

Visuline® 2300 Series

3.3.100

10/09

General Information

Visuline 2300 Series is a non-illuminated Directory and Display System designed for both interior and exterior applications.

Visuline incorporates a heavy extruded aluminum housing and door, with 1/4" clear tempered glass, behind which one may display Changeable Messages Strips, Maps and Floor Plans, Magnetic Bulletin Boards, Fabric Boards or any combination.

Features

- Weatherized for Exterior use
- Six (6) Aluminum Door Shapes
- Three (3) Solid Brass Door Shapes
- Concealed, Stainless Steel Hinge
- Clear Tempered Safety Glass (1/4")
- Gas Cylinder "Assists" for Large Doors

Finishes

- Black, Bronze or Natural Satin Anodized
- Solid Brass:
 - Polished or Satin
 - Architectural Bronze (to match Alloy 280)
 - Commercial Bronze (to match Alloy 220)
 - Statuary
 - Chrome Plated Brass
- Acrylic Polyurethane (Any Color)
- AccentTrack Door Profile with Trim Finish Provided by APCO or Customer

Directory Display

- Four Message Strip Styles:
 - SB - Aluminum SignBand
 - MS - Molded Plastic "IM" Strip
 - SBP - Accord 15 Express - Plastic SignBand
 - SB-IS - Aluminum SignBand with Paper Insert Slot
- Updatable with Prepaid Reorder System
- User Updatable (with Paper Inserts)

Other Display Options

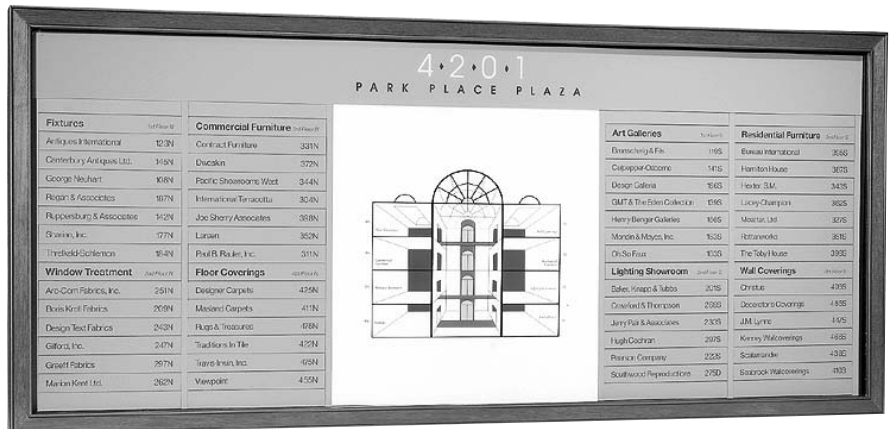
- Custom Maps/Plans
- Magnetic Display Board (Any Color)
- Plastic Impregnated Cork in Seven Colors
- Fabric Board (2 Standard Colors)

Three (3) Lock Options

- Standard, Concealed Dual Lock
- APCO Concealed Lock
- Conventional Keyed Lock

Services

- Direct Factory Support
- Engineering
- Custom Shop/Detail Drawings
- CSI (Construction Specification Institute) Specifications Available
- 5 Year Limited Warranty.



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Visuline displays are designed to operate in interior and exterior applications.

Three wall mount configurations are available.

Semi-Recessed displays expose the door frame, allowing it to protrude 1-1/2" from the wall surface. A decorative reveal is provided to offset the dimensional variance between the display's housing and the wall cavity.

Fully Recessed displays are mounted flush with the wall surface. As a standard, a 1" wide Continuous Angle Trim is secured to the reveal and is used to capture the unfinished edges of the cavity's rough opening. When the cavity has finished edges and returns, the Continuous Angle can be eliminated. If the edges are finished, but the returns are not (i.e. openings in granite wall panels), a 1/8" wide Flat Bar Trim is available. In all fully recessed applications, a 1" wide reveal is attached to the housing. Its location provides the necessary clearance for proper door operation.

Surface Mount displays are attached directly to the wall surface. Each surface mounted Visuline complies with ADA (Americans With Disabilities Act) standards, limiting all protruding objects to 4" maximum.

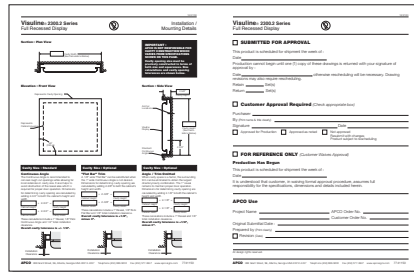
Pedestal Mount displays are freestanding structures supported by double, 8" aluminum posts. All pedestal doors are top hinged. Smaller, lighter weight doors are supported with folding prop-rods. Larger, heavier doors utilize gas cylinder "assists". Standard 30 degree mounting reduces unwanted glare from overhead lighting when viewed from the most readable angles. The 27" minimum clearance at the front edge of the housing complies with ADA guidelines.

Maximum size recommended for a Single Pedestal directory is 37"H. x 33-3/4"W. Larger units are Double Pedestal mounted.

Post Mount displays are freestanding structures that can be single or double sided. Support is provided by double, 8" or 4" aluminum posts. Posts are typically buried in the ground. Optional surface mount installations are accomplished with plates attached to end of posts.

Shop Drawings

Technical Shop Drawings are available on our website or in printed form. Drawings include orthographic illustrations separated into each product series. Basic construction details, operating clearances and formulas for calculating mounting requirements are also provided. The "Specification" page allows selection from a wide variety of standard components. An "Installation / Mounting Details" page is used for coordinating mounting details with the contractor.



APCO's engineering services will adapt any Visuline product to your requirements. Free consultation is available nationwide to assist in calculating size and capacity.

Installation Instructions

Installation instructions are provided with every Visuline display.

Care and Maintenance Instructions

Servicing is made simple by APCO's use of easy to change graphics and inserts. A simple maintenance kit is supplied for insert removal. Providing care and maintenance instructions are followed carefully, the Visuline display will last for many years.



2300.1/2300.1GC
Semi-Recessed



2300.2/2300.2GC
Full Recessed/Float Glass



2300.3/2300.3GC
Surface Mounted



2300.4
Single Pedestal Mount



2300.4
Double Pedestal Mount



2300.5
Double Post Mount
• Single Sided
• Double Sided
• 4" Posts
• 8" Posts

Display Configurations

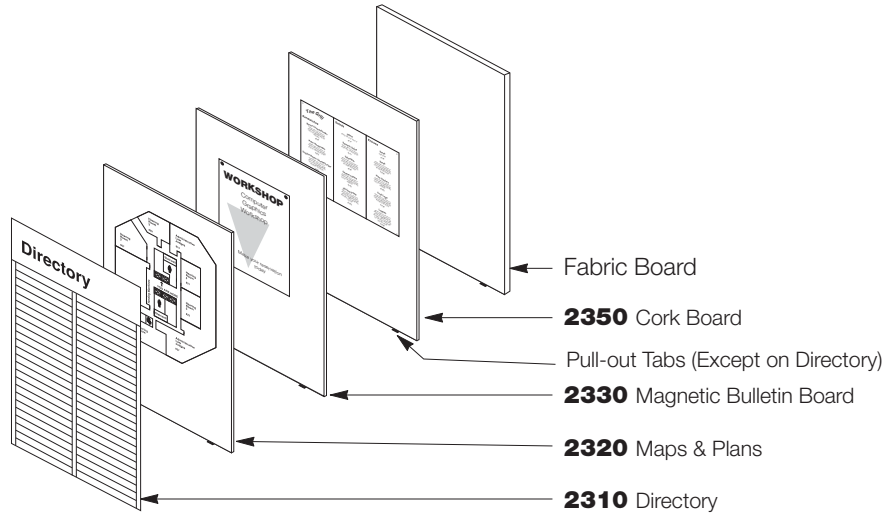
Changeable Displays

With the exception of Aluminum (SB) and Plastic (SBP and SBP-CL) SignBands, all graphic components are attached to a removable "back-up" board. This board fastens into the cabinet opening using PresLock fasteners. Pull-tabs are provided to simplify installation and maintenance.

As a standard, aluminum and Plastic SignBands are assembled as independent column tiles which lift out for servicing.

Interior vs. Exterior

The following chart lists display components for interior, and recommended components for exterior applications. Refer to each individual series for additional information.



Display Configuration

Interior Components

Exterior Components

2310 Series Directory

MS - Message Strip (molded plastic)
SBP - Accord 15 Express ColorBand
SBP-CL - Accord 15 Express ClearBand
(for paper messages)
SB-IS - Accord 15 Aluminum SignBand w/
Insert Slot (for paper messages)
SB - Accord 15 Aluminum SignBand

SB - Accord 15 Aluminum SignBand

2320 Maps or Plans

Acrylic Sheet

Dibond (Laminated Aluminum) Sheet

2330 Magnetic Bulletin Board

Laminated Steel Sheet

NOT RECOMMENDED (Steel may rust)

2350 Cork Board

Plastic Impregnated Cork

Plastic Impregnated Cork (Tacks may rust)

Fabric Board

Fabric Wrapped Construction Board

NOT RECOMMENDED

2310 Series - Directory

When used as a Directory, Visuline features columns of interchangeable message strips and a removable Header panel. Five types of Directory message strips are offered.

MS - Molded Plastic Message Strip

Molded sizes:

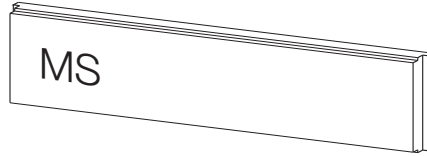
I-50 (1/2" x 9") and I-100 (1" x 9")

Reveal on top and bottom edges.

Nine standard, integral colors.

Snaps into place without fasteners.

Prepaid Reorder System.



Molded Plastic Message Strip

**MOST POPULAR
FACTORY PRINTED
STRIPS**

SBP - Accord 15° Express ColorBand

Molded sizes:

30 x 225mm (1-3/16" x 8-7/8")

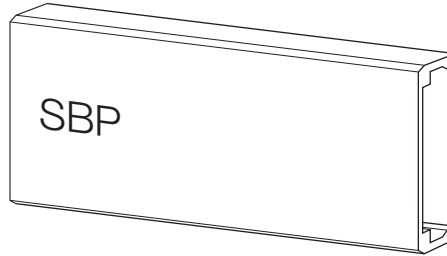
45 x 225mm (1-3/4" x 8-7/8")

Bevel detail on top and bottom edges.

Eight standard, integral colors.

Snaps onto multiclips.

Prepaid Reorder System.



Accord 15° Express ColorBand

SBP-CL - Accord 15° Express ClearBand

Molded sizes:

30 x 225mm (1-3/16" x 8-7/8")

45 x 225mm (1-3/4" x 8-7/8")

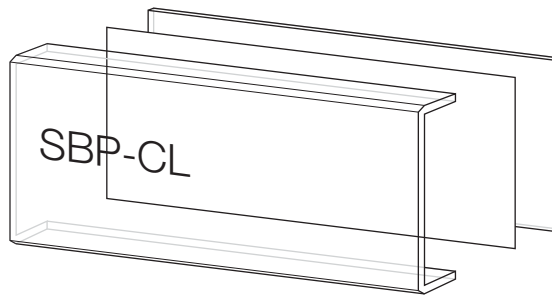
Bevel detail on top and bottom edges.

Clear molded plastic face & backer.

Changeable Inserts: Special sized and coated paper in eight standard colors laser printed by user. Custom colors available special order.

Snaps onto multiclips.

This product allows for user updating of directory inserts. Supplies and software shipped from stock.



Accord 15° Express ClearBand

**INSTANT IN-HOUSE
UPDATING AT
LOWEST POSSIBLE COST**

SB-IS - Accord 15° Aluminum SignBand w/ Insert Slot

Insert Slot

Two standard heights:

15mm (19/32") and 30mm (1-3/16")

45, 60, 90 and 120mm available special order only

Two standard lengths:

225mm (8-7/8") and 300mm (11-13/16")

Other lengths available special order

Bevel detail on top and bottom edges.

Any APCO standard color or anodized finish.

Snaps onto multiclips.

Complete columns are removable.

Prepaid Reorder System.

This product allows for user updating of directory inserts. Supplies and software shipped from stock.



Aluminum SignBand with Insert Slot

**INSTANT IN-HOUSE
UPDATING AT
LOWEST POSSIBLE COST**

SB - Accord 15° Aluminum SignBand

Two standard heights:

15mm (19/32") and 30mm (1-3/16") with

45, 60, 90 and 120mm available special order only

Two standard lengths:

225mm (8-7/8") and 300mm (11-13/16")

Other lengths available special order

Bevel detail on top and bottom edges.

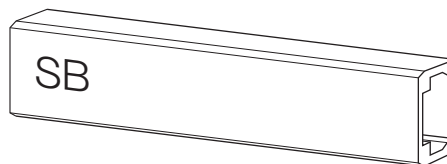
Any APCO standard color or anodized finish.

Snaps onto multiclips.

Complete columns are removable.

Prepaid Reorder System.

Use this product for exterior applications and when length of message exceeds those for Molded Plastic Message Strips.



Aluminum SignBand

**THE ONLY MESSAGE
STRIP FOR
EXTERIOR USE**

Directory - MS Message Strips

Molded Plastic Message Strip

The MS Strip is the original and most popular directory message strip option. Injection molded strips are a proven solution and offer many advantages over strip systems fabricated from plastic sheet material.

Precision molded plastic provides uniform thickness and size which insures perfect fit and alignment. Exact match of replacement strips, in both fit and color, is easy to achieve.

The strip is molded with reveals top and bottom and tabs at each end which allow message strips to flex and snap between molded plastic vertical dividers. Dividers are secured to rigid back-up material, forming standard column widths.

Message copy is silkscreen printed in a broad range of typestyles and colors.

MS Strips are molded in these integral colors:

- A02** Black
- A43** Putty
- A44** Architectural Brown
- A47** Light Grey
- A71** Harvard Green
- A72** Bone White
- A74** Indy Blue
- A78** Pearl Grey

MS Strips are molded in two sizes:

Part Code	Approximate Overall Size	Display H x W
I-50	9-1/16" H x 9" W	1/2" x 8-3/4"
I-100	1-1/8" H x 9" W	1" x 8-3/4"

NOTE: Although I-100 strips are essentially twice the size of I-50 strips, they do not modulate perfectly. Mixing the two heights within columns is not recommended.

Display Panel Installation

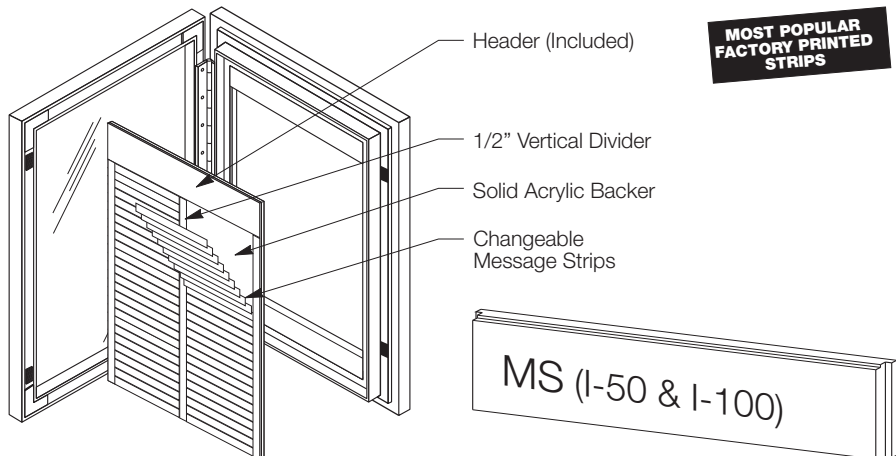
Message strip backer assemblies are retained with molded PresLock fasteners and are easily removed for installation and servicing, using a large Suction Cup Tool provided.

Interior Application Only

While MS strips are molded from an automotive grade plastic, they are not recommended for exterior applications, as they may not withstand the heat build up within the glass covered cabinets.

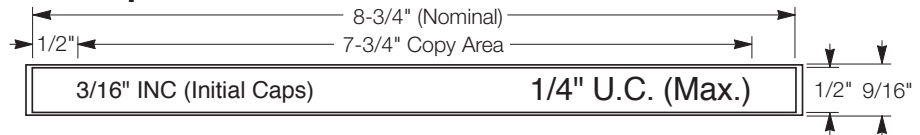
Prepaid Reorder System

Replacement MS strips are available through the Prepaid Reorder System. A laminated order form with complete specifications is provided along with serially numbered stickers, in quantities of 10, 25 or 50, which can later be redeemed by fax or email.

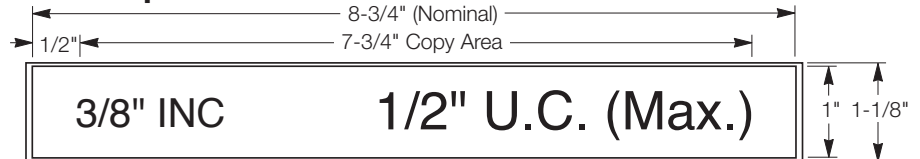


**MOST POPULAR
FACTORY PRINTED
STRIPS**

I-50 Graphic Area



I-100 Graphic Area



Header: 26" modules include a 4" acrylic header. Removing header will increase I-50 capacity by 7 strips per column, I-100 capacity increases 3 per column.

26" Cabinet

Column Capacity	Cabinet Size (H x W x D) ††	Message Strip Capacities		Cabinet Style	Door Hinge Location	Total Weight †
		I-50	I-100			
2	26" x 22" x 2-3/4"	64	32	Std. V-Line	Left	44 (lbs)
3	26" x 31-1/4" x 2-3/4"	96	48	Std. V-Line	Top	53 (lbs)
4	26" x 40-1/2" x 2-3/4" †††	128	64	Std. V-Line	Top	62 (lbs)
5	26-3/8" x 50-1/8" x 3-1/2"	160	80	GC	Top	74 (lbs)
6	26-3/8" x 59-3/8" x 3-1/2"	192	96	GC	Top	86 (lbs)
8	26-3/8" x 77-7/8" x 3-1/2"	256	128	GC	Top	126 (lbs)
10	26-3/8" x 96-3/8" x 3-1/2"	320	160	GC	Top	153 (lbs)

Header: 37" modules include a 6" acrylic header. Removing header will increase I-50 capacity by 10 strips per column, I-100 capacity increases 5 per column.

37" Cabinet

Column Capacity	Cabinet Size (H x W x D) ††	Message Strip Capacities		Cabinet Style	Door Hinge Location	Total Weight †
		I-50	I-100			
2	37" x 22" x 2-3/4"	96	48	Std. V-Line	Left	57 (lbs)
3	37" x 31-1/4" x 2-3/4"	144	72	Std. V-Line	Left	74 (lbs)
4	37" x 40-1/2" x 2-3/4"	192	96	Std. V-Line	Left	91 (lbs)
5	37-3/8" x 50-1/8" x 3-1/2"	240	120	GC	Top	112 (lbs)
6	37-3/8" x 59-3/8" x 3-1/2"	288	144	GC	Top	128 (lbs)
8	37-3/8" x 77-7/8" x 3-1/2"	384	192	GC	Top	161 (lbs)
10	37-3/8" x 96-3/8" x 3-1/2"	480	240	GC	Top	195 (lbs)

† Approximate weights are for full recessed Visulines with an aluminum door frame. For a solid brass door, determine outside perimeter and add 3.2 lbs. per foot to weights shown. Semi-Recessed and surface mount units will be less.

†† 3-1/2" deep, GC cabinets have top hinged doors which are supported with gas cylinder "assist".

††† For a brass door, add 7/16" to cabinet height & width and change cabinet style to 3-1/2" deep GC to accommodate gas cylinder "assist".

Accord 15 Express ColorBand

The Accord 15 Express ColorBand is a truly modular strip system, developed for a wide range of interior applications. Injection molded strips are a proven solution and offer many advantages over strip systems fabricated from plastic sheet material.

Precision molded plastic provides uniform thickness and size which insures perfect fit and alignment. Exact match of replacement strips, in both fit and color, is easy to achieve.

ColorBands incorporate a slight edge bevel that creates a visual shadow line reveal between strips. They snap onto molded MultiClips, which are assembled as individual column "tiles".

A ThinLine Accord profile (1/16" wide) acts as a column divider, enclosing the left side of each column "tile". The right side of the "tile" is open for strip replacement and rearrangement.

As a standard, "tiles" lift out for servicing. Custom configurations may require alternate attachment method. Consult factory for details.

Message copy is silkscreen printed in a broad range of typestyles and colors.

Accord 15 ColorBands are molded in these integral colors:

- A02** Black
- A43** Putty
- A44** Architectural Brown
- A72** Bone White
- A78** Pearl Grey

Accord 15 ColorBands are molded in two sizes:

Part Code	Overall Size	Display Size
SBP30	1-3/16" x 8-7/8"	1" x 8-7/8"
SBP45	1-25/32" x 8-7/8"	1-5/8" x 8-7/8"

ColorBands can be used in conjunction with aluminum SignBands and SignBand Expanders. Consult factory for details.

Accord 15 Express ClearBand

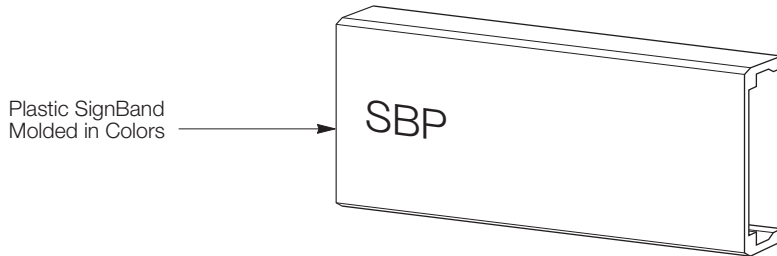
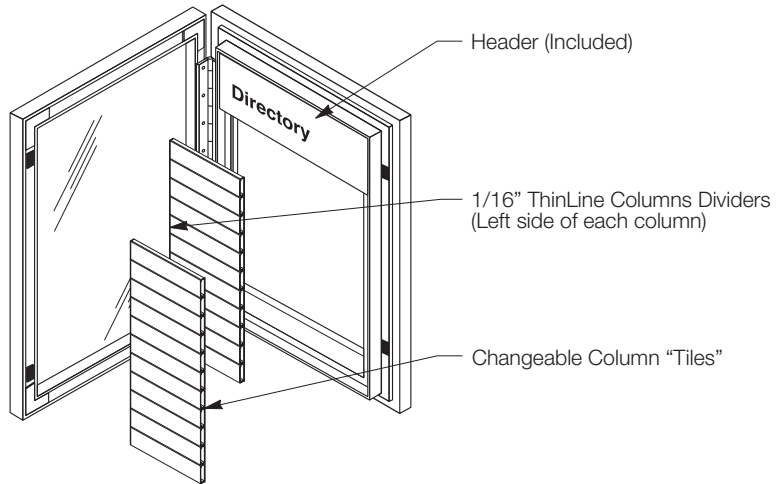
This clear version of ColorBand is designed to protect laser-printed images on perforated SignWord paper inserts. SignWord software is downloadable from www.apcosigns.com. Paper supplies are in stock for immediate shipment.

The Accord 15 Express ClearBand provides maximum flexibility with instant in-house updating at the lowest possible cost.

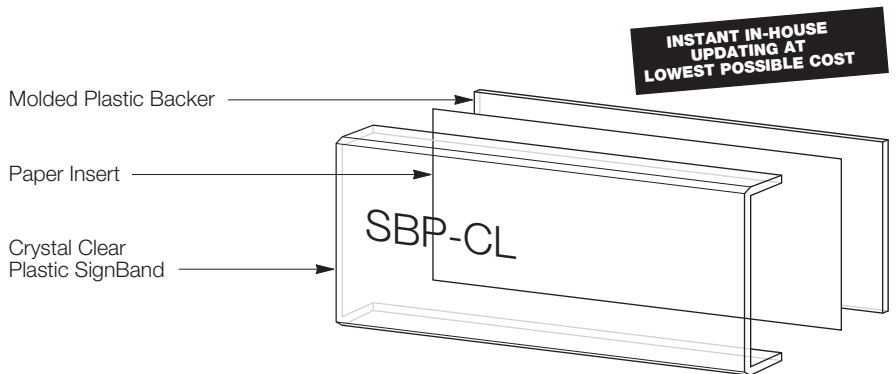
Accord 15 ClearBands are molded in two sizes:

Part Code	Overall Size	Display Size
SBP30-CL	1-3/16" x 8-7/8"	1" x 8-7/8"
SBP45-CL	1-25/32" x 8-7/8"	1-5/8" x 8-7/8"

ClearBands can be used in conjunction with aluminum SignBands and SignBand Expanders. Consult factory for details.



225mm ColorBand (SBP30.225)



225mm ClearBand (SBP30.225CL)



Directory - Accord 15 Express

Header

The header is an integral part of the directory's function and is provided for common directory identification. This custom fabricated assembly, along with a bottom retainer angle, allow column tiles to float freely, making them easy to install and service. NOTE: Removing the header constitutes a custom directory configuration. Cabinet heights will vary from those shown. Consult factory for details.

26-11/16" modules include a 90mm (V241H) header.
37-5/16" modules include a 120mm (V241H) header.

225mm

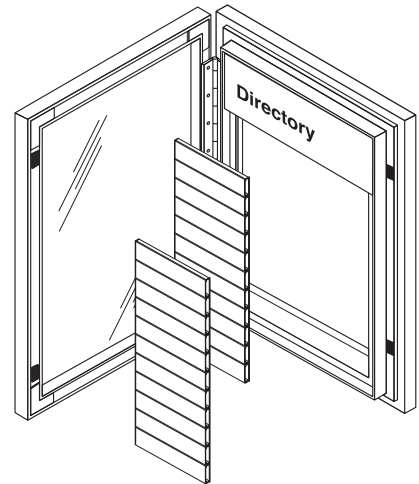
The two charts below illustrate cabinet size and message strip capacities for 225mm wide, **SBP Plastic SignBands** and **SBP-CL Plastic ClearBands with Clear Cover**.

26-11/16" Cabinet

Col. Cap	Cabinet size ††	Message Strip Capacities		Cabinet Style	Hinge Location	Total Weight †
		15 x 225	30 x 225			
2	26-11/16" x 20-7/8" x 2-3/4"	n/a	32	Std.	Left	40 (lbs)
3	26-11/16" x 29-13/16" x 2-3/4"	n/a	48	Std.	Left	50 (lbs)
4	26-11/16" x 38-3/4" x 2-3/4"†††	n/a	64	Std.	Left	61 (lbs)
5	27-1/8" x 48-1/8" x 3-1/2"	n/a	80	GC	Top	72 (lbs)
6	27-1/8" x 57-1/16" x 3-1/2"	n/a	96	GC	Top	87 (lbs)
8	27-1/8" x 75" x 3-1/2"	n/a	128	GC	Top	109 (lbs)
10	27-1/8" x 92-7/8" x 3-1/2"	n/a	160	GC	Top	132 (lbs)

37-5/16" Cabinet

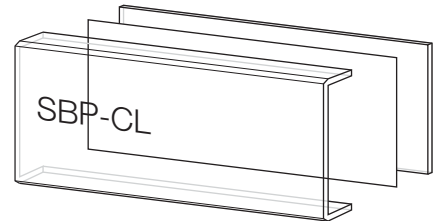
Col. Cap	Cabinet size ††	Message Strip Capacities		Cabinet Style	Hinge Location	Total Weight †
		15 x 225	30 x 225			
2	37-5/16" x 20-7/8" x 2-3/4"	n/a	48	Std.	Left	50 (lbs)
3	37-5/16" x 29-13/16" x 2-3/4"	n/a	72	Std.	Left	64 (lbs)
4	37-5/16" x 38-3/4" x 2-3/4"	n/a	96	Std.	Left	77 (lbs)
5	37-3/4" x 48-1/8" x 3-1/2"	n/a	120	GC	Top	91 (lbs)
6	37-3/4" x 57-1/16" x 3-1/2"	n/a	144	GC	Top	109 (lbs)
8	37-3/4" x 75" x 3-1/2"	n/a	192	GC	Top	137 (lbs)
10	37-3/4" x 92-7/8" x 3-1/2"	n/a	240	GC	Top	165 (lbs)



SBP ColorBand (30mm)



SBP-CL ClearBand (30mm)



† Approximate weights are for full recessed Visulines with an aluminum door frame. For a solid brass door, determine outside perimeter and add 3.2 lbs. per foot to weights shown. Semi-Recessed and surface mount units will be less.

†† 3-1/2" deep, GC cabinets have top hinged doors which are supported with gas cylinder "assists".

††† For a brass door, add 7/16" to cabinet height & width and change cabinet style to 3-1/2" deep GC to accommodate gas cylinder "assists".

Aluminum SignBand with Insert Slot

Two extruded Aluminum SignBands with the Insert Slot feature are offered for directory use, the SB15IS and SB30IS. Each has a thickness of .118" (3mm) and incorporates a slight edge bevel that visually creates a shadow line reveal between messages.

A slot within the shape accepts changeable paper inserts which are available in coordinated APCO colors. A clear protective cover is also available and slides into the slot, in front of the message.

SignBands snap onto precision, injection molded MultiClips, forming independent columns or "tiles". MultiClip design ensures SignBand alignment between tiles.

A ThinLine Accord profile (1/16" wide) acts as a column divider, enclosing the left side of each column "tile". The right side of the "tile" is open for strip replacement and rearrangement.

As a standard, "tiles" lift out for servicing. Custom configurations may require alternate attachment method. Consult factory for details.

When selecting Aluminum SignBands with Insert Slot, overall heights and display heights are as follows:

Part Code	Overall Height	Display Height
SB15IS	19/32"	5/16"
SB30IS	1-3/16"	15/16"

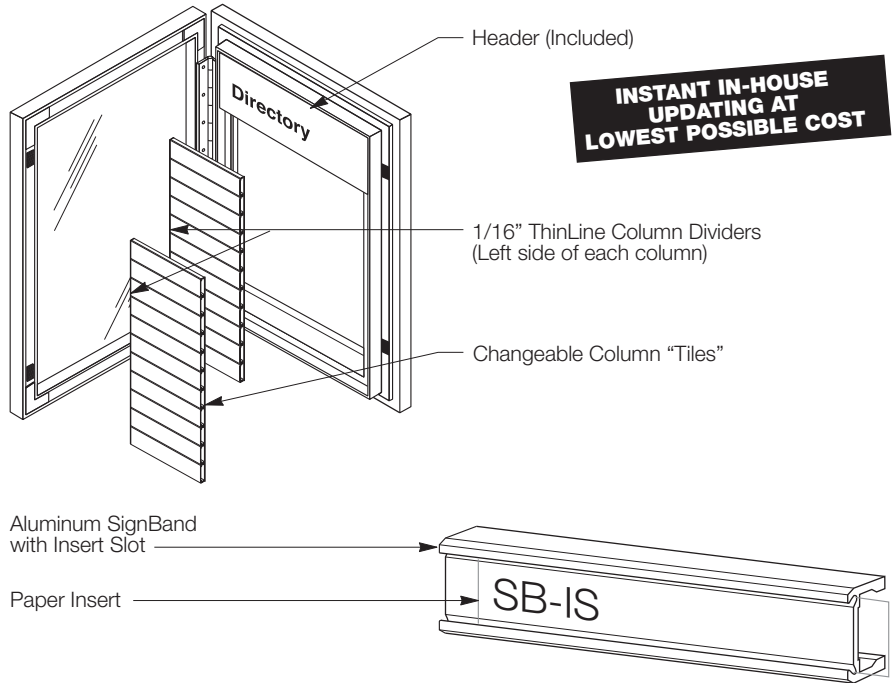
IS SignBands can be used in conjunction with aluminum SignBands and SignBand Expanders. Consult factory for details.

Interior Application Only

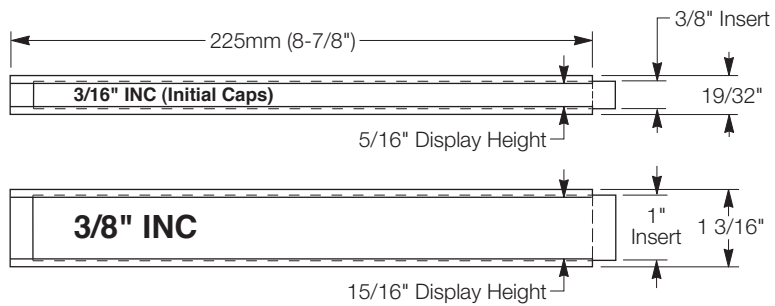
The SB-IS is designed for use in controlled interior environments, as the paper inserts are not intended to withstand exposure to the elements.

Sizes & Text Limitations

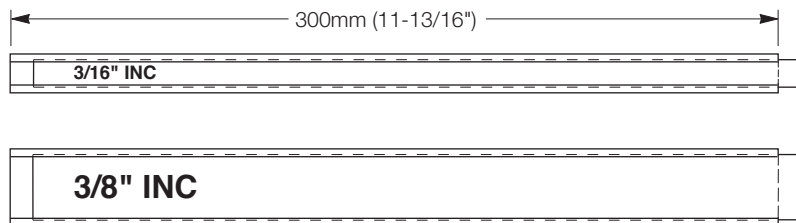
Standard cut lengths for the SB15IS and SB30IS are shown at right. Maximum suggested text sizes are also illustrated for each. Other widths are available Special Order.



225mm SignBand with Insert Slot (SB15IS & SB30IS)



300mm SignBand with Insert Slot (SB15IS & SB30IS)



Directory - Accord 15

SB - Aluminum SignBand

Aluminum SignBand

Two extruded Aluminum SignBands are offered for directory use, the SB15 and SB30. Each has a thickness of .118" (3mm) and incorporates a slight edge bevel that visually creates a shadow line reveal between messages.

SignBands snap onto precision, injection molded MultiClips, forming independent columns or "tiles". MultiClip design ensures SignBand alignment between tiles.

A ThinLine Accord profile (1/16" wide) acts as a column divider, enclosing the left side of each column "tile". The right side of the "tile" is open for strip replacement and rearrangement.

As a standard, "tiles" lift out for servicing. Custom configurations may require alternate attachment method. Consult factory for details.

Message copy is silkscreen printed in a broad range of typestyles and colors.

When selecting Aluminum SignBands, overall heights and display heights follow:

Part Code	Overall Height	Display Height
SB15	19/32"	13/32"
SB30	1-3/16"	1"

Aluminum SignBands can be used in conjunction with other aluminum SignBands with or without the insert slot feature. SignBand Expanders are also available. Consult factory for details.

Interior / Exterior Applications

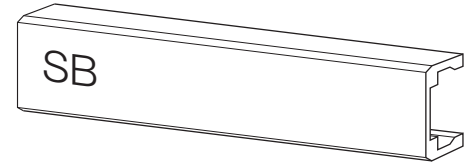
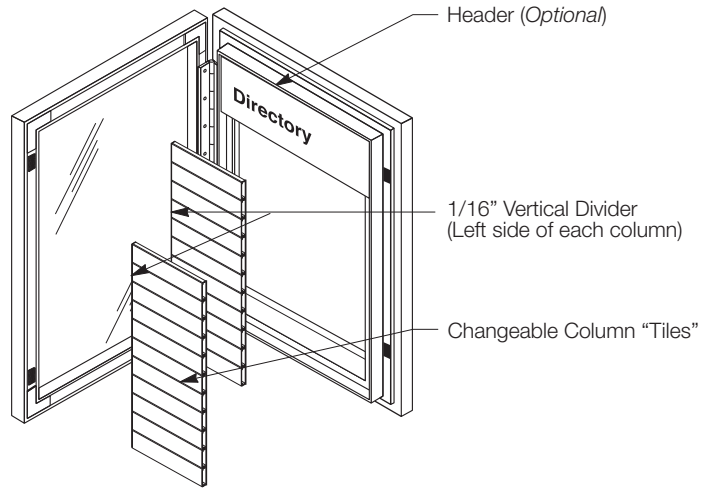
Aluminum SignBands are suitable for both interior and exterior applications. It is however, important to indicate when a directory is intended for exterior use, as header material will change.

Sizes & Text Limitations

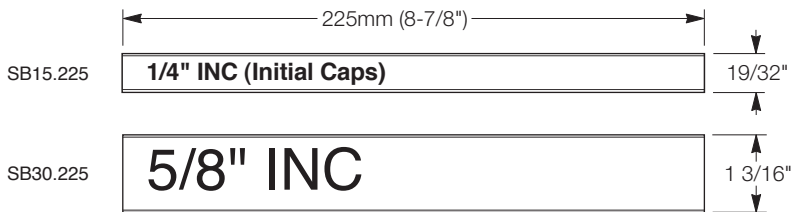
Standard cut lengths for the SB15 and SB30 are shown at right. Maximum suggested text sizes are also illustrated for each size. Other widths are available Special Order.

Prepaid Reorder System

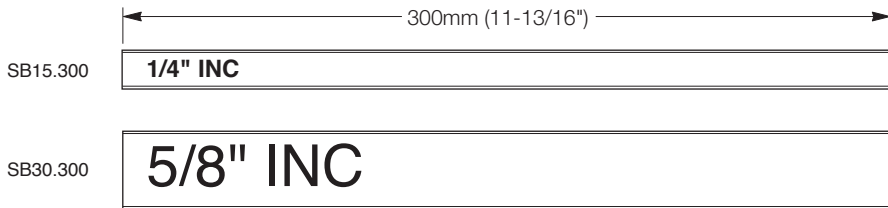
Replacement SignBands are available through the Prepaid Reorder System. A laminated order form with complete specifications is provided along with serially numbered stickers, in quantities of 10, 25 or 50, which can later be redeemed by fax or mail.



225mm SignBand (SB15 & SB30)



300mm SignBand (SB15 & SB30)



Header

The header is an integral part of the directory's function and is provided for common directory identification. This custom fabricated assembly, along with a bottom retainer angle, allow column ties to float freely, making them easy to install and service. NOTE: Removing the header constitutes a custom directory configuration. Cabinet heights will vary from those shown. Consult factory for details.

26-11/16" modules include a 90mm (V241H) header.
 37-5/16" modules include a 120mm (V241H) header.

225mm

The two charts below illustrate cabinet size and message strip capacities for 225mm wide, **SB Aluminum SignBands** and **SBIS Aluminum SignBands with Insert Slot**.

Col. Cap	Cabinet size ††	Message Strip Capacities		Cabinet Style	Hinge Location	Total Weight †
		15 x 225	30 x 225			
2	26-11/16" x 20-7/8" x 2-3/4"	64	32	Std.	Left	43 (lbs)
3	26-11/16" x 29-13/16" x 2-3/4"	96	48	Std.	Left	55 (lbs)
4	26-11/16" x 38-3/4" x 2-3/4"	128	64	Std.†††	Top	68 (lbs)
5	27-1/8" x 48-1/8" x 3-1/2"	160	80	GC	Top	80 (lbs)
6	27-1/8" x 57-1/16" x 3-1/2"	192	96	GC	Top	97 (lbs)
8	27-1/8" x 75" x 3-1/2"	256	128	GC	Top	123 (lbs)
10	27-1/8" x 92-7/8" x 3-1/2"	320	160	GC	Top	150 (lbs)

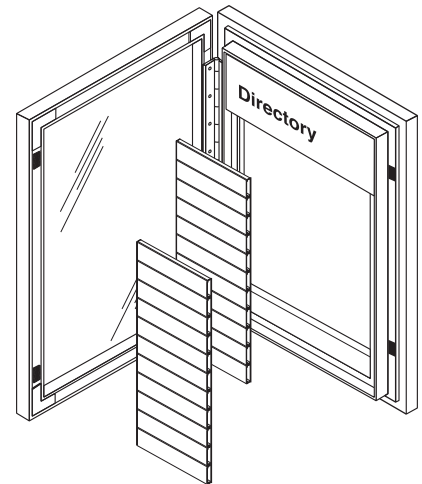
Col. Cap	Cabinet size ††	Message Strip Capacities		Cabinet Style	Hinge Location	Total Weight †
		15 x 225	30 x 225			
2	37-5/16" x 20-7/8" x 2-3/4"	96	48	Std.	Left	56 (lbs)
3	37-5/16" x 29-13/16" x 2-3/4"	144	72	Std.	Left	72 (lbs)
4	37-5/16" x 38-3/4" x 2-3/4"	192	96	Std.	Left	87 (lbs)
5	37-3/4" x 48-1/8" x 3-1/2"	240	120	GC	Top	103 (lbs)
6	37-3/4" x 57-1/16" x 3-1/2"	288	144	GC	Top	124 (lbs)
8	37-3/4" x 75" x 3-1/2"	384	192	GC	Top	157 (lbs)
10	37-3/4" x 92-7/8" x 3-1/2"	480	240	GC	Top	189 (lbs)

300mm

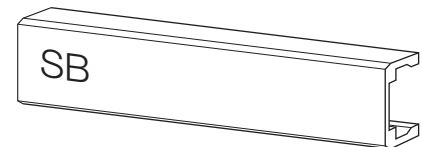
The two charts below illustrate cabinet size and message strip capacities for 300mm wide, **SB Aluminum SignBands** and **SBIS Aluminum SignBands with Insert Slot**.

Col. Cap	Cabinet size ††	Message Strip Capacities		Cabinet Style	Hinge Location	Total Weight †
		15 x 300	30 x 300			
2	26-11/16" x 26-3/4" x 2-3/4"	64	32	Std.	Left	51 (lbs)
3	26-11/16" x 38-11/16" x 2-3/4"	96	48	Std.†††	Top	67 (lbs)
4	27-1/8" x 51" x 3-1/2"	128	64	GC	Top	88 (lbs)
5	27-1/8" x 62-15/16" x 3-1/2"	160	80	GC	Top	105 (lbs)
6	27-1/8" x 74-13/16" x 3-1/2"	192	96	GC	Top	122 (lbs)
8	27-1/8" x 98-5/8" x 3-1/2"	256	128	GC	Top	157 (lbs)

Col. Cap	Cabinet size ††	Message Strip Capacities		Cabinet Style	Hinge Location	Total Weight †
		15 x 300	30 x 300			
2	37-5/16" x 26-3/4" x 2-3/4"	96	48	Std.	Left	66 (lbs)
3	37-5/16" x 38-11/16" x 2-3/4"	144	72	Std.	Left	87 (lbs)
4	37-3/4" x 51" x 3-1/2"	192	96	GC	Top	112 (lbs)
5	37-3/4" x 62-15/16" x 3-1/2"	240	120	GC	Top	134 (lbs)
6	37-3/4" x 74-13/16" x 3-1/2"	288	144	GC	Top	156 (lbs)
8	37-3/4" x 98-5/8" x 3-1/2"	384	192	GC	Top	199 (lbs)



SB SignBand (15 & 30mm)



SBIS SignBand (15 & 30mm)



† Approximate weights are for full recessed Visulines with an aluminum door frame. For a solid brass door, determine outside perimeter and add 3.2 lbs. per foot to weights shown. Semi-Recessed and surface mount units will be less.
 †† 3-1/2" deep, GC cabinets have top hinged doors which are supported with gas cylinder "assists".
 ††† For a brass door, add 7/16" to cabinet height & width and change cabinet style to 3-1/2" deep GC to accommodate gas cylinder "assists".

Maps & Plans

2320 Series - Maps & Plans

When used to display Maps or Plans, Visuline accommodates easily changeable, multicolored floorplans, site plans or facility locator maps. Single or multiple graphic inserts can be displayed.

For **Interior** applications, Map or Plan graphics are surface sprayed and surface imprinted onto 1/8" thick acrylic. The changeable panel is magnetically mounted to a rigid back-up which fastens into the cabinet using PresLock fasteners. Pull-tabs are provided to simplify installation and maintenance.

For **Exterior** applications, Maps and Plans are face applied onto a laminated aluminum substrate (Dibond) and secured directly into the Visuline cabinet using PresLock fasteners. Magnetic mounting is not suitable for exterior environments.

The customer can provide digital artwork or APCO can create art from site or floor plans. Graphic options include screen printing or laminating electronically printed media onto the changeable panel.

Cabinet Size and Display Area

Standard cabinet heights and widths are offered for Maps and Plans. However, cabinets can easily be constructed to accommodate displays of virtually any size.

To calculate available display area, simply subtract both cabinet member thicknesses from the cabinet's height and width.

Example:

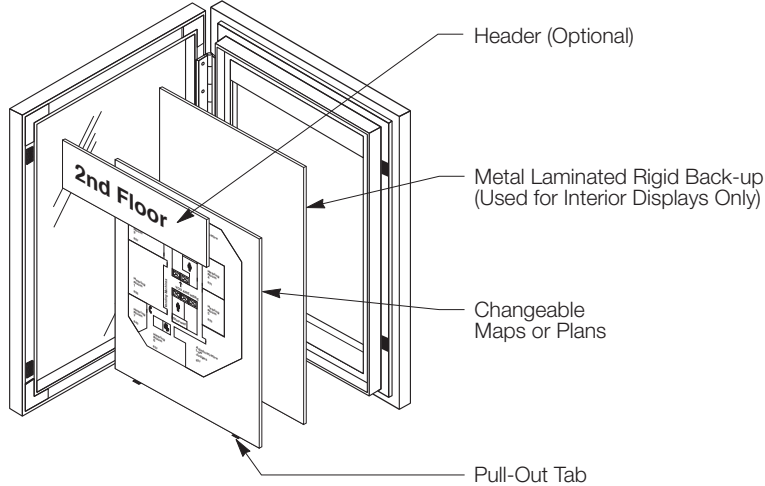
Visuline Cabinet Size		Equals Display Area
24" x 36" minus 3"		21" x 33"

GC Cabinet Size		Equals Display Area
24" x 36" minus 3-3/8"		20-5/8" x 32-5/8"

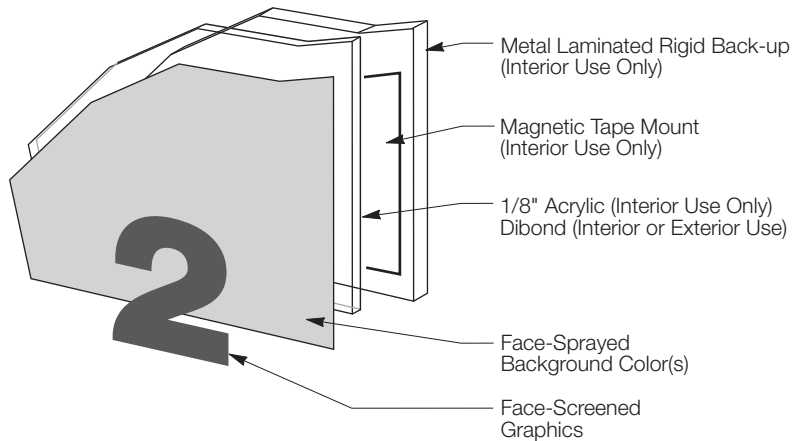
Header

A header panel is constructed in the same fashion as the Map or Plan panel. Typical Header size and graphic area are as follows:

Cabinet Height	Header Size & Graphic Area
24"	4" vertical x width of display area
36"	6" vertical x width of display area



Maps & Plans Panel Construction



24" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D)	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
2320.1.2418	Semi-Recessed	24" x 18" x 2-3/4"	36 (lbs)	21" x 15"	Left	Std. V-Line
2320.2.2418	Full Recessed		43 (lbs)			
2320.3.2418	Surface Mount		34 (lbs)			
2320.1.2424	Semi-Recessed	24" x 24" x 2-3/4"	45 (lbs)	21" x 21"	Left	Std. V-Line
2320.2.2424	Full Recessed		54 (lbs)			
2320.3.2424	Surface Mount		43 (lbs)			
2320.1.2436	Semi-Recessed	24" x 36" x 2-3/4"	64 (lbs)	21" x 33"	Top	Std. V-Line
2320.2.2436	Full Recessed		74 (lbs)			
2320.3.2436	Surface Mount		61 (lbs)			

36" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D)	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
2320.1.3618	Semi-Recessed	36" x 18" x 2-3/4"	51 (lbs)	33" x 15"	Left	Std. V-Line
2320.2.3618	Full Recessed		60 (lbs)			
2320.3.3618	Surface Mount		49 (lbs)			
2320.1.3624	Semi-Recessed	36" x 24" x 2-3/4"	64 (lbs)	33" x 21"	Left	Std. V-Line
2320.2.3624	Full Recessed		74 (lbs)			
2320.3.3624	Surface Mount		61 (lbs)			

† Approximate weights include an aluminum door frame. For a solid brass door, determine outside perimeter and add 3.2 lbs. per foot to weights shown.

2330 Series - Magnetic Bulletin Board

Visuline provides a smooth inner surface when used as a Magnetic Bulletin Board. Magnetic discs are furnished to retain posters, messages, announcements and other sheet documents.

For **Interior Applications Only**, Magnetic Bulletin Boards incorporate a ferrous core laminated to a rigid back-up. The core is covered with a scuff resistant material which can be finished in any APCO color. The finished assembly fastens into the cabinet using PresLock fasteners. Pull-tabs are provided to simplify installation and maintenance.

Cabinet Size and Display Area

Standard cabinet heights and widths are offered for Magnetic Bulletin Boards. However, cabinets can easily be constructed to accommodate displays of virtually any size.

To calculate available display area, simply subtract both cabinet member thicknesses from the cabinet's height and width.
Example:

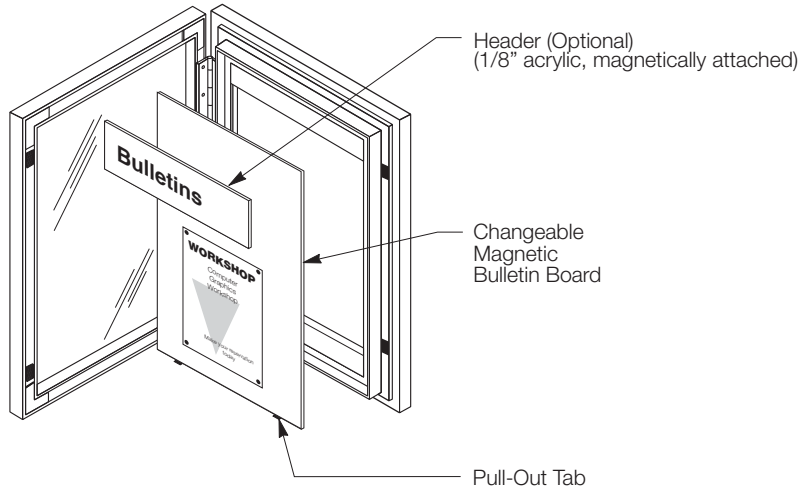
Visuline Cabinet Size 24" x 36" minus 3" **Equals Display Area** 21" x 33"

GC Cabinet Size 24" x 36" minus 3-3/8" **Equals Display Area** 20-5/8" x 32-5/8"

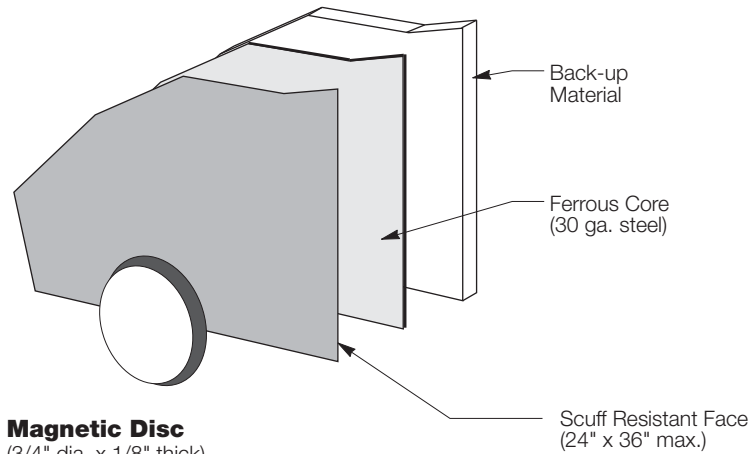
Header

When a removable Header panel is specified, magnetic display area is reduced. Typical Header size and graphic area are as follows:

Cabinet Height 24" 36"
Header Size & Graphic Area 4" vertical x width of display area 6" vertical x width of display area



Bulletin Board Construction



Magnetic Disc
(3/4" dia. x 1/8" thick)
10 pack, provided by APCO

24" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D)	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
2330.1.2418	Semi-Recessed	24" x 18" x 2-3/4"	32 (lbs)	21" x 15"	Left	Std. V'Line
2330.2.2418	Full Recessed		40 (lbs)			
2330.3.2418	Surface Mount		31 (lbs)			
2330.1.2424	Semi-Recessed	24" x 24" x 2-3/4"	40 (lbs)	21" x 21"	Left	Std. V'Line
2330.2.2424	Full Recessed		49 (lbs)			
2330.3.2424	Surface Mount		38 (lbs)			
2330.1.2436	Semi-Recessed	24" x 36" x 2-3/4"	56 (lbs)	21" x 33"	Top	Std. V'Line
2330.2.2436	Full Recessed		67 (lbs)			
2330.3.2436	Surface Mount		54 (lbs)			

36" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D)	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
2330.1.3618	Semi-Recessed	36" x 18" x 2-3/4"	45 (lbs)	33" x 15"	Left	Std. V'Line
2330.2.3618	Full Recessed		55 (lbs)			
2330.3.3618	Surface Mount		43 (lbs)			
2330.1.3624	Semi-Recessed	36" x 24" x 2-3/4"	56 (lbs)	33" x 21"	Left	Std. V'Line
2330.2.3624	Full Recessed		67 (lbs)			
2330.3.3624	Surface Mount		54 (lbs)			

† Approximate weights include an aluminum door frame. For a solid brass door, determine outside perimeter and add 3.2 lbs. per foot to weights shown.

Cork Board

2350 Series - Cork Board

Cork Board is a high grade plastic impregnated cork material used to display various printed material such as posters, notices, etc. which are affixed with pins or tacks. The 1/4" thick, self-healing composite material is available in 7 colors.

The Cork Board assembly fastens into the cabinet using PresLock fasteners. Pull-tabs are provided to simplify installation and maintenance.

Cork Board is suitable for **Interior** or **Exterior** applications. Though exterior testing has resulted in no actual breakdown of material, all colors, with the exception of natural, discolors slightly upon prolonged exposure to sunlight. Also, when subjected to moist environments, steel tacks may rust and cause streaking on the cork face. If an exterior application is desirable and discoloration occurs, Cork Board is easily replaced.

Important: It is not recommended to use any type of masking or transparent tapes on the Cork Board as this will gum-up the surface and may cause premature discoloration.

Cabinet Size and Display Area

Standard cabinet heights and widths are offered for Cork Boards. However, cabinets can easily be constructed to accommodate displays of virtually any size.

To calculate available display area, simply subtract both cabinet member thicknesses from the cabinet's height and width.
Example:

Visuline Cabinet Size		Equals Display Area
36" x 48"	minus 3"	33" x 45"
GC Cabinet Size		Equals Display Area
36" x 72"	minus 4"	32" x 68"

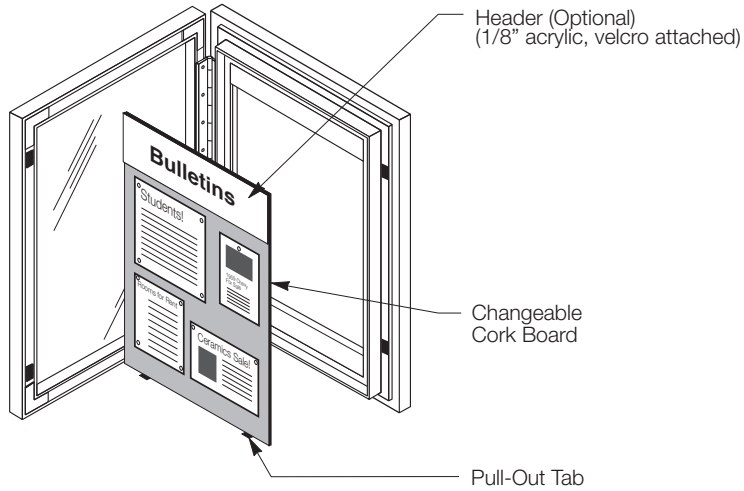
Cork Board material is available up to 72" high by an unlimited width.

Header

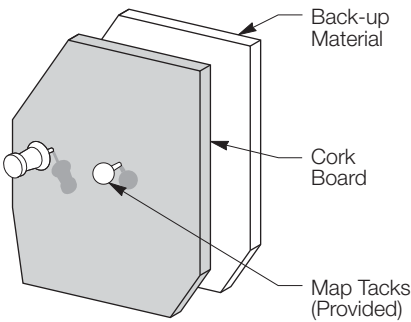
If a Header is specified, the height of the Cork Board material is reduced. Typical Header size and graphic area follows:

Cabinet Height Header Size

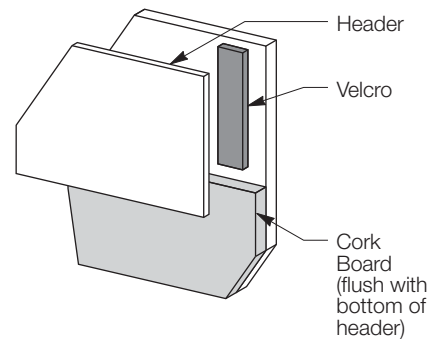
24"	4" vertical x width of display area
36"	6" vertical x width of display area



Cork Board Construction



With Header



24" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D)	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
2350.1.2418	Semi-Recessed	24" x 18" x 2-3/4"	28 (lbs)	21" x 15"	Left	Std. V-Line
2350.2.2418	Full Recessed		36 (lbs)			
2350.3.2418	Surface Mount		27 (lbs)			
2350.1.2424	Semi-Recessed	24" x 24" x 2-3/4"	48 (lbs)	21" x 21"	Left	Std. V-Line
2350.2.2424	Full Recessed		59 (lbs)			
2350.3.2424	Surface Mount		46 (lbs)			
2350.1.2436	Semi-Recessed	24" x 36" x 2-3/4"	62 (lbs)	21" x 33"	Top	Std. V-Line
2350.2.2436	Full Recessed		74 (lbs)			
2350.3.2436	Surface Mount		58 (lbs)			

36" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D) ††	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
2350.1.3624	Semi-Recessed	36" x 24" x 2-3/4"	48 (lbs)	33" x 21"	Left	Std. V-Line
2350.2.3624	Full Recessed		59 (lbs)			
2350.3.3624	Surface Mount		46 (lbs)			
2350.1.3636	Semi-Recessed	36" x 36" x 2-3/4"	66 (lbs)	33" x 33"	Left	Std. V-Line
2350.2.3636	Full Recessed		78 (lbs)			
2350.3.3636	Surface Mount		63 (lbs)			
2350.1.3648	Semi-Recessed	36" x 48" x 3-1/2"	84 (lbs)	32-5/8" x 44-5/8"	Top	GC
2350.2.3648	Full Recessed		98 (lbs)			
2350.3.3648	Surface Mount		80 (lbs)			
2350.1.3660	Semi-Recessed	36" x 60" x 3-1/2"	105 (lbs)	32-5/8" x 56-5/8"	Top	GC
2350.2.3660	Full Recessed		121 (lbs)			
2350.3.3660	Surface Mount		101 (lbs)			
2350.1.3672	Semi-Recessed	36" x 72" x 3-1/2"	123 (lbs)	32-5/8" x 68-5/8"	Top	GC
2350.2.3672	Full Recessed		142 (lbs)			
2350.3.3672	Surface Mount		118 (lbs)			
2350.1.3696	Semi-Recessed	36" x 96" x 3-1/2"	141 (lbs)	32" x 92"	Top	GC
2350.2.3696	Full Recessed		160 (lbs)			
2350.3.3696	Surface Mount		136 (lbs)			

† Approximate weights include an aluminum door frame. For a solid brass door, determine outside perimeter and add 3.2 lbs. per foot to weights shown.
†† 3-1/2" deep, GC cabinets have top hinged doors which are supported with gas cylinder "assists".

Fabric Board

Fabric Boards offer a textile finished insert used to display various printed material such as posters, notices, etc. which are affixed with pins or tacks. Two standard colors are available at time of printing. Consult factory if customer supplied material is desired.

For **Interior Applications Only**, Fabric Board is a 1/2" thick, light weight construction board bonded to a dibond (laminated aluminum) backer and wrapped in a fabric material. The finished assembly fastens into the cabinet using PresLock fasteners. Pull-tabs are provided to simplify installation and maintenance.

Fabric Material

APCO offers two standard fabric colors:
194 Sulphur
179 Mintless

NOTE: Fabric suppliers have been changing their fabric offering frequently due to market trends, demands, etc. Consult with factory for latest available colors.

Cabinet Size and Display Area

Standard cabinet heights and widths are offered for Fabric Boards. However, cabinets can easily be constructed to accommodate displays of virtually any size.

To calculate available display area, simply subtract both cabinet member thicknesses from the cabinet's height and width.
Example:

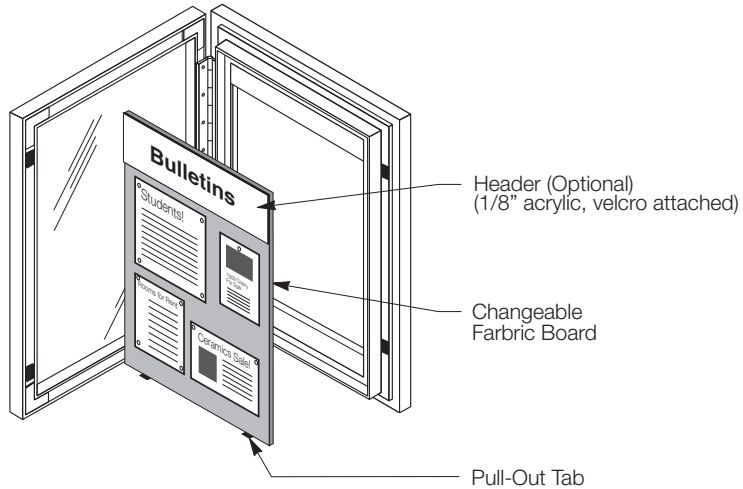
Visuline Cabinet Size		Equals Display Area
36" x 48"	minus 3"	33" x 45"
GC Cabinet Size		Equals Display Area
36" x 72"	minus 3-3/8"	32" x 68-5/8"

Fabric Board material is available up to 48" high by an unlimited width.

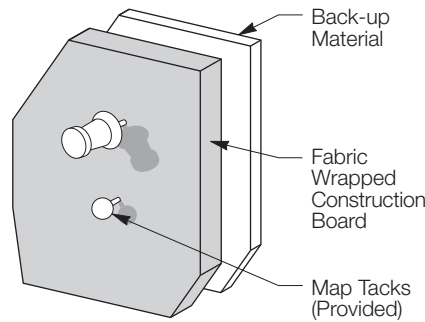
Header

When a removable Header panel is specified, display area is reduced. Typical Header size and graphic area are as follows:

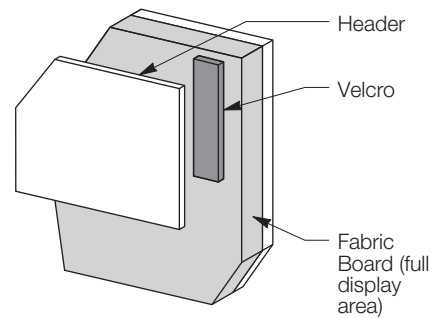
Cabinet Height	Header Size
24"	4" vertical x width of display area
36"	6" vertical x width of display area



Fabric Board Construction



With Header



24" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D)	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
n/a	Semi-Recessed		28 (lbs)			
n/a	Full Recessed	24" x 18" x 2-3/4"	36 (lbs)	21" x 15"	Left	Std. V'Line
n/a	Surface Mount		27 (lbs)			
n/a	Semi-Recessed		48 (lbs)			
n/a	Full Recessed	24" x 24" x 2-3/4"	59 (lbs)	21" x 21"	Left	Std. V'Line
n/a	Surface Mount		46 (lbs)			
n/a	Semi-Recessed		62 (lbs)			
n/a	Full Recessed	24" x 36" x 2-3/4"	74 (lbs)	21" x 33"	Top	Std. V'Line
n/a	Surface Mount		58 (lbs)			

36" Cabinet

Product Code	Mounting Style	Cabinet Size (H x W x D) ††	Total Weight †	Display Area	Door Hinge Location	Cabinet Style
n/a	Semi-Recessed		48 (lbs)			
n/a	Full Recessed	36" x 24" x 2-3/4"	59 (lbs)	33" x 21"	Left	Std. V'Line
n/a	Surface Mount		46 (lbs)			
n/a	Semi-Recessed		66 (lbs)			
n/a	Full Recessed	36" x 36" x 2-3/4"	78 (lbs)	33" x 33"	Left	Std. V'Line
n/a	Surface Mount		63 (lbs)			
n/a	Semi-Recessed		84 (lbs)	32-5/8"		
n/a	Full Recessed	36" x 48" x 3-1/2"	98 (lbs)	x	Top	GC
n/a	Surface Mount		80 (lbs)	44-5/8"		
n/a	Semi-Recessed		105 (lbs)	32-5/8"		
n/a	Full Recessed	36" x 60" x 3-1/2"	121 (lbs)	x	Top	GC
n/a	Surface Mount		101 (lbs)	56-5/8"		
n/a	Semi-Recessed		123 (lbs)	32-5/8"		
n/a	Full Recessed	36" x 72" x 3-1/2"	142 (lbs)	x	Top	GC
n/a	Surface Mount		118 (lbs)	68-5/8"		
n/a	Semi-Recessed		141 (lbs)	32-5/8"		
n/a	Full Recessed	36" x 96" x 3-1/2"	160 (lbs)	x	Top	GC
n/a	Surface Mount		136 (lbs)	92-5/8"		

† Approximate weights include an aluminum door frame. For a solid brass door, determine outside perimeter and add 3.2 lbs. per foot to weights shown.
†† 3-1/2" deep, GC cabinets have top hinged doors which are supported with gas cylinder "assistants".

Cabinet Features

Cabinet

The cabinet is a custom designed aluminum extrusion. Corners are mitered and welded, providing a smooth exterior detail. Cabinet housings are easily manufactured to adapt to most any custom installation.

Depending upon cabinet size, one of two extrusions may be used. The **Visuline Cabinet** housing is designed for smaller, light weight, wall mounted units. An integral track provides a receptacle for PresLock mounted, changeable insert materials while an adjustable support extrusion, incorporating the same integral track, provides center stability behind the insert(s). Including the door, the "Visuline Cabinet" assembly is 2-3/4" deep.

For larger sizes, the **GC Cabinet** is used. This profile is designed to support heavier, top hinged doors and provide necessary space for APCO's Gas Cylinder "Assists". (See "Doors" later in this section) Including the door, the "GC" assembly is 3-1/2" deep.

Display Area

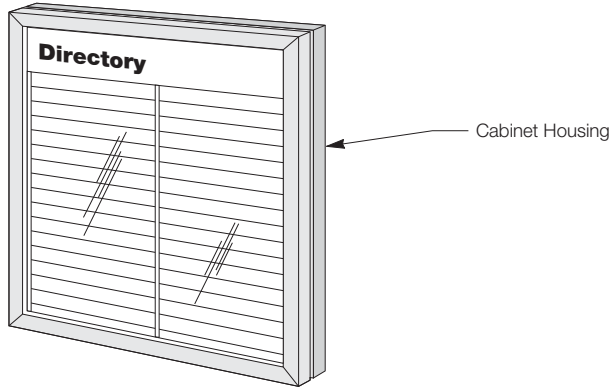
The size and type of display material is directly related to the cabinet profile used. When cabinet structure is increased from the lighter "Visuline Cabinet" to the heavier "GC" housing, the display area is reduced in both height and width.

Example: "Visuline Cabinet" with any of the listed display material;

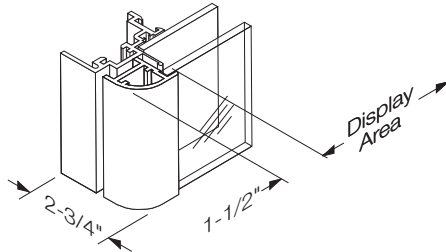
$$\begin{array}{rcl} 48" & - & 3" & = & 45" \\ \text{Housing Size} & & \text{Housing} & & \text{Display} \\ & & (1-1/2" \text{ Ea. Side}) & & \text{Area} \end{array}$$

Example: "GC Cabinet" with any of the listed display material;

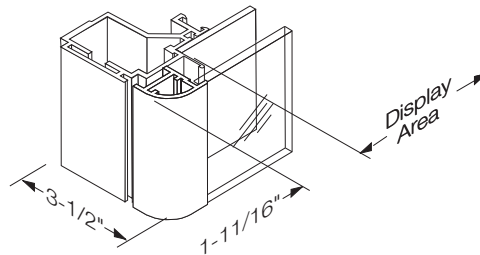
$$\begin{array}{rcl} 48" & - & 3-3/8" & = & 44 \ 5/8" \\ \text{Housing Size} & & \text{Housing} & & \text{Display} \\ & & (1-11/16" \text{ Ea. Side}) & & \text{Area} \end{array}$$



Standard Visuline Cabinet / Display Area



GC Cabinet / Display Area



Standard Finishes

The following finishes are standard for the extruded aluminum Cabinet Housing:

Natural Satin Anodized
313 Dark Bronze Anodized
315 Black Anodized

Optional Finishes

Once assembled, the housing can be polyurethane painted in any of APCO standard colors or custom colors can be matched.

Cabinets can also be clad with a variety of decorative metals. Below is a list of cladding options.

Aluminum

Polished, Uncoated (APU)
Satin (Brushed), Clear Coated (ASC)

Brass (Yellow)

Polished, Uncoated (BPU)
Polished, Clear Coated (BPC)
Satin (Brushed), Clear Coated (BSC)
Chrome Plated (BCHR)
Patina (Antique), Clear Coated (BAC)**

Brass (Red)

Polished, Uncoated (RBPU)*
Polished, Clear Coated (RBPC)*
Satin (Brushed), Clear Coated (RBSC)*

Lacquer is used for Clear Coated finishes

* Matched to 90/10 Commercial Bronze

** Simulated Oxidized Bronze (Supply Sample for Accurate Match)

Important: Specifying a non-standard size Directory will require product modifications. Consult factory for details.

Doors

Each Visuline is fitted with a single door. Profile selection includes any one of six shapes shown at right. Corners are mitered and welded to present an almost seamless appearance. All profiles are available in aluminum. SD, RD and BD shapes are available in solid brass.

The AccentTrack™ door profile is designed with a slot to accept virtually any insert material 1" wide and up to .090" thick. The decorative "accent" material can be furnished by APCO or by the Customer.

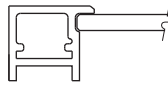
Unlike competitive units, Visuline incorporates a stainless steel continuous hinge that is completely concealed when the door is closed. Hinge location is determined by door size. Generally, if a door width exceeds 140% of its height, the unit will be top hinged. Side hinged doors typically hinge left with a right hinge configuration optional.

For top hinged doors, there are two types of support mechanisms: Prop-Rods or Gas Cylinder "Assists".

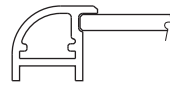
Smaller top hinged doors, weighing less than 30 lbs., are supported open approximately 60 degrees using "Prop-Rods". Rods are mechanically secured to directory cabinet and fold neatly behind all door shapes.

Gas Cylinder "Assists" are incorporated into units with large, heavy, top hinged doors. The "GC" housing is necessary for attaching and concealing gas cylinders.

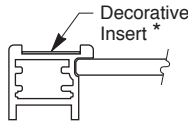
CAUTION: When specifying Visuline size, be mindful that a large unit will result in a heavy door. Stress will transfer to the mounting surface due to increased operating loads. Therefore, it is imperative that the surface be reinforced as necessary for function and safety. Consult APCO for any questions regarding mounting surface suitability.



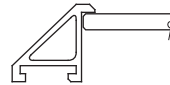
Square Door (SD)



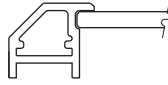
Radius Door (RD)



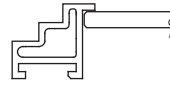
AccentTrack™ (AT)



AngleEdge™ (AE)

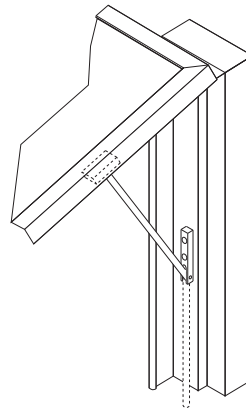


Bevel Door (BD)

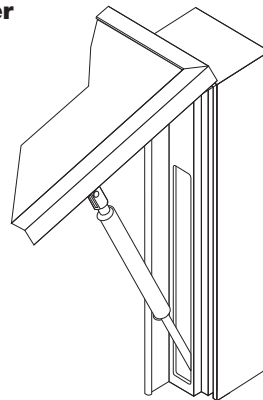


TriStep™

Prop-Rod



Gas Cylinder "Assists"



Standard Finishes

The following finishes are standard for extruded aluminum Door profiles:
 Natural Satin Anodized
 313 Dark Bronze Anodized
 315 Black Anodized

Optional Finishes

- Aluminum
 Polished, Uncoated (APU)
 Satin (Brushed), Clear Coated (ASC)
 Painted; Standard APCO colors or custom colors can be matched
- Brass (Yellow)
 Polished, Uncoated (BPU)
 Polished, Clear Coated (BPC)
 Satin (Brushed), Clear Coated (BSC)
 Chrome Plated (BCHR)
 Patina (Antique), Clear Coated (BAC)**
- Brass (Red)
 Polished, Uncoated (RBPU)*
 Polished, Clear Coated (RBPC)*
 Satin (Brushed), Clear Coated (RBSC)*

Lacquer is used for Clear Coated finishes
 * Matched to 90/10 Commercial Bronze
 ** Oxidized Bronze (Supply Sample for Accurate Match)

Glazing

Clear, 1/4" thick tempered glass is standard for an optimum combination of strength, durability and personal protection.

Glass in its natural form has a slight green tint and is typically unnoticeable, however, it may affect the display appearance of certain colors.

To protect the tempered glass, Visuline door frames are designed to trap the vulnerable edges.

Etched Glazing

Messages or logos can be sandblasted directly into the glazing.

Door Shape	Aluminum					Brass (Yellow)					Brass (Red)		
	Nat.Sat.	313	315	APU	ASC	BPU	BPC	BSC	BCHR	BAC	RBPU	RBPC	RBSC
Square Door (SD)	•	•	•	•	•	•	•	•	•	•	•	•	•
Radius Door (RD)	•	•	•	•	•	•	•	•	•	•	•	•	•
Bevel Door (BD)	•	•	•	•	•	•	•	•	•	•	•	•	•
AccentTrack (AT)	•	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
AngleEdge (AE)	•	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
TriStep (TS)	•	•	•	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Don't be fooled by imitation chrome plated metal. Solid brass provides the highest quality and longest lasting chrome plated surface. Aluminum doors with glass, weigh approximately 3-1/2 lbs. per square foot. Brass doors, weigh approximately 5-1/4 lbs. per square foot.

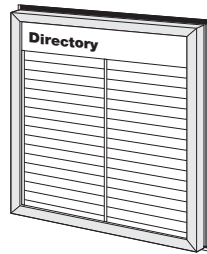
Reveals

Semi-Recessed Reveals

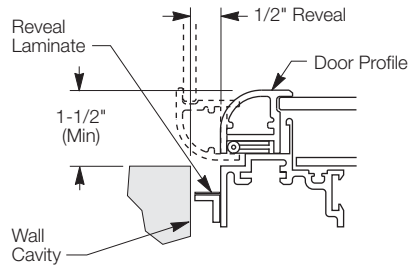
Semi-Recessed and Full Recessed directories are equipped with non-structural, outer perimeter reveals, mechanically fastened to the cabinet.

In a Semi-Recessed application, the cabinet mounts into a finished opening with minimal installation clearance. A 1/2" wide decorative reveal is used to offset the dimensional variance between the directory's housing and the wall cavity. For the door to operate properly, the directory protrudes a minimum 1-1/2" from the surrounding wall surface.

Semi-Recessed Directory



Reveal - Semi-Recessed Display



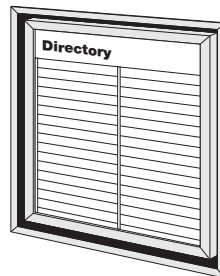
Full Recessed Reveals

In a Full Recessed application, a 1" wide by 1-1/2" deep reveal is added for proper door operation. This space is continuous around the cabinet perimeter for a uniform appearance.

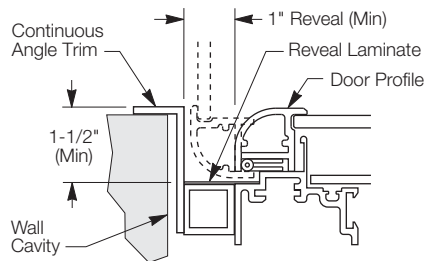
Continuous Angle Trim is provided as a standard and is attached to the reveal's outer surfaces. The trim conceals cavity variances (i.e. rough edges, out-of-square cavities, etc.) reducing the need to finish the cavity opening and returns.

Flat Bar Trim can be used to replace the Continuous Angle if desired, or the trim can be eliminated all together. It will be important however, that the 1" perimeter reveal be maintained and the cavity size be readjusted and specified accordingly.

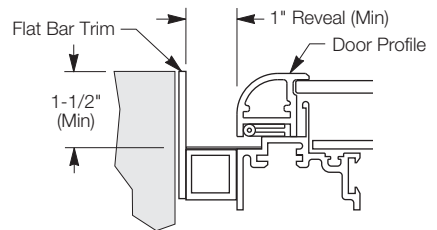
Full Recessed Directory



Standard Continuous Angle Trim Full Recessed Display



Optional Flat Bar Trim Full Recessed Display



Standard Finishes

The following finishes are standard for aluminum reveal cladding and decorative trim:

- Natural Satin Anodized
- 313 Dark Bronze Anodized
- 315 Black Anodized

Optional Finishes

Once assembled, reveals can be clad with a variety of decorative metals. Below is a list of cladding options.

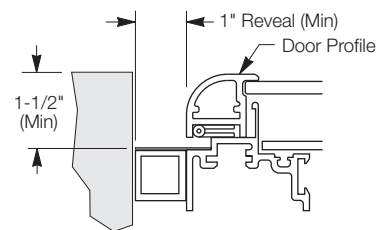
- Aluminum
 - Polished, Uncoated (APU)
 - Satin (Brushed), Clear Coated (ASC)
 - Painted; Standard APCO colors or custom colors can be matched
- Brass (Yellow)
 - Polished, Uncoated (BPU)
 - Polished, Clear Coated (BPC)
 - Satin (Brushed), Clear Coated (BSC)
 - Chrome Plated (BCHR)
 - Patina (Antique), Clear Coated (BAC)**
- Brass (Red)
 - Polished, Uncoated (RBP)*
 - Polished, Clear Coated (RBPC)*
 - Satin (Brushed), Clear Coated (RBSC)*

Lacquer is used for Clear Coated finishes

* Matched to 90/10 Commercial Bronze

** Oxidized Bronze (Supply Sample for Accurate Match)

Optional "No Trim" Full Recessed Display



Select from four types of door locking devices. The chart at the bottom of the page shows which locks are applicable to each Visuline mounting configuration.

Dual Lock

All doors are secured with 3M's aggressive Dual Lock Fastener located in various places between the door profile and cabinet housing.

Concealed Lock

For a more secure approach, APCO offers a Concealed Lock. Hidden behind the door frame, it is only accessible to those familiar with the feature. A special Concealed Lock Key is used to unlatch the lock. Once the door is open, the latch automatically re-engages upon closing. Security is greatly improved without visible hardware.

In Semi-Recessed applications, the only additional locking mechanism is APCO's Concealed Lock. This is due to the directory's narrow reveal and recessed cabinet.

The latch is replaceable due to its unique design. A retrofit kit is available for installing an APCO Concealed Lock into any existing Visuline product.

Concealed Locks are directional and operate as follows;

- Top hinged doors: Lock slides right to open
- Left hinged doors: Lock slides up to open
- Right hinged doors: Lock slides down to open

Conventional Keyed Locks

In addition to the standard (3M) Dual Lock Fastener, some models can be equipped with conventional exposed keyed locks.

Conventional keyed locks are installed during directory fabrication. Top hinged modules wider than 48" will contain two locks. Should any mechanical lock fail, only the Plunger Lock in a pedestal or post mount cabinet can be replaced in the field, without removing the Visuline from its installed location.

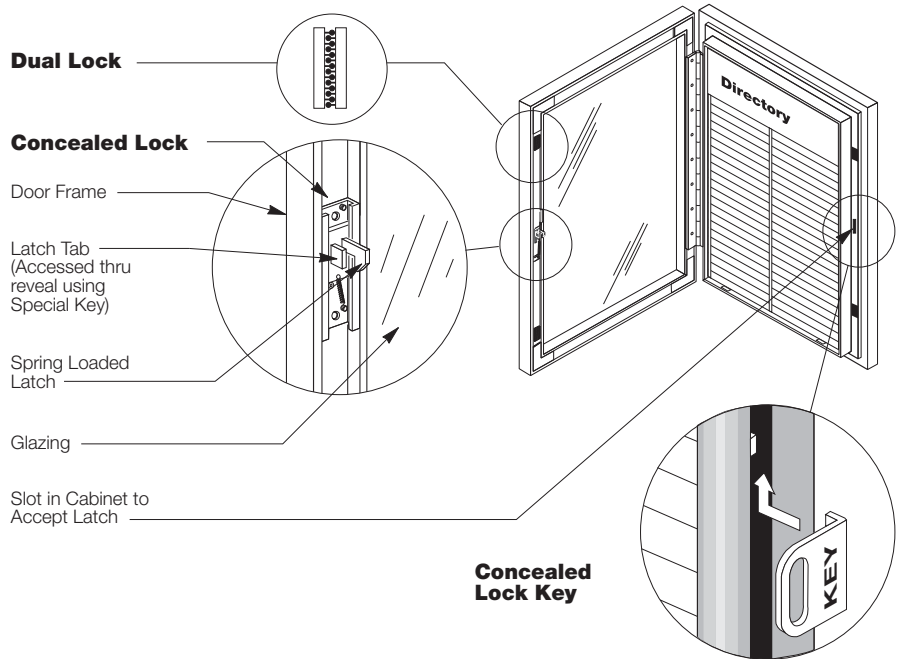
Plunger Lock

Conventional keyed Plunger Locks are offered on Surface Mounted, Pedestal and Post Mounted modules only. As a standard, each lock is keyed alike.

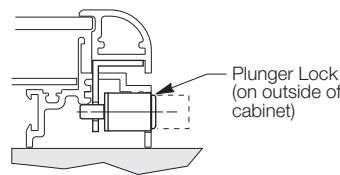
Directories mounted at angles (ie. Pedestal and Console mounted) with a Gas Cylinder "Assisted" door requires Plunger Lock(s) to assure door remains closed. Units under 48" in width will be equipped with one Plunger Lock. Those exceeding 48" will contain two locks.

Cam Lock

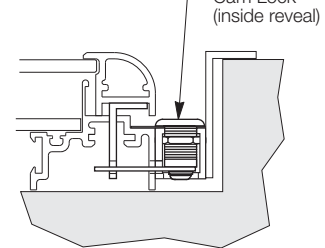
As an option to the Plunger Lock, a conventional keyed Cam Lock is available for Full Recessed modules or on the bottom of a Post or Pedestal Mount module.



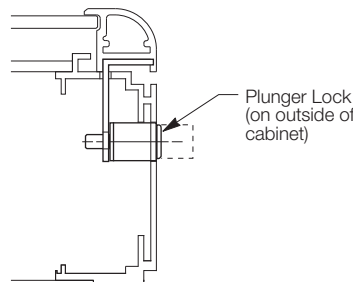
Plunger Lock Surface Mount Display



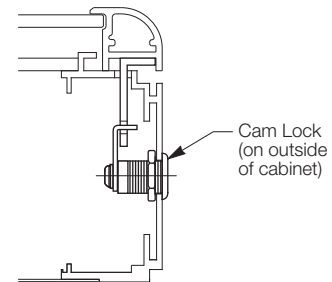
Cam Lock Full Recessed Display



Plunger Lock Pedestal & Post Mounts



Cam Lock Pedestal & Post Mounts



Product Application

Mounting Configuration	(3M) Dual Lock	APCO Concealed Lock	Keyed Plunger Lock	Keyed Cam Lock
Semi-Recessed	•	•	n/a	n/a
Full Recessed	•	•	n/a	•
Surface Mount	•	•	•	•
Pedestal Mount	•	•	•	•
Post Mount	•	•	Top hinged	Side hinged
Console Mount	•	•	n/a	•

Header Panels

Header

Accord directory displays include a standard, changeable header panel which spans the entire width of the display area. The header is optional with all other display configurations.

The standard header finish is a face-sprayed background color and face screened copy which can include any of APCO's hundreds of standard typesets in the suggested formats shown.

For custom graphics, the customer can provide digital or camera ready artwork, or APCO can generate the necessary material utilizing a vast array of computerized technology.

Header Formats



Left/Center (LC)



Center/Center (CC)

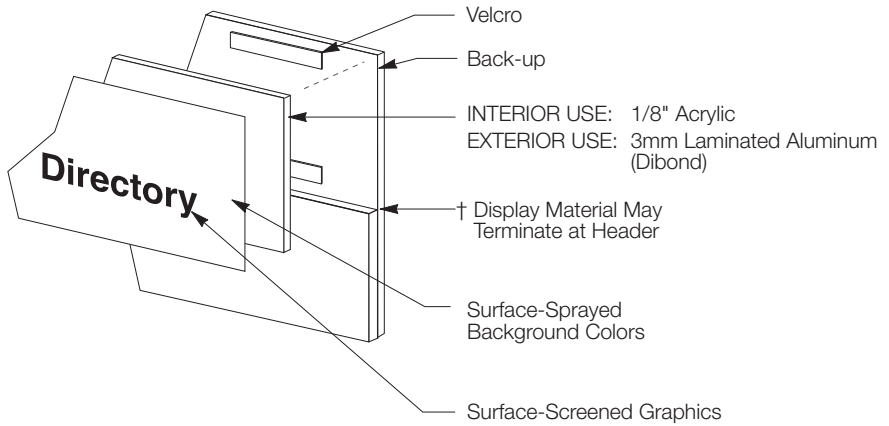


Right/Center (RC)

† Depending upon configuration, header accommodation may require display material to terminate at the base of the header.

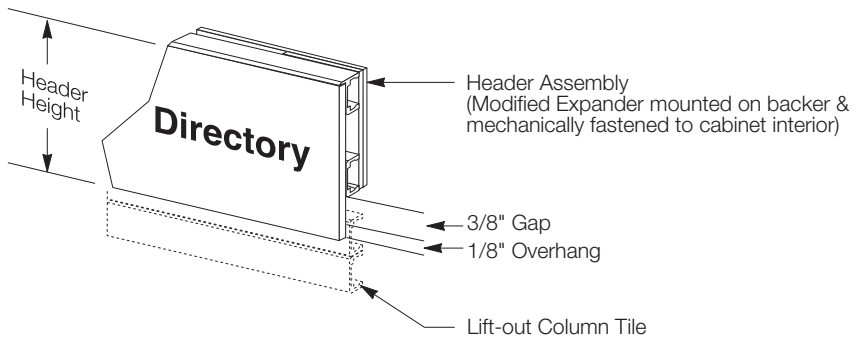
Header Construction

MS Directory, Maps, Plans, Magnetic Boards & Cork



V241H Header Construction

Accord 15 Directories



Display Configuration

Header Material (Interior)

Header Material (Exterior)

2310 Series Directory		
MS Message Strips	Acrylic Sheet	Not Recommended
SBP Accord 15 Express ColorBand	V241H (Modified) Expander	Not Recommended
SBP-CL Accord 15 Express ClearBand	V241H (Modified) Expander	Not Recommended
SB-IS Accord 15 SignBand w/ Insert Slot	V241H (Modified) Expander	Not Recommended
SB Accord 15 Aluminum SignBand	V241H (Modified) Expander	V241H (Modified) Expander
2320 Maps or Plans	Acrylic Sheet	Dibond (<i>laminated aluminum</i>)
2330 Magnetic Bulletin Board	Acrylic Sheet	Not Recommended
2350 Cork Board	Acrylic Sheet	Dibond (<i>laminated aluminum</i>)
Fabric Board	Acrylic Sheet	Not Recommended

When the specifier desires a non-standard unit, there are Unique Conditions which need to be addressed prior to determining display specifications.

New Conditions

The simplest form of adding a Visuline display to any facility is when mounting surfaces are being constructed according to display design. Visulines in this section have been established as guidelines for common sizes.

Existing Conditions

Often, unique architectural conditions determine display specifications. For instance, a wall may be unrestricted with ample space for a wide display. However, existing wall or stone panels may restrict the product's height. The required height may not be equivalent to any of the standard product heights shown. The custom size should be included in the specifications so that expensive field-modifications can be avoided.

Another example is the desire for a large capacity Directory display which may be limited to a small mounting surface area. In both cases, APCO can help to determine the largest, most fully functional unit.

Sizing Directory to Cavity Opening

Because each Visuline is hand crafted, displays are easily constructed to fit existing openings. Opening dimensions must be measured accurately. Inaccurate readings will result in a product size which does not fit the wall cavity.

In an existing condition, measure the opening's height and width. Assure the opening is squarely constructed by measuring diagonally from corner to corner. These two dimensions should be identical. Also measure the cavity depth to assure mounting method is achievable. There must be ample space for product installation. (See separate Shop Drawings for recommendations)

IMPORTANT: If wall cavity opening does not contain adequate blocking to support the display, then additional structure must be added.

Custom Configurations

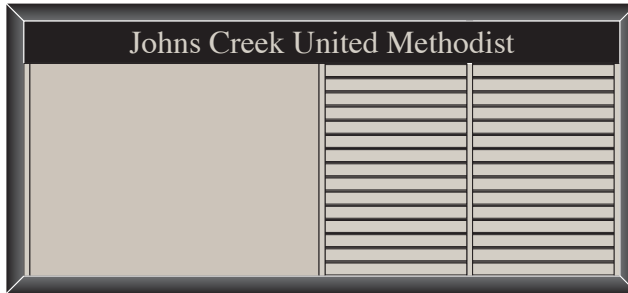
Visuline can display a combination of header(s), message strips, map(s), etc.

Once cabinet height and width has been established, display components can be determined. For Directory configurations, the message strip is commonly the first component specified.

Important: It is highly recommended that standard message widths be utilized as this will reduce errors when future component reorders are required.

Once the area required for message strips has been determined, header and/or graphic panel sizes can be specified. In certain conditions, the header and/or graphic panel size will determine message strip capacity.

Custom Display Configuration



Engineering Services

There are endless possibilities in which a Visuline can be configured. However, ERRORS associated with this product can be COSTLY. APCO's Engineering Department can easily help calculate most every aspect of virtually any size display.

Pedestal & Post Mount



2300.4
Single Pedestal Mount

Consult Factory



2300.4
Double Pedestal Mount

Consult Factory.
Shop drawings available at www.apcosigns.com



2300.5
Double Post Mount
• Single Sided
• Double Sided
• 4" Posts
• 8" Posts

Consult Factory.
Shop drawings available at www.apcosigns.com