imagine
extraordinary

ΞS | Railings
& Balcony Dividers

For all those who embrace **design as equally as they value quality.**

Our railings are designed for sophistication and style. Each piece is carefully manufactured and checked for quality, ensuring full functionality and the ultimate end-user experience. We have the perfect solution for every architectural vision.

Explore our diverse railing series and transform your spaces with sophistication and durability.

Advanced Technology, **Innovative Highlights.**

Transform your spaces with the modern elegance of our exquisite range of railing systems at ES. From sleek and contemporary to cutting-edge minimalism, our railing collection offers a diverse array of modern designs that effortlessly fuse style and functionality.

Our modern railing systems are designed to elevate any space to new levels of sophistication.

ES Railings & Balcony Dividers Options

RAILINGS
EMBEDDED WITH POST

ES-RL3030

Is a modular railing gate system, four railing cap options available. pre-assembled & glazed and XR aperture only.

ES-RL3031

Is a modular glass railing system, pre-assembled & glazed for embedding into concrete.

ES-RL3520

Is a railing system ready to install with corner configurations and anodized, painted and wood grain finishes available. Pre-assembled & pre-glazed, embedded in concrete.

ES-RL3525

Is a railing system with front of slab and above of slab options. It is embedded into concrete, corner option available, preassembled glass panels.

ES-RLAM40

Is a modular glass railing system, pre-assembled & glazed for embedding into concrete, anodized, painted and wood grain finishes available.

050M

Is an integrated railing system. Designed for exterior and interior glazing. It comes preassembled with an optional reinforcement available.

SERIE 950

Is a railing system with glass panels in front of slab, for interior and exterior use and corner options available. Pre-assembled & pre-glazed, embedded in concrete.

ES-FS30

Is a railing system designed for embedding into concrete, featuring compatibility with laminated glass. Engineered for strength, it offers resistance to small missile impacts, ideal for interior and exterior applications.

ES-VT30

The ES-VT30 is a state-of-the-art embedded railing system that combines modern design with unparalleled performance. Its robust construction ensures compatibility with straight, concave, and convex glass configurations, offering flexibility for diverse architectural needs.

SURFACE MOUNTED POSTLESS
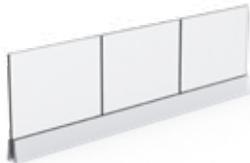
ES-RL5540

Is a railing system with laminated glass with vertical polished edge and embedded into Sika grouting for stability.

ES-RL5740

Is a system with laminated glass with vertical polished edge. Straight and 80° angle configurations available.

PICKET RAILING

Vertical Picket Railing

This pre-assembled modular railing system is perfect for any space.

ES
METALS

DOOR RAILINGS

ES-RG

Is an adaptable modular glass gate system, with swing gate with locking device, pre-assembled & glazed For embedding into concrete.

WINDSCREEN

EMBEDDED WITH POST

WS5032

Is a wind screen system with glass panels for interior and exterior use and corner options available. Preassembled & pre-glazed, embedded in concrete.

SURFACE MOUNTED POSTLESS

WS8526

is a wind screen system with laminated glass, vertical polished edge and embedded into Sika grouting for stability.

BALCONY DIVIDERS

ES-9500

Is a system large missile impact, with laminated and insulating-laminated glass for embedding into concrete, anodized, painted and wood grain finishes available.

ES-BD4050

Is a system with top and bottom rail and laminated glass with vertical polished edge.
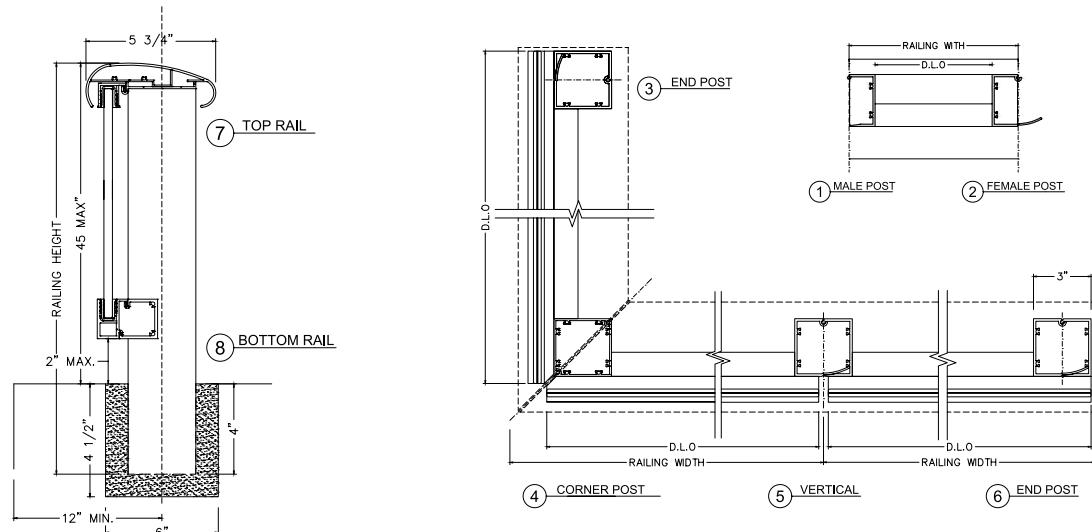
ES-RL3030
Railing

Description:
· Modular glass railing.
· Pre-assembled & glazed.
· 42 embedment depth.
· 6" embedment diameter.
· 12" minimun edge distance.
· Mullion size 3"x3".
· Four railing cap options available.
· Options of bottom rail available.
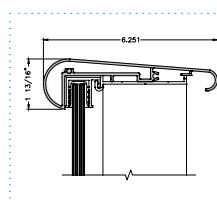· Corner available.

Performance & Highlights

Glazing options	G1: 3/16" Temp + 0.035" SGP + 3/16" Temp G2: 3/16" Temp + 0.060" SGP + 3/16" Temp
Aluminum	2605 FINISH
Sizes	Maximum sizes: **Width:** 49" | **Post Height:** G1 -48" | G2: 52".
Design Load	+/-120 PSF

Details & Configurations

ES-RL3030-001A GMP-100 ES-RL3030-401 ES-RL3030-402
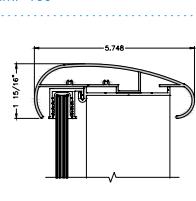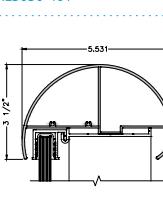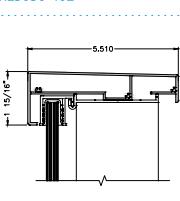
This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.
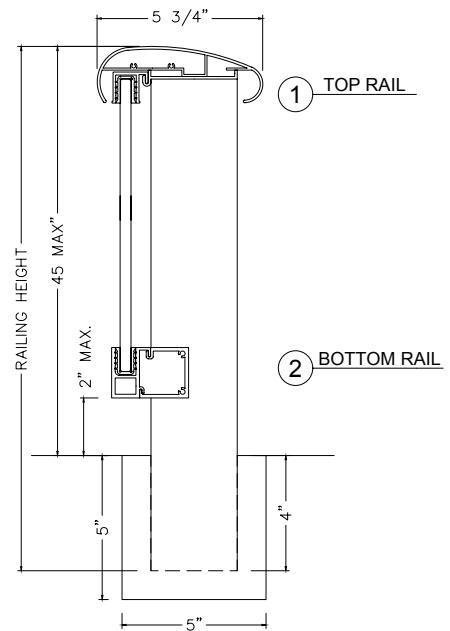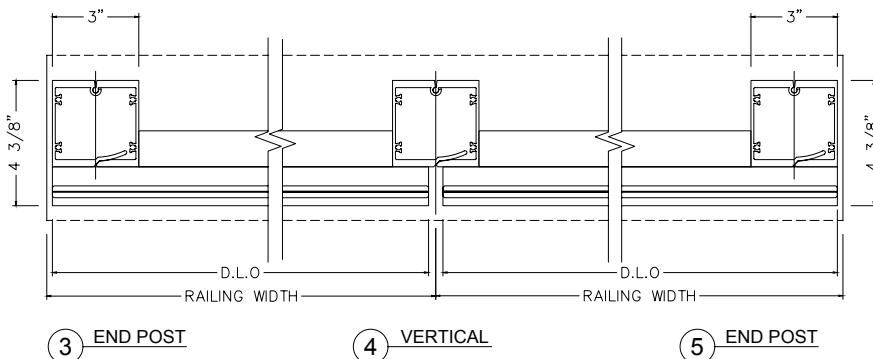
ES-RL3031

Railing

Description:

· Pre-assembled & glazed.
· Modular glass railing system.
· For embedding into concrete.
· Cap width: 5 3/4".
· Mullion size: 3" x 3".
· Reinforced mullion.
· 6" embedment diameter.
· 5" post embedment depth.
· 7" edge distance.

Performance **& Highlights**

Glazing options	3/16" clear tempered glass + 0.035" SentryGlas + 3/16" clear tempered glass. - Laminated Glass.
Aluminum	2605 FINISH
Sizes	Maximum tested size: **Panel Width:** 48" | **Panel Height:** 49".
Design load	+/-185 PSF.
Tested & certified	TAS202, ANSI Z97.1.

Details **& Configurations**

3" 4 3/8"
D.L.O
RAILING WIDTH

3" 4 3/8"
D.L.O
RAILING WIDTH

③ END POST   ④ VERTICAL   ⑤ END POST

5 3/4"
① TOP RAIL
RAILING HEIGHT
45 MAX"
2" MAX.
② BOTTOM RAIL
5"
4"
5"

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

ES-RL3520
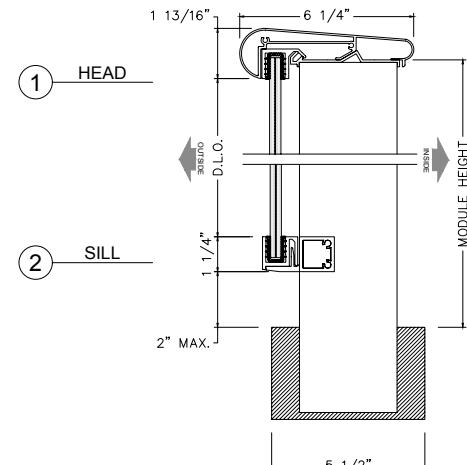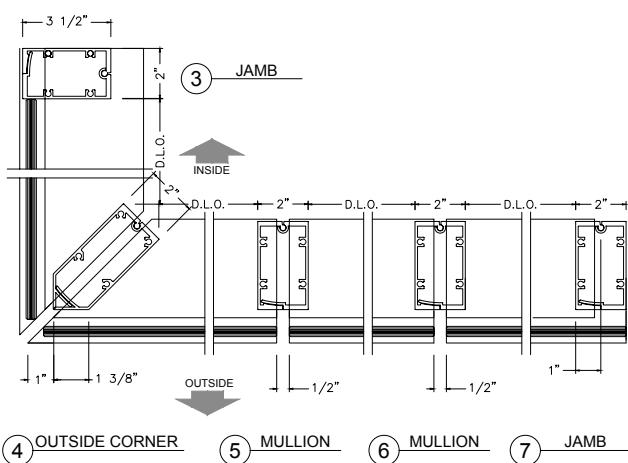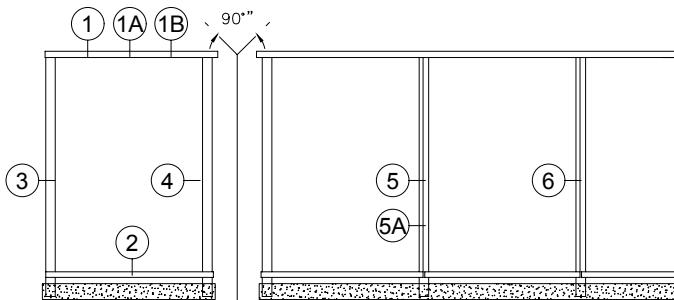## Railing

Description:

· Pre-assembled & pre-glazed.
· Ready to install.
· With corner configurations.
· Embedded in concrete
· Rail cap depth: (5 1/2" or 6 1/4")
· Sight line: 2"
· Frame depth 3 1/2"

Performance **& Highlights**

Glazing options	3/16" Temp. + 0.035" Sentryglass + 3/16" Temp.
Aluminum	2605 FINISH
Sizes	Maximum size per unit: **Width:** 50" | **Height:** 43 5/16".
Design load	+/- 145 PSF.

Details **& Configurations**
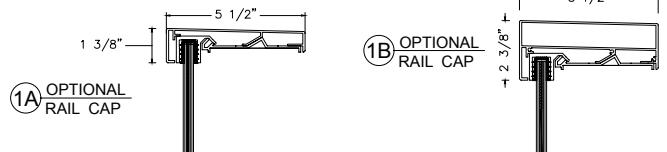
This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

ES-RL3525
Railing

Description:

· Embedded into concrete.
· Corner option available.
· Pre-assembled glass panels.
· Railing depth: 12".
· 6" embedment diameter.
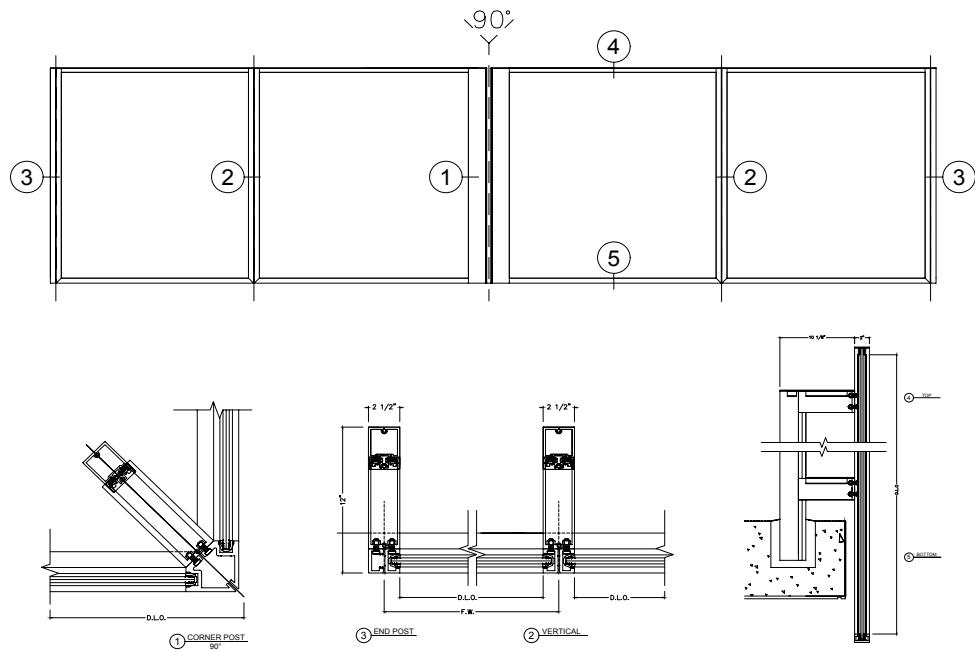· 6 1/2" embedment depth.
· 7" edge distanceG1.

Performance & Highlights

Glazing options	G1: 1/2" Clear Temp. Glass. G2: 3/16" Temp. Glass + 0.060" SGP + 3/16" Temp Glass.
Aluminum	2605 FINISH
Sizes	Maximum tested size: **Width:** 5'-4 5/16" | **Height:** 5'-6".
Sealant	Weatherproofing Silicone | Structural Silicone.
Design load	+120/-120 PSF.
Pull test	400 lb.
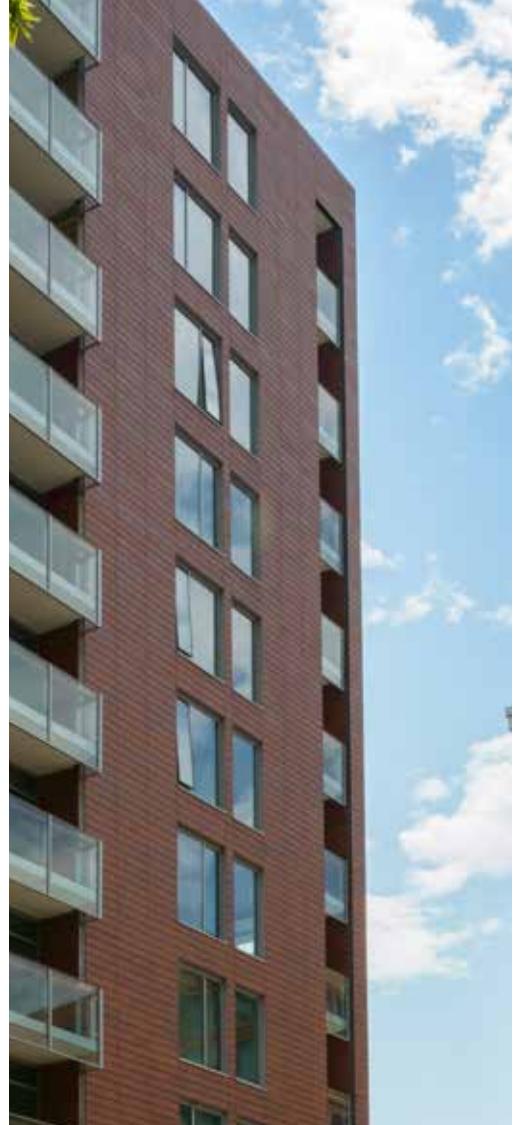
Details & Configurations

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

ES-RLAM40
Railing

Description:

· Pre-assembled & glazed.
· Hinge arms mechanism that allows avariety of options from straight to angularand corner configurations.
· For embedding into concrete.
· Frame depth: 6 3/4"
· 7" embedment diameter.
· 4 1/4" post embedment
· 4 3/4" embedmenth depth, 6 3/4" edgedistance

Performance & Highlights

Glazing options	3/16" Heat stren'd glass + 0.035" SGP interlayer + 3/16" Heat stren'd glass - Laminated Glass.
Aluminum	2605 FINISH
Sizes	Maximum tested size: **Panel Width:** 50 1/16" | **Panel Height:** 44".
Design pressure	+120/-120 PSF.
Structural test pressure	240 PSF.
TAS 202	120 PSF.

Details & Configurations
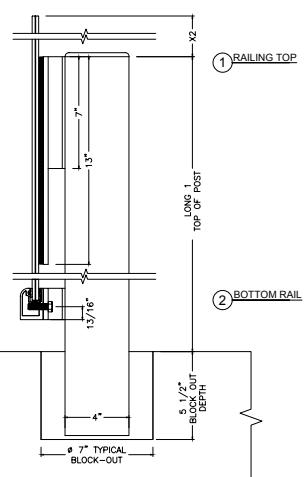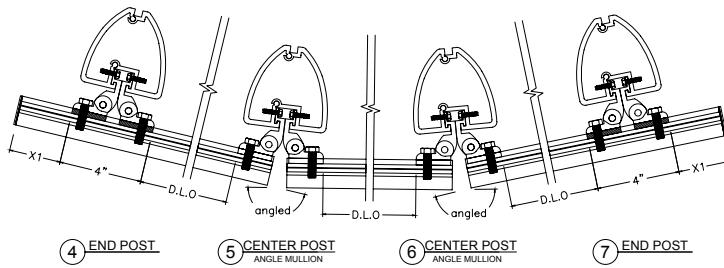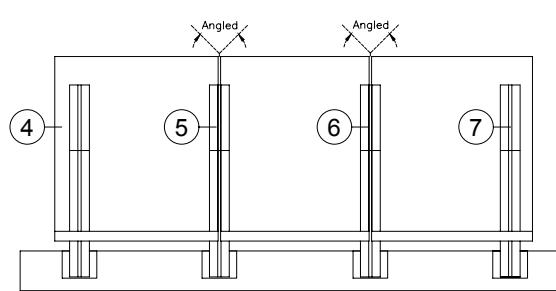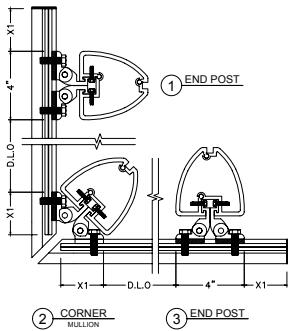
This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

050M
Railing

Description:

· Embedded railing system.
· 4 1/16" embedment diameter.
· 4" post embedment.
· 7" edge distance.
· Outside and inside glazed.
· SSG and captured verticals.
· Pre-assembled.
· Reinforcement option available.

Performance **& Highlights**

Glazing options	3/8" Clear Temp | Monolithic glass Outside reglaze 3/8" Clear Temp | Monolithic glass inside reglaze.
Sizes	Maximum size per unit: **Width:** 54" | **Height:** 44".
Frame depth	4" – 5 1/4"
Design load	+130 PSF.
Aluminum	ALLOY 6063-T6 - ALLOY 6005-T5

Details **& Configurations**
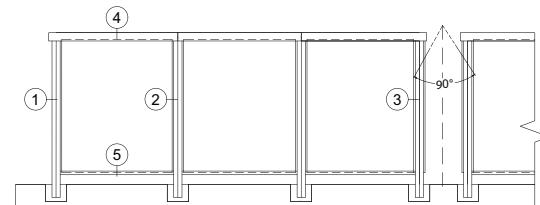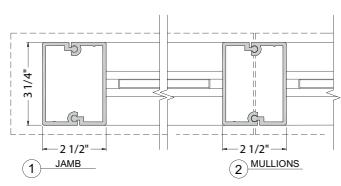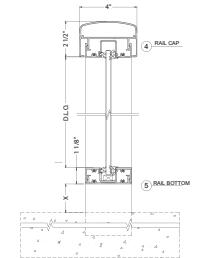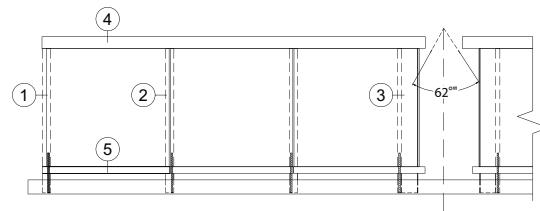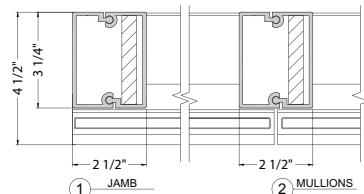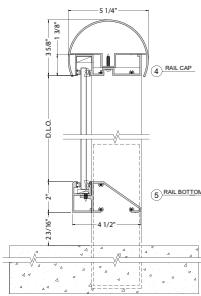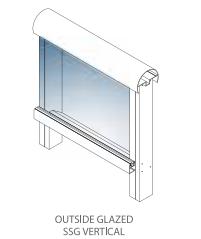
OUTSIDE GLAZED
SSG VERTICAL

INSIDE GLAZED
VERTICAL CAPTURED

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

SERIE 950
Railing

Description:

· SSG and captured verticals.
· Pre assembled.
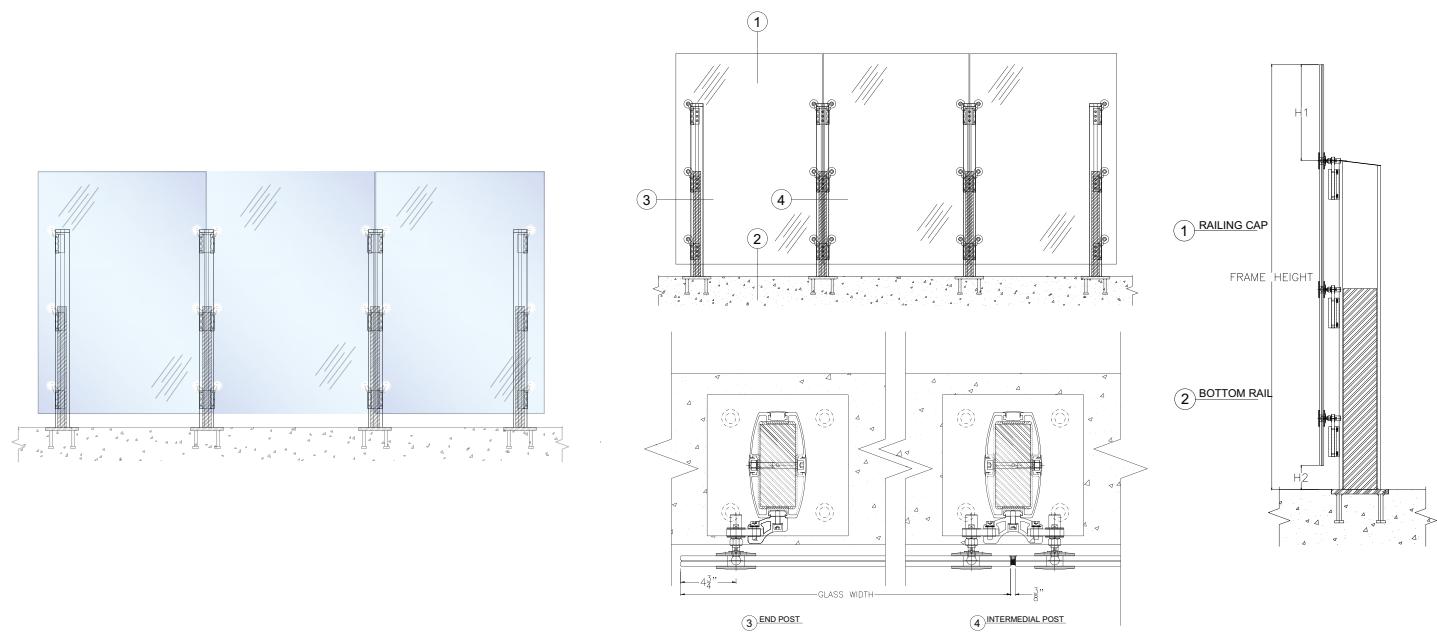· Reinforcement option available.
· Floating glass railing system.

Performance & Highlights

Glazing options	3/8" Temp + 0.125 SGP + 3/8 Temp"
Aluminum	2605 FINISH
Sizes	**Width:** 60" | **Post Height:** 44" | **Glass Height:** 82".
Design load	+130 PSF.

Details & Configurations

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

ES-FS30
Railing

Description:

· For embedding into concrete.
· Laminated glass with vertical polishe edge.
· Curved configuration available.
· Modular configuration available.

Performance & Highlights

Glazing options	**G1-LMI:** 3/16" FT GLASS + 0.060 SGP + 3/16" FT GLASS. **G2-SMI:** 3/16" FT GLASS + 0.035 SGP + 3/16" FT GLASS **G3:** 3/16 " FT GLASS + 0.12 SGP + 3/16" FT GLASS
Aluminum	ALLOY 6005-T5
Sizes	Maximum size per unit: **Width:** 51 3/4" | **Height:** 44".
Design load	+84/+84 PSF.
Tested & certified	TAS201, TAS202, ANSI Z97.1

Details & Configurations

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.
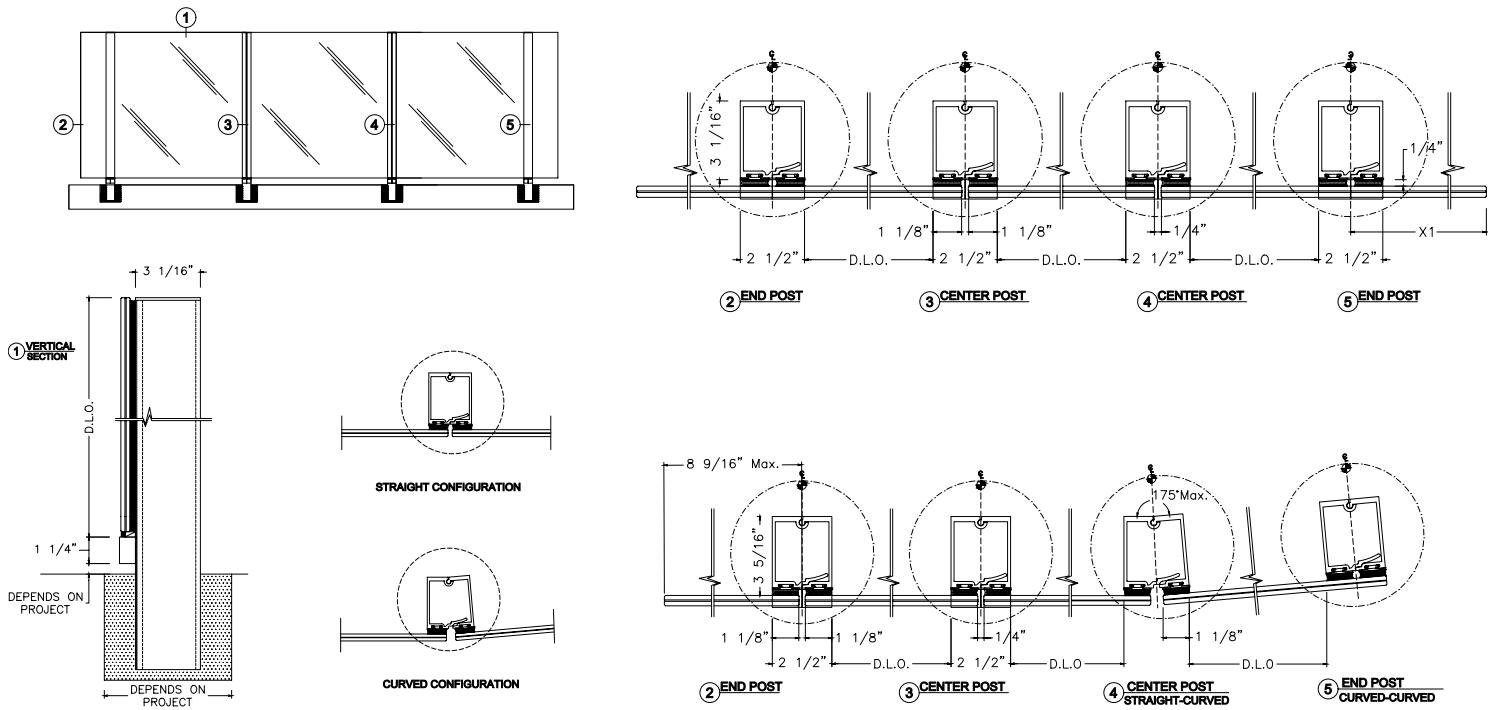
ES-VT30
Railing

Description:

· For embedding into concrete.
· Concave and Convex glass option.
· Modular configuration available.
· Designed for : 5/8" and 7/16" laminated glass

Performance & Highlights

Glazing options	**G1 - Curved Glass:** 1/4" FT glass + 0.12" SGP + 1/4" FT glass. **G2:** 3/16" FT glass + 0.06" SGP + 3/16" FT glass.
Aluminum	ALLOY 6063-T6 | ALLOY 6005-T5
Sizes	Maximum heigths: **Railing:** 48" | **Post:** 35" | **Glass:** 43" **Radius of curvature:** 100" | **Post depth:** 3"
Embedment	**Diameter:** 6" | **Depth:** 5"
Design load	+90/+90 PSF.
Tested & certified	TAS201, TAS202, ANSI Z97.

Details & Configurations
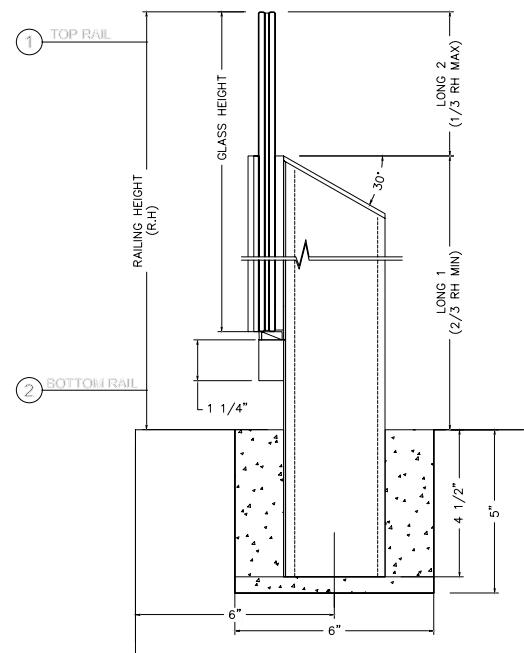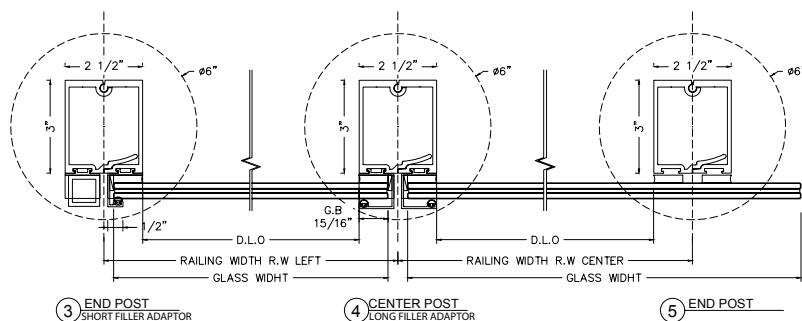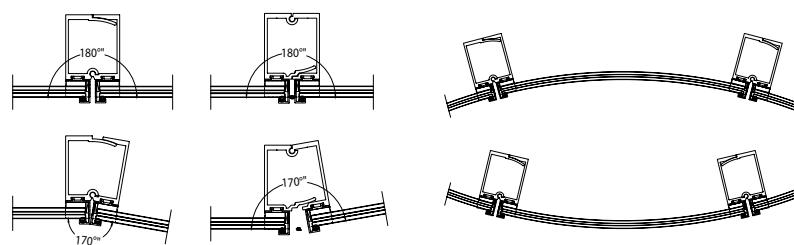
This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

ES-RL5540

Railing

Description:

· Laminated glass with vertical polished edge.
· Embedded into Sika grouting for stability.
· Frame depth: 4".
· Shoe height: 5 9/16".
· Edge distance: 5 9/16".

Performance & Highlights

Glazing options	3/8" Temp. Glass + 0.06" Spg Interlayer + 3/8" Temp. Glass - Laminated Glass.
Aluminum	2605 FINISH
Sizes	Maximum size: **Width:** 70" | **Height:** 44 1/2".
Sealant	Weatherproofing Silicone | Structural Silicone.
Design load	+160/-160 PSF.

Details & Configurations

1 TOP RAIL

2 BOTTOM RAIL

D.L.O

5 9/16"

4"

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.
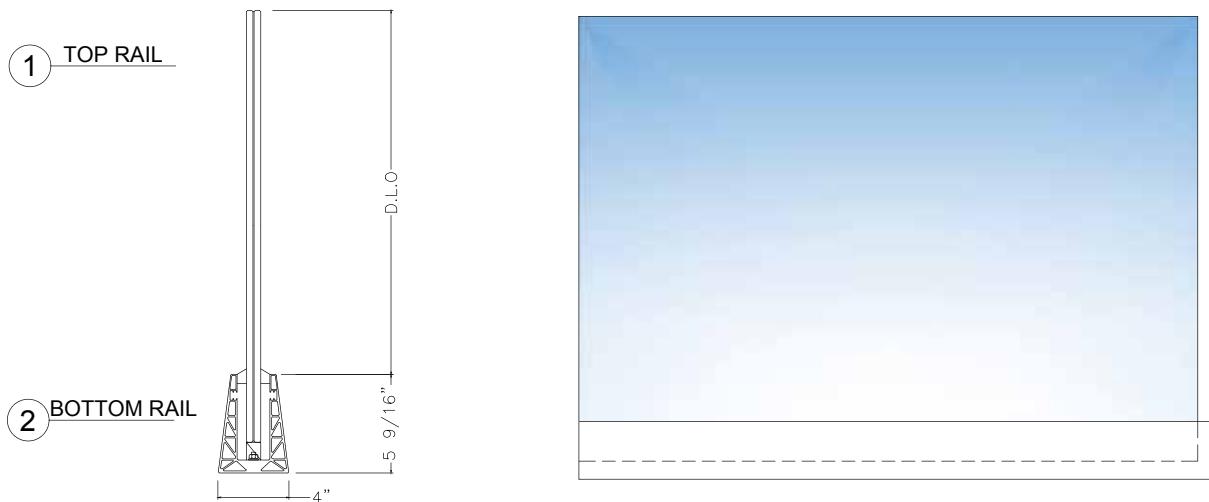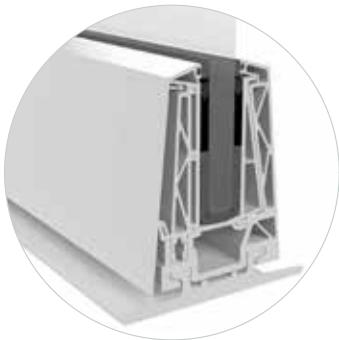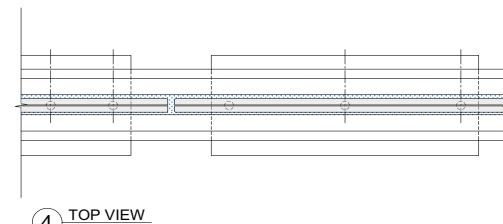
ES-RL5740

Railing

Description:

· Laminated glass with vertical polished edge.
· Straight and 80° angle configurations available.
· Frame depth: 4".
· Bottom rail height: 6 5/16".

Performance **& Highlights**

Glazing options	3/8" Temp + 0.060" SGP + 3/8" Temp - Laminated Glass - Straight
Aluminum	2605 FINISH
Sizes	Maximum tested size: **Width:** 50" | **Height:** 44 1/2".
Design load	+160/-160 PSF.
Drop test	400 FT-LB

Details **& Configurations**
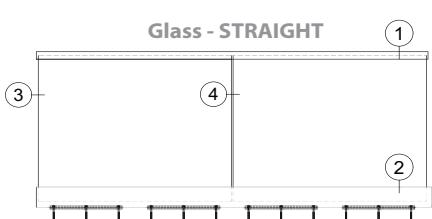
Glass - STRAIGHT

① TOP RAIL
② BOTTOM RAIL
③ TOP VIEW

Glass - 80°

⑤ TOP RAIL
⑥ BOTTOM RAIL
④ TOP VIEW

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.
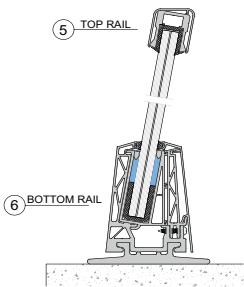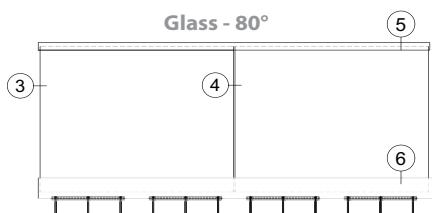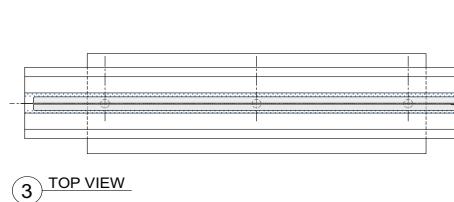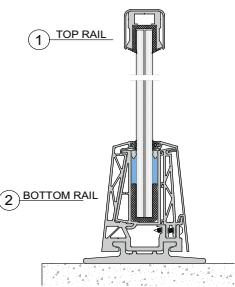
WS5032
Railing

Description:

· Frame depth: 5".
· Straight or angle.
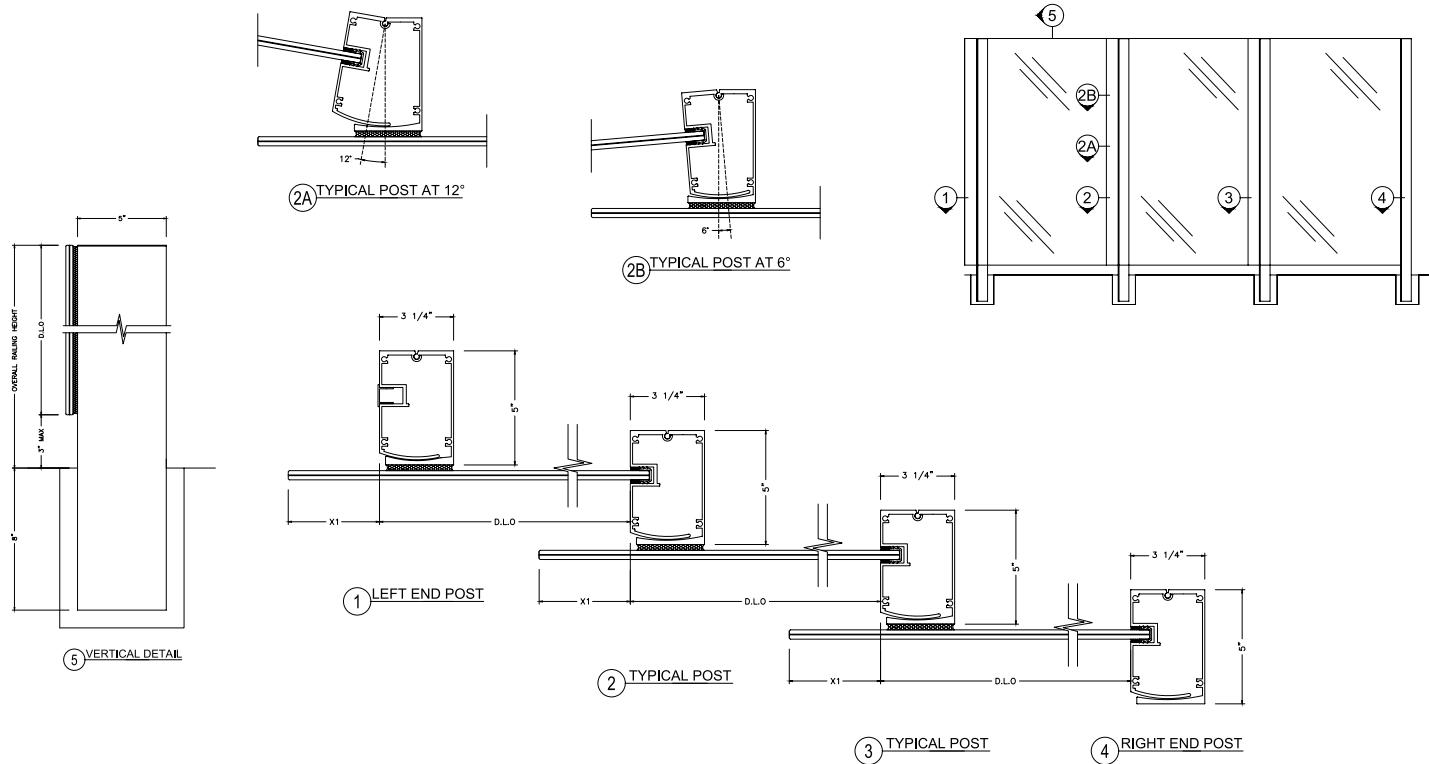· Slab embedded support posts.
· 8" post embedment.

Performance & Highlights

Glazing options	3/16" Heat Stren'd Glass + 0.03" Interlayer Sentryglass + 3/16" Heat Stren'd Glass.
Aluminum	2605 FINISH
Sizes	**Post Height:** 80" | **Glass Height:** 70" | **Glass Width:** 60 11/16" | **Post CL to CL dimension:** 48".
Sealant	Structural Silicone.
Design load	+/- 100 PSF (Wind pressures).

Details & Configurations

2A TYPICAL POST AT 12°

2B TYPICAL POST AT 6°

5 VERTICAL DETAIL

1 LEFT END POST

2 TYPICAL POST

3 TYPICAL POST

4 RIGHT END POST

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

WS8556

Windscreen

Description:

· Shoe depth: 8 1/2".
· Sight line: 5 5/8".
· Embedded into grouting for stability.
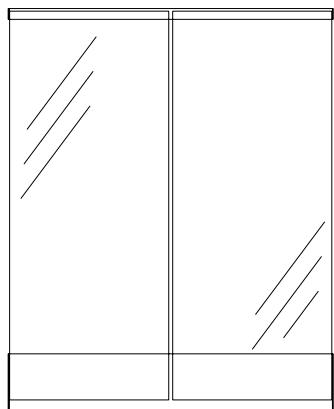· On-site assembly.

Performance & Highlights

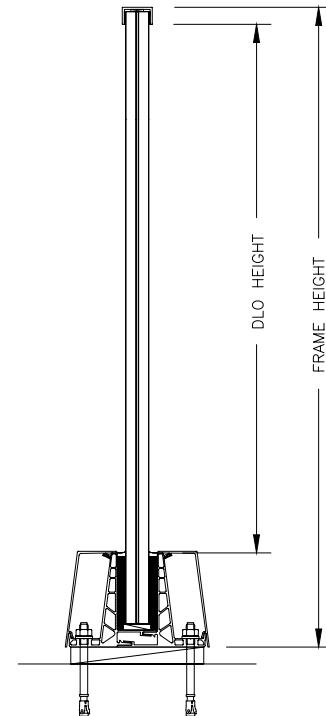|	
Glazing options	5/8" Temp Glass + 0.090"Sentryglass + 3/16" Temp Glass
Aluminum	2605 FINISH
Sizes	**Post Height:** 80" | **Glass Height:** 70" | **Glass Width:** 60 11/16" | **Post CL to CL dimension:** 48".
Design load	+/- 140 PSF (Wind pressures).

Details & Configurations

MULTIPLE

SINGLE

GLASS WIDTH — GLASS WIDTH
3/8"
FRAME WIDTH

GLASS WIDTH
FRAME WIDTH

DLO HEIGHT

FRAME HEIGHT

67 7/8" DLO HEIGHT
74 9/16" FRAME HEIGHT
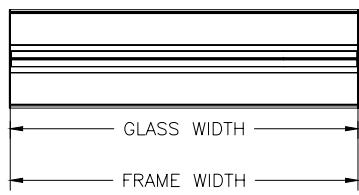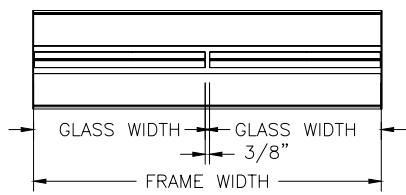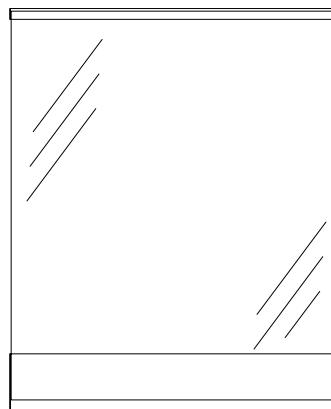
VERTICAL PICKET RAILING

Railing

Description:

· Pre-assembled.
· Modular railing system.
· Cap width: 2-5/8".
· Mullion size: 2-1/4".

Performance **& Highlights**

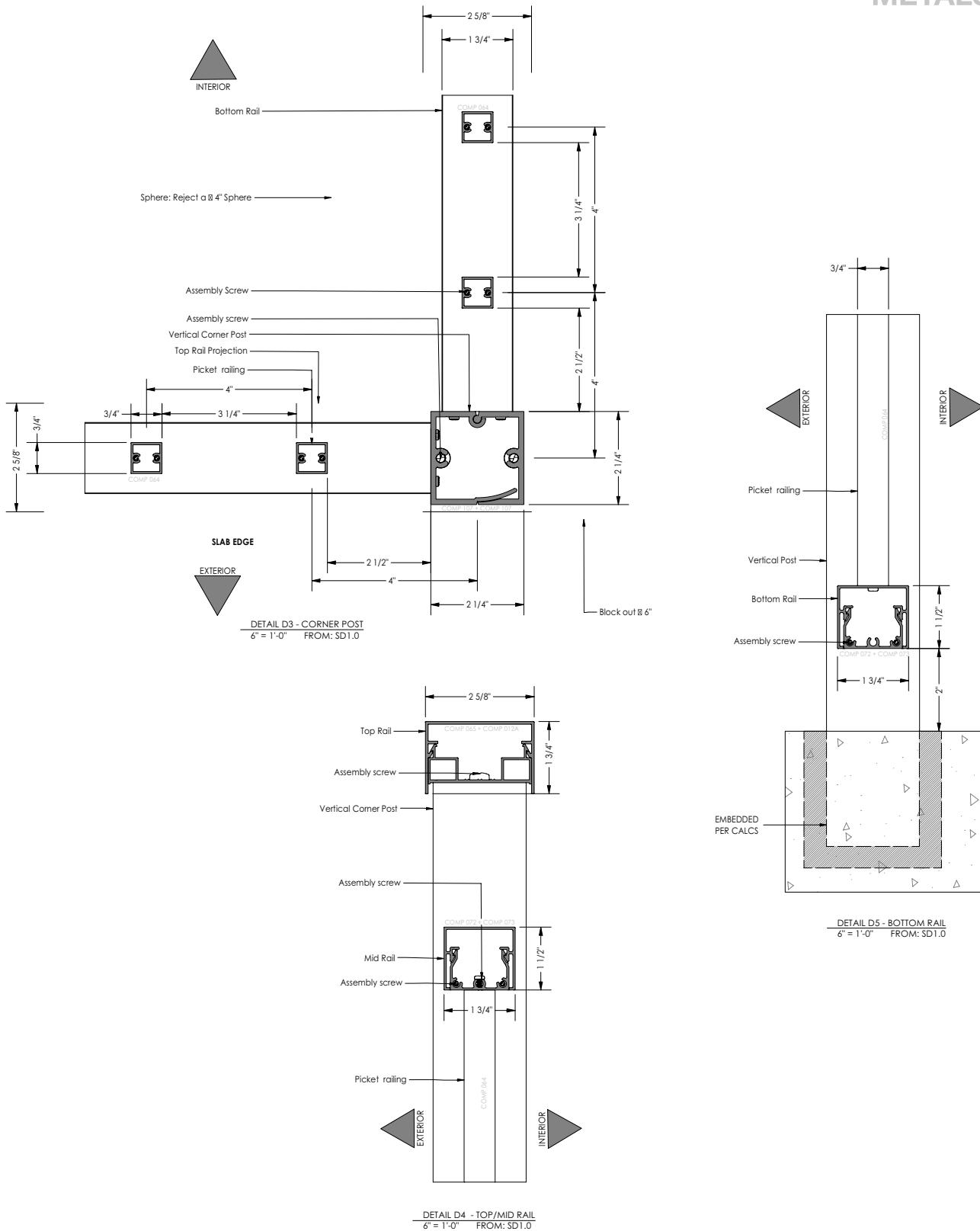|	
Picket profile options	31" Vertical circular profile (COMP-076) / 1-3/4" x 5/8" Vertical tubular profile (COMP-0254) / 2" x 1" Vertical tubular profile (COMP-016)
Cap profile options	4-1/16" COMP-012 / 2-5/8" COMP-067 / 3" COMP-075 / 3" COMP-111
Aluminum	ALLOY 6063-T6 – ALLOY 6063-T5 - ALLOY 6005-T5. For further information about aluminum and finishes, consult ES-METALS®.
Sizes	For further information, consult ES-METALS®.
Design load	For further information, consult ES-METALS®.
Tested & Certifications	For further information, consult ES-METALS®.

Details **& Configurations**
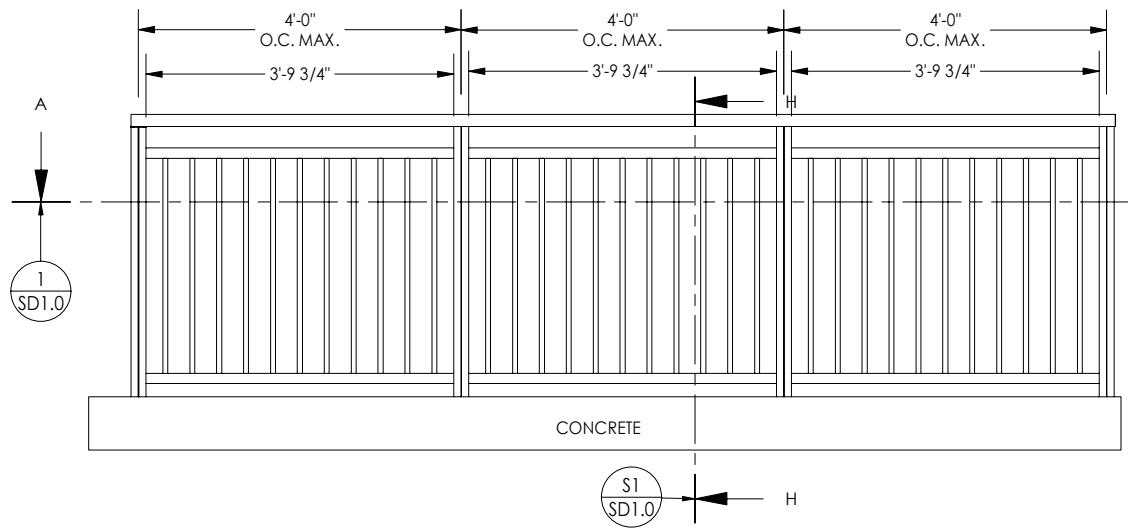
PARTIAL ELEVATION - VERTICAL PICKET RAILING
1/2" = 1'-0"

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

VERTICAL PICKET RAILING
Railing

ES
METALS

2 5/8"

1 3/4"

INTERIOR

Bottom Rail

COMP 064

Sphere: Reject a ⌀ 4" Sphere

3 1/4"

4"

Assembly Screw

Assembly screw

Vertical Corner Post

Top Rail Projection

Picket railing

2 1/2"

4"

3/4"

4"

3/4"

3 1/4"

2 5/8"

COMP 064

2 1/4"

4"

2 1/4"

SLAB EDGE

EXTERIOR

2 1/2"

4"

COMP 107 + COMP 107

Block out ⌀ 6"

2 1/4"

DETAIL D3 - CORNER POST
6" = 1'-0"   FROM: SD1.0

3/4"

EXTERIOR

INTERIOR

COMP 04

Picket railing

Vertical Post

Bottom Rail

Assembly screw

1 1/2"

1 3/4"

2"

COMP 072 + COMP 07

EMBEDDED
PER CALCS

DETAIL D5 - BOTTOM RAIL
6" = 1'-0"   FROM: SD1.0

2 5/8"

Top Rail

COMP 065 + COMP 012A

Assembly screw

1 3/4"

Vertical Corner Post

Assembly screw

COMP 072 + COMP 073

Mid Rail

Assembly screw

1 1/2"

1 3/4"

Picket railing

COMP 064

EXTERIOR

INTERIOR

DETAIL D4 - TOP/MID RAIL
6" = 1'-0"   FROM: SD1.0

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ES-RG

Door Railing

Description:

· Adaptable to different railing systems.
· Pre-assembled & glazed.
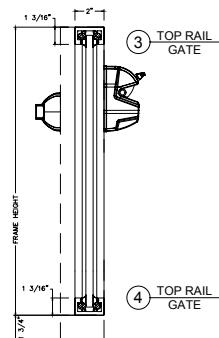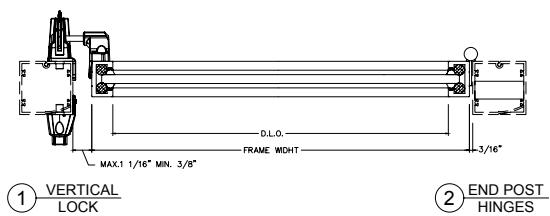· Locklatch & Mangalatch locking mechanisms available in black.
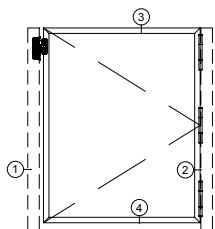· Aluminum hinges available in white, gray and bronze.
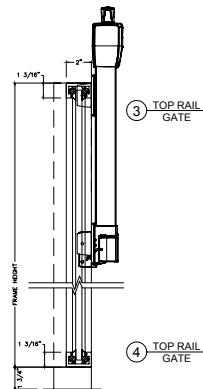
Performance & Highlights
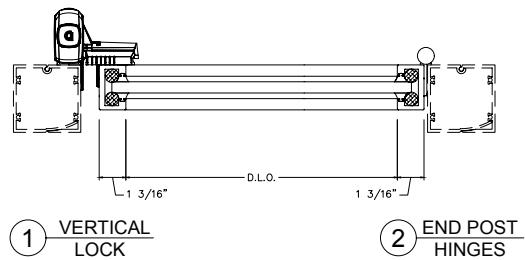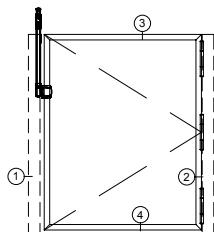
Glazing options	1/2" Glass	Monolithic Glass Outside Reglaze. 3/16" Temp + 0.035" SGP + 3/16" Temp.
Aluminum	2605 FINISH
Sizes	Maximum tested size: **Panel Width:** 40 5/16"	**Panel Height:** 57".
Compatibility	ES-RL3030	ES-RL3031	NB-320	NB-315	ES-RL3525	050M	ES-RL3520.

Details & Configurations

Locklatch

1 VERTICAL LOCK   2 END POST HINGES   3 TOP RAIL GATE   4 TOP RAIL GATE

Magnalatch

1 VERTICAL LOCK   2 END POST HINGES   3 TOP RAIL GATE   4 TOP RAIL GATE

This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.
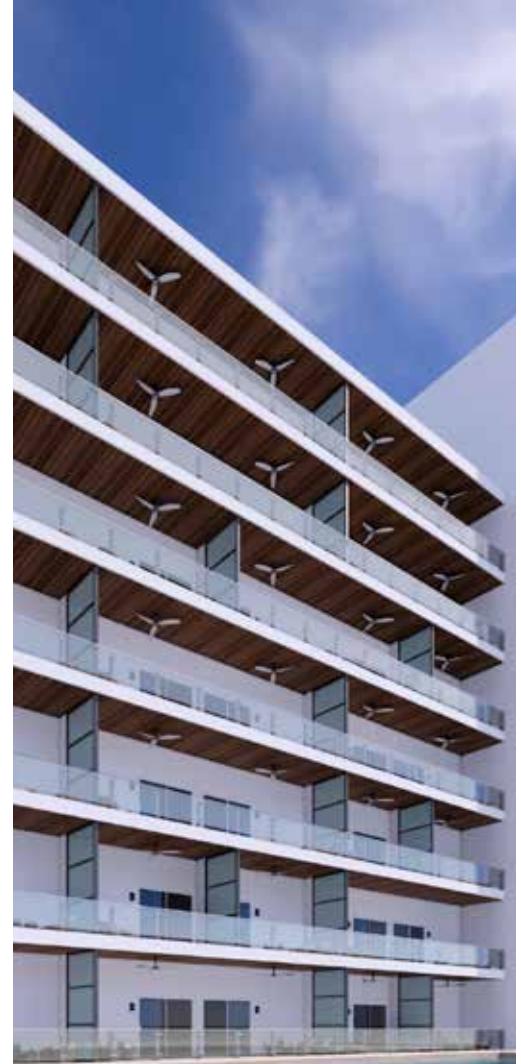
ES | **Balcony Dividers**

ES-9500
Balcony Dividers

Description:

· Pre-assembled & pre-glazed.
· Architectural shapes available.
· Integrated door adapter.
· Enhanced resistance to air and
waterin filtration.

Performance **& Highlights**

Glazing options	**Lam Glass** 1/4" Heat stren'd + 0.090" inter SGP + 1/4" Heat stren'd glass.
Aluminum	ALLOY 6063-T6 - ALLOY 6063-T5. For further information about aluminum and finishes, consult ALUTIONS®.
Sizes	Maximum size per unit: **Width:** 48"	**Height:** 120".
Sealant	Weatherproofing Silicone	Structural Silicone.
Design load	+120/-120 PSF.

Details **& Configurations**
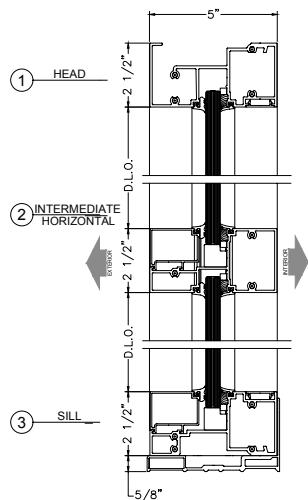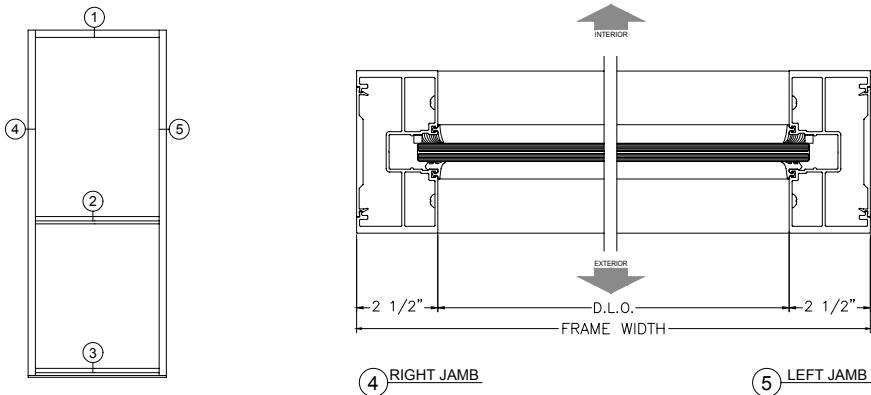
This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

ES-BD4050
Balcony Dividers

Description:

· Top and bottom rail.
· Continuous frame with multiple glass modules.
· Optional glass edge covers.

Performance & Highlights

Glazing options	**G1** 3/8" Temp. glass + 0.06" SGP + 3/8" Temp. glass. **G2** 1/2" Temp. glass + 0.09" SGP + 1/2" Temp. glass.
Aluminum	ALLOY 6063-T6 - ALLOY 6063-T5. For further information about aluminum and finishes, consult ALUTIONS®.
Sizes	**Width:** 255"	**Height:** 142"	**Module glass width:** 60".
Sealant	Weatherproofing Silicone	Structural Silicone.

Details & Configurations
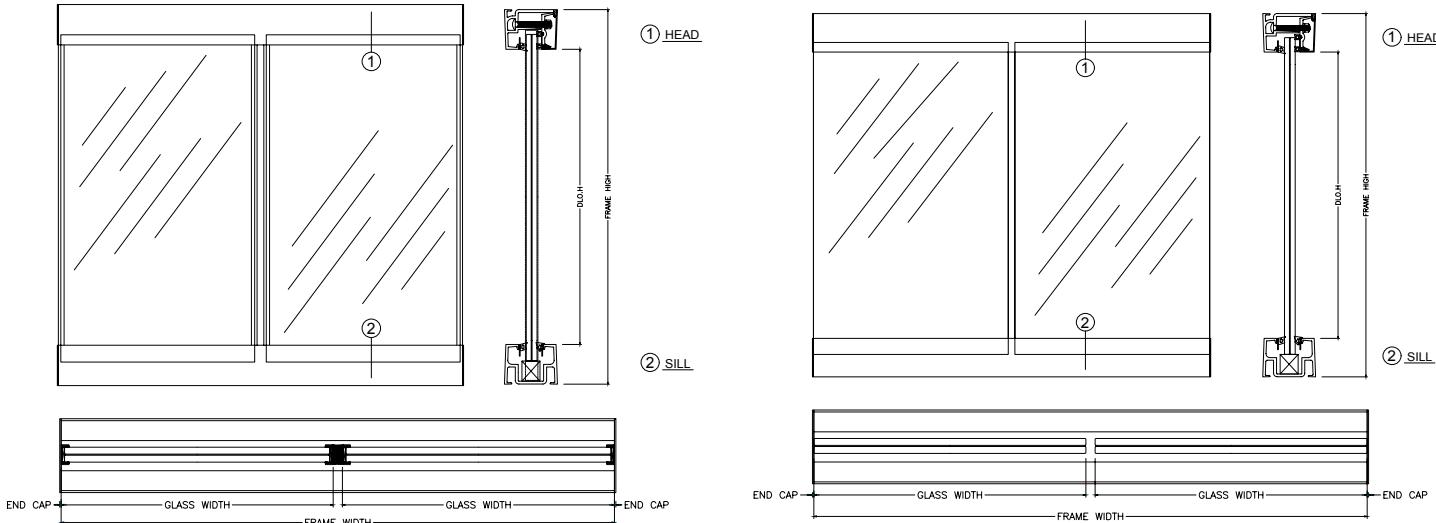
This data corresponds to the highest values obtained for some configurations. It can vary and may not apply to all.

Distribution:

ES is a fully integrated supplier strategically located on the northern end of South America on the Colombian Caribbean coast. Because we control the manufacturing process from beginning to end, we are able to offer a single-source warranty. We don't perform random quality control on our products—we inspect every single one of them.

Certifications:

Our Quality Control Program is proof of our constant commitment to surpass accepted quality standards. We are certified by the top companies in the industry to ensure that our products and services stay up to date and comply with the stringent rules and regulations of the industry.

ES

imagine
extraordinary