avanti
systems

Product Catalog AVS-02

WORLD CLASS GLASS SOLUTIONS

DEMOUNTABLE PARTITIONS | FREE STANDING WALLS | SLIDING GLASS DOORS | MOVABLE WALLS

GLASS WALLS

SINGLE GLAZED WALLS
DOUBLE GLAZED WALLS
FREE STANDING WALLS
SMART GLASS WALLS

SOLARE SG

FRAMELESS SINGLE GLAZED WALLS

Avanti 's Solare single glazed walls is a premium choice when professionals design modern commercial interior spaces,. Solare SG is a seamless glass partitioning solution that eliminates visual barriers while supporting advanced functionalities.

Single glazed walls provide a simplistic yet advanced approach to dividing interior commercial and office spaces while maintaining stunning aesthetics, acoustical value, and stability. Single glazed walls includes a variety of superior attributes that make your design ideas a reality. Each system is outlined by a 1" aluminum head, base, and optional wall channels, available in its signature metallic silver color powder-coated finish. This balanced, minimalistic head and base channel consists of a two-part design and is recessed when installed. Custom colors are also available for powder coating to integrate the system into elaborate color schemes. This single channeling system holds one pane of glass, creating a durable interior screen.

Glass offerings include 3/8", 1/2" and 3/4" thickness, more offerings available upon request. The system is completely frameless, joining modules together utilizing PETG H (maybe explain what this stands for if necessary). Solare SG is offered in full height, with capabilities of up to 15 feet tall. It is rated for acoustic performance up to 35 Rw (dB), depending on construction and overall environment. This glass wall system is available in curved, faceted and straight applications. Along with its range of functional and practical attributes, single glazed walls are completely dry-jointed and can be dismantled, relocated and reinstalled.

SOLARESG

GLASS WALLS

CONTRIBUTES TO LEED

Features

- Acoustic Performance to 35 RW (dB)
- Dry Jointed (No Adhesives Needed)
- Fully Demountable and Relocatable
- Minimal 1" Aluminum Channelling (Standard)
- Straight Application Available
- Curved Application Available
- Faceted Application Available
- Pivot Glass Doors Available
- Sliding Glass Doors Available
- Pivot Timber Doors Available
- Contributes to LEED

Door Intirgrations:

- Premium Sliding Glass Doors
- Standard Sliding Glass Doors
- Single Glazed Swing Door
- Acoustic 34dB Single Glazed Door
- Double Glazed Door (Optional Blinds)
- Timber Door

Specialty Intirgrations:

- Smart Glass Film
- Non Reflective Glass

Hardware and Fittings:

- Stainless Steel
- Custom Assemblies
- High Grade Fittings & Handles
- Custom Finishes

General Characteristics

Glass Offerings:	3/8" (10 mm) clear tempered 7/16" (11 mm) Nom - laminated 1/2" (13 mm) clear tempered 9/16" (14 mm) Nom - laminated LCD PRIVACY GLAZING - Liquid crystal 5/8" and 3/4" glass are aslo avilable
Head & Sill Channels:	Extruded 1" (25mm) aluminum single piece headtrack and 2 part Basetrack.
Vertical Wall Trim:	Extruded aluminum 1" (25 mm) face size, 2 piece frame with seals for glazing joints.
Vertical Glass Joints:	Translucent H sections - Hi bond 2mm tape option
Corner Glass Joints:	Extruded aluminum 90 degree junction sections - Extruded PVC 90 degree corners
Doorframes:	Slimline Doorframe 1/5/8ths (40mm)x2 1/8th(52mm)one piece construction for added stability

Storage & Handling

All glass wall systems and doors should be handled with care and stored away in a safe & secure location.

GLASS WALLS

SOLARESG

BIM 3D MODELS AVAILABLE

- Solare Single Glazed Drawing Index

Drawing Title	Drawing Number
Head - Base Detail	AVS-SSG01
Junction Details	AVS-SSG02
SolareSG System With Optional Doors	AVS-SSG-S1

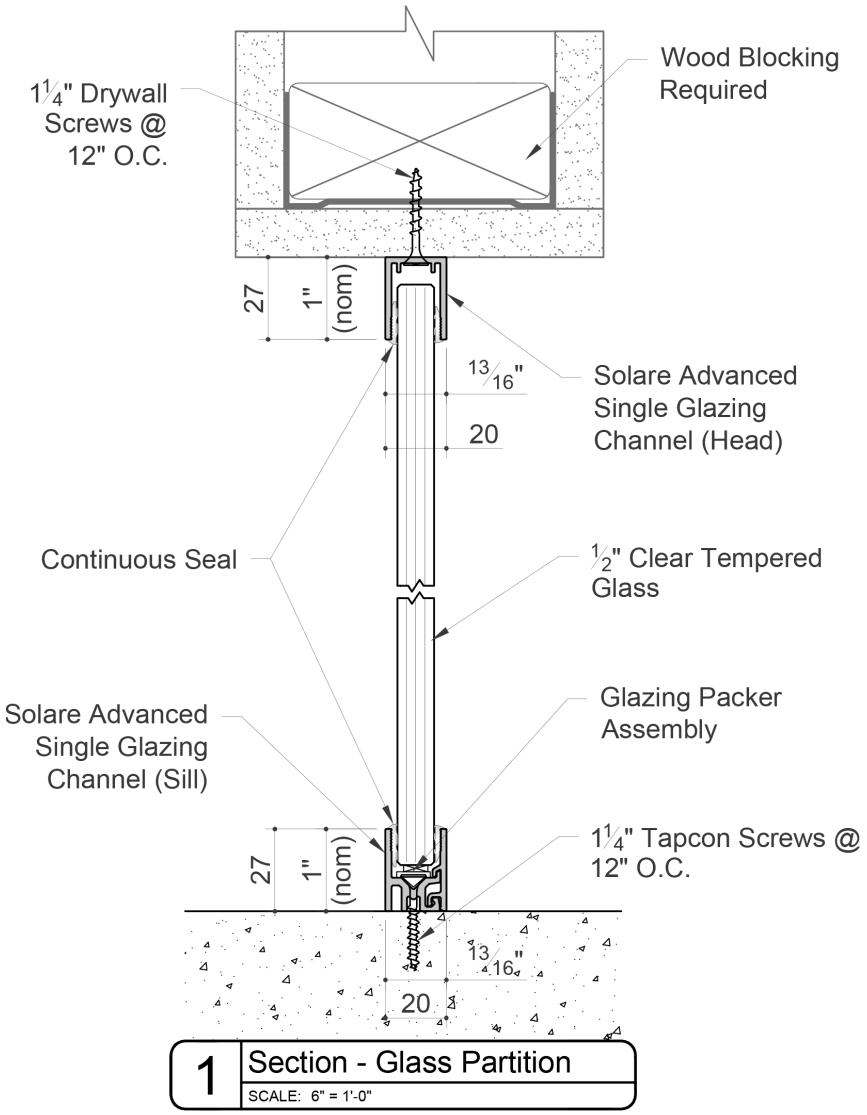
SOLARESG

GLASS WALLS

BIM 3D MODEL AVAILABLE

Solare Single Glazed - Head and Base Detail

AVS-SSG01



Standard for Glass:

⅜" for 9'-0" and below

½" for above 9'-0"

*Details are subject to amendment in line with our continuous product development.

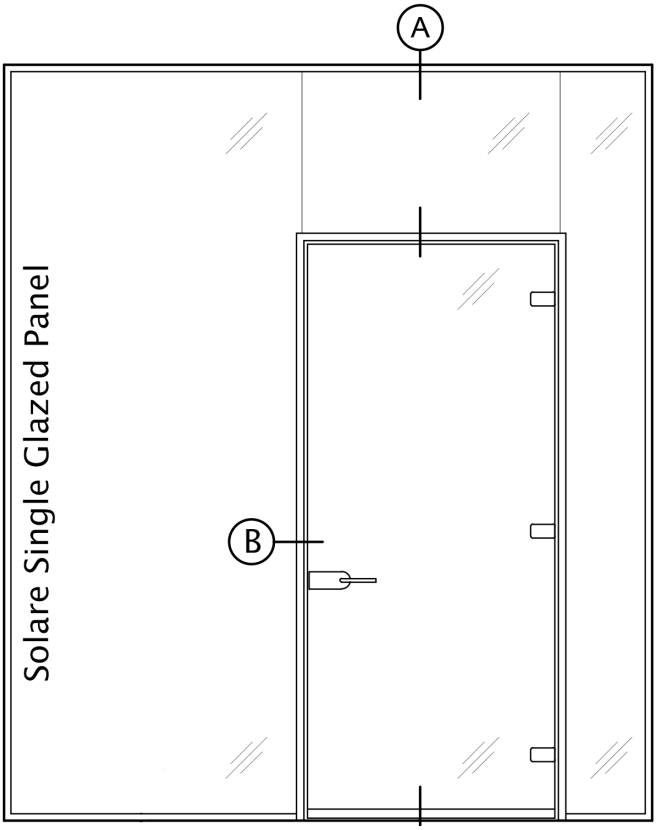
SOLARESG

GLASS WALLS

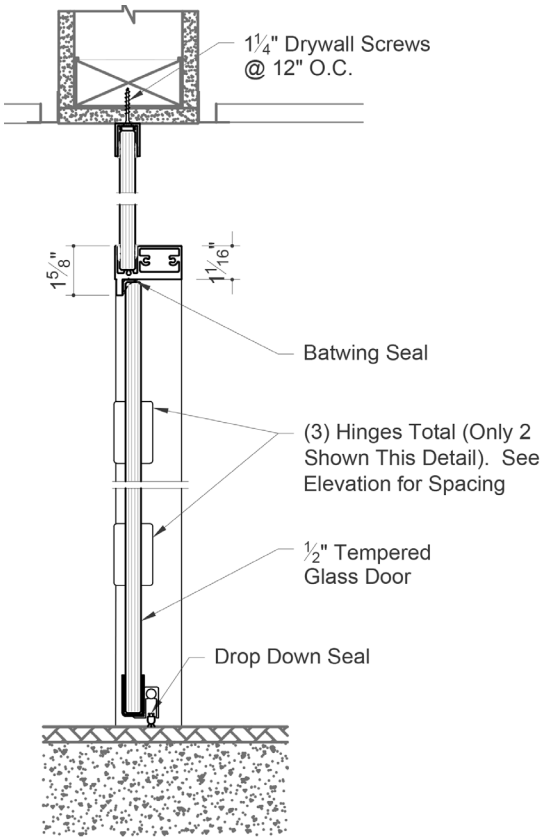
BIM 3D MODEL AVAILABLE

Solare with Optional Single Glazed Acoustic Door

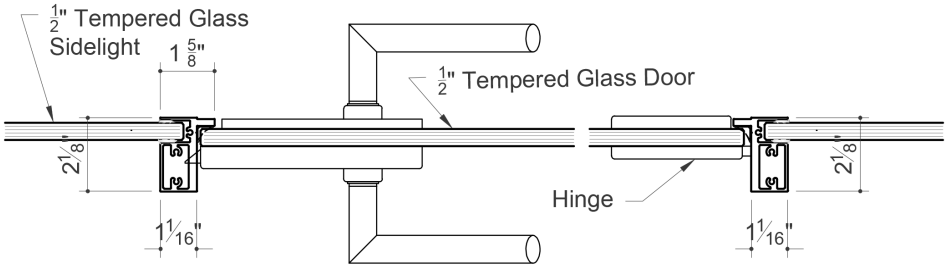
AVS-SSG-S1



1 Solare Single Glazed & Acoustic Door Elevation



A Acoustic Door Detail



B Door Jamb Detail

*Details are subject to amendment in line with our continuous product development.

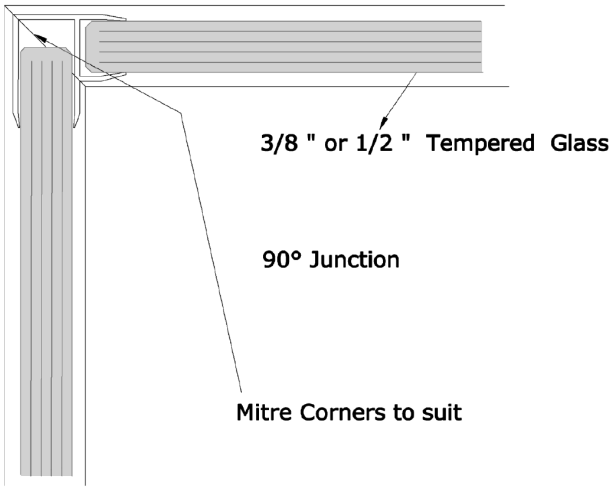
SOLARESG

GLASS WALLS

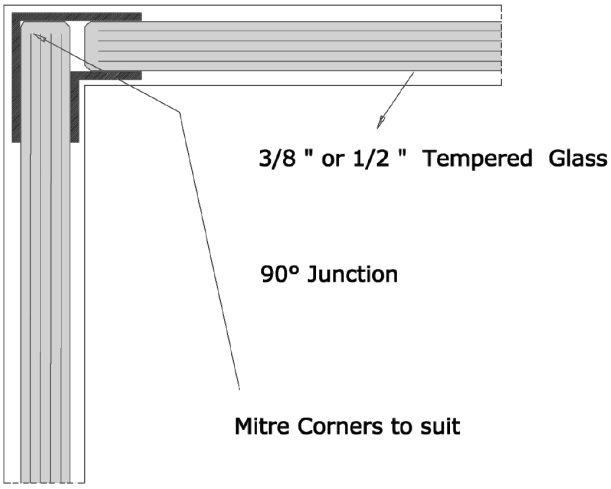
BIM 3D MODEL AVAILABLE

Solare Single Glazed - Junction Detail

AVS-SSG02

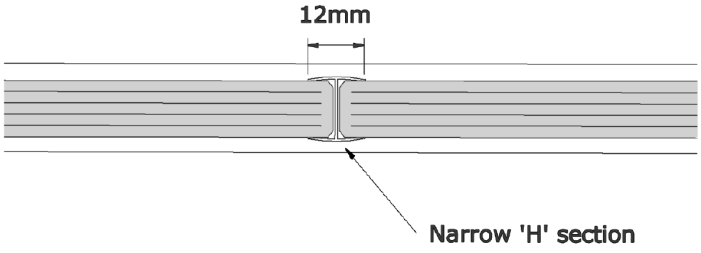


A PVC Corner



B Aluminum Corner

'H' section detail for use with relocatable version



C Glazing Junction

GLASS WALLS

SOLARESG

INSTALLATION SEQUENCE

Single Glazed Floor to Ceiling without Slim-Line Frame

1. Verify aperture dimensions and doorway locations if they apply.
2. Assemble Single glazed track with glass stop and insert brush seal.
3. Using a chop saw with metal cutting blade, cut track to appropriate dimensions keeping in mind locations of visual seams.
4. Using a 1/4" drill bit, prep track with holes for anchoring (typically 16" on-center).
5. Verify track position in aperture by shop drawings or confer with General Contractor.
6. Anchor track at head and sill with appropriate anchor for surrounding conditions (concrete, wood, etc.).
7. Verify and mark location of each glass panel position along the track.
8. Remove glass stop and position glass setting blocks in correct locations.
9. Install all fixed panels using Avanti H section in vertical seams (or adjust glass for Silicone joint as appropriate (+/- 1/8").
10. Cut temporary glass stops to secure glass in track until final adjustments are made within each panel.
11. Install permanent glass stop after adjustments are complete.
12. Install the doors as appropriate.
13. Cut temporary glass stops to secure glass in track until final adjustments are made within each panel.
14. Install permanent glass stop after adjustments are complete.
15. Install the doors as appropriate.

Single Glazed Floor to Ceiling with Slim-Line Frame

1. Verify aperture dimensions.
2. Fabricate and assemble Slim-Line door frame.
3. Verify door way location.
4. Anchor Slim-Line door frame in position (sill and head as appropriate).
5. Assemble single glazed track with glass stop and insert brush seal.
6. Using a chop saw with metal cutting blade, cut track to appropriate dimensions keeping in mind locations of visual seams.
7. Using a 1/4" drill bit, prep track with holes for anchoring (typically 16" on-center).
8. Verify track position in aperture according to position of glass pocket in door frame.
9. Anchor track at head and sill with appropriate anchor for surrounding conditions (concrete, wood, etc.).
10. Verify and mark location of each glass panel in aperture along track.
11. Remove glass stop and position glass setting blocks in correct locations.
12. Install all fixed panels using Avanti H section in vertical seams (or adjust glass for Silicone joint as appropriate (+/- 1/8").
13. Cut temporary glass stops to secure glass in channel until final adjustments are completed.
14. Install permanent glass stop upon final adjustments.
15. Install the door.

SOLARE DG

FRAMELESS DOUBLE GLAZED WALLS

Designing and developing interior commercial spaces can present many challenges when trying to implement a specific style and function to your project. Many challenges and obstacles arise when including advanced features such as acoustic performance and control of visibility. Solare Double Glazed Walls is designed specifically overcome these obstacles. Solare DG will provide the versatility you need such as electric blindsprivacy glass, and outstanding acoustic value.

Each system retains a standard yet unique structure which utilizes a minimal 1" dual aluminum head and base channel. The dual channeling holds two panes of glass, creating a 2.5" space between each screen. The space in between the dual channeling allows for the insertion of full tilt blinds or other objects for design. The system is absolutely frameless, creating a glazing junction between modules, utilizing "H Channel." The standard height availability of SolareDG is 15 feet, but can be installed within larger applications. Solare DG alos provides an exceptional acoustic rating, ranging from 41 Rw (dB) to 49 Rw (dB), depending on construction and conditions. This outstanding glass wall solution is available in a straight or curved application.

SOLAREDG

GLASS WALLS

CONTRIBUTES TO LEED

Features

- Dry Jointed (No Adhesives Needed)
- Fully Relocatable
- Full Height Installation up to 15 Feet Tall
- Straight Application Available
- Curved Application Available
- Faceted Application Available
- Minimalistic 1" Aluminum Channeling (Standard)
- Electric Tilt Blinds
- Swing Glass Doors Available
- Pocket Sliding Glass Doors Available
- Pivot Timber Doors Available
- Contributes to LEED

Door Intirgrations:

- Pocket Sliding Glass Doors
- Timber Door
- Acoustic 34dB Single Glazed Door
- Double Glazed Door (Optional

Specialty Intirgrations:

- Smart Glass Film
- Non Reflective Glass

Hardware and Fittings:

- Stainless Steel
- High Grade Fittings & Handles
- Custom Assemblies
- Custom Finishes

General Characteristics

Glass Offerings:	3/8" (10 mm) clear tempered glass and 3/8" (10 mm) clear tempered glass - 42 RW (dB) 3/8" (10 mm) clear tempered glass and nominal 3/8" (10 mm) laminated glass - 45 RW (dB). 1/2" (13 mm) clear tempered glass and nominal 3/8" (10 mm) laminated glass - 47 RW (dB). 9/16" (14 mm) Nom - laminated LCD PRIVACY GLAZING - Liquid crystal Special glass thicknesses apart from standard offerings available upon request
Head & Sill Channels:	Extruded 1" (25 mm) aluminum, 2 part glazing channels base and single part heatrack w/ seals Deflection head available on Twin Glazed System
Vertical Wall Trim:	Extruded aluminum 1" (25 mm) face size, 2 piece frame with seals for glazing joints.
Vertical Glass Joints:	Translucent H sections - Hi bond 2mm tape option
Corner Glass Joints:	Extruded aluminum 90 degree junction sections - Extruded PVC 90 degree corners
Doorframes:	Slimline Doorframe 1 5/8" (40mm) x 2 1/8" (52mm) one piece construction for added stability

Storage & Handling

All glass wall systems and doors should be handled with care and stored away in a safe & secure location.

GLASS WALLS

SOLAREDG

BIM 3D MODELS AVAILABLE

- Solare Double Glazed Drawing Index

Drawing Title	Drawing Number
Head - Base Detail	AVS-SDG01
Solare DG System With Optional Doors	AVS-SDG-S1

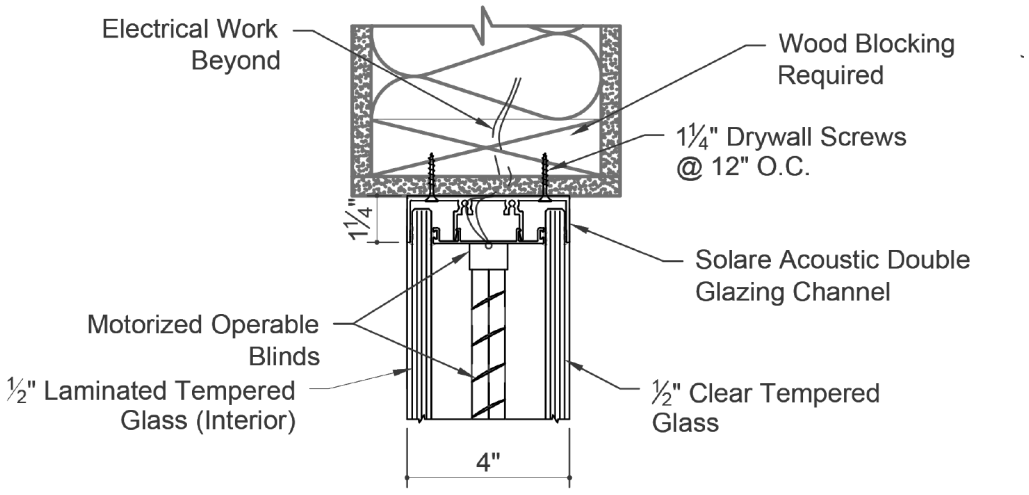
SOLAREDG

GLASS WALLS

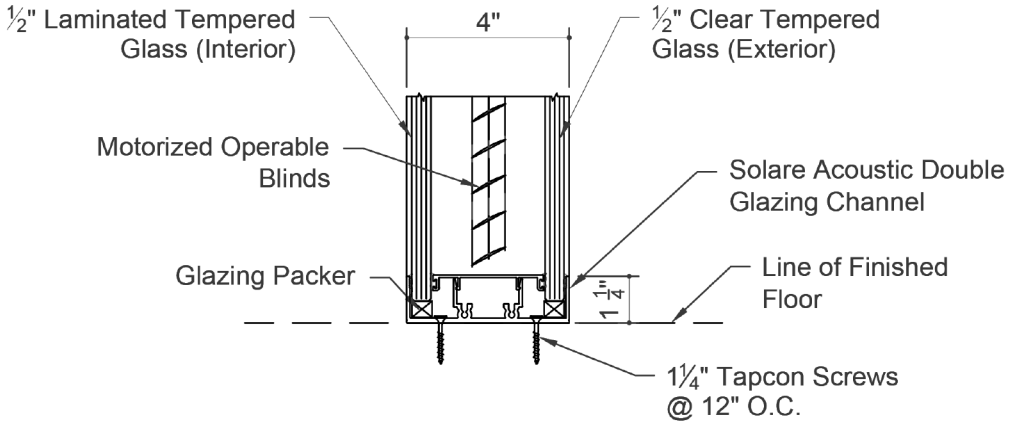
BIM 3D MODEL AVAILABLE

Solare Double Glazed - Head and Base Detail

AVS-SDG01



A Head Details



B Base Details

*Details are subject to amendment in line with our continuous product development.

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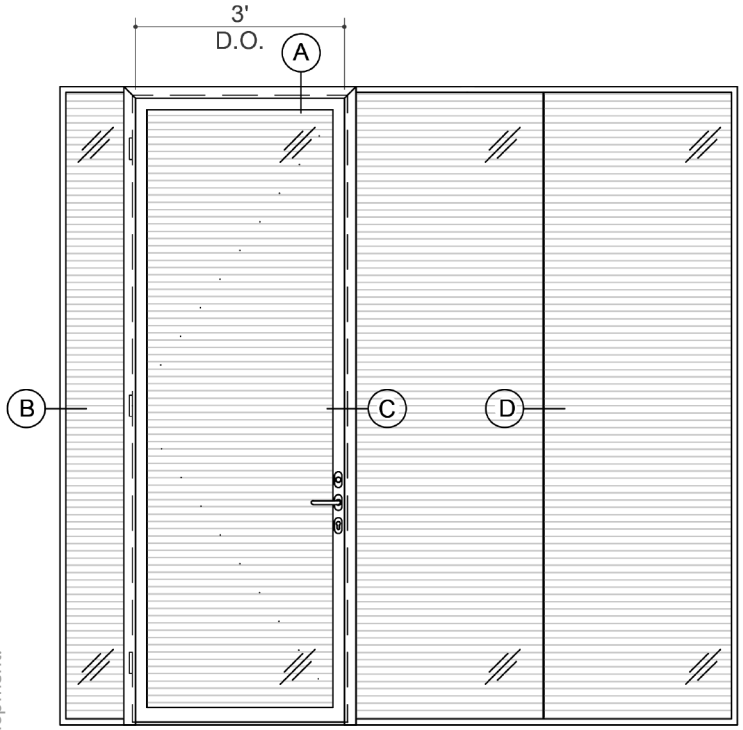
SOLAREDG

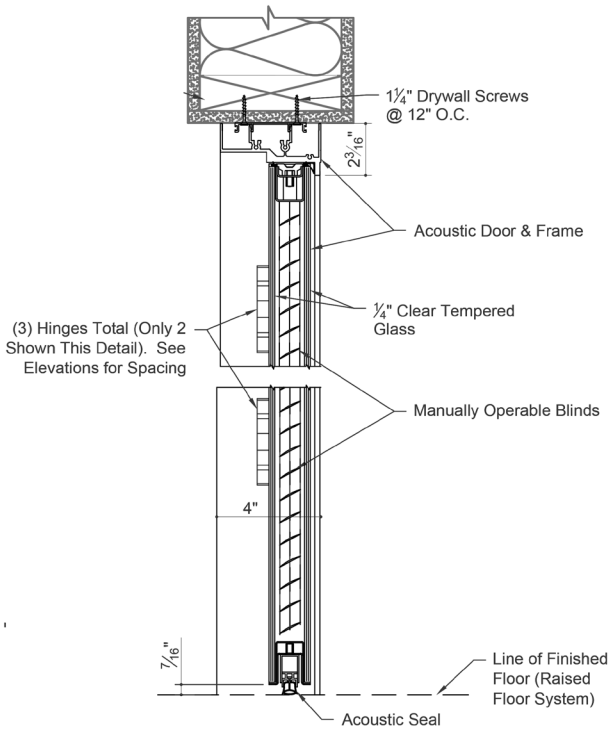
GLASS WALLS

BIM 3D MODEL AVAILABLE

Solare DG with Optional Double Glazed Acoustic Door

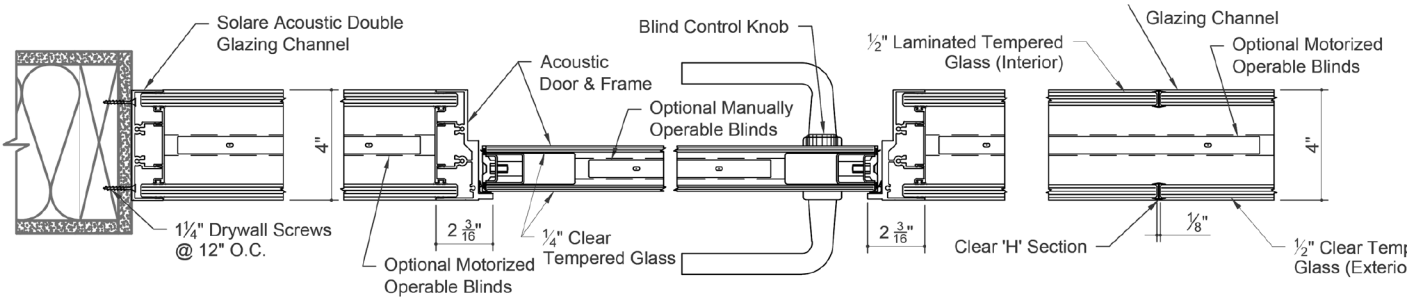
AVS-SDG-S1





1 Solare Double Glazed & Pivot Door Elevation

A Double Glazed Pivot Doors With Blinds



B Double Glazed Jamb

C Double Glazed Door

D Butt Joint

*Details are subject to amendment in line with our continuous product development.

SOLAREDG

INSTALLATION SEQUENCE

Double Glazed Track

1. Verify aperture dimensions and door way location if they apply.
2. Assemble double glazed track with glass stop and insert brush seal.
3. Using a chop saw with metal cutting blade, cut track to appropriate dimensions keeping in mind locations of visual seams.
4. Using a 1/4" drill bit prep track with holes for anchoring (typically 16" on-center).
5. Verify track position in aperture by shop drawings or confer with General Contractor.
6. Anchor track at head and sill with appropriate anchor for surrounding conditions (concrete, wood, etc.).
7. Verify and mark location of each glass panel in aperture along track.
8. Remove glass stop and position glass setting blocks in correct locations.
9. Install all fixed panels using Avanti H section in vertical seams.
10. Glaze internal panel first on double glazed system (or adjust glass for Silicone joint as appropriate (+/- 1/8").
11. Cut temporary glass stops to secure glass in channel until final adjustments are complete.
12. Install permanent glass stops upon completed adjustments.
13. Install the doors as appropriate.

Double Glazed Track with Double Glazed Door Frame

1. Verify aperture dimensions.
2. Fabricate and assemble double glazed door frame.
3. Verify door way location.
4. Anchor double glazed door frame in position at sill and head as appropriate.
5. Assemble double glazed track with glass stop and insert brush seal.
6. Using a chop saw with metal cutting blade, cut track to appropriate dimensions keeping in mind locations of visual seams.
7. Using a 1/4" drill bit prep track with holes for anchoring (typically 16" on-center).
8. Verify track position in aperture according to glass pocket in door frame.
9. Anchor track at head and sill with appropriate anchor for surrounding conditions (concrete, wood, etc.).
10. Verify and mark location of each glass panel in aperture along track.
11. Remove glass stop and position glass setting blocks in correct locations.
12. Install all fixed panels using Avanti H section in vertical seams (or adjust glass for Silicone joint as appropriate (+/- 1/8").
13. Cut temporary glass stops to secure glass in channel until final adjustments are completed.
14. Install permanent glass stop upon final adjustments.
15. Install the door.

Elite

FREE STANDING WALLS

Elite is a cutting edge, free standing glass wall system which provides a highly customizable solution for creating spaces within interior environments. Utilizing top of the line hardware, Elite can be used to create glass rooms within rooms independent of adjacent walls and ceilings.

Elite offers a full range of options that make it very desirable to implement within all interior spaces. The three base options range from a standard 1" slim aluminum track, stainless steel rails or floor mounted L brackets. These stainless steel components are combined with tempered glass and countersunk single point fixings to create a balanced structure.

There is a wide range of components available for you to incorporate into your project. Elite utilizes a unique concept of a freestanding pod or "an office within an office," and therefore it does not require a canopy or structure at the top and will not interfere with air conditioning, ceilings or lighting fixtures. Elite provides a special degree of privacy within the interior setting. There is no limit to your design, as Elite is available in straight, curved, and faceted applications. This freestanding solution is dry-jointed and can be dismantled and relocated.

ELITE

GLASS WALLS

CONTRIBUTES TO LEED

Features

- Frameless Glass Wall System
- No Canopy or Top Fixing Required
- Fully Relocatable
- Single Point Stainless Steel Components
- No Limit to Height of System
- Straight Application Available
- Curved Application Available
- Faceted Application Available
- Contributes to LEED

Door Intirgrations:

- Premium Sliding Glass Doors
- Standard Sliding Glass Doors
- Single Glazed Pivot Door
- Acoustic 34dB Single Glazed Door
- Timber Door

Specialty Intirgrations:

- Smart Glass Film
- Non Reflective Glass

Hardware and Fittings:

- Stainless Steel
- Custom Assemblies
- High Grade Fittings & Handles
- Custom Finishes

General Characteristics

Glass Offerings:	1/2" (13 mm) clear tempered
Head & Sill Channels:	Base and support designed specifically to meet individual project needs
Doorframes:	Slimline Doorframe 1 5/8" (40mm) x 2 1/8" (52mm) one piece construction for added stability

Storage & Handling

All glass wall systems and doors should be handled with care and stored away in a safe & secure location.

GLASS WALLS

ELITE

BIM 3D MODELS AVAILABLE

Elite Free Standing Drawing Index

Drawing Title	Drawing Number
Elevation with Pivot and Sliding Doors	AVS-EFS01
Base Options and Glass to Glass Inline Junction Detail	AVS-EFS02
Glass to Glass Sliding Door Corner	AVS-EFS03
Glass to Glass Corner Junction	AVS-EFS04
Elite Free Standing - Post Connection	AVS-EFS05

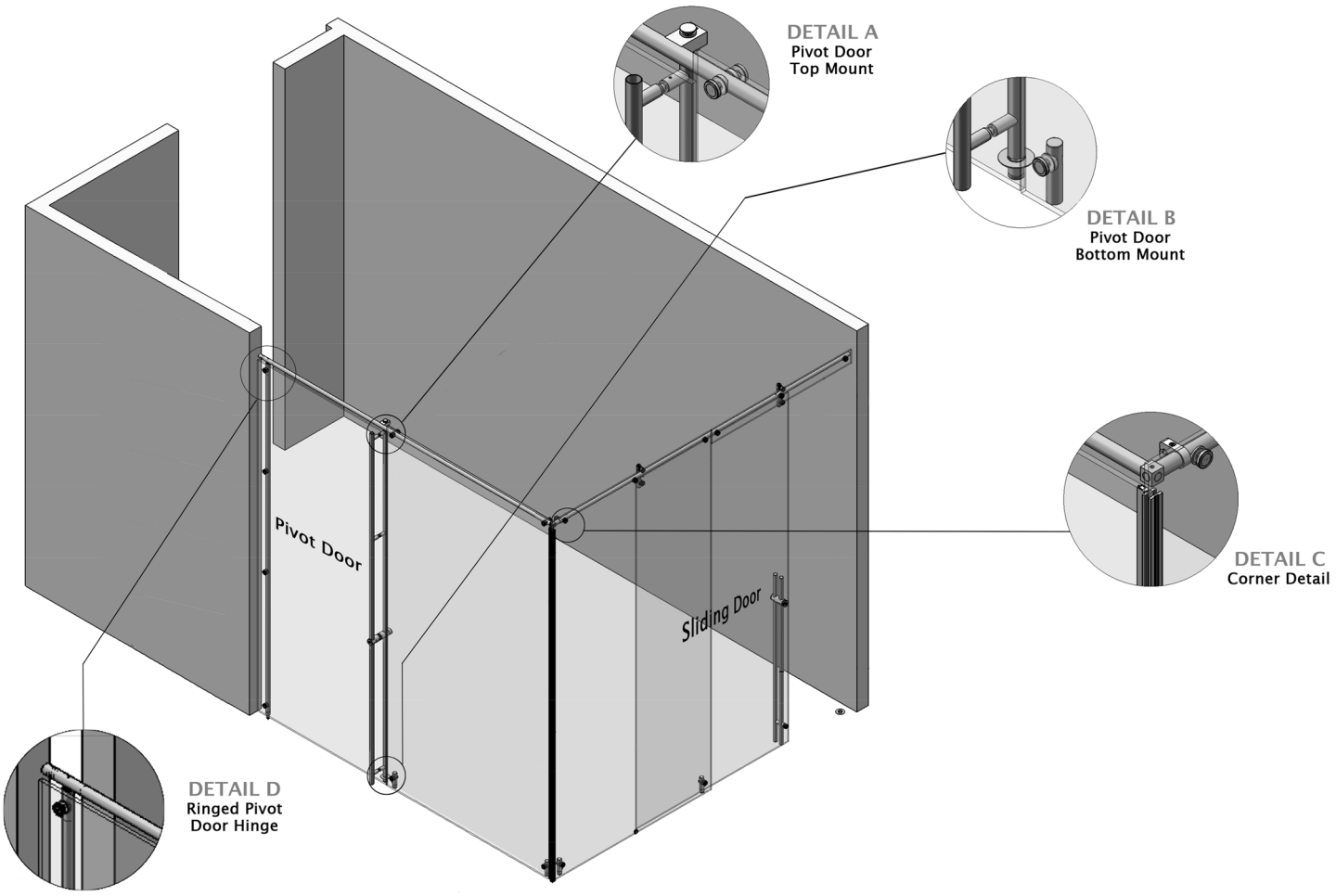
ELITE

GLASS WALLS

BIM 3D MODEL AVAILABLE

Elite Free Standing Elevation - With Optional Pivot Door or Sliding Door

AVS-EFS01




NORMAN GRANZ
JAM SESSION
UMV 2530 MONO
#1


EXIT

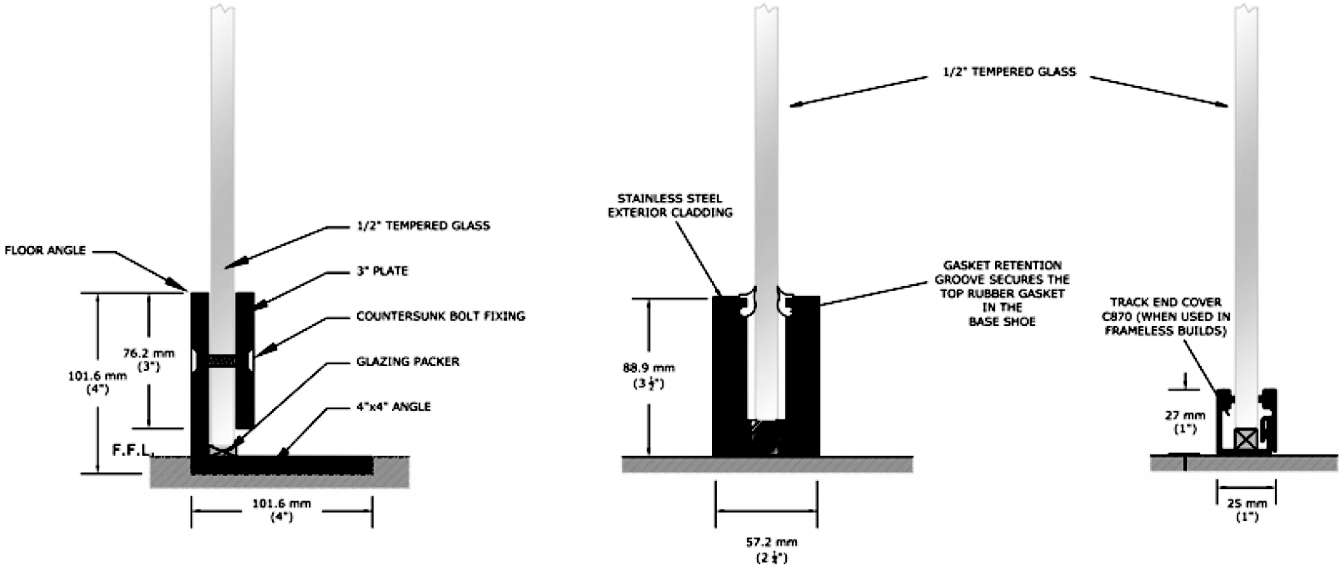
ELITE

GLASS WALLS

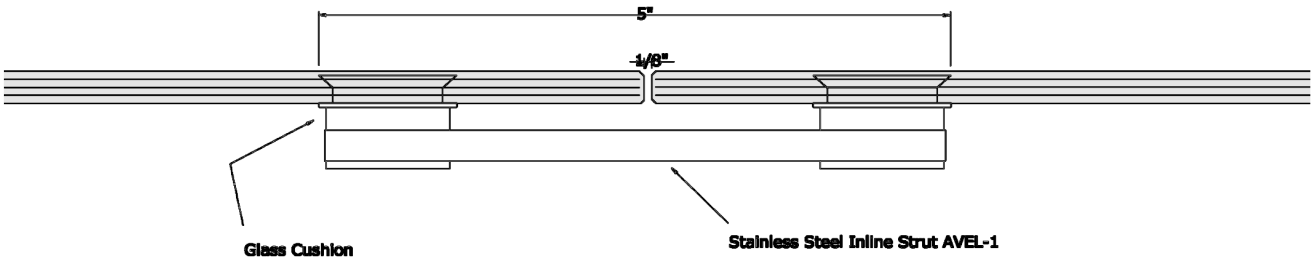
BIM 3D MODEL AVAILABLE

Elite Free Standing - Base Options and Glass to Glass Inline Junction Details

AVS-EFS02



Inline Junction



2 No fittings up to 6'
3 No fittings up to 8'

*Details are subject to amendment in line with our continuous product development.

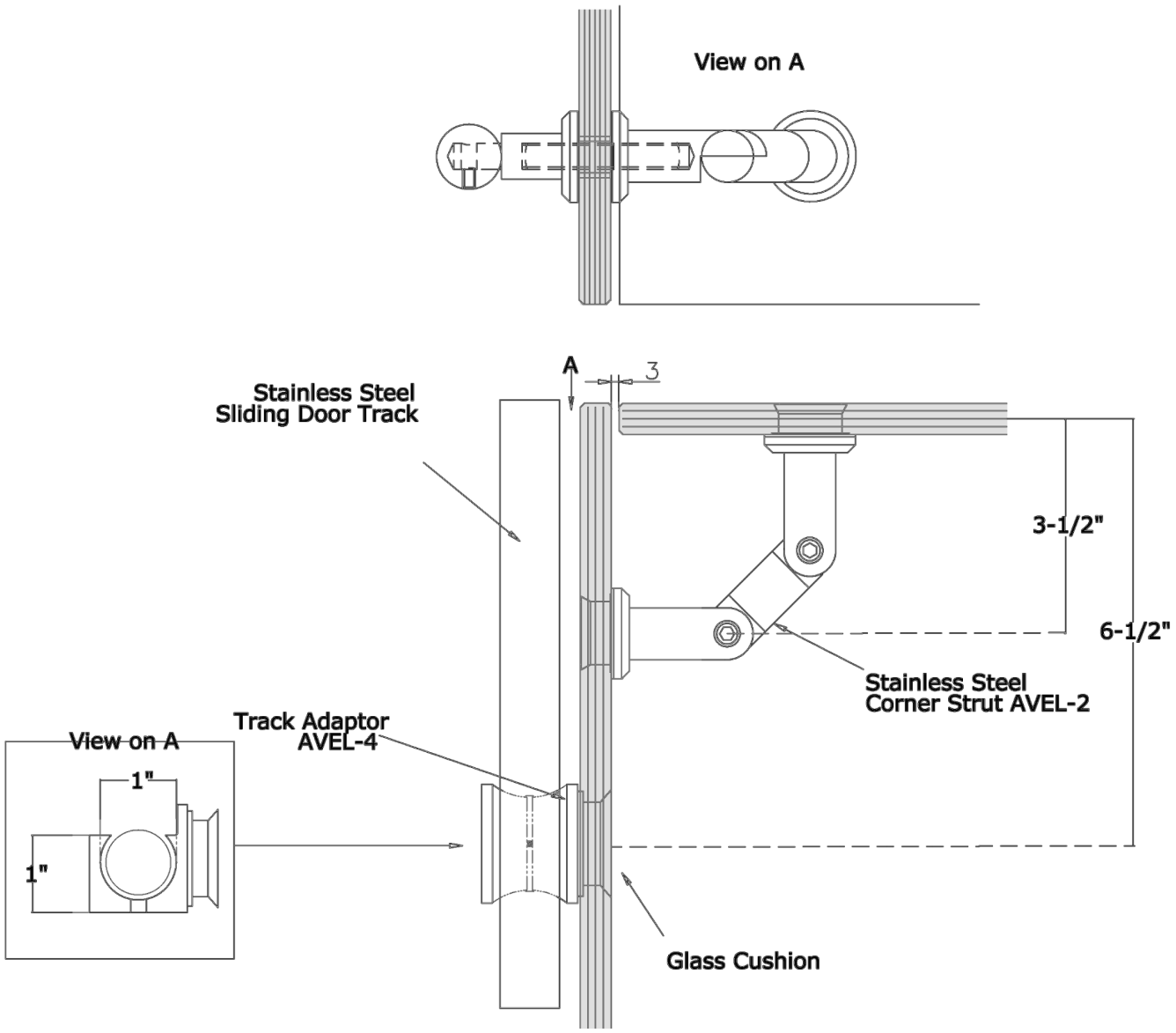
ELITE

GLASS WALLS

BIM 3D MODEL AVAILABLE

Elite Free Standing - Glass to Glass Sliding Door Corner

AVS-EFS03



*Details are subject to amendment in line with our continuous product development.

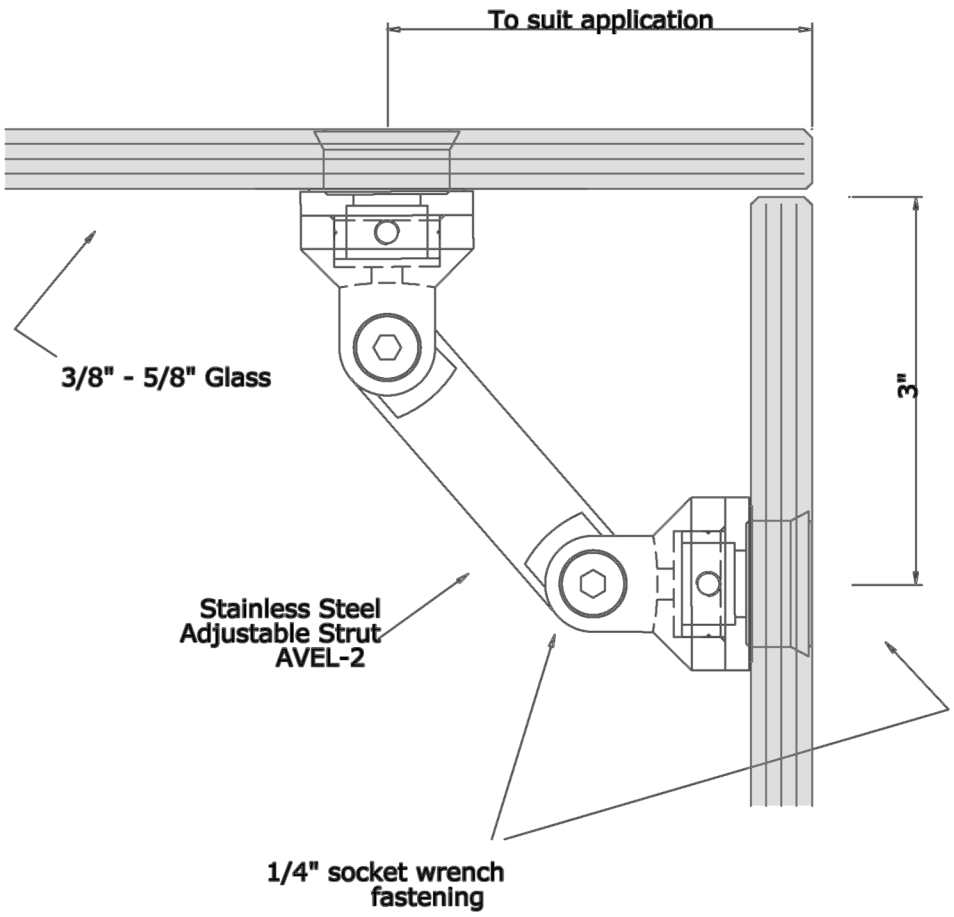
GLASS WALLS

ELITE

BIM 3D MODELS AVAILABLE

AVS-EFS04

- Elite Free Standing - Glass to Glass Corner Junction



*Details are subject to amendment in line with our continuous product development.

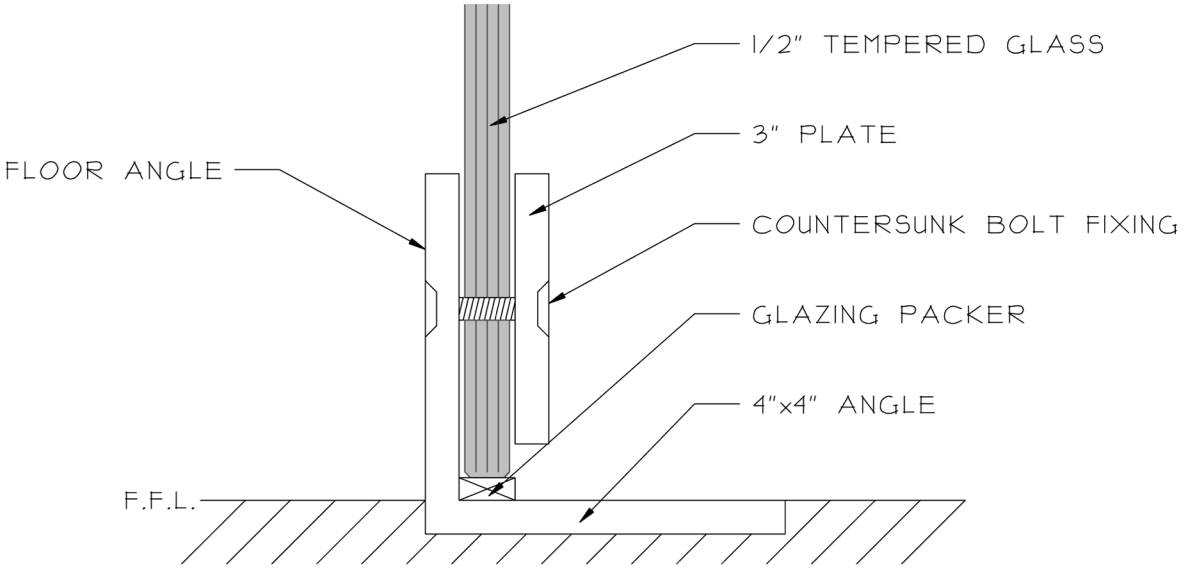
ELITE

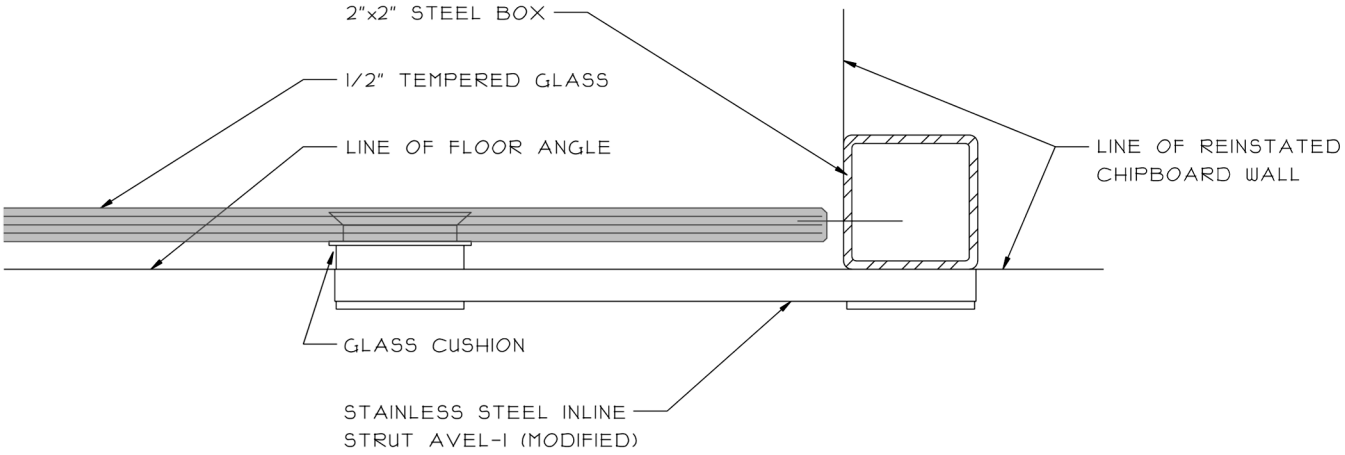
GLASS WALLS

BIM 3D MODEL AVAILABLE

Elite Free Standing - Post Connection

AVS-EFS05





*Details are subject to amendment in line with our continuous product development.

GLASS WALLS

ELITE

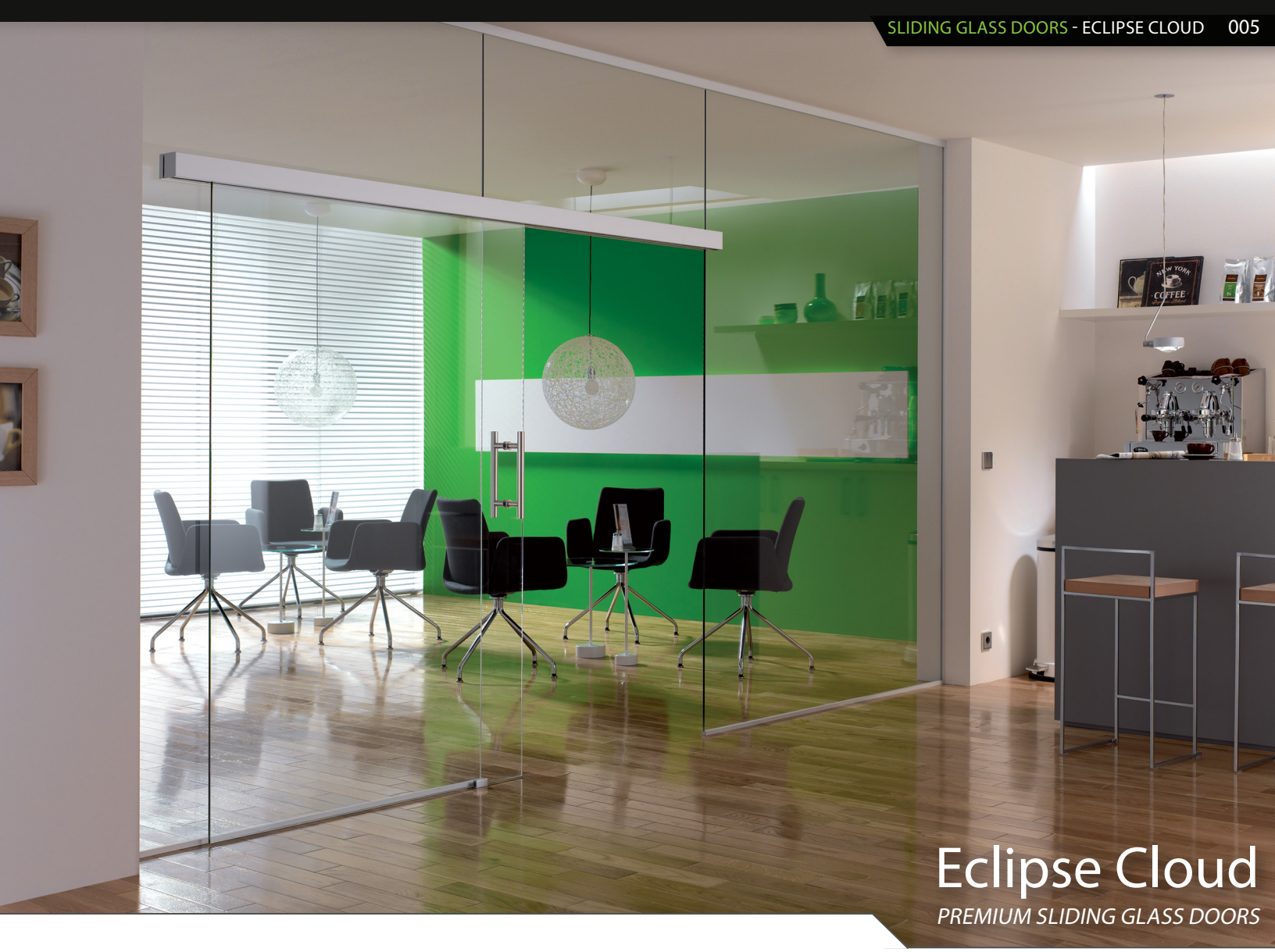
INSTALLATION SEQUENCE

Elite Free Standing Glass Wall Intallation Sequence

1. Verify aperture dimensions and door way location as appropriate.
2. Assemble single glazed track with glass stop and insert brush seal.
3. Using a chop saw with metal cutting blade, cut track to appropriate dimensions keeping in mind locations of visual seams.
4. Using a 1/4" drill bit prep track with holes for anchoring (typically 16" on-center)
5. Verify track position in aperture by shop drawings or confer with General Contractor.
6. Anchor track (typically sill only on Elite System) with appropriate anchor for surrounding conditions (concrete, wood, etc.).
7. Verify and mark location of each glass panel in aperture along track.
8. Remove glass stop and position glass setting blocks in correct locations.
9. Install all fixed panels using Avanti H section in vertical seams (or adjust glass for Silicone joint as appropriate (+/- 1/8").
10. Cut temporary glass stops to secure glass in channel until final adjustments are completed.
11. Install permanent glass stop upon completed final adjustments
12. If aperture consist of a 90° corner glazing, start at that location because this is a structure point within the aperture (use correct glass connector in this location).
13. Typically on Elite System, 180° glass-to-glass connectors will need to be installed as each separate panel is glazed in position to adjoin the panels together over the run.
14. Install the doors as appropriate.

GLASS DOORS

PREMIUM SLIDING GLASS DOORS
STANDARD SLIDING GLASS DOORS
SINGLE GLAZED ACOUSTIC DOOR
DOUBLE GLAZED ACOUSTIC DOOR
STANDARD PIVOT DOOR



Eclipse Cloud

PREMIUM SLIDING GLASS DOORS

Avanti Systems USA presents Eclipse Cloud™, the latest innovation in interior sliding glass doors and the premium choice for modern interior office design. Eclipse Cloud™ comes standard with sophisticated patented features such as Comfort Stop, Auto Close and Exact Trigger technologies. Considered the next step in interior sliding glass doors, Eclipse Cloud™ delivers cutting edge technical precision and beauty.

MOVABLE WALLS

SINGE GLAZED MOVABLE WALLS
ACOUSTIC MOVABLE WALLS

Movable Walls

SINGLE GLAZED MOVABLE WALLS

Avanti Movable Glass Wall Systems are designed to efficiently divide space while offering advanced operable functionalities. This movable wall system is highly effective in organizing office and commercial spaces by providing the option to open or enclose large areas when necessary. When not in use, Avanti Movable Walls can be parked in various customizable configurations that seamlessly disappears from view.

If you require a movable wall system that can also provide advanced privacy options, acoustical performance and semi-automatic operation, explore our Acoustic Movable Walls