SYSTEMS

WALLS | COLUMNS | LIGHTPLANE | ELEVATOR INTERIORS
ELEVATOR DOORS | DOORS | INFORMATION DISPLAYS

offices worldwide | 800.451.0410 | 412.781.9003 | www.forms-surfaces.com
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INTRO

Whether used for small entry areas or grand public lobbies, our wall cladding systems give you a framework for realizing your most imaginative design ideas. Variable panel sizes and shapes, extensive material options from the F+S Surfaces library, and precisely engineered components make it easy to meet diverse performance criteria, resolve trim and installation challenges, and create high-impact wall cladding designs without the need for custom solutions.
The LEVELe Wall Cladding System blends remarkable design flexibility with the convenience of a panelized system. Aluminum-framed panels with structural backing and decorative insets form the basis of the system. Panel frames incorporate LEVELe's wall panel attachment system; panel insets draw from our vast Surfaces line-up. Four highly configurable panel styles provide different visual end results and support different material selections. Third-party inset materials and LightPlane Panels are also an option. Bases and interior and exterior corners complete the system.

Individual LEVELe panels can be installed or removed independently, simplifying maintenance or panel replacement. The LEVELe Wall Cladding System coordinates with our LEVELe Column System and LEVELe Elevator Interiors.

Shrewsbury Executive Center I & II, Shrewsbury, New Jersey | Left
LEVELe Wall Cladding System with Capture panels in Bonded Bronze with Natural Patina and Kalahari pattern

The Center for Care and Discovery, University of Chicago Medicine, Chicago, Illinois | Opposite
LEVELe Wall Cladding System with Float panels in Stainless Steel with Linen finish

Austin-Bergstrom International Airport, Austin, Texas | Previous
LEVELr Wall Cladding System with panels in ViviChrome Chromis glass with custom color interlayer and Opalex finish
Mission City Corporate Center, San Diego, California | Bottom
LEVELe Wall Cladding System with Blind Panels in ViviChrome Chromis glass with custom color interlayer; and LEVELe-105 Elevator Interior

2M Street - NoMa Apartments, Washington, D.C. | Right
LEVELe Wall Cladding System with Capture panels in custom wood veneer

MoZaic, Minneapolis, Minnesota | Opposite
LEVELe Wall Cladding System with Capture panels in Bonded Quartz, White, with Crinkle pattern
Bank of America Plaza, Nashville, Tennessee | Left
LEVELe Wall Cladding and Column Systems with Capture Panels in ViviChrome Chromis glass with White Interlayer and Opalex finish

Oakbrook Office North, Oak Brook, Illinois | Opposite
LEVELe Wall Cladding System with LightPlane Panels in ViviStone White Onyx glass with Pearlex finish; column in Stainless Steel with Linen finish
NAV Consulting, Oakbrook Terrace, Illinois | Left
LEVELe Wall Cladding System with Blind panels in ViviChrome Scribe glass with Ultra White interlayer and Standard finish

NAV Consulting, Oakbrook Terrace, Illinois | Top
LEVELe Wall Cladding System with Blind panels in ViviChrome Scribe glass in magnetic configuration with Ultra White interlayer and Standard finish

NAV Consulting, Oakbrook Terrace, Illinois | Opposite
LEVELe Wall Cladding System with Capture panels in Bonded Aluminum with Dark Patina and Loft pattern, and Blind panels in Stainless Steel with Diamond finish
Shift Apartments, San Diego, California | Left & Bottom
LEVELe Wall Cladding System with Minimal panels in ViviGraphix Gradiance glass with Vapor pattern interlayer in custom colors and Standard finish

Private Location, Washington, D.C. | Opposite
LEVELe Wall Cladding System with Blind panels in ViviChrome Chromis glass with White interlayer and Standard finish, ViviGraphix Graphica glass with Centene interlayer in custom color and Standard finish, and Stainless Steel with custom finish
Nationwide Children's Hospital - Research Building III, Columbus, Ohio | Left
LEVELe Wall Cladding System with Blind panels in ViviSpectra Spectrum glass with custom image interlayer and Standard finish

Phoenix Sky Train, Phoenix Sky Harbor International Airport, Phoenix, Arizona | Opposite
LEVELe Wall Cladding System with Float panels in Stainless Steel with Sandstone finish and Dallas Impression pattern, and custom painted aluminum
LEVELe WALL CLADDING SYSTEM

MINIMAL PANELS
Minimal panels have a narrow frame detail, forming a minimal appearance around the inset material.

CAPTURE PANELS
Capture panels accommodate thicker, heavier materials, such as glass, that require a frame with a capture edge.

BLIND PANELS
The Blind panel framing system is not visible from the front of the panel, helping to create the illusion of material thickness.

FLOAT PANELS
Float panels incorporate a non-visible framing system that leaves panel edges exposed.
LEVELe WALL CLADDING SYSTEM

**MINIMAL PANELS**

Minimal panels have a narrow frame detail, forming a minimal appearance around the inset material.

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**F+S recommends**

- **3/4" Plywood Substrate**

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**Dimensions**

- **1.258 in (32mm)**
- **.38 in (9.7 mm)**
- **3.94 in (1.1 cm)**
CAPTURE PANELS
Capture panels accommodate thicker, heavier materials, such as glass, that require a frame with a capture edge.

WALL CLADDING

3/4” Plywood Substrate

F+S recommends 3/4” Plywood Substrate
LEVELe WALL CLADDING SYSTEM

BLIND PANELS
The Blind panel framing system is not visible from the front of the panel, helping to create the illusion of material thickness.
FLOAT PANELS
Float panels incorporate a non-visible framing system that leaves panel edges exposed.

SECTION VIEW

FRONT VIEW

WALL REVEAL CLEAT EXTRUSION DETAIL

REVEAL DETAIL
FRONT VIEW

TOP CLEAT EXTRUSION DETAIL

BASE DETAIL
FRONT VIEW

BASE CLEAT EXTRUSION DETAIL

F+S recommends
3/4” Plywood Substrate
LEVELr WALL CLADDING SYSTEM

LEVELr is a sophisticated wall cladding system that pairs a frameless panel aesthetic with extensive material options. Smartly detailed at every turn, LEVELr makes it easy to create high-end design statements without resorting to custom solutions.

Panels accommodate many F+S Surfaces without a visible framing element. Narrow reveals between panels keep the installed look clean. For added refinement, optional 1/8" proud stainless steel fins can be incorporated between panels and/or at wall perimeters—a detail unique to LEVELr that lends an exquisite finish. Bases and inside and outside corners expand the customization potential. In addition, the system’s 2" depth provides room to manage wiring, electronics and air flow between the wall and panel backs.

Individual LEVELr panels can be installed or removed independently, simplifying maintenance or panel replacement. The LEVELr Wall Cladding System coordinates with our LEVELr Column System.

LEVELr Wall Cladding System with panels in ViviSpectra VEKTR glass with custom image interlayer and Pearlex+ finish, and reveal fins in stainless steel | Left & Opposite
LEVELr Wall Cladding System with panels in ViviChrome Chromis glass with custom color interlayer and Pearlex+ finish and Stainless Steel with Seastone finish, and reveal fins in stainless steel | Top, Right & Opposite
Austin-Bergstrom International Airport, Austin, Texas

LEVELr Wall Cladding System with panels in ViviChrome Chromis glass with custom color interlayer and Opalex finish, and custom reveal fins in black; upper-level corridor with ViviGraphix Gradiance glass with Vapor pattern interlayer and Standard finish.
Frost Tower, San Antonio, Texas  | Top, Right & Opposite
LEVELr Wall Cladding System with panels in ViviStrata Layers glass with custom etched pattern and Standard finish, and reveal fins in stainless steel
LEVELr WALL CLADDING SYSTEM

WALL SYSTEM WITH FINS

- WALL REVEAL FIN DETAIL
- REVEAL DETAIL FRONT VIEW
- BASE DETAIL FRONT VIEW
- FRONT VIEW

**TOP CLEAT & PERIMETER FIN DETAIL**
- Panel Top Cleat
- Panel Face
- Perimeter Fin
- Dual Lock
- Wall Top Cleat
- F+S recommends 3/4" Plywood Substrate

**WALL REVEAL FIN DETAIL**
- Panel Face
- Panel Bottom Cleat
- Reveal Fin
- Reveal Fin Grip
- Revealing Mounting Extrusion
- Wall Top Cleat
- Wall Bottom Cleat

**RECESSED BASE & PERIMETER FIN DETAIL**
- Panel Face
- Panel Bottom Cleat
- Perimeter Fin
- Dual Lock
- Perimeter L-Channel
- Base Extrusion

**Panel Top Cleat**
- Panel Face
- Wall Top Cleat
- Top Cleat

**Panel Bottom Cleat**
- Panel Face
- Wall Bottom Cleat
- Bottom Cleat

**Base Extrusion**
- Panel Face
- Wall Bottom Cleat

**Perimeter L-Channel**
- Panel Face
- Wall Bottom Cleat

**Perimeter Fin**
- Panel Face
- Wall Bottom Cleat

**Base Facing**
- Panel Face
- Wall Bottom Cleat

**.375 in (9.525 mm)**
- Panel Top Cleat
- Reveal Fin Grip
- Perimeter Fin
- Wall Top Cleat

**2 in (5.08mm)**
- Panel Top Cleat
- Reveal Fin Grip
- Perimeter Fin
- Wall Top Cleat

**.375 in (9.525 mm)**
- Panel Top Cleat
- Reveal Fin Grip
- Perimeter Fin
- Wall Top Cleat
A. Base Facing
B. Wall Panel
C. Top Cleat
D. Bottom Cleat
E. Base Extrusion
F. Outside Corner
G. Inside Corner
Columns can make a statement of their own or complement other architectural features. Engineered to accommodate real-world field conditions, Forms+Surfaces columns give you a wide range of material and finish options, maximum design versatility, and numerous ways to meet project-specific requirements for columns of many shapes and sizes.
Pairing the benefits of a panelized system with diverse material options, the LEVELe Column System is appropriate for square and rectangular column shapes.

The LEVELe Column System is assembled using a series of individual panels whose sizes and shapes can vary depending on project requirements. Aluminum panel frames incorporate LEVELe’s panel attachment system; panel insets draw from our full Surfaces line-up. Third-party inset materials and LightPlane Panels are options as well. Bases and outside corners complete the system, and, like the panels, have sufficient tolerances built in to accommodate many site and dimensional irregularities.

The LEVELe Column System coordinates with our LEVELe Wall Cladding System and LEVELe Elevator Interiors.
140 Broadway, New York, New York | Left
LEVELe Column System with LightPlane Panels in ViviChrome Chromis glass with White interlayer and Opalex finish, and Blind panels in aluminum with custom powdercoat color

Bank of America Plaza, Nashville, Tennessee | Top & Opposite
LEVELe Column System with Capture panels in ViviChrome Chromis glass with White interlayer and Opalex finish
LEVELe COLUMN SYSTEM

COLUMN SYSTEM DETAILS - MINIMAL PANELS SHOWN
All LEVELe panel types are available. See pages 14-17 for details.

BASE DETAIL - FRONT VIEW

0.38 in (9.7mm)

SECTION VIEW
FRONT VIEW

TOP CLEAT EXTRUSION DETAIL
COLUMN REVEAL CLEAT EXTRUSION DETAIL
BASE CLEAT EXTRUSION DETAIL

F+S recommends 3/4" plywood substrate

Panel Face
Minimal Panel Frame
Hat Channel Extrusion
Top Cleat Extrusion
Reveal Tape
Column Reveal Cleat Extrusion
Reveal Tape
Minimal Panel Frame
Minimal Panel Frame
Base Cleat Extrusion
Base Facing
A. Base Facing  
B. Column Panel  
C. Reveal Tape  
D. Top Cleat Extrusion  
E. Column Reveal Extrusion  
F. Base Cleat Extrusion  
G. Perimeter L-Channel  
H. Outside Corner Extrusion
LEVELr COLUMN SYSTEM

The LEVELr Column System carries the frameless panel aesthetic of the LEVELr Wall Cladding System into a column format for square and rectangular column shapes.

LEVELr column panels accommodate many F+S Surfaces without a visible framing element. Narrow reveals between panels keep the installed look clean. For added refinement, optional 1/8" proud stainless steel fins can be incorporated between panels and/or at column perimeters—a detail that lends an exquisite finish. Bases and outside open and closed corners expand the customization potential. The system’s 2” depth provides room to manage wiring, electronics and air flow between the column substrate and the panel backs.

The LEVELr Column System coordinates with our LEVELr Wall Cladding System.

Austin-Bergstrom International Airport, Austin, Texas | Left & Opposite
LEVELr Column System with insets in ViviChrome Chromis glass in custom color interlayer, and custom reveal fins in black
LEVELr COLUMN SYSTEM

COLUMN SYSTEM WITH FINS
A. Base Facing
B. Column Panel
C. Perimeter Fin
D. Reveal Fin
E. Reveal Fin Grip
F. Reveal Fin Mounting Extrusion
G. Top Cleat
H. Bottom Cleat
I. Base Extrusion
J. Perimeter L-Channel
K. Outside Corner
LEVELr COLUMN SYSTEM

COLUMN SYSTEM WITHOUT FINS

REVEAL DETAIL
FRONT VIEW

COLUMN REVEAL
DETAIL

FLUSH BASE
DETAIL

TOP CLEAT
DETAIL

COLUMN TOP CLEAT

F+S recommends
3/4" Plywood Substrate

Panel Face

Panel Top Cleat

Panel Top Cleat

Panel Face

Panel Face

Panel Bottom Cleat

Panel Bottom Cleat

Column Top Cleat

Column Bottom Cleat

Base Facing

Base Shimming
(by others)

Dual Lock

.25 in
(6.35 mm)

2 in
(5.08 mm)

4.0625 in
(10.3 mm)

.25 in
(6.35 mm)

.25 in
(6.35 mm)
A. Base Facing
B. Column Panel
C. Top Cleat
D. Bottom Cleat
E. Base Cleat Extrusion
F. Outside Corner
LEVELc COLUMN SYSTEM

The LEVELc Column System is a durable, versatile solution for cladding existing structural columns.

Offering impressive design flexibility, the system consists of column covers in stainless steel and Fused Metal, each in a wide range of finishes and patterns. Coordinating bases and other trim elements round out the options.

The LEVELc Column System is expertly engineered and tailored per project to suit real-world field conditions. It can be adapted for a wide range of performance and site-specific criteria, used with round, square, elliptical or irregularly shaped columns, and is a great way to complement other architectural elements within a space.
426 West Lancaster Avenue, Devon, Pennsylvania | Left
LEVELc Column System with column cover in Elemental Carbon with Ice finish

Serenia The Palm, Dubai | Bottom
LEVELc Column System with column cover in Fused Bronze with Sandstone finish

Suntrust International Center, Miami, Florida | Opposite
LEVELc Column System with column cover in Stainless Steel with Seastone finish; lighting by others
LEVELc COLUMN SYSTEM

ROUND COLUMN COVER DETAILS

PLAN VIEW

HORIZONTAL HAIRLINE SEAM WITH REVEAL FIN

HORIZONTAL REVEAL

HORIZONTAL REVEAL FIN

HAT CHANNEL

FACING MATERIAL

VERTICAL REVEAL

VERTICAL HAIRLINE SEAM

SPlice PLATE

FACING MATERIAL

MAX HEIGHT 119.5"

FRONT VIEW
A. Trim Ring  
B. Base Facing  
C. Facing Material  
D. Hat Channel
LEVELc COLUMN SYSTEM

SQUARE COLUMN COVER DETAILS

- Vertical Reveal
- Vertical Hairline Seam
- Horizontal Hairline Seam with Reveal Fin
- Horizontal Reveal
- Horizontal Hairline Seam

PLAN VIEW

FRONT VIEW

MAX HEIGHT 119.5"
A. Trim Ring
B. Base Facing
C. Facing Material
D. Hat Channel
LightPlane Panels are engineered, edge-lit LED panels that allow you to seamlessly illuminate walls, columns, elevator interiors, and standalone panels and displays. LightPlane Panels combine our cutting-edge lighting technology, VividGlass laminated glass or BermanGlass Levels Kiln Cast Glass, and a highly engineered framing system to create an illuminated panel unlike any other.
LIGHTPLANE PANELS

With a remarkably thin profile and a minimal bezel, LightPlane Panels provide uniform light output, energy efficiency, and the unparalleled performance of Cree® LEDs. Each LightPlane panel is manufactured with a size-specific algorithm to ensure the look of even, natural light, and eliminate hot spots, haloes or dark areas.

LightPlane Panels represent a complete system that can be easily configured to project-specific needs. Standard packages include edge-lit LED panels with VividGlass or BermanGlass Levels Kiln Cast Glass, power source with dimming controls and wiring, and mounting cleat extrusion.

LightPlane Panels readily integrate with our LEVELe Wall Cladding System, LEVELe Column System and LEVELe Elevator Interiors. They can also be specified as standalone panels.

Blue Cross Blue Shield of Kansas City, Kansas City, Missouri | Left
LightPlane Panels in ViviSpectra Spectrum glass with custom image interlayer and Standard finish

1 TENth, San Francisco, California | Opposite
LightPlane Panels in ViviChrome Chromis glass with White interlayer and Opalex finish

Private Location, Short Hills, New Jersey | Previous
LightPlane Panels in ViviChrome Chromis glass with Seaglass interlayer and Pearlex+ finish
The Mother Baby Center at Abbott Northwestern and Children’s Hospitals & Clinics, Minneapolis, Minnesota
| Loft
LightPlane Panels in ViviSpectra Spectrum glass with custom image interlayer and Standard finish

Axis Apartments & Lofts, Chicago, Illinois | Opposite
LightPlane Panels in ViviSpectra Elements glass with Acero interlayer and Pearl+ finish
5 Post Oak Park, Houston, Texas | Left
LEVELe Wall Cladding System with LightPlane Panels in ViviChrome Chromis glass with White interlayer and Opalex finish; LEVELe-104 Elevator Interior with LightPlane Panel in ViviGraphix Graphica glass with custom graphic interlayer and Pearlex+ finish

5 Post Oak Park, Houston, Texas | Top
Reception desks with LightPlane Panels in ViviGraphix Graphica glass with custom graphic interlayer and Pearlex+ finish

Esperson Buildings, Houston, Texas | Opposite
LightPlane Panels in ViviGraphix Graphica glass with custom graphic interlayer and Standard finish
NASA Human Health & Performance Laboratory (Building 21), Houston, Texas | Left
LEVELe-107 Elevator Interior with LightPlane Panels in VivriChrome Chromis glass with Seaglass interlayer and Opalex finish, and Capture panels in Stainless Steel with Sandstone finish with and without Dallas Impression pattern

NASA Human Health & Performance Laboratory (Building 21), Houston, Texas | Bottom
LightPlane Panels in VivriChrome Chromis glass with Seaglass interlayer and Opalex finish

Rookwood Exchange, Cincinnati, Ohio | Opposite
LightPlane Panels in VivriChrome Chromis glass with White interlayer and Opalex finish
Pacific Corporate Towers, El Segundo, California | Top & Right
LEVELe Wall Cladding System with LightPlane Panels in ViviChrome Chronis glass
with White interlayer and Opalex finish

Nashville Airport Marriott, Nashville, Tennessee | Opposite
LightPlane Panels in ViviSpectra Spectrum glass with custom interlayer and Standard finish
Westfield Century City, Los Angeles, California | Left, Bottom & Opposite
LEVLe-106 Elevator Interiors with LightPlane Panels in ViviSpectra Spectrum glass with custom image interlayers and Standard finish, and Capture panels in Stainless Steel with Sandstone finish
11645 Wilshire Blvd, Los Angeles, California | Left
LEVELe-105 Elevator Interior with LightPlane Panels in ViviSpectra Zoom glass with Prince William Forest interlayer and Pearlex+ finish, and Capture panels in Bonded Nickel Silver with Natural Patina and Charleston pattern, and Fused Nickel Silver with Diamond finish

11645 Wilshire Blvd, Los Angeles, California | Opposite
LEVELe Wall Cladding System with LightPlane Panels in ViviSpectra Zoom glass with Iceland Canyon interlayer and Standard finish, and Capture panels in Fused Nickel Silver with Mist finish
LIGHTPLANE PANELS

STANDALONE PANELS

1.344 in
(34.1 mm)

TOP CLEAT
EXTRUSION DETAIL

LightPlane Panel Frame

Mounting Extrusion

Bottom Cleat Extrusion Detail

Bottom Cleat Extrusion Detail

LEVELe WALL CLADDING SYSTEM PANELS

1.813 in
(46.0 mm)

TOP CLEAT
EXTRUSION DETAIL

LightPlane Panel Frame

Reveal Tape

Hat Channel Extrusion

Top Cleat Frame

Bottom Cleat Extrusion Detail

Hat Channel Extrusion

LightPlane Panel Frame

Base Facing

Base Cleat
LEVERLe ELEVATOR INTERIOR PANELS

LightPlane Panel Frame
Glass
Panel Clip
Mounting Extrusion

TOP CLEAT EXTRUSION DETAIL

1.24 in (31.5 mm)

LightPlane Panel Frame
Glass
Panel Clip
Mounting Extrusion

BOTTOM CLEAT EXTRUSION DETAIL

LIGHTPLANE PANEL POWER BOX

PWM Driver
Expandable 2-7 Units

PWM Digital Control
Adjustable 0-100%
Ideal for new or modernization projects, our elevator interior systems give you countless options for meeting a wide range of aesthetic, performance and budgetary requirements. Featuring versatile wall panel layouts that can be configured in numerous ways, complete packages draw on our full Surfaces line-up and suit typical cab sizes and door configurations.
LEVELe Elevator Interiors bring the benefits of the LEVELe system to the elevator interior. As with LEVELe Wall Cladding, this versatile panelized system is based on self-revealing extrusion channels, aluminum-framed panels with a lightweight structural backing, and diverse material options. Different configurations broadly defined by wall panel shape and layout invite you to select materials and finishes from our extensive Surfaces palette. Third-party inset materials and LightPlane Panels can be incorporated as well. Complete LEVELe Elevator Interior packages include wall panels, bases, reveals, and installation hardware. Ceilings with or without lighting and handrails are optional.

LEVELe Elevator Interiors can be configured using our interactive Elevator Design Studio, as outlined on page 110.

**AIG American International Group, Houston, Texas** | Left
LEVELe-106 Elevator Interior: LightPlane Panels in VivoStone Opal Onyx glass with Pearl+ finish; Capture panels in VivoChrome Chromis glass with Taupe interlayer, Stainless Steel with Seastone finish, and Bonded Nickel Silver with Dark Patina and Grass pattern

**Twelve | Twelve, Nashville, Tennessee** | Opposite
LEVELe-102 Elevator Interior with Capture panels in Bonded Aluminum with Dark Patina and Charleston pattern and American Walnut wood veneer

**Chase Tower, Austin, Texas** | Previous
LEVELe-102 Elevator Interior with Capture panels in VivoGraphix Graphica glass with custom Surge interlayer and Standard finish, and VivoChrome Chromis glass with Ice Grey interlayer and Opalex finish
Grand Hyatt Washington, Washington, D.C. | Left
LEVEl-e-105 Elevator Interior with Capture panels in ViviGraphix Graphica glass with customized Silkworm interlayer and Standard finish, and Bonded Bronze with Dark Patina and Rain pattern

MGM Healthcare, Chennai, India | Opposite
LEVEl-e-101 Elevator Interior with Capture panels in Bonded Bronze with Dark Patina and Grass pattern, Fused White Gold with Linen finish, and Fused Nickel Bronze with Linen finish
Sallie Mae, Newark, Delaware | Left
LEVELe-102 Elevator Interior with Capture panels in ViviGraphix Graphica glass with Cairo interlayer and Standard finish, and American Cherry with Dark Mahogany Stain wood veneer

Chicago Board of Trade, Chicago, Illinois | Bottom & Opposite
LEVELe-107 Elevator Interior with LightPlane Panels in ViviSpectra Spectrum glass with custom image interlayer and Pearlex+ finish, and Capture panels in Stainless Steel, Fused Graphite, and custom plastic laminate
LEVELe-108 Elevator Interior with panels in Stainless Steel with Mirror finish and City Lights Eco-Etch pattern and Stainless Steel with Seastone finish | Left & Bottom

Edward Hines, Jr. VA Hospital, Hines, Illinois | Opposite
LEVELe-103 Elevator Interior with panels in Fused White Gold with Sandstone finish and custom material
Kenmawr Apartments, Pittsburgh, Pennsylvania | Left
LEVELe-104 Elevator Interior with Capture Panels in ViviSpectra Elements glass with White Marble interlayer and Pearlex+ finish, ViviSpectra Spectrum glass with custom interlayer and Pearlex+ finish, Linq Woven Metal, and Fused Nickel Silver with Diamond finish

Rainey Street Apartments, Austin, Texas | Opposite
LEVELe-107 Elevator Interior with Capture Panels in custom wood veneer and Stainless Steel with Seastone finish, and LightPlane Panel with ViviGraphix Graphica glass with Cairo interlayer and Pearlex+ finish
Westfield Century City, Los Angeles, California | Left
LEVELe-105 Elevator Interior with LightPlane Panels in ViviGraphix Graphica glass with Cairo interlayer and Pearlex+ finish, and Capture panels in Stainless Steel with Seastone finish

Beverly Center, Los Angeles, California | Bottom & Opposite
LEVELe-105 Elevator Interior with LightPlane Panels in ViviGraphix Gleam glass with custom graphic interlayer and Standard finish
1127 Wilshire Blvd, Los Angeles, California | Left
LEVELe-105 Elevator Interior with LightPlane Panels in ViviSpectra Zoom glass with Yosemite Valley Interlayer and Pearlex+ finish, LightPlane Panels in ViviSpectra Elements glass with Arctic Interlayer and Pearlex+ finish, and Capture panels in Linq Woven Metal

Godrej Bhavan, Mumbai, Maharashtra, India | Opposite
LEVELe-103 Elevator Interior with Capture panels in ViviGraphix Graphica glass with Cairo interlayer in White and Standard finish, and Stainless Steel with Seastone finish and Seagrass Eco-Etch pattern
1100 Lousiana Street, Houston, Texas | Left
LEVELe-106 Elevator Interior with LightPlane Panels in VivStone Pearl Onyx glass with Pearlex+ finish, Capture panels in VivChrome Chromis glass with Slate Blue interlayer and Pearlex+ finish, and Stainless Steel with Seastone finish

Gateway Center, Pittsburgh, Pennsylvania | Bottom
LEVELe-107 Elevator Interior with Capture Panels in VivChrome Chromis glass with White interlayer and Opalex finish, and LightPlane Panel in VivGraphix Graphica glass with Silkworm interlayer and Pearlex+ finish

222 South Riverside Plaza, Chicago, Illinois | Opposite
LEVELle ELEVATOR INTERIORS

CONFIGURATIONS

Each LEVELle configuration is broadly defined by its wall panel shape and layout, as shown in the eight standard configurations below. You can opt to use any of these as-is. Or, consider them a starting point for tailoring your elevator interiors to project-specific design, material and/or performance criteria.
LEVELe SYSTEM DETAILS - CAPTURE PANELS SHOWN

- Air Gap
- Capture Panel
- Frame
- Top Panel Clip Cover
- Handrail Panel
- Capture Panel
- Frame
- Base Support
- Base Facing
- Panel Clip
- Top Panel Clip
- Capture Panel Frame
- Cab Interior Wall
- Base Cleat
- Base Support
- Air Gap
- Finished Floor
- TOP CLEAT EXTRUSION DETAIL
- WALL REVEAL CLEAT EXTRUSION DETAIL
- SECTION VIEW
- FRONT VIEW
LEVELc ELEVATOR INTERIORS

LEVELc Elevator Interiors expand the design and performance options. LEVELc-2000 features a configurable stile, rail and inset design that accommodates a wide range of material and finish combinations. Options draw from our extensive Surfaces line-up and include VividGlass. LEVELc-1000 is a rugged full-panel stainless steel system optimized for airports, parking structures and other public spaces where durability and potential abuse are concerns.

Standard LEVELc packages include wall panels, trim pieces and installation hardware. Ceilings with or without lighting and handrails are optional.

LEVELc Elevator Interiors can be configured using the Elevator Design Studio, as described on page 110.
IU Health Neuroscience Center, Indianapolis, Indiana | Left
LEVELc-2000 Elevator Interior with insets in Bonded Aluminum with Natural Patina and Charleston pattern and American Walnut wood veneer; stiles and rails in Stainless Steel with Sandstone finish

The Mother Baby Center at Abbott Northwestern and Children's Hospitals & Clinics, Minneapolis, Minnesota | Bottom & Opposite
LEVELc-1000 Elevator Interior in Stainless Steel with Seastone finish
LEVELc ELEVATOR INTERIORS

LEVELc-1000 SYSTEM DETAILS

TOP DETAIL
- Wall Panel
- Panel Clip
- Wall Clip

WALL DETAIL
- Wall Panel
- Panel Clip
- Wall Clip
- Cab Interior Wall

SECTION VIEW
- Air Gap
- Base Facing
- Base Panel
- Finished Floor
- Wall Clip

BOTTOM DETAIL
- Wall Clip
LEVELc-2000 SYSTEM DETAILS

TOP DETAIL
- Top Rail
- Panel Clip
- Wall Clip

WALL DETAIL
- Center Rail
- Panel Clip
- Wall Clip
- Cab Interior Wall

SECTION VIEW
- Inset

BOTTOM DETAIL
- Metal Facing
- Wall Clip
- Air Gap
- Finished Floor

FRONT VIEW
ELEVATOR CEILINGS

Designed to be lightweight and easy to install, our Elevator Ceilings can be specified in many of the same stainless steel and Fused Metal finishes available for F+S Elevator Interiors. The standard ceiling is a six-panel suspended island design with six low-voltage high-efficiency LED downlights and/or LED perimeter lighting.

Ceilings use a side-mount installation system that provides a generous range of adjustment to align the ceiling with the wall panels. A canopy-mount option is also available. Standard ceiling packages include ceiling with lighting, power supply, and emergency lighting power source.

Elevator Ceilings can be used with LEVELe or LEVELc Elevator Interiors or incorporated into existing or custom elevator interiors.

176 Broadway, New York, New York | Left
Elevator Ceiling in Fused Nickel Silver with Mirror finish; LED downlights and LED perimeter accent lighting

The Mother Baby Center at Abbott Northwestern and Children’s Hospitals & Clinics, Minneapolis, Minnesota | Opposite
Elevator Ceiling in Stainless Steel with Seastone finish; LED downlights
Private Location, New York, New York | Left
Elevator Ceiling in Stainless Steel with Seastone finish; LED perimeter lighting

1600 Market Street, Philadelphia, Pennsylvania | Bottom
Elevator Ceiling in Stainless Steel with Seastone finish; LED downlights and LED perimeter lighting

1100 Louisiana Street, Houston, Texas | Opposite
Elevator Ceiling in Stainless Steel with Seastone finish; LED downlights
ELEVATOR HANDRAILS + CRASH RAILS

Elevator Handrails and Crash Rails are optional and can be specified for elevator back walls and/or side walls.

Six Elevator Handrail series provide a range of stylistic possibilities for LEVELe and LEVELc Elevator Interiors. Material options include stainless steel and bronze, each in a variety of finishes selected to complement other materials featured in the elevator interior. For continuity throughout a space, our Elevator Handrails have been designed to coordinate with our Door Pulls.

Elevator Crash Rails are stainless steel. Their simple, modern design is a beautiful way to protect LEVELe and LEVELc Elevator Interiors and LEVELe Wall Cladding System surfaces.

Music City Center, Nashville, Tennessee | Left
Quadrant Handrail in Satin Stainless Steel with Block standoffs

Private Location | Opposite
Compass Handrail in Satin Stainless Steel with Ring standoffs
7600 West Tidwell Road, Houston, Texas | Left
Rectangular Handrail in Satin Stainless Steel

Akshaya Signature Homes, Chennai, India | Bottom
Round Handrail in Satin Bronze

Metropolitan Bank Mississippi Headquarters, Ridgeland, Mississippi | Opposite
Sextant Handrail in Black Santoprene® and Satin Stainless Steel
Renaissance Towers, San Diego, California | Right
Rectangular Handrail and custom bumper rail both in Satin Stainless Steel

Private Location | Opposite
Modular Handrail in Satin Stainless Steel with clear anodized aluminum standoff
ELEVATOR DESIGN STUDIO

The Elevator Design Studio (EDS) is a comprehensive visualization tool that lets you tailor our Surfaces and Elevator Interiors to your project-specific needs.

Unparalleled in its reach, this time-saving, interactive tool puts creative control at your fingertips. The intuitive step-by-step format lets you choose an elevator interior configuration, apply materials and finishes from our extensive Surfaces library, build your designs, view your progress in realistic renderings, share your work with colleagues and clients, and request budget pricing—all with a few simple clicks. Within a project you can create multiple elevator interiors, work through ideas, note job-related details, and save Surfaces to your ‘Favorites’ library for future reference and use.

The Elevator Design Studio makes it easy to bridge the gap between creative vision and installed reality.

Get started at www.elevatordesignstudio.com
ELEVATOR DOORS

Elevator doors are the perfect way to carry a design theme across a property, from elevator interior to elevator lobby and beyond. Included within this group are door skins for elevator car doors and hoistway doors in a variety of materials, finishes and patterns.
ELEVATOR DOORS

Elevator Door Skins can be specified in a wide range of materials and finishes selected to provide maximum design versatility while meeting the aesthetic and performance needs of any environment.

Elevator Door Skins in stainless steel and five Fused Metal colors—Fused Bronze, Fused Graphite, Fused Nickel Bronze, Fused Nickel Silver and Fused White Gold—create a striking design statement. Finishes include High-Durability and standard options. Patterns draw from our Impression and Eco-Etch palettes and add visual interest while helping conceal the occasional surface blemish.

Bonded Metal Elevator Door Skins offer exceptional resistance to abrasion and wear. Options include a wide range of patterns, three colors—Bonded Aluminum, Bonded Bronze and Bonded Nickel Silver—and Natural and Dark Patinas.
The Stanford Court Renaissance Hotel, San Francisco, California | Bottom
Elevator Doors in Fused Bronze with Mirror finish and ECO205H Eco-Etch pattern

10-24 School Street, Boston, Massachusetts | Right
Elevator Doors in Bonded Nickel Silver with Dark Patina and Charleston pattern

Renaissance Schaumburg Hotel & Convention Center, Schaumburg, Illinois | Opposite
Elevator Doors in Stainless Steel with Mirror finish and custom Eco-Etch pattern
Herb Chambers, Boston, Massachusetts | Top
Elevator Doors in Bonded Nickel Silver with Dark Patina and Vancouver pattern

Clackamas Community College - Harmony Campus, Milwaukie, Oregon | Right
Elevator Doors in Stainless Steel with Satin finish and custom Eco-Etch pattern

Indianapolis Airport, Indianapolis, Indiana | Opposite
Elevator Doors in Stainless Steel with Sandstone finish and Dallas Impression pattern
Forms+Surfaces Doors and Door Pulls have been making dramatic opening statements for more than 50 years. Quality craftsmanship, exquisite detailing, and a diverse array of sizes, styles and materials to complement the rest of our Systems products are hallmarks of the line.
DOORS + DOOR PULLS

Our Doors and Door Pulls offer extraordinary design flexibility.

Stainless Steel and Fused Metal Doors combine our legendary design and materials palette with a full range of UL® fire labeling options. Stile & Rail Doors let you combine materials and finishes. Glass Doors give you creative ways to incorporate colors and graphics and vary privacy and translucency levels. Bonded Metal and Bonded Quartz Doors feature our versatile cast composites.

Cast Door Pulls are sculptural forms in stainless steel, bronze or brass. Tubular Door Pulls come in round or rectangular profiles in a variety of materials, shapes and sizes. Configurable Door Pulls let you mix materials and components and vary dimensions.

Door Packages that include doors, door frames, and prep-only or prep-and-supply for hardware are available for all of our doors.

The Elinor Bunin Munroe Film Center, New York, New York | Left
Glass Doors and transom in VivGraphix Gradiance glass with Standard finish and Scatter pattern interlayer

Private Residence, Vasant Vihar, New Delhi, India | Opposite
Bonded Metal Doors in Bonded Bronze with Dark Patina and Corona pattern

Forms+Surfaces Design Studio, Carpinteria, California | Previous
Glass Doors in VivStrata Layers glass with customized Surge pattern and clear upper areas; Rectangular Door Pulls in Satin Stainless Steel
Harvard Law School, Cambridge, Massachusetts | Left & Bottom
Stile & Rail Doors in triple inset configuration with stiles and rails in Fused Nickel Silver with Sandstone finish and glass insets; Round Door Pulls in Satin Stainless Steel

Our Lady of Ransom Church, Niles, Illinois | Opposite
Bonded Metal Doors in Bonded Bronze with Dark Patina and Rain pattern; Cadence Door Pulls in Satin Bronze
NXXT Restaurant & Bar | Left & Top
Fused Metal Door in Fused Bronze with Sandstone finish; Sextant Door Pull with Black Santoprene® grip and Taper finials in Oil-Rubbed Bronze

Private Location | Opposite
Stainless Steel Doors with Satin finish and Dallas Impression pattern; Rectangular Door Pulls in Polished Stainless Steel
**Nationwide Children's Hospital - Research Building III, Columbus, Ohio** | Left & Bottom
Glass Door in ViviSpectra Spectrum glass with custom image interlayer and Standard finish

**Forms+Surfaces Corporate Office, Phoenix, Arizona** | Opposite
Glass Doors in ViviGraphix Gradiance glass with Scatter pattern interlayer and Standard finish; Rectangular Door Pulls in Satin Stainless Steel
InForm Flight Information Displays and Profile One Information Kiosks are modular systems whose standard elements can be configured for numerous applications. InForm is designed for creating large public displays with multiple LCD monitors. Profile One is a space-efficient design ideal for more personalized workstations and interactive kiosks.
INFORMATION DISPLAYS

InForm Flight Information Displays use a series of aluminum extrusions, stainless steel and aluminum castings, and other standard elements as building blocks for large public display systems that can incorporate multiple LCD monitors. Standard and custom assembly layouts make it easy to address project-specific criteria. InForm’s modular approach allows individual units to be scaled up or down to suit the needs of different areas of a facility while maintaining design consistency throughout. Its open structure enhances visibility in security-conscious environments.

Profile One is a versatile modular system that can be tailored for information kiosks or workstations. The system is based on a durable extruded aluminum mast to which any number of components—table surfaces, LCD monitors, sign panels, computers, CPU enclosures, duplex outlets, and footrests—can be attached at any location.

Miami International Airport, Miami, Florida | Left
InForm Information Display System in custom ceiling-mount configuration; monitors by others

Detroit Metro Airport - McNamara Terminal, Detroit, Michigan | Opposite
InForm Information Display System in triple-mast, Arc extrusion configuration with flush-mounted cabinets and bumper rail; monitors by others

Miami International Airport, Miami, Florida | Previous
InForm Information Display System in dual-mast, Conceal extrusion configuration with arm-mounted cabinets and headers, bumper rail, and custom foot covers; monitors by others
Miami International Airport, Miami, Florida | Left
InForm Information Display System in dual-mast, Conceal extrusion configuration with arm-mounted cabinets and headers, bumper rail, and custom foot covers;
monitors by others

Miami International Airport, Miami, Florida | Bottom
InForm Information Display System: Satin Stainless Steel bumper rail, Stainless Steel support arms with bead-blasted finish, and custom foot covers

Indianapolis International Airport, Indianapolis, Indiana | Opposite
InForm Information Display System in triple-mast, Arc extrusion configuration with flush-mounted cabinets bumper rail, and custom shelves; monitors and phones by others
Smoking is not allowed in the terminal.
Indian Trails Public Library, Chicago, Illinois | Left & Top
Profile One Information Kiosk in triple-mast configuration with fixed upper foot assemblies, custom shelves, Stainless Steel support arms, and adjustable lower foot assemblies; monitors by others

Logan College of Chiropractic, Chesterfield, Missouri | Opposite
Profile One Information Kiosks in single-mast, double-sided configuration with half-round wood table tops, CPU enclosures, footrests, fixed lower foot assembly and custom lighting assembly; monitors by others
INFORMATION DISPLAYS

FLUSH-MOUNTED CABINET WITH ARC EXTRUSION

- End Cap
- Mast
- Foot Assembly
- Electronics Cabinet
  With Arc Extrusion
- Bumper Rail
- Cast Arm
HEADER AND CAST-ARM-MOUNTED CABINET WITH CONCEAL EXTRUSION

- End Cap
- Wiring Tube
- Mast
- Foot Assembly
- Header With Conceal Extrusion
- Electronics Cabinet With Arc Extrusion
- Bumper Rail
- Cast Arm
F+S Systems, together with F+S Surfaces, are the basis for unlimited creative expression. Both are highly configurable and offer a sophisticated breadth of choices that can be tailored to meet the challenges of today’s public spaces. But what happens when your needs go beyond the scope of our Systems? Our Surfaces—along with the expert support of our design, engineering and manufacturing teams—can help you take your most imaginative design ideas to astounding new heights.
BEYOND SYSTEMS

For more than five decades, architects and designers around the world have relied on Forms+Surfaces as a collaborative partner with the agility, experience and passion to create dramatic signature statements.

As a truly comprehensive resource, the framework we’ve built to support our efforts is vast. It includes large-scale F+S manufacturing facilities in strategic global locations, state-of-the-art technologies and equipment, extensive sourcing and materials expertise, innovative in-house design and engineering teams, sales and technical support in regions around the world, and skilled professionals at every level of our organization.

The following pages show just a few examples of our Surfaces creatively used in applications of many shapes and sizes. Take a look. You’ll see how Forms+Surfaces offers a winning equation for transforming public spaces of all kinds.

University Health System – University Hospital, San Antonio, Texas | Left & Opposite
Two-story interior curtain wall with ViviSpectra Spectrum glass with custom image interlayers and Standard finish; lower level walls with ViviGraphix Graphica glass with custom pattern interlayers and Pearlex finish

Pacific Gate, San Diego, California | Previous
Feature wall with BermanGlass Levels kiln cast glass in Hikaru texture + custom color interlayer
Louis Armstrong New Orleans International Airport, New Orleans, Louisiana | Left
Architectural spokes and curved wall in Fused White Gold with Seastone finish

Louis Armstrong New Orleans International Airport, New Orleans, Louisiana | Bottom
Feature wall with backlit panels in Fused Nickel Bronze with Satin finish, custom Eco-Etch pattern, and custom perforation pattern

Louis Armstrong New Orleans International Airport, New Orleans, Louisiana | Opposite
Feature wall with ViviSpectra Spectrum glass with custom image interlayer and Pearlex+ finish
Pacific Gate, San Diego, California | Left & Opposite
Feature wall with BermanGlass Levels kiln cast glass in Hikaru texture + custom color interlayer
McShane Construction Company, Rosemont, Illinois | Left & Bottom
Partition wall in VivGraphix Gradiance glass with custom graphic interlayer and Standard finish

Forms+Surfaces Design Studio, Carpinteria, California | Opposite
Partition wall in VivGraphix Gradiance glass with custom graphic interlayer in White and clear upper areas; partition wall in VivStrata Layers glass with customized Surge pattern and clear upper areas
NASA Human Health & Performance Laboratory (Building 21), Houston, Texas
Left & Top
BermanGlass Classic kiln cast glass with custom texture

222 South Riverside Plaza, Chicago, Illinois
Opposite
Backlit panels with ViviGraphix Graphica glass with Seagrass interlayer and Pearlex+ finish
Beverly Center, Los Angeles, California | Left
Escalator truss cladding in ViviChrome Chromis glass with custom color interlayer and Opalex finish

Beverly Center, Los Angeles, California | Top
Wall cladding in ViviChrome Chromis glass with custom color interlayer and Opalex finish

Beverly Center, Los Angeles, California | Opposite
Wall cladding and elevator truss cladding in ViviChrome Chromis glass with custom color interlayer and Opalex finish; rectangular lighting and display screen by others
Houston Ballet Center for Dance, Houston, Texas | Left & Top
Bridge upper panels in Stainless Steel with Sandstone finish and custom Eco-Etch pattern; lower panels in Stainless Steel with Sandstone finish and custom perforation pattern

Hotel Eventi, New York, New York | Opposite
Exterior wall with BermanGlass Profile kiln cast glass in Corrugated texture with sandblast finish
Austin-Bergstrom International Airport, Austin, Texas | Left
Custom restroom graphic with custom LightPlane backlighting in LEVELr Wall Cladding System with panels in ViviChrome Chromis glass with custom color interlayer and Opalex finish

Austin-Bergstrom International Airport, Austin, Texas | Bottom
Oculus with ViviGraphix Gradiance glass with Vapor pattern interlayer and Standard finish

Austin-Bergstrom International Airport, Austin, Texas | Opposite
Upper-level corridor with ViviGraphix Gradiance glass with Vapor pattern interlayer and Standard finish
DESIGN TOOLS

Our interactive Design Tools invite you to bring your imagination to glass—and to many of the Systems shown on the preceding pages. Each blends intuitive design functionality with an easy-to-use interface that allows you to explore ideas, build your designs, share your work, and request budget pricing. Along with the Elevator Design Studio on page 110, the toolbox includes:

The VEKTR Digital Canvas gives you the freedom to transform digital images of any size, from any source, into highly customized ViviSpectra VEKTR glass designs—all in a matter of minutes. Simply capture the shot you want, drag it into the app, and start designing.

The Zoom Digital Darkroom makes it easy to bring the photographic beauty of the world around us to large-scale glass applications with ViviSpectra Zoom glass. Part interactive design studio, part curated photo library, the Zoom Digital Darkroom gives you access to Zoom images—our growing collection of large-scale, super-high-resolution photos. It also gives you the tools you need to get creative with these images.

The Virtual Quarry lets you unleash your creativity, free from the physical constraints of real stone. Within the app you can select from our ViviStone slab libraries and draw on a full suite of tools to bring your ViviStone glass projects to life.

Try them all at www.forms-surfaces.com/design-tools.
COMPREHENSIVE SUPPORT

Systems that Invite Creativity

All of our Systems products balance the convenience of a standardized system with impressive design flexibility. Our Systems let you move seamlessly from bold new concept to installed reality by:

- Providing a framework for our Surfaces: with literally hundreds of material and finish combinations to choose from, you benefit from countless design options as well as the cost-efficiencies of using our Surfaces in our Systems, and vice versa.
- Addressing mechanical details: those you see, like trim pieces and other finishing elements, and those you don’t, like attachment systems and mounting assemblies. This gives you the freedom to focus on designs and finishes, while saving on the time and costs associated with custom solutions.
- Offering project-specific technical support that can help you with:
  - Shop drawings and project detailing
  - Material yields
  - Weight calculations
  - Mounting and installation details
  - Budget pricing early in the process

Interrelated Product Lines

Our interrelated product lines make it easy to carry design and material themes across a property.

Within our line you’ll find:

**Surfaces** – as introduced on the preceding pages, an extensive palette of materials, finishes and patterns that can be specified as sheet goods or incorporated into many F+S products.

**Systems** – the products represented throughout this book: walls, LightPlane Panels, elevator interiors, elevator doors, columns, and doors.

**Site Furniture** – a versatile group that includes benches, bike racks, litter & recycling receptacles, planters, tables and chairs.

**Outdoor Lighting** – contemporary designs, precision craftsmanship, and solar technologies shape our collection of bollards and pedestrian fixtures.

Time-Tested Expertise

We recognize that every project is unique, and that multi-faceted projects require an array of talents and capabilities.

For nearly five decades, we’ve worked with our clients to develop real-world product solutions.

We’ve also invested steadily in high-end manufacturing facilities and equipment, innovative materials and finishes, and the skilled professionals that make up our team.

So, whether you’re navigating building code requirements, ADA guidelines or environmental issues, we’re here to support you at every step in the process by giving you access to:

- Unparalleled manufacturing expertise
- State-of-the-art technologies and materials
- Decades of industry experience
- Products with proven performance in demanding environments
- Knowledgeable employees around the world who can assist you with design and engineering challenges, project management, sustainability compliance, and technical and customer support
# ADDITIONAL RESOURCES

Visit Our Website: [www.forms-surfaces.com](http://www.forms-surfaces.com)

Updated regularly, our website is a comprehensive resource designed to help you discover what’s new and stay up-to-date on product and company developments. In support of all of our Systems and Surfaces, you’ll find:

- Product Data Sheets & Design Guides
- Full-sheet Pattern Drawings
- Technical Specs
- Installation Instructions
- Environmental Data
- Image Galleries
- Project References

Contact Us
Contact Forms+Surfaces for additional information about any of our products or to reach a sales representative in a territory near you.

- Telephone: 800.451.0410
- General Inquiries: sales@forms-surfaces.com
- Sustainability: green@forms-surfaces.com

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<th><strong>INTERNATIONAL LOCATIONS</strong></th>
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**IMPORTANT:** The materials shown in this catalog are intended as a visual guide. Because photographic reproduction may not present true product colors, actual finishes may vary slightly from the colors shown here.