The type of interior or exterior sign and sign system being selected for a particular application or facility may require several decisions and involve different construction and assembly components to meet the desired requirements. This section provides an overview of the intended criteria for both interior and exterior sign programs.

Many extruders and sign manufacturers currently market extrusions and component sign systems that will accomplish the illustrated objectives of the intended interior and exterior sign systems. These extruded, molded and fabricated component sign systems are acceptable so long as the illustrated and stated specifications are adhered to.

Exterior

The details showing the construction of the monument signs, post and panel signs, wall mounted signs and the stacking bar signs are based on a concept of an aluminum extrusion component system. The illustrations are intended to show the desired configuration and intent of the various sign types. Sections of the extrusions are for illustration purposes and have not be engineered or configured for extruding and do not represent a finished form or a particular manufacturer. Many manufacturers' extrusion systems will accomplish the illustrated objectives of the intended exterior sign system.

Variations such as beveled and radius shapes in the sign cabinet and sign face frame are **not** forms that conform with the sign program. Variation in shape and form for posts is an option that is available to allow a custom look for a medical center campus. Once a shape is selected, it should become the standard for the entire campus. Different shapes being used on the same campus will create a disorganized appearance to the exterior sign program.

Internally illuminated signs should have the electrical supply coordinated and voltage confirmed before the sign is ordered and fabricated. Text for illuminated signs should also be confirmed and finalized before the sign is ordered and fabricated. Revisions after construction are expensive and time consuming.

Community reaction should be taken into account before large "Skyline letters and logo" are installed on a medical center. Various communities have standards that may not permit these types of signs and installing them could create a local controversy. Also, when large letters are planned for a building, coordination should take place to insure issues of building skin integrity, structural loads, installation, and maintenance access are evaluated.

The Specification section of the Guide should be read in conjunction with the Construction Details section. This will provide an overview of the exterior sign construction requirements, materials and finishes.

Interior

The interior sign system is based two types of sign products and both are illustrated. The acrylic system continues the interior sign program that has been in place since 1980. The component system is a sign program that brings new products and solutions to meet various needs of the medical centers. Both systems are available from UNICOR, GSA sign manufacturers and the open market place.

The details showing the construction of the sign component system sign types are based on a concept of a component system. The illustrations are intended to show the desired configuration and intent of the various sign types. Sections of the extrusions and various parts are for illustration purposes and have not be engineered or configured for extruding and do not represent a finished form.

Many manufacturers currently market sign and extrusion systems that will accomplish the illustrated objectives of the intended system. These components are acceptable so long as the illustrated and stated specifications are adhered to.

The acrylic system must conform to consistent pocket and insert sizes, as stated in the specifications, and must be adhered to. Only optically clear non-glare acrylic is to be used with no “P-95” finishes permitted.

With the component system, variations such as beveled and radius shapes in the accent rails and end caps are **not** forms that conform with the sign program. With the acrylic system, variations such as aluminum or plastic frames and radius corners are **not** forms that conform with the sign program.

Once a system is selected, it should eventually become the standard for the medical center. The component system has been designed to be compatible with an existing acrylic system in size, however there will be a slight difference in appearance.

Both systems encourage the ongoing updating and maintenance of the sign program to be done by the medical center. The component system uses vinyl letters as the method of producing the lettering. The acrylic system also uses vinyl letters, but engraved inserts can be used as well.

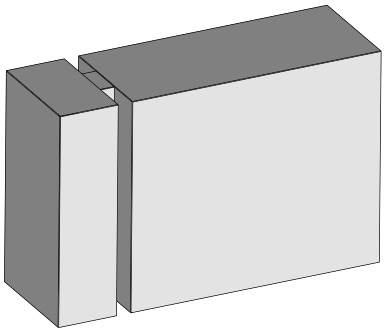
The Specification section of the Guide should be read in conjunction with the Construction Details section. This will provide an overview of the interior sign construction requirements, materials and finishes.

Detail 1

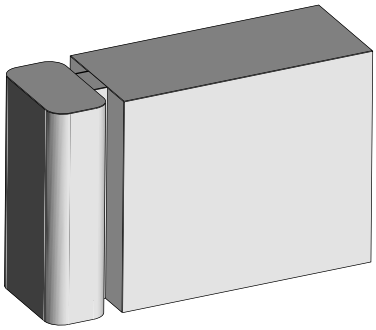
Post Forms

The illustrations show 4 different post shape forms. From these forms a look can be drawn that can allow a sign program to bring a fresh new image to a medical center campus. These forms can also create a coordinated look with the architectural theme of buildings on a medical center campus.

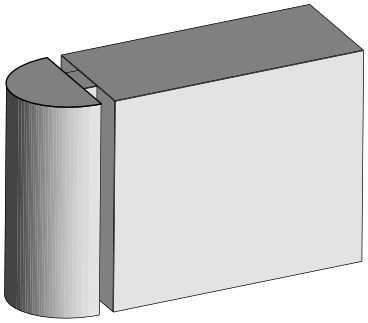
Post Shape One continues the look of the past exterior sign program and can allow an individual new sign to be integrated into an existing sign program that has been recently installed.



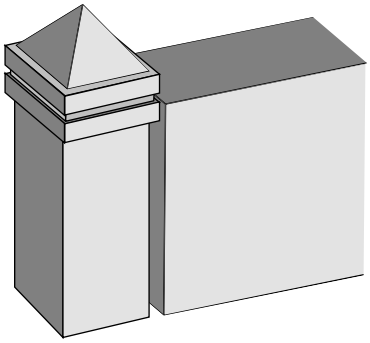
Post: P1



Post: P2



Post: P3

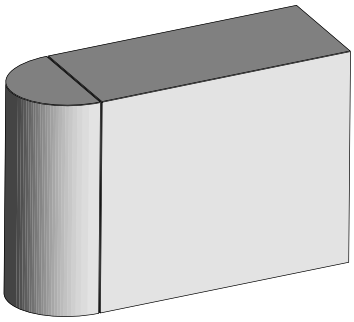


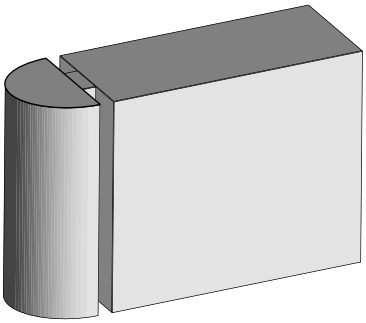
Post: P4

Detail 2

Post Forms - Reveals

The theme of the exterior sign program allows for signs to be assembled and installed with or without a revel. The extruded aluminum posts have the capability for interlocking with a reveal extrusion that allows for the sign to have a large reveal, small reveal or no reveal. This reveal can also be used to incorporate an accent color into the sign program.



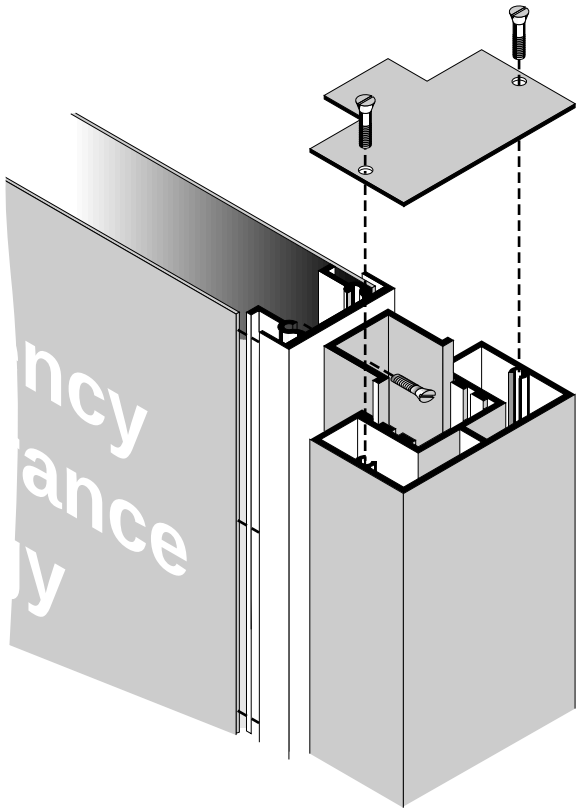


Detail 3

Non-Illuminated Post & Panel Sign

Sign is constructed with a non-illuminated sign cabinet mounted to extruded aluminum posts with an adjustable reveal between the posts and the cabinet.

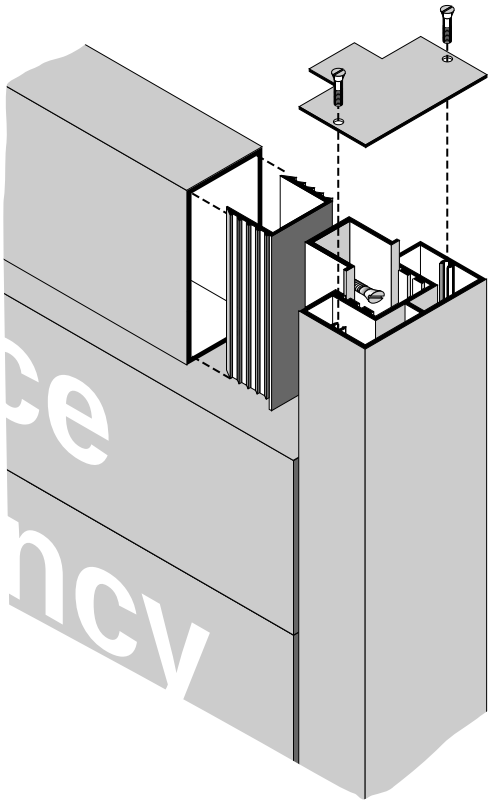
The sign cabinet extrusion should have the capability to hold the sign faces and allow for the removal and replacement of faces without total sign disassembly or abandonment of the sign.



Detail 4

Non-Illum. Stackable Copy Bar

Sign is constructed with a series of aluminum tubes mounted to extruded aluminum posts with an adjustable reveal between the posts and the stacking tubes.

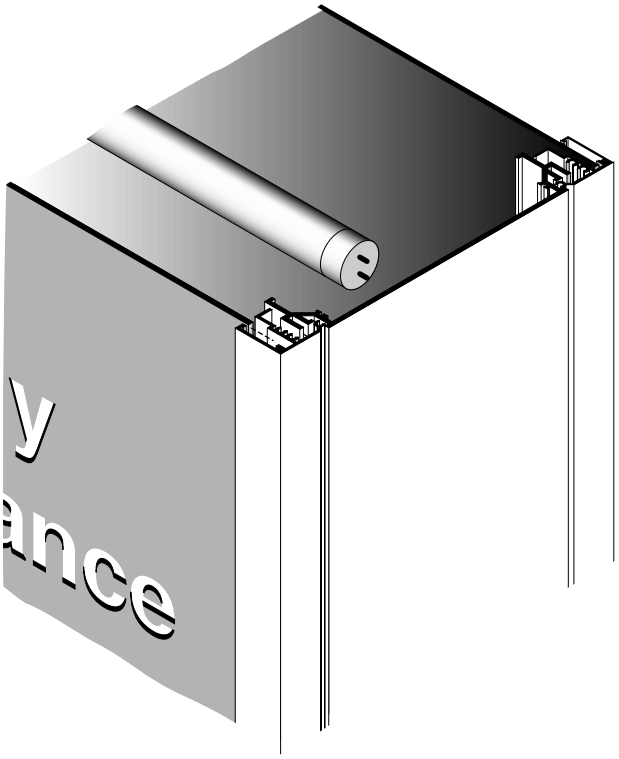


Detail 5

Internally Illum. Monument

Sign is constructed with an illuminated double faced sign cabinet mounted to a masonry base with a reveal between the base and the cabinet. Sign face is aluminum with “route out” graphics backed with a translucent diffuser. Illumination is by internal florescent lamping.

Sign face sits within a hinged/ removable frame which will allow for replacement of the sign face without disassembly or abandonment of entire sign.

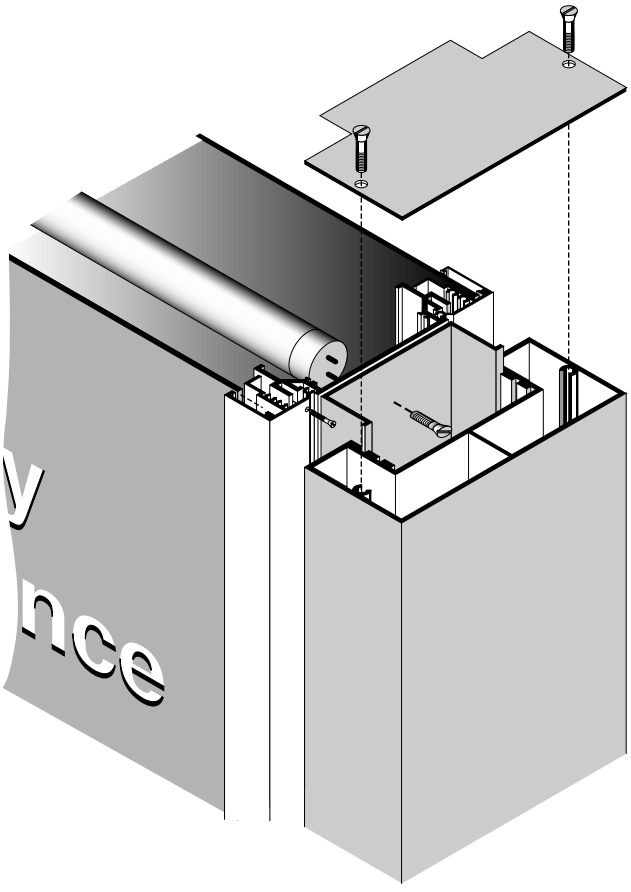


Detail 6

Internally Illum. Post & Panel Sign

Sign is constructed with an illuminated double faced sign cabinet mounted to extruded aluminum posts with an adjustable reveal between the posts and the cabinet. Sign face is aluminum with “route out” graphics backed with a translucent diffuser. Illumination is by internal florescent lamping.

Sign face sits within a hinged/ removable frame which will allow for replacement of the sign face without disassembly or abandonment of entire sign.

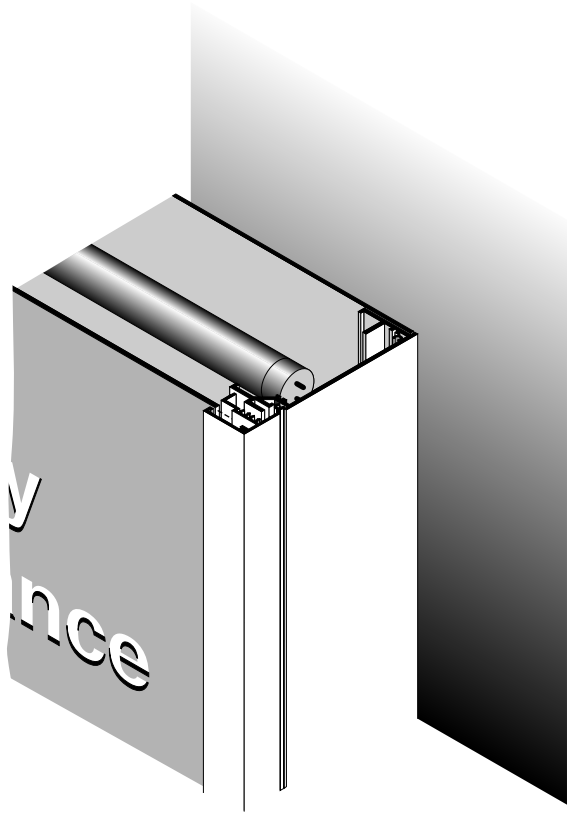


Detail 7

Internally Illum. Wall Mtd. Sign

Sign is constructed with a single faced illuminated sign cabinet that can be mounted to a wall. Sign face is aluminum with “route out” graphics backed with a translucent diffuser. Illumination is by internal florescent lamping.

Sign face sits within a hinged/ removable frame which will allow for replacement of the sign face without disassembly or abandonment of entire sign.

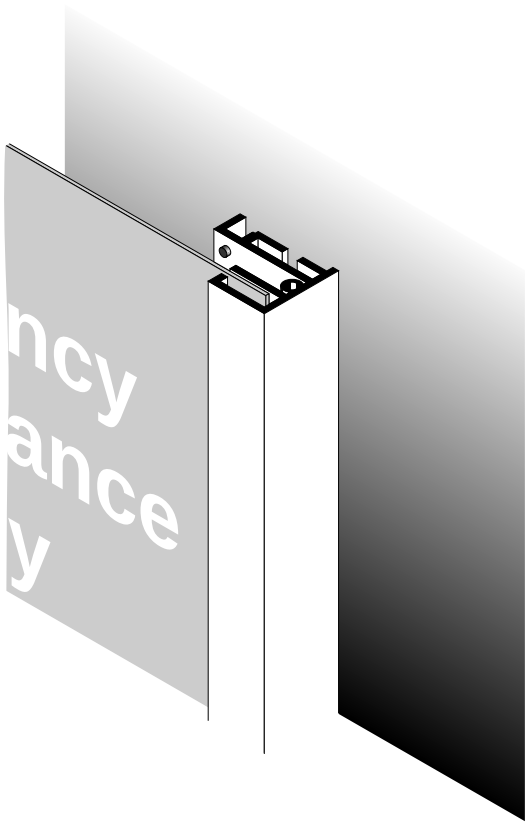


Detail 8

Non-Illum. Wall Mtd. Sign

Sign is constructed with an aluminum panel mounted into an extruded aluminum frame configured for wall mounting.

Sign face sits within a frame which will allow for replacement of the sign face without disassembly or abandonment of entire sign.

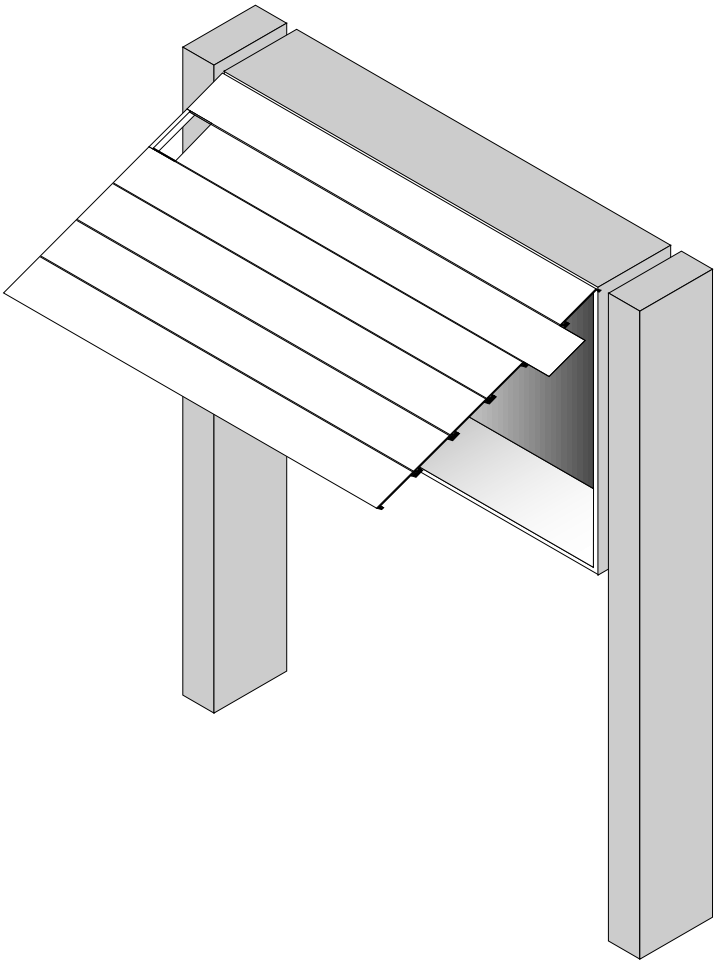


Detail 9

Internally Illum. Copy Strip Sign

A stacking strip illuminated sign incorporates individual extruded aluminum strips that enable the panels to be removed and rearranged as necessary.

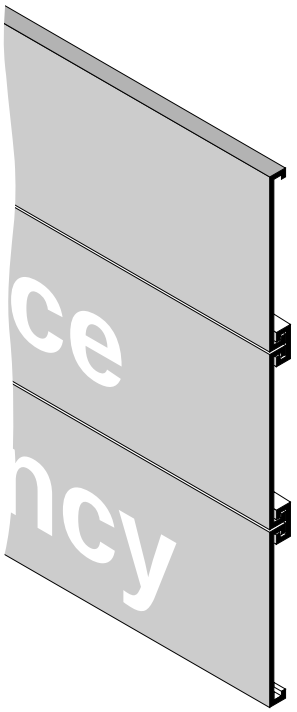
The sign is constructed similar to the internally illuminated monument or post and panel sign. The graphics on the strips are constructed in the same manner as an internally illuminated sign face.



Detail 10

Internally Illum. Copy Strip Sign

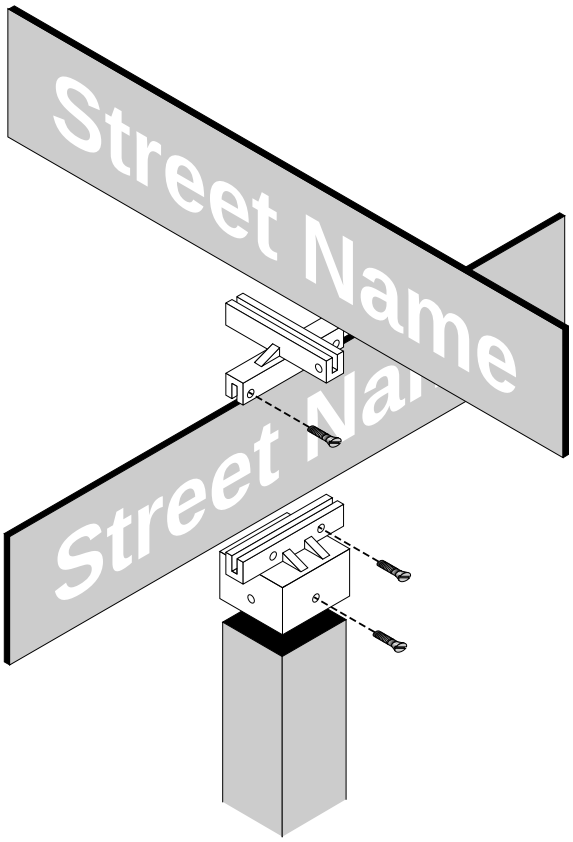
Modular illuminated sign strip extrusions are to be interlocking in such a manner as to prevent light leaks and also provide flexibility for replacement and rearrangement.



Detail 11

Street Identification Sign

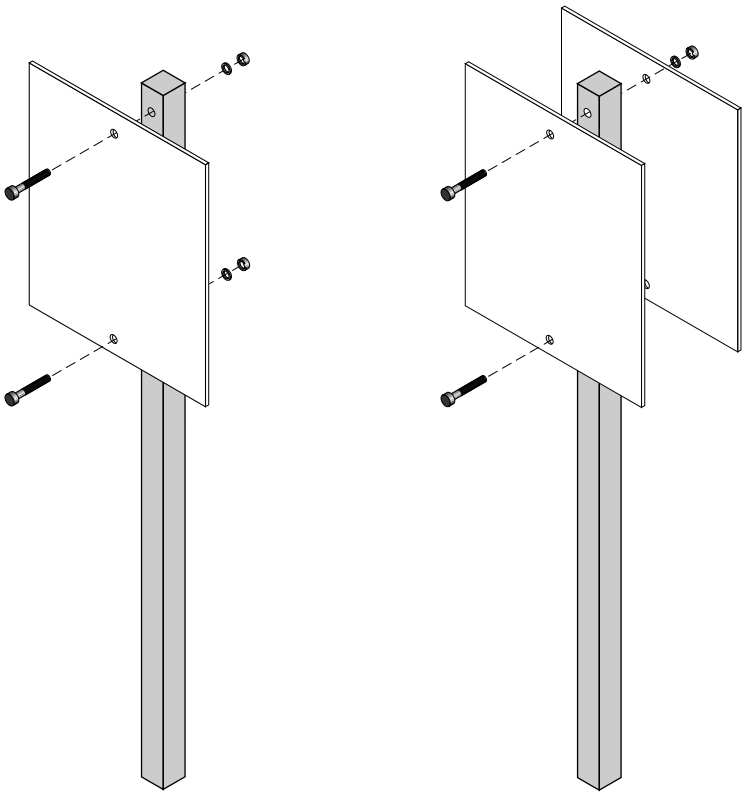
Cast or fabricated aluminum post cap configured to hold aluminum name panel. For double bladed signs there is a cast or fabricated aluminum connector that is mounted to the lower blade and holds the upper blade.



Detail 12

Single Post & Panel Sign

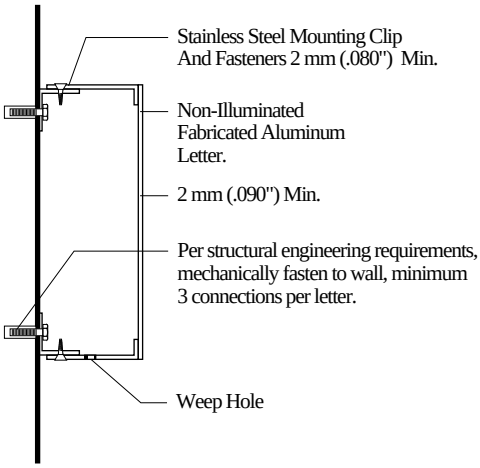
Aluminum sign panel mounted to a square aluminum post with tamper proof mechanical fasteners. Sign panels have the corners eased with a 6 mm (.25") radius. The post shall have a permanent top cap.



Detail 13

Fabricated Metal Letter & Logo

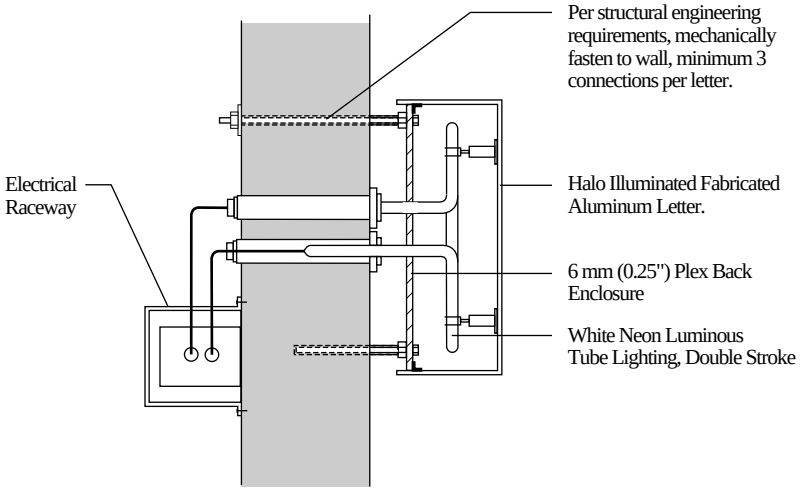
Fabricated metal letters and logo are intended for use on exterior building applications. The nature of these letters are such that they would be typically custom fabricated relative to the placement position on a building and architectural requirements that need to be met for anchoring to the side of the building.



Detail 14

Illuminated Letter & Logo

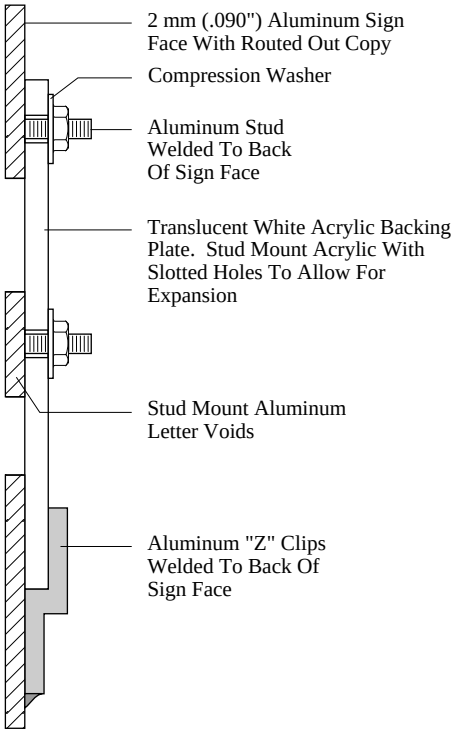
Illuminated letters and logo are intended for use on exterior building applications. The nature of these letters are such that they would be typically custom fabricated relative to the placement position on a building and architectural requirements that need to be met for anchoring to the side of the building. Clear access is required to backs of the letters to allow installation of electrical connections.



Detail 15

Internally Illuminated Sign Cabinet Graphics

Illuminated signs with route out aluminum sign faces require white translucent diffusers. These diffusers are to be mechanically fastened to the sign face. Letter voids are to be mechanically fastened to the diffuser. Diffusers are NOT to be installed on a sign face using any type of adhesive system.

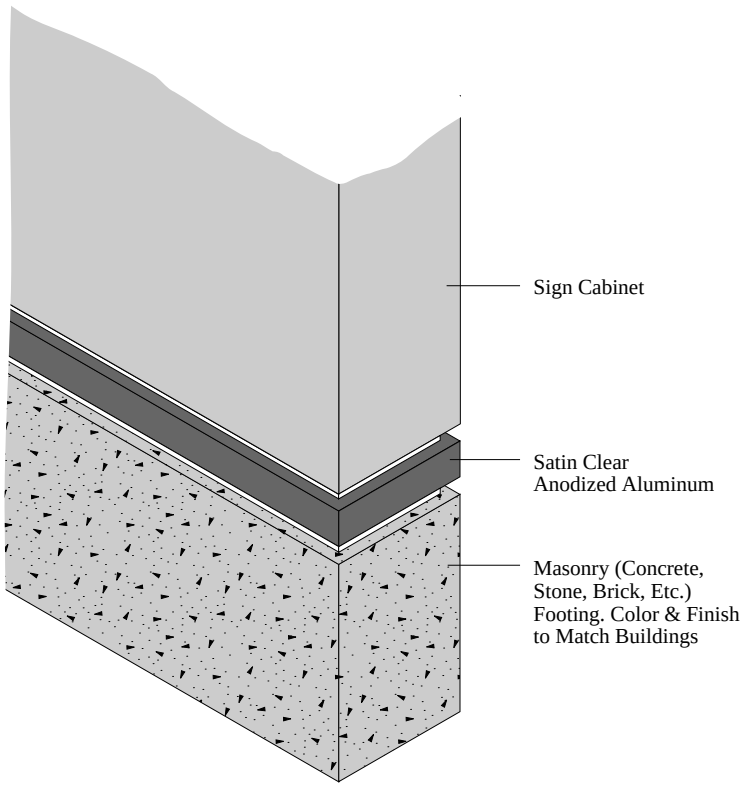


Detail 16

Base Detail

Bases for monument signs should be constructed out of a masonry material with a color and finish that is compatible with the overall architectural theme and finishes on the campus of the facility.

The footing should be a low height, but allow for the sign to be placed above adjacent landscaping. For horizontal monument type signs the base should never be taller than half of the height of the sign. Vertical monument type signs should have a very small height exposed base.



The guide illustrates both acrylic and component based sign systems for certain sign type families. These families are Type 03, 04, 05, 06, 07, 11, 12, 13, 14, 15, 16 and 17.

Acrylic System
The acrylic system is a continuation of the sign program that has been in place for many years. The version shown in the guide reflects revisions to simplify the signs.

The different sizes of inserts have been reduced. And, the focus of the program is to have pockets to receive either paper, thin clear inserts with vinyl letters or thicker engraved inserts.

It is critical that the acrylic system be consistent with its insert material in all signs. The acrylic system requires continued commitment to that specific element of the system.

Continuation of an existing acrylic system in a facility requires that a decision on the type of insert material and its method of manufacture be determined, based on what is currently used in the majority of existing signs.

Standardization of inserts is the only way to keep the maintenance of an acrylic system manageable.

With the inclusion of tactile room number signs, that contain braille, it has become important that the room number sign, and any sign mounted under it, have the sign faces in the same plain. Dissimilar levels can cause a person to possibly cut their fingers on the sharp edge of the acrylic when attempting to tactile read the room number sign.

Component System
Component systems use various interlocking elements which, when assembled, create a sign. They are available from several manufacturers and these general illustrations represent component systems that slide or snap together.

A benefit of the component system is that it provides flexibility and simplicity in maintaining and adapting signs to ever changing needs. Components from one sign can be interchanged with components from another sign quickly and easily. Existing signs can be added to or modified to perform another function. Changing directional signs is simple and rearranging messages is always possible.

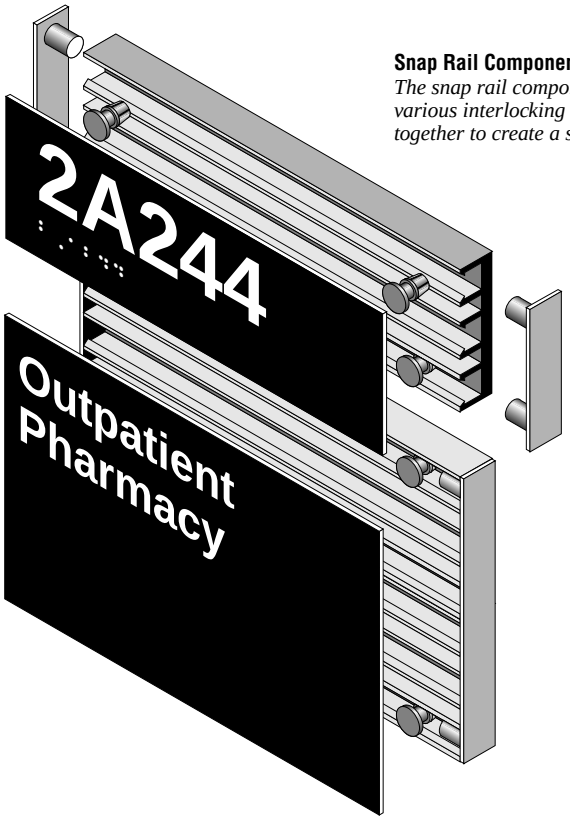
Acrylic System
The acrylic system uses plastic pieces assembled with adhesive to create a sign.

Sliding Rail Component System
The sliding rail component system uses various interlocking elements that slide together to create a sign.

While component signs can be installed along side acrylic signs, they will appear slightly different. Also, elements of the component system along with several of its benefits are not interchangeable with the acrylic system.

Implementation of a component system requires commitment to that specific system. Review carefully the advantages and disadvantages of various components systems as well as a component vs. acrylic system.

In the following pages, the guide illustrates the sliding rail component system to show how it would apply to the various sign type applications. Other systems may equally apply.



Snap Rail Component System
The snap rail component system uses various interlocking elements that snap together to create a sign.

Injected Molded Component System
This component system uses molded plastic pieces that snap together to create a sign.

Exclusions

Frames & Radius Corners

Frames for interior signs are no longer a part of the sign program.

This applies to both thin and thick plastic and aluminum frames.

Radius corner signs and radius corner frames are also not included in the sign program.

Frames have been dropped from the interior sign program for several reasons: They significantly increase the cost of signs; They create difficulties when inserting and removing inserts; Frames from different manufacturers are not compatible with inserts from different companies; Frames are quite thick and create a “dirt catching shelf”; Frames from different manufacturers have such varied “looks” that this creates a disorganized appearance within a medical center.

Radius corners plaques are not a part of the program because they create compatibility problems when trying to maintain a sign program over several years using different manufacturers as suppliers. Radius corner framed plaques are worse and create even more compatibility problems.

If a facility has square corner frames, radius corner frames or radius corner plaques as a part of the current program, that element of the program can be continued if continuity is desired.

The Component Sign System has available an End Cap that has radius corners. This End Cap can provide a visual compatibility between that sign system and an existing radius corner program in a facility.

Detail 1

Sliding Rail Component System
Type IN03 & IN04.1
Room Identification Sign

Comprised of the following components:

1 A Sliding Rail Back utilizing horizontal grooves which are spaced to allow for uniform, modular sizing of sign types.

2 An Insert that mounts to the back of the Copy Panels to allow for attachment to Sliding Rail Back by sliding in horizontally from either side.

3 Copy Panel which can be made of a variety of materials to allow for different graphic needs.

4 End Caps which interlock to form an integral unit, enclosing and securing the changeable Copy Panels to the back.

5 Joiners and Accent Joiners that connect separate Sliding Rail Backs together. For example, a Joiner connects a Type IN03 sign to a IN04.1 sign.

6 Accent Bar which provides a 3 mm (.125") high decorative trim cap enclosing the top of the sign.

Detail 2

Acrylic System
Type IA03 & IA04.1
Room Identification Sign

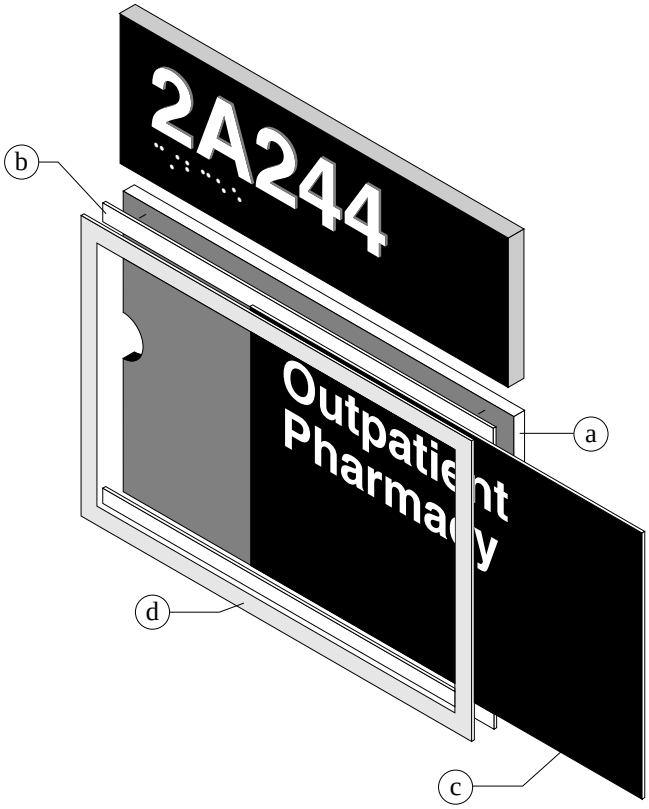
Comprised of the following components:

a A Back Plaque to allow for uniform, modular sizing of sign types.

b Spacers to allow for insertion of Copy Inserts by sliding them in horizontally from either side.

c Copy Inserts which can be made of a variety of materials to allow for different graphic needs.

d Face Plaque made of non-glare, optically clear acrylic that will allow clear reading of Copy Insert text. The Face Plaque is to have a second surface (sub-surface) color applied border to create a window.



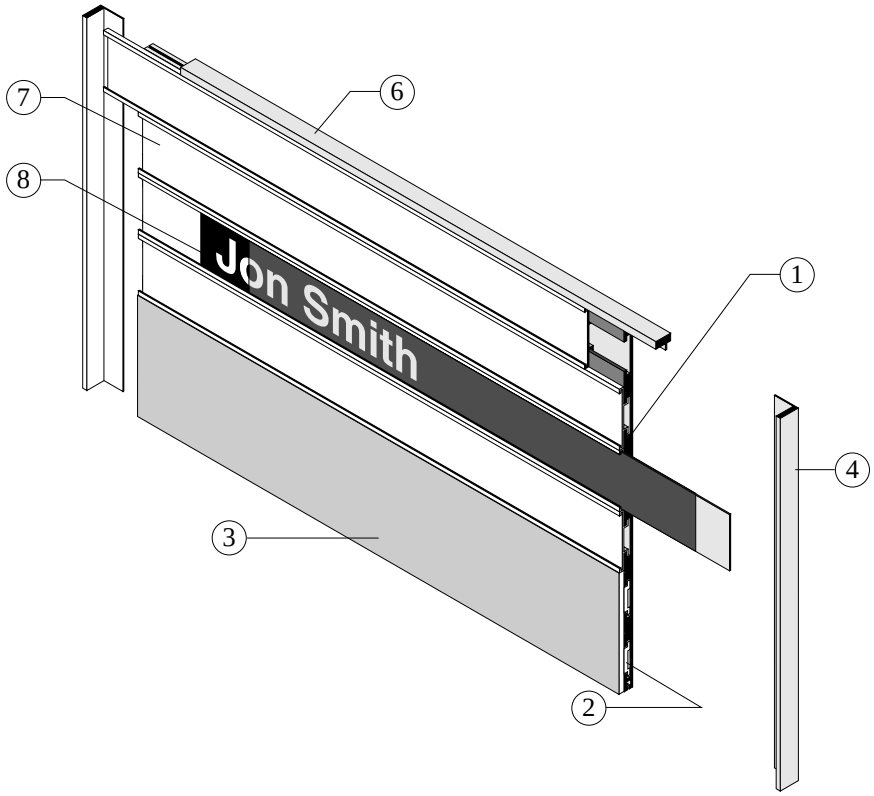
Detail 3

Sliding Rail Component System
Type IN05.1
Patient Room Sign

Comprised of the following components:
(see Detail 1 for descriptions of items 1-6)

7 Extruded Insert Holder with integral rail grooves for connection with Sliding Rail Back.

8 Paper Copy Insert behind a clear textured polycarbonate cover.



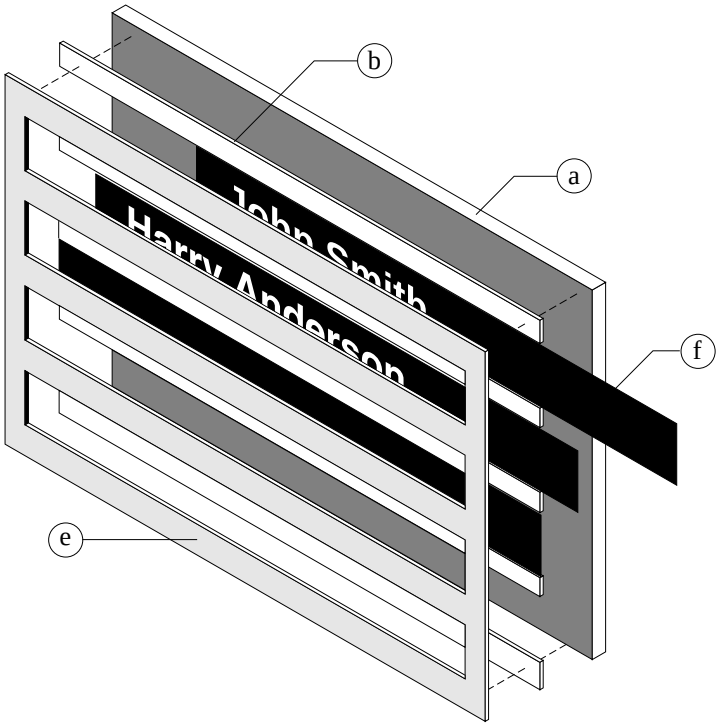
Detail 4

Acrylic System
Type IA05.1
Patient Room Sign

Comprised of the following components:
(see Detail 2 for descriptions of items a-b)

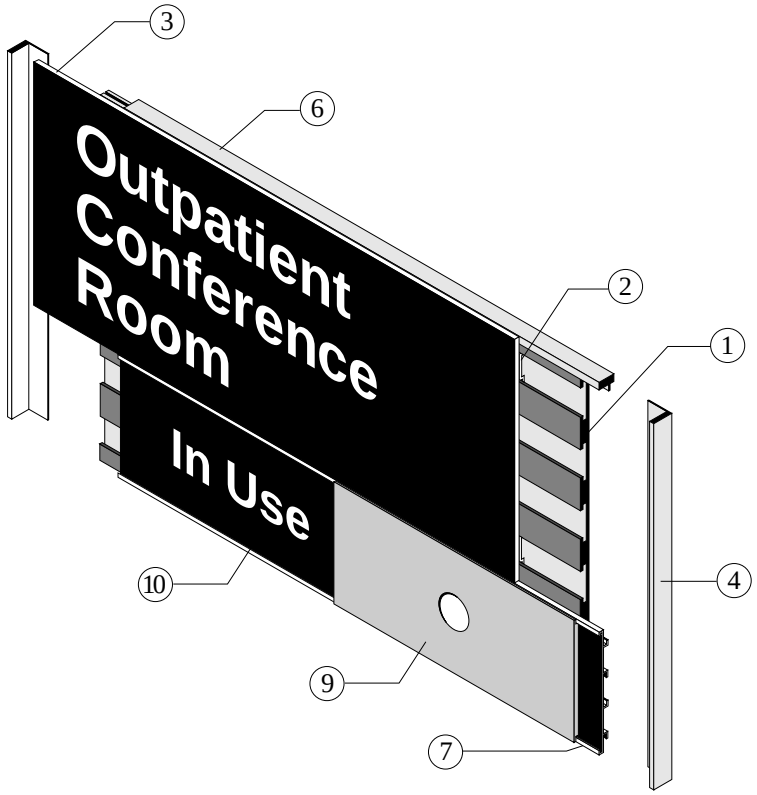
e Face Plaque made of non-glare, optically clear acrylic that will allow clear reading of the Copy Insert text. Windows are routed out of the Face Plaque.

f Paper Copy Insert



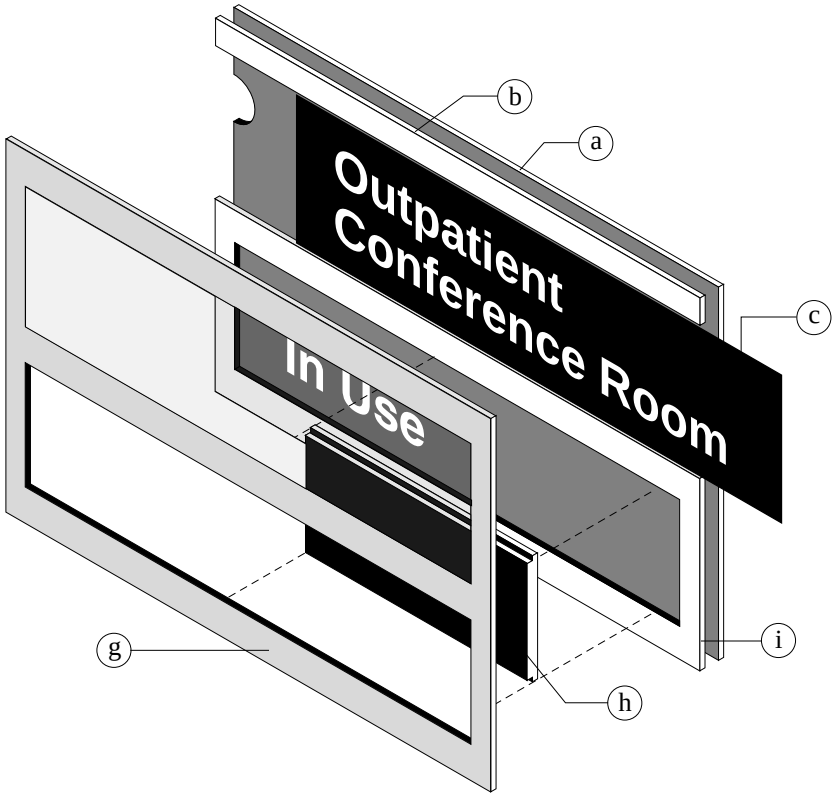
Detail 5

Component System
Type IN07.1
Conference, Exam or Treatment Room Sign
Comprised of the following components:
(see Details 1&3 for descriptions of items 1-7)
9 Slider mounts in the Insert Holder and slides horizontally.
10 Polycarbonate Insert with subsurface copy and color.



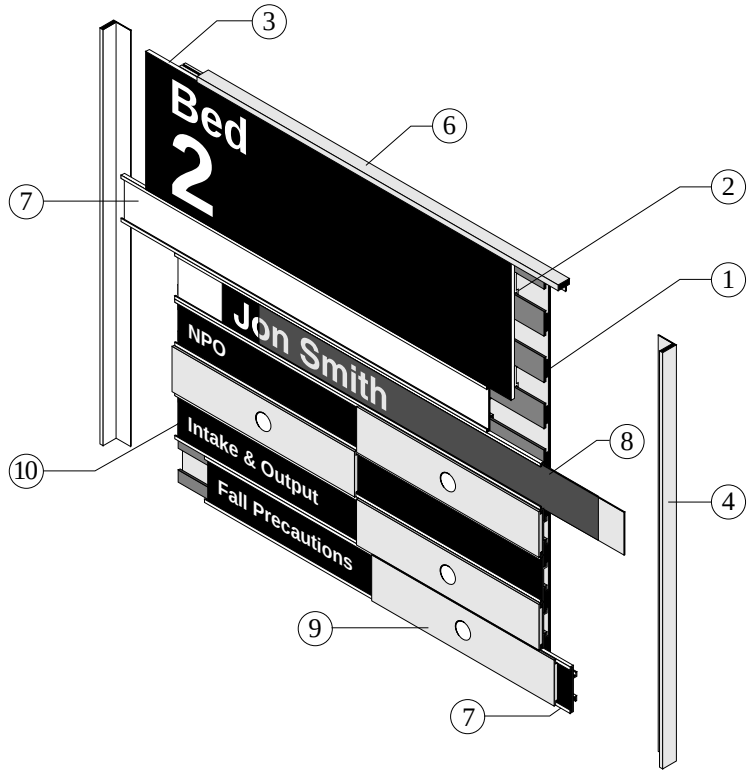
Detail 6

Acrylic System
Type IA07.1
Conference, Exam or Treatment Room Sign
Comprised of the following components:
(see Detail 2 for descriptions of items a-c)
g Face Plaque made of non-glare, optically clear acrylic that will allow clear reading of the Copy Insert text. Windows are created using two techniques; routing the window out of the Face Plaque and by applying a subsurface border to the Face Plaque.
h Slider is installed in routed out window of the Face Plaque.
i Spacer with routed out window to allow for Slider.



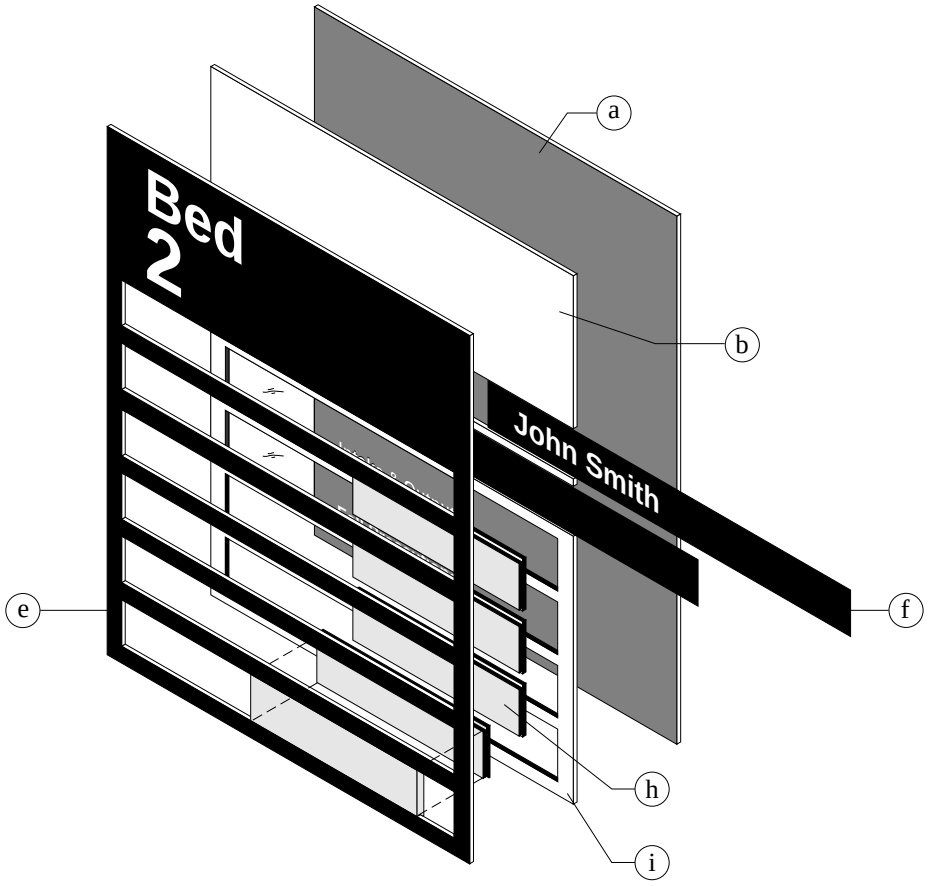
Detail 7

Component System
Type IN06.2
Patient Bed Sign
Comprised of the following components:
(see Details 1, 3 & 5 for descriptions of items 1-10)



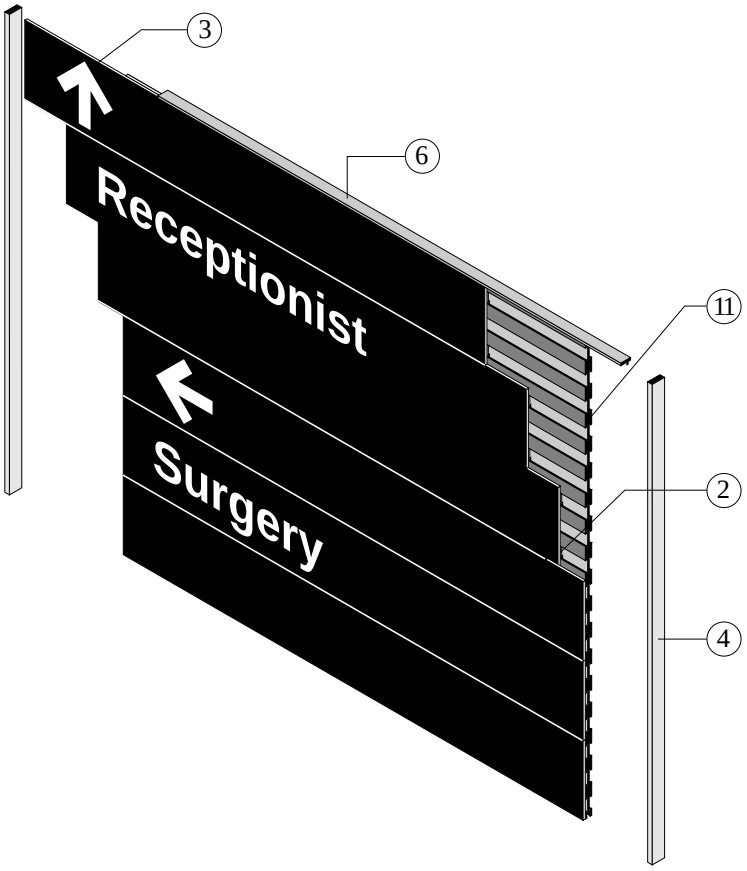
Detail 8

Acrylic System
Type IA06.2
Patient Bed Sign
Comprised of the following components:
(see Details 2, 4 & 6 for descriptions of items a-i)



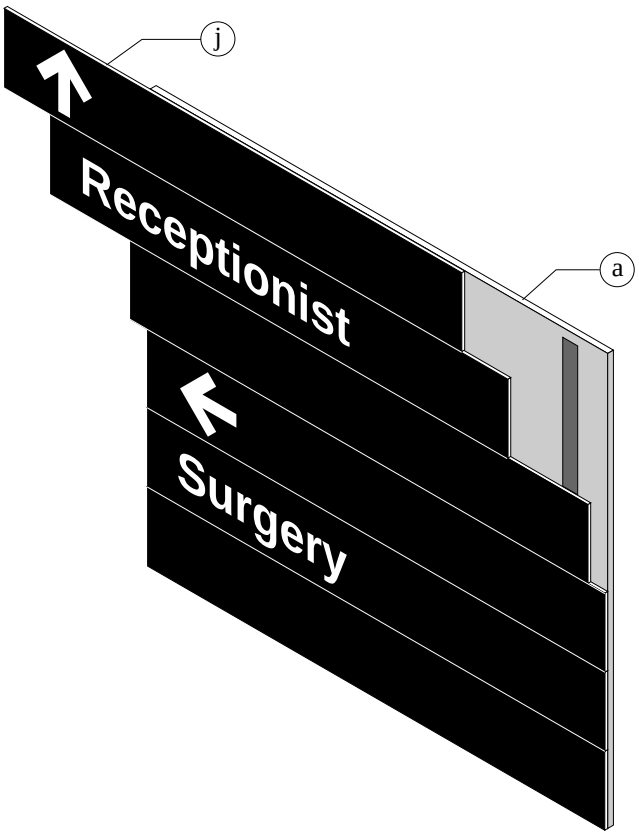
Detail 9

Component System
Type IN14
Wall Directional Sign
Comprised of the following components:
(see Detail 1 for descriptions of items 1-6)
11 A double sided Structural Rail Back Panel utilizing horizontal rails which are spaced to allow for uniform, modular sizing of sign types.



Detail 10

Acrylic System
Type IA14
Wall Directional Sign
Comprised of the following components:
(see Detail 2 for a description of item a)
j Copy Plaque made of non-glare, optically clear acrylic with second surface (sub-surface) applied color.

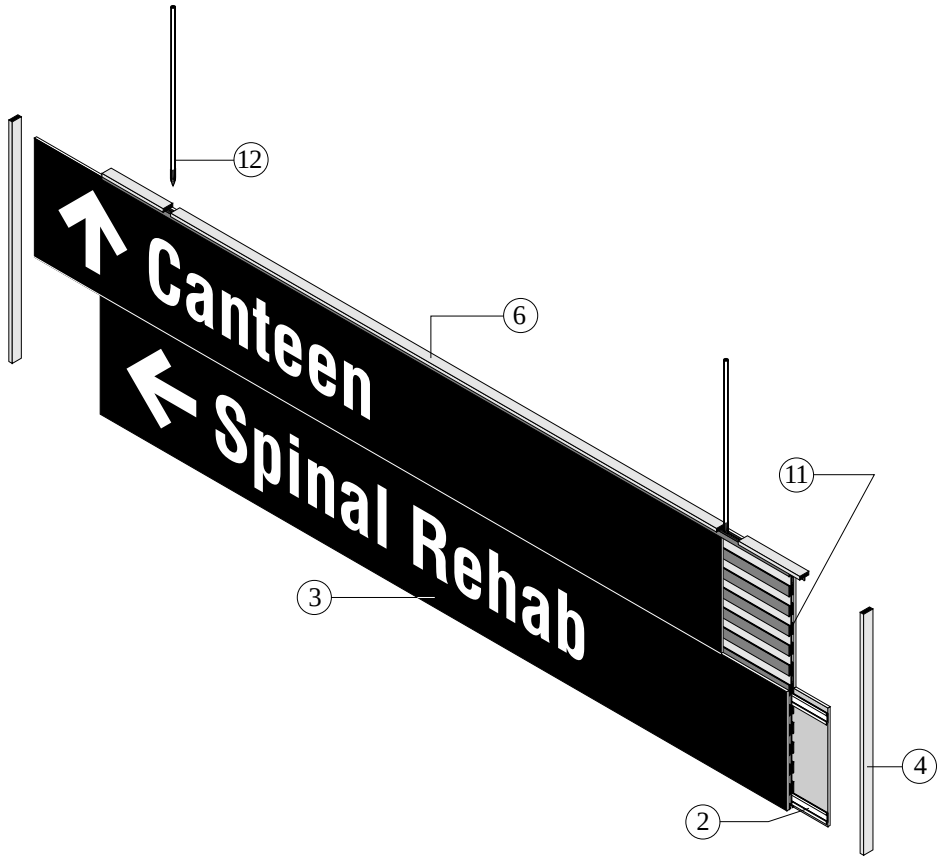


Detail 11

Component System
Type IN15 & IN16
Ceiling Mount Sign

Comprised of the following components:
(see Details 1, 9 for descriptions of items 1-6, 11)

12 A rod or braided stainless steel cable for attachment to the ceiling.



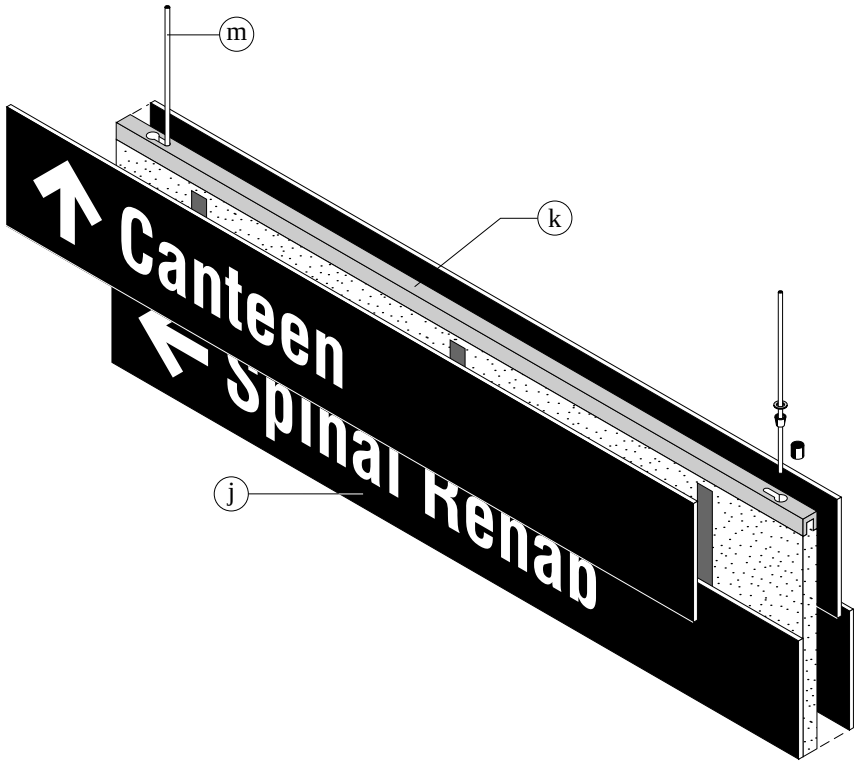
Detail 12

Acrylic System
Type IA15 & IA16
Ceiling Mount Sign

Comprised of the following components:
(see Detail 10 for a description of item j)

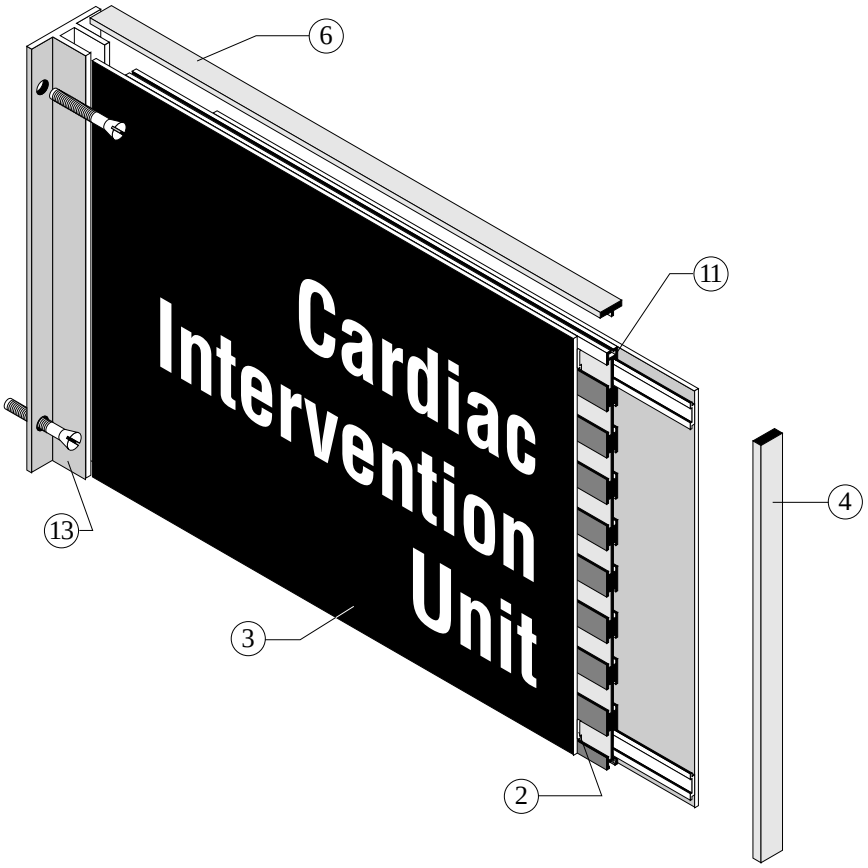
k A 20 mm (.75") rigid painted structural foam Sign Core with extruded aluminum hanging top rail painted to match sign face.

m A rod or braided stainless steel cable for attachment to the ceiling.



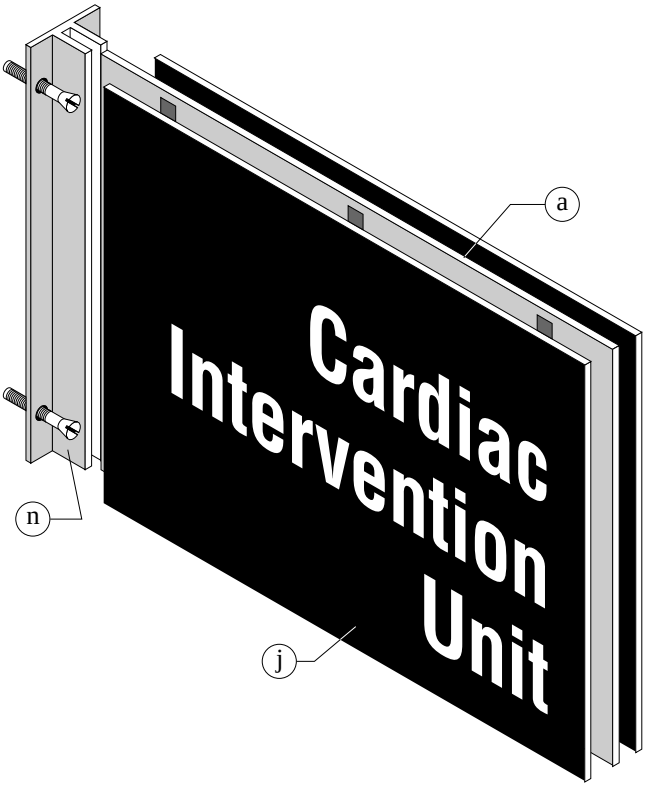
Detail 13

Component System
Type IN13
Perpendicular (flag) Mount Sign
Comprised of the following components:
(see Details 1, 9 for descriptions of items 1-6, 11)
13 Extruded aluminum Mounting Bracket.



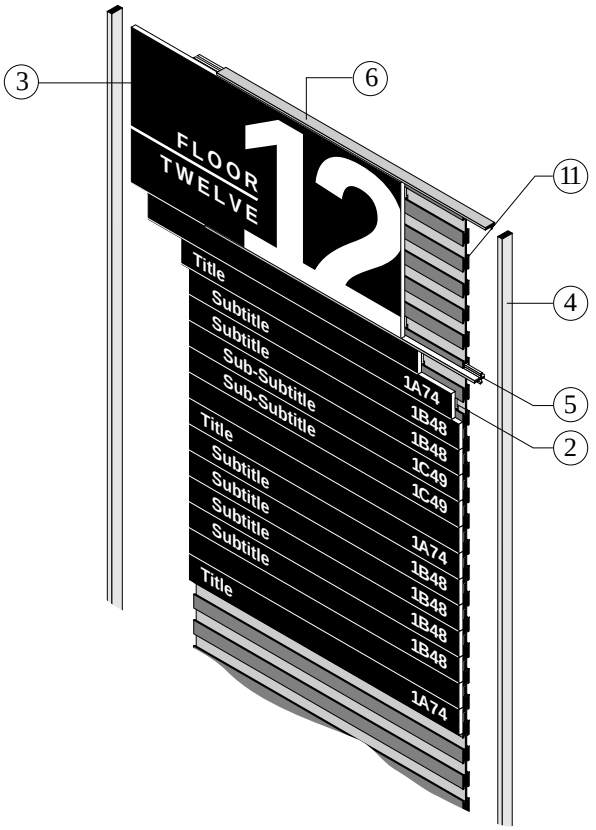
Detail 14

Acrylic System
Type IA13
Perpendicular (flag) Mount Sign
Comprised of the following components:
(see Detail 2, 10 for descriptions of items a & j)
n Extruded aluminum Mounting Bracket.



Detail 15

Component System
Type IN15
Directory
Comprised of the following components:
(see Details 1, 9 for descriptions of items 1-6, 11)



Detail 16

Acrylic System
Type IA16
Directory
Comprised of the following components:
(see Detail 10 for a description of item j)
o An extruded aluminum Directory Case Frame shaped to hold a hinged door and retain copy strips
p Extruded aluminum Door Frame shaped to hold gasketed double strength glass, hinge and fit within the Directory Case Frame. Door shall contain a key lock for closure.