

2017 Special-Lite

FRP/ALUMINUM HYBRID DOORS

FRP/Aluminum Hybrid Door

Special-Lite was the first to introduce the FRP/Aluminum Flush Door in 1981 – our SL-17

Special-Lite® SL-17 pebble grain doors were first designed to offer a solution to the school market by offering a door product that would have a long, maintenance-free life and dent/graffiti resistance for tough applications. It didn't take long for the SL-17 to be synonymous with School Door. Over the next 30+ years, with advancements in materials and technology, this door moved from schools to many other high abuse and heavy traffic locations.

Features & Benefits

- Manufactured with stiles and rails of extruded 6063-T6 aluminum alloy.
- Stiles and rails are joined with mitered corners and angle blocks secured by 3/8" diameter full-width galvanized steel tie rods.
- Standard and optional internal reinforcements provide secure attachment for the exact hardware specified.
- Face sheets are rabbeted and secured on all four sides by full-length integral reglets on the edges of the stiles and rails to form a truly flush door.
- SpeLite3® face sheets are .120" thick and provide scratch, scuff and fade resistance and will never rust, corrode, crack, split, peel or rot.
- Face sheets available in standard through-molded colors so scratches will not be obvious.
- Color match available in painted pebble grain sheet.
- Poured-in-place closed cell urethane core that is a minimum of 5 lb./cubic foot density.
- Doors can be supplied with hardware installed, reinforced only, or prepped for field installation of hardware.
- All anodized finishes are Class 1 (.7 mil).
- Unique configurations such as arched doors, odd sizes, unequal pairs, monorail cut-outs, dutch or bi-fold doors and custom lites are no problem.
- Thermal performance — minimum U-value/R-value = .29U/3.45R



At the Core of our Door's Strength is our Door's Core

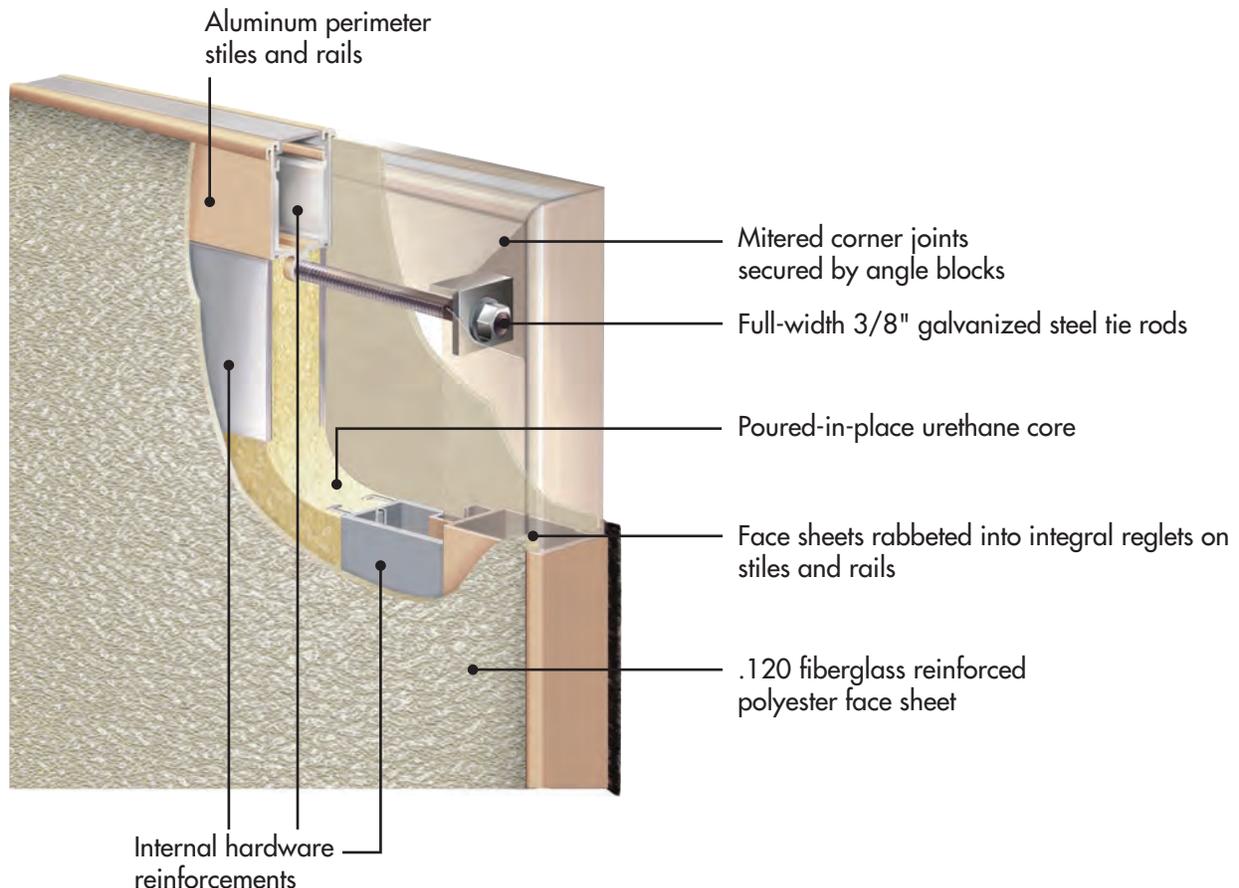
The poured-in-place urethane core of our SL-17 is not just a passive filler — it's a functional component that contributes significantly to the durability of Special-Lite® Doors. After the door has been completely assembled, the core material is injected using our proprietary foam injection technology, ensuring a complete fill with a minimum five pounds per cubic foot density.

This strong, lightweight, structural urethane foam bonds firmly to the rails, stiles, reinforcements and face sheets to transform the door into a solid, completely sealed unit with incredible impact resistance and flexural strength. Our urethane foam won't absorb or be damaged by water.

Building Applications

For problem entrances or challenging environments, you can't beat the super tough SL-17. It is the informed choice for K-12 schools, public buildings, sports complexes, water and wastewater treatment facilities, and other applications that quickly damage or even destroy lesser doors.

SL-17 Door Construction



FRP/Aluminum Hybrid Door

Classic 6-Panel Doors Designed to Meet the Aesthetic Considerations of Georgian & Colonial Style Architecture

Special-Lite® SL-18 Colonial Wood Grain Doors combine traditional styling with the advantages of modern engineering and materials to deliver high performance and long life. They feature a remarkable fiberglass face sheet material that offers the attractive appearance of wood, with all the advantages of fiberglass.

Features & Benefits

Aluminum chassis with proven flexural strength

- Manufactured with stiles and rails of extruded 6063-T6 aluminum alloy.
- Stiles and rails are joined with mitered corners and angle blocks secured by 3/8" diameter full-width galvanized steel tie rods.
- All anodized finishes are Class I (.7 mil).
- Standard and optional internal reinforcements provide secure attachment for the exact hardware specified.

Fiberglass wood grain face sheet

- Face sheets are rabbeted and secured on all four sides by full-length integral reglets on the edges of the stiles and rails to form a truly flush door.
- SL-18 AMP (acrylic modified polyester) face sheets are .120" thick, authentic **oak species** wood grain replication, similar to our SL-19 door. Unlike wood doors, the fiberglass will never warp, split, peel or rot.
- You can achieve the rich look of real stained wood with our selection of six natural wood stain colors, painted to match any of our available Kynar 500®, or any painted color*.
- Any size up to 48" wide x 96" tall.

Core has great thermal performance

- Poured-in-place closed cell urethane core that is a minimum of 5 lb./cubic foot density.

Unlimited customization

- Doors can be supplied with hardware installed, reinforced only, or prepped for field installation of hardware.
- Unique configurations such as arched doors, odd sizes, unequal pairs and custom lites are no problem.



*See website product pages for color selections available. Colors are subject to change without notice.



Wood Grain FRP Accurately Captures the Natural Grain Characteristics

Beautiful look of natural oak wood manufactured into a long lasting, low maintenance fiberglass door. The fiberglass surface offers a degree of resistance to stains, scuffs and impacts that would easily damage wood. It's also resistant to the elements and corrosive environments – even coastal salt spray – and offers excellent cleanability.

At the Core of our Door's Strength is our Door's Core

The poured-in-place urethane core of our SL-18 is not just a passive filler — it's a functional component that contributes significantly to the durability of Special-Lite® Doors. After the door has been completely assembled, the core material is injected using our proprietary foam injection technology, ensuring a complete fill with a minimum five pounds per cubic foot density. This strong, lightweight, structural urethane foam bonds firmly to the rails, stiles, reinforcements and face sheets to transform the door into a solid, completely sealed unit with incredible impact resistance and flexural strength. Our urethane foam won't absorb or be damaged by water, and offers great thermal properties.

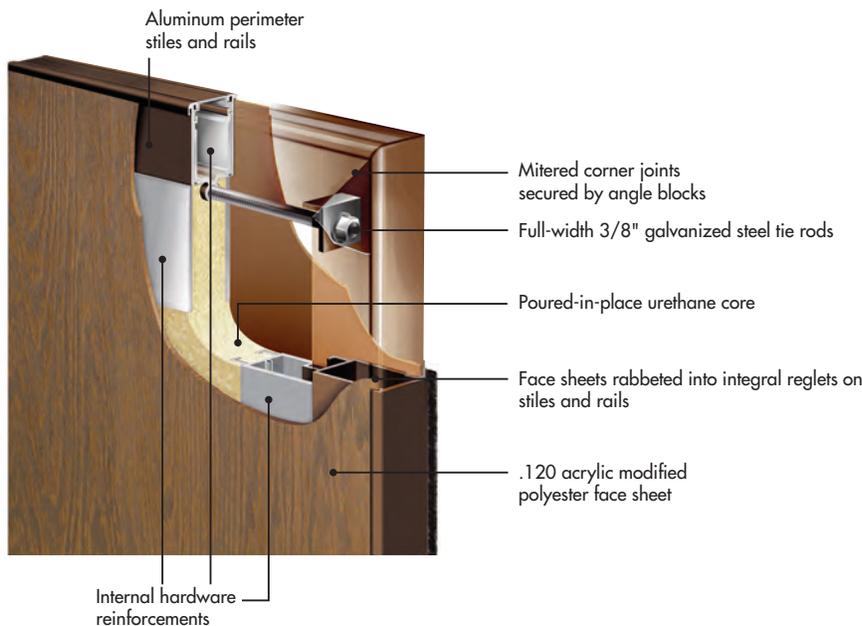
Building Applications

Whether for new construction or historic preservation projects, an investment in AMP colonial doors will pay dividends in attractiveness and durability for years to come. They are durable enough for even high traffic entrances in education, religious, retail and municipal facilities that call for the classic appearance of a wood door.

Color Selections

The FRP/Aluminum Hybrid Doors have two color decisions that must be made: aluminum chassis and face sheet. Aluminum chassis can be anodized or painted. Face sheets can be stained in a natural wood look, or they can be painted. See color chips, available from the online shopping cart, for final color decision.

SL-18 Door Construction



Special-Lite, Inc.

P.O. Box 6 • Decatur, MI 49045

special-lite.com

800.821.6531

Item 1240

5M 11/16 PC



Special-Lite®

FRP/Aluminum Hybrid Door

Choose between a rustic or contemporary style fiberglass wood grain flush door

Both the Special-Lite® SL-19 Rustic Wood Grain Door and the SL-19-1 Contemporary Wood Grain Door offer the attractive appearance of wood, with all the advantages of fiberglass. Unlike wood doors, the fiberglass will never warp, split, peel or rot.

Features & Benefits

Aluminum chassis with proven flexural strength

- Manufactured with stiles and rails of extruded 6063-T6 aluminum alloy.
- Stiles and rails are joined with mitered corners and angle blocks secured by 3/8" diameter full-width galvanized steel tie rods.
- All anodized finishes are Class I (.7 mil).
- Standard and optional internal reinforcements provide secure attachment for the exact hardware specified.

Fiberglass wood grain face sheet

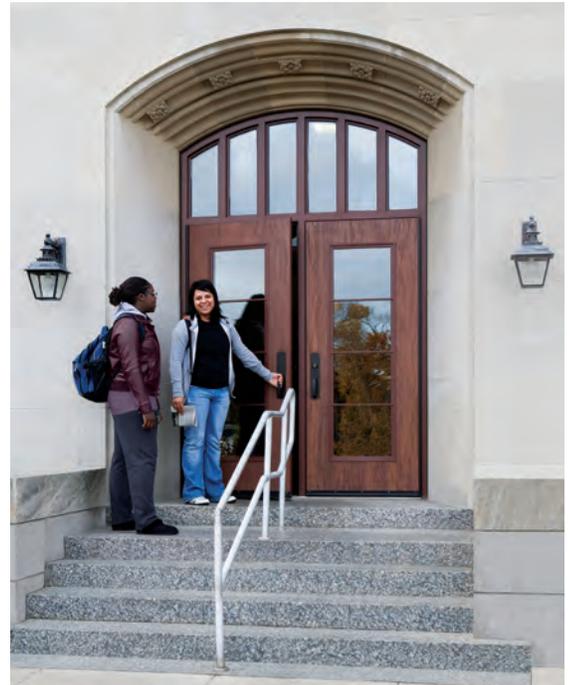
- Face sheets are rabbeted and secured on all four sides by full-length integral reglets on the edges of the stiles and rails to form a truly flush door.
- SL-19 AMP (acrylic modified polyester) face sheets are .120" thick, authentic **oak species** wood grain replication. Achieve the rich look of real stained wood with our selection of six natural wood stain colors, or painted any color*. The max door size is 48" wide x 96" tall.
- SL19-1 face sheets are .120" thick Class A, authentic **cherry species** wood grain replication. Available in four standard stain colors, or painted any color. The max door size is 42" wide x 100" tall.

Core has great thermal performance

- Poured-in-place closed cell urethane core that is a minimum of 5 lb./cubic foot density.

Unlimited customization

- Doors can be supplied with hardware installed, reinforced only, or prepped for field installation of hardware.
- Unique configurations such as arched doors, odd sizes, unequal pairs and custom lites are no problem.



*See website product pages for color selections available. Colors are subject to change without notice.



SL-19 face sheet*
(rustic)



SL-19-1 face sheet*
(contemporary)



Wood Grain FRP Accurately Captures the Natural Grain Characteristics

Beautiful look of natural wood manufactured into a long lasting, low maintenance fiberglass door. It can be specified with custom vision lites to create just the functionality and style desired. The fiberglass surface offers a degree of resistance to stains, scuffs and impacts that would easily damage wood. It's also resistant to the elements and corrosive environments – even coastal salt spray – and offers excellent cleanability.

At the Core of our Door's Strength is our Door's Core

The poured-in-place urethane core of our fiberglass wood grain doors is not just a passive filler — it's a functional component that contributes significantly to the durability of Special-Lite® Doors. After the door has been completely assembled, the core material is injected using our proprietary foam injection technology, ensuring a complete fill with a minimum five pounds per cubic foot density. This strong, lightweight, structural urethane foam bonds firmly to the rails, stiles, reinforcements and face sheets to transform the door into a solid, completely sealed unit with incredible impact resistance and flexural strength. Our urethane foam won't absorb or be damaged by water, and offers great thermal properties.

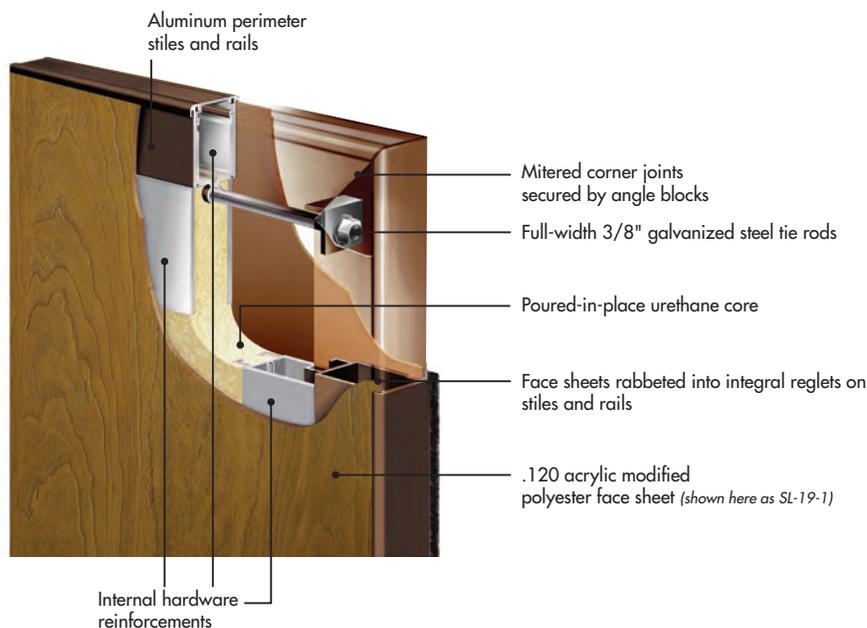
Building Applications

Durable enough for high traffic entrances in education, religious, restaurants, retail, health and municipal facilities that call for the classic appearance of a wood door.

Color Selections

The FRP/Aluminum Hybrid Doors have two color decisions that must be made: aluminum chassis and face sheet. Aluminum chassis can be anodized or painted. Face sheets can be stained in a natural wood look (SL-19 and SL-19-1 have different standard stain colors), or they can be painted. If a painted wood door is desired, the SL-19 has a deeper, more pronounced grain; the SL-19-1 has a smoother, wood grain appearance. See color chips, available from the online shopping cart, for final color decision.

SL-19 & SL-19-1 Door Construction



Special-Lite, Inc.

P.O. Box 6 • Decatur, MI 49045

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800.821.6531

Item 1239

5M 11/16 PC



Special-Lite®

FRP/Aluminum Hybrid Door

The SL-20 is constructed as tough as the SL-17, but with a softer, smoother appearance

The Special-Lite® SL-20 FRP/Aluminum Hybrid Door is strong, yet aesthetically-pleasing with its exclusive, exterior-grade sandstone-textured FRP surface finish. Tough enough for all your high traffic exterior entrance locations, but also attractive enough to complement indoor spaces. The SL-20 has the same durable construction as the SL-17 for long life and low maintenance and is available in many prominent architectural through-colors.

Features & Benefits

- Manufactured with stiles and rails of extruded 6063-T6 aluminum alloy.
- Stiles and rails are joined with mitered corners and angle blocks secured by 3/8" diameter full-width galvanized steel tie rods.
- Standard and optional internal reinforcements provide secure attachment for the exact hardware specified.
- Face sheets are rabbeted and secured on all four sides by full-length integral reglets on the edges of the stiles and rails to form a truly flush door.
- Face sheets are .120" thick sandstone-textured FRP and will never rust, corrode, crack, split, peel or rot.
- Face sheets available in standard through-molded colors so scratches will not be obvious (max size = 4' x 8').
- Color match available in painted sandstone-texture sheet.
- Poured-in-place closed cell urethane core that is a minimum of 5 lb./cubic foot density.
- Doors can be supplied with hardware installed, reinforced only, or prepped for field installation of hardware.
- All anodized finishes are Class I (.7 mil).
- Unique configurations such as arched doors, odd sizes, unequal pairs, dutch or bi-fold doors and custom lites are no problem.
- Thermal performance — minimum U-value/R-value = .29U/3.45Rp



At the Core of our Door's Strength is our Door's Core

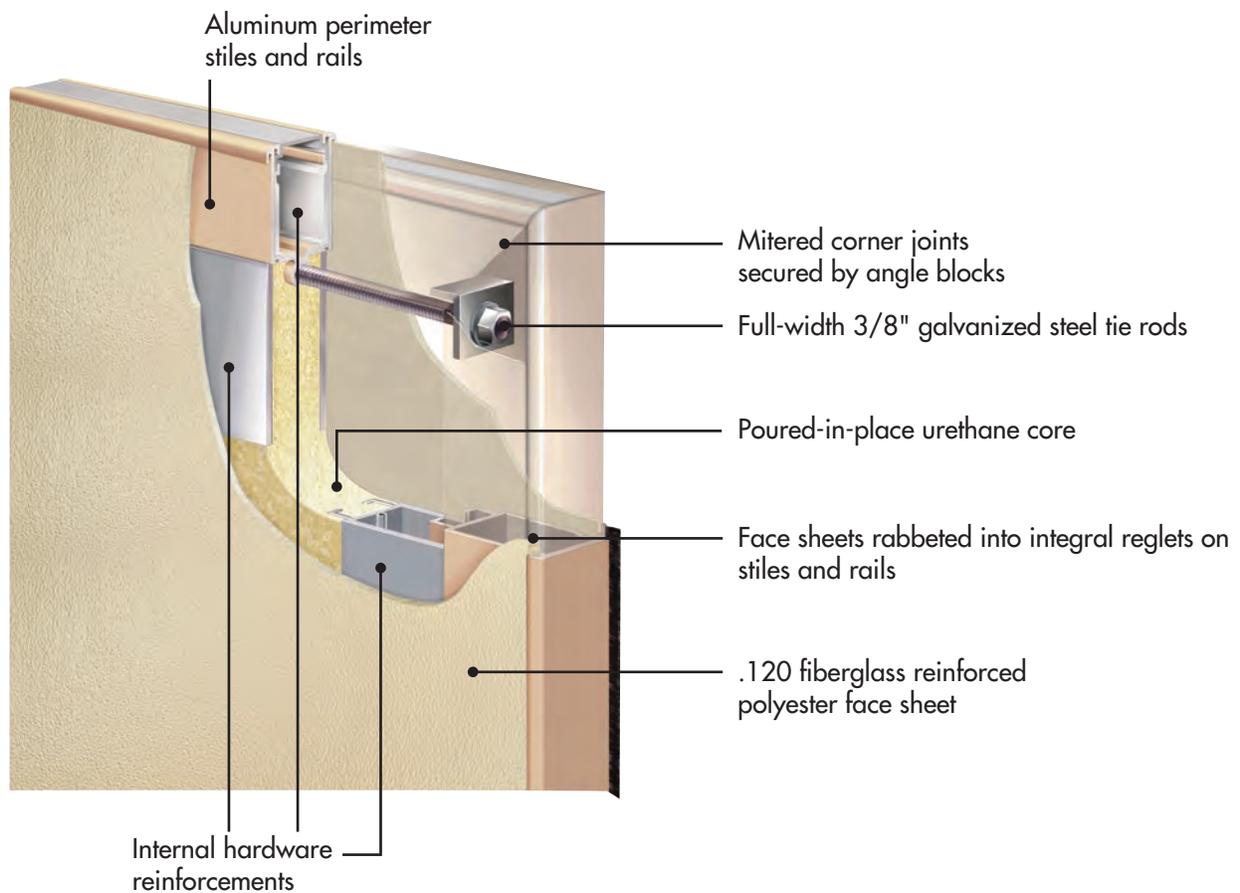
The poured-in-place urethane core of our SL-20 is not just a passive filler — it's a functional component that contributes significantly to the durability of Special-Lite® Doors. After the door has been completely assembled, the core material is injected using our proprietary foam injection technology, ensuring a complete fill with a minimum five pounds per cubic foot density.

This strong, lightweight, structural urethane foam bonds firmly to the rails, stiles, reinforcements and face sheets to transform the door into a solid, completely sealed unit with incredible impact resistance and flexural strength. Our urethane foam won't absorb or be damaged by water.

Building Applications

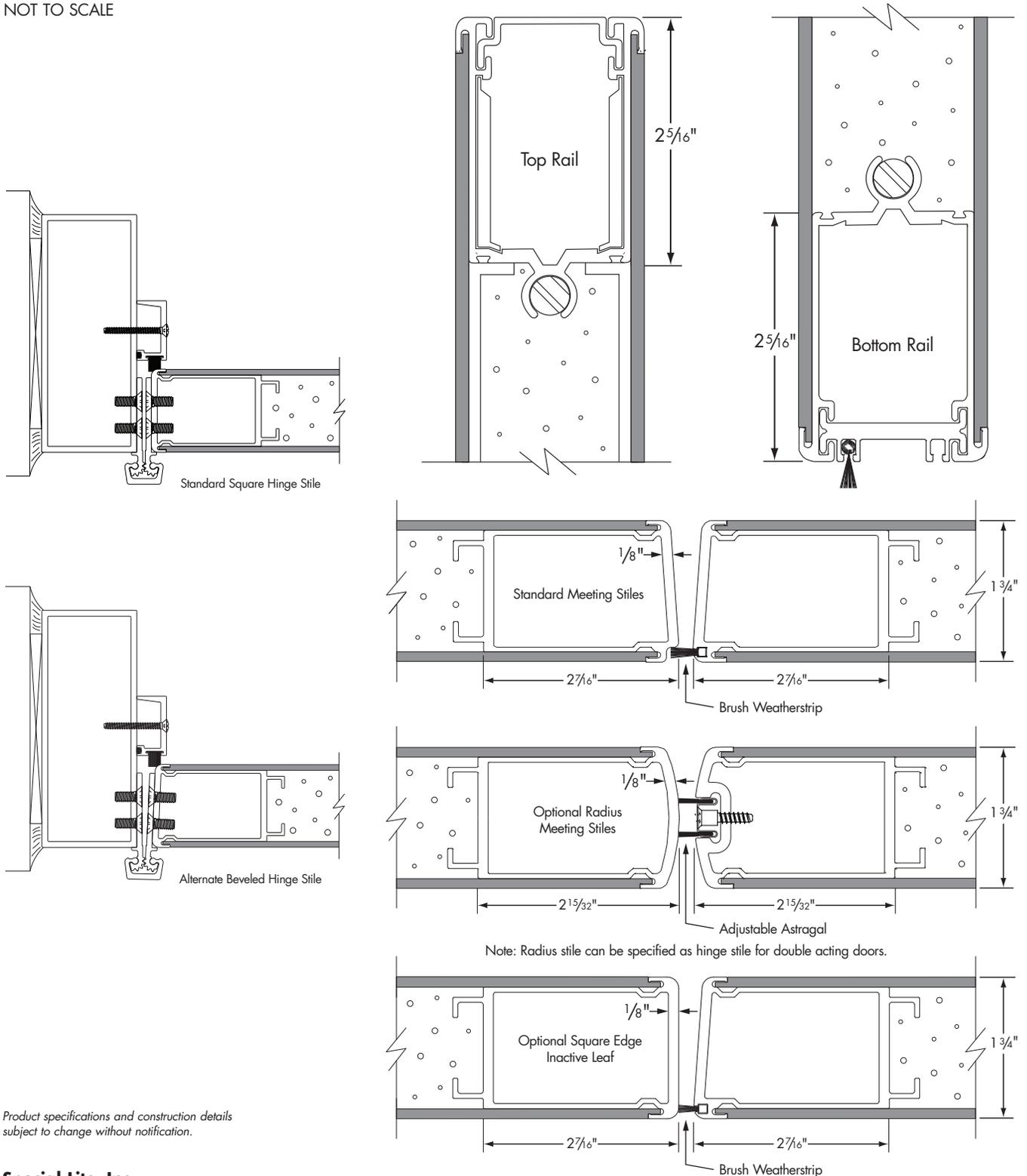
The SL-20 features an aesthetically-pleasing, fine-grained surface finish. This door withstands high traffic, improves security and increases energy savings. Building types include: public buildings, schools, universities, dorm rooms, government, restaurants, hotels, healthcare, fitness and sports buildings.

SL-20 Door Construction



FRP/Aluminum Hybrid Door Detail

NOT TO SCALE

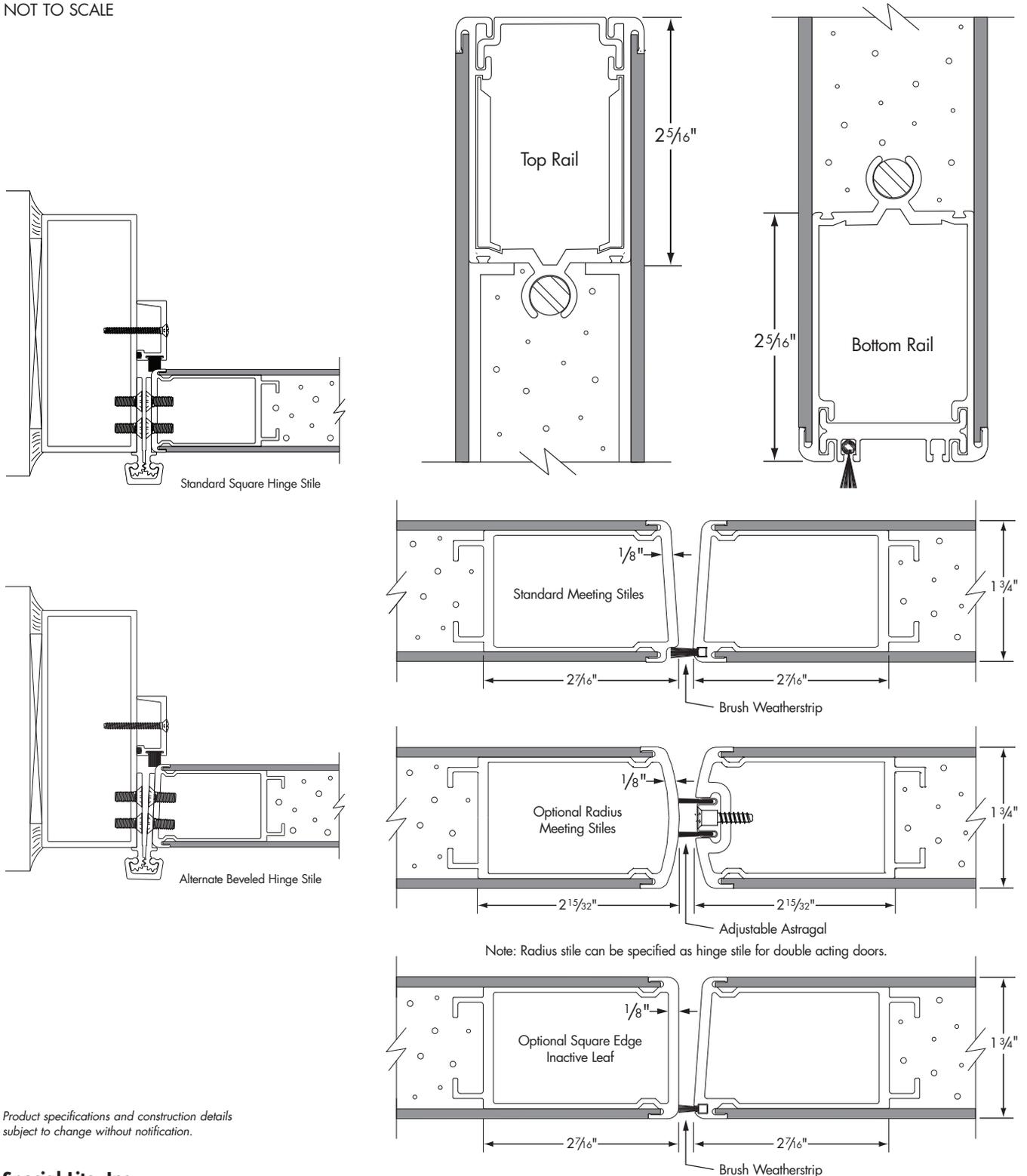


Note: Radius stile can be specified as hinge stile for double acting doors.

Product specifications and construction details
 subject to change without notification.

FRP/Aluminum Hybrid Door Detail

NOT TO SCALE

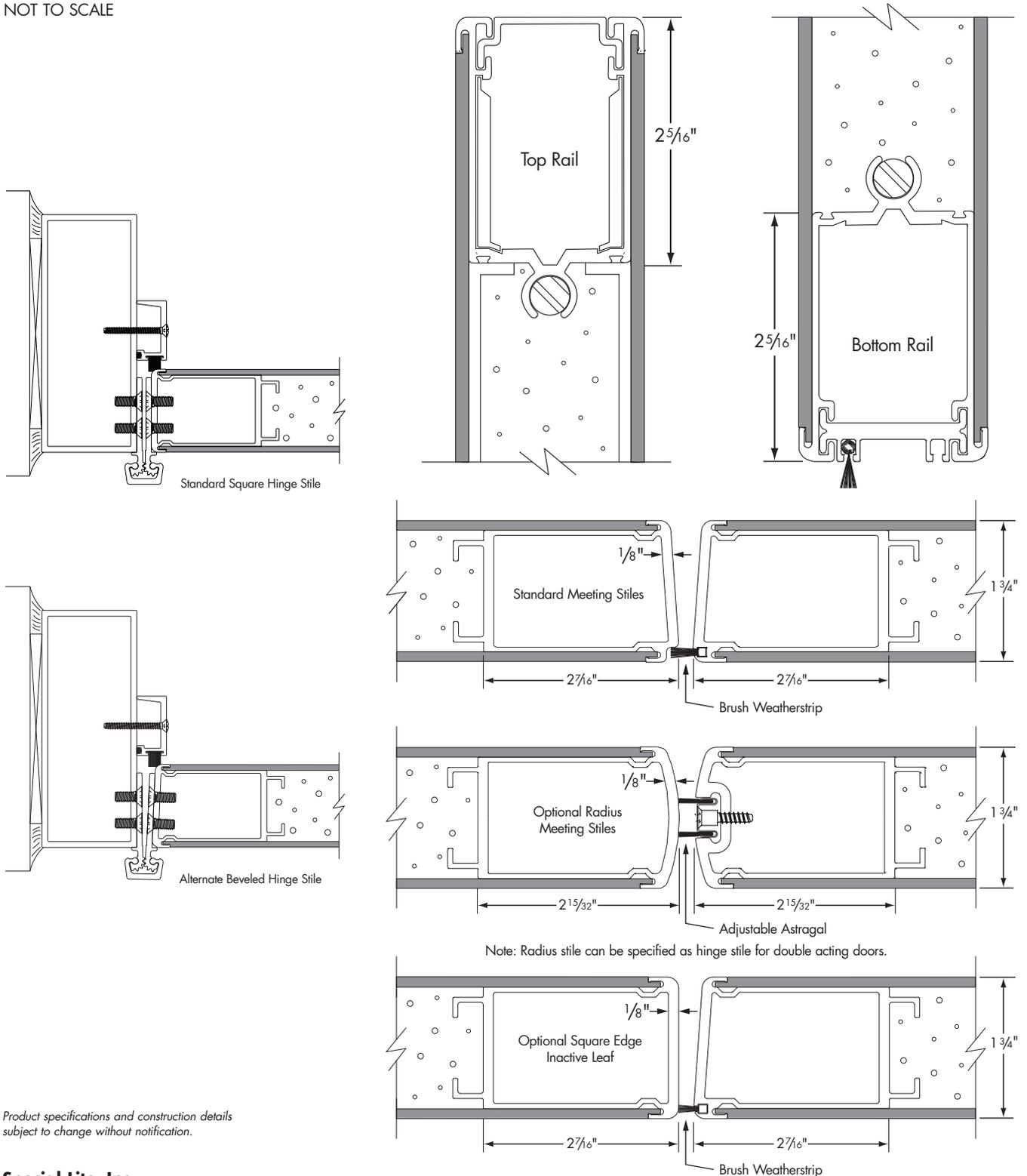


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