

CHANNEL GLASS WALL SYSTEMS | Technical Details

BENDHEIM

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HOW IT'S MADE

Our channel glass' basic ingredients are sand, limestone, soda ash, and a high percentage of post-consumer recycled glass. The mix is combined in an oxygen-fired melting furnace and emerges from it as a ribbon of molten glass. It is then drawn over a series of steel rollers and formed into a U-shape. The steel rollers imprint a texture in the glass surface. The resulting U-glass ribbon is cooled and hardened, creating a continuous glass channel of the specified dimensions and surface finish. The channel is carefully annealed (control-cooled) and cut to the desired length prior to final processing and shipping.



GLASS DIMENSIONS

- Length: up to 23 ft. (7 m), depending on wind loads
- Widths: range 9" to 19.5" (230 – 480 mm); custom widths available for large projects
- Flange depth: 1.6" (41 mm) for interior use and 2.4" (60 mm) for exterior/interior use
- Thickness: 0.24" (6 mm) for interior use and 0.28" (7 mm) for exterior/interior use

GLASS MATERIAL OPTIONS

- Ultra-brilliant low-iron glass (**15-25%** post-consumer)
- Standard glass (**30-40%** post-consumer)

GLASS SAFETY OPTIONS

- Standard (non-safety)
- Tempered safety (meets ANSI Z97.1 & CPSC 16CFR 1201 safety requirements)

APPROX. WEIGHT

- 4-5 lbs/ft² (20-25 kg/m²) single-glazed
- 8-10 lbs/ft² (40-50 kg/m²) double-glazed

LIGHT TRANSMISSION (VLT, DOUBLE-GLAZED)

- Uncoated channel glass: **72%**
- Low-e channel glass: **64%**
- Low-e & insulated channel glass: **37%**

CUSTOMIZATION

- Custom sizes: custom channel widths & flange lengths available for large projects
- Custom colors: hundreds of colorfast, scratch resistant, translucent & opaque fritted glass colors
- Enhanced privacy options: sand-blasted or fritted Dura-Etch® (simulated acid etch) back surface

IDEAL APPLICATIONS FOR CHANNEL GLASS

Light-diffusing Lamberts® channel glass allows large amounts of natural light to enter the space, while simultaneously controlling it during the day. It is ideal for buildings that require high levels of daylight and where visual transparency is not a necessity. Look to channel glass if the project meets 1 or more of these conditions:

Project calls for:



High-quality, diffused daylight is key – many times more desirable than perfectly clear views



There is an opportunity for large glazed openings – long runs of glass up to 23 ft. tall



Glazed walls feature curves or glass-to-glass corners



There are structural weight limits on the building

Channel glass delivers:

VLT \leq 77%

Cont. length \leq 23 ft.

Curve radius \geq 7 ft.

Weight \leq 5.25 lbs/ft²



The glass has to meet high thermal performance targets

U-Value \geq 0.19



Exterior glass walls to offer combined thermal & acoustic insulation

OITC \leq 36



Interior walls that provide daylight together with acoustic & visual privacy

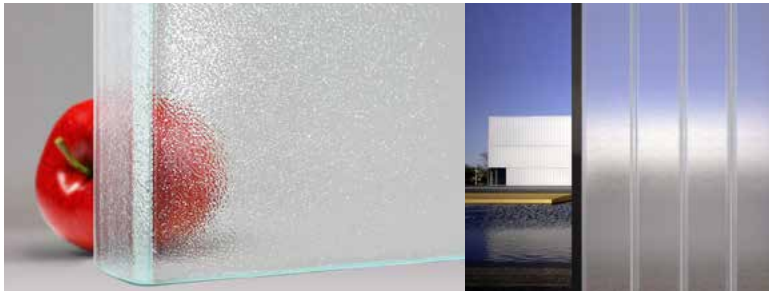
STC \leq 43



The site is tight or does not allow the use of heavy installation equipment

As few as 3 installers

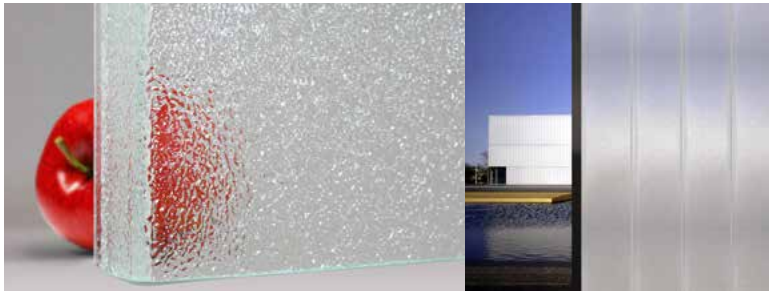
TEXTURES, COATINGS & INSULATION



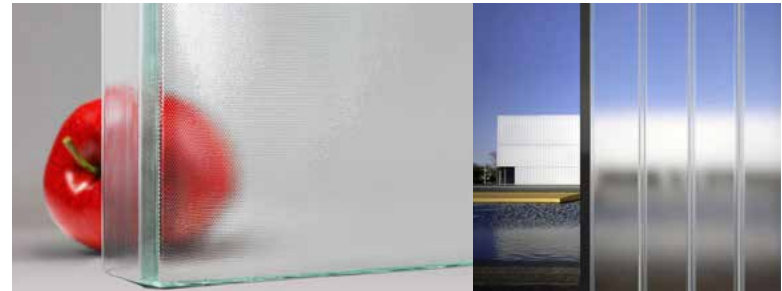
504 Rough Cast™



Clarissimo™



Ice™ (proprietary texture)



Solar™ (proprietary texture)

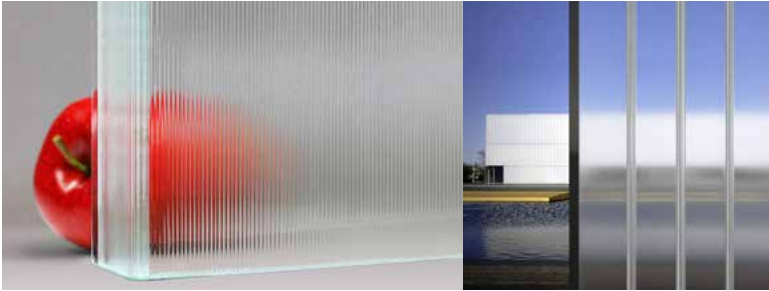
COLORS, PERFORMANCE COATINGS & THERMAL INSULATION



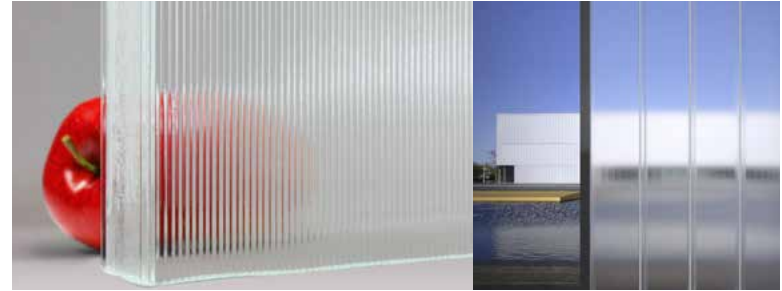
Color Frits
Hundreds of Opaque & Translucent Colors



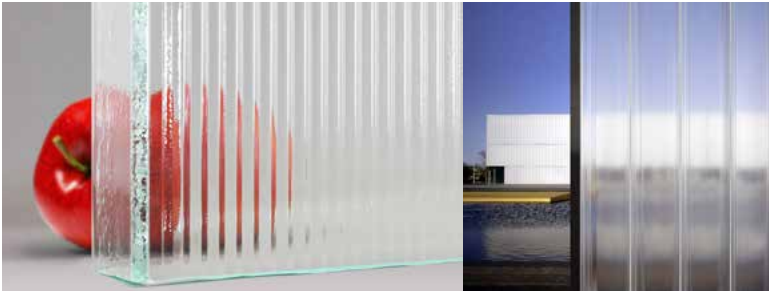
Low-E Thermal Performance Coating
Iridescent Aesthetic, U-Value of 0.41



Houdini™ (proprietary texture)



Piccolo®



Primasolar™ (proprietary texture)



Moire™ (proprietary texture)



Azur (SHGC) Thermal Performance Coating
Blue-Grey Aesthetic, SHGC of 0.56

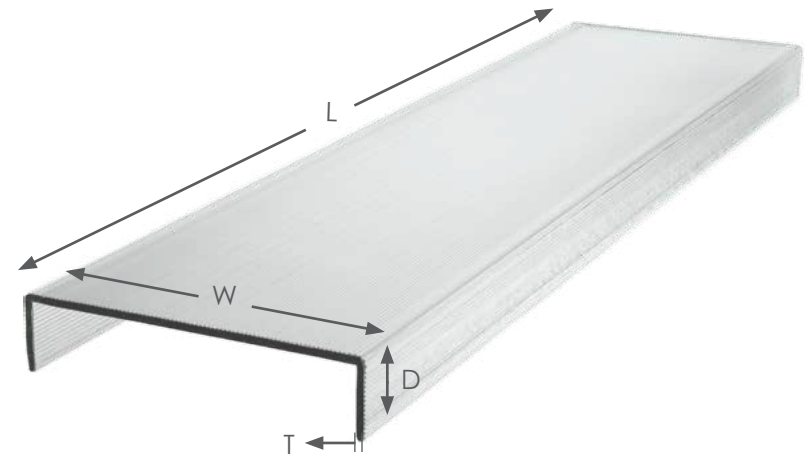


Wacotech™ Thermal Insulation Material (TIM)
Translucent White Aesthetic, U-Value of 0.25

GLASS PROFILES

All our channel glass profiles are available in standard glass with 30-40% post-consumer recycled content or ultra-brilliant low-iron glass with 15-25% post-consumer recycled content. All profiles are available in tempered safety glass, meeting ANSI Z97.1 & CPSC 16CFR 1201 safety requirements, or standard non-safety glass.

Channels are fabricated to lengths of up to 23 ft. (7 m), as determined by the project-specific wall design and wind loads. Custom channel widths & flange lengths may be available for large projects. **P26/60/7** is the most popular profile, available in all textures and coatings, compatible with all standard systems and applications.



Profile	Channel Width (W)	Flange Depth (D)	Glass Thickness (T)	Weight (Single-Glazed)	Glass Textures	Low-E Coating	Azur SHGC Coating	Thermal Insulation Inserts	Compatible Interior Systems	Compatible Exterior Systems
P23/60/7	9.125" (232 mm)	2.375" (60 mm)	0.28" (7 mm)	5.21 lbs/ft ² (25.4 kg/m ²)	504 Rough Cast, Clarissimo*	504 Rough Cast*	504 Rough Cast*	✓	I-60 Double & Single, I-41 Single	SF-60 & H-60 Double, SF-60S Single
P26/60/7	10.315" (262 mm)	2.375" (60 mm)	0.28" (7 mm)	5.02 lbs/ft ² (24.5 kg/m ²)	All textures	504 Rough Cast, Clarissimo, all others*	504 Rough Cast, all others*	✓	I-60 Double & Single, I-41 Single	SF-60 & H-60 Double, SF-60S Single
P33/60/7	13" (331 mm)	2.375" (60 mm)	0.28" (7 mm)	4.80 lbs/ft ² (23.4 kg/m ²)	504 Rough Cast	504 Rough Cast*	X	✓	I-60 Double & Single, I-41 Single	SF-60 & H-60 Double, SF-60S Single
P23/41/6	9.125" (232 mm)	1.625" (41 mm)	0.24" (6 mm)	3.98 lbs/ft ² (19.4 kg/m ²)	504 Rough Cast	X	X	✓	I-60 Double, I-41 Double & Single	X
P26/41/6	10.315" (262 mm)	1.625" (41 mm)	0.24" (6 mm)	3.88 lbs/ft ² (19 kg/m ²)	504 Rough Cast, Clarissimo	504 Rough Cast, Clarissimo*	X	✓	I-60 Double, I-41 Double & Single	X
P33/41/6	13" (331 mm)	1.625" (41 mm)	0.24" (6 mm)	3.72 lbs/ft ² (18 kg/m ²)	504 Rough Cast	X	X	✓	I-60 Double, I-41 Double & Single	X
P50/41/6*	19.625" (498 mm)	1.625" (41 mm)	0.24" (6 mm)	3.47 lbs/ft ² (17 kg/m ²)	504 Rough Cast, Clarissimo	X	X	✓	I-60 Double, I-41 Double & Single	X

* special order

VISUAL PRIVACY & CONTROLLED DAYLIGHT



Ultra-private Houdini™ channel glass features a heavily obscuring micro-fluted texture, delivering the highest level of privacy, while allowing maximum daylight.

Channel glass creates uninterrupted walls of glass with minimal framing, making it ideal for daylighting applications. Channels of various textures and/or fritted colors can be set in the same frame to create a dynamic sense of privacy, forming translucent walls that seamlessly transition from relatively see-through to opaque.

LIGHT TRANSMISSION OF DOUBLE-GLAZED CHANNEL GLASS WALLS:

Double-Glazed Channel Glass Wall	Approx. VLT
Uncoated	72%
Low-E Coating on #2 Surface	64%
Low-E Coating on #2 Surface + Insulation Inserts	37%

TEXTURED SURFACES AND INSULATION INSERTS ACT AS
BUILT-IN DAYLIGHT
CONTROL DEVICES

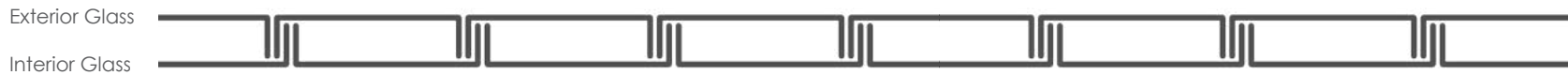


THERMAL PERFORMANCE



The highest thermal performance can be achieved using Low-E coating on glass surface #3, Azur SHGC coating on surface #2, and a thermal insulation material (TIM) in the cavity of a double-glazed channel glass wall. This combination, together with Bendheim's thermally broken framing system, was used on Silver Lake Branch Library in Los Angeles, CA.

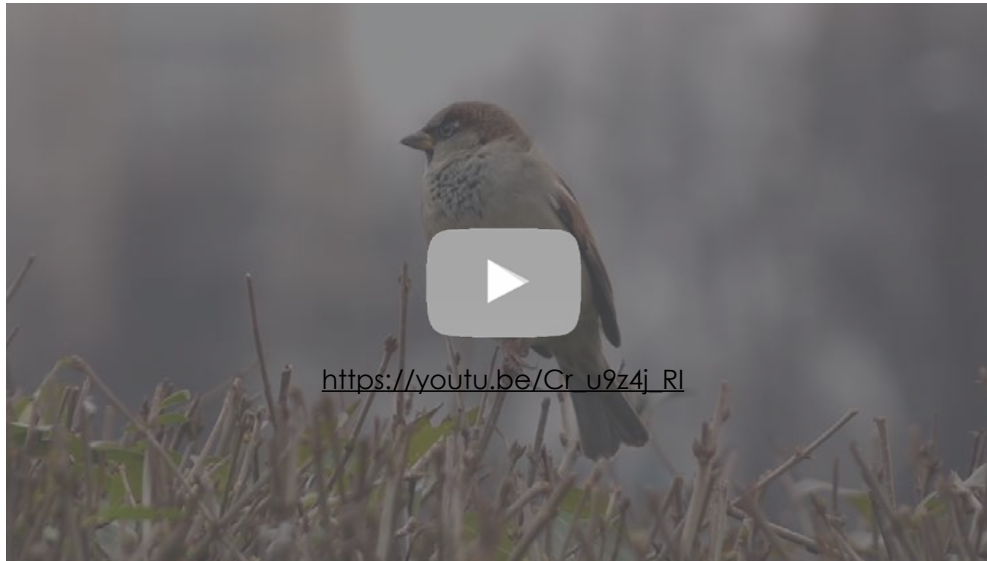
Case study of Silver Lake Branch Library, Los Angeles, CA by M2A Architects.



	No Insulation				With Thermal Insulation			
Exterior Glass	Uncoated	Low-E	Azur	Low-E	Uncoated	Low-E	Azur	Low-E
Interior Glass	Uncoated	Uncoated	Uncoated	Azur	Uncoated	Uncoated	Uncoated	Azur
VLT	72%	64%	53%	48%	39%	37%*	36%*	35%*
SHGC	0.66	0.61	0.56	0.53	0.43	0.41*	0.40*	0.39*
U-Value	0.49	0.41	0.52	0.42	0.25	0.19*	0.21*	0.17*
R-Value	2.04	2.44	1.92	2.38	4	5.26*	4.76*	5.88*

*calculated

SUSTAINABILITY



Our Lamberts® glass is the first channel glass to be tested and certified Bird-Smart by the American Bird Conservancy (ABC), the preeminent authority on avian-friendly architecture. Testing was carried out at the Pennsylvania Powdermill Nature Reserve flight tunnel facility in conjunction with the Carnegie Museum of Natural History. No birds were harmed during testing.



TOP 10 GREEN BUILDING PRODUCT

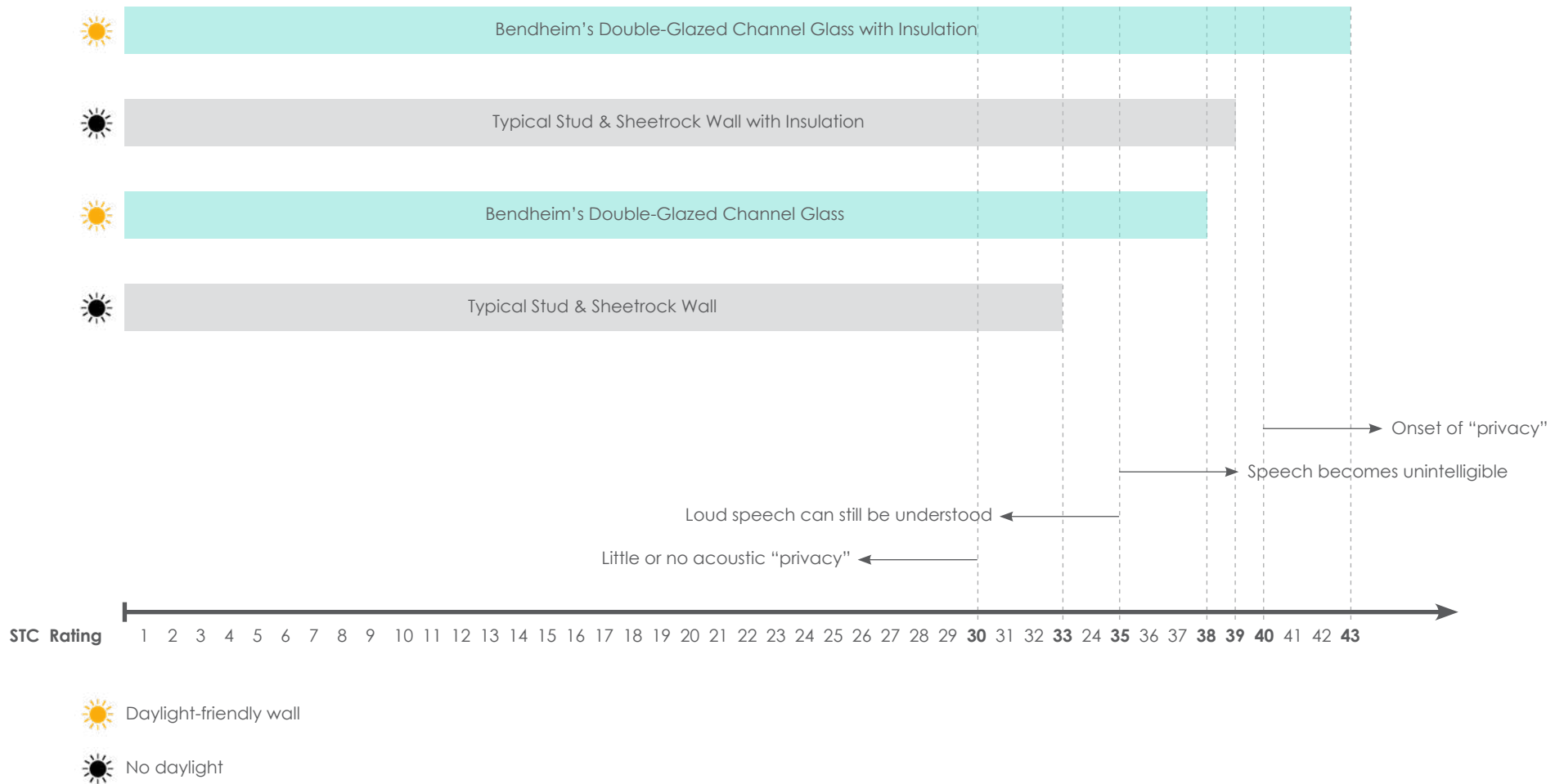
BY SUSTAINABLE INDUSTRIES MAGAZINE

LAMBERTS & BENDHEIM | ECO-SMART PARTNERSHIP:

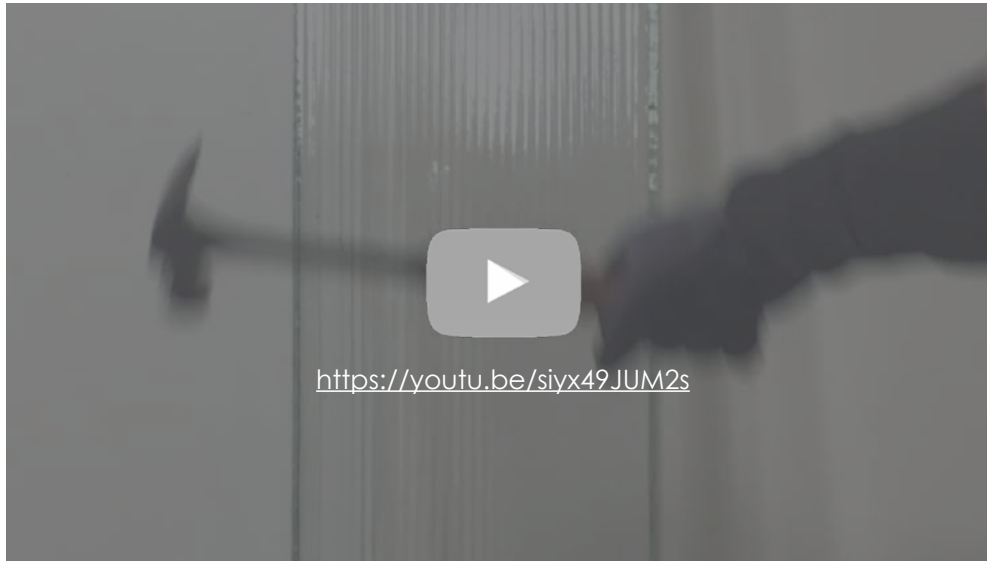
- High-performance assemblies – featuring thermal coatings, insulation and thermally broken frames – maximize the energy performance (U-Value of **0.19+**)
- A variety of glass textures to maximize natural light and views, minimize glare, and reduce daytime lighting costs (VLT up to **72%**)
- Standard glass with **30-40%** post-consumer content and ultra-brilliant low-iron glass with **15-25%** post-consumer recycled content
- Produced using an oxygen-fueled glass-melting furnace and 100% renewable electricity
- Demonstrably lower **CO₂ footprint** than most traditional curtain walls, please see EPD at [bendheim.com/channel-glass](https://www.bendheim.com/channel-glass)
- Bird-friendly tested and certified

ACOUSTIC PRIVACY

4.5" (114 mm) daylight-friendly double-glazed channel glass walls provide outstanding acoustic benefits. Our silicone-sealed interlocking channel glass systems without insulation are projected to deliver **STC 38**. With added insulation inserts, the systems can deliver **STC up to 43** (for interior walls) and **OITC up to 36** (for exterior walls). Note that STC 40 is considered the "onset of acoustic privacy" (speech becomes inaudible through the wall). In comparison, Sheetrock-clad interior stud walls of the same thickness offer lower STC 33 without insulation and STC 39 with fiberglass insulation; they are also completely opaque to light.



SAFETY | TEMPERED CHANNEL GLASS



Our tempered Primasolar™ channel glass, featuring a deep V-groove texture, is repeatedly struck until it breaks into hundreds of small, dice-size pieces.

Testing & Certification

Bendheim tempered channel glass meets the requirements for ANSI Z97.1 and CPSC 16 CFR 1201. It is also the only tempered channel glass certified by the SGCC (Safety Glazing Certification Council). SGCC is the highest level of independent third-party certification in the U.S.

Heat soak testing is recommended for all tempered glass used in exterior applications subject to changing temperatures. The test minimizes the risk of spontaneous breakage caused by nickel sulfide (NiS) inclusions. In this 8.5-hour process, the glass channels are placed inside a specialized test chamber and subjected to an oven temperature of 550°F (287°C) to accelerate NiS expansion. This causes glass containing NiS to break in the test chamber, thus reducing the risk of field breakages. Every piece of glass is tested – not random or partial testing. Detailed test criteria are available on request, linit@bendheim.com.

Lamberts developed the tempering process for the three-dimensional channel glass to yield dimensionally consistent glass with superior compression strength. Tempered channel glass is 3 to 4 times stronger than annealed channel glass and is recognized by its break pattern – relatively small, harmless fragments.

Because of its significant added strength, tempered channel glass is often used in designs requiring tall, uninterrupted spans of glass, avoiding the need for horizontal stacked joints. It is also used as safety glazing in “hazardous” applications, such as floor-to-ceiling glass walls and partitions. It is provided with a permanently etched “safety” logo.

Broken tempered glass:



INSTALLATION

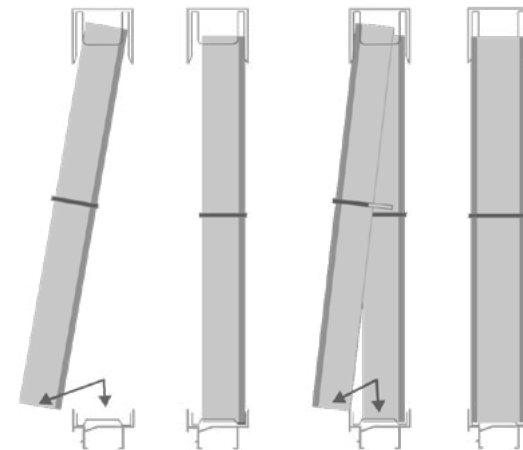


Espirito Santo Plaza Parking Structure, Miami, FL by Kohn Pedersen Fox Associates.

Approx. 1/4"-thick lightweight glass in channel form is relatively easy to install. Any competent commercial glazier with curtainwall or storefront installation experience can handle the channel glass installation. No specialized training is required. Additionally, cranes may not be necessary, as individual glass channels are lightweight.

The channels can be glazed on site (pocket-set), or, in some cases, pre-assembled at the glazier's shop using Bendheim's unitized frame systems.

For on-site installations, the head and sill units are anchored to the building structure. The jambs are connected to the head and sill. They are not typically anchored to the building structure. This permits the jambs to flex with the channel glass under the wind load. Once the frames are anchored, the glass is inserted in a pocket-set method (see drawing below). For double-glazed applications, the second row of glass is inserted in a similar manner. After setting the glass with the proper spacing, the glass/frame perimeter and all vertical glass joints are properly sealed with silicone. Some interior applications may be "dry-sealed" using only gaskets and wedges. Please contact us for detailed instructions and installation manuals: liniit@bendheim.com.



The glass channel is lifted into the head enough for its bottom edge to clear the sill, and is then dead-loaded in the sill.

WALL SYSTEMS

Bendheim's engineered framing systems provide the right system for the right function, not a "one style fits all" approach. Systems are fully tested and certified to meet or exceed US building requirements.

Let us assist you in selecting the best system for your project. Bendheim's technical design team can help you save time and meet your project goals by providing you meaningful specification assistance, including:

- Material selection
- Custom product development
- Spec writing
- Proof of concept
- Engineering calculations
- Detail drawings for our systems
- General drawings for transition points



AutoCAD, Revit, and PDF detail drawings of our most popular wall systems, as well as easy-to-use three-part CSI drop-in specifications, are available for download at [bendheim.com/professional/resources](https://www.bendheim.com/professional/resources).

Application-specific detail drawings are available on request. Please send us your project info to initt@bendheim.com.



**HIGH-PERFORMANCE
EXTERIOR WALLS
(DOUBLE-GLAZED)**



**RAINSCREENS, VENTILATED
FACADES & DECORATIVE
SCREENS
(SINGLE-GLAZED)**



**INTERIOR WALLS
(SINGLE & DOUBLE-GLAZED)**

HIGH-PERFORMANCE EXTERIOR WALLS (DOUBLE-GLAZED)



University of Iowa Visual Arts Building, Iowa City, IA by Steven Holl Architects. The combination of Bendheim's 504 Rough Cast™ channel glass texture with translucent Wacotech™ insulation delivers ideal daylight, as if filtered through a translucent cloud.

Bendheim's double-glazed channel glass wall systems are the perfect solution for daylight-friendly facades with outstanding thermal and acoustic performance. They create virtually seamless curvilinear glass walls – uninterrupted by metal frames – that can span heights up to 23 ft. (7 m) and limitless lengths in a relatively lightweight 1/4" (7 mm) glass thickness.

KEY BENEFITS:

- Double-glazed, thermally broken, water & air sealed exterior system enhances the thermal performance of the wall with U-Values ranging **from 0.49 to 0.19**
- Open-wept frame design (weep holes) effectively controls water drainage in the event of a breach
- Outstanding acoustic performance: **OITC up to 36**
- Highly adaptable: can easily and seamlessly tie-in vision areas, change elevations & planes, and integrate with flat glass IGUs for vision areas, while maintaining continuous design lines
- Frames can be specified in a variety of finishes and a virtually unlimited custom color palette
- Diffuse and control daylight and minimize glare
- Accommodate thermal insulation inserts
- Vertical or horizontal channel glass orientation
- Withstand high wind loads; fully tested to stringent North American standards for structural deflection, interstory drift, and severe seismic displacement in accordance with ASTM E330-02, ASTM E331, ASTM E283, AAMA 501, and AAMA 501.4
- Unitized options for speedier installation



SF-60 (DOUBLE-GLAZED) VERTICAL & HORIZONTAL FACADE SYSTEM

Unique system design requires the glass be captured at the head & sill only; the jambs deflect together with the glass. Accommodates all double-glazed exterior channel glass applications in all textures (profiles with 60 mm flanges).

Approx. Dimensions:

- Visible components are identical for consistent, clean look: Head = 2.3" (60 mm); Sill = 2.3" (60 mm); Jambs = 2.3" (60 mm)
- Depth = 4" (100 mm)
- Stock length = 21 ft. (6.5 m); longer spans are created by butting / splicing extrusions to one another
- Max width & height depend on channel orientation & wind loads
- Max floor deflection = $\frac{3}{4}$ " (19 mm)

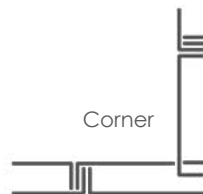
Popular Configurations:



Conventional interlocking



Curved: minimum radius = 7 ft. (2 m)

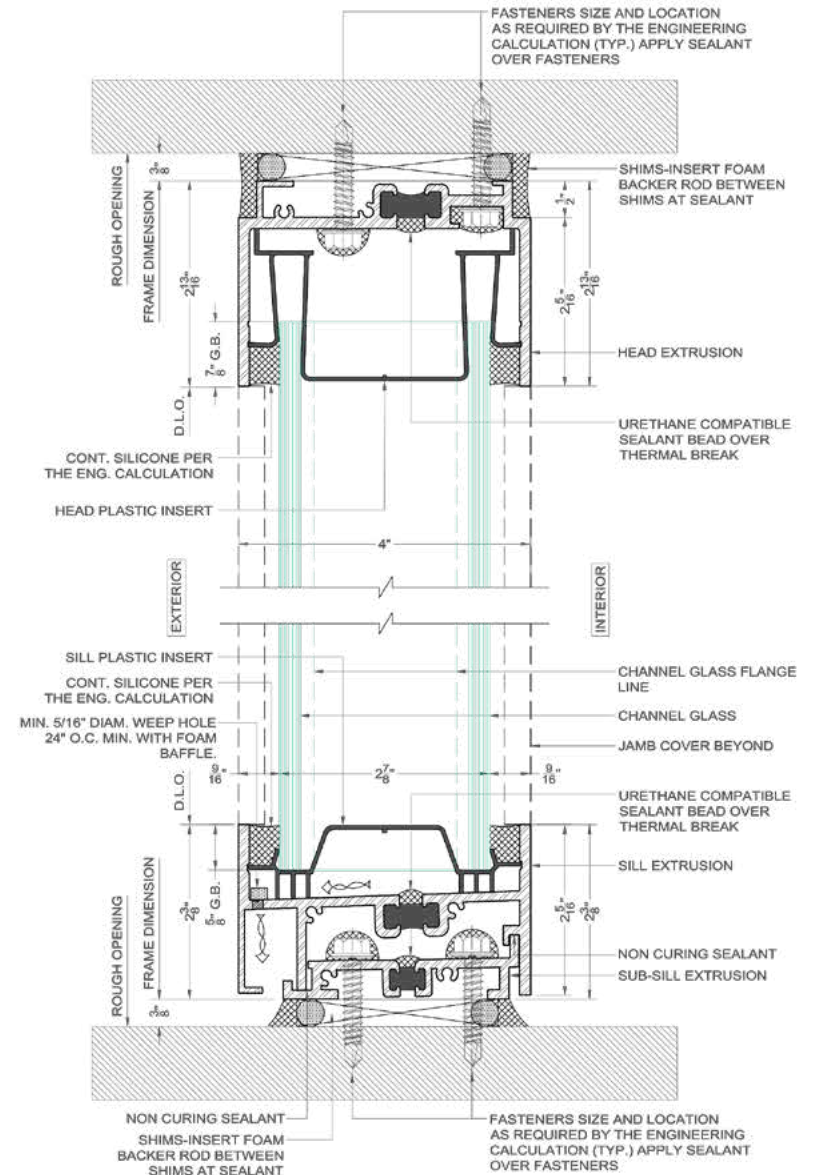


Corner



Mid-point to mid-point: minimizes the appearance of the flanges, creates an attractive tightly ribbed visual profile

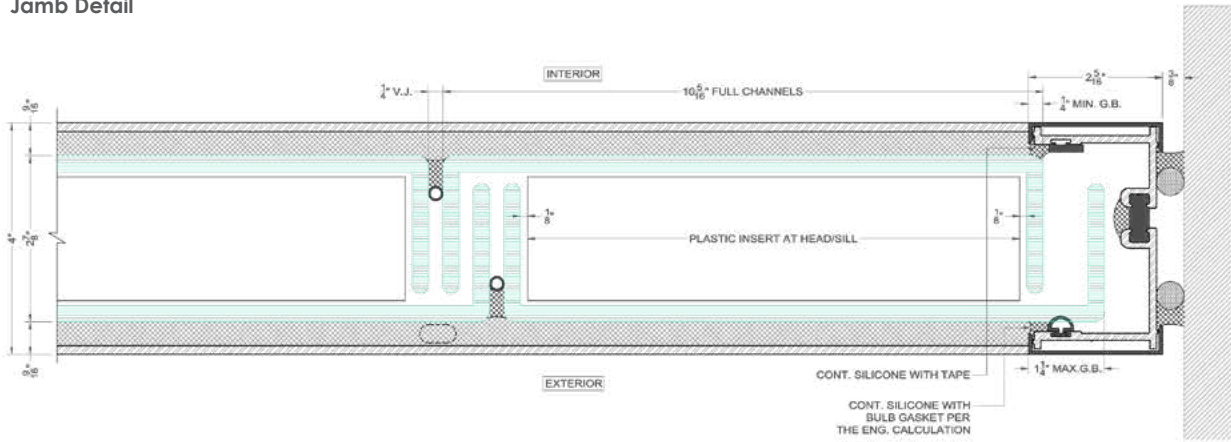
Head & Sill Detail



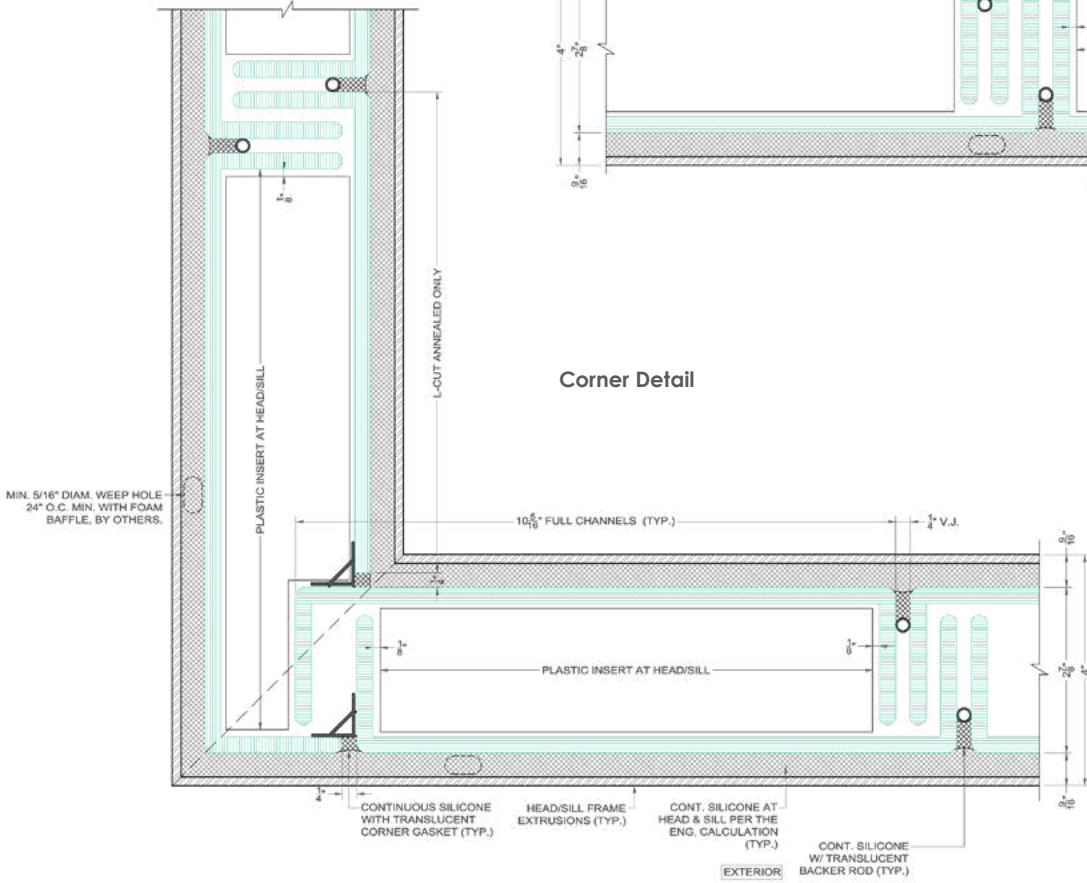


DOUBLE-GLAZED
FACADES

Jamb Detail



Corner Detail





H-60 (DOUBLE-GLAZED) HORIZONTAL UNITIZED FACADE SYSTEM

Bendheim offers the only true unitized channel glass systems in North America. They are designed to be shop-assembled by the glazier under controlled, clean conditions, offering improved quality control and shorter construction schedules.

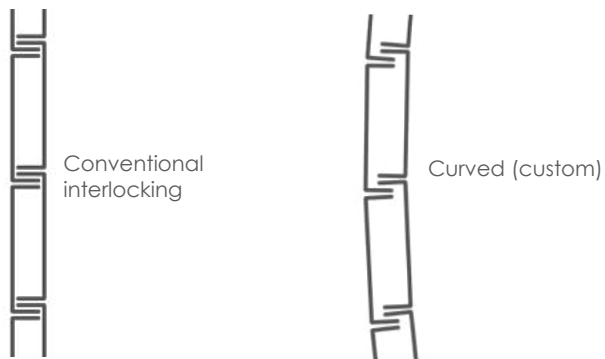
Our award-winning H-60 system provides several benefits to building budgets. Its fast installation contributes real savings in labor time and costs. In conditions requiring safety glass, the system may also allow a cost-effective mix of tempered channels at the bottom and all remaining channels in budget-smart conventional annealed glass.

H-60 can be vertically and horizontally linked to create a curtain wall. The dead load of each glass channel is taken by the jambs. The system accommodates channel glass in all textures (profiles with 60 mm flanges).

Approx. Dimensions:

- Head = 1.6" (41 mm); Sill = 1.7" (43 mm); Jambs = 3.4" (87 mm)
- Depth = 5.25" (130 mm)
- Max width = up to 23 ft. (7 m), depending on wind loads
- Max floor deflection = $\frac{3}{4}$ " (19 mm)

Configurations:



As seen at the Schermerhorn House (Affordable Housing), Brooklyn, NY by Polshek Partnership Architects. The horizontal orientation of the channel glass maximizes the use of annealed glass and minimizes the amount of costlier tempered glass. Photo by Jim Donoghue.



RAINSCREENS, VENTILATED FACADES & DOUBLE SKINS (SINGLE-GLAZED)



Fort York Visitor Centre, Toronto, Ontario, Canada by Kearns Mancini Architects & Patkau Architects. A “ghostly,” translucent, expansive channel glass rainscreen defines the building and offers a robust layer of protection against wind and moisture.

Shield structures from rain and wind with elegant ventilated channel glass facades. Facilitate visibility and natural surveillance, while preserving daylighting advantages.

Bendheim's systems are designed to accommodate open or sealed-joint applications. They can be installed as rainscreen facades (in front of a structural wall), or as ventilated facades (without a structural wall behind) – ideal for parking structures, stadia, and other non-conditioned spaces.

KEY BENEFITS:

- Seamless expansive walls, up to 23 ft. (7 m) tall, featuring glass-to-glass corners and serpentine curves
- No vertical metal supports required
- Diffuse and control daylight and minimize glare
- Highly adaptable: can easily and seamlessly tie-in vision areas and change elevations & planes, while maintaining clean continuous design lines
- Frames can be specified in a variety of finishes and a virtually unlimited custom color palette
- Vertical or horizontal channel glass orientation
- Withstand high wind loads; fully tested to stringent North American standards for structural deflection, interstory drift, and severe seismic displacement in accordance with ASTM E330-02, ASTM E331, ASTM E283, AAMA 501, and AAMA 501.4
- Unitized options for speedier installation



SF-60S (SINGLE-GLAZED) VERTICAL & HORIZONTAL FACADE SYSTEM

Unique system design requires the glass be captured at the head & sill only. Accommodates all single-glazed exterior channel glass applications in all textures (profiles with 60 mm flanges).

Approx. Dimensions:

- All components are identical for consistent, clean look: Head = 2.3" (60 mm); Sill = 2.3" (60 mm); Jamb = 2.3" (60 mm)
- Depth = 3.25" (80 mm)
- Stock length = 21 ft. (6.5 m); longer spans are created by butting / splicing extrusions to one another
- Max width & height depend on channel orientation & wind loads
- Max floor deflection = $\frac{3}{4}$ " (19 mm)

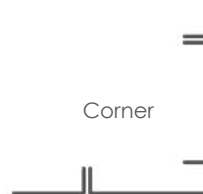
Popular Configurations:



Conventional



Curved: minimum radius = 7 ft. (2 m)

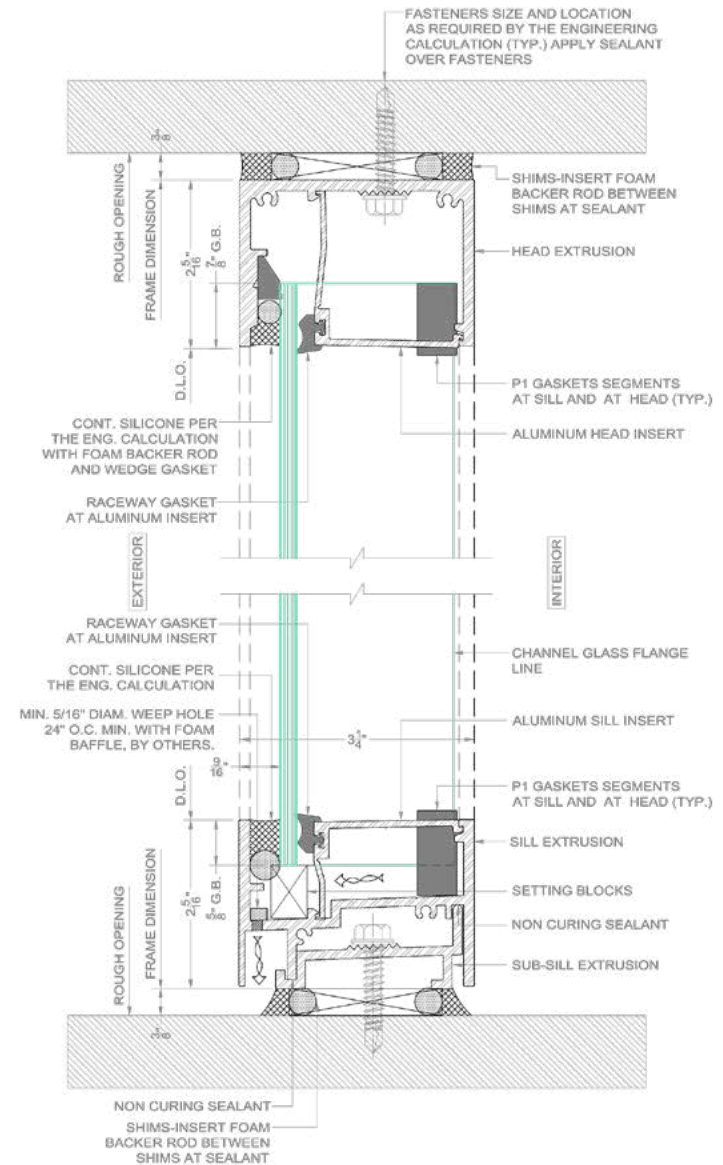


Corner

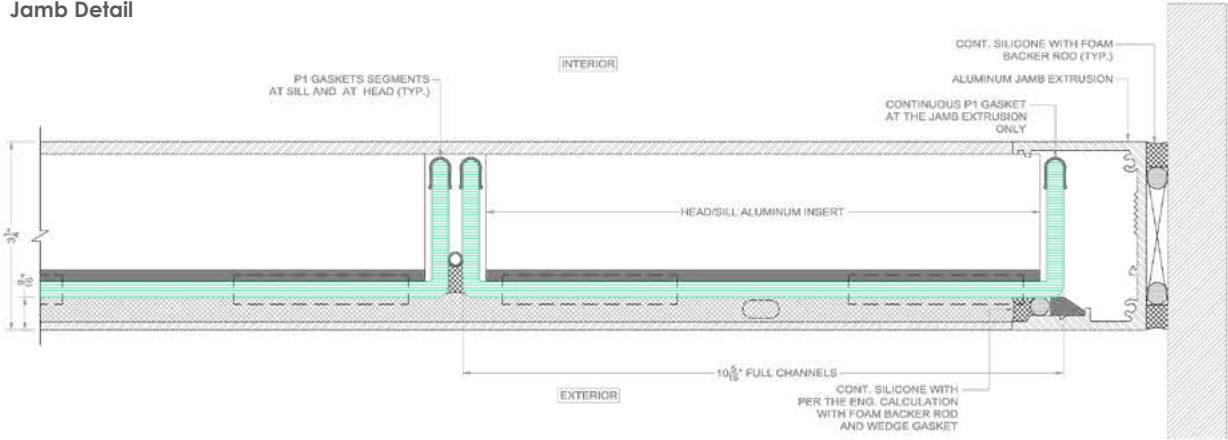


Alternating adjacent

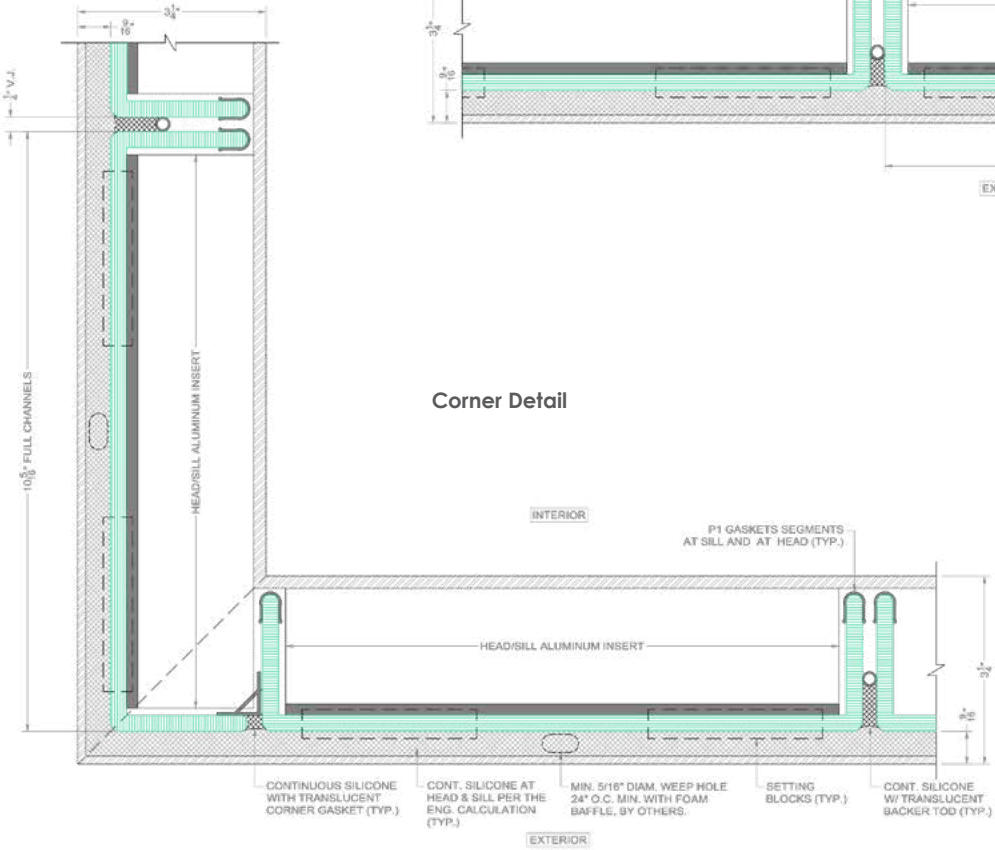
Head & Sill Detail



Jamb Detail



Corner Detail





SF-60S-CUSTOM (SINGLE-GLAZED) VERTICAL UNITIZED FACADE SYSTEM

Our award-winning Custom Vertical Unitized System requires the glass be captured at the head & sill only. Discreet mounting elements attach the glass units to the structure. The system has significant built-in flexibility to permit the units to be saddled onto the floor plate, then easily adjusted up and down for alignment.

The system is designed to be shop-assembled by the glazier, speeding installation and minimizing labor costs. It accommodates channel glass in all textures (profiles with 60 mm flanges).

Approx. Dimensions:

- Head = 2.3" (60 mm); Sill = 2.3" (60 mm)
- Depth = 3.25" (80 mm)
- Max height = up to 23 ft. (7 m), depending on wind loads
- Max floor deflection = 2" (50 mm)



As seen at The Children's Hospital of San Antonio, San Antonio, TX by Overland Partners. Bendheim's vibrant ceramic-fritted channel glass units rise along the hospital's 10 stories and a 2-story-tall 'lantern' cupola. Their striking colors are visible from a distance in the day or night, bringing children and families comfort and improving their patient experience.

The smart technical design of the system answered a number of unique design challenges. It created tall, lightweight facade units that could be quickly pre-assembled and installed onto slim concrete eyebrows. This was critical, as the available work area was insufficient to assemble the units on site.

The design team turned to channel glass for its remarkable structural qualities, allowing it to span great heights under high wind loads. The glass channels reach spans from 10 to 19 ft. in relatively lightweight 1/4" (7 mm) thickness. At only 4.5 lbs./ft², they meet the weight limits of the concrete eyebrows, a feat unachievable by conventional flat glass.

Bendheim's technical design team designed the hoisting procedures to allow speedy installation, while avoiding the need for scaffolding, which would normally be required.

Another design challenge involved providing the units in a range of custom colors that would be visible at long distances, both in the daytime and at night. Here, too, channel glass was the right solution. Fritted in durable translucent colors, the glass appears vivid in the daylight, while transmitting colored back-light at night. Photo courtesy of the Hospital.

INTERIOR WALL SYSTEMS (DOUBLE AND SINGLE-GLAZED)



Ballinger Architects Offices, Philadelphia, PA by Ballinger. Framed openings punched through the channel glass office fronts bring a sense of mystery and discovery.

Channel glass makes it easier to create complex curvilinear walls that control daylight and provide the desired amount of visual and acoustic privacy. Double-glazed channel glass partition walls simultaneously: attenuate sound better than stud walls of the same thickness (STC 43 versus STC 39), establish a sense of privacy, maintain daylighting advantages, and create seamless curves and glass-to-glass corners reaching heights up to 23 ft. (7 m).

KEY BENEFITS:

- Outstanding acoustic performance: double-glazed insulated channel glass walls can reach STC 43 – better than 4.5" (114 mm) batt-insulated interior stud wall (STC 39)
- Create seamless expansive walls, up to 23 ft. (7 m) tall, featuring glass-to-glass corners and serpentine curves
- No vertical metal supports required
- The perfect budget-smart solution for tall curved partition walls: the segmented channels turn curves and corners without the need for complex, costly glass bending
- Textured channel glass offers a sense of privacy
- Walls diffuse and control daylight and minimize glare
- Systems are highly adaptable: can easily tie-in vision areas, change elevations & planes, orient the glass channels vertically or horizontally
- Frames can be specified in a variety of finishes and a virtually unlimited custom color palette
- Vertical or horizontal channel glass orientation
- Unique frame designs permit "dry-joint" assembly, eliminating silicone sealants, speeding installation, and reducing labor and material costs



I-60 (DOUBLE-GLAZED) VERTICAL & HORIZONTAL INTERIOR SYSTEM

Accommodates double-glazed interior channel glass applications in all textures (profiles with 60 mm flanges) and accepts insulation inserts for improved acoustic performance.

Approx. Dimensions:

- All components are identical for consistent, clean look: Head = 2" (50 mm); Sill = 2" (50 mm); Jamb = 2" (50 mm)
- Depth = 4.5" (115 mm)
- Stock length = 21 ft. (6.5 m); longer spans are created by butting / splicing extrusions to one another
- Max width & height depend on channel orientation & wall design
- Max floor deflection = $\frac{3}{4}$ " (19 mm)

Popular Configurations:



Conventional interlocking



Curved: minimum radius = 7 ft. (2 m)



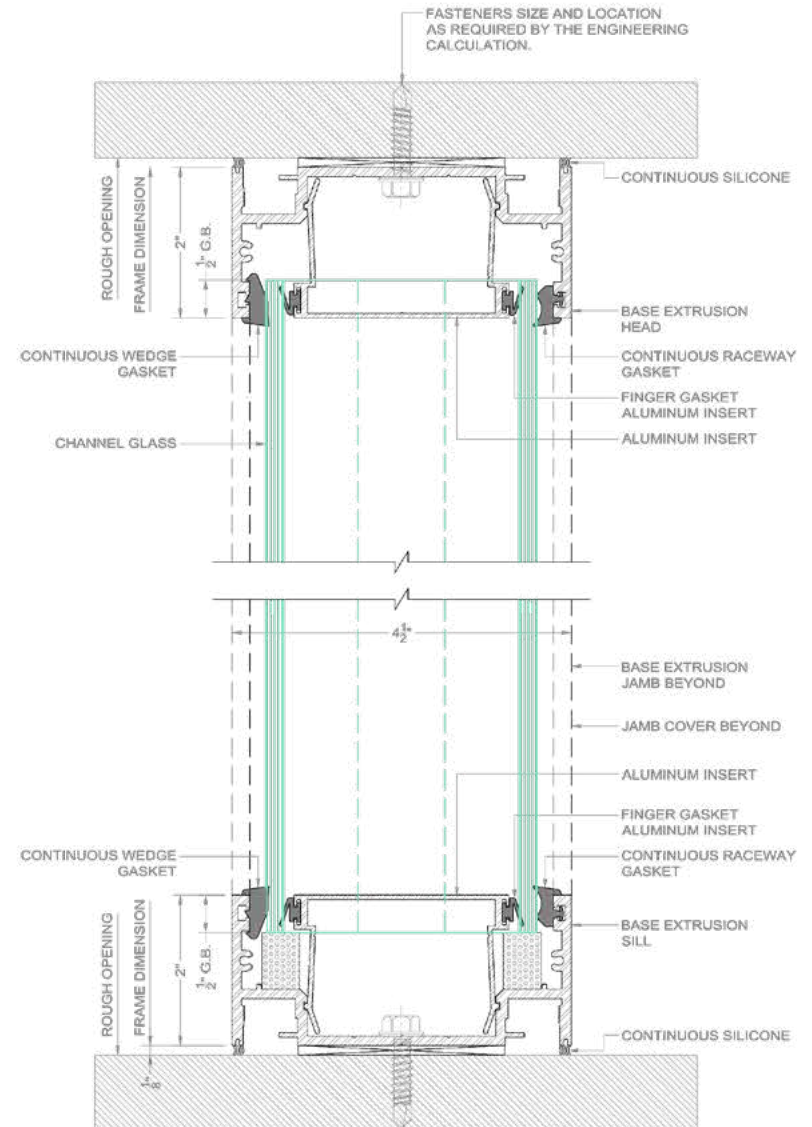
Mid-point to mid-point: minimizes the appearance of the flanges, creates a tightly ribbed visual profile

Corner

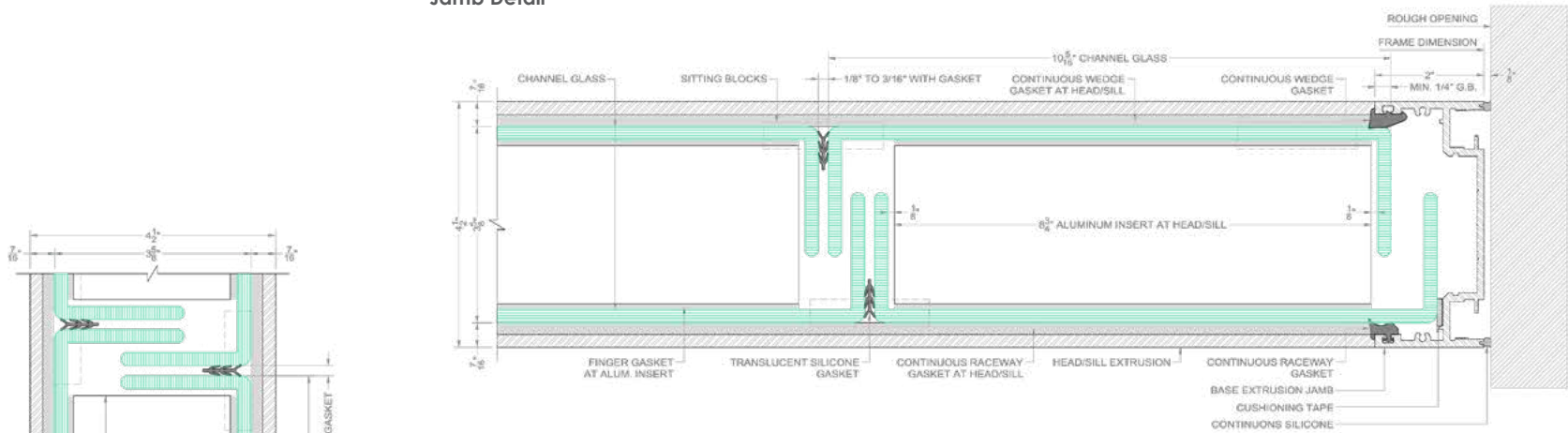


Tip-to-tip: provides cleaner, less-pronounced glass joints; for use with 41 mm flange profiles only

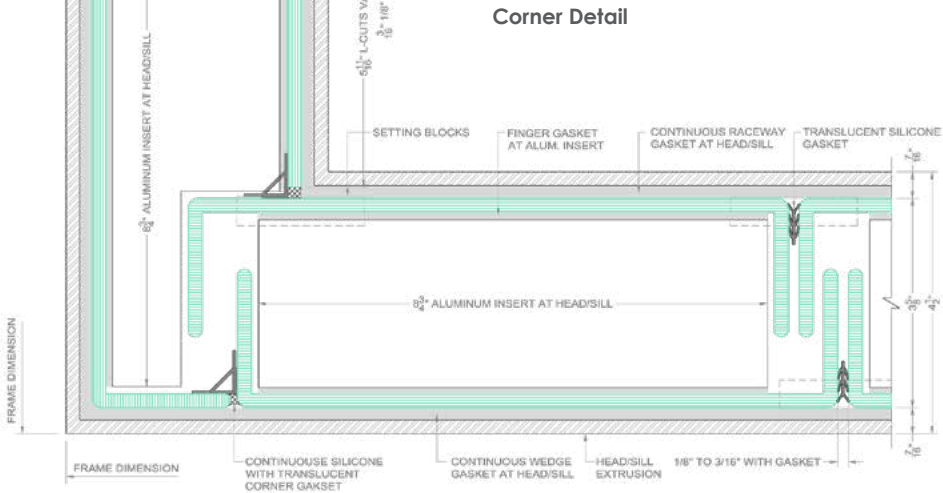
Head & Sill Detail



Jamb Detail



Corner Detail





I-41 (SINGLE-GLAZED) VERTICAL & HORIZONTAL INTERIOR SYSTEM

Accommodates single-glazed interior channel glass applications in all textures and profiles (41 mm and 60 mm flanges).

Approx. Dimensions:

- All components are identical for consistent, clean look: Head = 2" (50 mm); Sill = 2" (50 mm); Jambs = 2" (50 mm)
- Depth = 3.25" (83 mm)
- Stock length = 21 ft. (6.5 m); longer spans are created by butting / splicing extrusions to one another
- Max width & height depend on channel orientation & wall design
- Max floor deflection = $\frac{3}{4}$ " (19 mm)

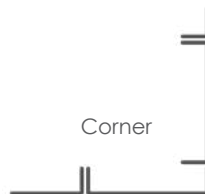
Popular Configurations:



Conventional



Curved: minimum radius = 7 ft. (2 m)



Corner

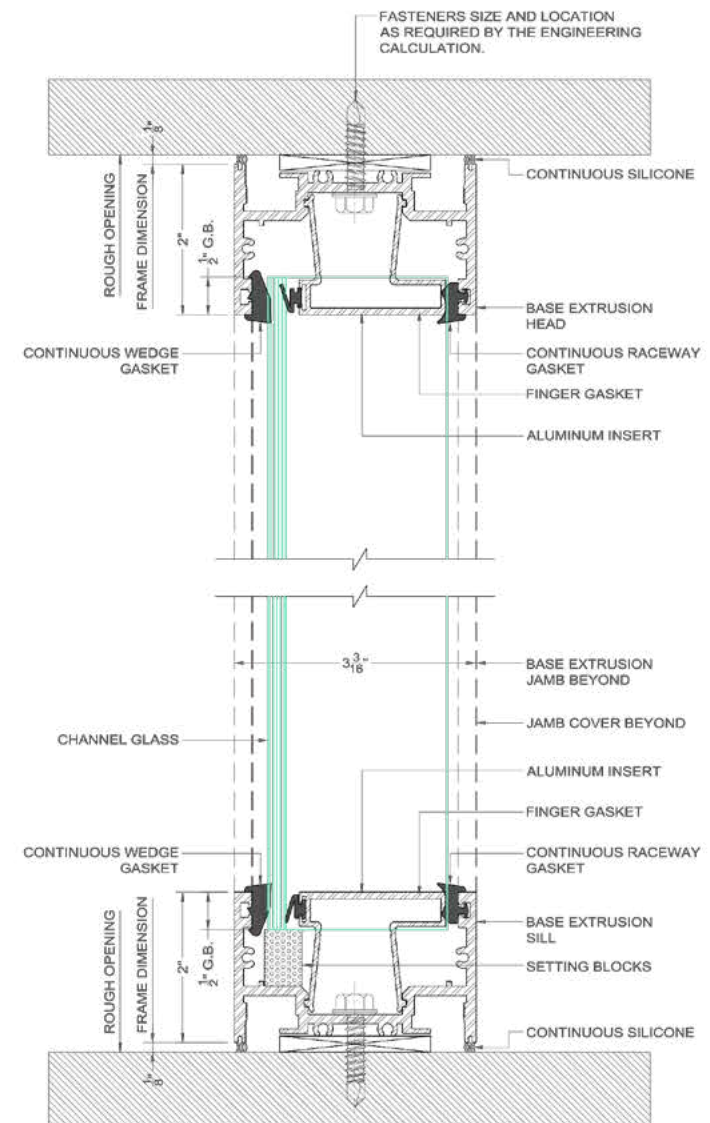


Alternating adjacent



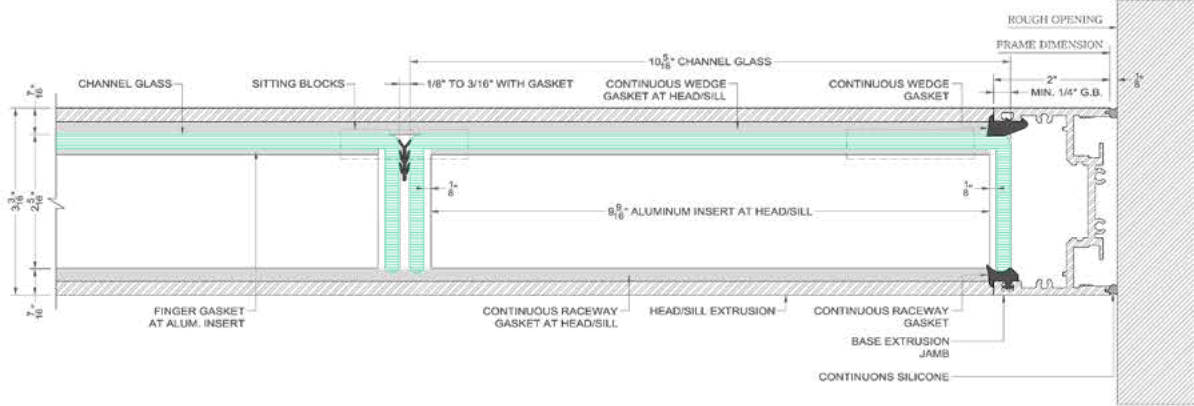
Alternating interlocking: for 41 mm flange profiles only

Head & Sill Detail

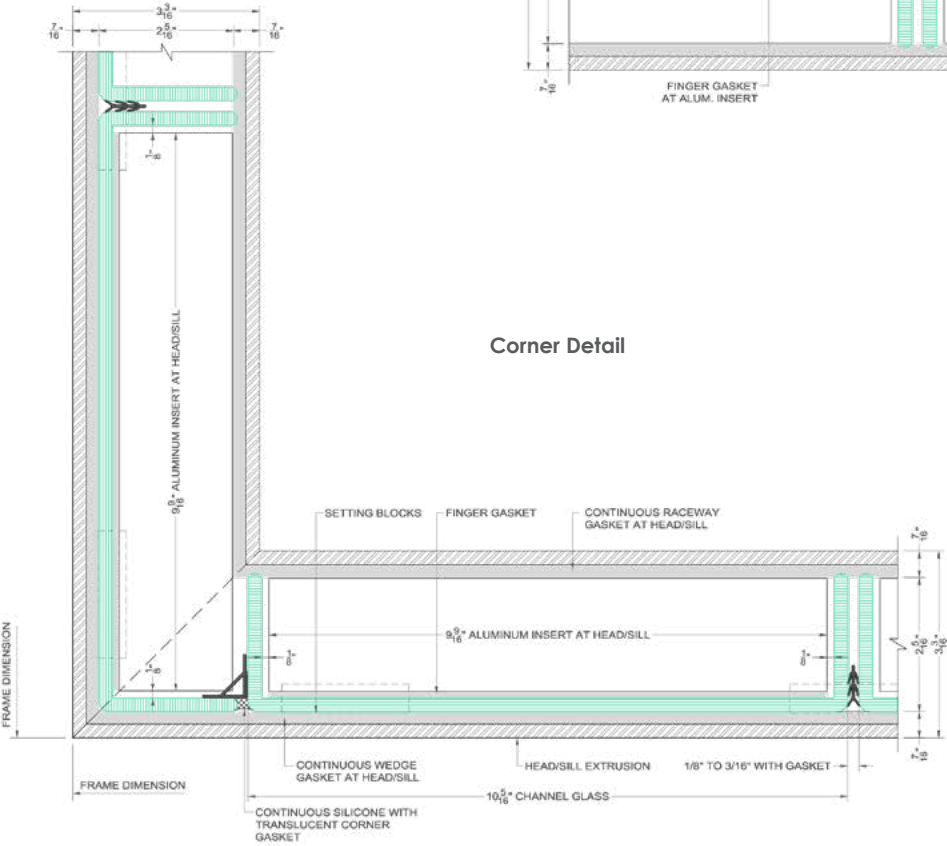




Jamb Detail



Corner Detail





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