ALAN WELLS
ASHLEY BROWN

DES 187

6.06.07

CALIFORNIA LIGHTING TECHNOLOGY CENTER

CLTC

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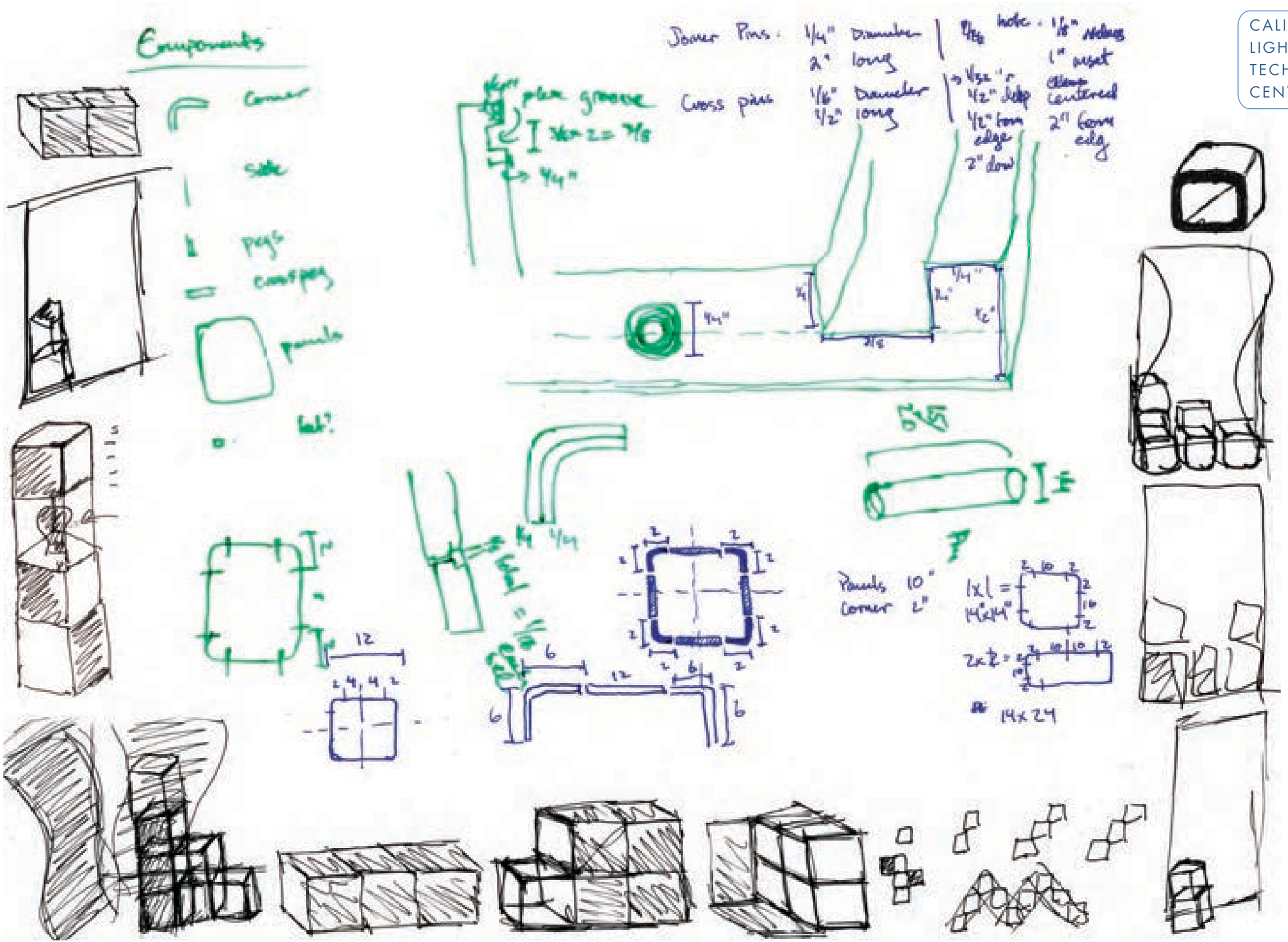
Alan Wells
Ashley Brown

CONCEPT SKETCHES:

Inital concept drawings exploring modular case system ideas, background panels, and refinement of case system components and details.

The goal was to address the CLTC need for a modular, flexible, moveable system that could accomodate a range of objects and information.



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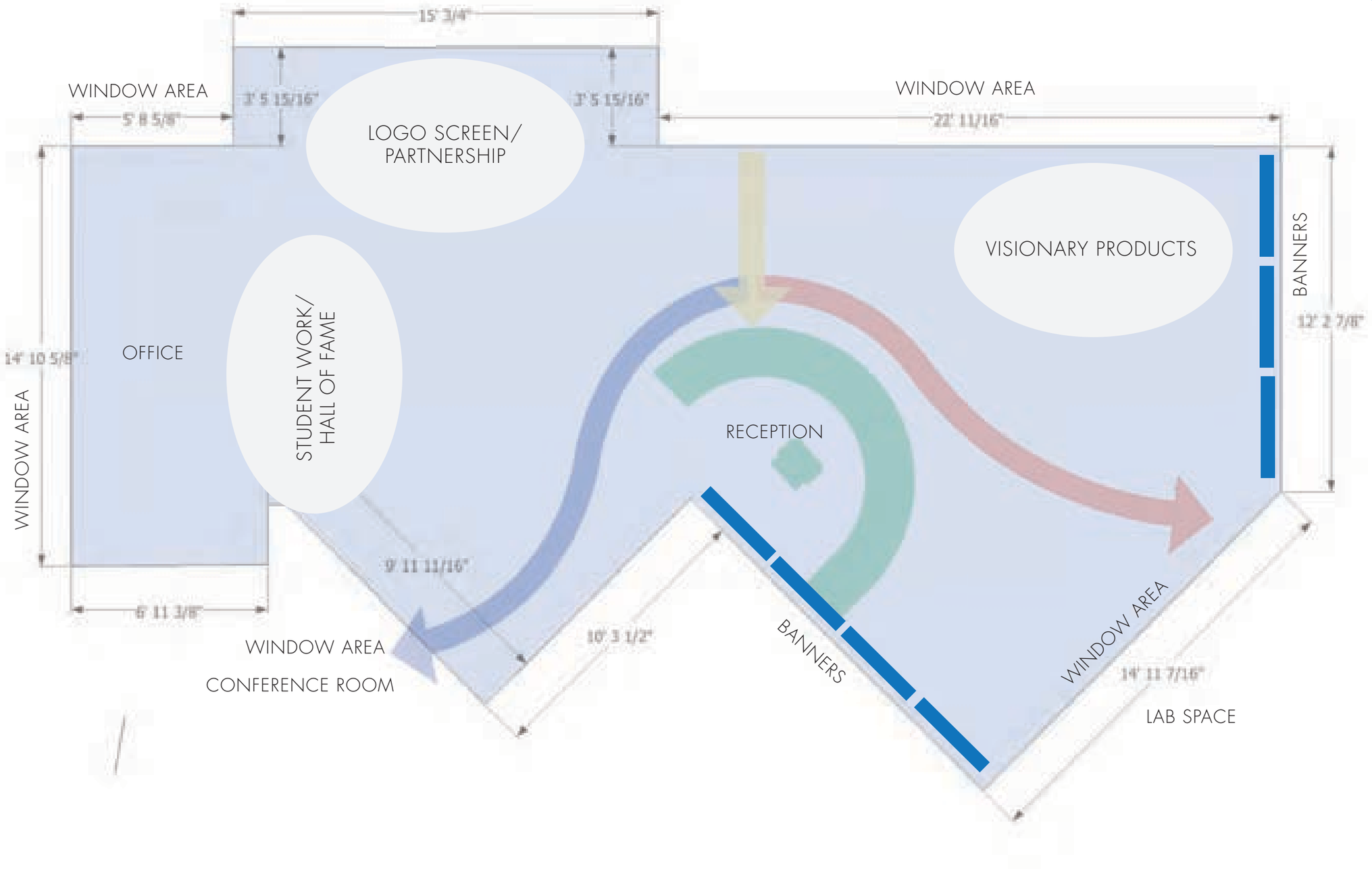

FLOORPLAN

In the floorplan we have divided the space into visionary products, reception desk, student work/ hall of fame, and logo screen or partnership wall. The light grey ovals indicate in general where these items or structures will be placed.

The dark blue rectangles indicate where the 7 banners we have already designed will go.

Panel Copy: Futura Standard Book

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Kicker: Eurostile Regular (2in Cap Height)

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNOPQRSTUVWXYZ

CLTC Logo: Copperplate (24in Cap Height)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

ABCDEFGHIJKLMNOPQRSTUVWXYZ

"Hi-Tech" Blue
C: 100%
M: 62%
Y: 0%
K: 26%

Process Black
C: 0%
M: 0%
Y: 0%
K: 100%

Pure White
C: 0%
M: 0%
Y: 0%
K: 0%

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TYPOGRAPHY and COLOR:

Futura is used for its link to the UC Davis brand.

Eurostile is chosen for it similarity of shape to the modular shelf system.

Copperplate used because of its existing use in CLTC branding.

9.5FT (CLTC WALL HEIGHT)

9FT

8FT

7FT

6FT

5FT

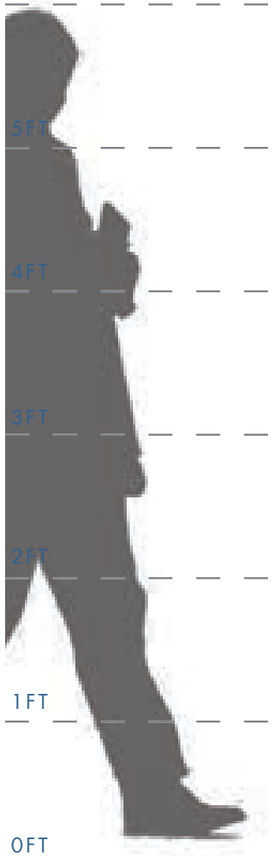
4FT

3FT

2FT

1FT

0FT



VISONARY PRODUCTS

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COMMERCIAL

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RESIDENTIAL

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TITLE LETTERS: 2IN tall

BANNER: 3FT x 9FT

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BANNER DESIGN:

Banners are 3FT x 9FT touching the base of the wall at the bottom and coming off the wall at a 6° angle.

At the top the panels are 10IN from the wall.

CLTC LETTERS: 2FT Tall

BANNER: 3FT x 9FT

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BANNER DESIGN: CLTC

4-piece banner design intended for wall behind reception desk.

Individual banners are 3FT x 9FT.

Banners reproduce the CLTC name, tagline and mission statement.

9.5FT (CLTC WALL HEIGHT)

9FT

8FT

7FT

6FT

5FT

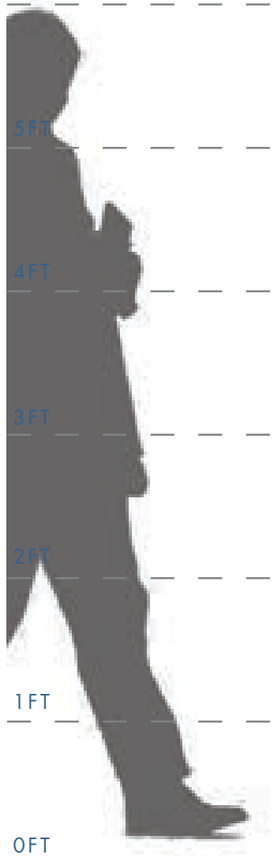
4FT

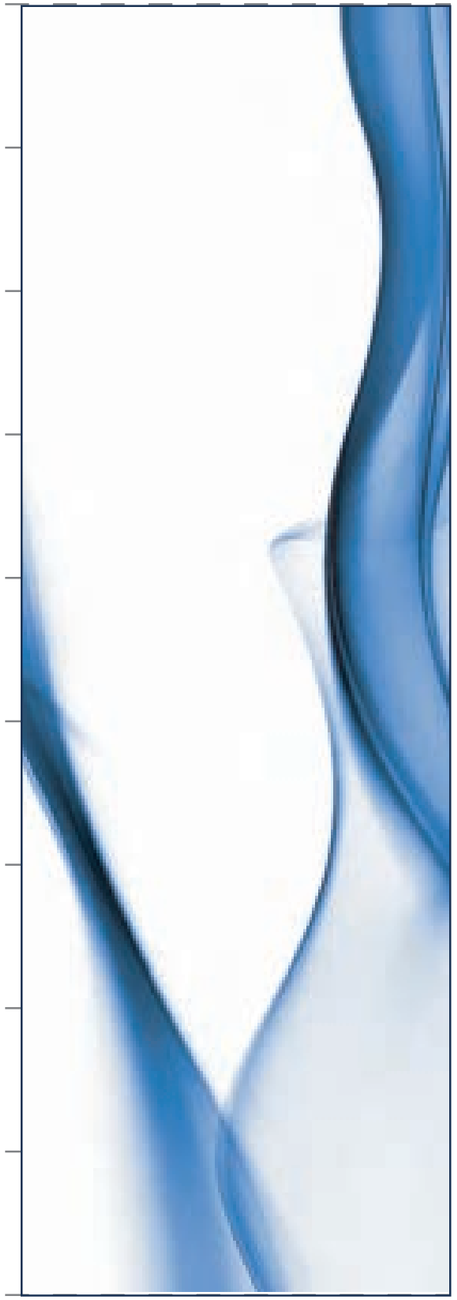
3FT

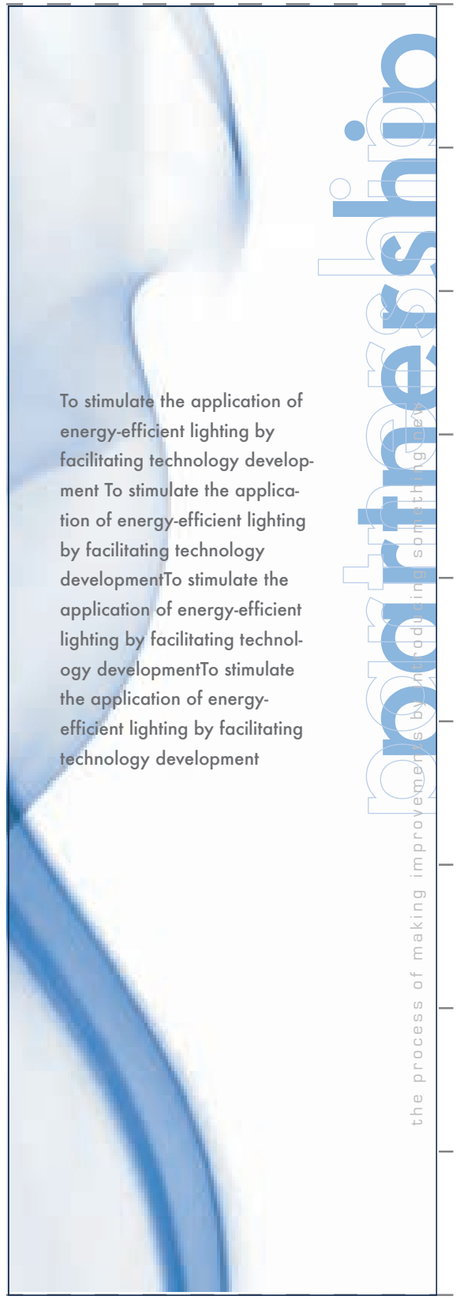
2FT

1FT

0FT







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BANNER DESIGN:

Studies for a Research, Innovation and Partnership banner series. Explored using a lighter color scheme to balance the dark blue in other areas of the lobby.

Individual banners are 3FT x 9FT.

HORIZONTAL BAR
2″ diameter
1/2″ diameter offset hole to accept insert bar
36″ long
Anodized aluminum

INSERT BAR
1/4″ diameter
36″ long
Stainless steel

VERTICAL BAR
1″ wide
2″ deep
108″ long
Anodized aluminum

FRAME BOLT
1/4in diameter
2 3/4in long
Hex head

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BANNER FRAME CONSTRUCTION:

Banner frames to built to hold a 9FT x 3FT fabric banner. Frames are mounted on the wall with an 8IN cantilever, creating an angle of 6° away from the wall. Visible parts of frame made of anodized aluminum to match case system, internal parts made of stainless steel for durability.

WALL MOUNT BANNER
1/4" diameter
36" long
Stainless steel

BANNER ATTACHMENT DETAIL

HORIZONTAL BAR
2" diameter
1/2" diameter offset hole to accept insert bar
36" long
Anodized aluminum

INSERT BAR
1/4" diameter
36" long
Stainless steel

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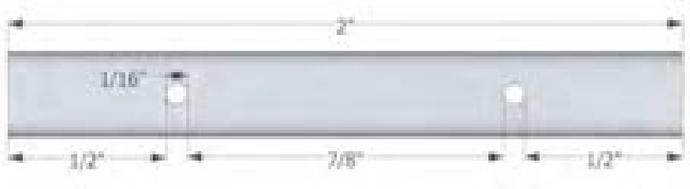
BANNER FRAME CONSTRUCTION:

Fabric banners will be mounted on the frame using a bar at each end pushed through folded and sew end of the banner. Fabric used will be a stretchable nylon/lycra blend, translucent enough to backlight if necessary.



JOINER PIN
1/4" Diameter
2" Long
Cross drilled for cotter pins

COTTER PIN
1/16" Diameter
1" Long
Stainless Steel

PANEL COMPONENT
12" tall
12" wide
1" thick Anodized aluminum
3/8" groove for insert panel

CASE INSERT
Width: 1/2" less than case width
Height: 1/2" less than case height
Thickness: 3/8"
Various materials
(Aluminum and plexiglass shown)

CORNER COMPONENT
12" tall
6" wide
6" deep
1" corner radius
1" thick Anodized aluminum
3/8" groove for insert panel

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MODULAR CASE SYSTEM:

Components of the modular case system, based on 1FT x 1FT increments. Corner pieces and panel pieces can be combined to build a variety of cases sizes. Cases can be left plain or fitted with inserts. Cases held together using double pin system.

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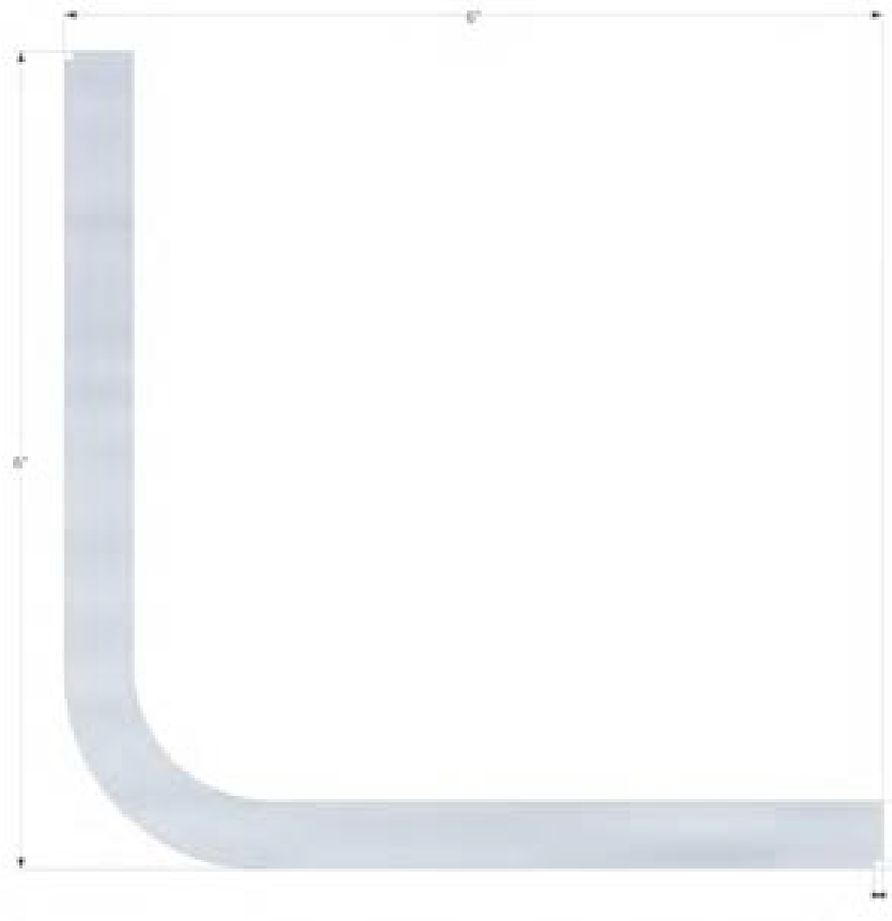

TOP ELEVATION
Note 1/16" reveal machined
at outside edges of panel joints

FRONT ELEVATION
Note 3/8" groove machined on
top and bottom to allow for insertion
of case panels, holes for pins to join
panels together.

BACK ELEVATION

CORNER COMPONENT:

Dimensions and measurements for the corner piece of the modular system. Four of these can be used to create the smallest 1FTx1FT pedestal or table.

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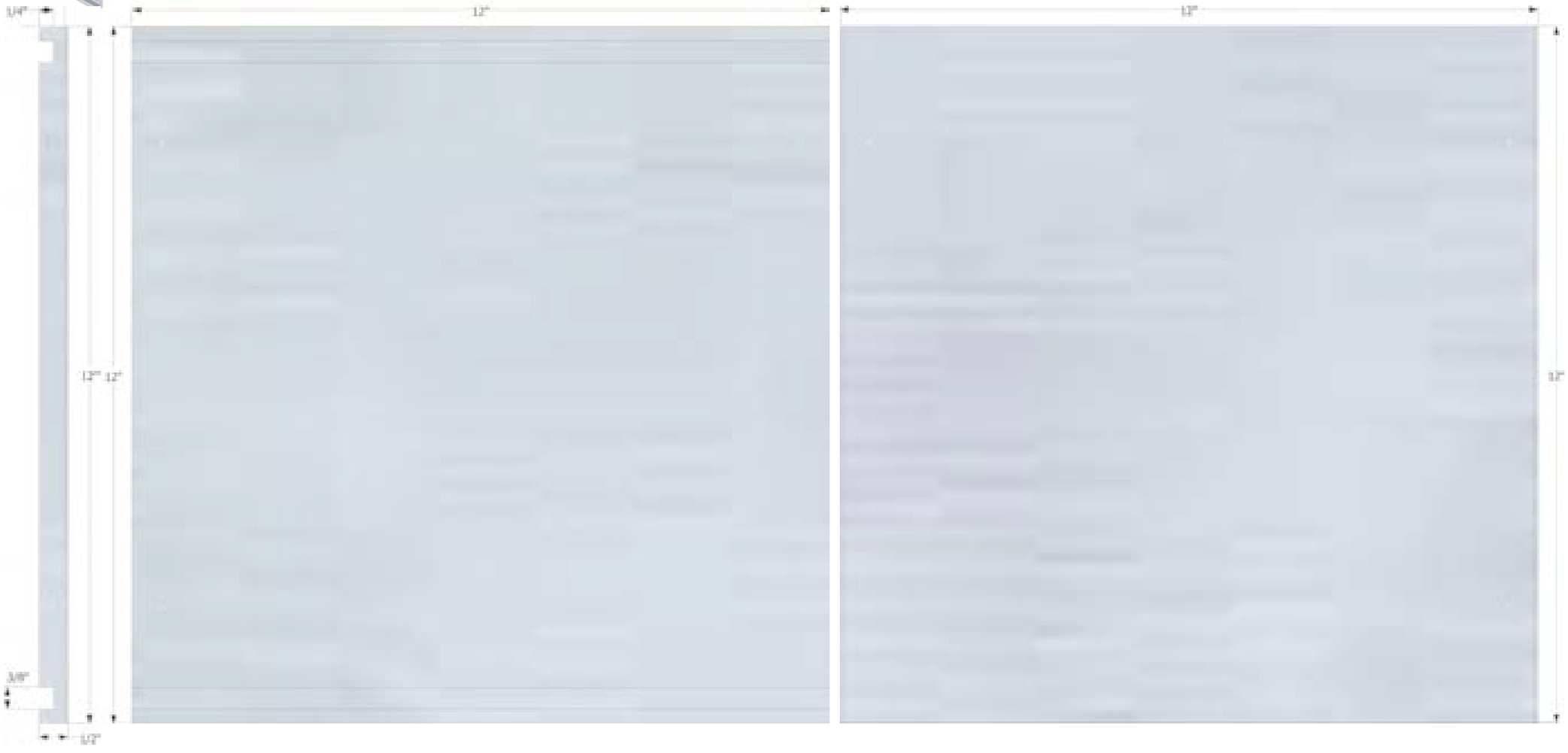
TOP/BOTTOM ELEVATION
Note 1/16" reveal machined at outside edges of panel joints.



SIDE ELEVATION
Note 3/8" groove machined on top and bottom to allow for insertion of case panels, holes for pins to join panels together.

BACK ELEVATION
Note 3/8" groove machined on top and bottom to allow for insertion of case panels. Holes are for cotter pins to securely join panels.

FRONT ELEVATION
Note holes for cotter pins to securely join panels.

PANEL COMPONENT:

These 1FT panels can be used to extend the the case system to a variety of sizes.

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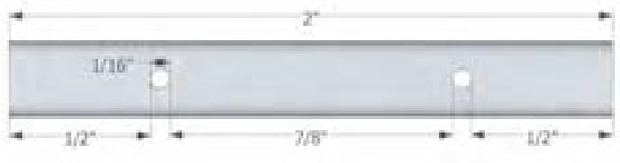
PANEL COMPONENT

CORNER COMPONENT

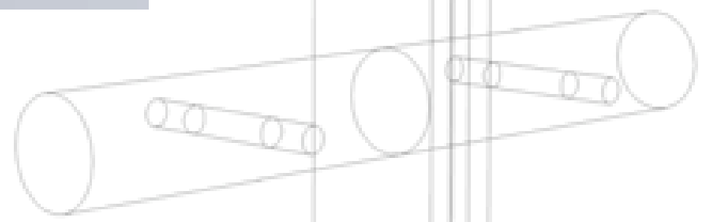


JOINER PIN

1/4" Diameter
2" Long
Cross drilled for cotter pins

COTTER PIN

1/16" Diameter
1" Long
Inserted perpendiuclar
to panels.



INTERNAL WIREFRAME VIEW

Panel and corner push together to hide large internal pin.

PIN SYSTEM DETAIL:

Panels and corner pieces are held together using a hidden double pin system. Any load on the case is supported by the large hidden pin in the middle, which is stabilized by perpendicular cotter pins. Removable and quick to assemle, this system allows for an aesthetically pleasing but flexible case system.

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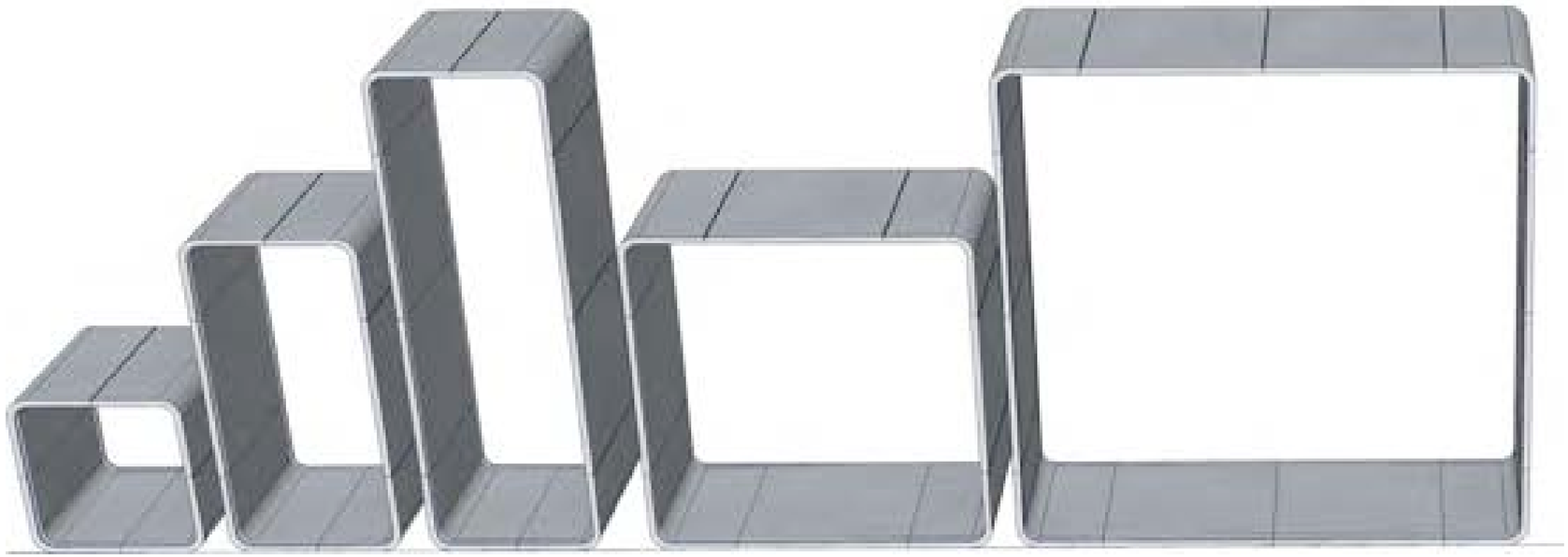


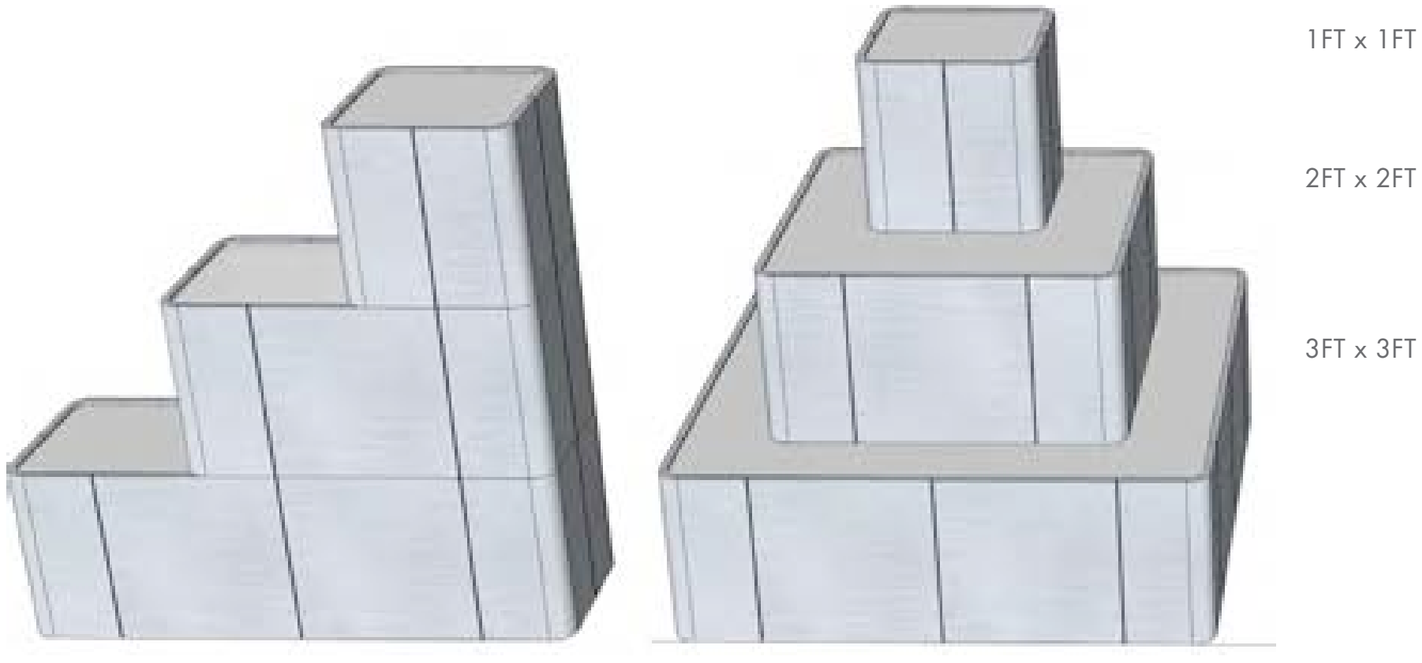
1FT x 1FT 1FT x 2FT 1FT x 3FT 2FT x 2FT 3FT x 3FT

PEDESTAL ORIENTATION

Shown without inserts, plexiglass, aluminum and other inserts possible.

CASE FAMILY:

A few examples of the variety of shapes and sizes this case system can be adapted to. Pedestal and table configurations are possible, with our without inserts.



1FT x 1FT

2FT X 1FT

3FT x 1FT

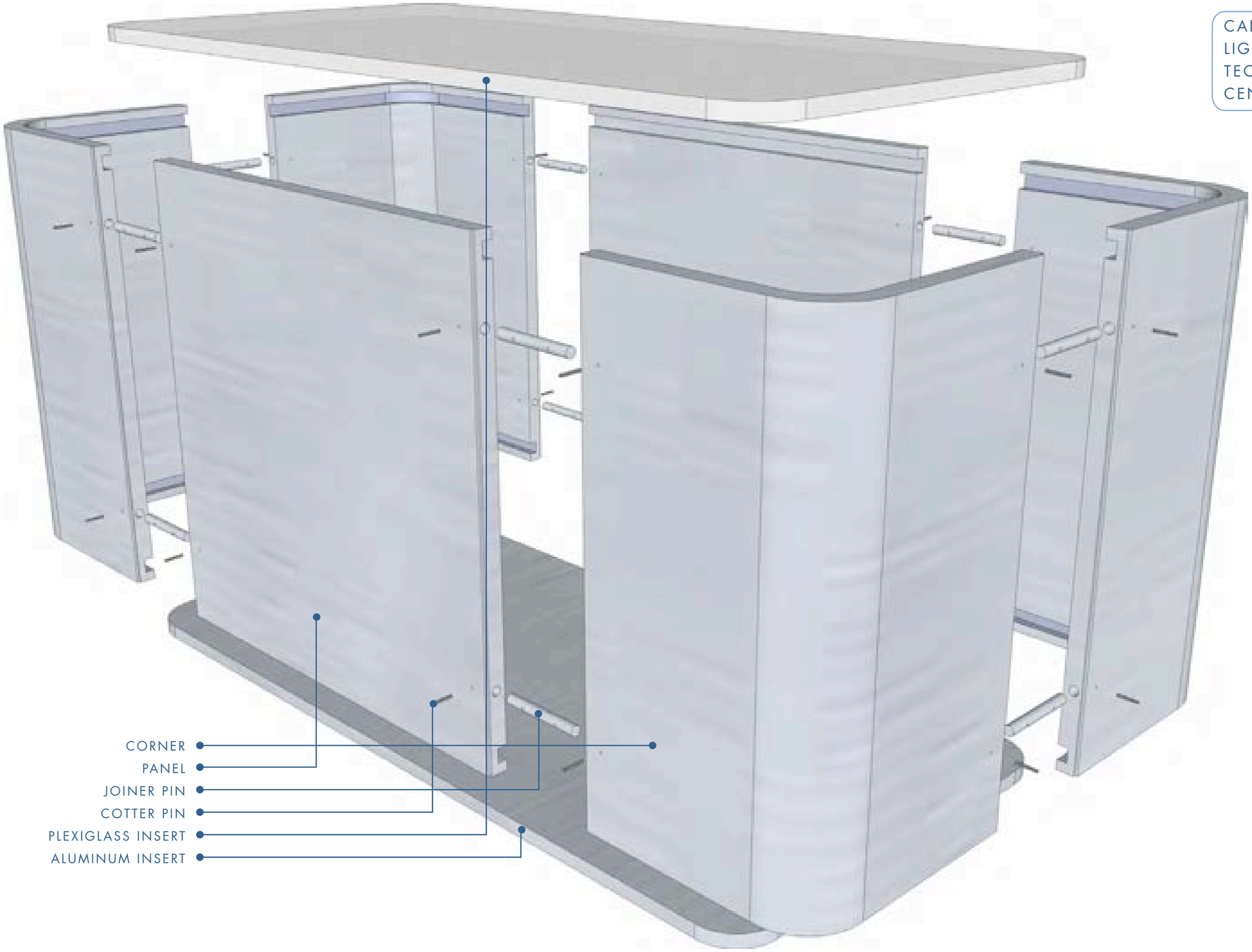
1FT x 1FT

2FT x 2FT

3FT x 3FT

TABLE ORIENTATION

Shown with plexiglass insert, interchangeable with and other materials. Internal lighting could be applied to create glowing tabletop.



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CASE EXAMPLE: 1FT X 2FT

Parts needed for assembly:

4x Corner

2x Panel

12x Joiner Pins

24x Cotter Pins

1x Plexiglass insert

1x Aluminum insert

819 Series LED Task Light Prototype

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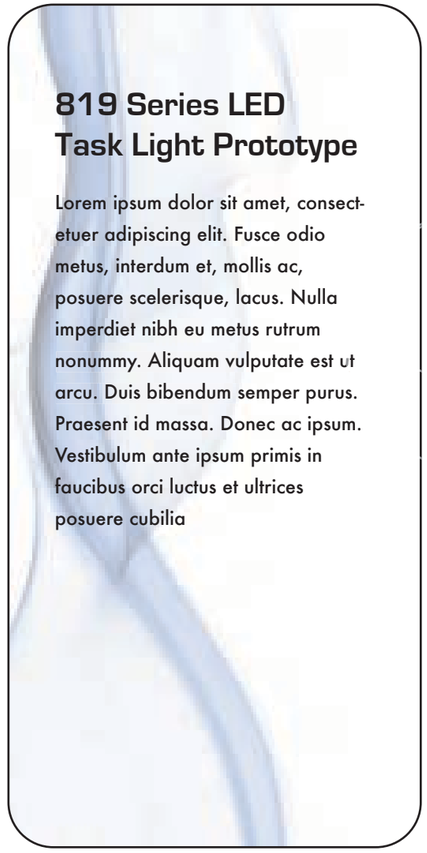

819 Series LED Task Light Prototype

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819 Series LED Task Light Prototype

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TYPOGRAPHY SPECIFICATIONS:
Kicker - 68pt / 0.6 IN Cap Height
Copy - 38pt / 0.36 IN Cap Height

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INSERT PANEL GRAPHICS:

These panel graphics explore the numerous ways that type treatments displaying information and graphics can be applied to different panels.

These panels could be placed on the front of a case and could be lit from behind. A graphic only panel could be placed at the back of a case with an object in front.

819 Series LED Task Light Prototype

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11.5 IN

23.5 IN

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CASE INSERTS:
1FT X 2FT

INSERT OPTIONS:
Black text on white background (vertical)

Black text on light graphic (vertical)

White text on blueprint background (vertical)

White text on blueprint background (horizontal)

Dark blue graphic, no text (horizontal)

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IN SITU REPRODUCTION

Visionary Products: Commercial and Residential. An explanation of the how CLTC and thei partners produce cutting edge technologies for various markets.

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MATERIALS:

Banners made from a Nylon/Lycra blend that is digitally printable. Due to its light weight, it can also be lit from behind.

Modular pedestals made of brushed aluminum will pickup the highights of the lighting in the room.

Panel inserts made from plexiglass for ease of construction and possibility of backlighting.

Modular Pedestals
Material: Machined Aluminum
Surface: Anadized
Finish: Clear Coat

Panel Inserts
Material: Frosted Plexiglass
Lettering: Adhesive

Printed Banners
Material: Nylon/Lycra Blend
Printing: Dye Sub
Mount: Anadized Aluminum Extrusion