SAPPHIRE WALL SYSTEM

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The Sapphire Wall System by Skutchi Designs Inc® is an innovative interior office wall solution designed to create efficiently divided work environments for new or existing office spaces. This highly versatile modular panel system—with heights ranging from 7', 8' or 9'ft—utilize incredibly strong yet lightweight aluminum frames with connectors to create freestanding structures without permanent attachments to the floor or ceiling of your office space. Fully demountable and expandable, the Sapphire Wall System can be reconfigured at will to move or adapt with your office space's needs.

You can customize the 3 ¼" thick panels in a variety of ways (all tempered glass panels or a mix of glass, laminate, and fabric panels) which can be fabricated with your choice of 14 different color fabric options and 4 different laminate options. Use the Sapphire Wall System within your existing workspace to create private areas such as individual offices, conference rooms, massage therapy rooms, tanning bed areas, medical office examination rooms, changing rooms, hospitality spaces, lactation rooms, study spaces, phone booth areas, or wherever privacy is essential in a working environment.

Additionally, the Sapphire Wall System offers three types of lockable doors which can be added to any configuration of walls systems over 7' high. If your space requires electrical outlets or data network cable, the Sapphire Wall System offers built-in "raceways" to provide hidden and seamless electric and data integration. All materials used with the Sapphire Wall System meet or exceed the safety and durability specifications set forth by the American National Standards Institute and the Business and Institutional Furniture Manufacturers Association.
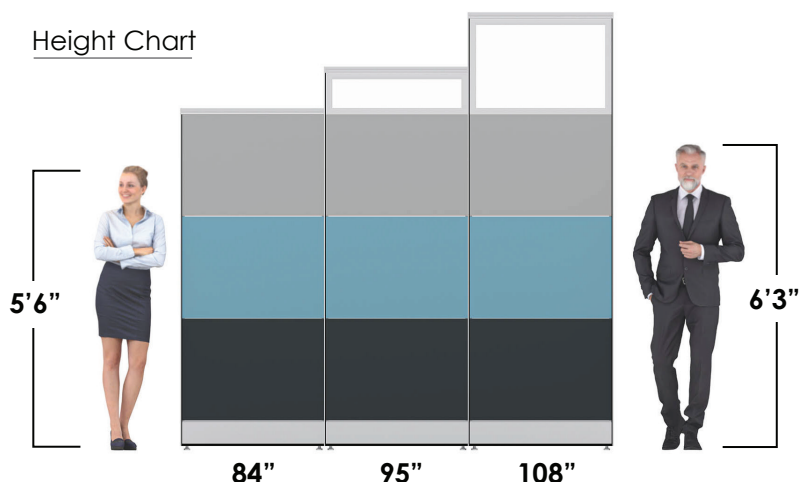
The Sapphire Wall System is fully compatible and integrates seamlessly with any items available in our Sapphire Cubicle System inventory, which includes ergonomically designed furniture and accessories such as workstation desks, sit to stand desks, file storage, shelving, overhead storage, chairs, padded benches, paper racks, and accessory rails.

The Sapphire Wall System is an elegant, modular wall alternative to traditional drywall construction (which can take weeks of planning and implementation). Depending upon the size and complexity of most configurations, the Sapphire walls can usually be erected in less than a day with little to no mess.

When you consider the cost, construction, durability, permanence, and lack of potential tax benefits of traditional drywall construction versus the Sapphire Wall System, the choice is easy. The Sapphire Wall System is a perfect and cost effective solution to innovative and efficiently divided work environments for new or existing office spaces.
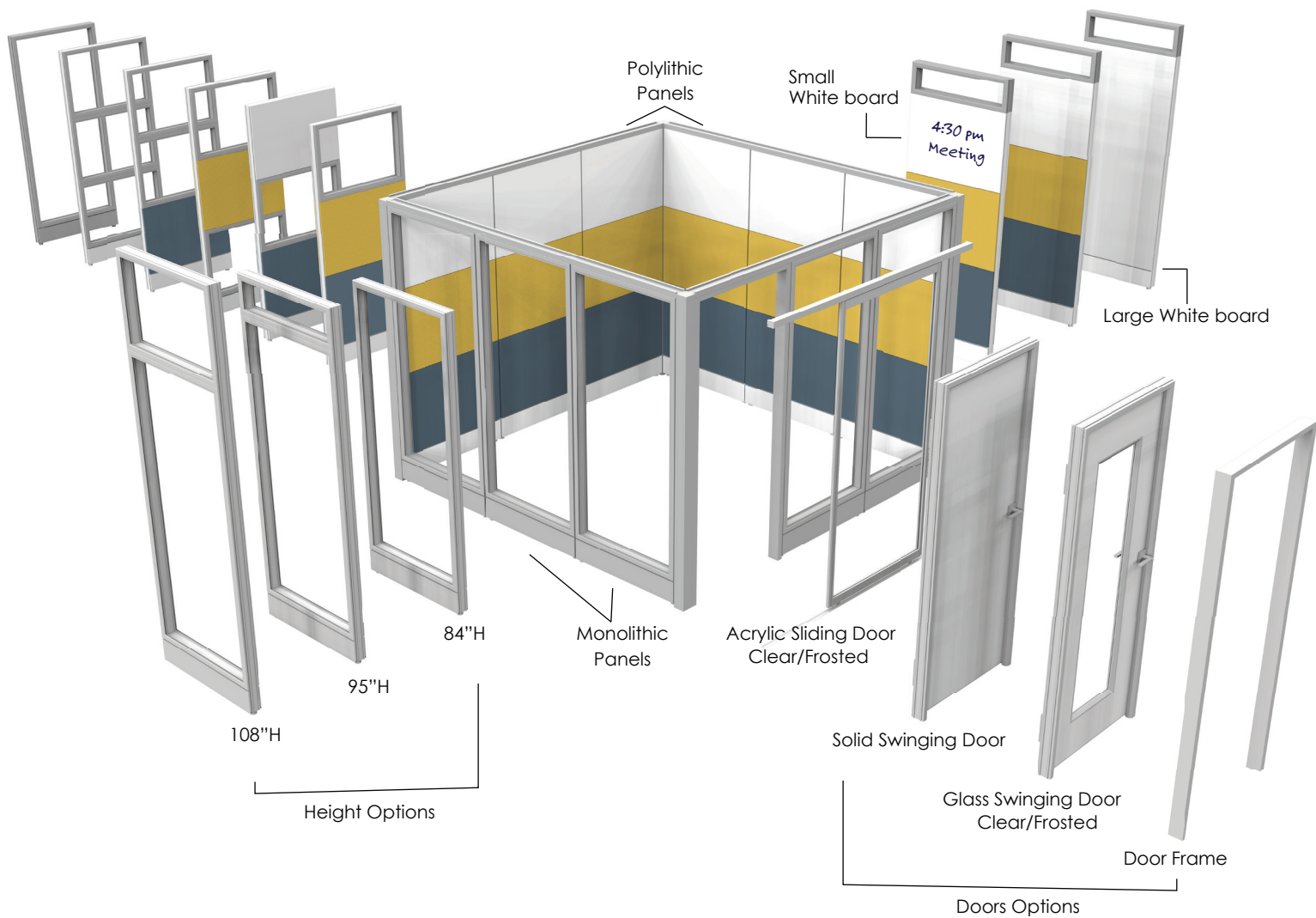
- 6" electric and cable raceway on the base of each panel
- Panel thickness: 3 1/4"
- Glass thickness: 3/8"
- Fames & connections: Aluminum
- Doors available for wall systems 84"H-108"H
- Optional interior furnishings available
- Custom and quick-ship options available
- ANSI/BIFMA
- Fabric ISO 9001
- Electric: UL Listed
- Fire Tested
- VOC Tested

Height Chart

5'6"

6'3"

84"   95"   108"

Sapphire Panel and Door Options

Standard Panels

Polylithic Panels

Small White board

4:30 pm Meeting

Large White board

108"H

95"H

84"H

Height Options

Monolithic Panels

Acrylic Sliding Door Clear/Frosted

Solid Swinging Door

Glass Swinging Door Clear/Frosted

Door Frame

Doors Options

Shown below are the available heights and the styles of the Sapphire Wall System panels. Customize each panel with glass, fabric, or laminate tiles.

http://95sapphirecustomizer.skutchi.com/

(S)-can be fabric or laminate   (G)-can be clear or have a specialty film applied

84"H

T3						
T2						
T1						

S84A	S84B	S84C	S84D	S84E	S84F	S84G
G25	G25	G25	S25	G25	S25	G75
G25	G25	S25	G25	S25	S25	
G25	S25	G25	S25	S25	S25	

95"H

T4						
T3						
T2						
T1						

S95A	S95B	S95C	S95D	S95E	S95F	S95G
G10	G10	G10	G10	G10	G10	G75
G25	G25	G25	S25	G25	S25	
G25	G25	S25	G25	S25	S25	
G25	S25	G25	S25	S25	S25	

108"H

T4						
T3						
T2						
T1						

S108A	S108B	S108C	S108D	S108E	S108F	S108G
G20	G20	G20	G20	G20	G20	G75
G25	G25	G25	S25	G25	S25	
G25	G25	S25	G25	S25	S25	
G25	G25	G25	S25	S25	S25	

Panel Measurements

Shows panel height and tile heights. Available in widths of 23 1/2" and 35 1/2"

Panel Thickness: 3 1/4"

84"H Solid Panels

Panel A-F

Panel G

95"H Solid Panels

Panel A-F

Panel G

108"H Solid Panels

Panel A-F
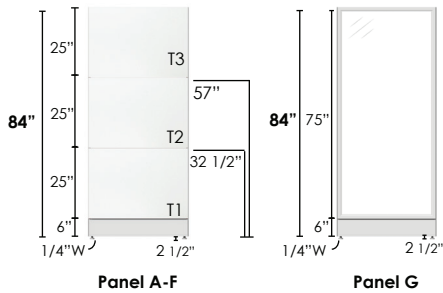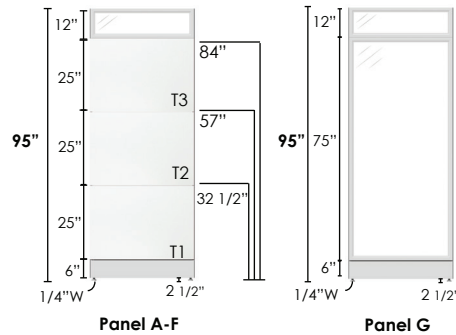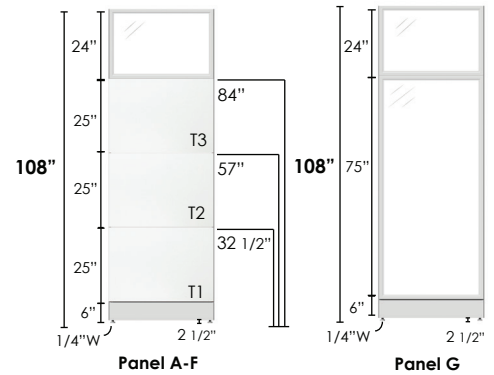
Panel G

84"H Panels

(G) Glass   (F) Fabric   (L) Laminate

Listed below is the panel information for 84"H panels. Panels are priced with tiles included

	Description	SKU	Dimensions	Weight
	S84A	S2484A	24"W x 84"H	100 lb
		S3684A	36"W x 84"H	133 lb
	S84B-with laminate and glass	S2484B-L	24"W x 84"H	93 lb
		S3684B-L	36"W x 84"H	121 lb
	-with fabric and glass	S2484B-F	24"W x 84"H	93 lb
		S3684B-F	36"W x 84"H	121 lb
	S84C-with laminate and glass	S2484C-L	24"W x 84"H	93 lb
		S3684C-L	36"W x 84"H	121 lb
	-with fabric and glass	S2484C-F	24"W x 84"H	93 lb
		S3684C-F	36"W x 84"H	121 lb
	S84D-with laminate and glass	S2484D-L	24"W x 84"H	86 lb
		S3684D-L	36"W x 84"H	109 lb
	-with fabric and glass	S2484D-F	24"W x 84"H	86 lb
		S3684D-F	36"W x 84"H	109 lb
	S84E-with laminate and glass	S2484E-L	24"W x 84"H	86 lb
		S3684E-L	36"W x 84"H	109 lb
	-with fabric and glass	S2484E-F	24"W x 84"H	86 lb
		S3684E-F	36"W x 84"H	109 lb
	S84F-with laminate	S2484F-L	24"W x 84"H	79 lb
		S3684F-L	36"W x 84"H	97 lb
	-with fabric	S2484F-F	24"W x 84"H	79 lb
		S3684F-F	36"W x 84"H	97 lb
	S84G	S2484G	24"W x 84"H	145 lb
		S3684G	36"W x 84"H	145 lb

Listed below is the panel information for 95"H panels. Panels are priced with tiles and stacker included

Description	SKU	Dimensions	Weight
S95A	S2495A	24"W x 95"H	120 lb
	S3695A	36"W x 95"H	165 lb
S95B-with laminate and glass	S2495B-L	24"W x 95"H	113 lb
	S3695B-L	36"W x 95"H	153 lb
-with fabric and glass	S2495B-F	24"W x 95"H	113 lb
	S3695B-F	36"W x 95"H	153 lb
S95C-with laminate and glass	S2495C-L	24"W x 95"H	113 lb
	S3695C-L	36"W x 95"H	153 lb
-with fabric and glass	S2495C-F	24"W x 95"H	113 lb
	S3695C-F	36"W x 95"H	153 lb
S95D-with laminate and glass	S2495D-L	24"W x 95"H	106 lb
	S3695D-L	36"W x 95"H	141 lb
-with fabric and glass	S2495D-F	24"W x 95"H	106 lb
	S3695D-F	36"W x 95"H	141 lb
S95E-with laminate and glass	S2495E-L	24"W x 95"H	106 lb
	S3695E-L	36"W x 95"H	141 lb
-with fabric and glass	S2495E-F	24"W x 95"H	106 lb
	S3695E-F	36"W x 95"H	141 lb
S95F-with laminate and glass	S2495F-L	24"W x 95"H	99 lb
	S3695F-L	36"W x 95"H	129 lb
-with fabric and glass	S2495F-F	24"W x 95"H	99 lb
	S3695F-F	36"W x 95"H	129 lb
S95G	S2495G	24"W x 95"H	165 lb
	S3695G	36"W x 95"H	177 lb

Listed below is the panel information for 108"H panels. Panels are priced with tiles and stacker included.

Description	SKU	Dimensions	Weight
S108A	S24108A	24"W x 108"H	120 lb
	S36108A	36"W x 108"H	165 lb
S108B-with laminate and glass	S24108B-L	24"W x 108"H	113 lb
	S36108B-L	36"W x 108"H	153 lb
-with fabric and glass	S24108B-F	24"W x 108"H	113 lb
	S36108B-F	36"W x 108"H	153 lb
S108C-with laminate and glass	S24108C-L	24"W x 108"H	113 lb
	S36108C-L	36"W x 108"H	153 lb
-with fabric and glass	S24108C-F	24"W x 108"H	113 lb
	S36108C-F	36"W x 108"H	153 lb
S108D-with laminate and glass	S24108D-L	24"W x 108"H	106 lb
	S36108D-L	36"W x 108"H	141 lb
-with fabric and glass	S24108D-F	24"W x 108"H	106 lb
	S36108D-F	36"W x 108"H	141 lb
S108E-with laminate and glass	S24108E-L	24"W x 108"H	106 lb
	S36108E-L	36"W x 108"H	141 lb
-with fabric and glass	S24108E-F	24"W x 108"H	106 lb
	S36108E-F	36"W x 108"H	141 lb
S108F-with laminate and glass	S24108F-L	24"W x 108"H	99 lb
	S36108F-L	36"W x 108"H	129 lb
-with fabric and glass	S24108F-F	24"W x 108"H	99 lb
	S36108F-F	36"W x 108"H	129 lb
S108G	S24108G	24"W x 108"H	165 lb
	S36108G	36"W x 108"H	177 lb

Door Options

Doors can be added to the Sapphire Wall System. Choose from an open doorway, sliding door, swinging door, or swinging glass door. Available for all three heights. For the 95"H and higher the doors will include a glass stacker

Description	SKU	Dimensions	Weight
84"H Open Frame	SAP-36-SDF	84"H	25 lb
95"H Open Frame	SAP-36-SDF-95	95"H	25 lb
108"H Open Frame	SAP-36-SDF-108	108"H	25 lb
84"H Sliding Door (Clear/Frosted)	SAP-SLD-CLEAR SAP-SLD-FROSTED	84"H	40 lb
95"H Sliding Door (Clear/Frosted)	SAP-SLD-CLEAR-95 SAP-SLD-FROSTED-95	95"H	40 lb
108"H Sliding Door (Clear/Frosted)	SAP-SLD-CLEAR-108 SAP-SLD-FROSTED-108	108"H	40 lb
84"H Swinging Door	NEW-SSDR (Right Swing) NEW-SSDL (Left Swing)	84"H	87 lb
95"H Swinging Door	NEW-SSDR-95 (Right Swing) NEW-SSDL-95 (Left Swing)	95"H	87 lb
108"H Swinging Door	NEW-SSDR-108 (Right Swing) NEW-SSDL-108 (Left Swing)	108"H	87 lb
84"H Swinging Glass Door	NEW-SSGR (Right Swing) NEW-SSGL (Left Swing)	84"H	107 lb
95"H Swinging Glass Door	NEW-SSGR-95 (Right Swing) NEW-SSGL-95 (Left Swing)	95"H	107 lb
108"H Swinging Glass Door	NEW-SSGR-108 (Right Swing) NEW-SSGL-108 (Left Swing)	108"H	107 lb

Sliding Door Lock

Locks are available on bottom only of sliding doors. **Spring lock**-a 1" deep hole must be drilled in floor to engage lock.

Swinging Door Lock

Swinging doors come with locks attached to handles.

12"H Glass Topper

24"H Glass Topper

108"H

95"H

84"H

Bottom Track

Open Door Frame

Swinging Door

Swinging Glass Door

Sliding Door
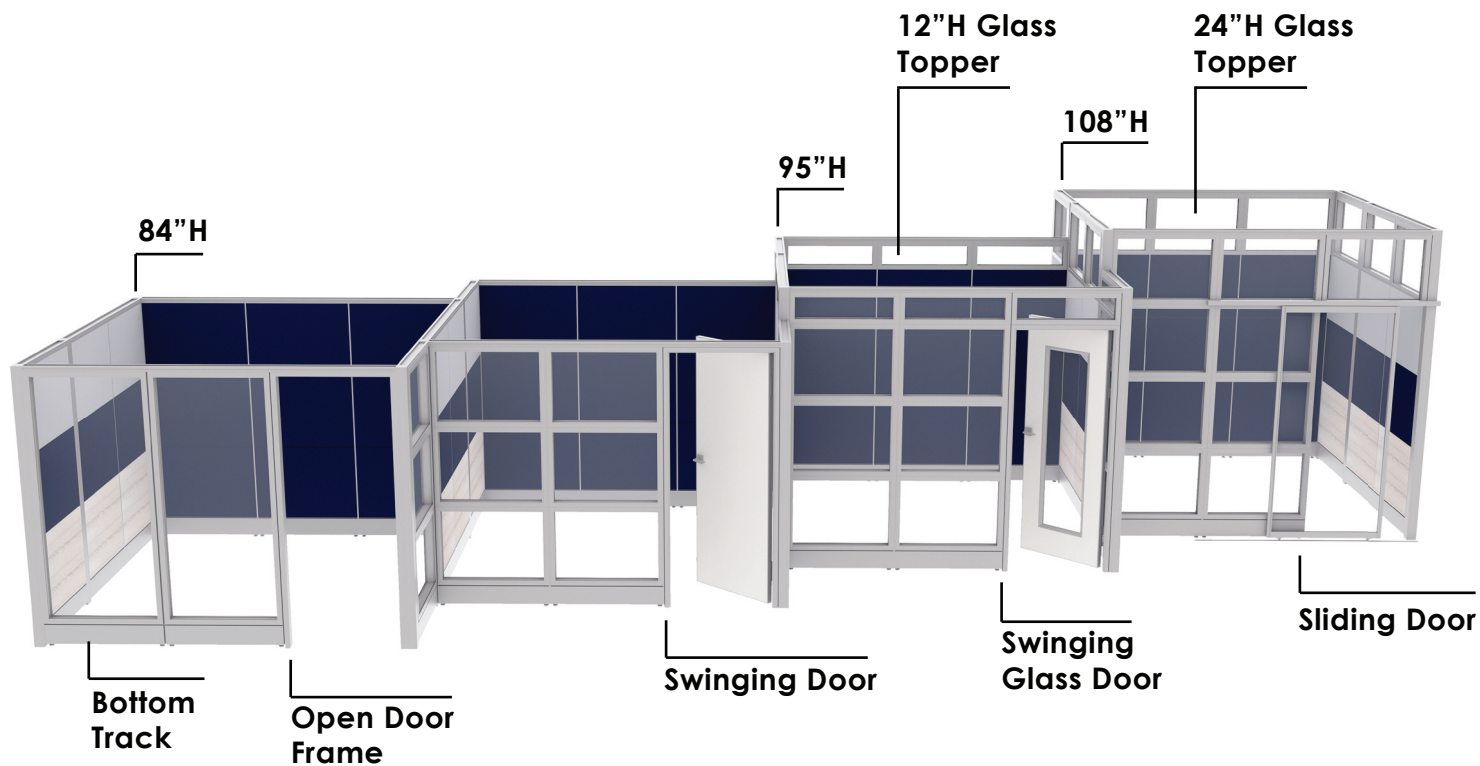
Door Placement Options

Use the letter of the side that you want the door on. Put that letter in front of the number that corresponds to the desired door position on that side.

Side A
A1   A2   A3
Side D   D1   B1
D2   B2
D3   B3
Side B
C1   C2   C3
Side C

Ex 1:

C1

A2

B3

Ex 2:

Side A
Side B
Side D
Side C
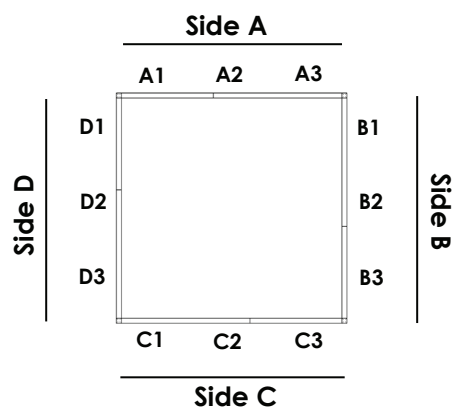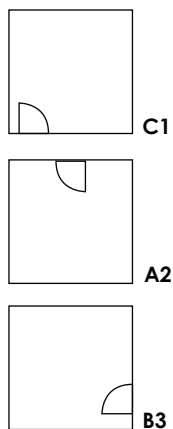
Door: C2
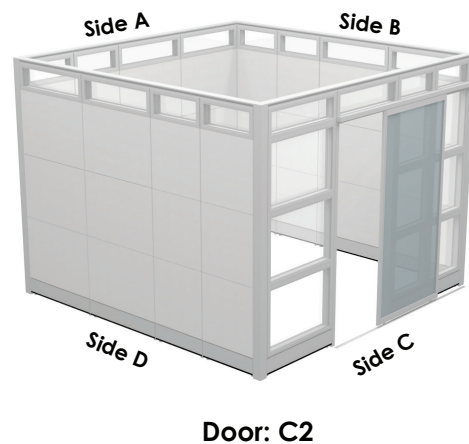
Example of Bottom Track Option

Without bottom track

With bottom track

By The Part Only   *The following are priced by the part only

Listed below are the frames for the Sapphire Wall System panels. **Prices include the frame only.**
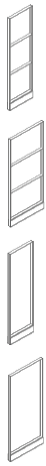
Description	SKU	Dimensions	Weight
24" X 84" Frame	SAP-2484F	24"W X 84"H	25 lb
36" x 84" Frame	SAP-3684F	36"W x 84"H	25 lb
24" x 84" Frame Full Slab	SAP-2484FFS	24"W x 84"H	25 lb
36" x 84" Frame Full Slab	SAP-3684FFS	36"W x 84"H	25 lb

Glass Stackers

Any panels 95"H or higher will have a glass stacker. 95"H panels will have a 12"H stacker. 108"H panels will have a 24"H stacker.

Description	SKU	Dimensions	Weight
24"W x 12"H Glass Stacker	SAP-PSG-2412	24"W x 12"H	20 lb
36"W x 12"H Glass Stacker	SAP-PSG-3612	36"W x 12"H	32 lb
24"W x 24"H Glass Stacker	SAP-PSG-2424	24"W x 24"H	20 lb
36"W x 24"H Glass Stacker	SAP-PSG-3624	36"W x 24"H	32 lb
36"W x 12"H Glass Door Stacker	SAP-DSG-3612	36"W x 12"H	32 lb
36"W x 24"H Glass Door Stacker	SAP-DSG-3624	36"W x 24"H	32 lb

Full Glass Tile

The Sapphire Wall System panels can come with 3 separate tiles of 25"H or one full glass tile of 84"H.

Description	SKU	Dimensions	Weight
24"W X 84"H Full Glass	SAP-GTL-2484	24"W x 84"H	120 lb
36"W X 84"H Full Glass	SAP-GTL-3684	36"W x 84"H	120 lb

Tile Options

These 25"H tiles can be customized with laminate, fabric, or glass. They can be mixed and matched within each panel
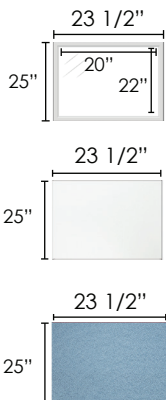
Description	SKU	Dimensions	Weight
24"W x 25"H Glass Tile	SAP-GTL-2425	24"W x 25"H	25 lb
36"W x 25"H Glass Tile	SAP-GTL-3625	36"W x 25"H	36 lb
24"W x 25"H Laminate Tile	SAP-LT-2425	24"W x 25"H	18 lb
36"W x 25"H Laminate Tile	SAP-LT-3625	36"W x 25"H	24 lb
24"W x 25"H Fabric Tile	SAP-FT-2425	24"W x 25"H	18 lb
36"W x 25"H Fabric Tile	SAP-FT-3625	36"W x 25"H	24 lb

*Glass thickness: 3/8"

Decorative Film For Glass Panels

Choose a decorative film for any of the glass tiles in the Sapphire Wall System to enhance the overall look even further.

Option 1: Single Side Glass Tile   **Option 2:** Double Side Glass Tile
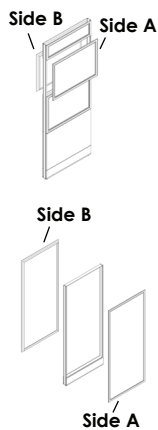
Description	SKU	Dimensions
One sided film- Side A (25"H Tiles)	SS-FILM-25	25"H
Two sided film- Side A+B (25"H Tiles)	DS-FILM-25	25"H
One sided film- Side A (84"H Tiles)	SS-FILM-84	84"H
Two sided film- Side A+B (84"H Tiles)	DS-FILM-84	84"H

*Film can be placed on one or both sides of glass

Film Styles

*Films provided by Decorative Films

Frosted Leaf

Ice Forest Static Cling

Clear Waters Horizontal

Filigree Static Cling

Asher

Crystal Lattice

Frosted Vine Static Cling
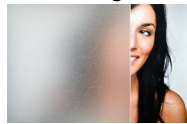
Sand Static Cling

Stones Static Cling
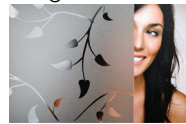
Frosted Fall Static Cling

Flicker

Mystic

Accessories

Add any of these accessories to your space to make the work day more convenient

Description	SKU	Dimensions	Weight
Pencil Holder	EPH	——	1 lb
Paper Rack	EFT	——	1 lb
Accessory Rail	SAP-24-AR	24"W	2 lb
	SAP-36-AR	36"W	2 lb
Accessory Bundle Accessory rail with paper tray and pencil holder	SAP-24-BUNDLE	24"W	4 lb
	SAP-36-BUNDLE	36"W	
Task Lights	235799-1-BS	24"W	10 lb
	235799-2-BS	36"W	10 lb
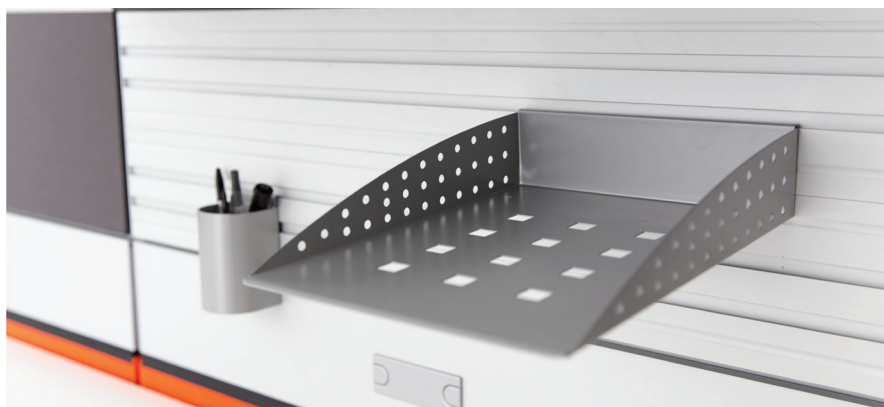
Worksurfaces

Worksurfaces can be added to any wall system and can be customized with any of our wall finsihes.

	Description	SKU	Dimensions	Weight
	Straight Worksurfaces	2424-NWS-CCODE	24"W x 24"D	13 lb
		3624-NWS-CCODE	36"W x 24"D	20 lb
		4824-NWS-CCODE	48"W x 24"D	27 lb
		6024-NWS-CCODE	60"W x 24"D	32 lb
		7024-NWS-CCODE	70"W x 24"D	39 lb
		7224-NWS-CCODE	72"W x 36"D	57 lb
	Corner Worksurface	CORNER-WWS-CCODE	35 5/8"W x 23 5/8"D x 23 5/8"W	28 lb
	Custom	3048-CUS-CCODE	30"W x 48"D	49 lb
		3060-CUS-CCODE	30"W x 60"D	49 lb
		3072-CUS-CCODE	30'W x 72"D	49 lb
		4896-CUS-CCODE	48"W x 96"D	100 lb
	120 Degree Worksurface	2436-V-CCODE	35 5/8"W x 35 5/8"W x 23 5/8"D	32 lb
		2448-V-CCODE	47 5/8"W x 47 5/8"W x 23 5/8"D	45 lb

When ordering, please specify desired color code at the end of the sku.

Laminate Color	CCODE
GRAY/WHITE	GW
SEA SALT/BLACK OAK	SSBO
DRIFTWOOD/MAPLE	DM

See pg. 13 to view laminate finishes.

Worksurface Support

Parts needed to support the worksurfaces

	Description	SKU	Dimensions	Weight
	Corner Worksurface Support	SAP-CC	3 1/4" D x 3" H (toothed side 1" W)	2 lb
	Right Cantilver	SAP-RT	2" W x 18" D x 8" H	3 lb
	Left Cantilver	SAP-LC	2" W x 18" D x 8" H	3 lb
	Double Cantilver	SAP-DC	3 1/4" W x 18" D x 8" H	3 lb
	Flat Bracket	FB	2" W x 6" D	1 lb

Support

Support options for system and worksurfaces

	Description	SKU	Dimensions	Weight
	Metal C-Leg with Wire Management	C-LEG	25 1/4" W x 2 3/4" D x 28" H	11 lb
	Box Leg	BOX-LEG	23 1/2" W x 1 1/2" D x 28" H	13 lb

*Walls over 15' are subjected to stabilizer wall.

2ft
3" — 2'

3ft
3" — 2'-11"

4ft
3" — 3'-11"

5ft
3" — 4'-11"

6ft
3" — 5'-11"

7ft
3" — 6'-11"

8ft
3" — 7'-10"

9ft
3" — 8'-10"
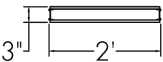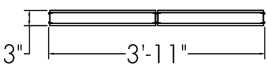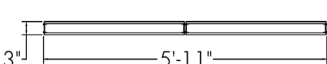
10ft
3" — 9'-10"
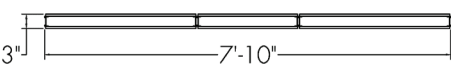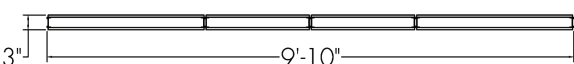
11ft
3" — 10'-10"

12ft
3" — 11'-10"
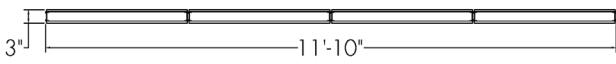
13ft
3" — 12'-10"

14ft
3" — 13'-9"
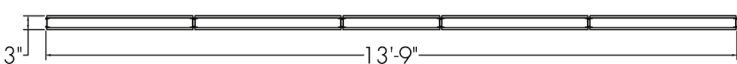
15ft
3" — 14'-9"

16ft
2'-3" — 16'
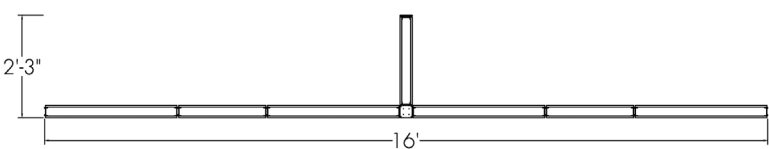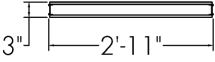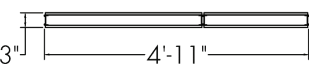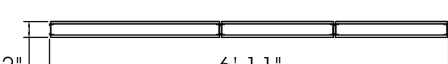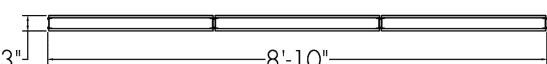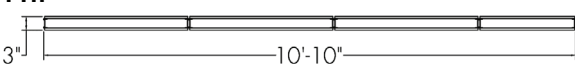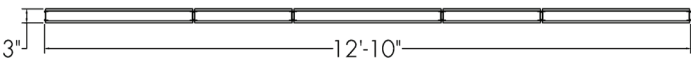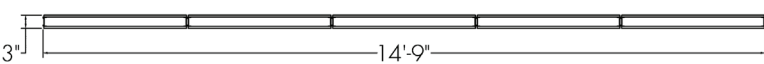
These Elements will add to the overall length of the wall

End Trim	**Wall Starter**	**Connectors**
3" ½"	3" 2"	3" 3"

00   01   02   03   04

05   06   07   08
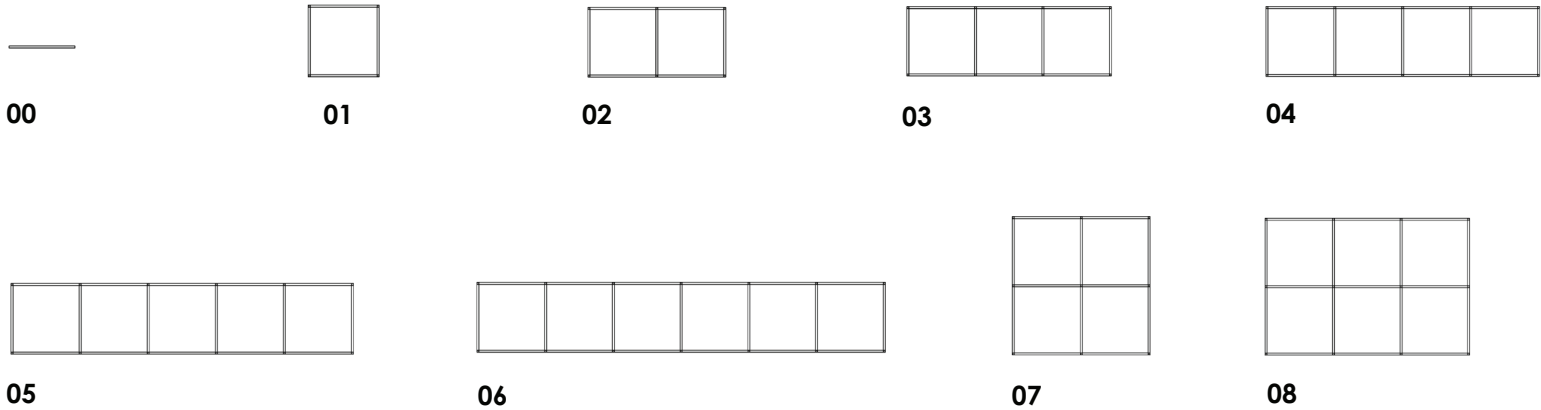
Interior Styles

*Walls over 15' are subjected to stabilizer wall.

1.

min 2'
3'
min 8'
min 7'
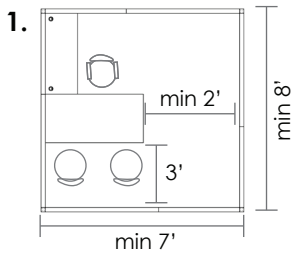
Manager
-Guest seating: 1-2

2.

min 2'
3'
min 12'
min 7'
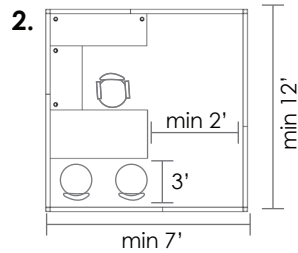
Executive
-Guest seating: 1-2

3.

3'
3'
min 9'
min 9'
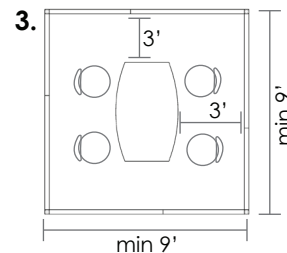
Conference/Board Room
-Number of chairs is based
 off of table size

4.

4'
3'
min 8'
min 8'
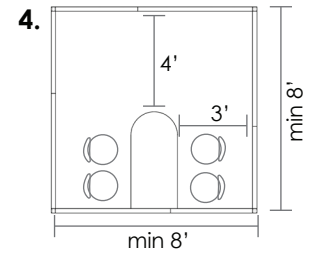
Huddle
-Number of chairs is based
 off of table size

5.

3'
min 2'
3'
min 8'
min 8'
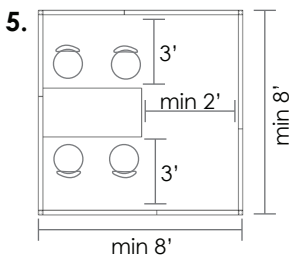
Conference/Huddle/Standalone
-Number of chairs is based
 off of purpose/use

6.

min 8'
min 5'
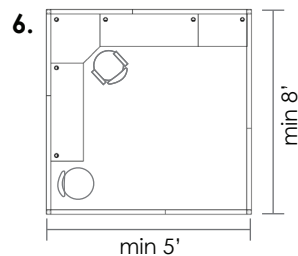
Customer Service
-Guest seating: 1

7.

6'
min 5'
min 10'
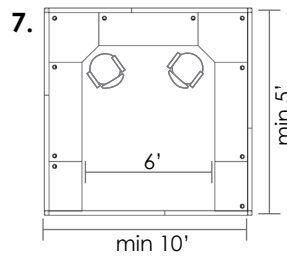
Sharing Desking- 2 people
-Guest seating can be added

8.

min 5'
min 5'
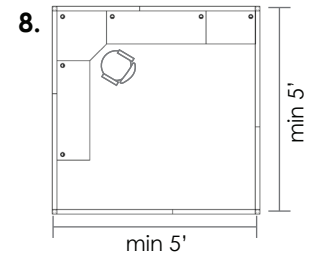
Desking
-Sizing based on door style
  -swing: on 5'-6' swing out
  -slider: 6' min
  (27-30 opening)-7' min

9.

min 5'
min 5'

Open Office

10.
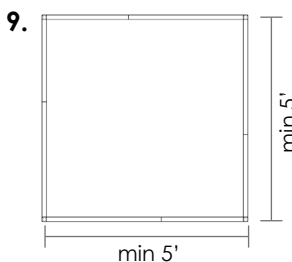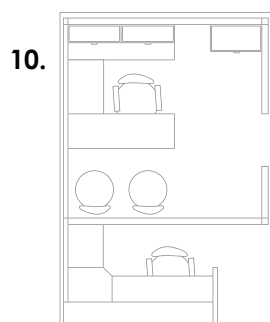
Executive with Reception

Below are example footprints of the Sapphire Wall System.

Description	SKU	Dimensions	Weight
9x84 Footprint	SAPWTYP-9x84-A-1019	9'W x 84"H	346 lb

3"
9' 3"
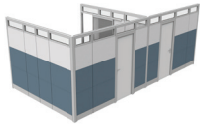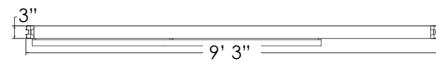
Description	SKU	Dimensions	Weight
10x10x95 Footprint	SAPWTYP-10x10x95-F-1019-01	10'W x 10'D x 95"H	2419 lb

10' 4"
20' 6"
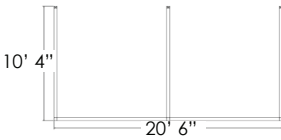
Description	SKU	Dimensions	Weight
12x12x108 Footprint	SAPWTYP-120-12x12x108xG-F-1019	10'W x 10'D x 108"H	2764 lb

View 1

View 2

15' 11"
29' 8"
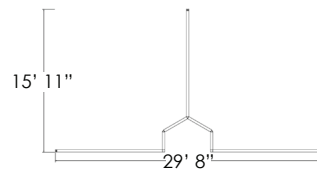
Storage

Keep your space organized with the help of these storage options.

Description	SKU	Dimensions	Weight
Box/Box/File Pedestal	BBF-F-CHAR	15 7/8"W x 19 11/16"D x 29 1/2"H	54 lb
File/File Pedestal	FF-F-CHAR	15 7/8"W x 22"D x 27 1/2"H	54 lb
30" 2 Drawer Lateral File Pedestal	LAT-F-CHAR	30" 2 Drawer Lateral File Pedestal	75 lb
Box/File Rolling Pedestal with Cushions	DIA-LMP-CUSH	20"D x 15"W x 23 1/2"H	28 lb
Wally Mobile Storage	UN-WALLY	19 1/2"L x 12 3/16"W x 20 1/8"H	--
Bookshelf Available in 26"W & 36"W	1324-BS	24"W x 12.5"D	7 lb
	1336-BS	36"W x 12.5"D	11 lb
Locking Overhead Available in 24"W & 36"W	EOC-24	24"W x 12"D x 12"H	38 lb
	EOC-36	36"W x 12"D x 12"H	47 lb

Transaction Window

Accessory Bundle

Bookshelf

Overhead Storage

Rolling Pedestal

Wally Mobile

File/File Pedestal

Box/Box/File Pedestal

Lateral File

6" Data & Electric Raceway
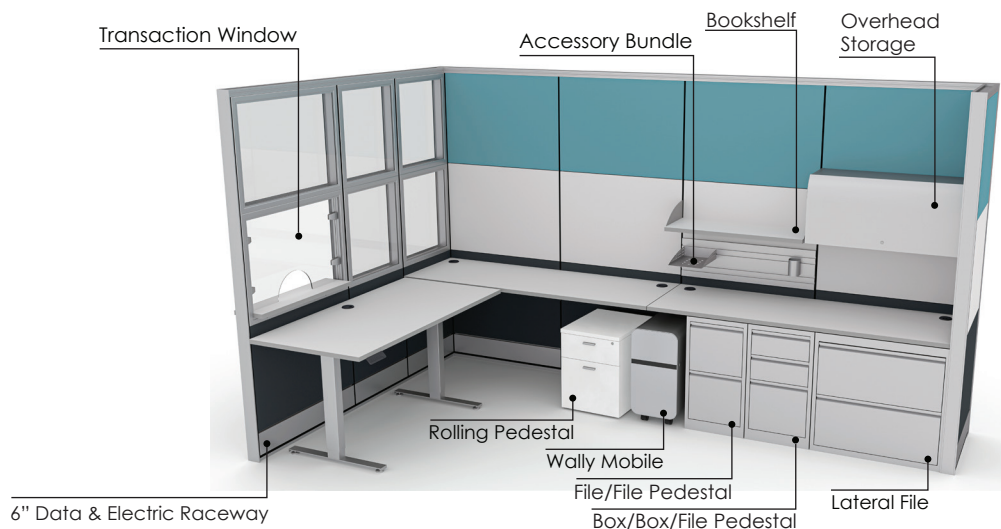
For a custom option you can replace any tile with a markerboard instead of laminate or fabric.

84"H

Markerboard

Markerboard

Markerboard

Markerboard

Markerboard

95"H

Markerboard

Markerboard

Markerboard

Markerboard

Markerboard

108"H
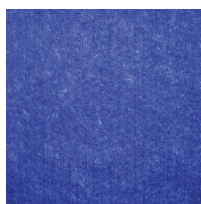
Markerboard

Markerboard

Markerboard

Markerboard

Markerboard

For a custom option you can replace any tile with PET material.

PET Color Options

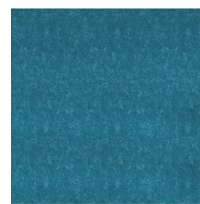|		
Black AC-44	**Blue** AC-37	**Dark Blue** AC-43
Emerald Green AC-14	**Red** AC-17	**Ocean** AC-53
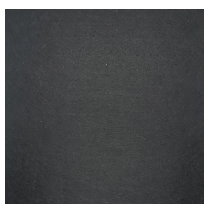
Black
AC-44

Blue
AC-37

Dark Blue
AC-43
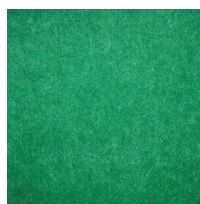
Emerald Green
AC-14
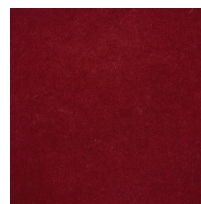
Red
AC-17

Ocean
AC-53

Orange
AC-32
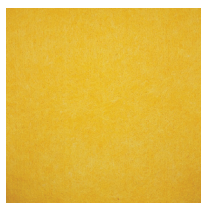
Orange Yellow
AC-23

Purple
AC-36

Sand Dune
AC-05
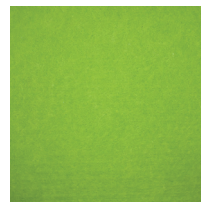
Green
AC-25

Coffee
AC-40

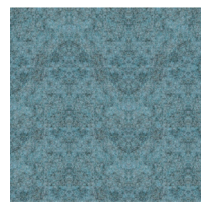**Sesame Black**
AC-12
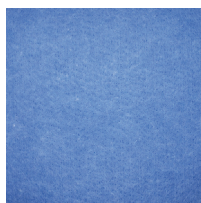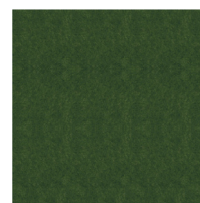
Sky Blue
AC-07

Silver Gray
AC-10

White
AC-04
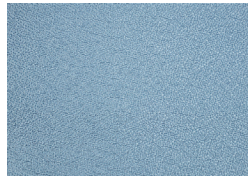
Peacock
AC-58

Seaweed
AC-65

Fabric

Our in house fabric options to customize panels of the Sapphire Wall System.

*Please note: The finish samples below are digital representations. Colors may vary. Please refer to an actual sample before finalizing your selections.

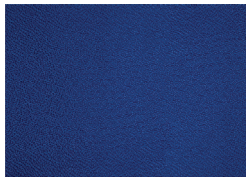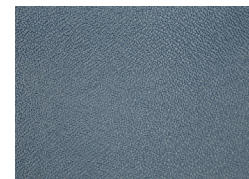|				
Banana (15-104)	Blue Lagoon (15-107)	Toffee (15-09)	Lime-Green (15-118)	Pumpkin (15-75F)
Charcoal (15-13)	Cool Aqua (15-175)	Gold (15-155)	Midnight (15-03)	Scarlet (15-164)
Royal Blue (15-167)	Sage (15-103)	Silver (15-108)	Slate (15-41)	Caramel (15-109)

Laminate For Tiles

Laminate options for the tiles of the panels.

*Please note: The finish samples below are digital representations. Colors may vary. Please refer to an actual sample before finalizing your selections.

Driftwood	**Sea Salt**	**Black Oak**	**White**

Laminate For Worksurfaces

Laminate options for the worksurfaces.

*Please note: The finish samples below are digital representations. Colors may vary. Please refer to an actual sample before finalizing your selections.
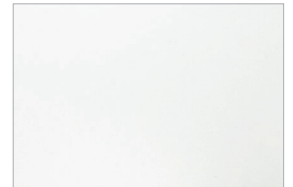
Domestic Laminates

White Cypress	**Asian Night**	**White**	**Black Cypress**
Light Gray	**Lakeland Salt**	**Blonde Surfside Ash**	**Natural Eucalyptus**
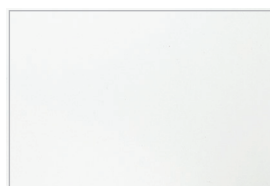
Import Laminates

Black Oak	**Driftwood**	**Maple**	**Sea Salt**

Fabric Testing
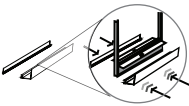
Test results of how our fabric quality holds up under certain conditions.

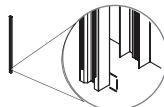| Test item	Test Standard	Unit		Test Result
				Small Pear
Color Fastness to Water	AATCC107-2002	Srain	Fading	4 4
	GB/T5713-1997	Srain	Fading	4 4
Color Fastness to Perspiration	AATCC15-2002	Srain	Fading	4 4
	GB/T3922-1997	Srain	Fading	4-5 4-5
Color Fastness to Washing	ISO 105-C03:1989	Srain	Fading	4-5 4-5
	GB/T3921.3-1997	Srain	Fading	4-5 4-5
Color Fastness to Light	ISO 105-B02:1997	Xenon-Lamp		5
	GB/T8427-1998	Xenon-Lamp		5
Color Fastness to Rubbing	AATCC8:2001	Dry	Wet	4-5 4-5
	GB/T 3920-1997	Dry	Wet	4-5 4-5
Tear Strength	ASTM D2261	Wrap	Filling	12.5 10.3
	GB/T3917.2-1997	Wrap	Filling	11 8.5
Seam Slippage Strength	ASTM D434	Wrap	Filling	17.5 22
	GB/T 13772.1-1992	Wrap	Filling	16 19.5
Seam Breaking Strength	ASTM D1683-04	Wrap	Filling	31.5 26.5
	GB/T 13773-1992	Wrap	Filling	45.9 47.7
Tensile Strength	ASTM D5034-1995-1	Wrap	Filling	87 63
	GB/T3923.2-1997	Wrap	Filling	88 65
Burst Strength	ASTM D3787	cm²		117.9
Abrasion Resistance	ASTM D4966-98 Martindale 12Kpa			over 30,000
Flammability Test Required	California Technical Bulletin117 Section E, Part I (CS191-53)			Pass
	BS 5852 Part I: 1979, Match Test			Pass
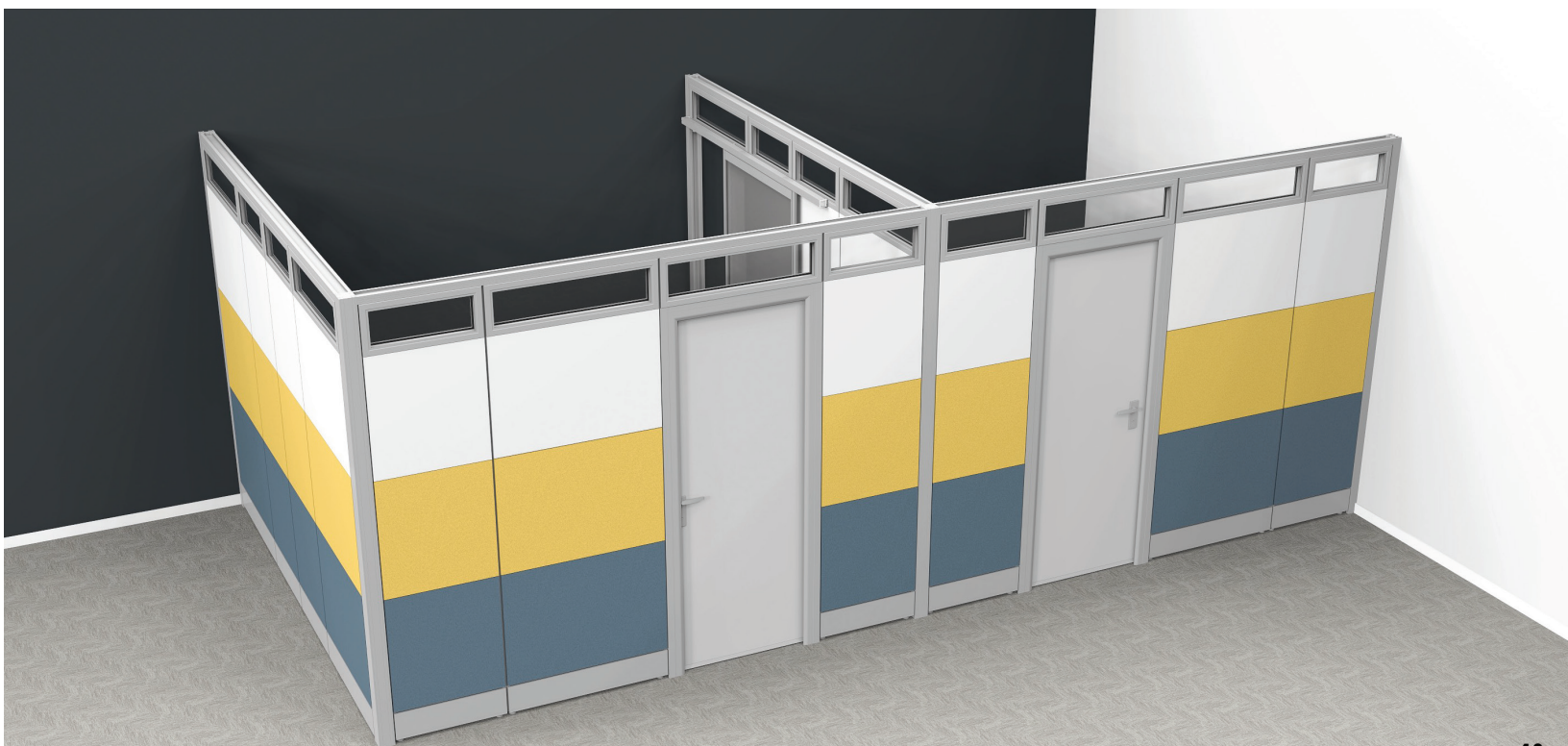
Parts needed and used for installation of the Sapphire Wall System.

		SKU	Dimensions	Weight
	Top Groove Stabilizer (Top Beam 10' runs, cut to size)	SAP-TB	10' runs (cut to size)	13 lb
	Stack-up Connector	SAP-SUC	——	2 lb
	Hex Bolts	HEX	——	1 lb
	Sheet Metal Screws	SMSCR	——	1 lb
	Light Blocker (Small/Large)	SAP-LT-SMALL-BLK SAP-LT-LG-BLK	——	1 lb
	End Trim	SAP-108-ET	108"	3 lb
	Wall Starter	SAP-WS	84" Wall Starter 96" Wall Starter 108" Wall Starter	10 lb 10 lb 10 lb
	Bottom Track - Optional (see below)	SAP-BG	——	9.5 lb

Without Bottom Track

With Bottom Track

Connectors

Connectors are needed to create a 2-way, 3-way, 4-way, or 120 degree angle.

	Description	SKU	Dimensions	Weight
	4-Way Connector	SAP-84-4WAY SAP-95-4WAY SAP-108-4WAY	84" 4-Way Connector 95" 4-Way Connector 108" 4-Way Connector	10 lb
	3-Way Connector	SAP-84-3WAY SAP-95-3WAY SAP-108-3WAY	84" 3-Way Connector 95" 3-Way Connector 108" 3-Way Connector	10 lb
	2-Way Connector	SAP-84-2WAY SAP-95-2WAY SAP-108-2WAY	84" 2-Way Connector 95" 2-Way Connector 108" 2-Way Connector	10 lb
	Straight Panel to Panel Connector	SAP-84-PP SAP-95-PP SAP-108-PP	84" Panel to Panel Connector 95" Panel to Panel Connector 108" Panel to Panel Connector	10 lb
	120 Degree 2-Way Connector	SAP-84-120-2WAY SAP-95-120-2WAY SAP-108-120-2WAY	84" 120° Connector 95" 120° Connector 108" 120° Connector	10 lb
	120 Degree 3-Way Connector	SAP-84-120-3WAY SAP-95-120-3WAY SAP-108-120-3WAY	84" 120° Connector 95" 120° Connector 108" 120° Connector	10 lb

Electric and Data can be added to the baseline of each panel using the 6" electric and data raceways.

Description	SKU	Dimensions	Weight
31" Flex Cable	31-8W-4C	31"	2 lb
54" Flex Cable	54-8W-4C	54"	2 lb
68" Flex Cable	68-8W-4C	68"	3 lb
NYC Base Power Feed with Junction Box and 60" Whip	8W-4C-BASE	60"	4 lb
8 Wire, 4 Circuit Double Sided Power Module	8W-4C-DS	——	1 lb
Black Blank Outlet	BLANK-REC-8W-4C	——	1 lb
8W-4C 1 Receptacle Circuit	1-REC-8W-4C	——	1 lb
8W-4C 2 Receptacle Circuit	2-REC-8W-4C		1 lb
8W-4C 4 Receptacle Circuit	4-REC-8W-4C	——	1 lb
8W-4W Dedicated Orange Circuit Used for large machines (ex. lg. printers)	3-REC-8W-4C-ISOLATED	——	1 lb
Wire Snake	WM-SN	——	1 lb
Phone Jack	AT34-15	——	1 lb
CAT 6 Jack	AT66-20	——	1 lb
Data Blank	AT31-00	——	1 lb
Filler Cap For Data Plates	FILL-CAP	——	1 lb
Data Plate	AT4FM	——	1 lb

Sapphire Wall System Electric Raceway -Closed

Sapphire Wall System Electric Raceway -Open

⚠ FINAL CONNECTION IS DONE BY A LICENSED ELECTRICIAN

WARNING: Risk of fire or electric shock. As with all non-directional systems, do not electrically connect panel to more 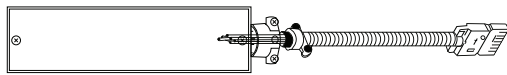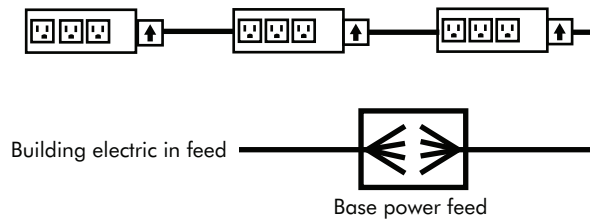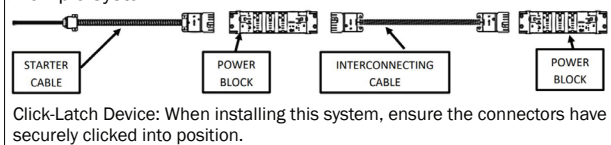than one supply source. Always determine that the panel is electrically connected to one and only one source of supply. Before using any equipment, check the entire system for polarity, continuity, and grounding integrity.

Example System

STARTER CABLE

POWER BLOCK

INTERCONNECTING CABLE

POWER BLOCK

Click-Latch Device: When installing this system, ensure the connectors have securely clicked into position.

Building electric in feed

Base power feed

8 WIRE 3 CIRCUIT DIAGRAM (83 SYSTEM)

3 H	BLUE
3 G	GREEN/YELLOW
1-2 G	GREEN
3 N	GRAY
1 N	WHITE
1 H	BLACK
2 H	RED
2 N	WHITE/BLACK

3 IG   2   1
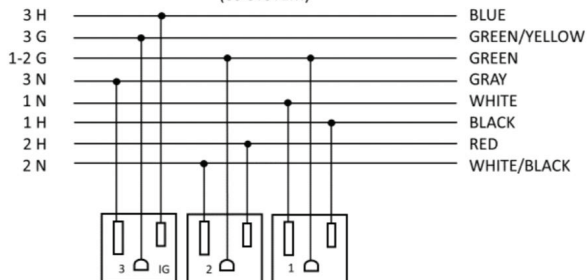
Power Supply Connection

The Power System is an eight wire system consisting of four individual circuits rated at 20 amps/120 volts maximum. Circuit 1 (black), circuit 2 (red), and circuit 4 (pink), are served by a system neutral (white) and an equpiment ground (green). Circuit 3 (blue) uses an isolated neutral (gray), and an isolated ground (green/yellow). The system may be supplied by a three phase power system with four individual circuits rated 20 amps/120 volts maximum, or as perimtted by local code.

When connecting electric pass throughs to power moduals, please make sure ARROW is up

Outlet Layout Options

O1

OUTLET - BLANK - BLANK

O2

OUTLET - OUTLET - BLANK

O3

OUTLET - OUTLET - OUTLET

O4

OUTLET - DEDICATED* - BLANK

O5

OUTLET - DEDICATED* - OUTLET

O6

BLANK - DEDICATED* - BLANK

***PLEASE NOTE:** Orange is used to represent the dedicated outlet. The actual color of the outlet is **black.**

EMERALD Cubicles come with style #225 Outlets.
SAPPHIRE Cubicles come with style #325 Outlets.

DM1

CAT 6 - Blank - Blank - Blank

DM2

CAT 6 - CAT 6 - Blank - Blank

DM3

CAT 6 - CAT 6 - CAT 6 - Blank

DM4

CAT 6 - CAT 6 - CAT 6 - CAT 6

DM5

CAT 6 - Phone Jack - Blank - Blank

DM6

CAT 6 - CAT 6 - Phone Jack - Blank

DM7

CAT 6 - CAT 6 - CAT 6 - Phone Jack

All Modules can be customized to customers specifications. Please call to review options with one of our sales representatives. Color of jacks may vary.

Choose to add additional acoustic to your system using this rockboard. Below are the test results of its performance.

ROCKBOARD® 40 – Acoustical Performance

	ASTM C 423 CO-EFFICIENTS AT FREQUENCIES						
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.07	0.32	0.77	1.04	1.05	1.05	0.80
2.0"	0.26	0.68	1.12	1.10	1.03	1.04	1.00
4.0"	1.03	1.07	1.12	1.04	1.07	1.08	1.10

ROCKBOARD® 60 – Acoustical Performance

	ASTM C 423 CO-EFFICIENTS AT FREQUENCIES						
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.08	0.33	0.78	1.03	1.02	1.04	0.80
2.0"	0.32	0.81	1.06	1.02	0.99	1.04	0.95

ROCKBOARD® 80 – Acoustical Performance

	ASTM C 423 CO-EFFICIENTS AT FREQUENCIES						
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.11	0.31	0.82	1.01	1.02	1.01	0.80
2.0"	0.43	0.78	0.90	0.97	0.97	1.00	0.90

Environmentally Sustainable

Our stone wool production process uses some of the most advanced technology available. The last decade has seen a new generation of ROXUL manufacturing advancements designed to lower our environmental footprint. These endeavors have included:

- the capture and recycling of rainwater;
- reduction in energy consumption;
- recycling of raw materials back into the production process;
- the use of natural lighting in our facilities; and
- repurposing water used during the manufacturing process.

Moisture Resistance

ROCKBOARD® 40/60/80 ASTM C 1104	Moisture Sorption	<0.08%

Fungi Resistance

ROCKBOARD® 40/60/80 ASTM C 1338	Determination of Fungi Resistance	Passed

Thermal Resistance

ROCKBOARD® 40/80 ASTM C 518 (C 177)	R-value/inch @ 75 °F RSI value/25.4 mm @ 24 °C	4.1 hr.ft².F/BTU 0.72 m²K/W
ROCKBOARD® 60 ASTM C 518 (C 177)	R-value/inch @ 75 °F RSI value/25.4 mm @ 24 °C	4.2 hr.ft².F/BTU 0.72 m²K/W

Maximum Service Temperature

ROCKBOARD® 40/60/80	ASTM C 411	Hot Surface Performance In Compliance with ASTM C 612 @ 1200 °F (650 °C)

Fire Performance

ROCKBOARD® 40/60/80 CAN4 S114	Test for Non-Combustibility	Non-Combustible
ROCKBOARD® 40/60/80 ASTM E 84(UL 723)	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
ROCKBOARD® 40/60/80 CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0

Temperature Development in a Standard Fire (ASTM E119)
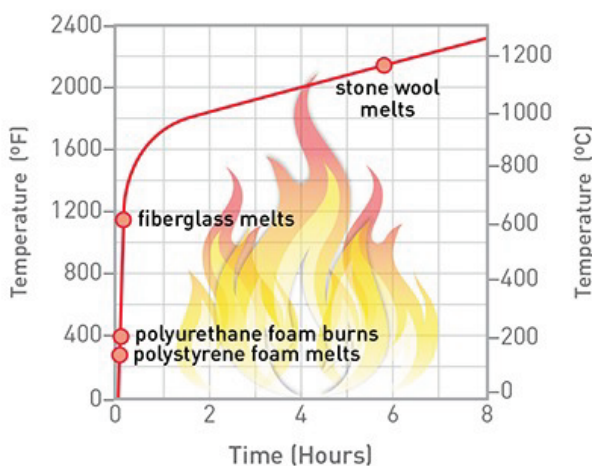
Compliance and Performance

ROCKBOARD® 40 ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IVA, Complies
ROCKBOARD® 60/80 ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IVB, Complies

Installing the rockboard in the sapphire system.

Rockboard fits in between the laminate tiles on the system.

Rockboard inside
of panel

Fully assembled with laminate
tile over rockboard

Part I. Test Conducted:

ANSI/BIFMA X5.6-2016 Panel Systems - Tests.

Test and Requirements	Test Results
4 Panel Flammability Test The Flame Spread (FS) index shall be 200 or less. The Smoke Developed (SD) index shall be 450 or less. If the Smoke Developed index exceeds 450, the product shall be labeled to indicate that the Smoke Developed index exceeds 450.	PASS FSI: 55 SDI:200

Test and Requirements	Test Results
14 Wear and Fatigue Test for Vertically Hinged and Horizontally Sliding Access Doors Cycle the door for a total of 20,000 cycles. The cyclic rate shall be 8 ± 4 cycles per minute unless the rate is controlled by the door operating mechanisms. There shall be no loss of serviceablility to the door unit or its components.	PASS

Predicted Concentrations in the defined Typical Office Environment of a Single Office Workstation:

Compounds	Unit	Concentration		Limits of indoor air concentration	
		Office1	Office2	Systems Furniture	Seating
TVOCtoluene	mg/m³	0.007	0.003	≤ 0.5	≤ 0.25
Formaldehyde	ppb	5.657	2.449	≤ 50	≤ 25
Total Aldehydes	ppb	6.546	2.833	≤ 100	≤ 50
4-Phenylcyclohexene	mg/m³	ND	ND	≤ 0.0065	≤ 0.00325

ND=not detectable

Remark:

1. Office 1: Typical open plan office environment, its clean air ventilation rate $Q_0= 15.0 m^3/h$ or $Q_0=24.8 m^3/h$ (for seating)

2. Office 2: Typical private office environment, its clean air ventilation rate $Q_0=34.7 m^3/h$ or $Q_0=24.8 m^3/h$ (for seating)

3. Data at the 168th hour was used to calculate and compare with the emission limits.