

Since 1907

ACME METAL MOLDING COMPANY

ALUMINUM STOREFRONTS



ACME METAL MOLDING COMPANY

As a subsidiary of Northrop Corporation, one of the largest aerospace corporations in the United States, Acme Metal Molding Company now embarks upon a new and more spacious era in its 54 year history. Acme has attained its position as one of the nation's major manufacturers of architectural aluminum through steadfast pursuit of the two basic fundamentals: constant product improvement and exceptional service.

This summarized catalog describes Acme storefront: you will find Acme's aluminum entrances also in A.E.C., 13c/AC. On the facing page we have illustrated some of those features which distinguish Acme entrances and storefront aluminum. We think professional consideration will recognize our points. With the many new developments in Acme's production, including our large new catalog, it is important for you to keep in touch. Please mail the reply card to check your firm's name on Acme's mailing list.

Subsidiary of Northrop Corporation



Norair Division



FREEDOM OF DESIGN—AN ARCHITECTURAL MUST

The architect is free to create as he needs; his designs are given accurate reality in Acme architectural aluminum. Acme narrow-line flush glazed framing provides a full range of visual weight in 3", 4" or 5" narrow-line tubing, more sizes in split tubes. Square stops or beveled stops, narrow stile or wide stile doors, extra tall doors, extra large doors...your ideas come to life with Acme aluminum.

OUR EXTRAS IN QUALITY CHALLENGE COMPARISON

Acme tubing is designed to be nearly twice as thick at points of fastening. Our aero-construction door corners are still solid when deep-weld corners are torn apart. Painstaking, inspected buffing insures a custom matte finish, aluminited for durability. Ingenious snap-on designs speed work, present cleaner lines and greater flexibility. Acme proves extra quality, point by point.

FREEDOM OF CHOICE AMONG THE FINEST

In door controls you want the best for your client...best in quality, best in cost. Acme offers you your choice from the leading manufacturers. We believe automatic entrances should be handled by specialists in this field, and recommend outstanding manufacturers with proven products. An extra-large choice of hardware and locks is available from Acme, and always superlative.

3 complete flush-glazing systems



fin tubes



and many others



square stops or beveled stops



centerhung or offset



extra-large doors



extra-tall doors



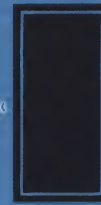
narrow stile



wide stile



standard doors



extra thickness at key points



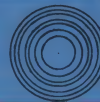
tested and proven strength



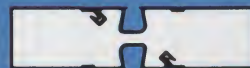
up to twice the strength of welded doors



buffed and aluminited finish

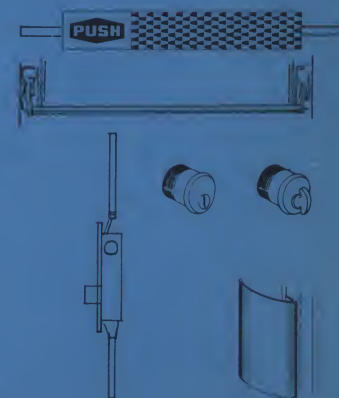


snap together tubes and sash



door controls include floor, overhead and concealed overhead controls—the best we can offer. Automatic entrances are supplied by leading specialists.

Imperial hardware, Stellar split plates, Jackson 3-Point lock and a wide selection of other hardware



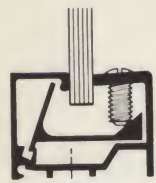
Clean design, greater strength and ease of installation characterize Acme's entire line of sash, sills and division bars. Free standing key-set sash is fully extruded, with positive waterproofing under the gutter section. Deeper glass grip and stainless steel set screws are added features. Snap-on sash has stainless steel clips for durability and strength.

SASH

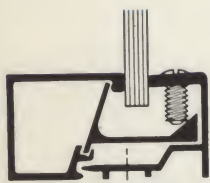
HALF SIZE



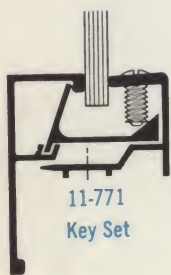
11-900*



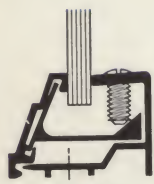
11-740*
Key Set



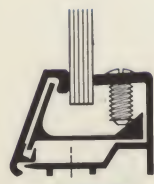
11-800*
Key Set



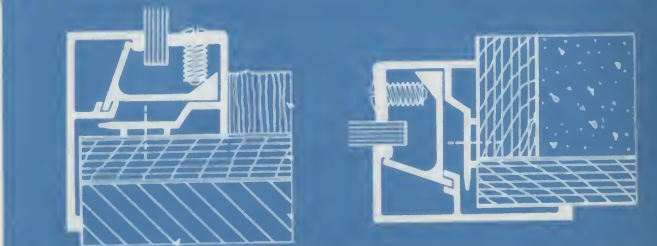
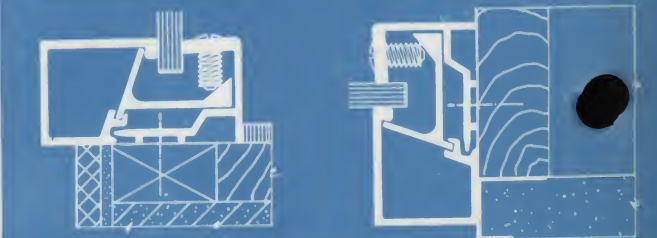
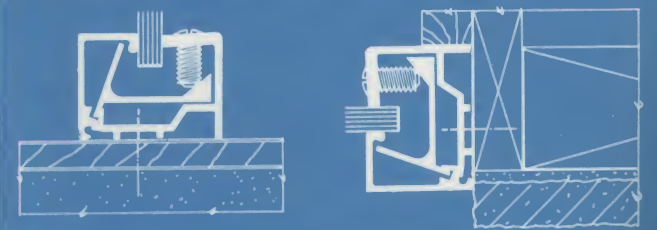
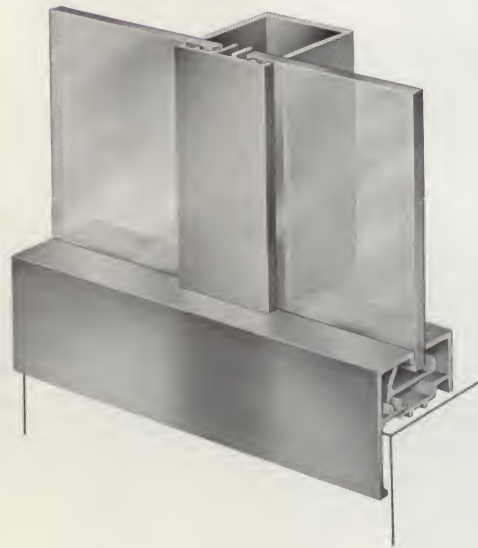
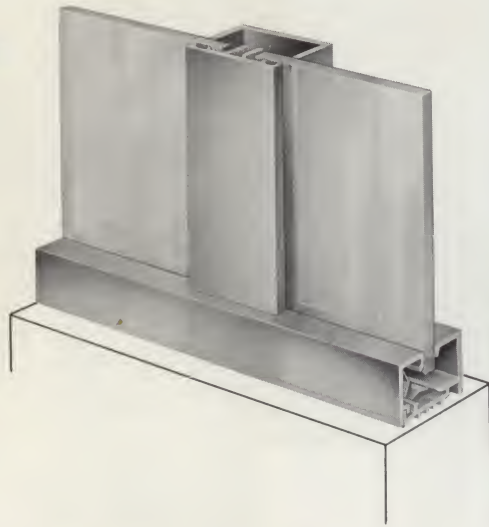
11-771
Key Set



11-624*
Key Set



11-820*
Key Set

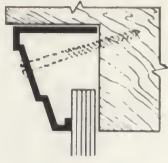


*CAPS AVAILABLE

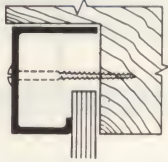
Variety of design allows bold or narrow visual effects, square, beveled or fluted planes, deep reveals or recessed glazing. The illustrations and diagrams on these pages show some of the effects possible, and the more common methods of installation. Notice always the beautiful simplicity of line and plane.



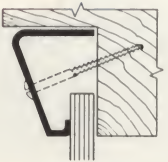
HALF SIZE



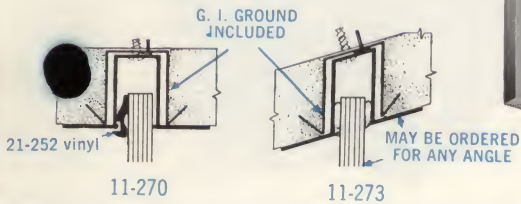
11-610



11-730



11-810



11-270

11-273



12-460

WOOD GROUND



11-790

G. I. GROUND INCLUDED

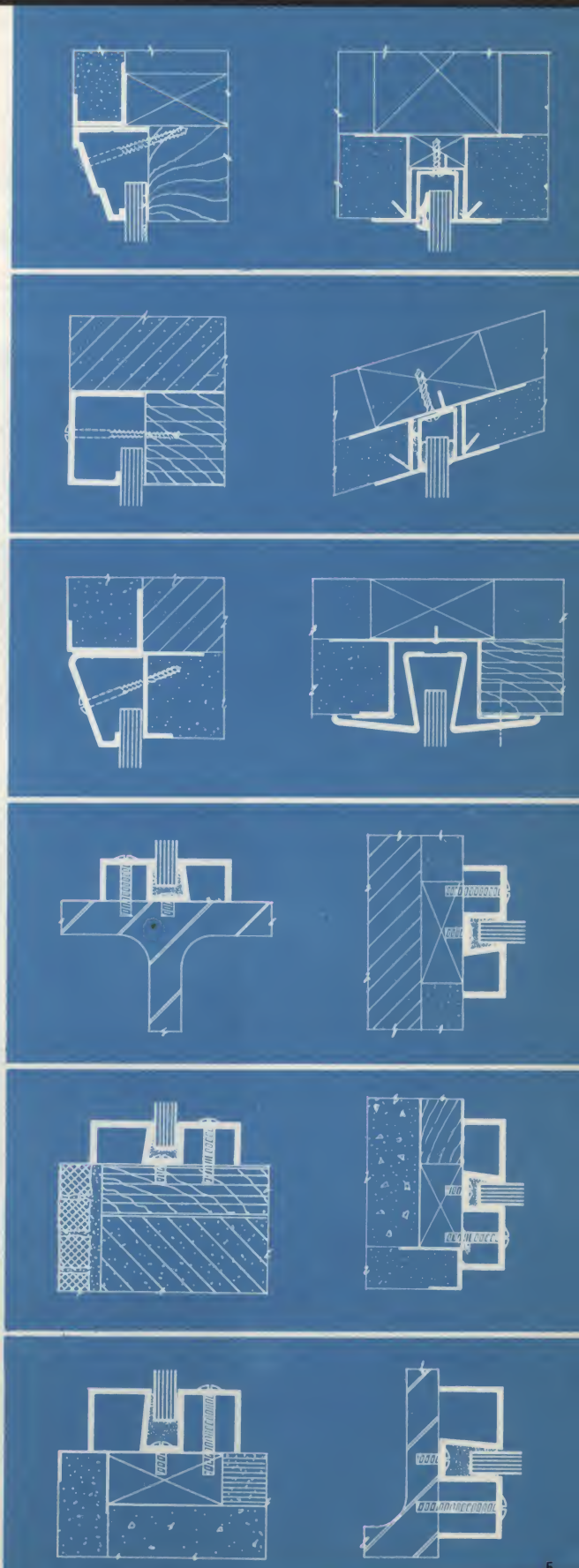
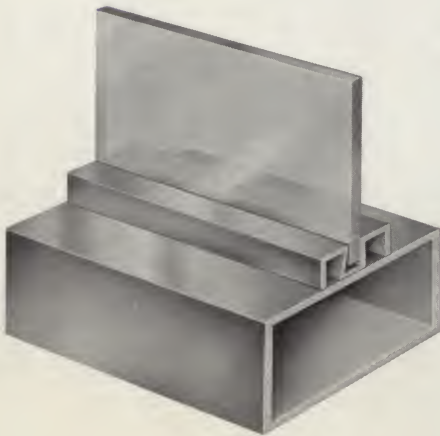
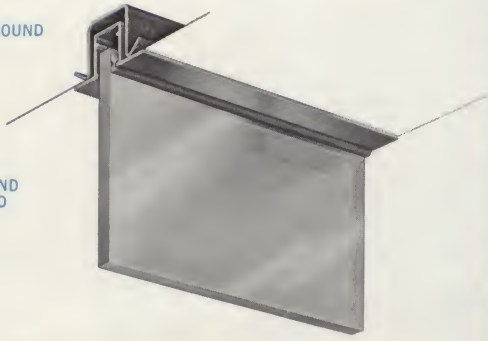
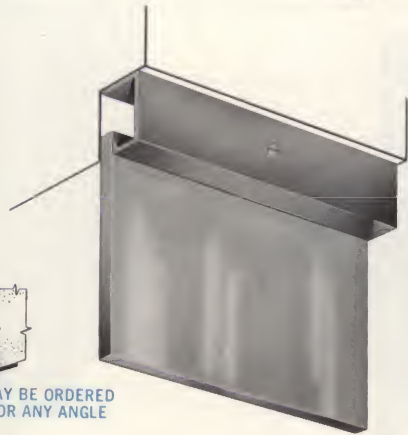
20-023 20-035



20-042 20-040



20-039 20-037



Acme division and corner bars show cleanly styled face members and channel backs, designed to match and blend with our many 1 3/4" framing members. Vinyl cushion weather stripping is standard. Both light and heavy channel backs offer bold or narrow verticals and horizontals.

DIVISION AND CORNER BARS



13-515*

QUARTER SIZE

Angle Anchor

1 3/4" tube reinforcing

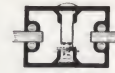
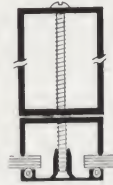


13-525

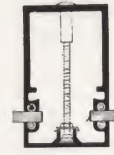
*When additional reinforcing is required, various 1 3/4" tubes may be used with the BL series.



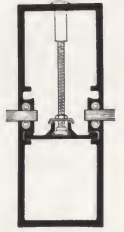
13-715



13-633



13-634



13-644



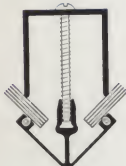
13-516*



13-526



13-517*



13-527



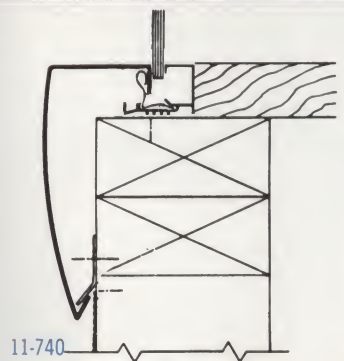
13-518*



13-528

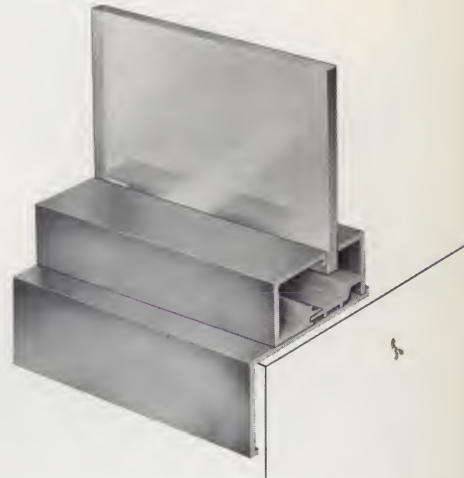
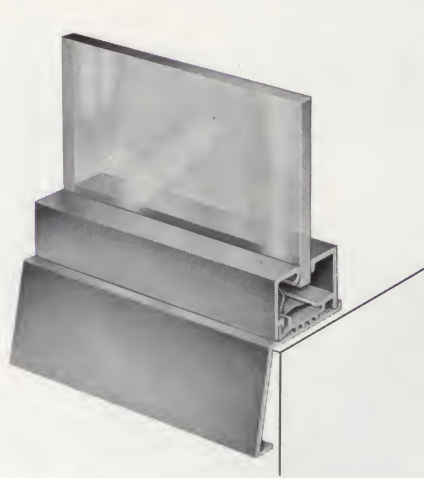
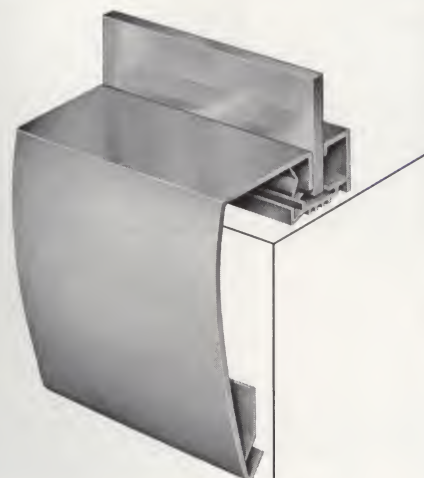
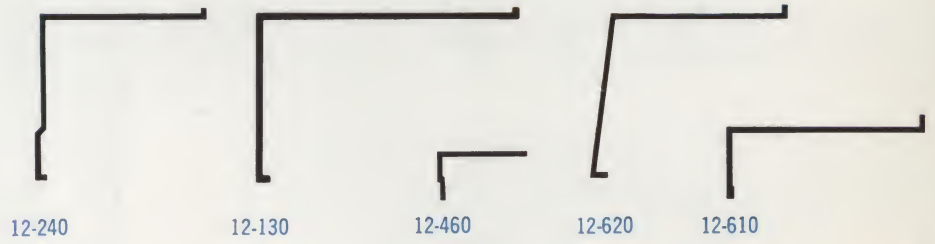


The massive effects possible with sills and bulkhead sash are shown below. All Acme items show the simple, smart designing and the pride in fine craftsmanship which have created Acme's reputation for outstanding quality. For both designer and glass dealer Acme storefront provides architectural aluminum which is a pleasure to work with.



SILLS

QUARTER SIZE



WIND LOAD CHART

REQUIRED MULLION SIZES
15 LB./SQ. FT. WIND LOAD*

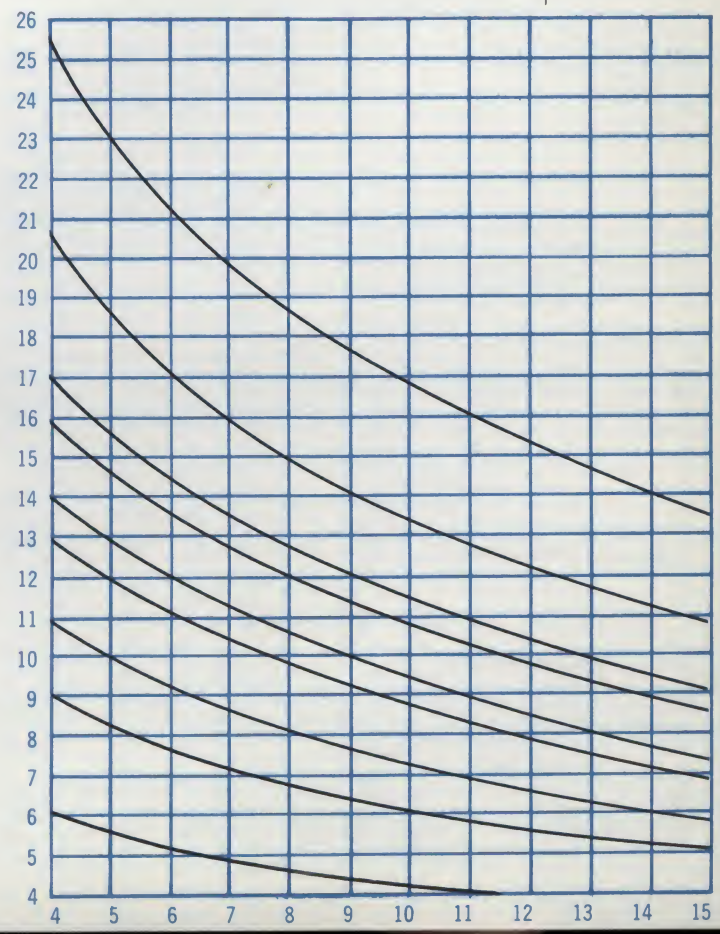
*For 20 lb./sq. ft. wind load apply factor of .865 to allowable height of mullions for 15 lb./sq. ft. wind load.

*For 30 lb./sq. ft. wind load apply factor of .705 to allowable height of mullions for 15 lb./sq. ft. wind load.

Mullions designed for maximum allowable bending moment (flexure).

Allowable stresses include safety factors of 2.2 for flexure and 1.5 for bearing based on ultimate strength of alloy (Alcoa structural handbook 1955).

20-080	20-110	20-111	20-112	20-120
20-016	20-045	20-047	20-261	20-299
20-048	20-260	20-262	20-304	20-251
20-251	20-303	13-644	20-104	20-250
20-252	20-263	20-264	20-302	20-018
13-634	20-240	20-241	20-242	20-242
20-253	20-254	20-310	20-017	20-086
20-212	20-043			



Acme snap-together framing tubes present clean lines, great convenience and economy. These sections, introduced by Acme, assemble in two or three minutes as against 45 to 60 minutes of labor using former methods. The 20-254 and 20-264 form either a 90° corner or a 180° straight line mullion merely by reversing one of the two sections.

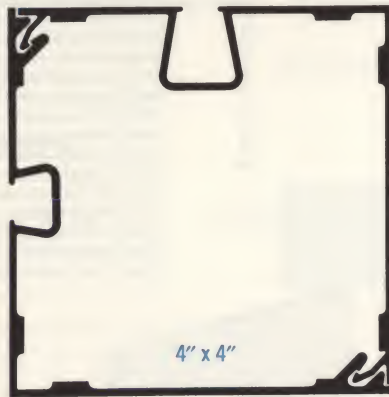
SNAP-TOGETHER FRAMING TUBES

HALF SIZE



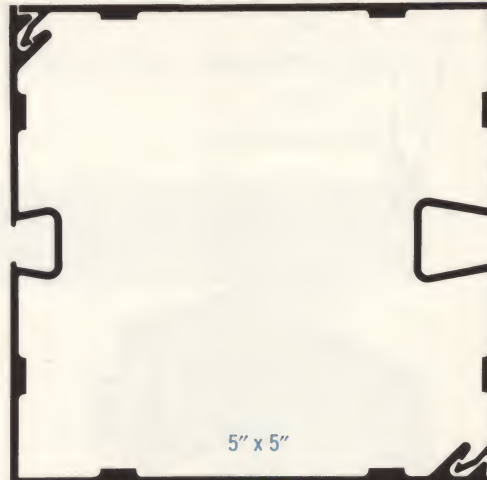
4" x 4"

20-310



4" x 4"

20-254

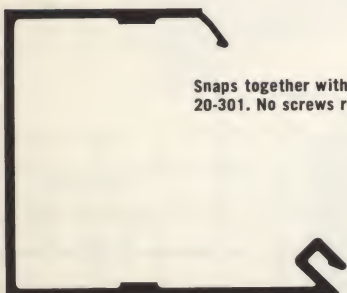


5" x 5"

20-264

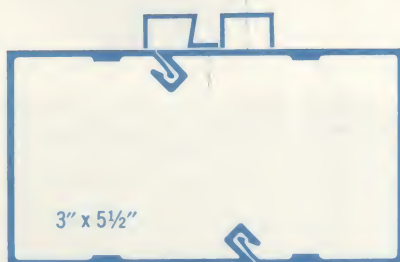
Vinyl glazing, $\frac{3}{16}$ " wall thickness at clip-angle screw points, no exposed stops or screws are features of these framing tubes.

HALF SIZE



Snaps together with itself and 20-301. No screws required.

20-300



3" x 5 1/2"

20-302



3" x 5 1/2"

20-303



Snaps together with itself and 20-300. No screws required.

20-301



3" x 5 1/2"

20-304



3" x 5 1/2"

20-303



20-296

Snaps together with itself. No screws required.



2" x 7 1/2"

20-299

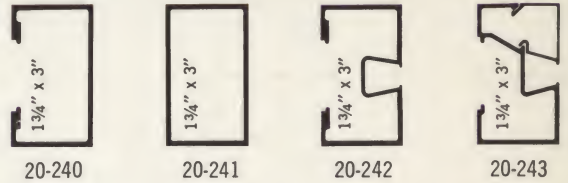
Three complete flush glazing systems offer great design freedom, with their clear-cut designs presenting a flush-glazed-four-sides appearance of smart distinction. Fin tubes in the popular 4" series, plus a wide range of split tubes in dimensions up to 4" x 9½" allow choice of design possibilities. Interior partitions and multi-story window wall can be easily handled with Acme tubing.



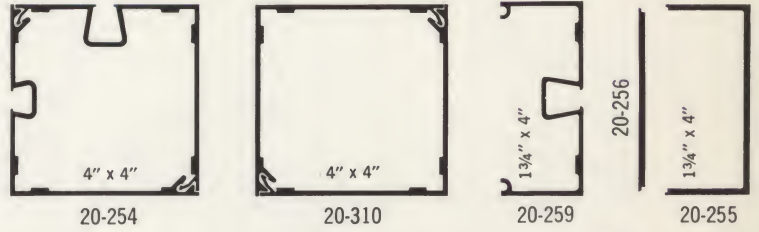
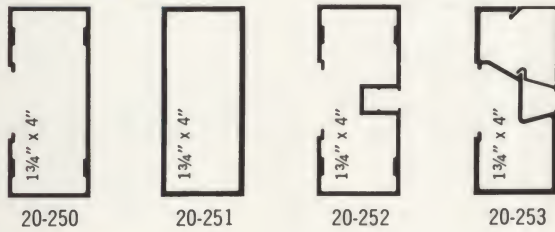
THREE FLUSH GLAZING SYSTEMS

20-240 SERIES

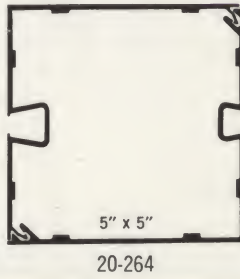
QUARTER SIZE



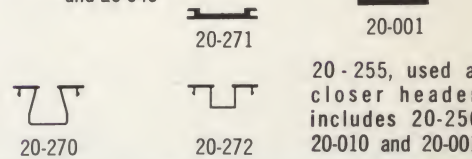
20-250 SERIES



20-260 SERIES

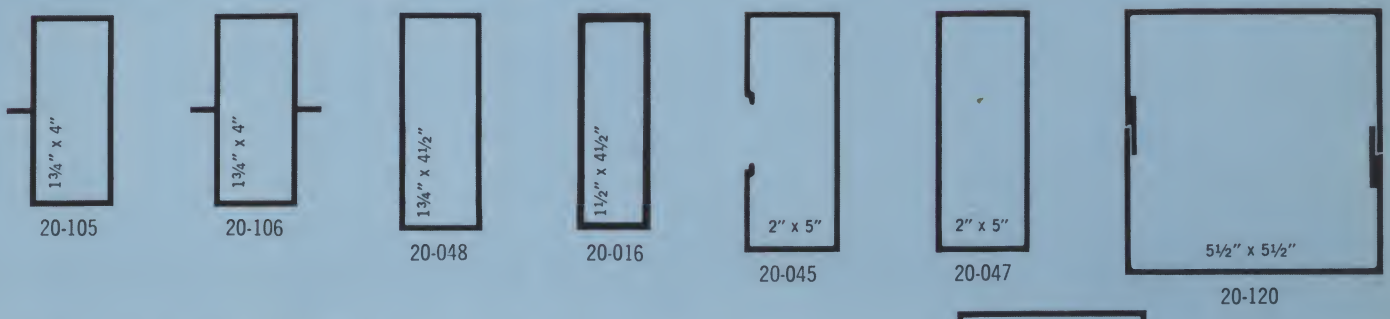


Sections below assemble with
 20-240 20-242 20-243
 20-250 20-252 20-253
 20-260 20-262 20-263
 and 20-045

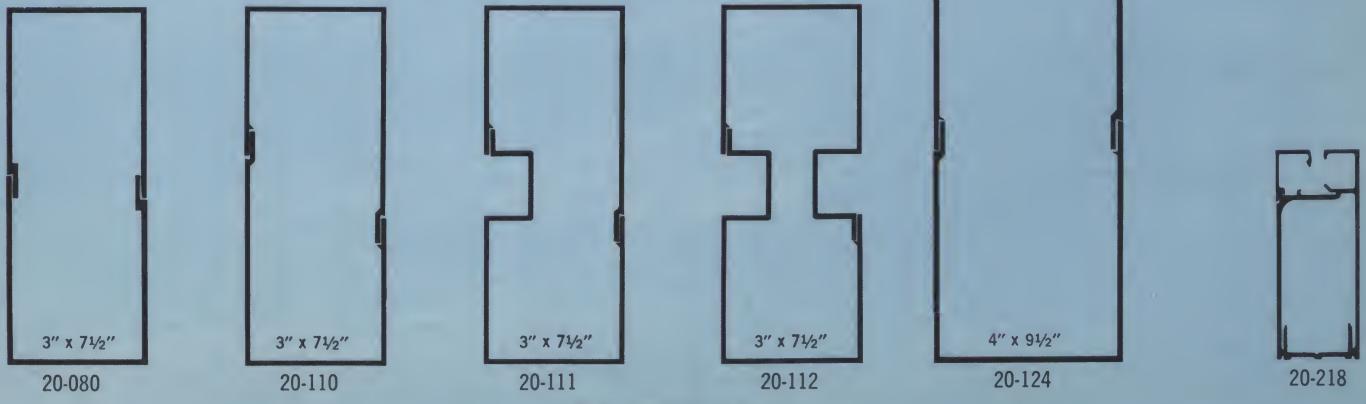


20-255, used as closer header, includes 20-256, 20-010 and 20-001.

EXTRUDED TUBES AND FRAME MEMBERS

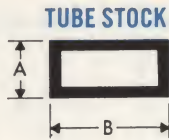


NOTE: A striking gold alumilite finish is available on all Acme architectural metal.



Note: Use sash 11-790

Acme's high quality of stock lengths can always be depended on. With precisely engineered extrusions to begin with, Acme adds the painstaking care in finishing and handling which defines all Acme products. Our more than 50 years of experience in materials handling and organization have created an enviable reputation for accurate, on-time deliveries.



SECTION NUMBER	DIMENSIONS — INCHES		STOCK LENGTHS
	A x B	†	
20-109	1 x 1	1/8	21 ft. 1 in.
20-043	1 1/2 x 1 1/2	1/8	21 ft. 1 in.
20-017	1 1/2 x 2 1/2	1/8	21 ft. & 24 ft.
20-016	1 1/2 x 4 1/2	3/16	21 ft. & 24 ft.
20-104	1 3/4 x 3 1/2	1/8	21 ft. 1 in.
20-241	1 3/4 x 3	1/8	21 ft. & 24 ft.
20-251	1 3/4 x 4	1/8	21 ft. & 24 ft.
20-048	1 3/4 x 4 1/2	1/8	21 ft. 1 in.
20-261	1 3/4 x 5	1/8	21 ft.
20-086	2 x 2	1/8	21 ft. 1 in.
20-018	2 x 2	3/16	21 ft. & 24 ft.
20-047	2 x 5	1/8	21 ft. & 24 ft.



SECTION NUMBER	DIMENSIONS — INCHES		STOCK LENGTHS
	A x B	†	
25-021	1/2 x 1/2	1/16	16 ft.
25-020	3/4 x 3/4	1/16	16 ft.
25-034	1 x 3/4	1/8	16 ft.
25-028	1 x 1	1/16	16 ft.
25-015	1 x 1	1/8	16 ft.
25-089	1 1/4 x 5/8	3/16	16 ft.
25-029	1 1/4 x 1 1/4	1/8	16 ft.
25-030	1 1/2 x 1 1/2	1/8	16 ft.
25-082	1 1/2 x 1 1/2	3/16	16 ft.
25-033	2 x 1	1/8	16 ft.
25-031	2 x 2	1/8	16 ft.
25-032	3 1/2 x 1 1/4	1/8	16 ft.



SECTION NUMBER	A x B	STOCK LENGTHS
25-810	1/8 x 1	16 ft.
25-815	1/8 x 1 1/2	16 ft.
25-820	1/8 x 2	16 ft.
25-407	1/4 x 3/4	16 ft.
25-412	1/4 x 1 1/4	16 ft.
25-415	1/4 x 1 1/2	16 ft.
25-420	1/4 x 2	16 ft.
25-425	1/4 x 2 1/2	16 ft.
25-430	1/4 x 3	16 ft.
25-515	3/8 x 1 1/2	16 ft.
25-520	3/8 x 2	16 ft.
25-530	3/8 x 3	16 ft.
25-605	1/2 x 1 1/2	16 ft.
25-612	1/2 x 1 1/4	16 ft.
25-615	1/2 x 1 1/2	16 ft.
25-620	1/2 x 2	16 ft.
25-304	3/4 x 3/4	16 ft.

Refer to windload chart for recommended heights.

SPECIAL TUBES

SECTION NUMBER	DIMENSIONS — INCHES		STOCK LENGTHS
	A x B	†	
20-120	5 1/2 x 5 1/2	1/8	21 ft. & 24 ft.
20-212	1 3/4 x 2 3/16	1/8	21 ft. & 24 ft.
20-240	1 3/4 x 3	1/8	21 ft. & 24 ft.
20-250	1 3/4 x 4	1/8	21 ft. & 24 ft.
20-260	1 3/4 x 5	1/8	21 ft. & 24 ft.
20-242	1 3/4 x 3	1/8	21 ft. & 24 ft.
20-252	1 3/4 x 4	1/8	21 ft. & 24 ft.
20-262	1 3/4 x 5	1/8	21 ft. & 24 ft.
20-243	1 3/4 x 3	1/8	21 ft. & 24 ft.
20-253	1 3/4 x 4	1/8	21 ft. & 24 ft.
20-263	1 3/4 x 5	1/8	21 ft. & 24 ft.

SECTION NUMBER	DIMENSIONS — INCHES		STOCK LENGTHS
	A x B	†	
20-105	1 3/4 x 4	1/8	21 ft. & 24 ft.
20-106	1 3/4 x 4	1/8	21 ft. & 24 ft.
20-045	2 x 5	1/8	21 ft. & 24 ft.
20-080	3 x 7 1/2	1/8	21 ft. & 24 ft.
20-110	3 x 7 1/2	1/8	21 ft. & 24 ft.
20-124	4 x 9 1/2	1/8	21 ft. & 24 ft.
20-111	3 x 7 1/2	1/8	21 ft. & 24 ft.
20-112	3 x 7 1/2	1/8	21 ft. & 24 ft.
20-259	1 3/4 x 4	1/8	21 ft. & 24 ft.

SPECIAL NEW SNAP TOGETHER SECTIONS

SECTION NUMBER	DIMENSIONS — INCHES		STOCK LENGTHS
	A x B	†	
20-254	4 x 4	1/8	21 ft. & 24 ft.
20-264	5 x 5	1/8	21 ft. & 24 ft.
20-258	4 x 4	1/8	21 ft. & 24 ft.
20-299	2 x 7 1/2	1/8	21 ft. & 24 ft.

SECTION NUMBER	DIMENSIONS — INCHES		STOCK LENGTHS
	A x B	†	
20-302	3 x 5 1/2	1/8	21 ft. & 24 ft.
20-303	3 x 5 1/2	1/8	21 ft. & 24 ft.
20-304	3 x 5 1/2	1/8	21 ft. & 24 ft.

Acme specialty items receive the same care and attention given to the larger requirements of storefront and entrance construction. Precision fabrication by specialists with many years of experience is standard with all orders.



SLIDING PASS THROUGH WINDOWS

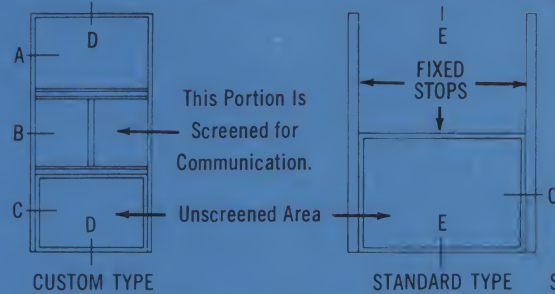
Precision built for hard usage. Easily cleaned, never require refinishing. Snug fitting screen for easy communication. Approved and endorsed by city health departments.



QUARTER SIZE

VERTICAL AND HORIZONTAL SLIDING PASS WINDOWS

Dimensions Given Are Outside to Outside of Units



- Standard
- 12" x 36"
- 18" x 36"
- 24" x 42"
- 32" x 42"
- 36" x 48"
- Custom
- 12" x 36"
- 18" x 36"

SPECIAL SIZES AVAILABLE

Both Pass Window types are complete package units ready for "At the Job" installation. No glass is included. All operating hardware, including sash balances, guides, angle frames, glass stops, muntins, slide bolts and locking devices are included.

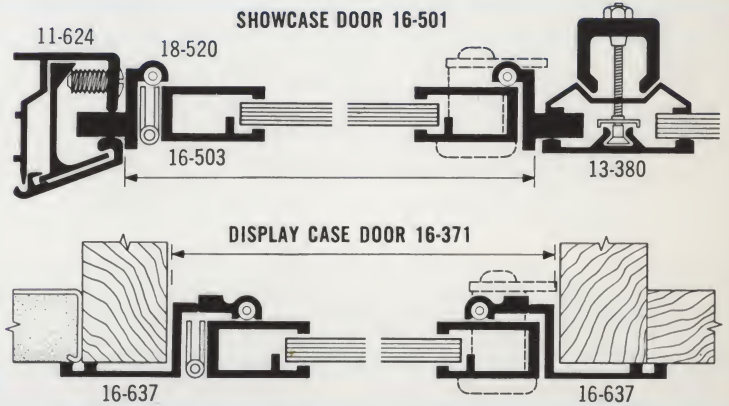


SHOWCASE ASSEMBLIES

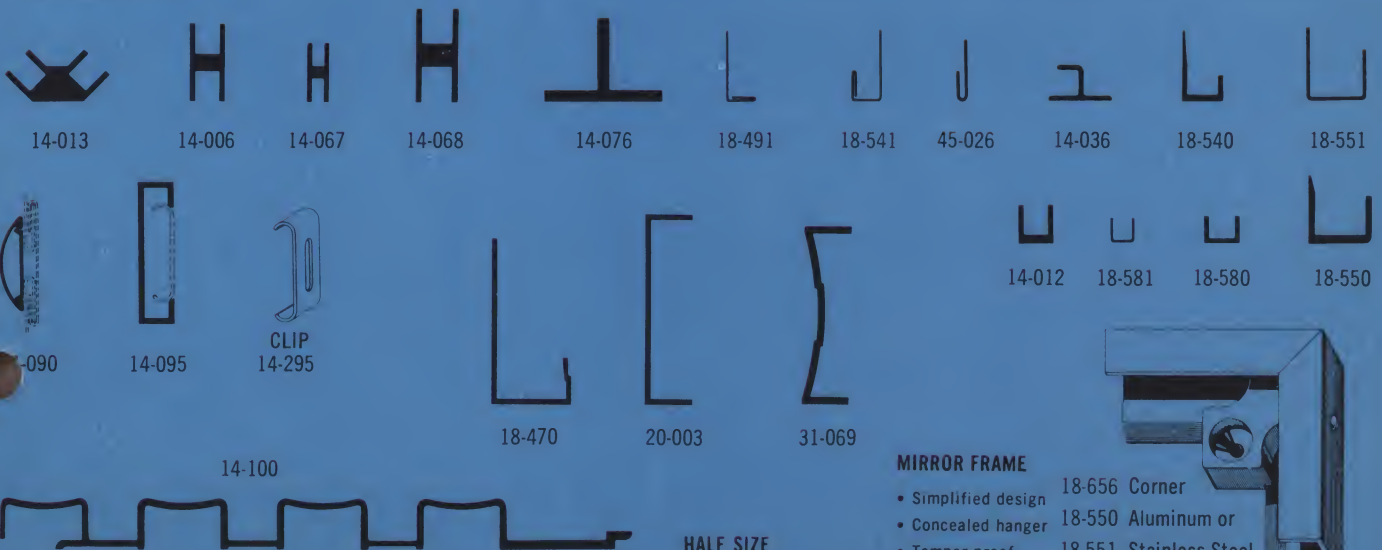
With their carefully assembled corners and close tolerance details throughout, Acme Showcase assemblies reflect the pride-in-work of our skilled specialty craftsmen. They also are among the most economical available, due to wide acceptance and heavy demand. Vinyl weather-stripping is featured.



HALF SIZE



SPECIALTIES



MIRROR FRAME

- Simplified design 18-656 Corner
- Concealed hanger 18-550 Aluminum or
- Tamper proof 18-551 Stainless Steel

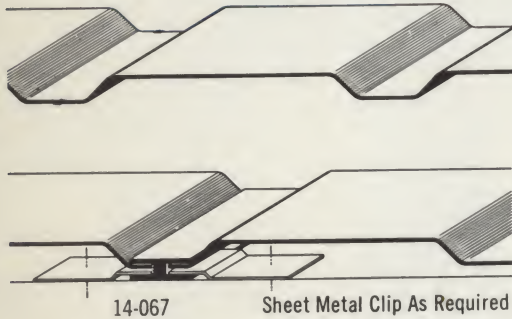


Acme's standards of production for brake metal shapes can best be illustrated by the fact that many of the leading ornamental metal firms depend on Acme to handle their most exacting metal forming requirements. You can be certain that Acme brake metal will create a perfect blend with the fine matte finish of our extruded shapes. The following sections are but a few of the large variety that can be made to your detail.



BRAKE METAL SHAPES

ACME FORM PATTERN #20



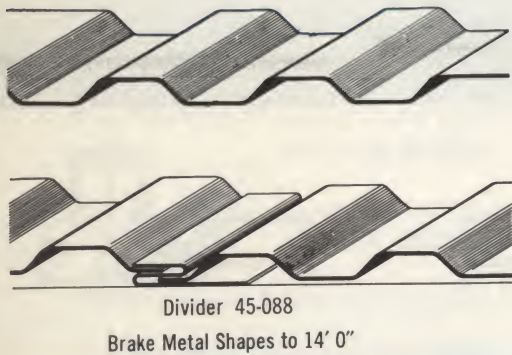
STOCK SIZES

- MAX. SIZE 44 1/4" x 144"
- 44 1/4" x 96"
- 44 1/4" x 108"
- 44 1/4" x 120"
- 44 1/4" x 132"
- 44 1/4" x 144"



14-067 H-Bar

ACME FORM PATTERN #40

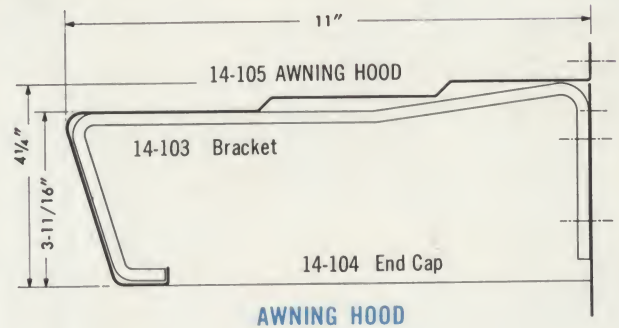


STOCK SIZES

- MAX. SIZE 42 5/8" x 144"
- 42 5/8" x 96"
- 42 5/8" x 108"
- 42 5/8" x 120"
- 42 5/8" x 132"
- 42 5/8" x 144"



Divider 45-088



AWNING HOOD



45-026



#10 RIB PATTERN

FORM PATTERNS

These stock patterns are formed from #32 Alloy aluminum sheet, Alcoa's finest. With their patterns of parallel lines they offer a design change of pace to relieve the monotony of large areas. They are easily cleaned because of the beveled recess, are quickly installed, and provide a modern yet inexpensive means of remodeling commercial building fronts.

SPECIFICATIONS

Doors, framing sections and store front metal shall be as manufactured by the Acme Metal Molding Company. All extruded aluminum shall be of 6063T5 alloy. All sheet aluminum shall be of #32 alloy. Alumilite finish shall be matte type, in accordance with Aluminum Company of America specifications 204A1-R1, and blend with the hardware and sheet aluminum (when called for). Door stiles and rails shall be joined and reinforced by means of diecast structural corner assemblies. Special care shall be taken to insure that all mechanical joints between vertical and horizontal framing members of entrances are flush and present

a hairline appearance within commercial tolerance limitations. All store-front work shall be performed by experienced technicians in accordance with the manufacturer's recommendations and conform to the highest standards of the industry. Unless otherwise specified, all finish hardware shall be provided by the door manufacturer. The General Contractor shall protect all exposed portions of the metal work included in this section during construction and fully clean this metal before the building is occupied. Cleaning methods shall be as recommended by the manufacturer. No abrasive cleaning agents will be permitted.

ACME METAL MOLDING COMPANY 5022 Triggs Street, Los Angeles 22, California

Bay Area & Northwest: 645 National Avenue, Mountain View, California • YOrkshire 7-5735

Southwest: 179 Parkhouse Street, Dallas 7, Texas • RIVERSIDE 8-6747

Canada: 1421 East Pender Street, Vancouver 6, British Columbia • Hastings 9439

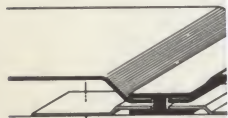
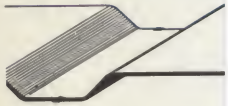
International Division: Alukon International, Ltd., Melchor Ocampo 463, Mexico 5, D.F., Mexico • Tel. 11-46-40

Acme's standards of production for brake metal shapes can best be illustrated by the fact that many of the leading ornamental metal firms depend on Acme to handle their most exacting metal forming requirements. You can be certain that Acme brake metal will create a perfect blend with the fine matte finish of our extruded shapes. The following sections are but a few of the large variety that can be made to your detail.



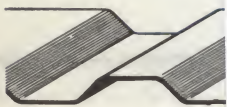
BRAKE METAL SHAPES

ACME FORM



14-067

ACME FOR



Divider
Brake Metal Sl

Digitized by



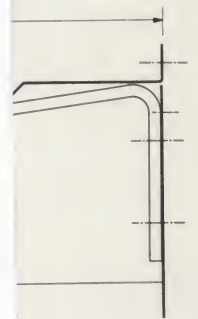
ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Mike Jackson, FAIA



PATTERN

oy aluminum sheet,
lines they offer a
ony of large areas.
recess, are quickly
means of remodel-

SPECIFICATIONS

Doors, framing sections by the Acme Metal Mo of 6063T5 alloy. All sl finish shall be matte t America specifications sheet aluminum (when and reinforced by mean care shall be taken to cal and horizontal fram

tations. All store- ans in accordance m to the highest d, all finish hard- General Contract- k included in this before the build- mmed by the etermined.

ACME METAL MOLDING COMPANY 5022 Triggs Street, Los Angeles 22, California

Bay Area & Northwest : 645 National Avenue, Mountain View, California • YOrkshire 7-5735

Southwest : 179 Parkhouse Street, Dallas 7, Texas • RIverside 8-6747

Canada : 1421 East Pender Street, Vancouver 6, British Columbia • Hastings 9439

International Division : Alukon International, Ltd., Melchor Ocampo 463, Mexico 5, D.F., Mexico • Tel. 11-46-40