeable Copy Kit with Full Vandal Cover

The EC-Changeable Copy System has been designed for single and double face applications on signs that need a two retainer system. The first retainer holds the interior face and changeable copy track while the other retainer system holds the clear locking vandal cover. The ease of both systems will save you long hours of fabrication and provide your clients with a great looking sign.

Excellart's Non-Visible, Built-In Support Arms are the perfect complement to our Changeable Copy Systems. These support arms come pre-installed in our knockdown kits and allow the end user to easily access the cabinet to change letters or service the sign. Simply open the hinging vandal cover and the support arms lock into place. No longer do you need to fight the resistance of gas shocks! Excellart's Support Arms allow for easy opening and closing. The perfect addition to your new Changeable Copy System!



Changeable Copy Kit with Split Vandal Cover

ALL KIT PRICING INCLUDES:

FRAME, AND REMOVEABLE RETAINERS, CORNER ANGLES, GUSSETS, **PREPUNCHED WHITE ALUMINUM RACEWAYS**, CUTTING AND PACKAGING CHARGES.

Frame System	Cabinet Depth	Style	Price Per Lineal Foot Mill	Bronze
Changeable Copy Single Face System*				
EC-S/F Hinged w/ FF & H-1 Retainer	9"	S/F	\$17.01	N/A
EC-S/F Hinged w/ FF-2 & H-1.5 Ret	9-1/4"	S/F	\$18.71	\$24.18
EC-S/F Split Vandal Cover	9"	S/F	\$22.68	\$29.01
Changeable Copy Double Face System*				
EC-D/F Hinged w/ FF & H-1 Retainer	12-1/2"	D/F	\$23.81	N/A
EC-D/F Hinged w/ FF-2 & H-1.5 Ret	13"	D/F	\$27.22	\$35.06
EC-D/F Split Vandal Cover	12 1/2"	D/F	\$35.16	44.73
Wide Changeable Copy Double Face System*				
EC-12 Hinged w/ FF & H-1 Retainer	15-5/16"	D/F	\$27.78	N/A
EC-12 Hinged w/ FF-2 & H-1.5 Ret	16"	D/F	\$31.19	\$41.10
EC-12 Split Vandal Cover	15-5/16"	D/F	\$39.12	\$50.17

* Locks not included

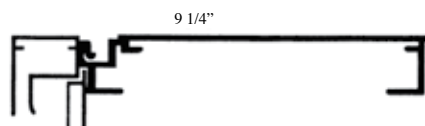
Changeable Copy Signs for Schools and Churches



Scan this QR Code to see a video about the Changeable Copy System.

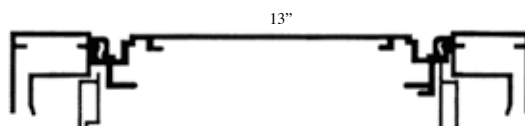
EC-S/F Hinged Frame

"with H-1 & FF-2 Retainers"



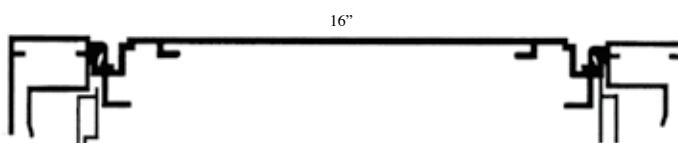
EC-D/F Hinged Frame

"with H-1 or H-1.5 & FF-2 Retainers"



EC-12 Hinged Frame

"with H-1 or H-1.5 & FF-2 Retainers"



Item#

Description

Price Per Piece

Accessories

1280312	Changeable Copy Lock for FF-2 Retainer	\$30.00
1280318	Changeable Copy Lock for FF Retainer	\$30.00
1280312ARM	Changeable Copy Locking Support Arm	\$30.00

Drilled & Installed Lock



Fabricating Support Arms for Vandal cover



Built-In Locking Support Arms provide easy access to change or replace letters

Flex Frame Knockdown System

Frame System

Flex Frame System Only

EC-Flex Standard w/ Std Trim Cover
EC-Flex Standard w/ Bleed Trim Cover
EC-Flex Retro w/ Standard Trim Cover

Cabinet
Depth

4"
3-3/4"
2-3/4"

Style

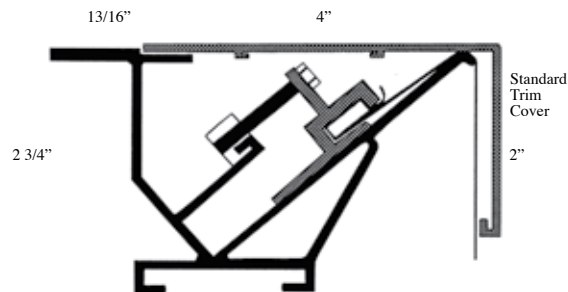
S/F
S/F
S/F

Price Per Lineal Foot
Mill

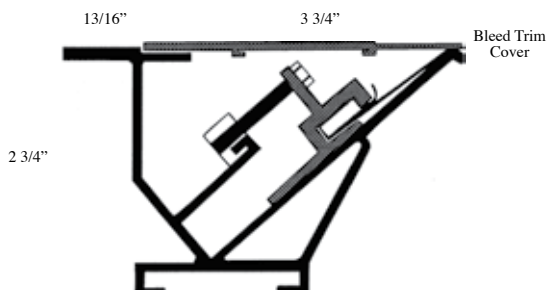
\$13.61
\$12.47
\$11.34

Excellart Frames & Retainers

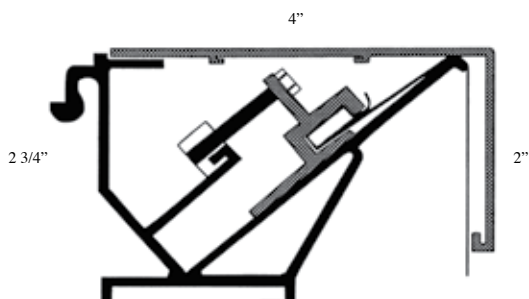
Standard Frame with Standard Cover



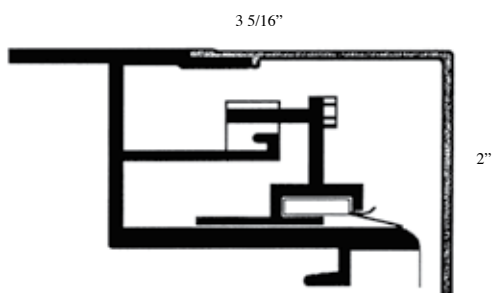
Standard Frame with Bleed Trim Cover



Hinged Frame with Standard Cover



Flex Retro Frame with Standard Cover



ALL KIT PRICING INCLUDES: FRAME, FLEX FRAME AND TRIM COVER, CORNER ANGLES, GUSSETS, **PREPUNCHED WHITE ALUMINUM RACEWAYS**, ALL METAL CLIP SYSTEM, BRACES, CUTTING AND PACKAGING CHARGES.

EC-D/F Std Frame with Flex Std Frame & Std Cover



EC-Flex Clip



Flex Frame Brace



Flex Frame Knockdown System

Custom Kerf Cut Flex Face Extrusions

Update the look of a traditional flex face sign with radius corners! Each corner is hand-cut and pre-bent to ensure the corner retains the highest quality you would expect from an Excellart extrusion.

We currently have in stock and ready-to-ship corners available in 5" radius, 7" radius and 10" radius.

Do you need custom bent cabinet? No problem!

Our Kerf-Cut extrusions are available in straight-length pieces ready to bend into virtually any shape. For radiuses smaller than 10" we would recommend using our tighter cut 4' 6" straight lengths. For radiuses 10" and larger we would recommend using our standard cut 13' 0" staright lengths.

For a complete knockdown kit? Pair our Flex Frame with any of our EC-Standard Frames for complete knockdown kit.

CALL TODAY FOR QUOTES ON KERF-CUT KNOCKDOWN KITS AND CUSTOM CABINETS.

*All of our custom Kerf-Cut Flex Frames will require the Bleed Trim Cover. The Standard Cover is not offered in this setup.

Item#	Description	Price
1280425RAD5	5" Radius Corner	\$100.00
1280425RAD7	7" Radius Corner	\$110.00
1280425RAD10	10" Radius Corner	\$120.00
1280425KRF13	13'0" Kerf-Cut Straight Length	\$201.50
1280425KRF4	4' 6" Kerf-Cut Straight Length	\$99.75

*All Radius Corners & Kerf-Cut Straight Lengths include Bleed Trim Cover

Radius Corner without Bleed Trim Cover installed



Custom Radius End Piece



Radius Corner with Bleed Trim Cover installed

Flex Frame Knockdown System

Frame System

Flex Single Face Complete System

EC-S/F Std Frame w/ Flex Std & Std Cover	11-3/8"	S/F	\$23.81
EC-S/F Hinged Frame w/ Flex Std & Std Cover	11-3/8"	S/F	\$24.38
EC-S/F Std Frame w/ Flex Std & Bleed Cover	11-1/8"	S/F	\$22.68
EC-S/F Hinged Frame w/ Flex Std & Bleed Cover	11-1/8"	S/F	\$23.25
EC-S/F Std Frame w/ Flex Retro & Std Cover	10"	S/F	\$21.54

Flex Double Face Complete System

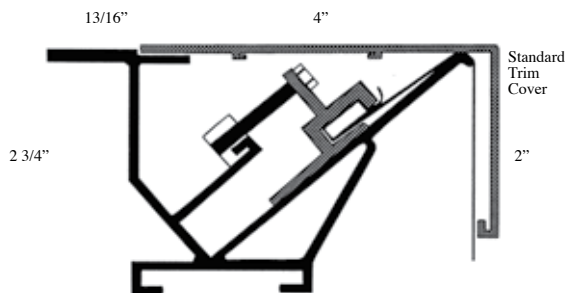
EC-D/F Std Frame w/ Flex Std & Std Cover	17-3/16"	D/F	\$39.12
EC-D/F Hinged Frame w/ Flex Std & Std Cover	17-3/16"	D/F	\$42.53
EC-D/F Std Frame w/ Flex Std & Bleed Cover	16-3/4"	D/F	\$36.29
EC-D/F Hinged Frame w/ Flex Std & Bleed Cover	16-3/4"	D/F	\$38.58
EC-D/F Std Frame w/ Flex Retro & Std Cover	14-5/8"	D/F	\$35.16

Flex Wide Double Face Complete System

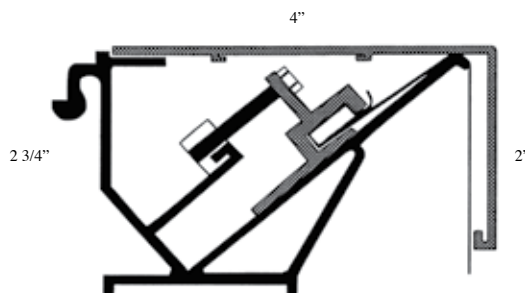
EC-12 Std Frame w/ Flex Std & Std Cover	20-1/8"	D/F	\$41.96
EC-12 Hinged Frame w/ Flex Std & Std Cover	20-1/8"	D/F	\$46.50
EC-12 Std Frame w/ Flex Std & Bleed Cover	19-1/16"	D/F	\$39.12
EC-12 Hinged Frame w/ Flex Std & Bleed Cover	19-1/16"	D/F	\$43.04
EC-12 Std Frame w/ Flex Retro & Std Cover	17-1/2"	D/F	\$38.56

Excellart Frames & Retainers

Standard Frame with Standard Cover



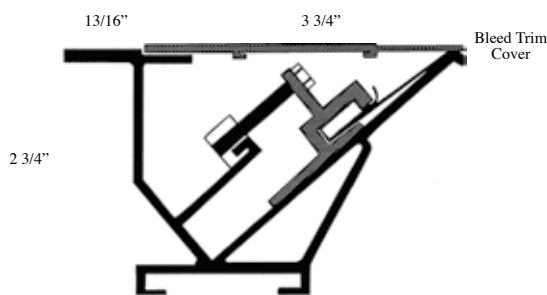
Hinged Frame with Standard Cover



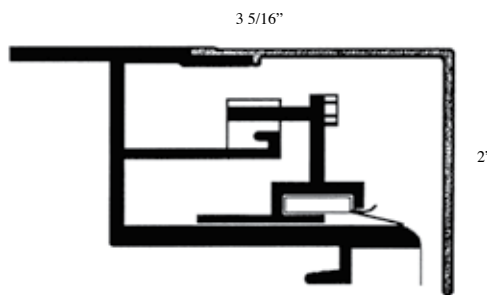
EC-Flex Clip



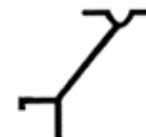
Standard Frame with Bleed Trim Cover



Flex Retro Frame with Standard Cover



Flex Frame Brace



ALL KIT PRICING INCLUDES: FRAME, FLEX FRAME AND TRIM COVER, CORNER ANGLES, GUSSETS, PREPUNCHED WHITE ALUMINUM RACEWAYS, ALL METAL CLIP SYSTEM, BRACES, CUTTING AND PACKAGING CHARGES.

Flex Frame Knockdown System

Frame System	Cabinet Depth	Style	Price Per Lineal Foot Mill
Flex With Single Face Access Frame			
EC-S/F Access Frame w/ Flex Std & Std Cover	11-1/2"	S/F	\$29.48
EC-S/F Access Frame w/ Flex Std & Bleed Cover	11-1/2"	S/F	\$28.35
EC-S/F Access Frame w/ Flex Retro & Std Cover	10-1/8"	S/F	\$27.22



EC-S/F Access Frame w/ Flex Retro System. Access Cover is closed



Access Cover removed for easy serviceability

ALL KIT PRICING INCLUDES:
FRAME, FLEX FRAME AND TRIM COVER, CORNER ANGELS, GUSSETS,
PREPUNCHED WHITE ALUMINUM RACEWAYS, ALL METAL CLIP
SYSTEM, BRACES, CUTTING AND PACKAGING CHARGES.

Channel Letter Raceway

Item #	Description	WT/PC	PCS/BDL	Price / PC	Price/ FT
2 Piece CLRW - 4 3/4" Tall x 5" Wide x 26'0" Long					
1401012	Raceway	57	8	\$156.00	\$6.00
1401013	Lid	14	8	\$45.50	\$1.75
1401012R	End Cap (Right)			\$7.00	
1401012L	End Cap (Left)			\$7.00	
1401014	Brace			\$2.00	
2 Piece CLRW - 7" Tall x 4 1/2" Wide x 26'0" Long					
1401015	Raceway	57	8	\$325.00	\$12.50
1401016	Lid	14	16	\$39.48	\$1.48
1401017	End Cap			\$7.00	
1401018	Brace			\$2.00	
CLRW ACCESSORIES					
1401007	Mounting Bracket (12')			\$28.00	
1401008	Mounting Bracket (2")			\$0.50/ea.	



Featuring our 7" CLRW



Featuring our 7" CLRW

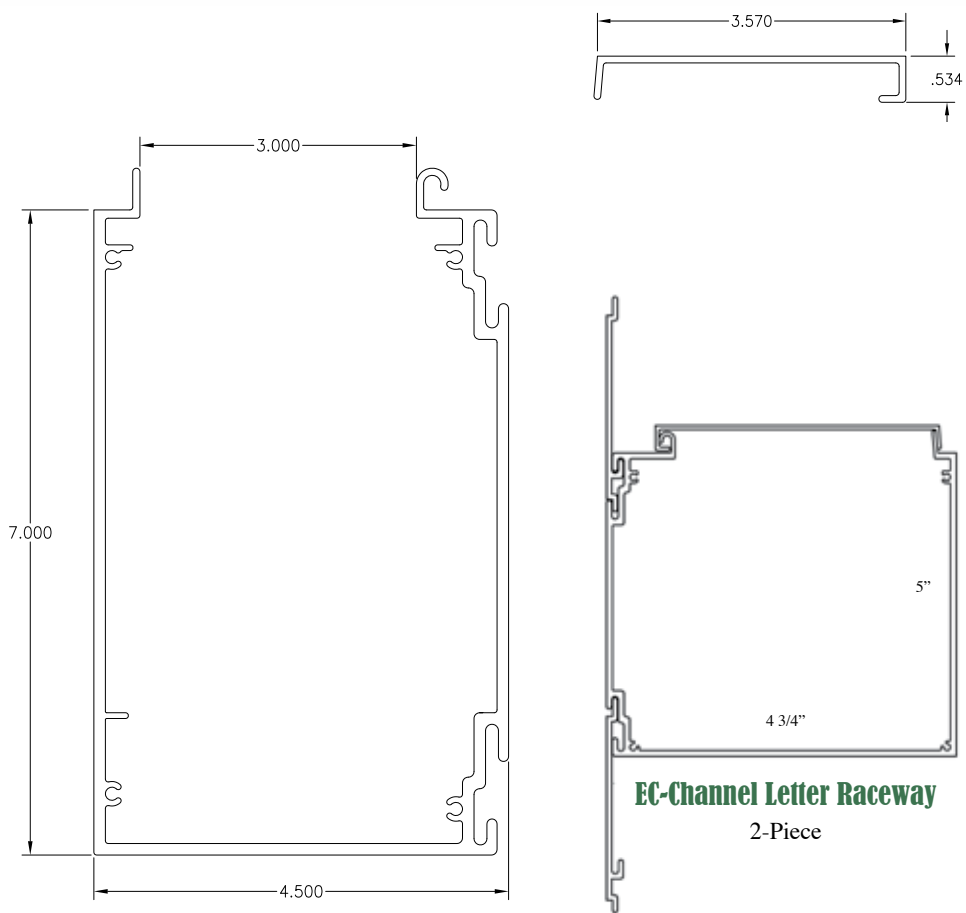


Featuring our 5" CLRW

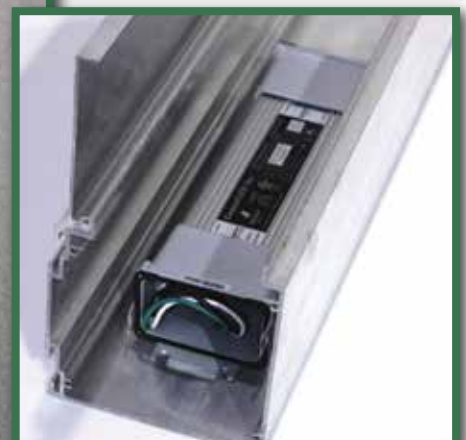


Featuring our 5" CLRW

Channel Letter Raceway



Scan this QR Code to see a video about the Channel Letter Raceway

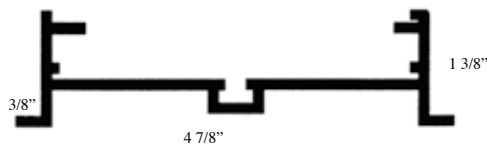


Integrated Mounting Brackets

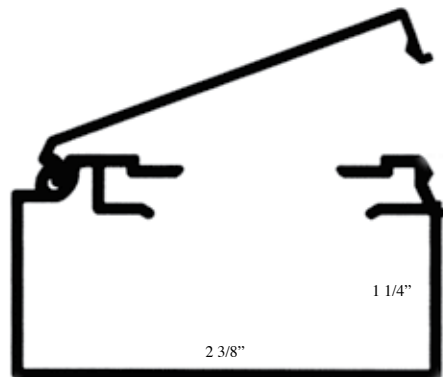


Item #	Description	WT/PC	PCS/BDL	Price Per Piece
Lamp Socket Raceway - 12'0" Long				
1281403	Lamp Socket Raceway	10	16	\$30.44
1281404	Snap on Cover	2	24	\$13.20
Lamping Accessories Mill Finish - 12'0" long				
1281401	EC-Lamp Raceway (2 3/4")	8	24	\$38.86
1281402	EC-LR Snap on Cover	2	24	\$13.36
1280222	Lamp Ballast Track 26'0" Long	22	8	\$111.69
1280293A	Lamp Ballast Track Cover 12'0" x .040 white aluminum	5	8	\$22.50
Painted White Aluminum Raceway .040 x 12'0" long				
1290215A	Narrowline			\$14.50
1280314A	EC-4			\$16.50
1280124A	EC-6			\$22.50
1280315A	EC-7			\$26.00
1280803A	EC-8			\$34.00
1280116A	EC-9			\$34.50
1280218A	EC-S/F Std or Hinged			\$32.50
1280216A	EC-D/F Std			\$45.00
1280217A	EC-D/F Hinged			\$41.00
1280205A	EC-12 Std or Hinged			\$57.00
1280195	D Punches			\$1.00
EC IDS Raceway - 26'0" Long				
1280905	EC-IDS Raceway - 8"	8	8	\$38.72
1280902	EC-IDS Raceway - 12"	56	8	\$47.42

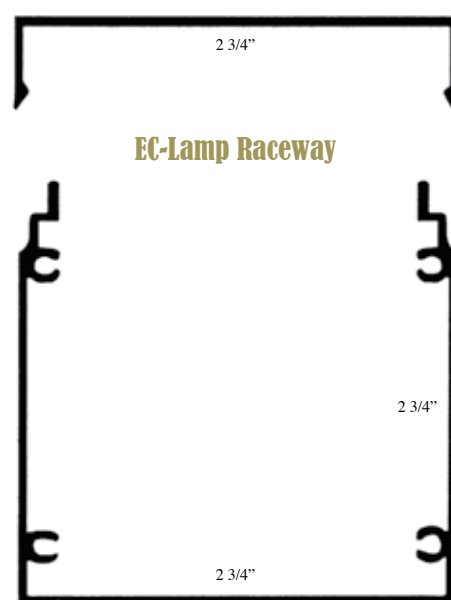
EC-Lamp/Ballast Track



EC-Socket Raceway



EC-Lamp Raceway Cover



EC-Lamp Raceway



EC-Lamp Socket Raceways

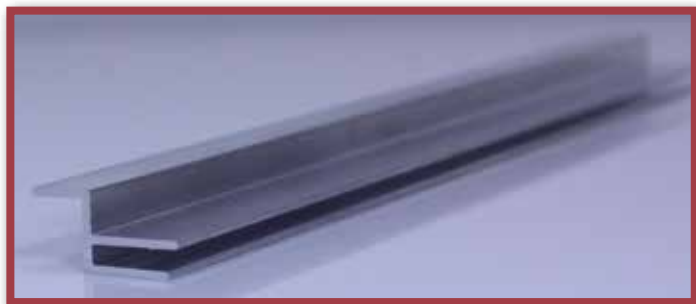
Pre-punched Aluminum Raceways are included in every Ecellart Knockdown Kit.

Original Frame System

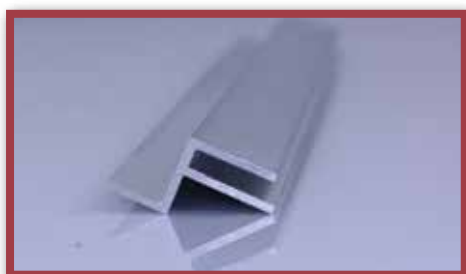
Frame System

Flex Single Face Complete System

Frame System	Cabinet Depth	Style	Price Per Lineal Foot Mill
MCR Frame w/ MC Alt Retainer	4-3/8"	D/F	\$4.83
C Frame w/ ZF.188 Retainer	8"	D/F	\$11.38
C Frame w/ ZF 1 1/2 Retainer	8"	D/F	\$12.84
C-2 Frame w/ ZF 188 Retainer	10-1/8"	D/F	\$15.51
C-2 Frame w/ ZF 1 1/2 Retainer	10-1/8"	D/F	\$16.95



ZF.188 Retainer



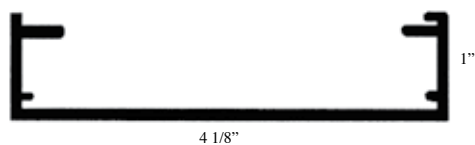
ZF.188 Retainer



MCR Frame w/ MC ALT Retainer Knockdown Kit

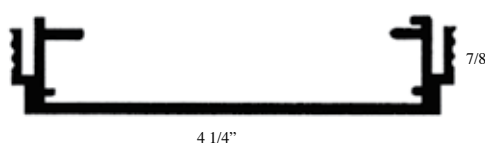
Excellart Frames & Retainers

M-C Frame



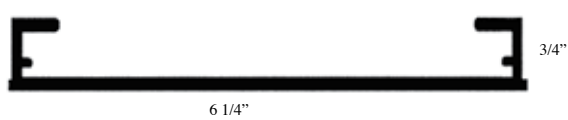
4 1/8"

MC-R Frame



4 1/4"

C Frame



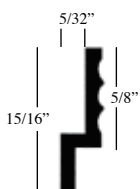
6 1/4"

C Frame

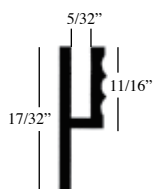


8 1/2"

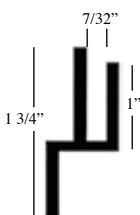
M-C Alternate



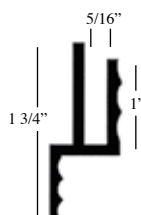
M-C



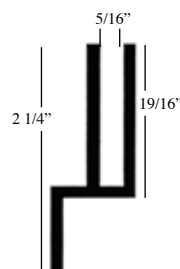
ZF.188



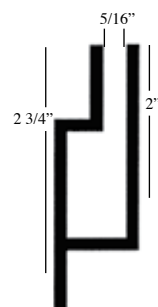
ZF.250



ZF - 1 1/2



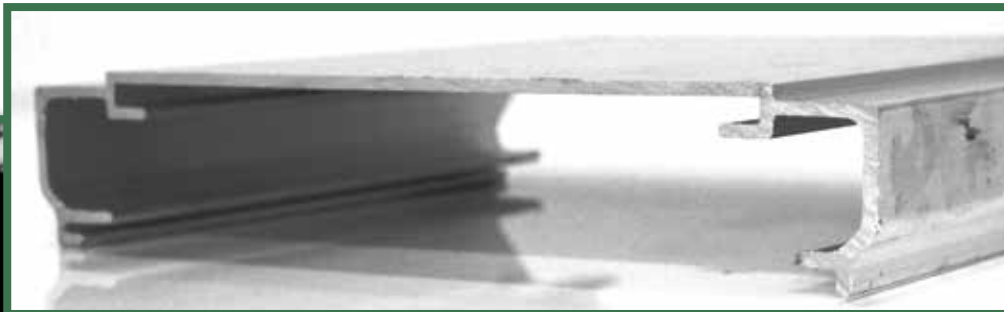
ZF -2



ALL KIT PRICING INCLUDES: FRAME, RETAINERS, CORNER ANGLES, GUSSETS, CUTTING AND PACKAGING CHARGES.

Item #	Description	WT/PC	PCS/BDL	Price Per Piece	
				Under 2000#	Over 2000#
EC Frames Mill Finish - 26' 0" Long					
1290202	EC-4N Narrow line	15	16	\$88.14	\$73.45
1290201	EC-4RN Narrow line	18	16	\$102.18	\$85.15
1280497	EC-4	17	12	\$96.72	\$80.60
1280498	EC-4R	19	12	\$106.08	\$88.40
1280499	EC-7	25	8	\$143.52	\$119.60
1280311	EC-7R	31	8	\$178.62	\$148.05
1280802	EC-8	30	8	\$167.70	\$139.75
1280801	EC-8R	35	8	\$198.90	\$165.75
1280126	EC-6	26	8	\$124.80	\$99.84
1280128	EC-6R	36	8	\$172.90	\$138.32
1280114	EC-9	40	8	\$193.05	\$154.50
1280115	EC-9R	53	8	\$253.50	\$202.80
1280505	EC-S/F Standard	41	8	\$193.70	\$154.96
1280466	EC-S/F Hinged	43	8	\$206.05	\$164.84
1281420	EC-D/F Standard	43	8	\$206.05	\$164.84
1280465	EC-D/F Hinged	48	8	\$227.50	\$182.00
1280296	EC-12 Standard	63	4	\$306.15	\$244.92
1280202	EC-12 Hinged	66	4	\$320.94	\$256.36
1280610	EC-Expanda Frame	37	8	\$176.77	\$141.42

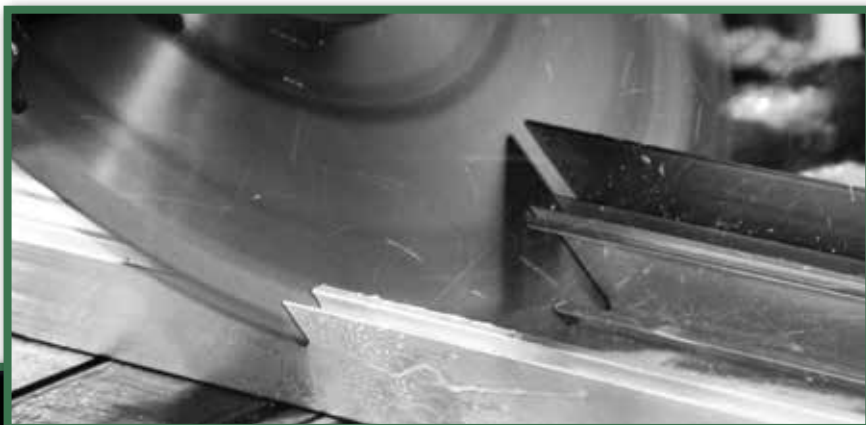
EC - 9 Frame



EC - D/F Standard Frame Bundle

Item #	Description	WT/PC	PCS/BDL	Price Per Piece	
				Under 2000#	Over 2000#
EC Frames Bronze Finish - 20' 6" Long					
1280271	EC-6	21	8	\$126.73	\$100.92
1280272	EC-6R	29	8	\$177.12	\$141.04
1280273	EC-9	32	8	\$197.04	\$156.91
1280274	EC-9R	42	8	\$259.03	\$206.27
1281001	EC-S/F Standard	32	8	\$197.58	\$157.33
1280278	EC-S/F Hinged	36	8	\$224.72	\$178.94
1281421	EC-D/F Standard	34	8	\$210.87	\$167.91
1280281	EC-D/F Hinged	38	8	\$231.90	\$184.66
1280297	EC-12 Standard	50	4	\$311.66	\$247.70
1280460	EC-12 Hinged	52	4	\$260.47	\$258.77

Cutting an ESP Knockdown Kit



Packaging Full Length Retainer Pieces for shipping



Anodizing bath for full length extrusions

Item #	Description	WT/PC	PCS/BDL	Price Per Piece	
				Under 2000#	Over 2000#
EC Retainers Mill Finish - 26' 0" Long					
1280496	EC-4, 7, 8 & Narrow line	5	24	\$24.70	\$19.76
1280125	LF Retainer	9	18	\$43.55	\$34.84
1280301	F Standard	14	24	\$63.05	\$50.44
1280302	F Hinged	14	24	\$65.00	\$52.00
1280117	FF Standard	20	8	\$96.20	\$76.96
1280224	FF Hinged	20	8	\$101.40	\$81.12
1280295	FF-2 Standard	22	8	\$105.95	\$84.76
1280294	FF-2 Hinged	23	8	\$105.95	\$84.76
1280203	Xtra-Wide Standard	28	8	\$139.10	\$111.28
1280204	Xtra-Wide Hinged	29	8	\$144.95	\$115.96
1280201	H-1 Internal Retainer	6	30	\$30.55	\$24.44
1280487	H-1.5 Internal Retainer	11	16	\$53.30	\$42.64

EC Retainers Bronze Painted - 20' 6" Long

1280277	LF Retainer	7	18	\$44.82	\$35.69
1280276	FF Standard	16	8	\$98.52	\$78.45
1280279	FF Hinged	16	8	\$103.49	\$82.40
1280298	FF-2 Standard	18	8	\$110.13	\$87.69
1280299	FF-2 Hinged	18	8	\$110.13	\$87.69
1280486	H-1.5 Internal Retainer	9	16	\$54.24	\$43.19

Retainers

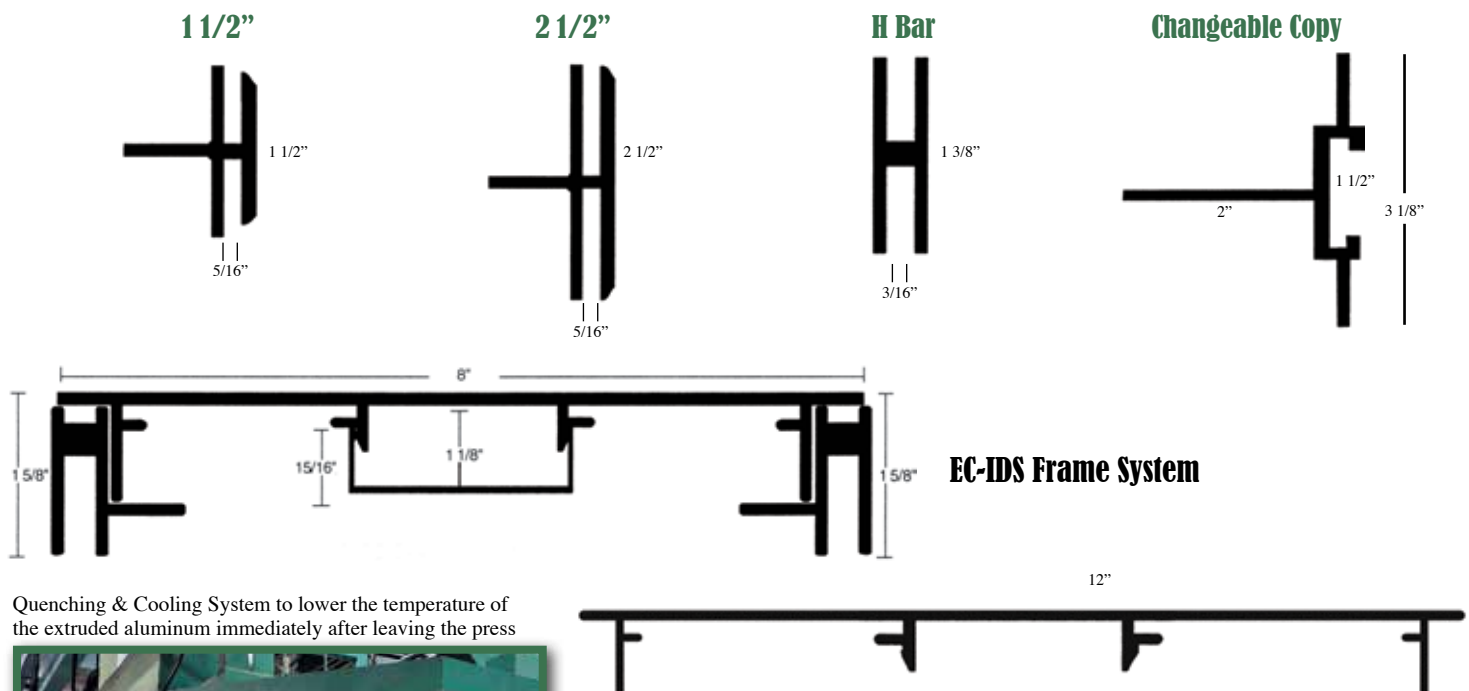
F Retainer	F Hinged Retainer	FF Retainer Short	FF Flat Face Retainer	FF Hinged Retainer	FF Standard Retainer
FF-2 Hinged Retainer	EC-Xtra Wide Retainer	EC-Xtra Hinged Retainer	LF Retainer	H-1 Retainer	H-1.5 Retainer



LF Retainers

Item #	Description	WT/PC	PCS/BDL	Price Per Piece	
				Under 2000#	Over 2000#
EC IDS Frame and Retainer - 26' 0" long					
1280901	EC-IDS Frame - 8"	33	8	\$158.02	\$126.42
1280900	EC-IDS Frame - 12"	56	8	\$260.65	\$215.72
1280905	EC-IDS Raceway - 8"	8	8	\$38.72	\$30.98
1280902	EC-IDS Raceway - 12"	56	8	\$47.42	\$37.94
1280906	EC-IDS Retainer	13	16	\$63.80	\$51.04
Divider Bars Mill Finish - 26' 0" Long					
1280166	1-1/2" Divider Bar	14	8	\$69.62	\$55.70
1280167	2-1/2" Divider Bar	21	8	\$97.45	\$77.96
1281101	H Divider Bar 24' 6" Long	6	20	\$39.12	\$31.30
1280472	1-1/2" Divider Bronze 20' 6"	12	8	\$71.09	\$56.60

Divider Bars

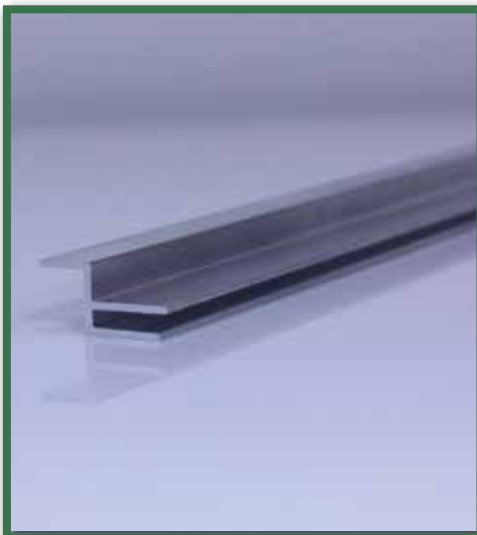


Material waiting to be unloaded at Excellart.

Item #	Description	WT/PC	PCS/BDL	Price Per Piece	
				Under 2000#	Over 2000#
ESP Original Frames Mill Finish - 26' 0" Long					
1280101	MC Frame	14	20	\$65.55	\$52.44
1280102	MC-R Frame	17	18	\$83.05	\$66.44
1280110	C Frame	25	12	\$119.30	\$95.44
1280109	C-2 Frame	43	8	\$211.30	\$169.40
ESP Original Retainers Mill Finish - 26' 0" Long					
1280150	MC Retainer	4	25	\$18.25	\$14.60
1280151	MC Alternate Retainer	2	50	\$9.80	\$7.84
1280165	ZF.188 Retainer	10	34	\$47.65	\$38.12
1280153	ZF.250 Retainer	9	34	\$43.32	\$34.66
1280163	ZF 1-1/2" Retainer	13	25	\$62.42	\$49.94
1280164	ZF 2 Retainer	19	18	\$92.47	\$73.98
EC Flex Face System Mill Finish - 26' 0" Long					
1280425	Flex Standard Frame	35	8	\$175.77	\$140.62
1280420	Flex Hinged Frame	36	8	\$177.85	\$142.28
1280503	Flex Retro Frame	30	8	\$141.27	\$113.02
1280430	Flex Standard Trim Cover	13	8	\$62.55	\$50.04
1280504	Flex Retro Std Trim Cover	9	8	\$42.82	\$34.26
1280415	Flex Bleed Trim Cover	9	8	\$42.07	\$33.66
1281301	S/F Access Frame	55	4	\$270.72	\$216.58
1281302	S/F Access Cover	15	4	\$73.47	\$58.78
1280400	Universal Flex Clip		250	\$1.30/ea.	
1280401	Flex Standard Clip System		25	\$1.56/ea.	
1280601	Flex Retro Clip System		25	\$1.56/ea.	
1280501	Flex Brace		10	\$2.25/ea.	
1280307	Flex Gusset		10	\$1.00/ea.	

* Refer to page 19 of the catalog for drawings of the ESP Original Frames and Retainers

* Refer to page 12 for drawings of the Flex Face Frame Systems



ZF.188 Retainer



Universal Flex Clip



ZF.188 Retainer

Item #	Description	WT/PC	PCS/BDL	Price Per Piece	
				Under 2000#	Over 2000#
EC 3.25 Architectural System Mill Finish - 25' 0" long					
1380301	EC-3.25 Radius Post	33	6	\$172.37	\$137.90
1380302	EC-3.25 Rectangular Post	42	6	\$215.90	\$172.72
1380101	EC-3.25 Reveal Connector	14	12	\$68.62	\$54.90
1380303	EC-3.25 Bleed Frame	20	12	\$102.27	\$81.82
1380001	8" Radius Quarter End 24' 2"	64	4	\$302.25	\$241.80
1380320	End Caps Radius		10	\$2.75ea.	
1380330	End Caps Rectangular		10	\$2.75/ea.	



Cast house furnace

Cast house oven

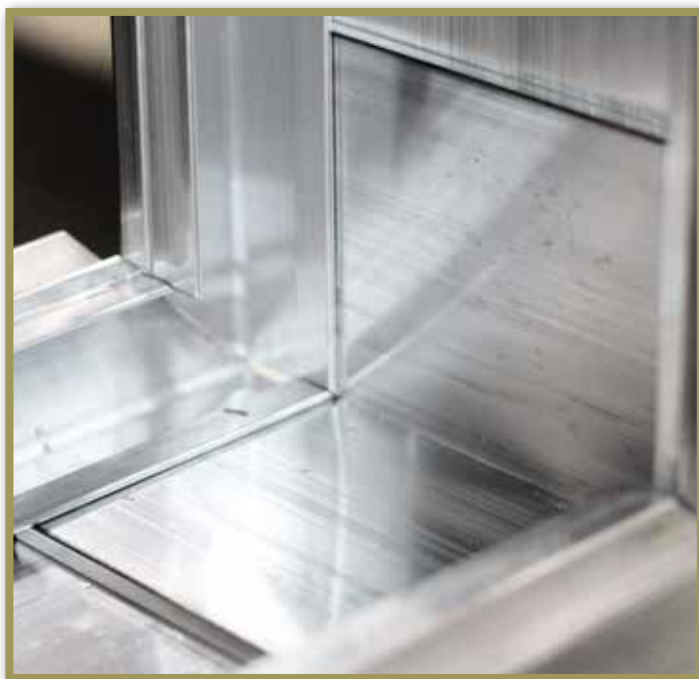
Extruder Press Operator

Item #	Description	Price Per Piece
Aluminum Piano Hinges		
1280175	2" x 6' Piano Hinge	\$16.00
1280176	2" x 8' Piano Hinge	\$21.95
1280174	3" x 6' Piano Hinge	\$28.00
1280214	3" x 8' Piano Hinge	\$30.50
1280213	2" x 6' Piano Hinge (Heavy Duty)	\$37.50
Angles		
1280130	2" x 2" x 1/8" - 16' 0" Long	\$51.24
1280131	3" x 3" x 3/16" - 12' 0" Long	\$87.00
1280452	Narrowline Angle	\$.80
1280313	EC-4 Angle	\$.85
1280310	EC-Bleed Frame Angle	\$1.59
1280123	EC-6 Angle & 12" IDS Frame Angle	\$2.38
1280316	EC-7 Angle	\$1.59
1280804	EC-8 Angle	\$1.59
1280139	EC-9, S/F, D/F Hinged, C, Access Frame Angle	\$3.71
1280140	EC-D/F Standard Angle	\$4.77
1280206	EC-12 Angle & C2	\$5.30
1280903	EC-IDS Angle	\$1.59
1280133	EC-MC & MCR Angle	\$1.06
1280614	Expanda Angle	\$1.59
Gussets		
1280185	F, ZF.188, ZF.250, ZF1-1/2, ZF2 Retainer Gusset	\$.75
1280119	FF Retainer Gusset	\$1.00
1280307	FF-2, Flex Frame and Xtra Wide Gusset	\$1.50
1280308	Changeable Copy Divider Bar Gusset	\$1.00
1280904	IDS Gusset	\$1.00

Angles, Gussets and Splice Plates are included in all Knockdown Kits.

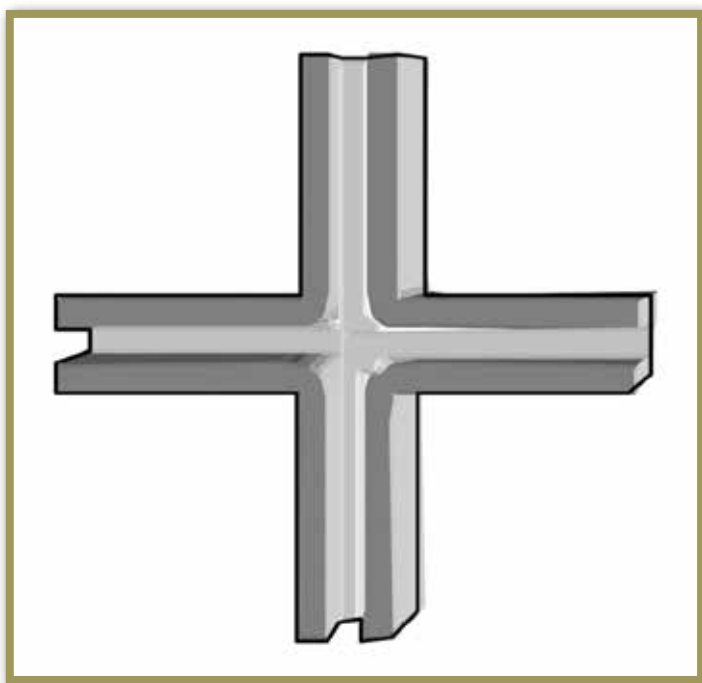


Piano Hinges

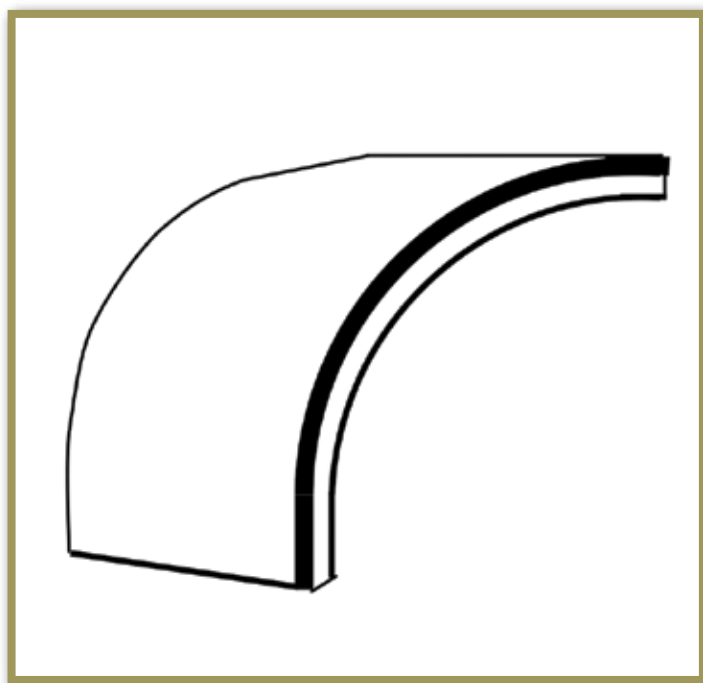


Corner Angle

Item #	Description	Price Per Piece
Splice Plates		
1280474	Splice Plate for Flex Frame, Xtra Wide & FF-2 Retainer	\$1.25
1280475	Splice Plate for EC-Frame	\$1.75
1280476	Splice Plate for EC-9, S/F-9, S/F, D/F, C, Access Frame	\$2.50
1280479	Splice Plate for EC-D/F Standard Frame	\$2.25
1280477	Splice Plate for EC-12 Frame	\$3.20
Cast Aluminum Radius Corners		
1280777	EC-6 Cast Corner 6" Radius	\$60.00
1280177	LF-6 Cast Retainer 6" Radius	\$10.00
1280022	EC-9 Cast Corner 9" Radius	\$70.00
1280122	LF-9 Cast Retainer 9" Radius	\$12.00
	Set - 1 Corner and 2 Retainers	\$94.00
Accessories		
1280180	IDX Casting for Divider Bars	\$14.00
1280312	Changeable Copy Lock for FF-2 Retainer	\$30.00
1280318	Changeable Copy Lock for FF Retainer	\$30.00
1280312ARM	Changeable Copy Locking Support Arm	\$30.00
1280473	Bronze Touch-up Paint	\$4.00



IDX Casting



Cast Radius Corner

For Rigid Face Knockdown Kits

All ESP Frame System knockdown kits can be assembled by using mechanical fasteners, or with recommended adhesives, or by welding. Special tools are not required to assemble ESP knockdown kits. Proper structural techniques should be used during fabrication.

Step 1 - Check for freight damage before signing for product. If damage is present, note it on the bill of lading.

Step 2 - Frame Assembly

Locate all components, (Frame, Retainers, Corner Angles, Etc.). Verify frame size before assembling. Insert corner angles into frame. Square each corner of the cabinet before fastening.

Note: Fasteners for the frame and retainers are not included in ESP knockdown kits.

Step 3 - Internal Structures

Electrical sign cabinets need to be built and structured based on the installation and size of the cabinet. Consult your engineer on the structuring and wind load specifications that your sign requires.

Note: Excellart does not provide vertical or horizontal braces, mounting brackets or engineered drawings.

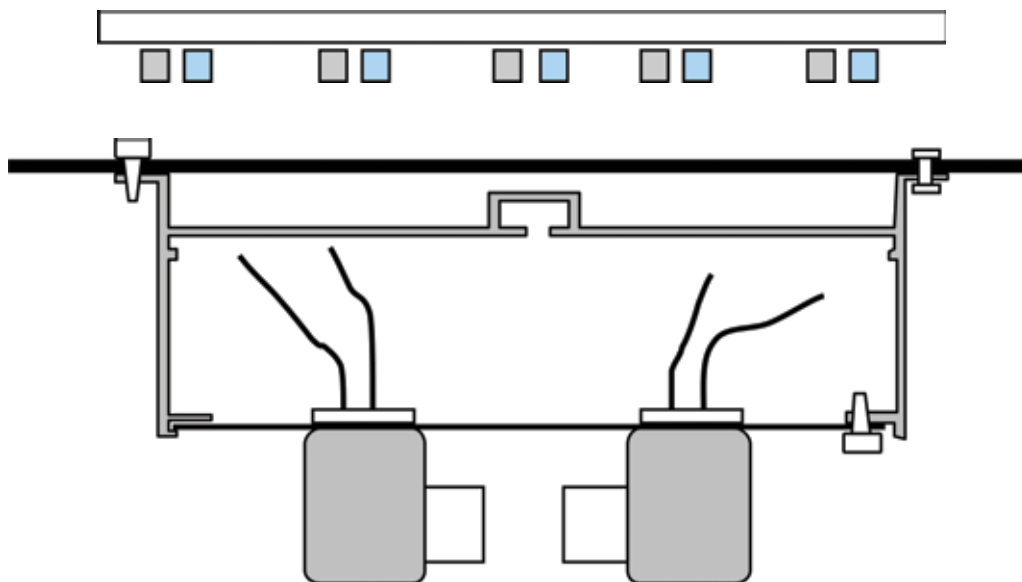
Step 4 - Retainer Assembly

Align the retainers to the frame. Attach each retainer by fastening it to the cabinet with a metal screw along the length of the cabinet. Pre-drilling the frame and retainers will facilitate this process. When using ESP's hinged frame systems, corner gussets are provided to connect the retainers. The Hinged Retainer is only for the top. The Standard Retainers are for the sides and bottom. Fasten the gussets to the retainer by using pop rivets or metal fasteners. At least one retainer should be mechanically fastened to allow for access to the face.

Step 5 - Pre-Punched Raceways

If you ordered a sign kit that is to be illuminated, ESP includes pre-punched raceways. D-shaped holes have been punched on 12" centers unless specified differently. These holes have been placed in the center (Double Face Sign) or off set to the back (Single Face Sign) of the raceway for the lamp sockets. The raceways are designed to go across the frame section and to be fastened down.

Note: Excellart does not provide sockets, lamps, or ballast(s).



For EC-Flex Face Knockdown Kits

All ESP Frame System knockdown kits can be assembled by using mechanical fasteners, or with recommended adhesives, or by welding. Special tools are not required to assemble ESP knockdown kits. Proper structural techniques should be used during fabrication.

Step 1 - Frame, Retainer and Raceway Assembly. (See Page 28)

Step 2 - Frabric Size Requirements

On standard and hinged faced systems:

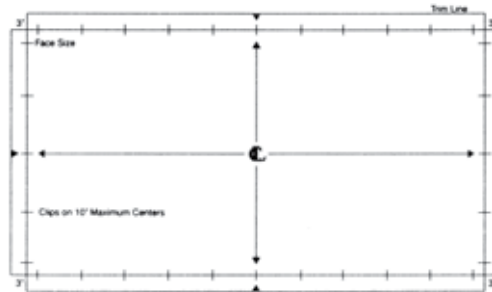
- Add 3"- 4" of face material to each dimension or 6"- 8" total to the length and width of the cabinet.
- Subtract 1/8" per 3' of face material not to exceed 1" from either dimension for tension factor.

On retro fit frame system:

- Add 2-1/2" - 3-1/2" of face material to each dimension or 5"- 7" total to the length and width of the cabinet.
- Subtract 1/8" per 3' of face material not to exceed 1" from either dimension for tension factor.

Step 3 - Clip Placement

First notch a 3"- 4" square from each corner of trimmed flex face material. With the face material facing up, fold approximately 2-1/2" of material over the aluminum bar. Slide and center clip over face material and bar, bolt side up. Clip spacing should be 6"- 8" but should not exceed 10" on center around the perimeter of the tensioning system. At the start of each corner, place a clip 3"- 4" from the end for best result.

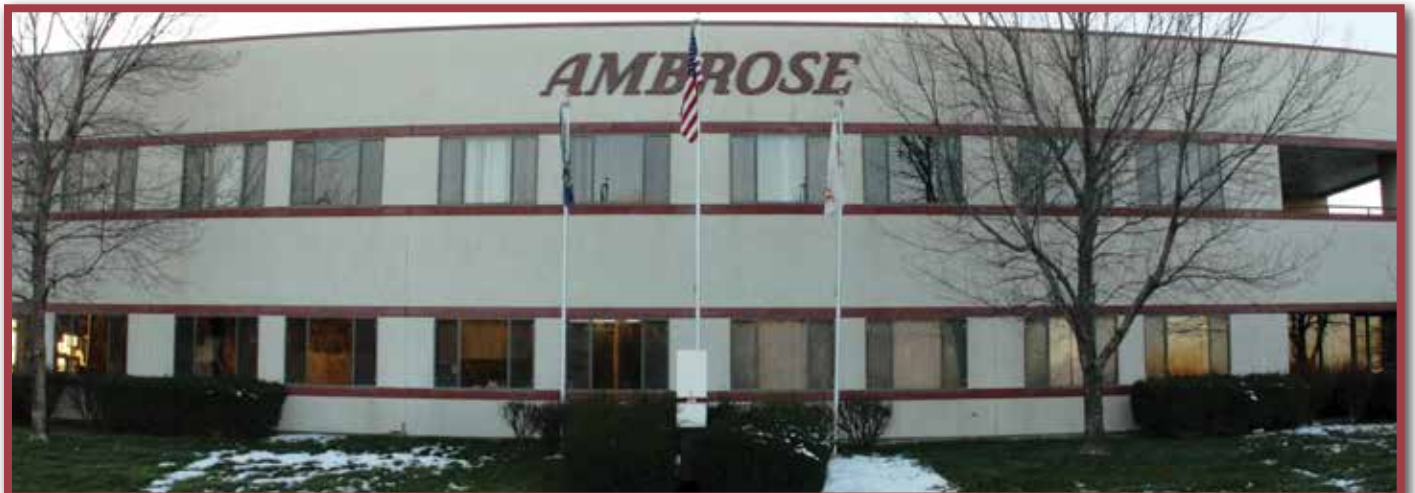
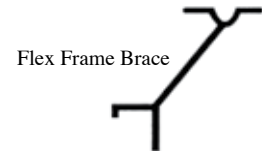


Step 4 - Clip Placement

Vertical bracing should be used once the face size is larger than 4' tall and 8' long. The Flex Frame or Retro-Fit brace should be used at a maximum of 3' on center. Horizontal bracing may be required on 4' centers for larger hinged faces.

Vertical and horizontal struts should be welded or double bolted to the frame braces. (Struts not included.)

Size and wall thickness of the struts should be determined based on cabinet size and structural needs.



“EASY-TO-USE” KNOCKDOWN KIT PRICING

For the first time, you can quickly and easily determine the price for any size Excellart knockdown kit. This unique pricing format provides an accurate price per lineal foot for all Excellart frame and retainer combinations. Gone are the days of searching through tables of standard kit sizes and having to estimate a price for kits which fall between the published sizes. Now, you simply take the price per lineal foot from the catalog and multiple by the outside dimensions of the sign cabinet. It's as easy as 1-2-3!

Step 1: Choose a frame and retainer system to determine the price per lineal foot.

Step 2: Add the outside dimensions of the cabinet to be quoted.

Step 3: Multiply the price per lineal foot times the total lineal footage to arrive at the total knockdown kit price.

All Excellart knockdown kits include: Frame, Removable Retainers, Corner Angles, Gussets, **White Aluminum Pre-Punched Raceways**, Cutting and Packaging Charges. ** Shipping not included**

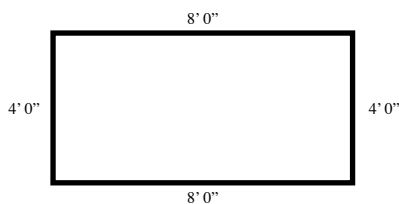
EXAMPLE:

4' X 8' EC-S/F Standard Frame w/LF Retainers, Mill Finish (P. 8)

Step 1: Price per lineal foot is \$12.47.

Step 2: $4' + 8' + 4' + 8' = 24$ lineal feet.

Step 3: $\$12.47 \times 24 = \299.28 /total kit price.



NOTE: Over-cuts for lamping are provided at no additional charge.



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