

RAMPART

a l u m i n u m a n d g l a s s r a m p

CONCEPTION - DESIGN - CUSTOM MANUFACTURING- INSTALLATION

www.ramp-art.ca

Creation Jan 24 - revision feb 24





HISTORY

Thanks to its committed team, Ramp-Art has acquired over the years a solid reputation for quality and service in the manufacturing of aluminum and glass railings, both in the commercial and institutional construction sectors. Since 1987, Ramp-Art has offered its customers evolving and innovative products, meeting the highest standards of quality and safety.

OUR VISION

We want to leave a mark on the architecture of major North American cities, by investing all our know-how to combine safety with beauty.

We are the leader in the design, manufacturing and installation of aluminum and glass railings and our creativity travels ever further, beyond borders.

OUR MISSION

Ensuring people's safety is a mission of primary importance for our entire team. From design to manufacturing, then installation, each of our actions aims to meet the highest industry standards.

We are dedicated to creating aesthetic and innovative solutions, without compromising on safety. Our clients are partners and we help them realize their dream projects with tailor-made products, in order to realize their innovative ambitions.

OUR VALUES

Our values are the foundation of our success. They guide our actions on a daily basis, in our team and with our partners. We focus on: **Authenticity, collaboration, agility, well-being, and respect**

For architects, we tailor-make their innovative concepts while respecting the standards in force in their region, at a reasonable cost.

RAMP-ART LINE OF PRODUCTS

ALUMINUM GUARDRAIL

BELLEVUE MODELS (GLASS) _____ SECTION A

This guardrail is made with high density aluminum alloy profiles.

Tempered or laminated glass is available in several shades: clear, bronze, gray, blue, etc.

ON SLAB - ABUTMENT UNDER HANDRAIL _____	A-08
ON SLAB WITH BAND - ABUTMENT UNDER HANDRAIL _____	A-13
SLAB FRONT - WITH 50mm AND 100mm (2in AND 4in) GLASS CLAMPS _____	A-21
OPENWORK SLAB FRONT, FIXED ON STEEL PROFILE _____	A-31
OPENWORK SLAB FRONT - (GLASS ON SLAB) _____	A-40
SLAB FRONT BAND (CURVED) _____	A-47
SLAB FRONT - SLAB TO SLAB (COLONNADE) _____	A-52
SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL _____	A-57
TERRACE ON PEDESTALS _____	A-66
JULIETTE _____	A-72

SPIDER HYBRID MODELS (MECHANICAL AND STRUCTURAL) _____SECTION B

ON SLAB _____ B-77

SLAB FRONT _____ B-82

CLASSIC MODELS (WITH BARS) _____SECTION C

This guardrail is made with high density aluminum alloy profiles and aluminum bars that meet the standards of your region.

ON SLAB - ABUTMENT UNDER HANDRAIL _____ C-87

SLAB FRONT - ABUTMENT UNDER HANDRAIL _____ C-92

BLADE SYSTEM MODELS _____SECTION D

ON SLAB - ABUTMENT UNDER HANDRAIL _____ D-97

SLAB FRONT - CURVED _____ D-100

DECORATIVE SLAB COVER PANELS MODEL _____SECTION E

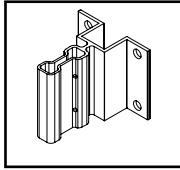
ON SLAB FIXED AT 150MM AND DECORATIVE SLAB COVER PANELS _____ E-107

DOUBLE FILLING MODELS _____SECTION F

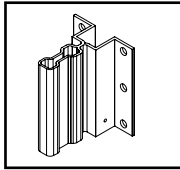
SLAB FRONT - WITH GLASS AND ALUMINUM PANELS _____ F-112

MAIN TYPES OF FIXINGS (SA) OF ADAPTED GUARDRAILS IN CONTEXT.

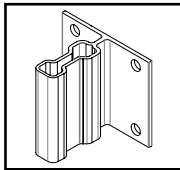
1. SA-060



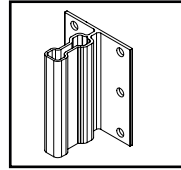
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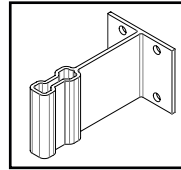
3. SA-063



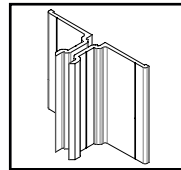
4. SA-064



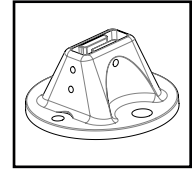
5. SA-065



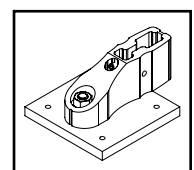
6. SA-087



7. SA-298



8. SA-438



ALUMINUM SEPARATOR OR PRIVACY SCREENS _____ SECTION G

BELLEVUE STD model (TEMPERED GLASS): EDGE TECH / SCREEN PRINT / PINE HEAD _____ G-117

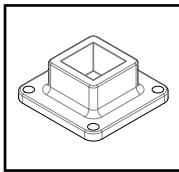
BELLEVUE model (HIGH CAPACITY): EDGE TECH / SCREEN PRINT / PINE HEAD _____ G-122

SLAB-TO-SLAB model _____ G-127

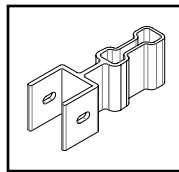
STRUCTURAL SCREEN model _____ G-131

MAIN TYPES OF FASTENERS (SA) ADAPTED TO THE CONTEXT (see drawings)

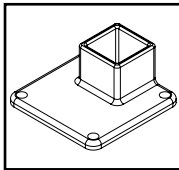
SA-230



FP-038



SA-910



CUSTOM DEVELOPMENT

Specially designed to meet your creative ideas. Whether you are looking for unique solutions for interior design or exterior, our catalog is full of daring ideas to bring your projects to life. High quality materials, impeccable finishes and cutting-edge designs make our products perfect choices for visionary architects like you.

From design to completion, our team of experts is there for you support you at every stage of your project. We are ready to take on the most complex challenges and transform your ideas into tangible reality. Do not hesitate to browse our catalog and discover our latest creations. There you will find a selection of products that push the limits of design and functionality, thus offering unique and tailor-made for your customers

We look forward to collaborating with you and contributing to the realization of your most ambitious projects. Contact us today to discuss your specific needs and to obtain complementary information on our products.

At Ramp-Art we understand the importance of innovation and customization in your area. This is why we developed a line of products that combine functionality, aesthetics and originality.

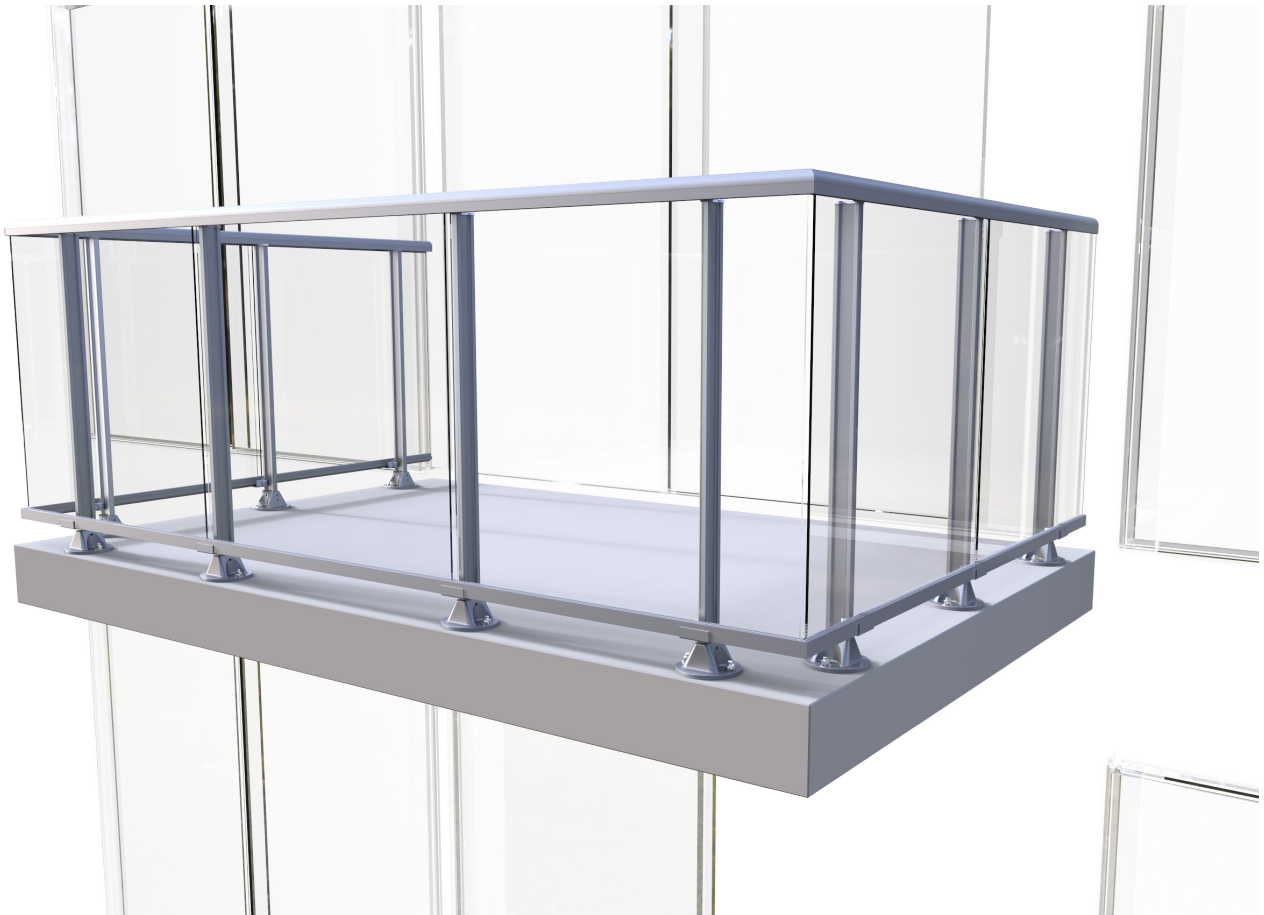
Yours faithfully

Ramp-Art Team

BELLEVUE MODEL

ON SLAB

ABUTMENT UNDER HANDRAIL



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL - ON SLAB -
ABUTMENT UNDER HANDRAIL

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-298 shoe.

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at length , up to a maximum of 2.9m long: PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

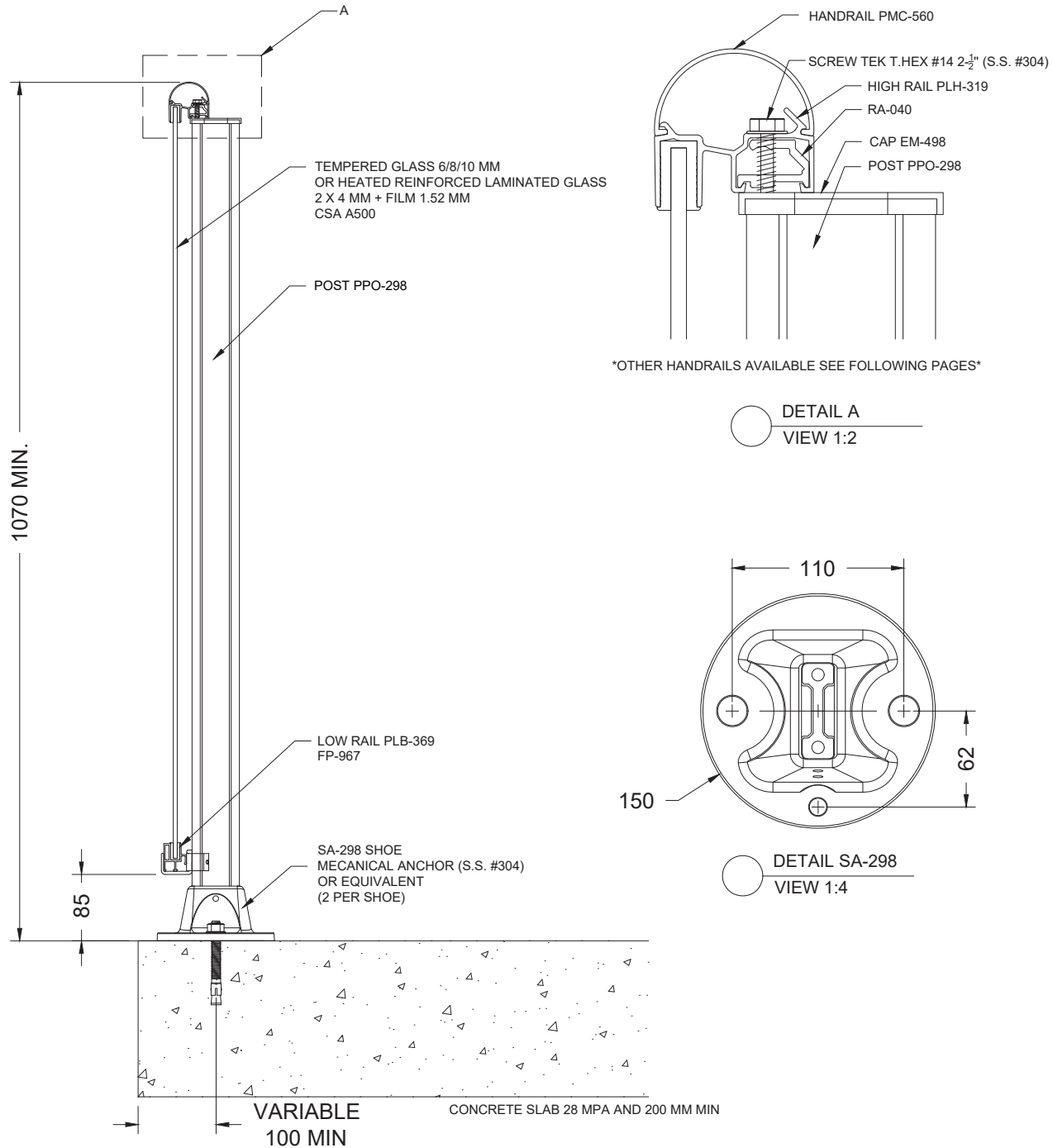
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

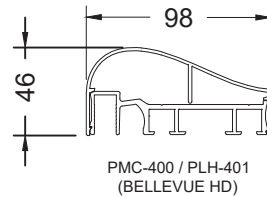
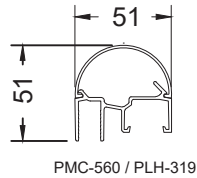
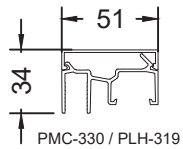
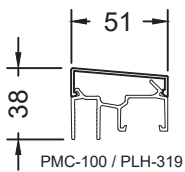
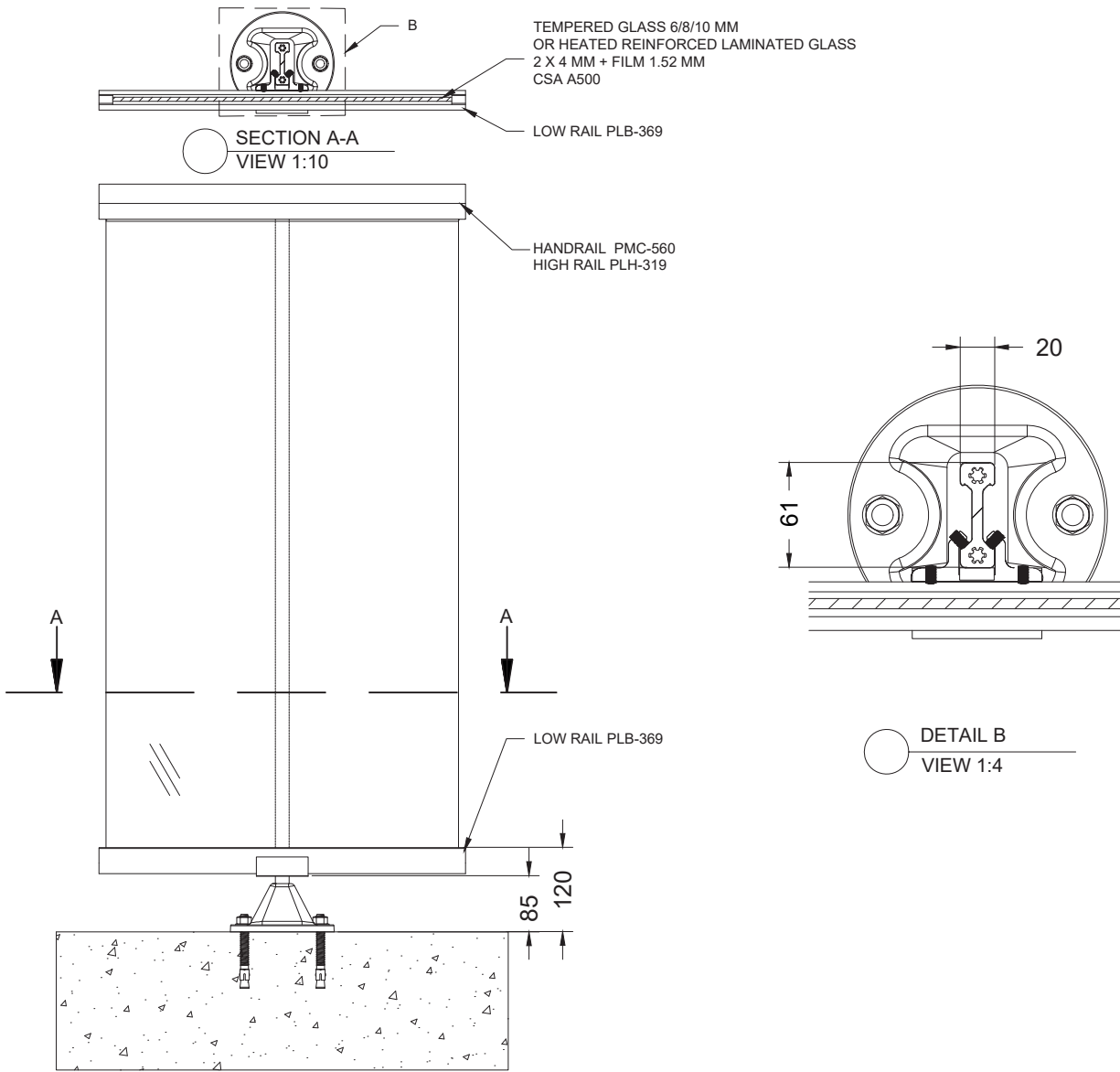
Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



Scale : 1:8

BELLEVUE MODEL - ON SLAB - ABUTMENT UNDER HANDRAIL



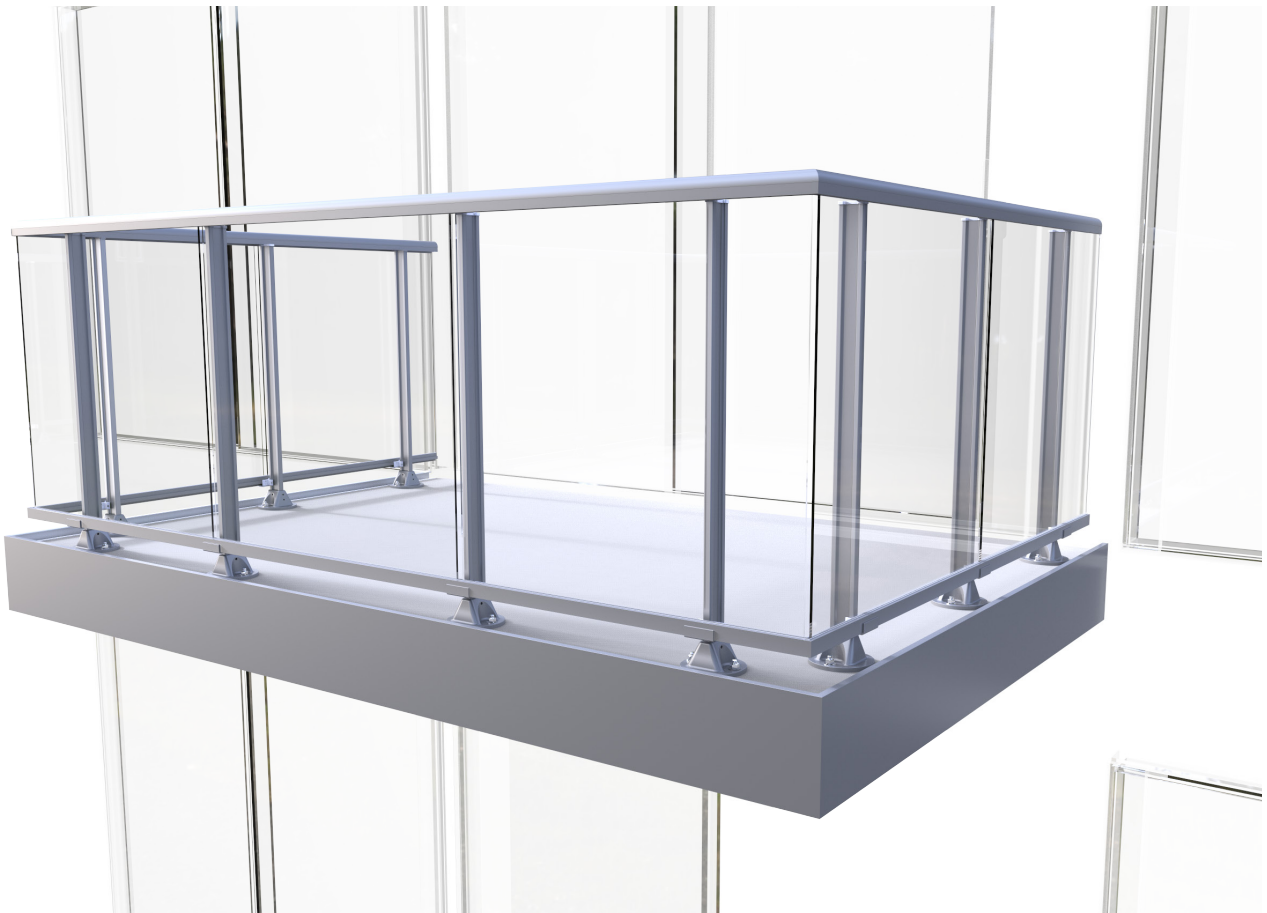
CHOICE OF HANDRAIL

Scale : 1:10

BELLEVUE MODEL - ON SLAB - ABUTMENT UNDER HANDRAIL

BELLEVUE MODEL

ON SLAB WITH ABUTMENT BAND UNDER HANDRAIL



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL ON SLAB WITH BAND ABUDMENT UNDER HANDRAIL

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-298 shoe.

Choice of band are: PBA-017, PBA-256, or PBA-330

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum 2.9m long: PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

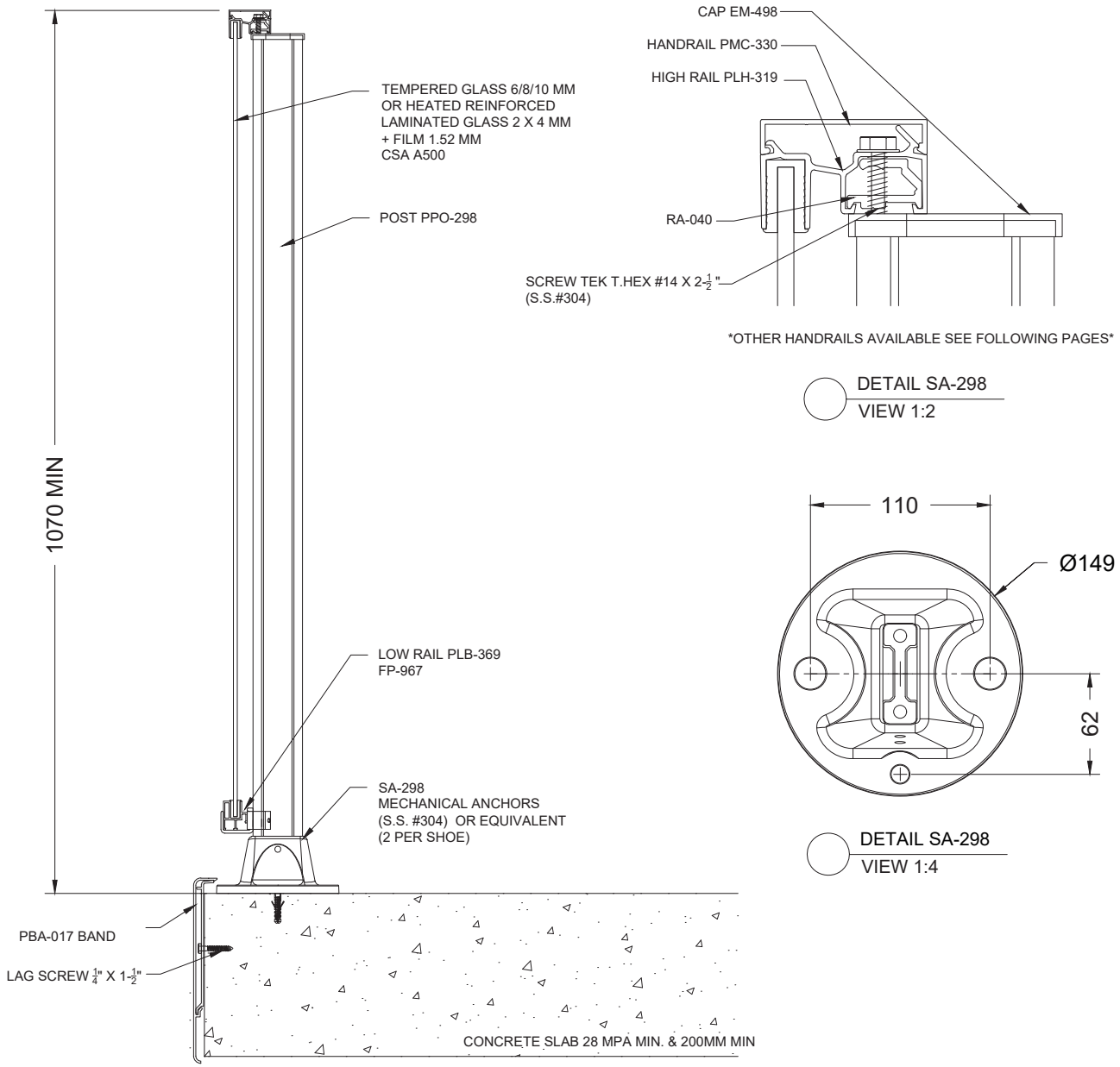
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

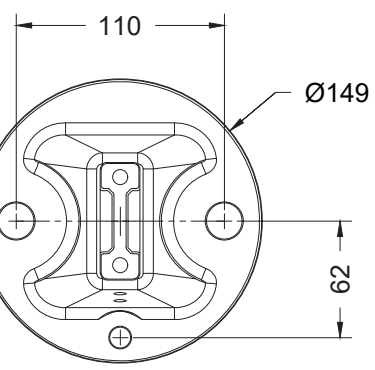
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The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



OTHER HANDRAILS AVAILABLE SEE FOLLOWING PAGES

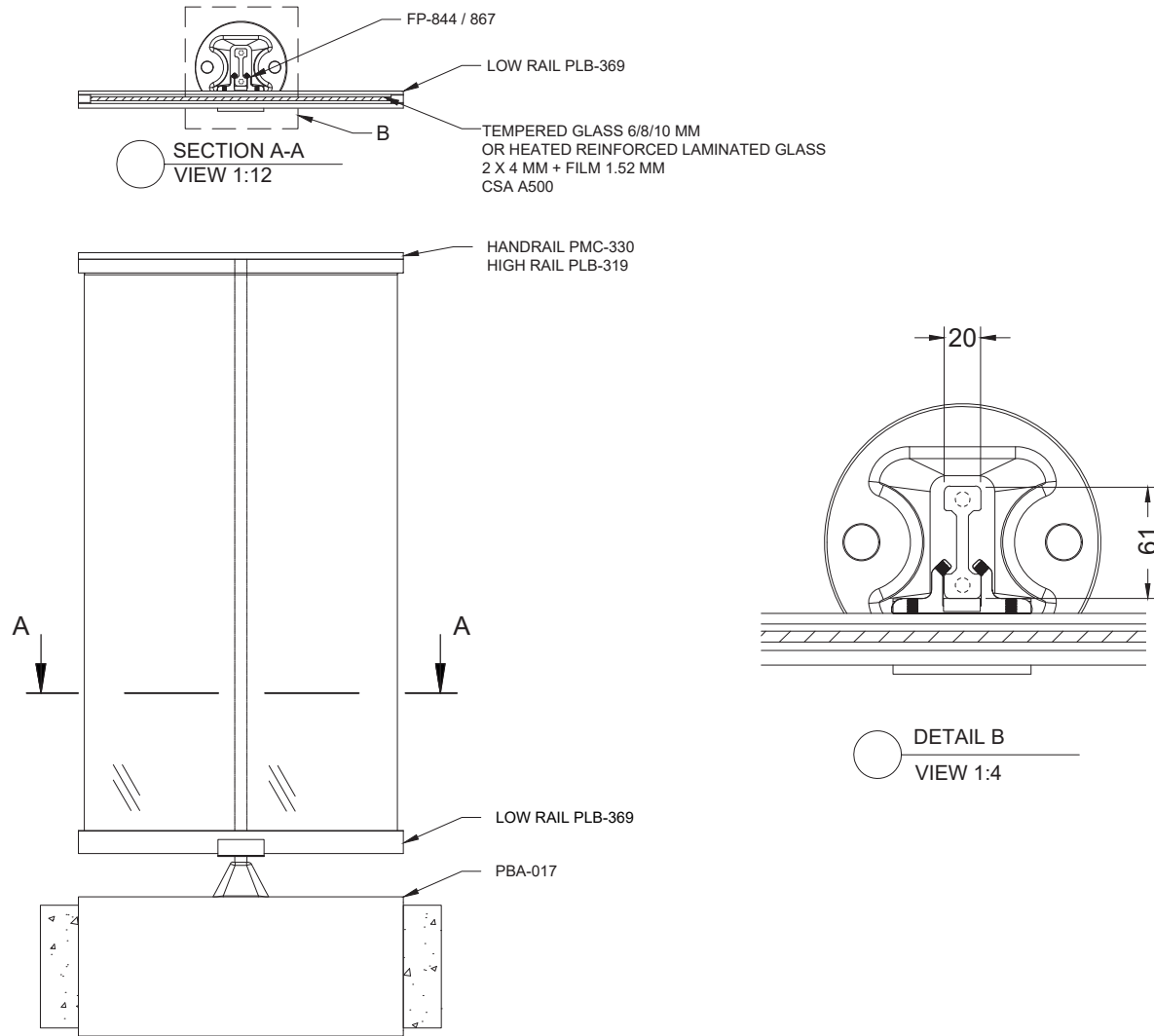
○ DETAIL SA-298
VIEW 1:2



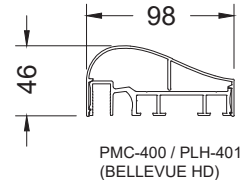
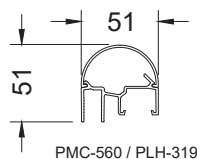
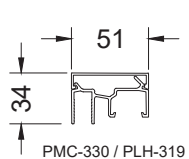
○ DETAIL SA-298
VIEW 1:4

BELLEVUE MODEL - ON SLAB WITH BAND - ABUTMENT UNDER HANDRAIL

Scale : 1:8



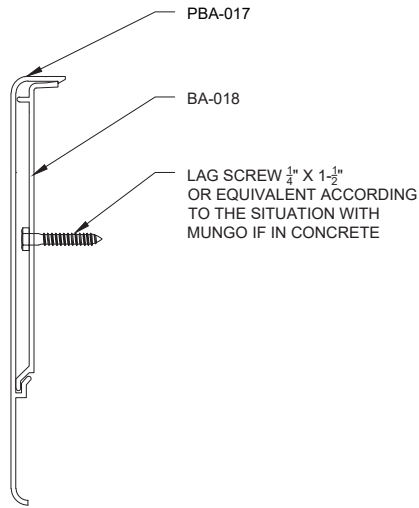
SECTION A



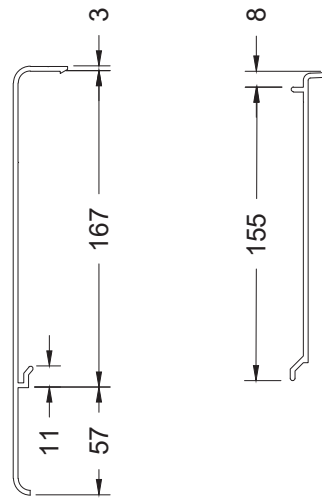
CHOICE OF HANDRAILS

Scale : 1:12

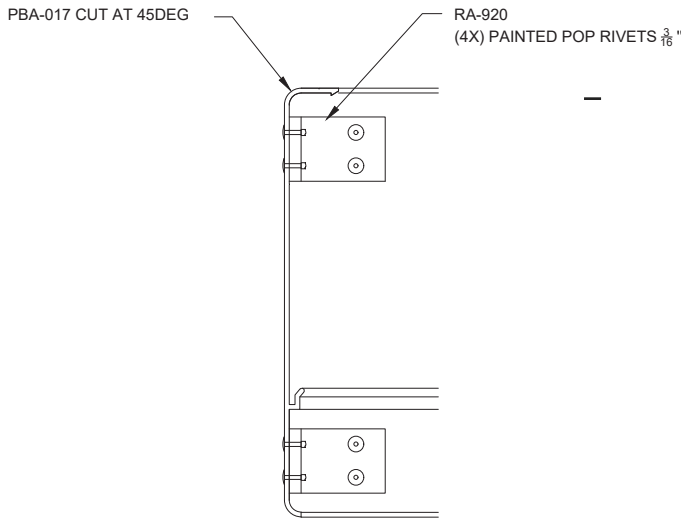
BELLEVUE MODEL - ON SLAB WITH BAND - ABUTMENT UNDER HANDRAIL



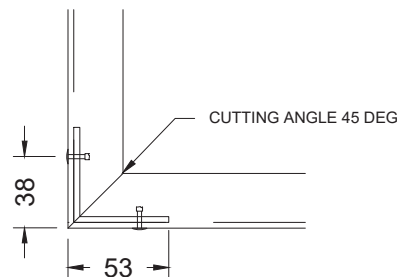
○ DETAIL PBA-017
VIEW 1:4



○ DETAIL PBA-017 SEPARATE PARTS
VIEW 1:4



○ DETAIL PBA-017 CORNER CUT AT 45 DEG
VIEW 1:4

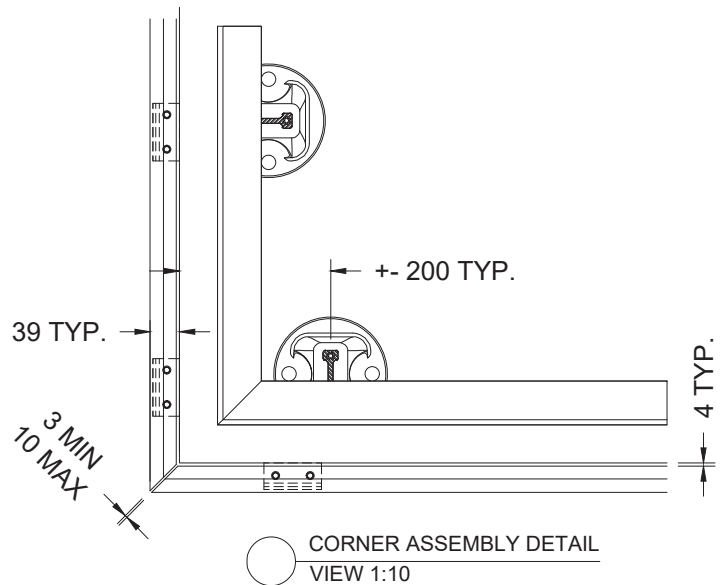
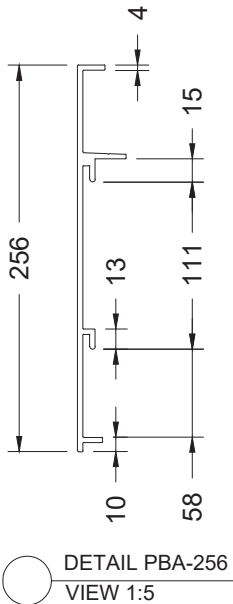
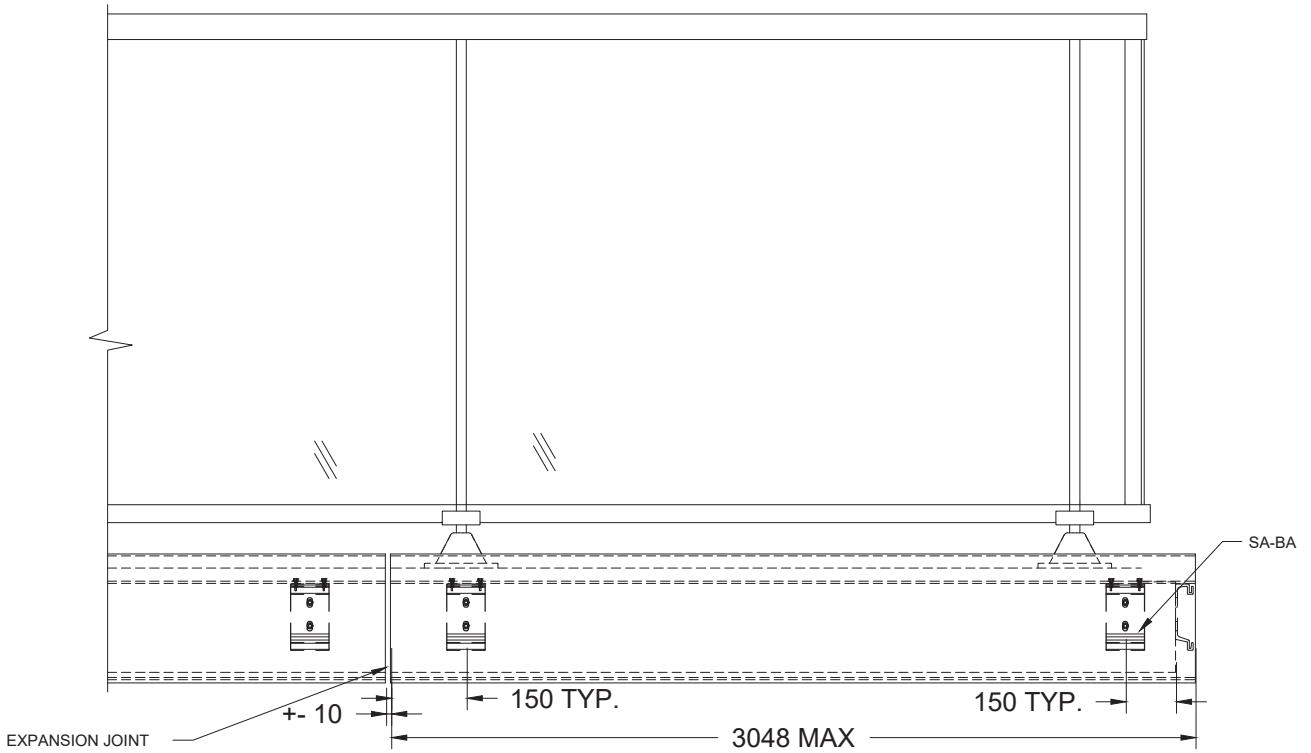


○ DETAIL PBA-017 CORNER CUT AT 45 DEG
VUE 1:4

PBA-017 BAND OPTION

BELLEVUE MODEL - ON SLAB WITH BAND - ABUTMENT UNDER HANDRAIL

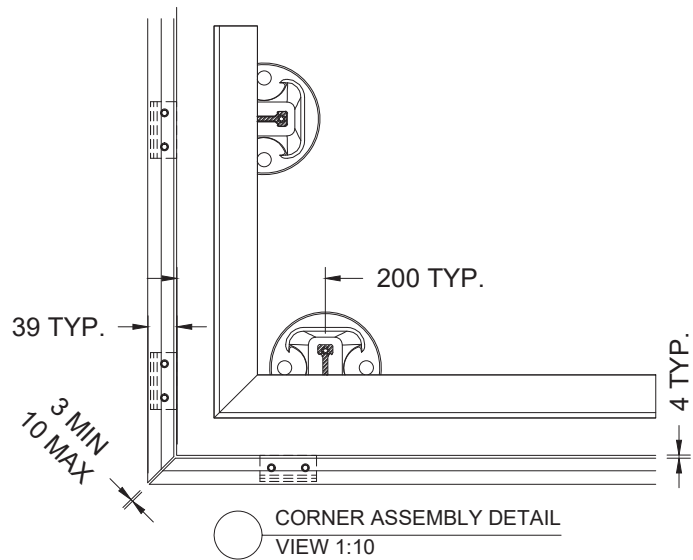
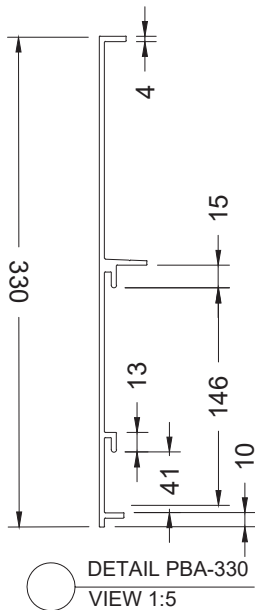
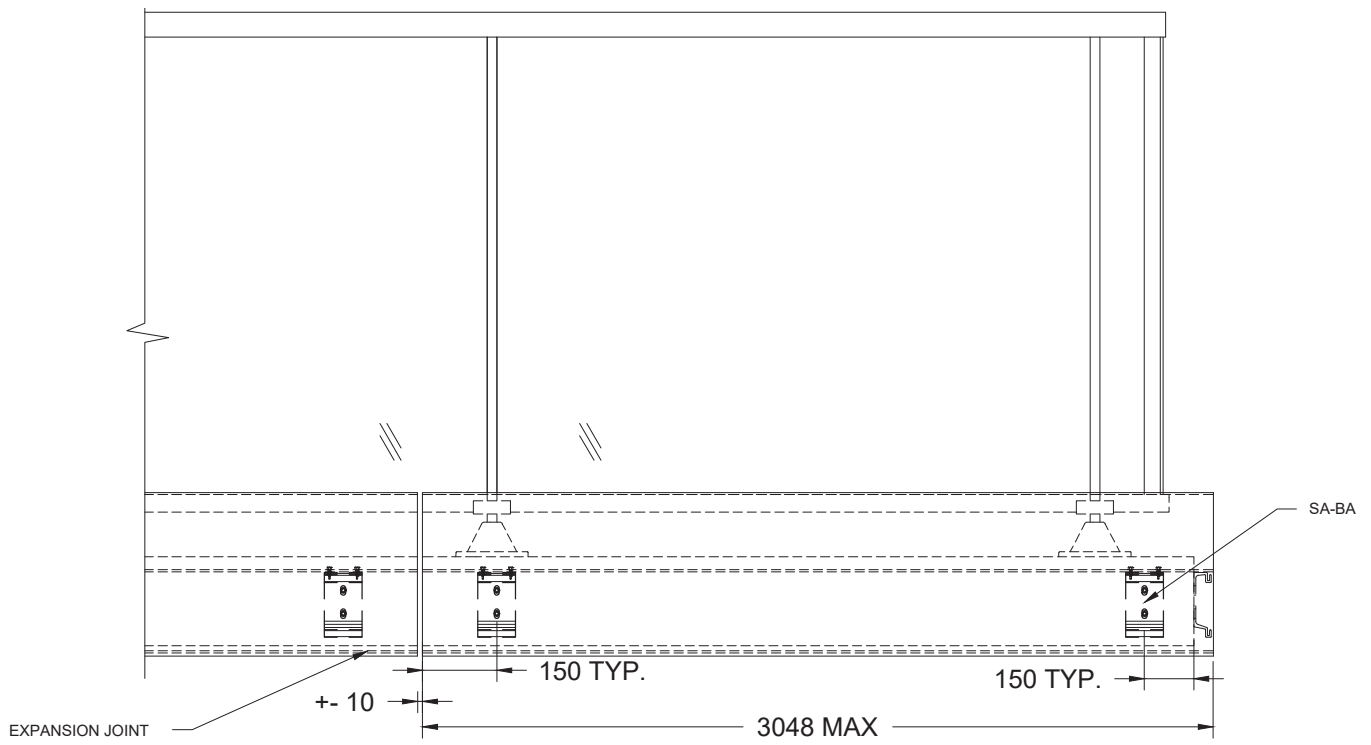
Scale : 1:4



PBA-256 BAND OPTION

Scale : 1:15

BELLEVUE MODEL - ON SLAB WITH BAND - ABUTMENT UNDER HANDRAIL



PBA-330 BAND OPTION

BELLEVUE MODEL - ON SLAB WITH BAND - ABUTMENT UNDER HANDRAIL

Scale : 1:15

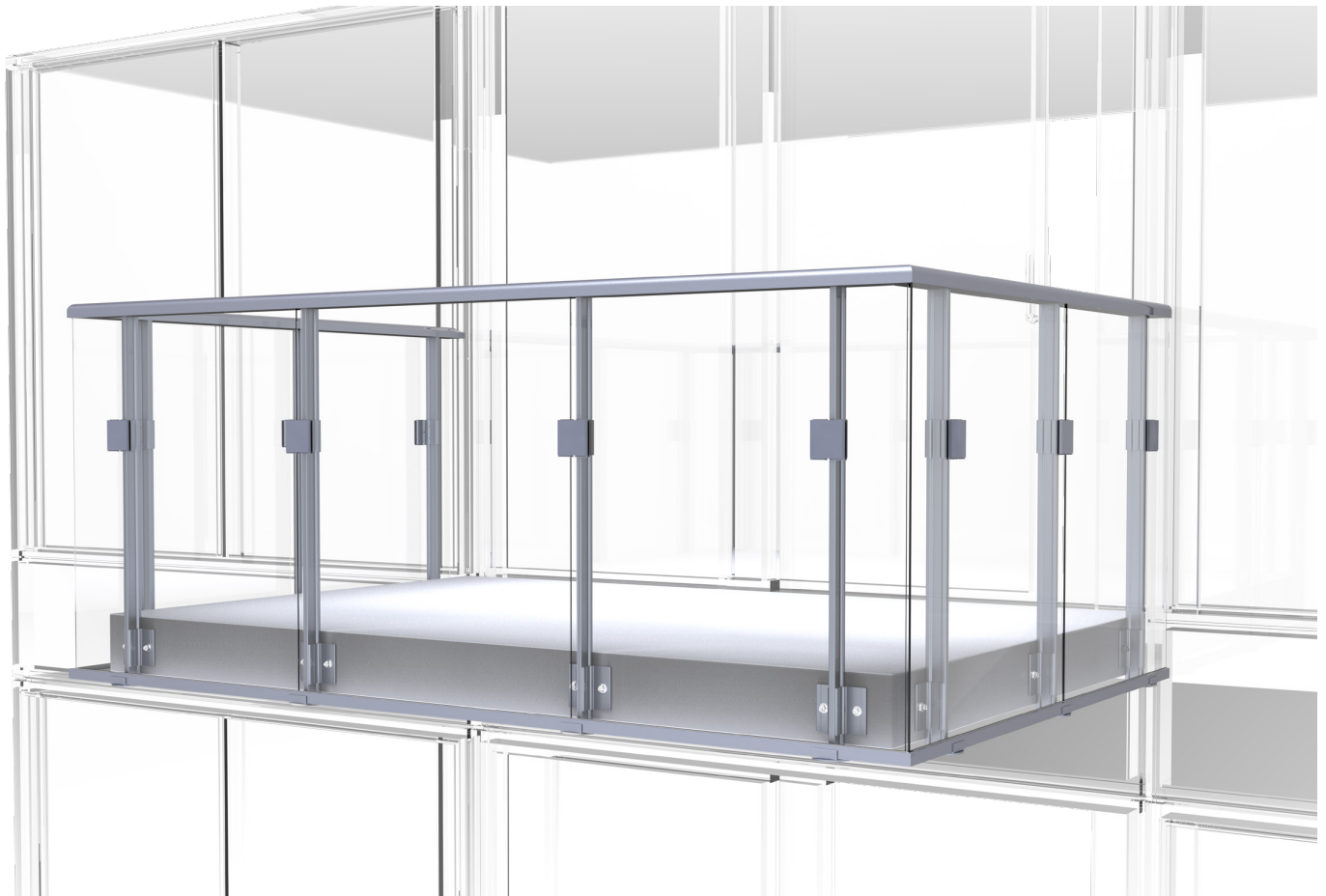
BELLEVUE MODEL

SLABFRONT WITH 50mm (2') GLASS CLAMPS

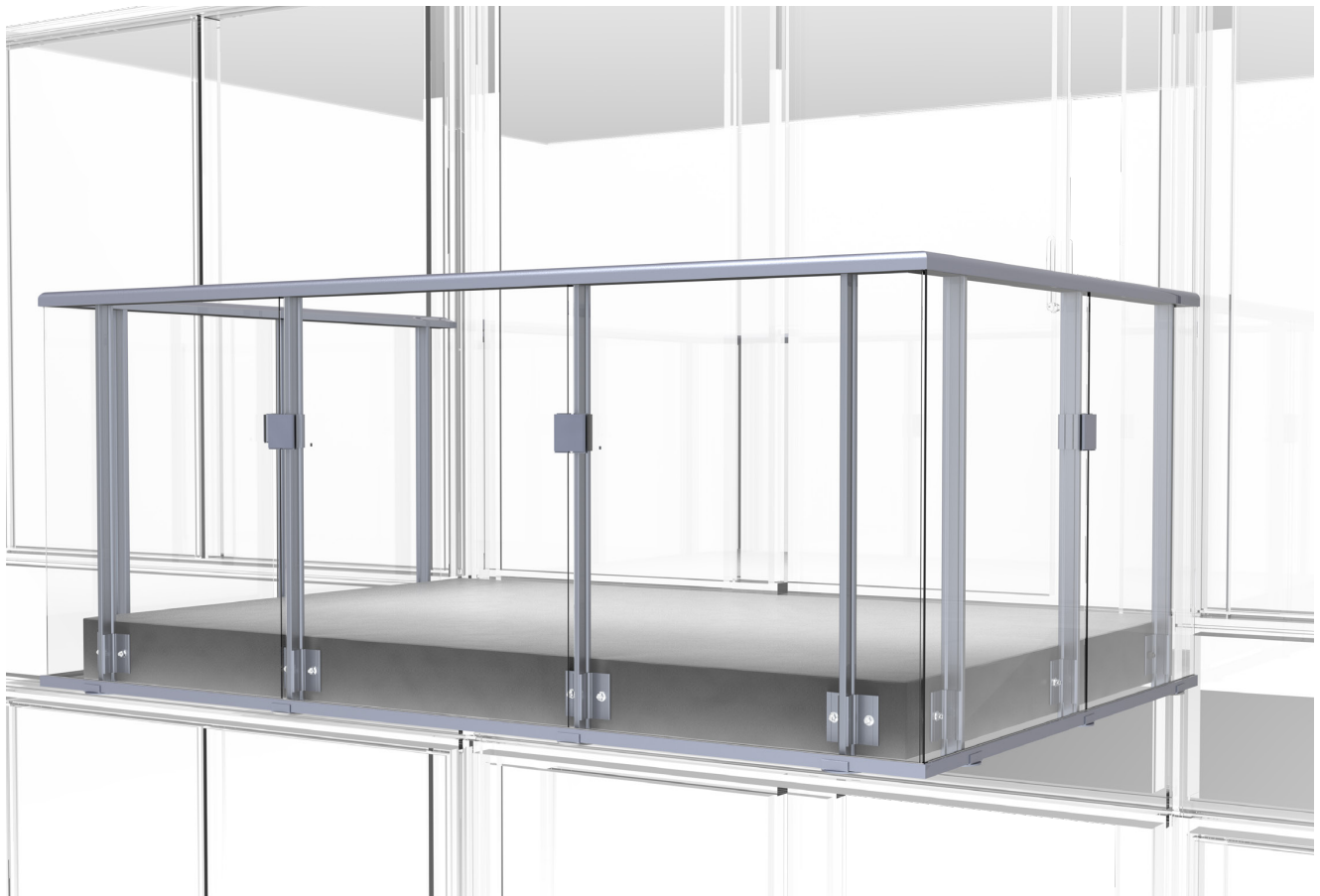


BELLEVUE MODEL

SLAB FRONT
WITH 100mm (4') GLASS CLAMPS
(CSA A-500 CERTIFIED)



BELLEVUE MODEL
SLABFRONT
WITH 100mm (4") GLASS CLAMPS
(OBC-13 CERTIFIED)



DESCRIPTION

**GUARDRAIL: BELLEVUE MODEL - SLAB FRONT -
WITH 50mm or 100mm (2" OR 4") GLASS CLAMPS**

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy. The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-087 shoe, allowing a perfect fit for each post. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 - PMC-330 – PMC-560 – PMC-400. The glass clamps, connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

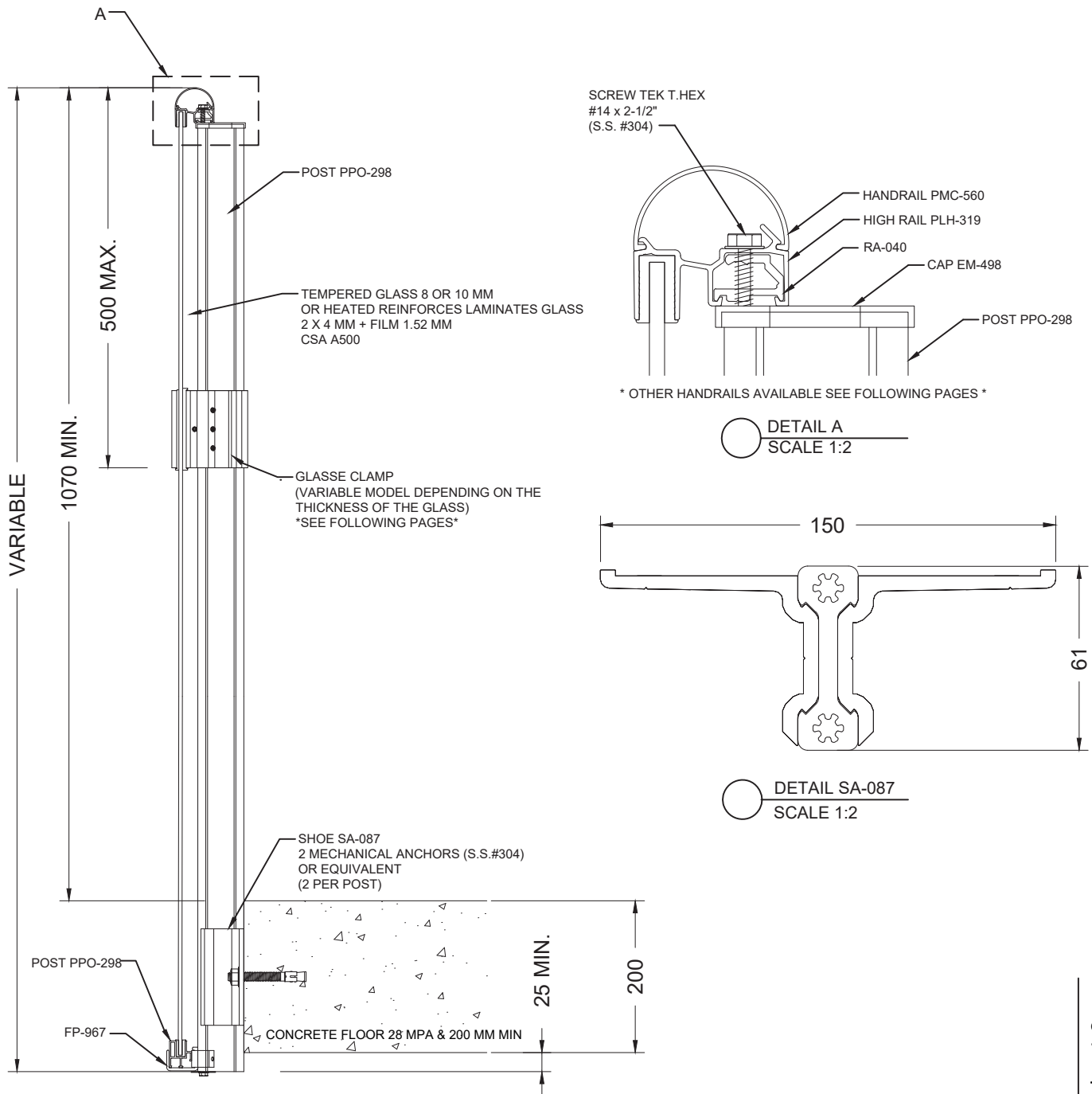
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

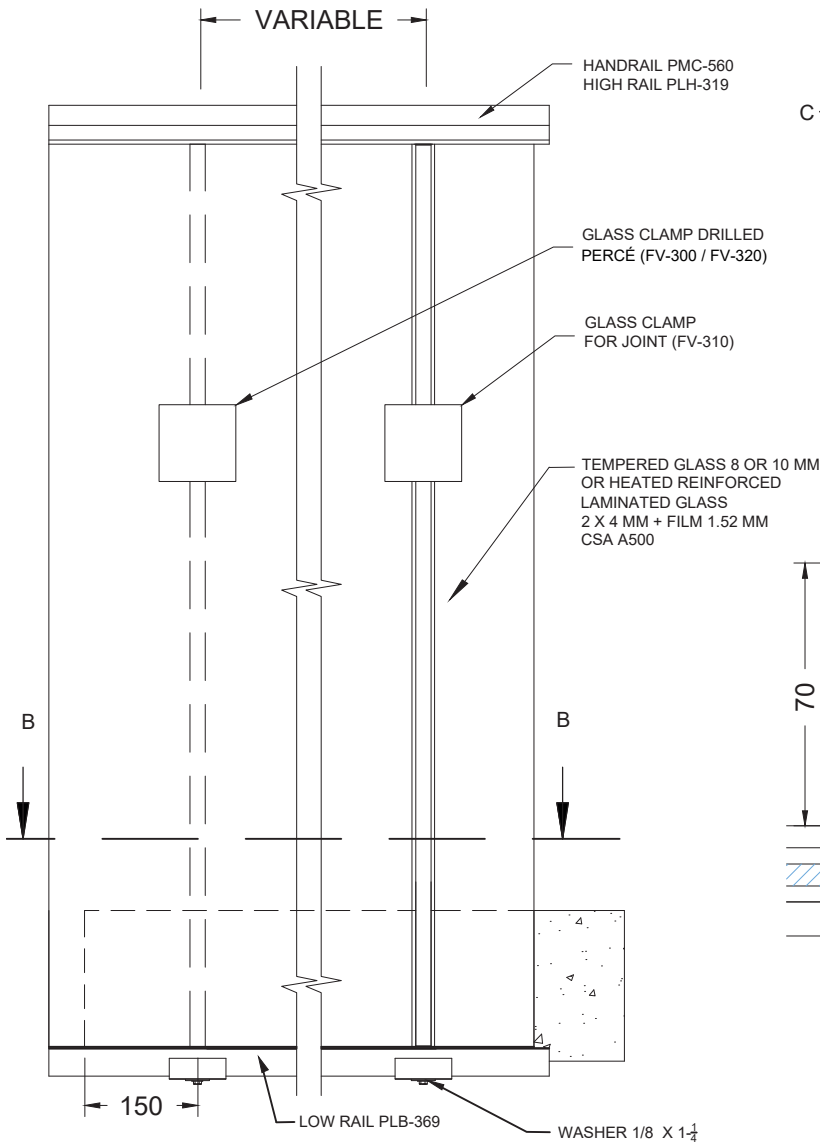
4. APPROVALS

Shop drawings will be submitted for approval by engineers.

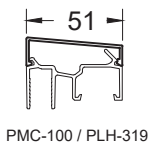
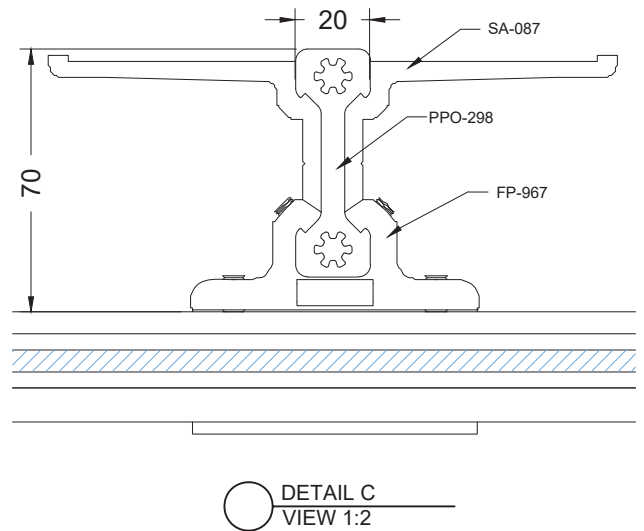
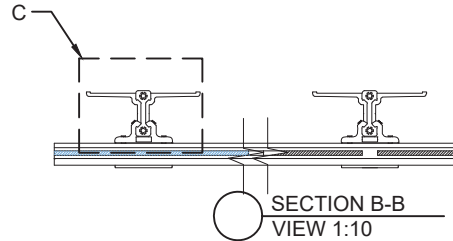
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



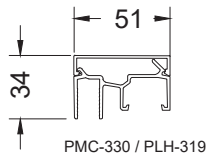
BELLEVUE MODEL - SLAB FRONT - WITH 50 mm AND 100mm (2in AND 4 in) GLASS CLAMPS



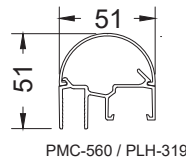
MESURES AT THE CORNER OF THE SLAB



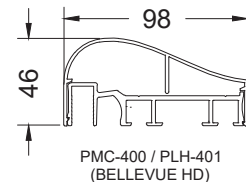
PMC-100 / PLH-319



PMC-330 / PLH-319



PMC-560 / PLH-319

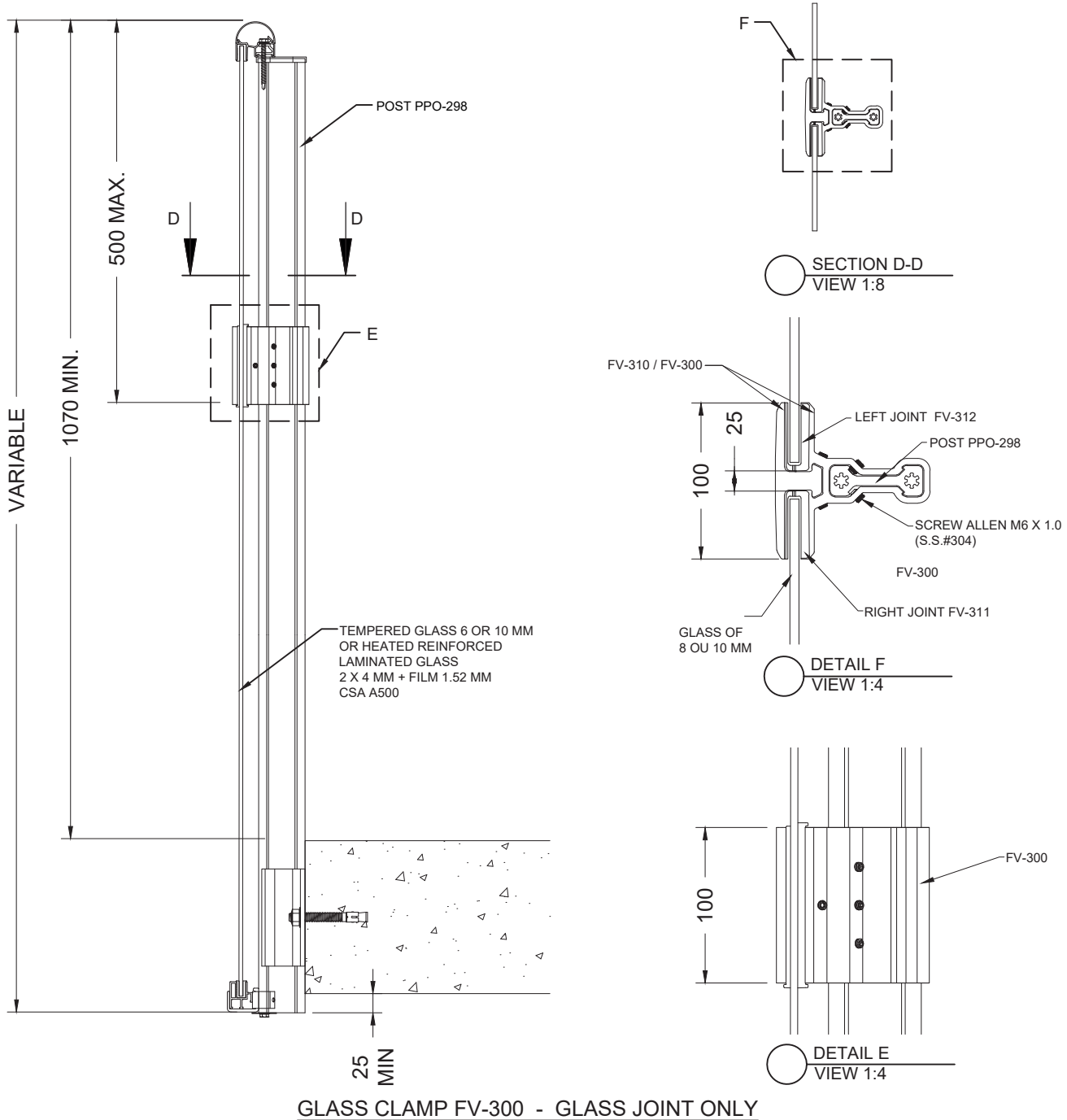


PMC-400 / PLH-401 (BELLEVUE HD)

CHOICE OF HANDRAILS

Scale : 1:10

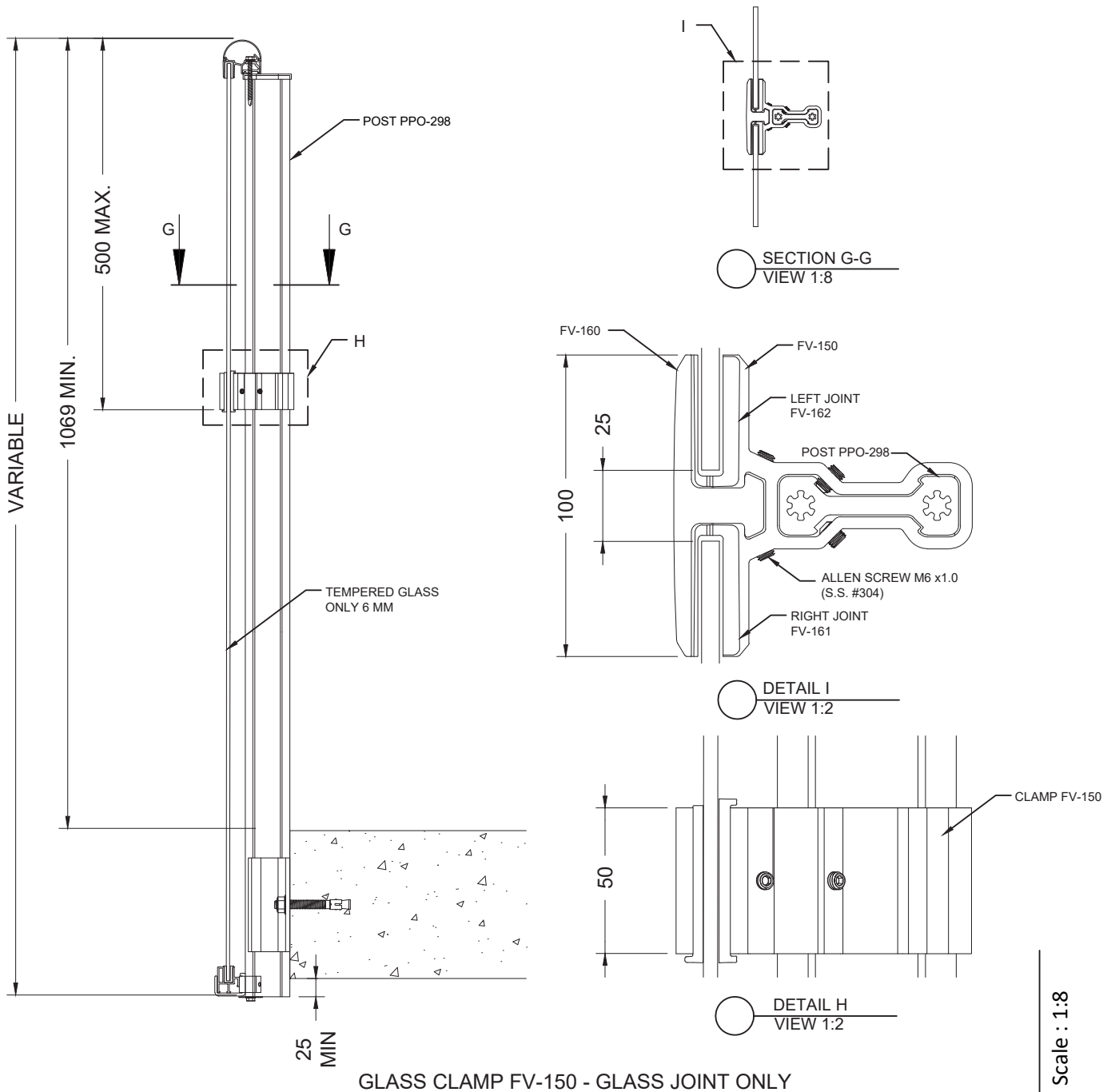
BELLEVUE MODEL - SLAB FRONT - WITH 50 mm AND 100mm (2in AND 4 in) GLASS CLAMPS



SECTION A

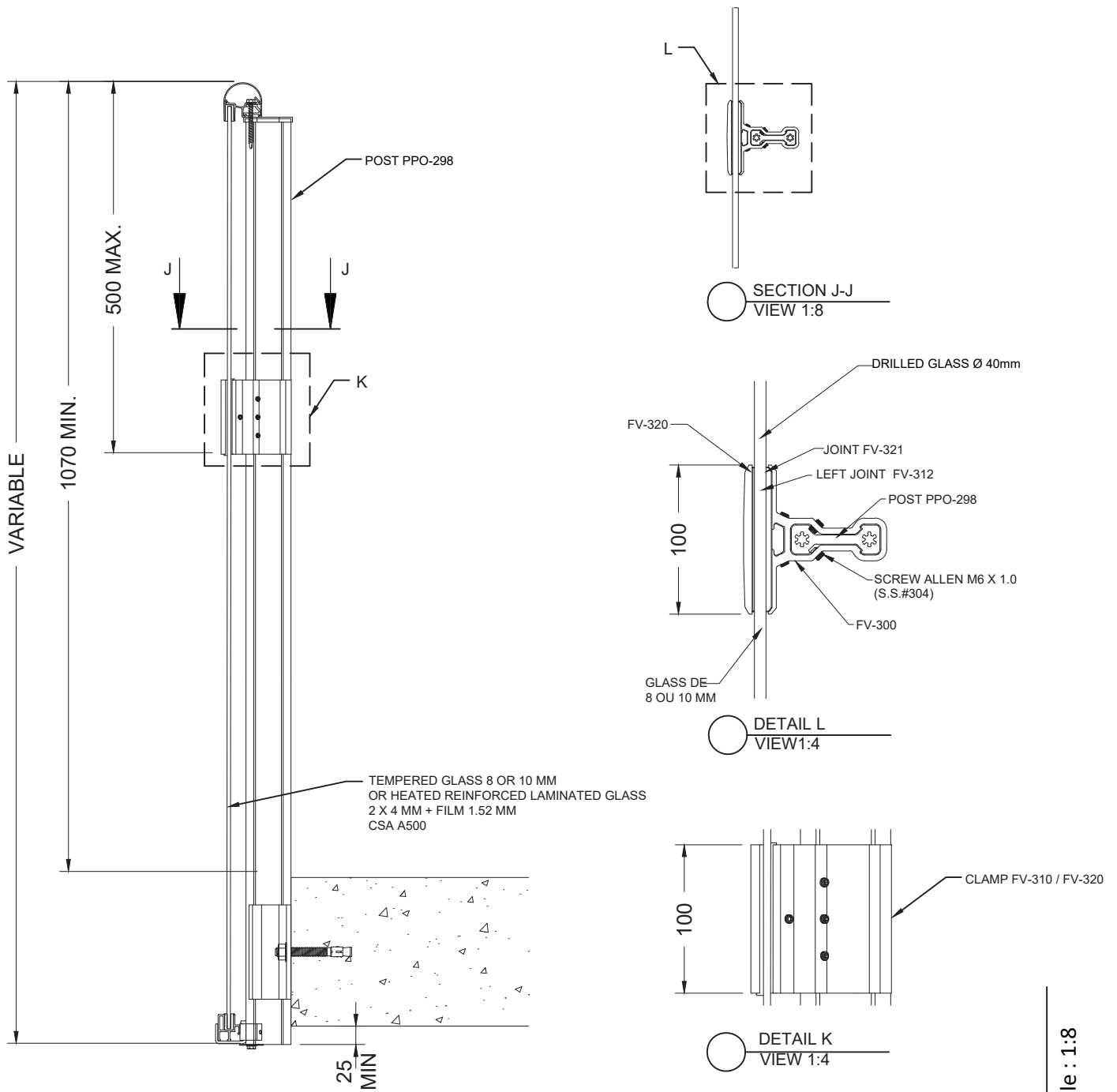
Scale : 1:8

BELLEVUE MODEL - SLAB FRONT - WITH 50 mm AND 100mm (2in AND 4 in) GLASS CLAMPS



Scale : 1:8

BELLEVUE MODEL - SLAB FRONT - WITH 50 mm AND 100mm (2in AND 4 in) GLASS CLAMPS



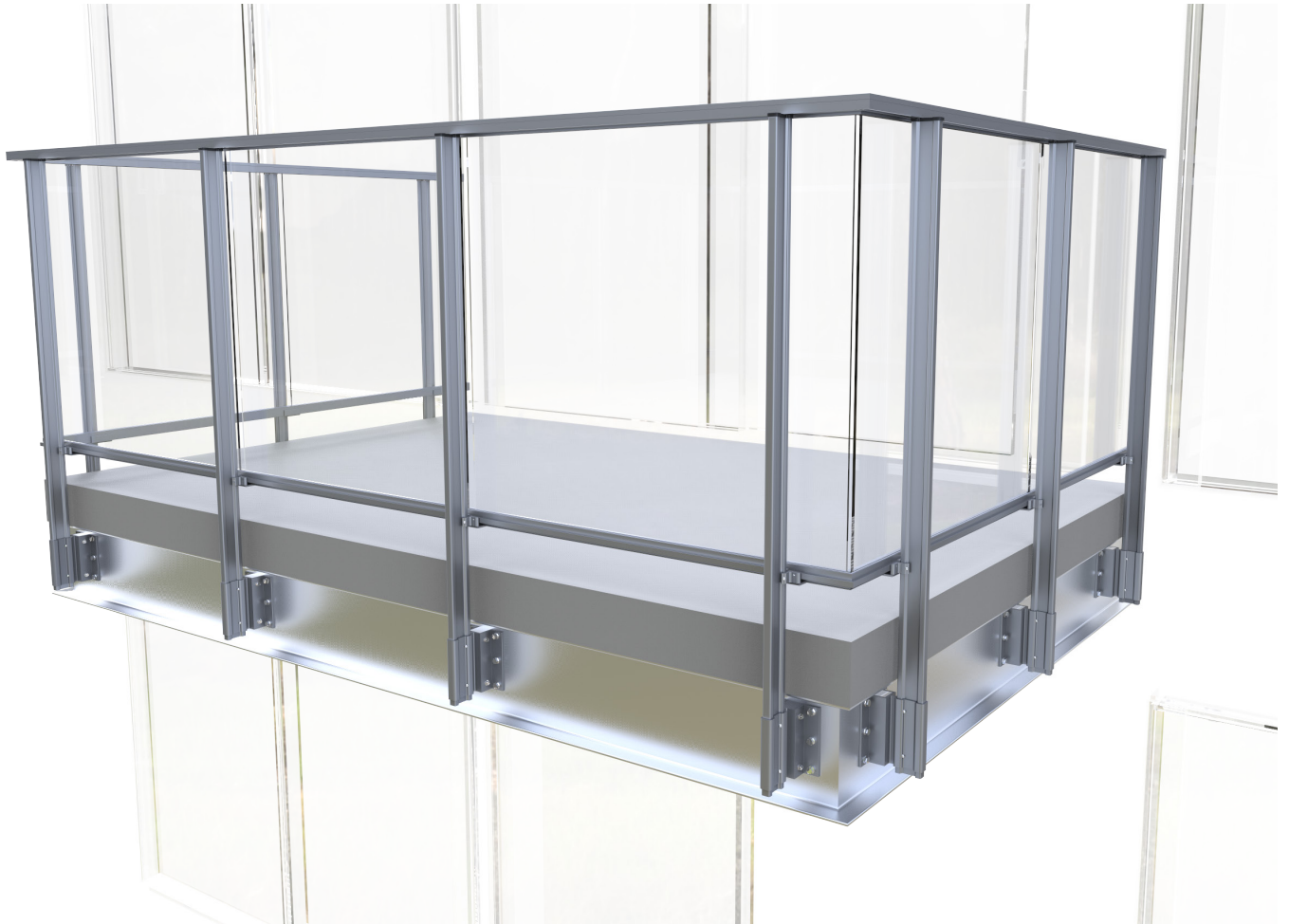
DRILLED GLASS CLAMP- REQUIRED FOR CSA A500

Scale : 1:8

BELLEVUE MODEL - SLAB FRONT - WITH 50 mm AND 100mm (2in AND 4 in) GLASS CLAMPS

BELLEVUE MODEL

OPENWORK SLAB FRONT FIXED ON STEEL PROFILE



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL - OPENWORK SLAB FRONT -
FIXED ON STEEL PROFILE

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-160, SA-161, or SA-065 shoe. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The glass can be assembled in a way that exposes the post on the outside.

The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 - PMC-330 – PMC-560 – PMC-400. The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel. Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

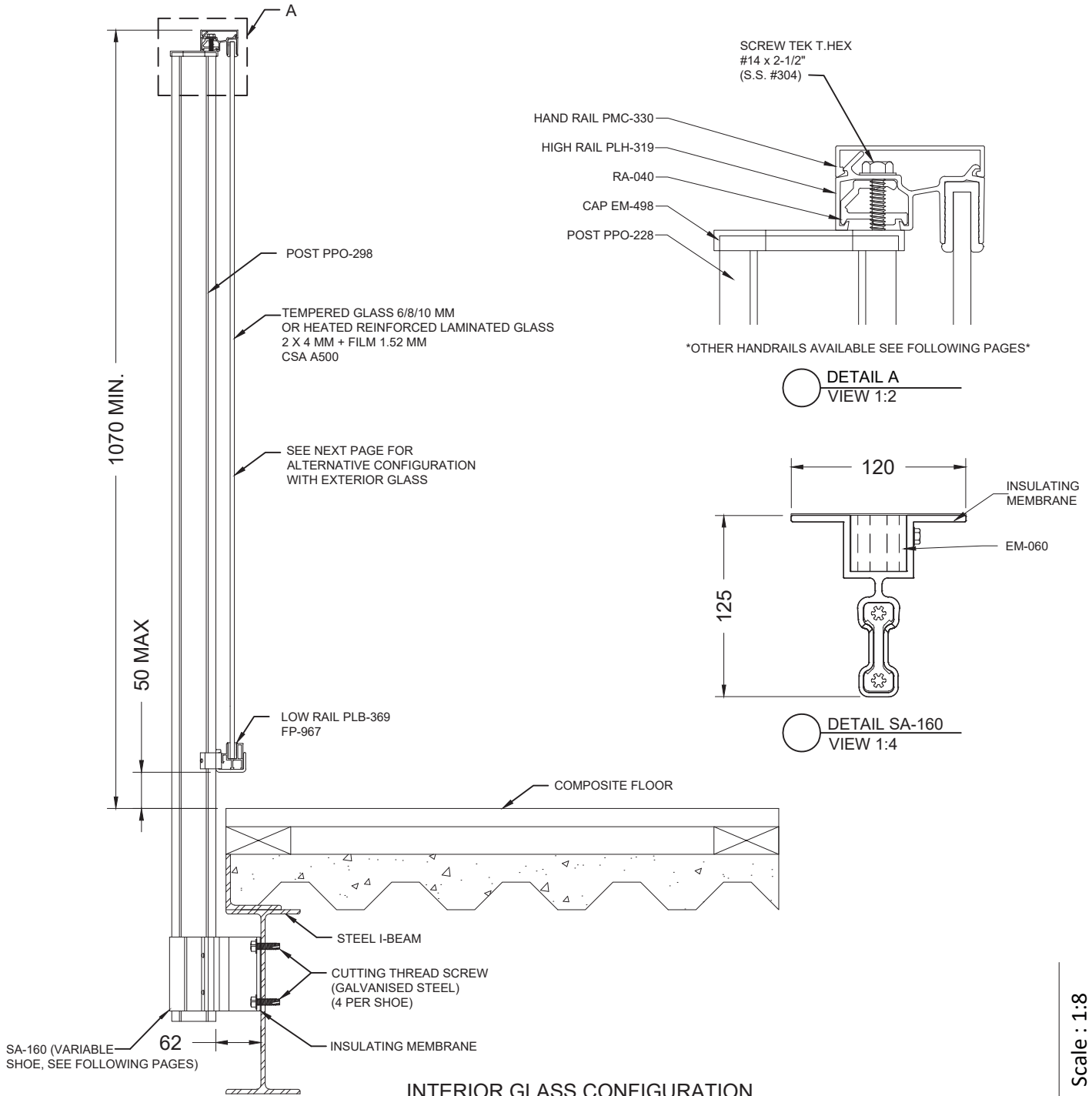
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

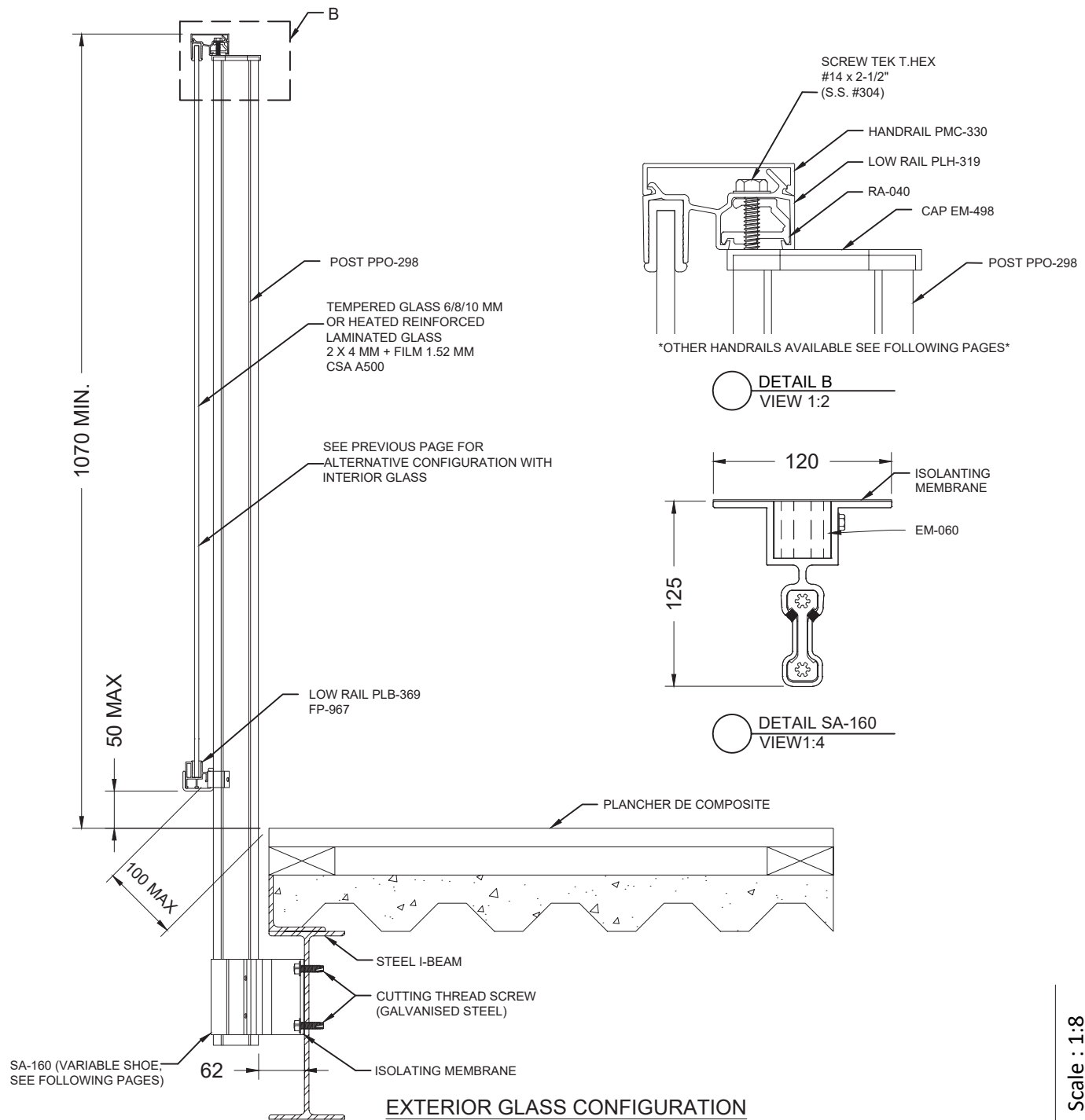
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



INTERIOR GLASS CONFIGURATION

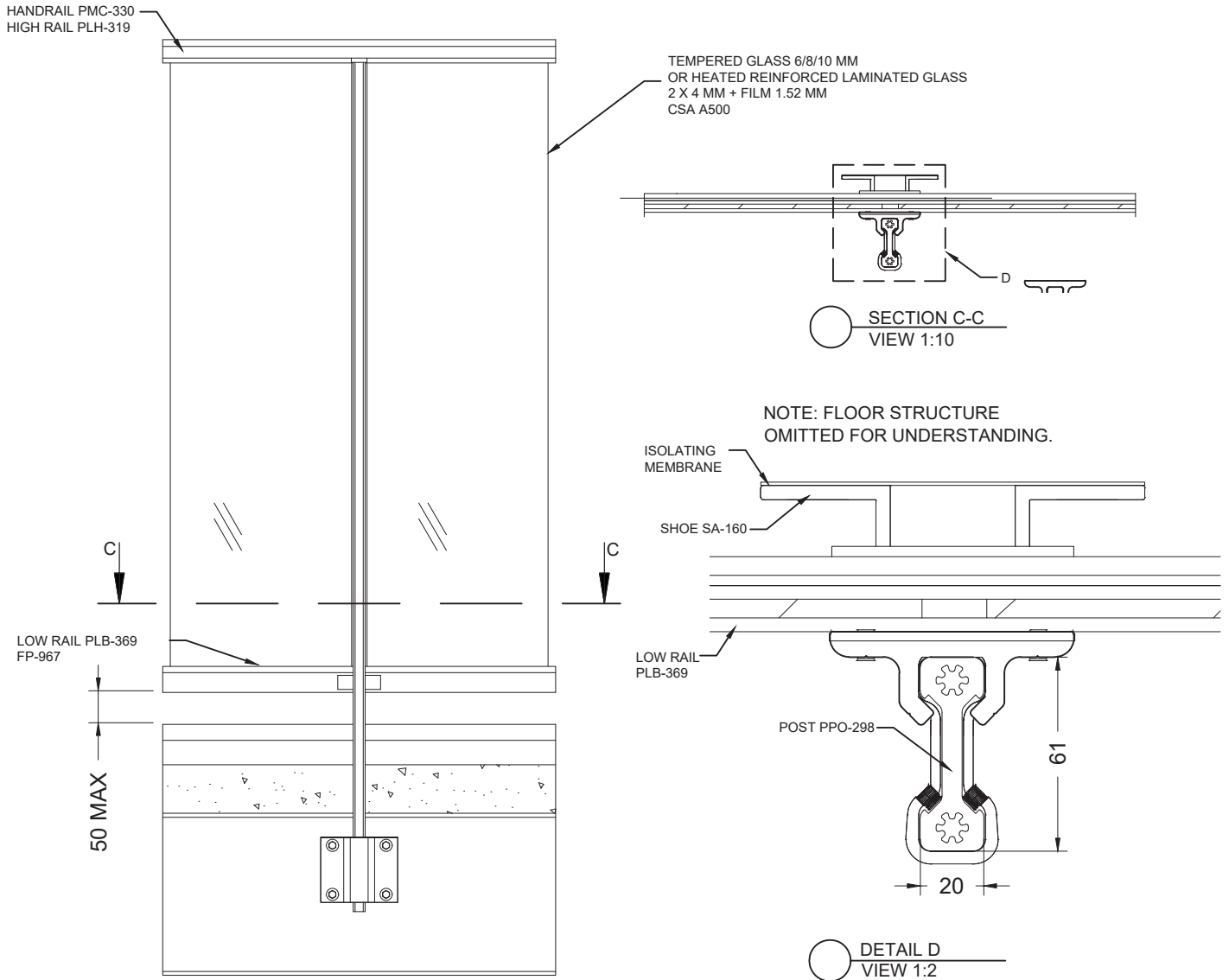
BELLEVUE MODEL - OPENWORK SLAB FRONT - FIXED ON STEEL PROFILE

Scale : 1:8

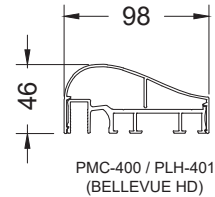
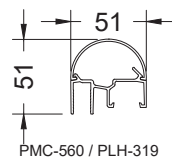
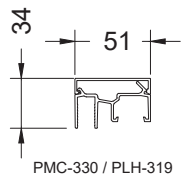
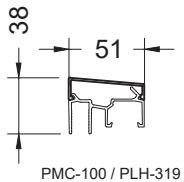


BELLEVUE MODEL - OPENWORK SLAB FRONT - FIXED ON STEEL PROFILE

Scale : 1:8



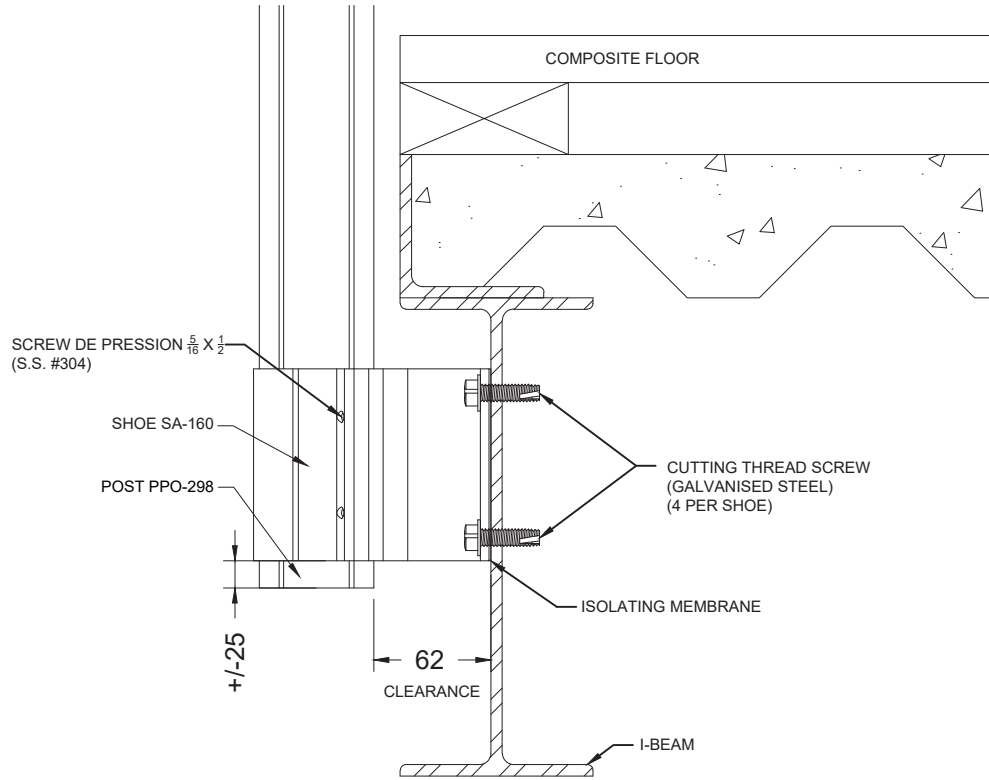
INTERIOR GLASS CONFIGURATION



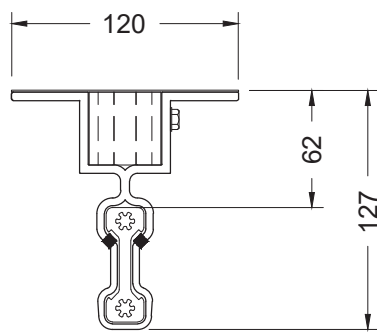
CHOICE OF HANDRAILS

BELLEVUE MODEL - OPENWORK SLAB FRONT - FIXED ON STEEL PROFILE

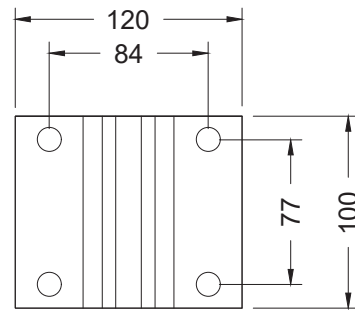
Scale : 1:10



○ DETAIL SA-160
VIEW 1:4



○ DETAIL SA-160
VIEW 1:4

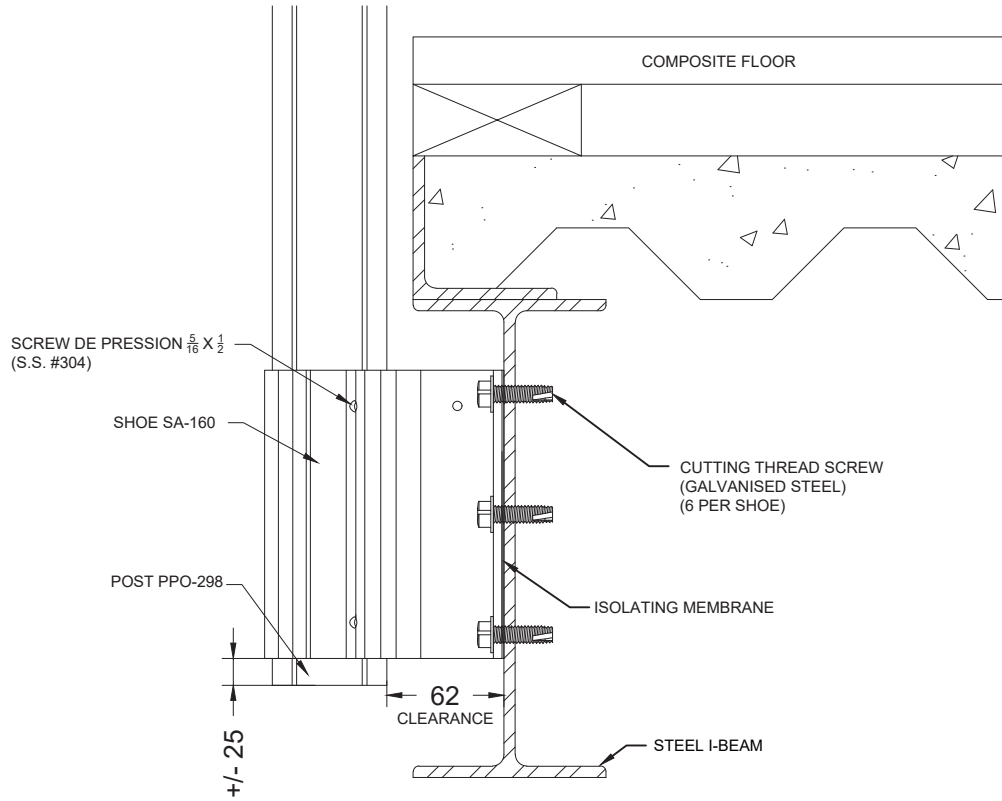


○ DETAIL SA-160
VIEW 1:4

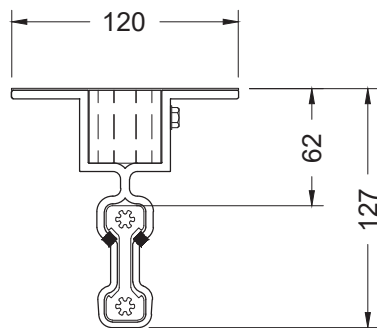
SHOE OPTION SA-160

Scale : 1:4

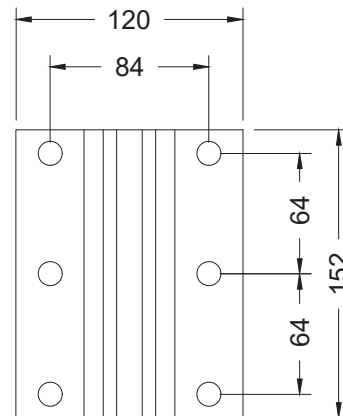
BELLEVUE MODEL - OPENWORK SLAB FRONT - FIXED ON STEEL PROFILE



DETAIL SA-161
VIEW 1:4



DETAIL SA-161
VIEW 1:4

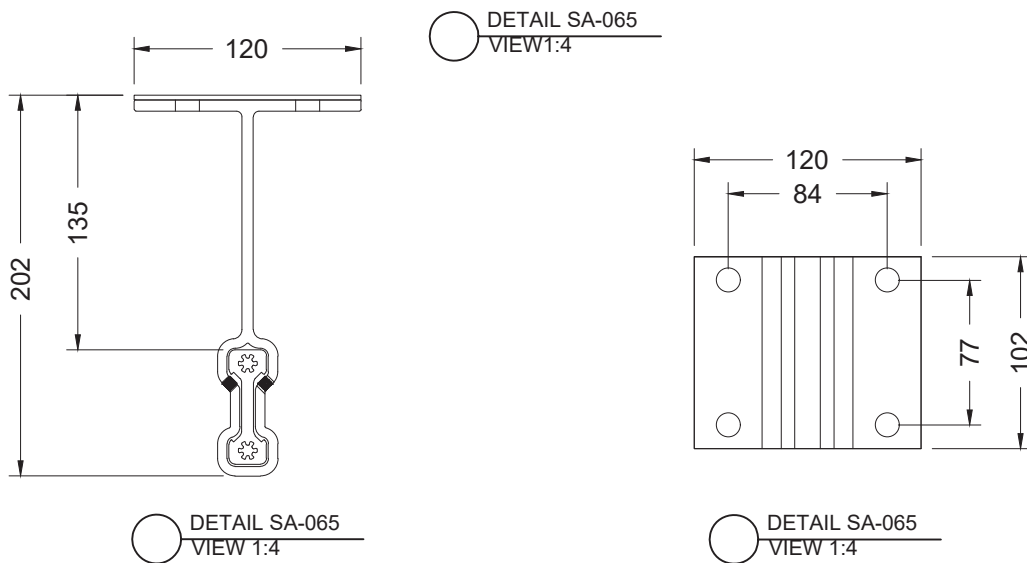
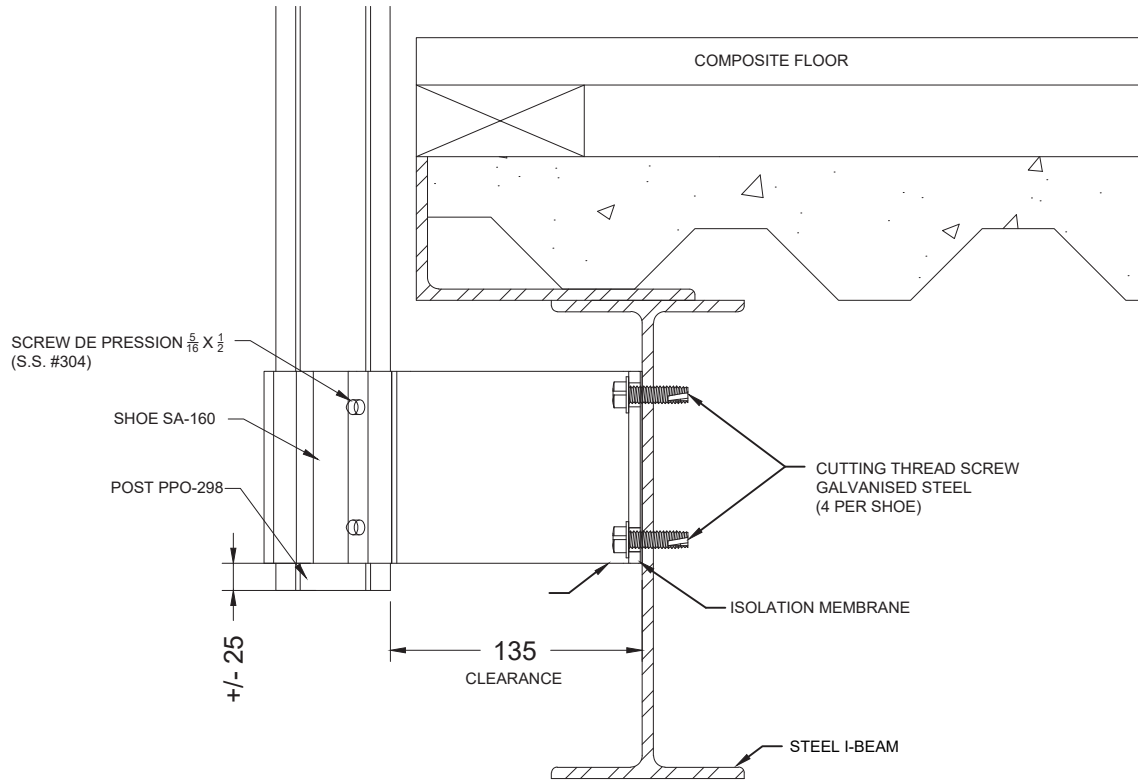


DETAIL SA-161
VIEW 1:4

SHOE OPTION SA-161

Scale : 1:4

BELLEVUE MODEL - OPENWORK SLAB FRONT - FIXED ON STEEL PROFILE



SHOE OPTION SA-065

Scale : 1:4

BELLEVUE MODEL - OPENWORK SLAB FRONT - FIXED ON STEEL PROFILE

BELLEVUE MODEL

OPENWORK SLAB FRONT (GLASS ON SLAB)



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL
OPENWORK SLAB FRONT - (GLASS ON SLAB)

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code .

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-087 shoe, allowing a perfect fit

for each post. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar® , Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

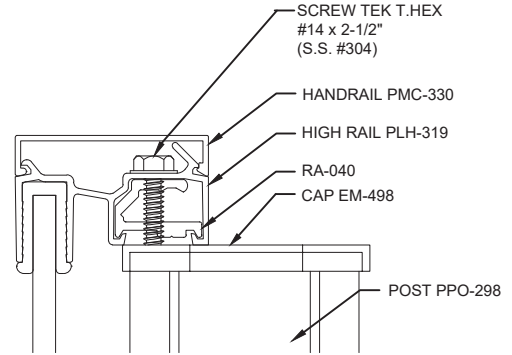
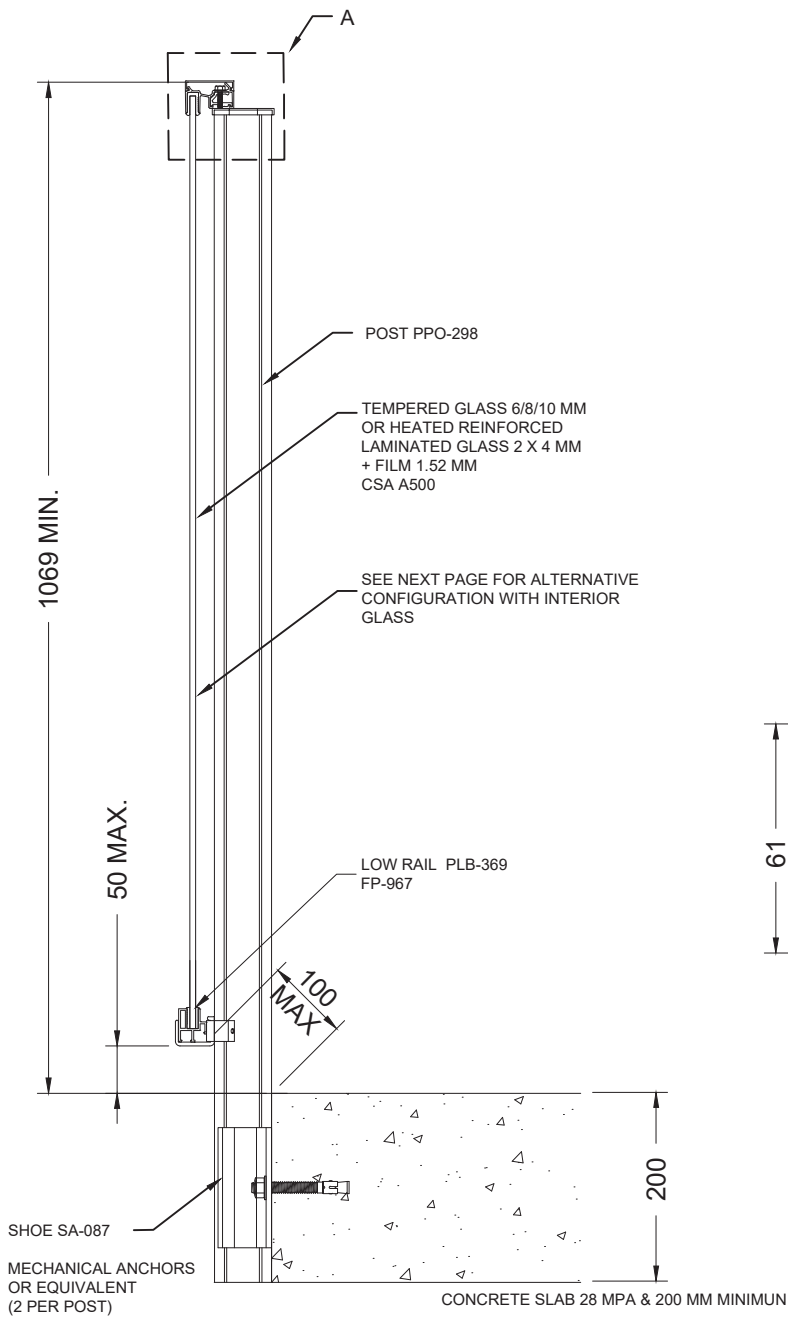
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

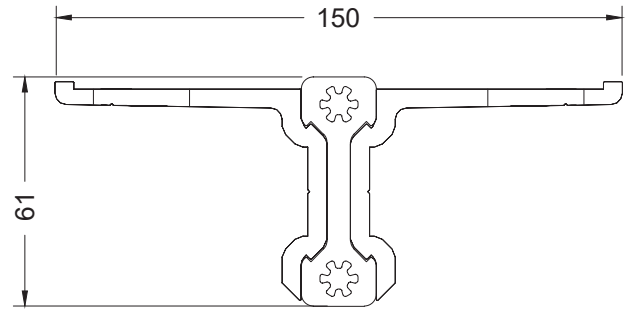
Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



OTHER HANDRAILS AVAILABLE SEE FOLLOWING PAGES

DETAIL A
VIEW 1:2

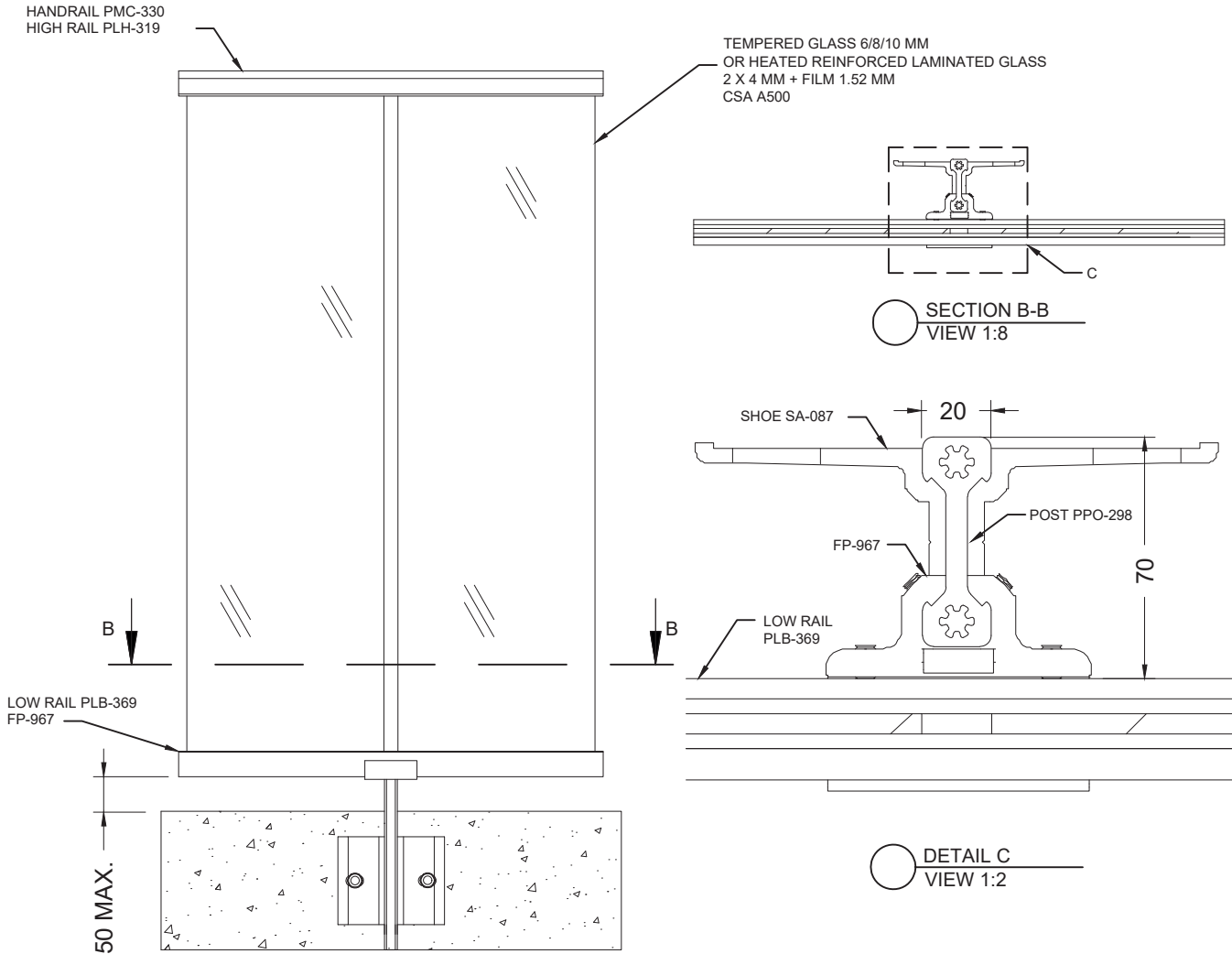


DETAIL SA-087
VIEW 1:2

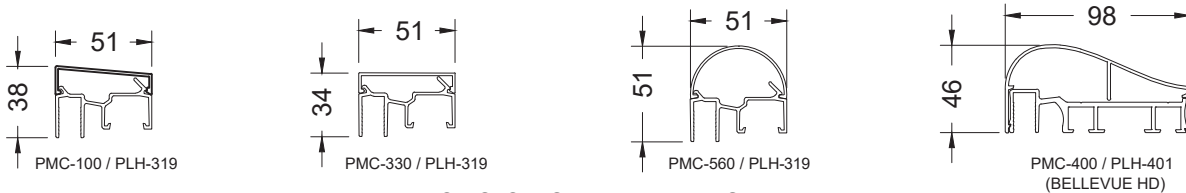
EXTERIOR GLASS CONFIGURATION

BELLEVUE MODEL - OPENWORK SLAB FRONT - (GLASS ON SLAB)

Scale : 1:8



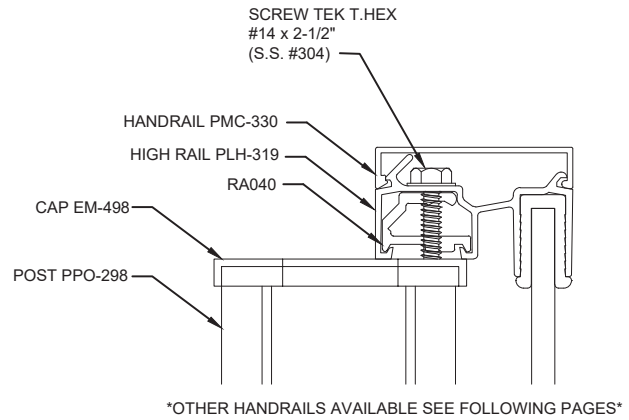
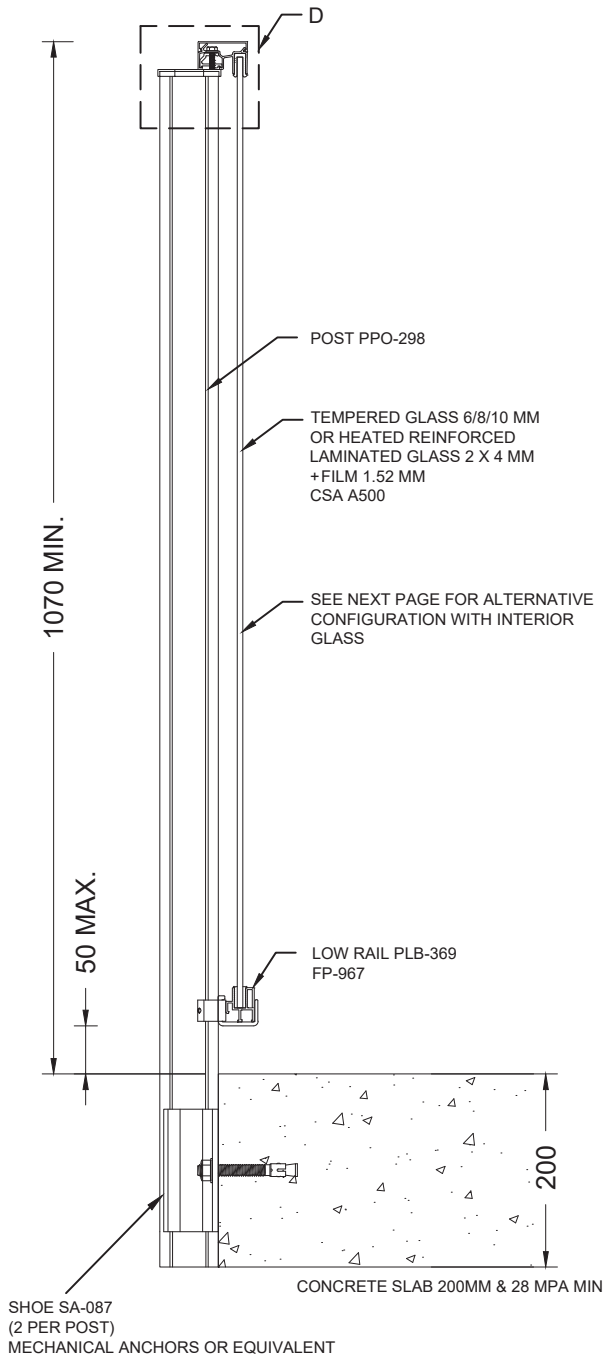
EXTERIOR GLASS CONFIGURATION



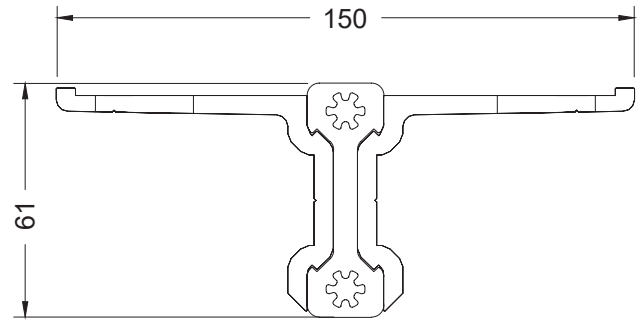
CHOICE OF HANDRAILS

BELLEVUE MODEL - OPENWORK SLAB FRONT - (GLASS ON SLAB)

Scale : 1:10



DETAIL D
VIEW 1:2

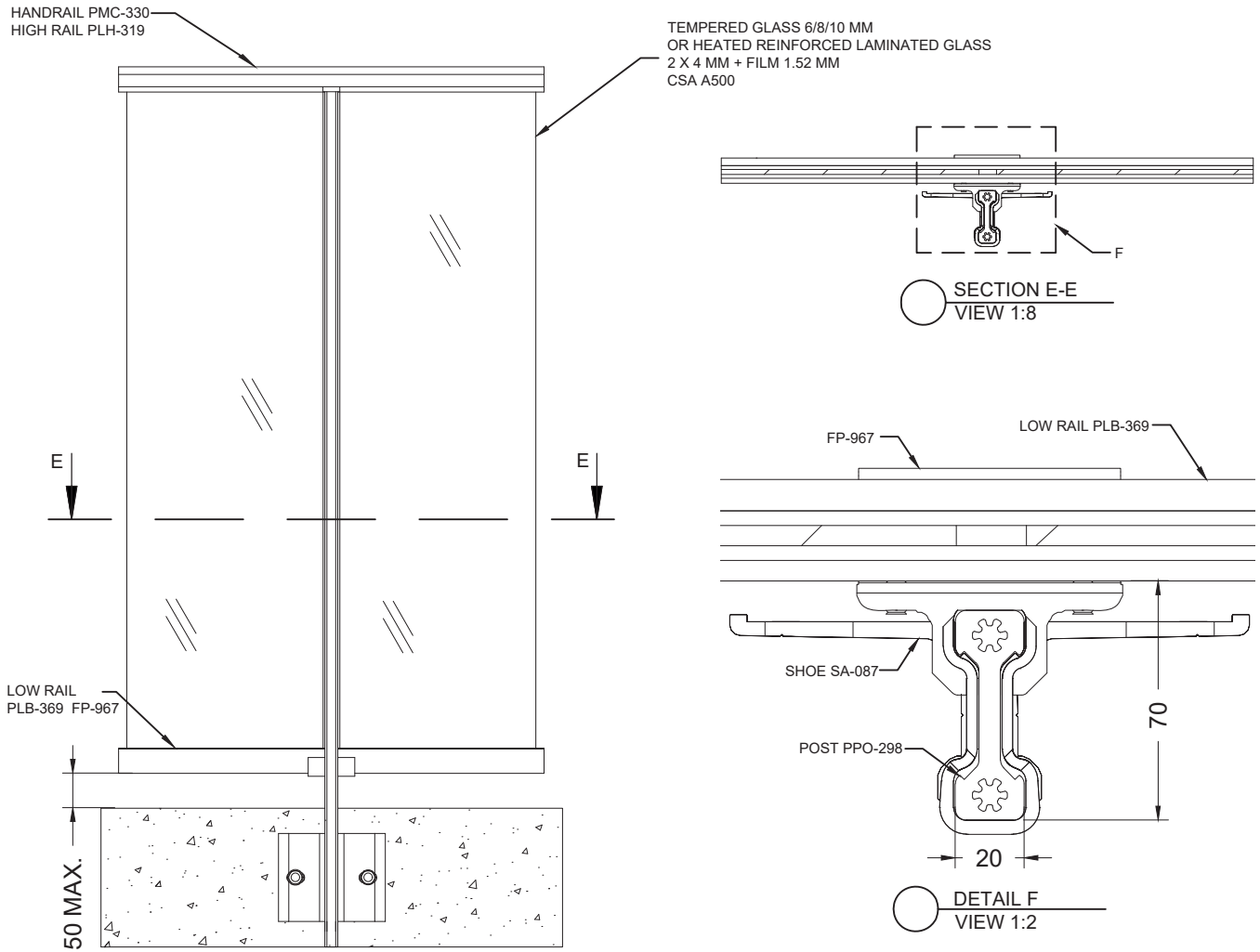


DETAIL SA-087
VIEW 1:2

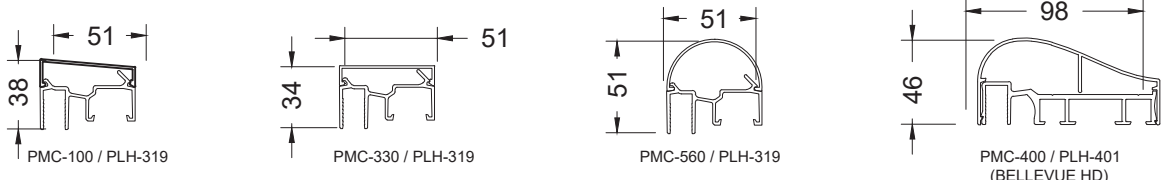
INTERIOR GLASS INTERIOR

BELLEVUE MODEL - OPENWORK SLAB FRONT - (GLASS ON SLAB)

Scale : 1:8



INTERIOR GLASS CONFIGURATION



CHOICE OF HANDRAILS

BELLEVUE MODEL - OPENWORK SLAB FRONT - (GLASS ON SLAB)

Scale : 1:10

BELLEVUE MODEL

SLAB FRONT BAND (CURVED)



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL
SLAB FRONT BAND - (CURVED)

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-087 or an SA-298 shoe, allowing a perfect fit for each post. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

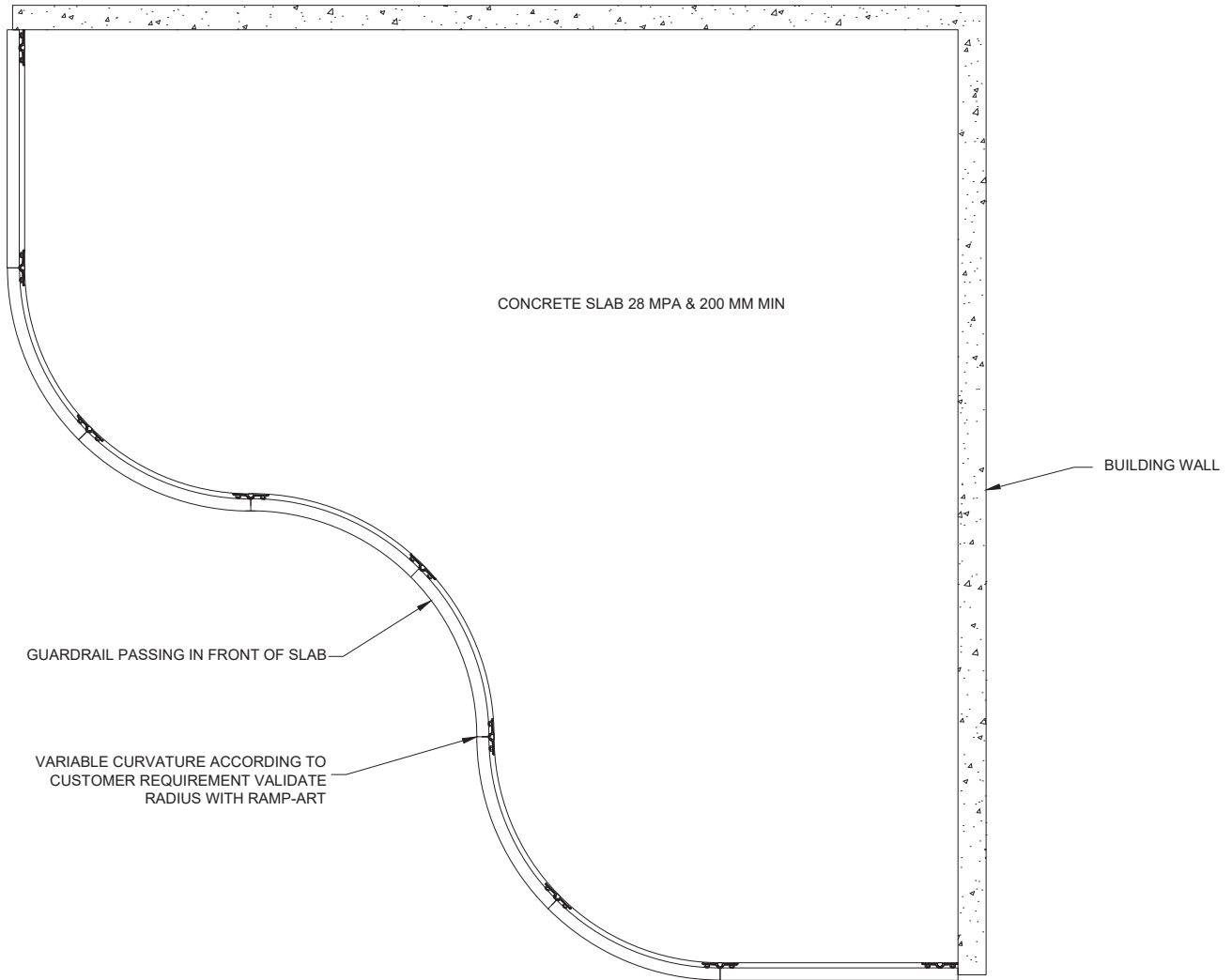
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



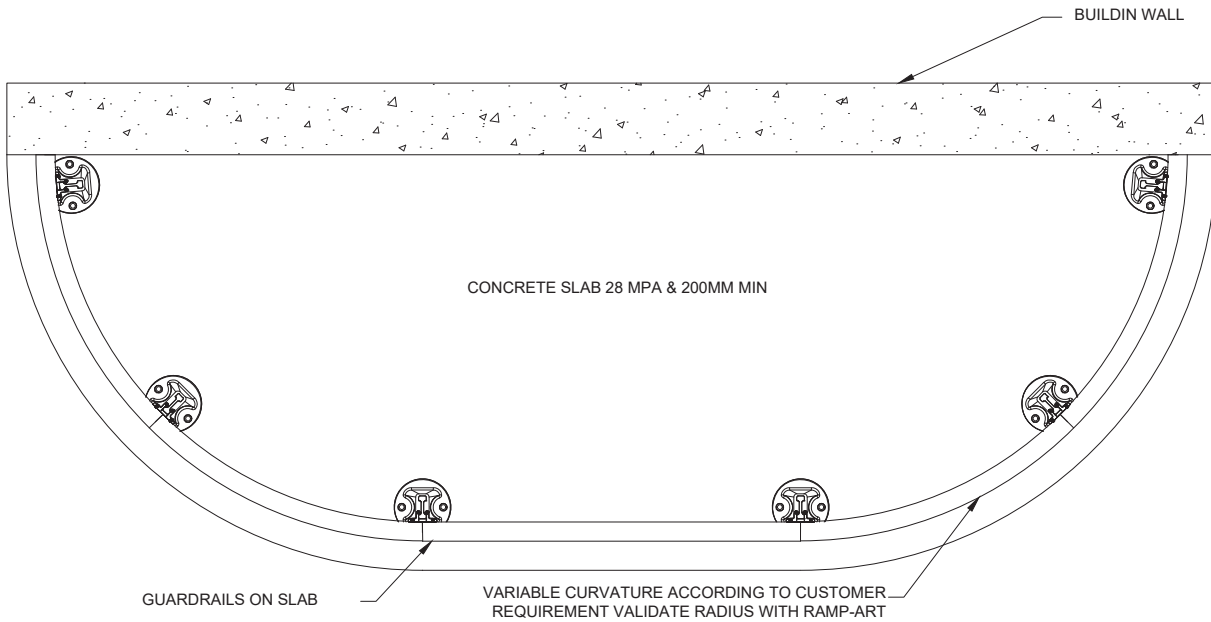
SECTION A

* MOST MODELS ARE AVAILABLE FOR STRAPING
VALIDATE FEASIBILITY WITH RAMP-ART

CURVED GUARDRAIL PASSING IN FRONT OF THE SLAB

Scale : 1:30

BELLEVUE MODEL - CURVED



* MOST MODELS ARE AVAILABLE FOR STRAPING
VALIDATE FEASIBILITY WITH RAMP-ART

CURVED GUARDRAIL ON CONCRETE SLAB

BELLEVUE MODEL - CURVED

Scale : 1:20

BELLEVUE MODEL

SLAB FRONT

SLAB TO SLAB (COLONNADE)



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL - SLAB FRONT
SLAB TO SLAB (COLONNADE)

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code .

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-087 shoe, and aligned to the floors in order to accommodate the PPO-298 at its full height with glass panels assembled in the form of a colonnade. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar® , Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

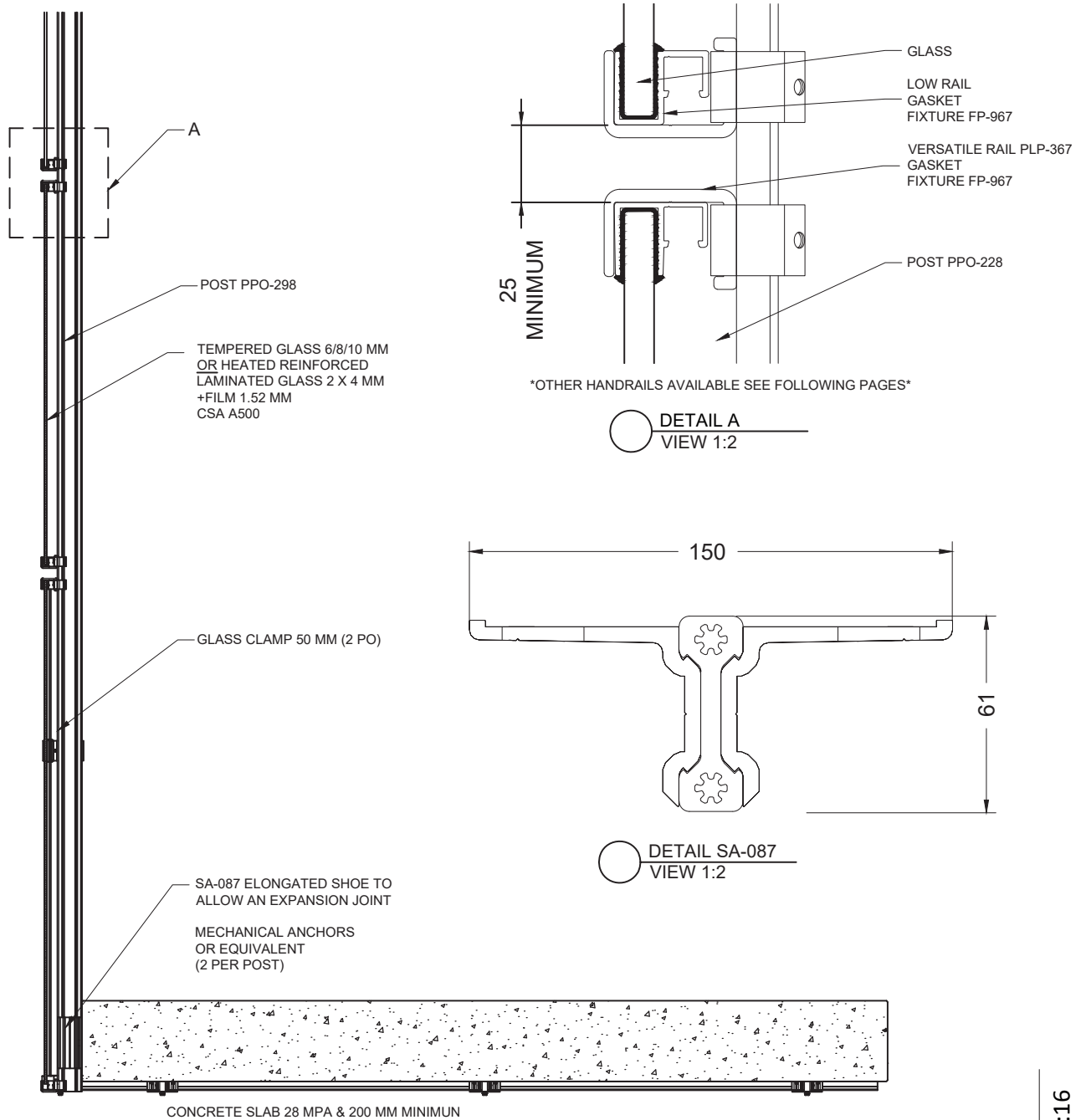
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

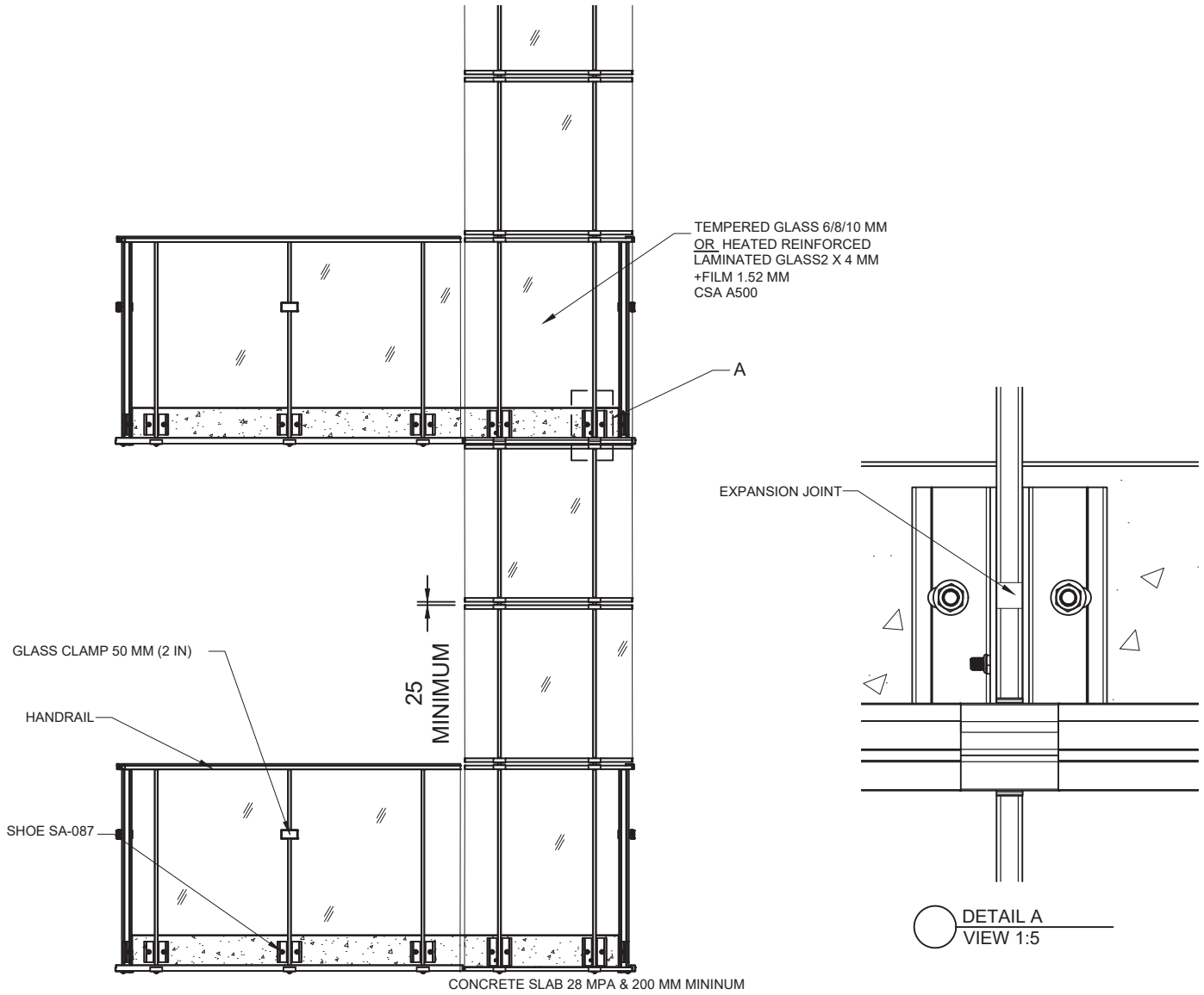
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



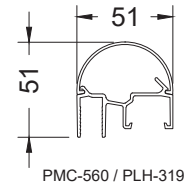
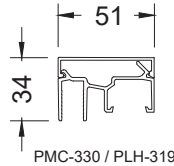
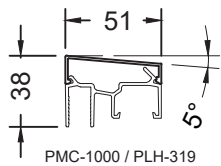
EXTERIOR GLASS CONFIGURATION

Scale : 1:16

BELLEVUE MODEL - SLAB FRONT - SLAB TO SLAB (COLONNADE)



EXTERIOR GLASS CONFIGURATION



CHOICE OF HANDRAILS

Scale : 1:40

BELLEVUE MODEL - SLAB FRONT - SLAB TO SLAB (COLONNADE)

BELLEVUE MODEL
SIDE FIXTURE ON ABUTMENT
WALL UNDER HANDRAIL



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL
SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with a shoe perfectly adapted for projection of the wall cap (SA-063 / SA-065 / SA-087 / SA-160) also allowing

a perfect adjustment of each post. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 - PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

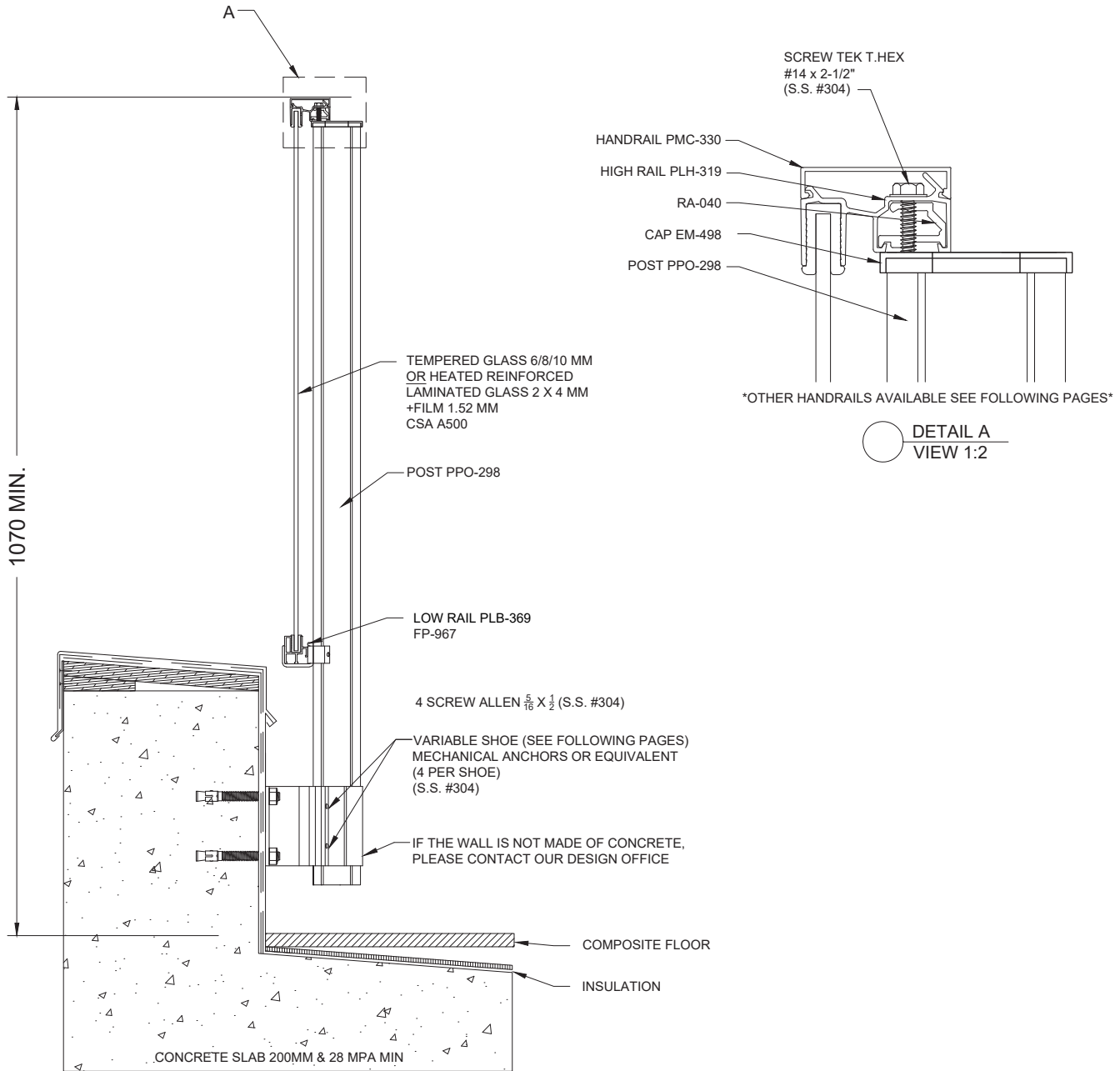
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

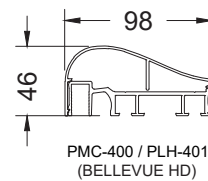
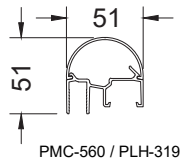
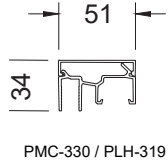
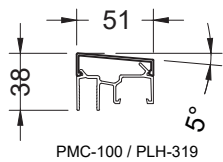
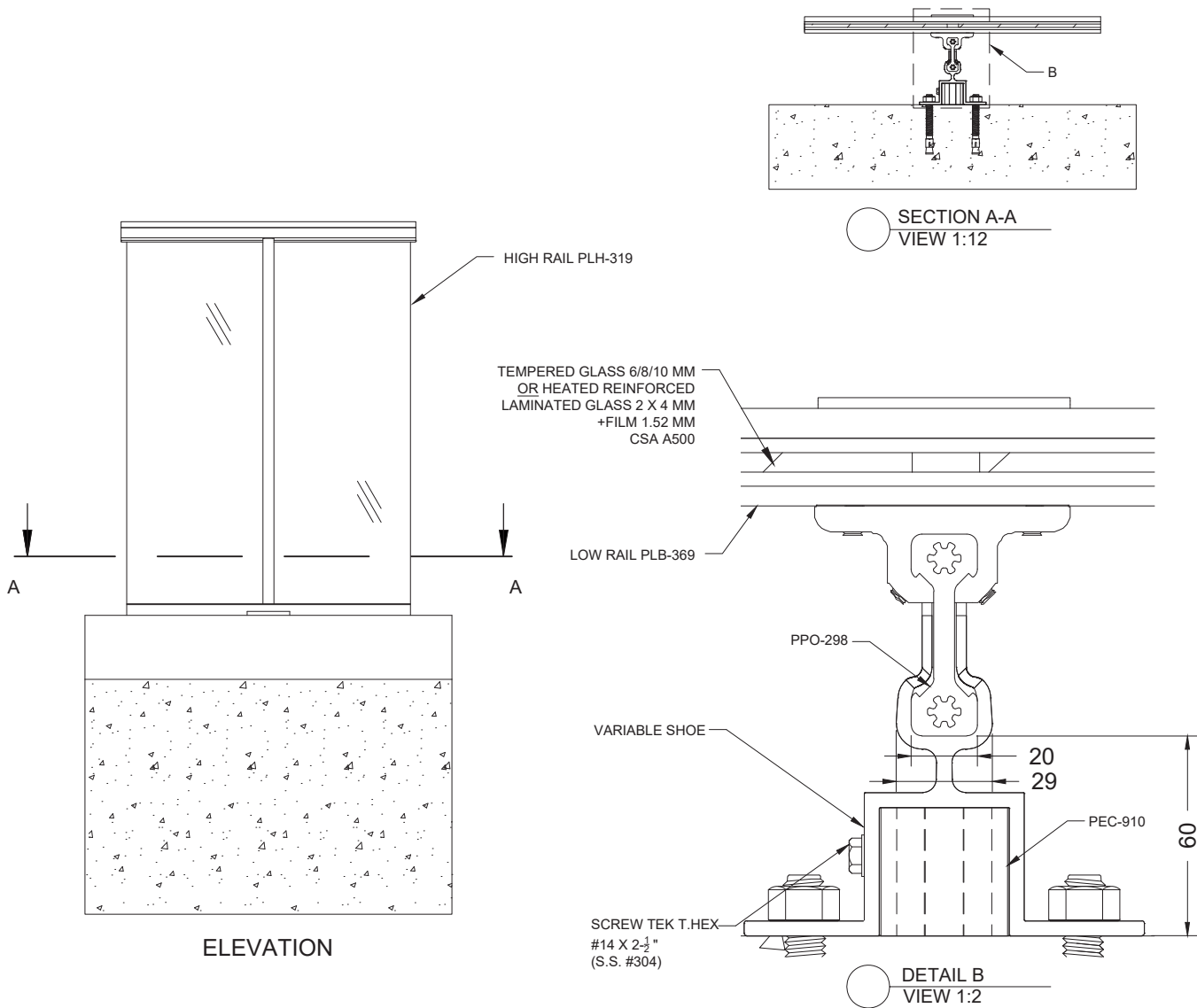
4. APPROVALS

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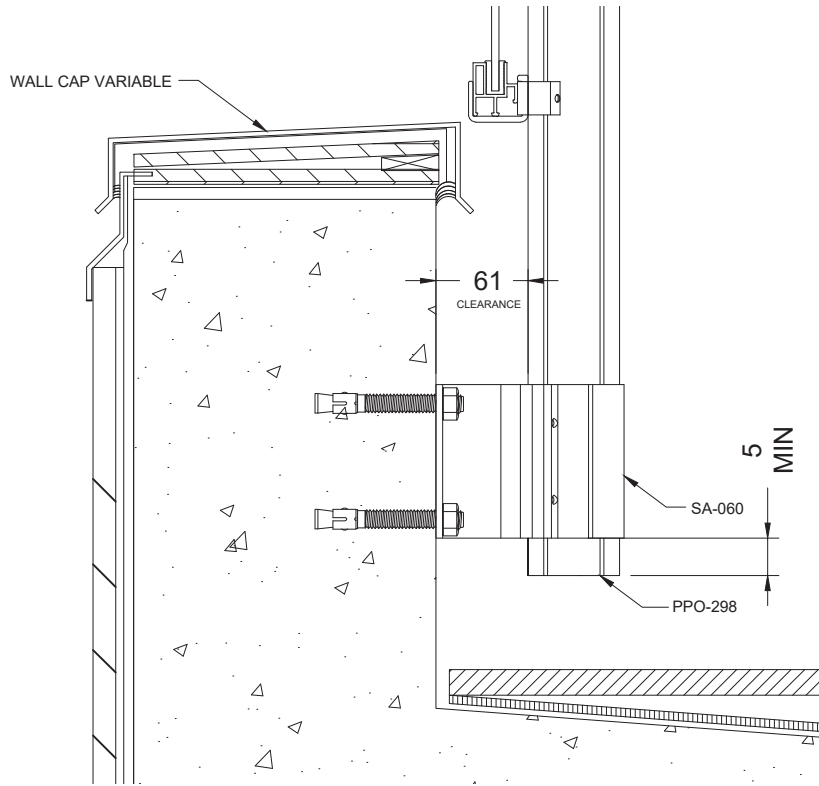
BELLEVUE MODEL - SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL



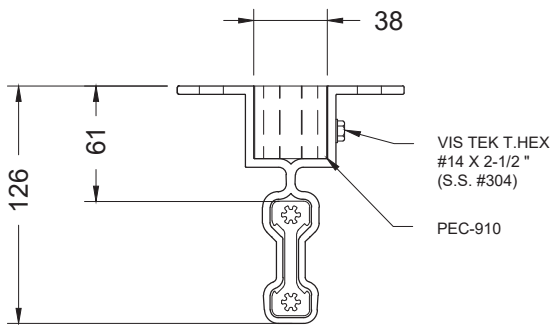
CHOICE OF HANDRAILS

BELLEVUE MODEL - SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL

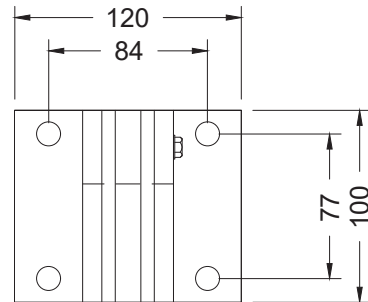
Scale : 1:12



○ DETAIL SA-160
VIEW 1:5



○ DETAIL SA-160
VIEW 1:4

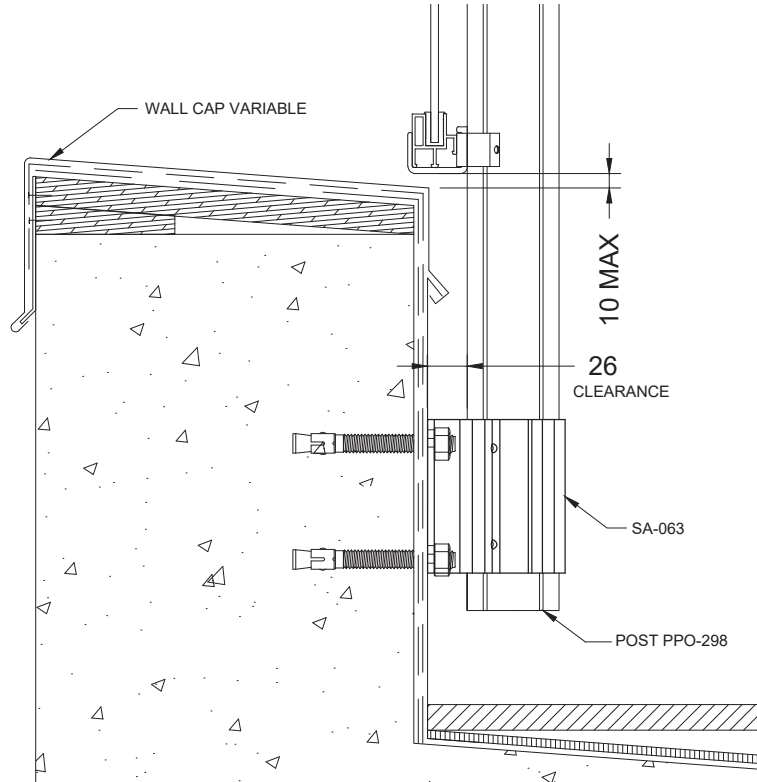


○ DETAIL SA-160
VIEW 1:4

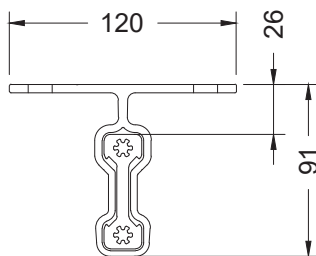
SHOE OPTION SA-160

BELLEVUE MODEL - SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL

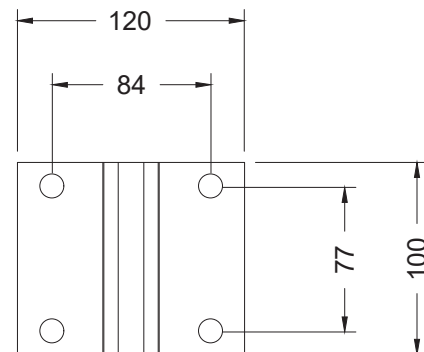
Scale : indiquée



○ DETAIL SA-063
VIEW 1:5



○ DETAIL SA-063
VIEW 1:4

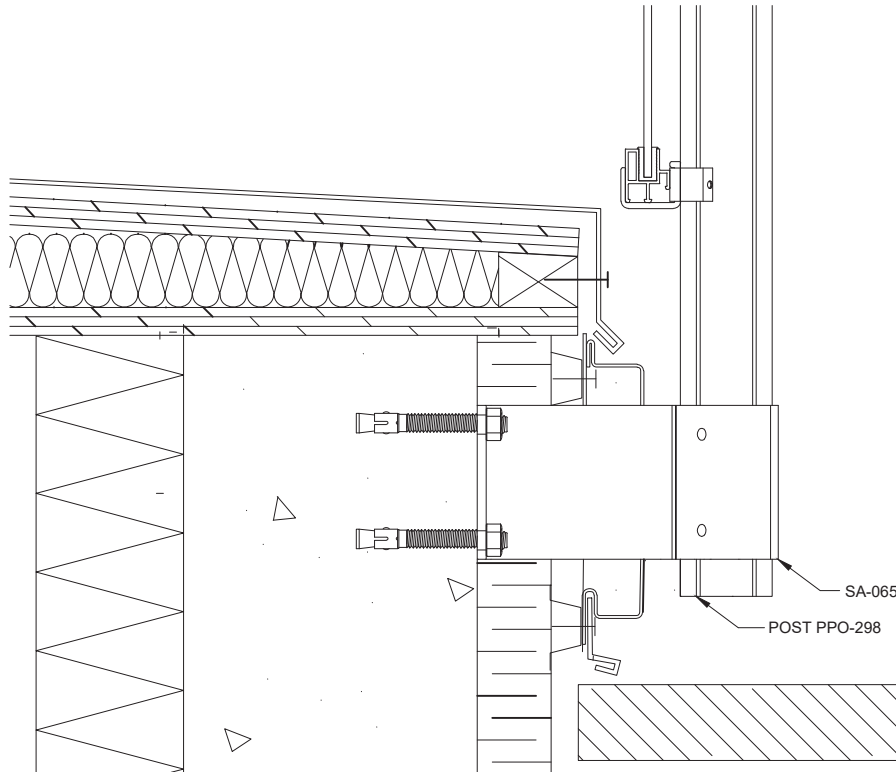


○ DETAIL SA-063
VIEW 1:4

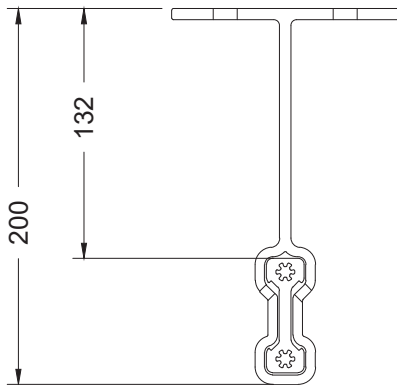
SHOE OPTION SA-063

Scale indicated

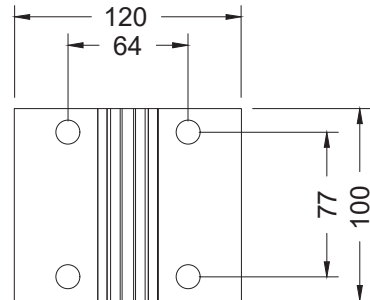
BELLEVUE MODEL - SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL



○ DETAIL SA-065
VIEW 1:5



○ DETAIL SA-065
VIEW 1:4

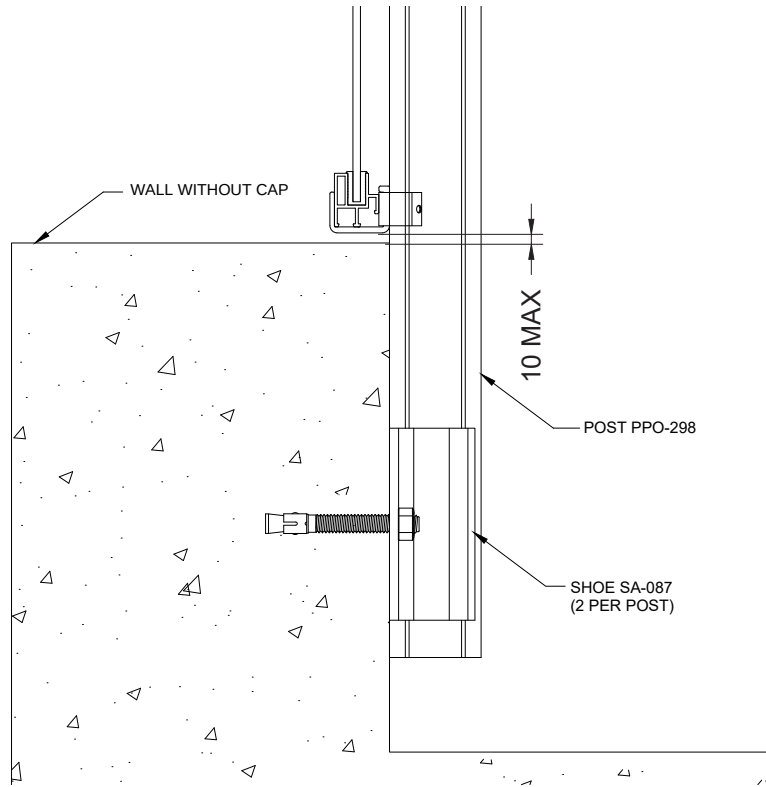


○ DETAIL SA-065
VIEW 1:4

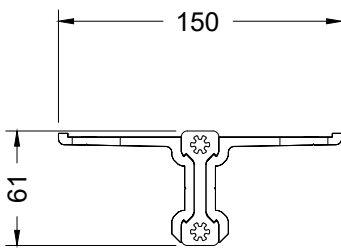
SHOE OPTION SA-065

BELLEVUE MODEL - SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL

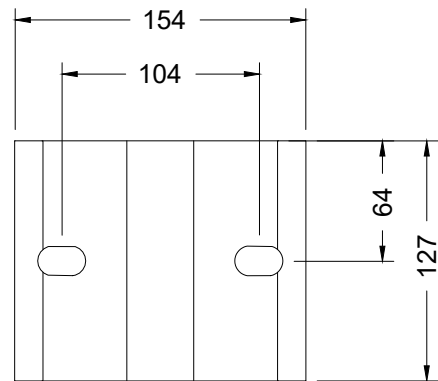
Scale indicated



○ DETAIL SA-087
VIEW 1:5



○ DETAIL SA-087
VIEW 1:4



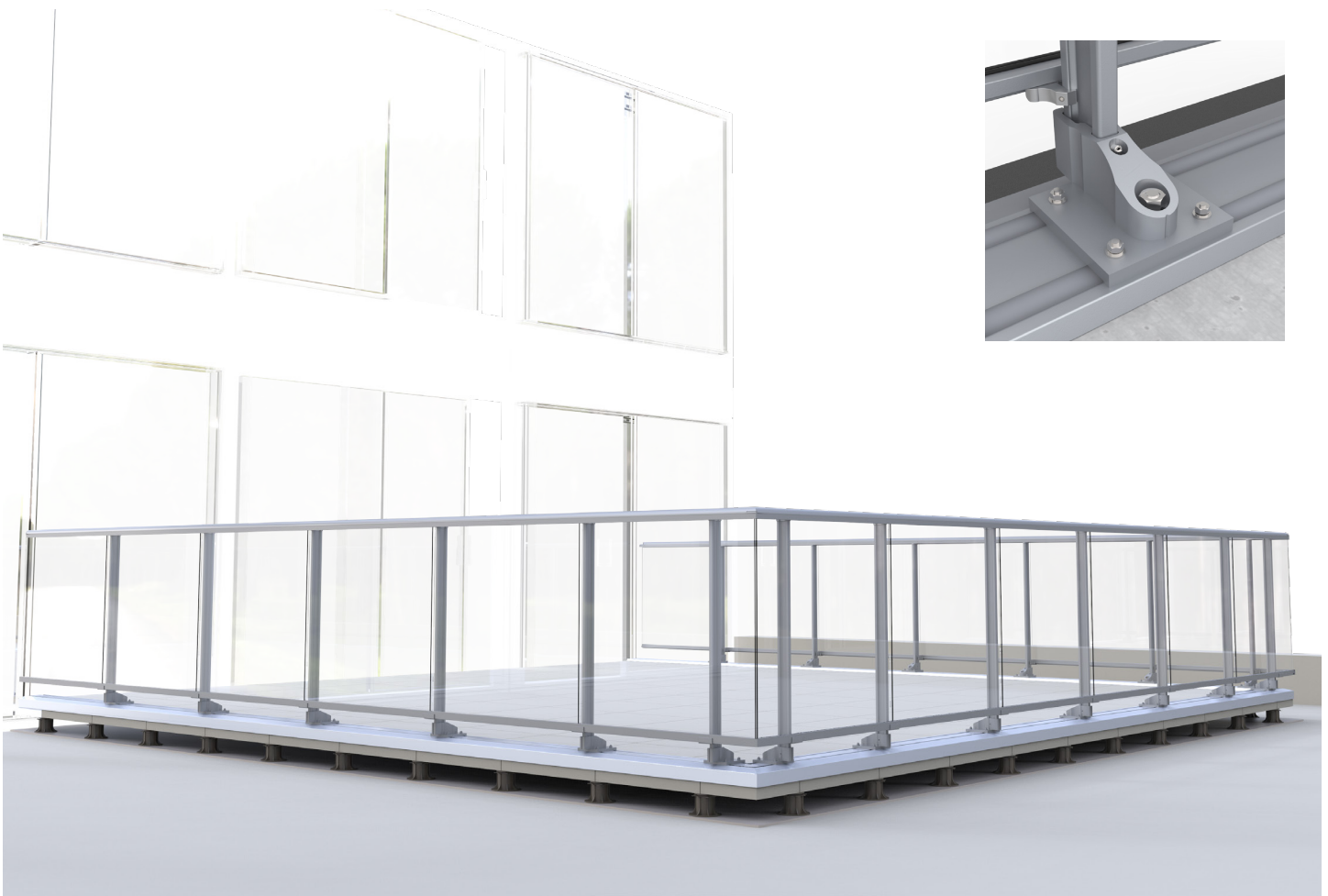
○ DETAIL SA-087
VIEW 1:4

SHOE OPTION SA-087

SCALE INDICATED

BELLEVUE MODEL - SIDE FIXTURE ON ABUTMENT WALL UNDER HANDRAIL

BELLEVUE MODEL TERRACE ON PEDESTALS



DESCRIPTION

GUARDRAIL: BELLEVUE MODEL TERRACE ON PEDESTALS

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-436 shoe.

The PSA-438 profile is made of aluminum and is only available in a natural anodized finish, which allows to group the concrete slabs. The slabs must be staggered at the terrace perimeter. Reinforcements may be required in the case of continuous passageways depending on the loads. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

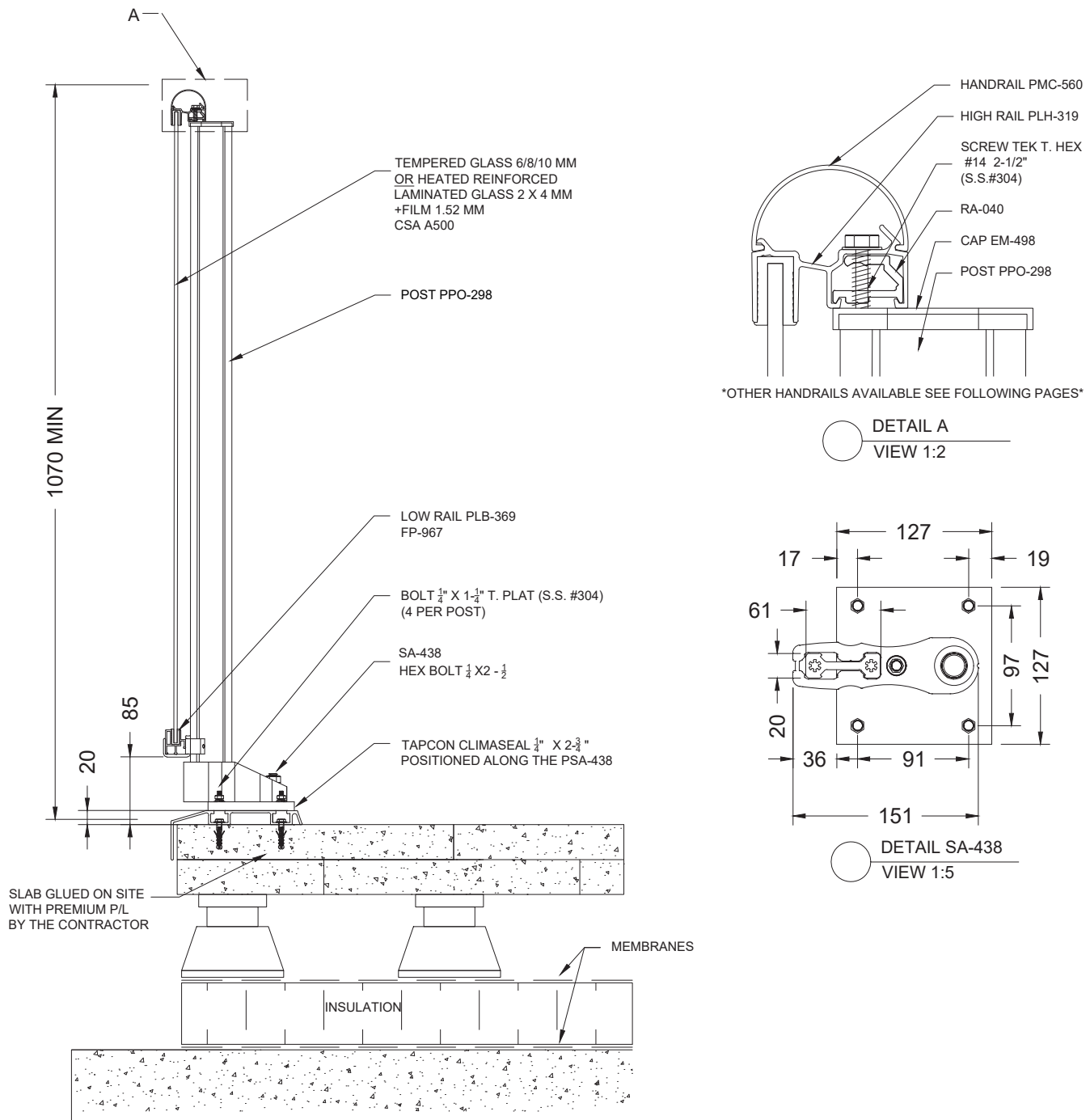
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.

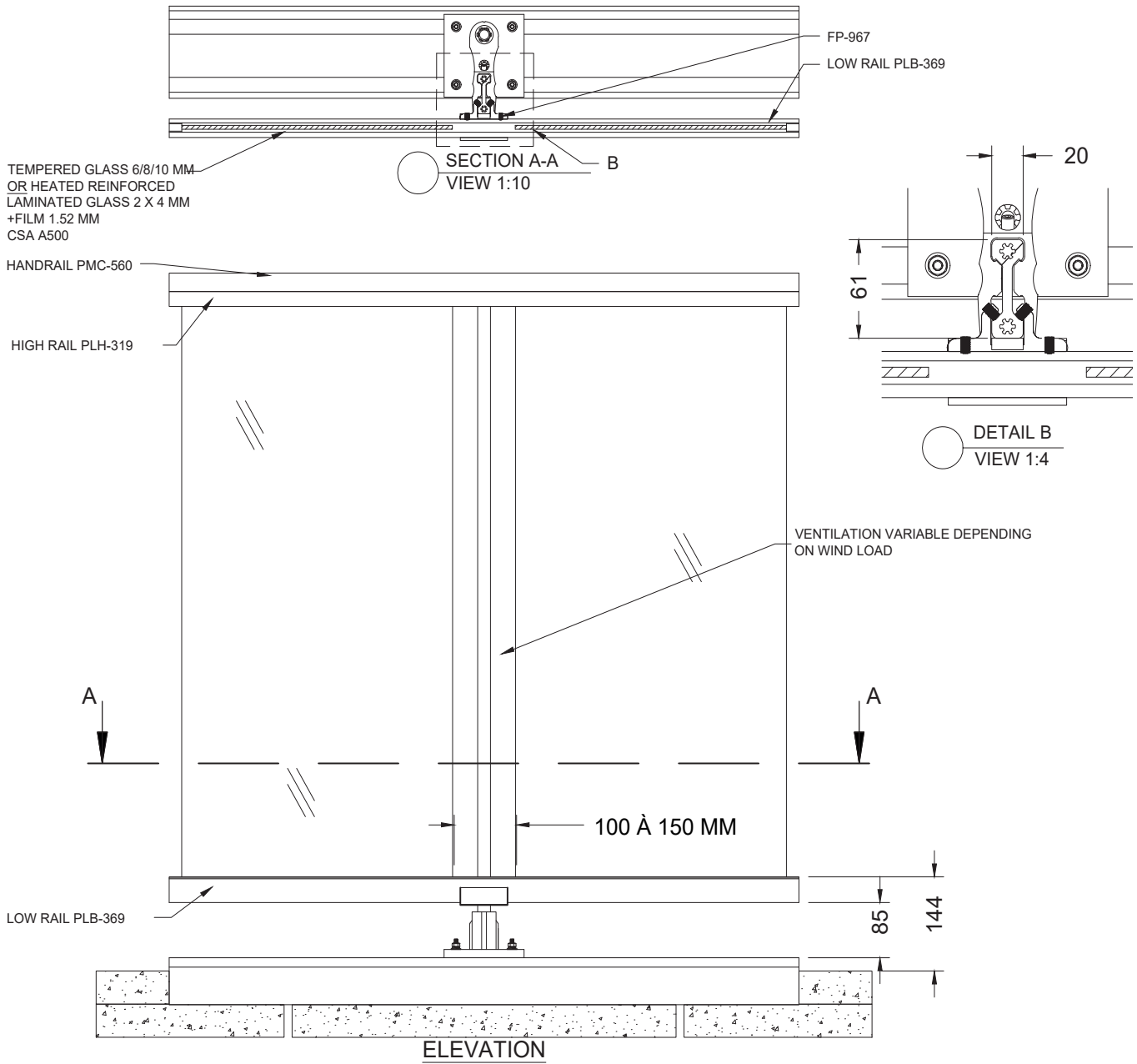


SUPERIMPOSED SLABS ON PEDESTALS FOR 10 FLOORS OR LESS

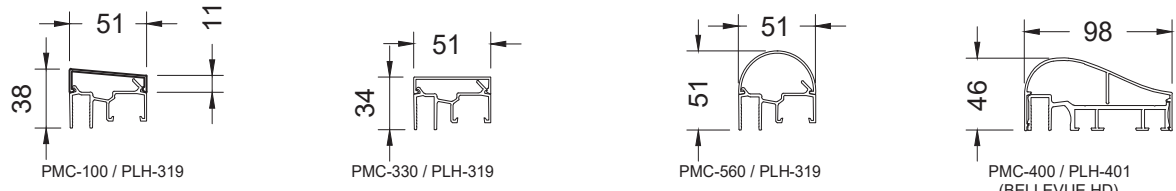
- * DOUBLE HERRINGBONE TILING AND BONDED WITH PREMIUM ADHESIVE AROUND THE BALCONY, CARRIED OUT BY A THIRD PARTY.
- * FOR 10 FLOORS AND ABOVE, SITUATION ONLY AVAILABLE WITH APPROVAL FROM THE AUTHORITIES OR APPLICABLE STANDARDS.

BELLEVUE MODEL - TERRACE ON PEDESTALS

Scale : 1:9



SECTION A



CHOICE OF HANDRAILS

Scale : 1:10

BELLEVUE MODEL - TERRACE ON PEDESTALS

**CHARTER FOR USE OF REINFORCEMENTS
IN THE CASE OF CONTINUOUS PASSAGEWAYS**
 FROM 0M TO 4M: NO REINFORCEMENT
 FROM 5M TO 9M: 1 REINFORCEMENT
 FROM 10M TO 14M: 2 REINFORCEMENTS
 FROM 15M TO 19M: 3 REINFORCEMENTS
 FROM 20M TO 24M: 4 REINFORCEMENTS
 FROM 25M TO 30M: 5 REINFORCEMENTS

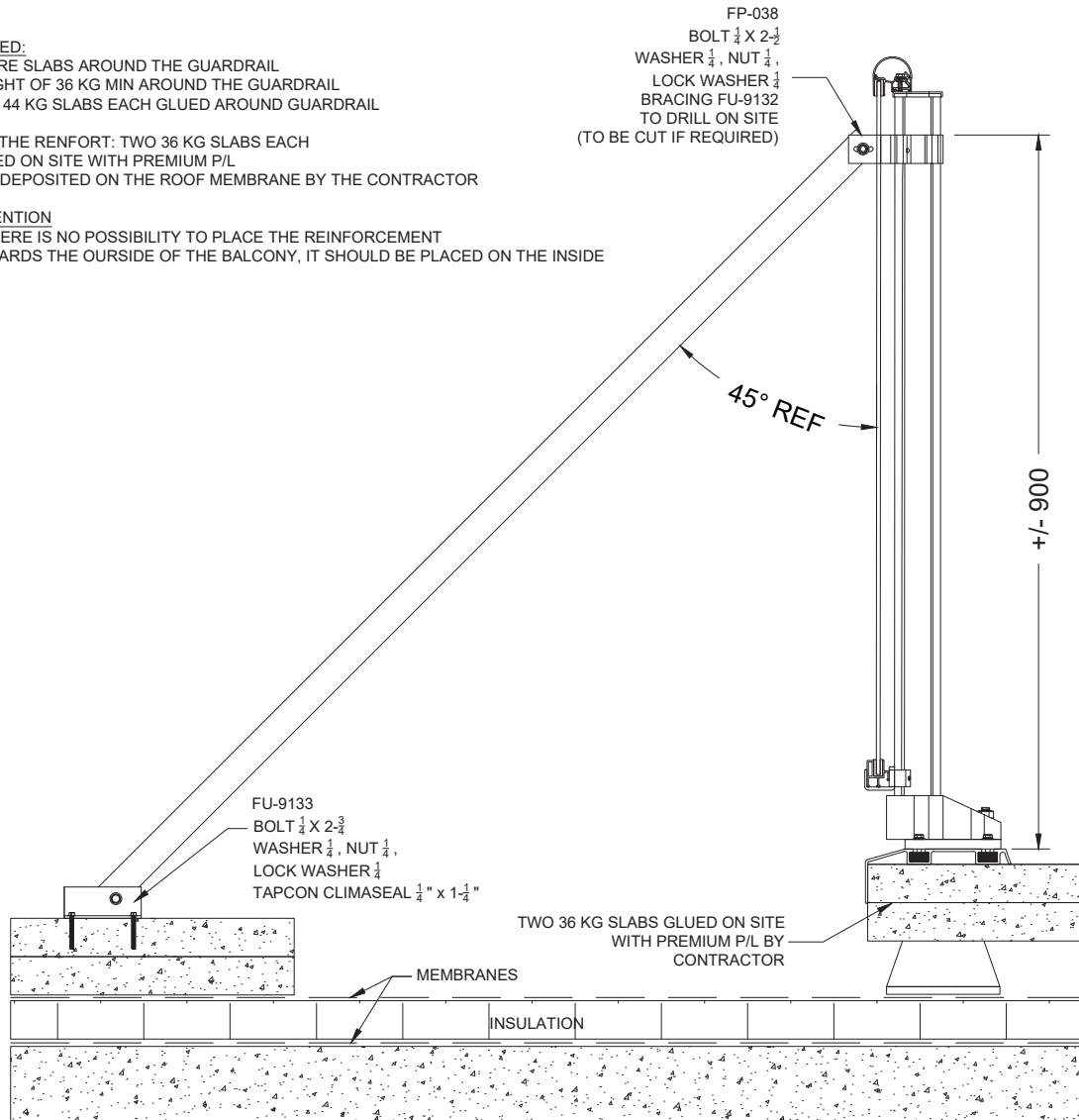
REQUIRED:

- ENTIRE SLABS AROUND THE GUARDRAIL
- WEIGHT OF 36 KG MIN AROUND THE GUARDRAIL
- TWO 44 KG SLABS EACH GLUED AROUND GUARDRAIL

FOR THE RENFORT: TWO 36 KG SLABS EACH
 GLUED ON SITE WITH PREMIUM P/L
 AND DEPOSITED ON THE ROOF MEMBRANE BY THE CONTRACTOR

ATTENTION

IF THERE IS NO POSSIBILITY TO PLACE THE REINFORCEMENT
 TOWARDS THE OURSIDE OF THE BALCONY, IT SHOULD BE PLACED ON THE INSIDE



INSTALLATION OF SUPERIMPOSED SLABS ON PEDESTALS WITH REINFORCEMENT ON PASSAGEWAY
 *SIDE-BY-SIDE SLAB INSTALLATION ON PEDESTALS AVAILABLE DEPEINDINF ON PROJECT LOADS

SECTION A

Scale : 1:10

BELLEVUE MODEL - TERRACE ON PEDESTALS

BELLEVUE MODEL

JULIETTE

(FRENCH BALCONY REINFORCED WITH CORNER)



DESCRIPTION

GUARDRAIL BELLEVUE MODEL - JULIETTE B (FRENCH BALCONY REINFORCED WITH CORNER)

System installed in front of patio door or as a decorative element with a suitable shoe.

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with a shoe adapted to the substrate, such as SA-087, SA-060, etc., allowing a perfect fit. The central post is supported by an angle iron which acts as a closure to avoid an opening greater than 100mm at the bottom of the Juliette. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400. The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel. Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

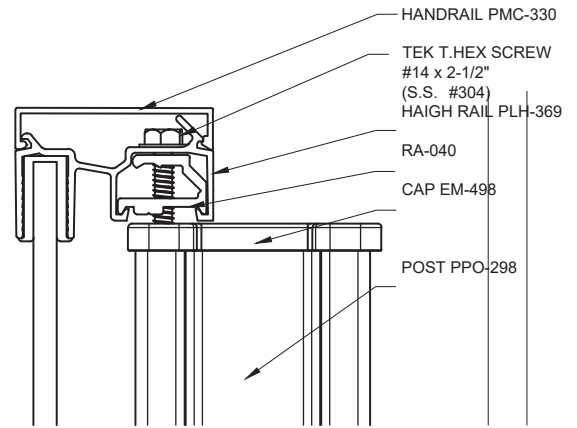
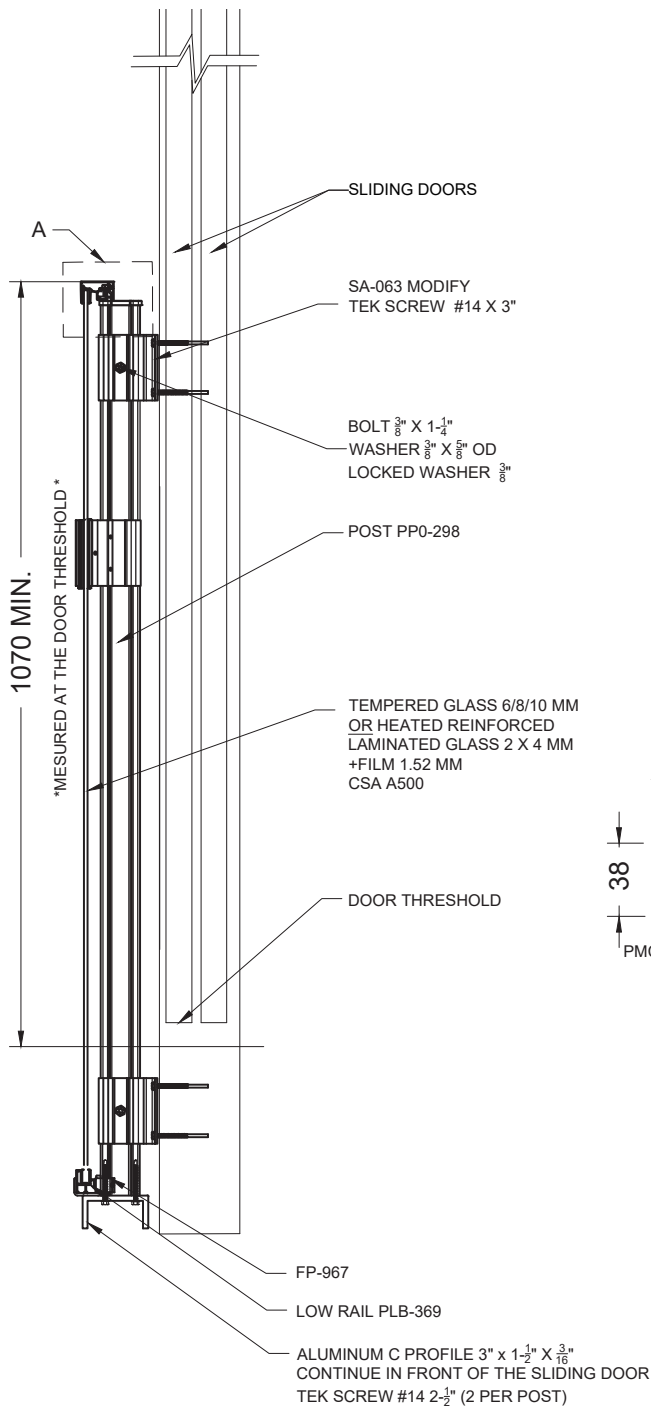
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

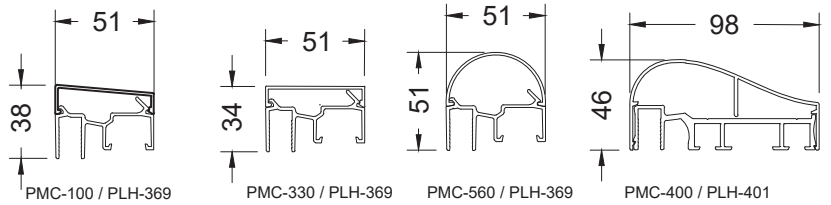
Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



OTHER HANDRAILS AVAILABLE SEE FOLLOWING PAGES

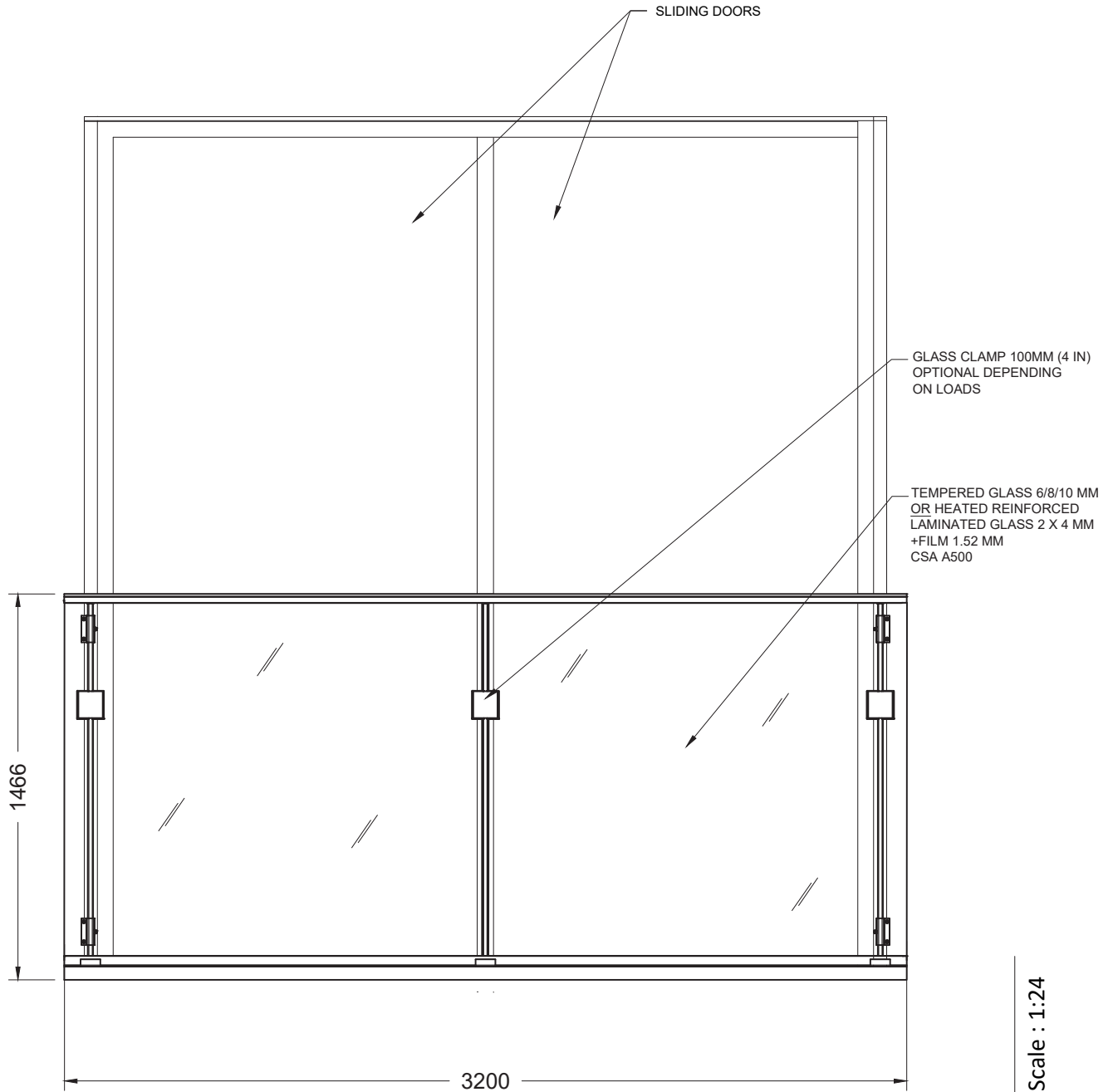
DETAIL A
VIEW 1:2



CHOICE OF HANDRAILS

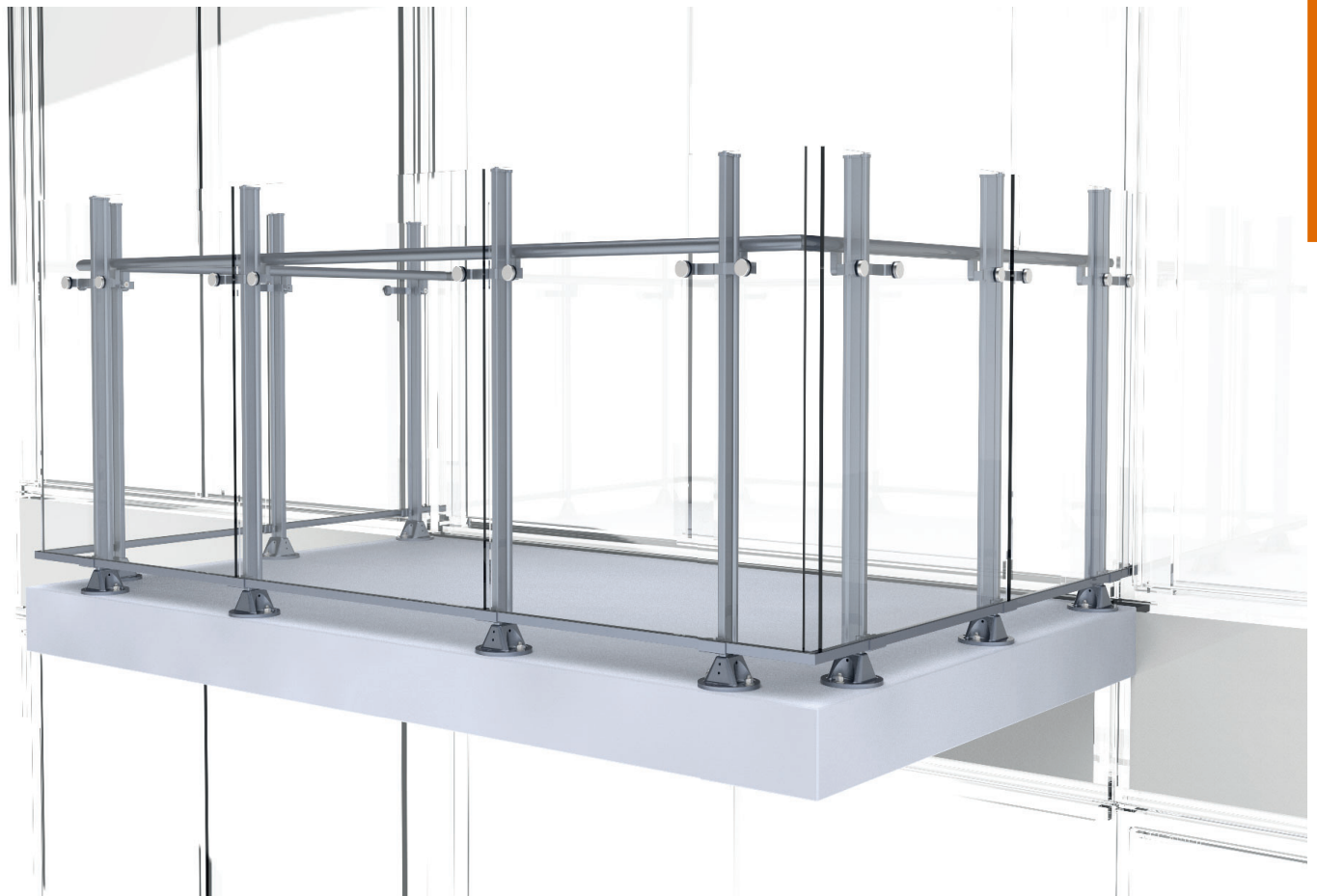
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BELLEVUE MODEL - JULIETTE (FRENCH BALCONY REINFORCED WITH CORNER)



BELLEVUE MODEL - JULIETTE (FRENCH BALCONY REINFORCED WITH CORNER)

SPIDER HYBRID MODEL ON SLAB



SECTION B

DESCRIPTION

GUARDRAIL: SPIDER HYBRID MODEL - (Mechanical and Structural) ON SLAB

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-298 shoe. The glasses are fixed with an FV-195 fixing to eliminate a high rail and a handrail above the glass.

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLB-366). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, positioned on the inside to leave the upper part of the glass free, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-380. The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

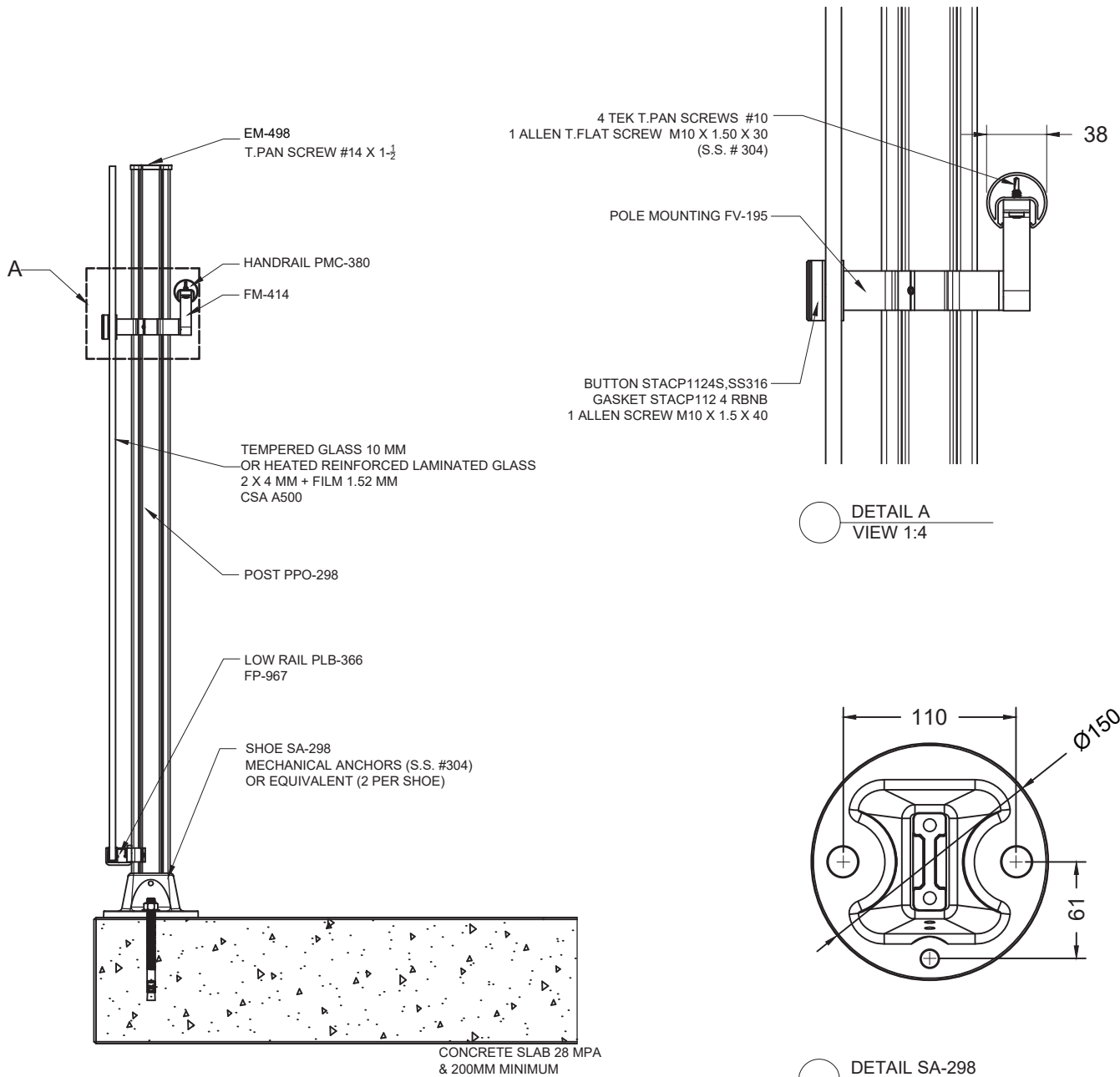
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

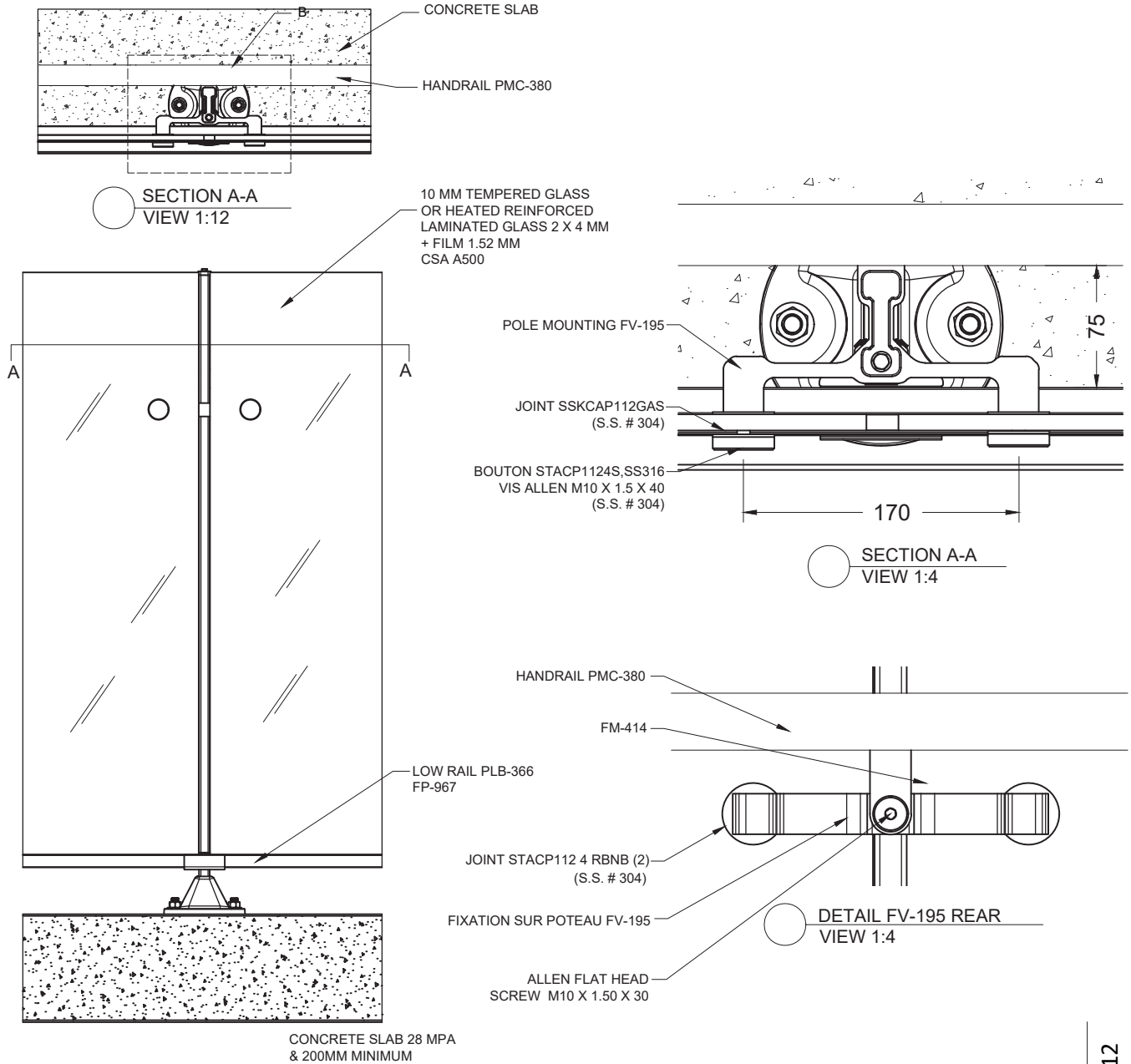
4. APPROVALS

Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



SPIDER HYBRID MODEL - ON SLAB

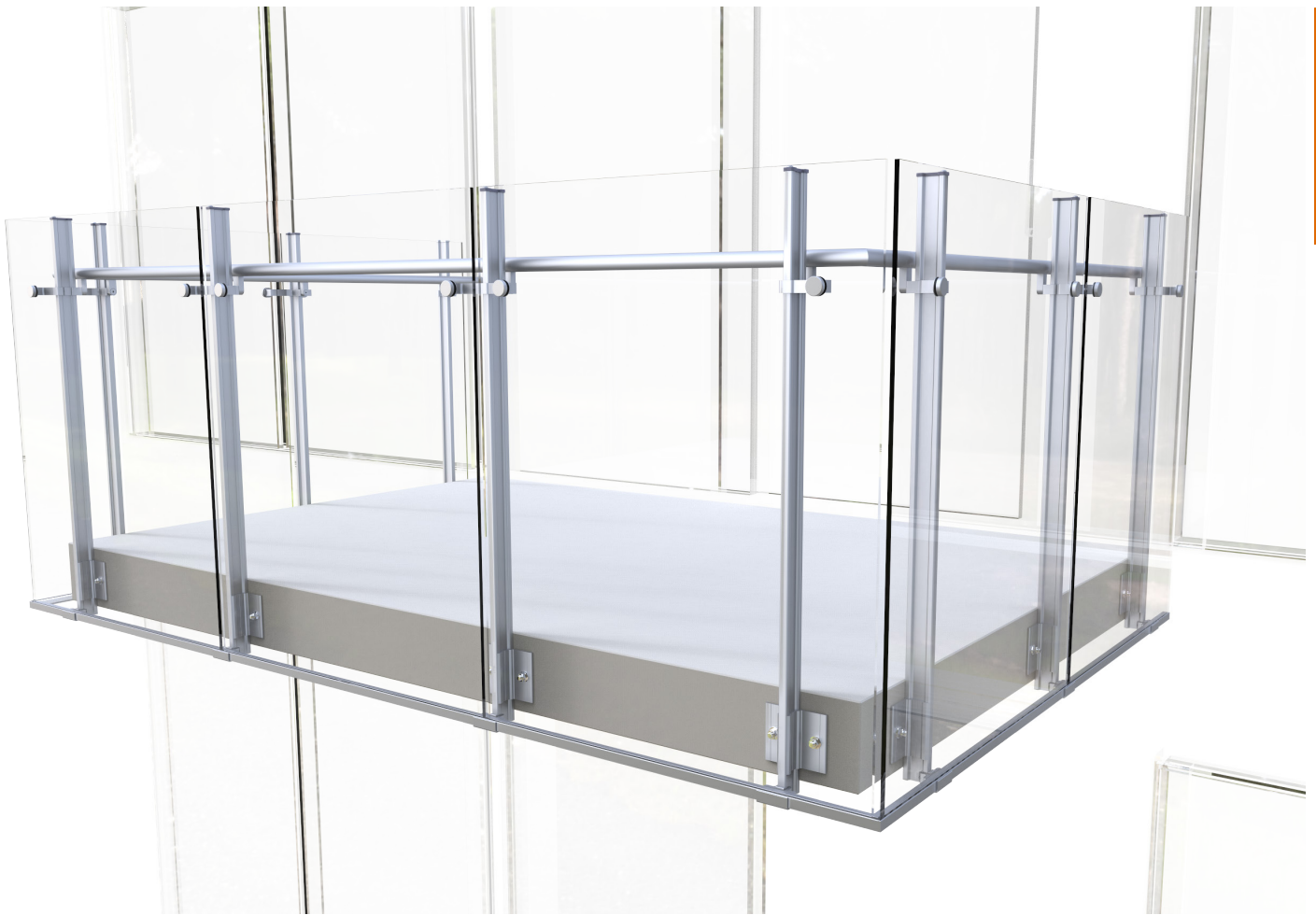


Scale : 1:12

SPIDER HYBRID MODEL - ON SLAB

SPIDER HYBRID MODEL

SLAB FRONT



SECTION B

DESCRIPTION

**GUARDRAIL: SPIDER HYBRID MODEL -
(Mechanical and Structural) SLAB FRONT**

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-087 shoe. The glasses are fixed with an FV-195 fixing to eliminate a high rail and a handrail above the glass.

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, positioned on the inside to leave the upper part of the glass free, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-380.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

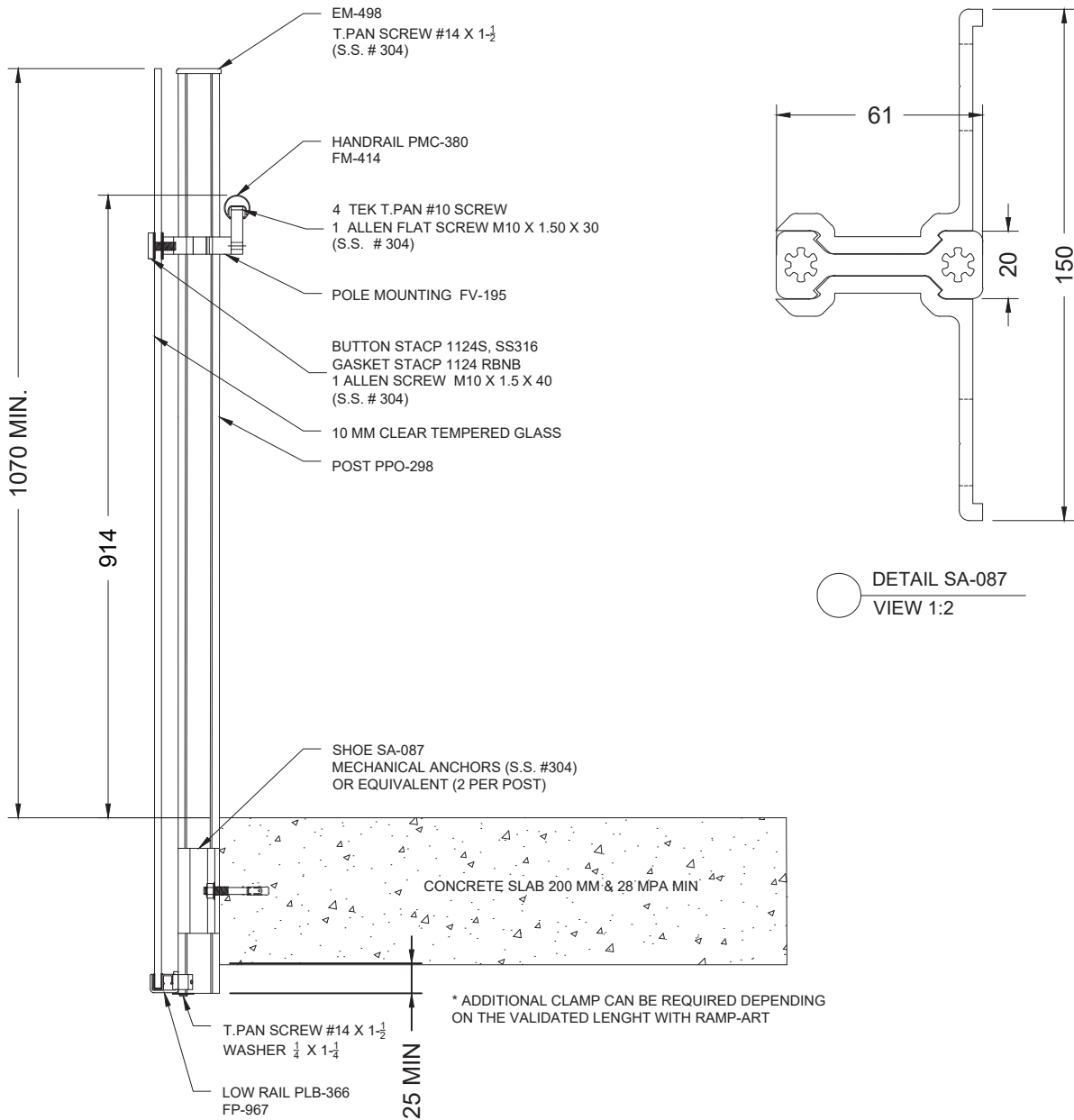
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

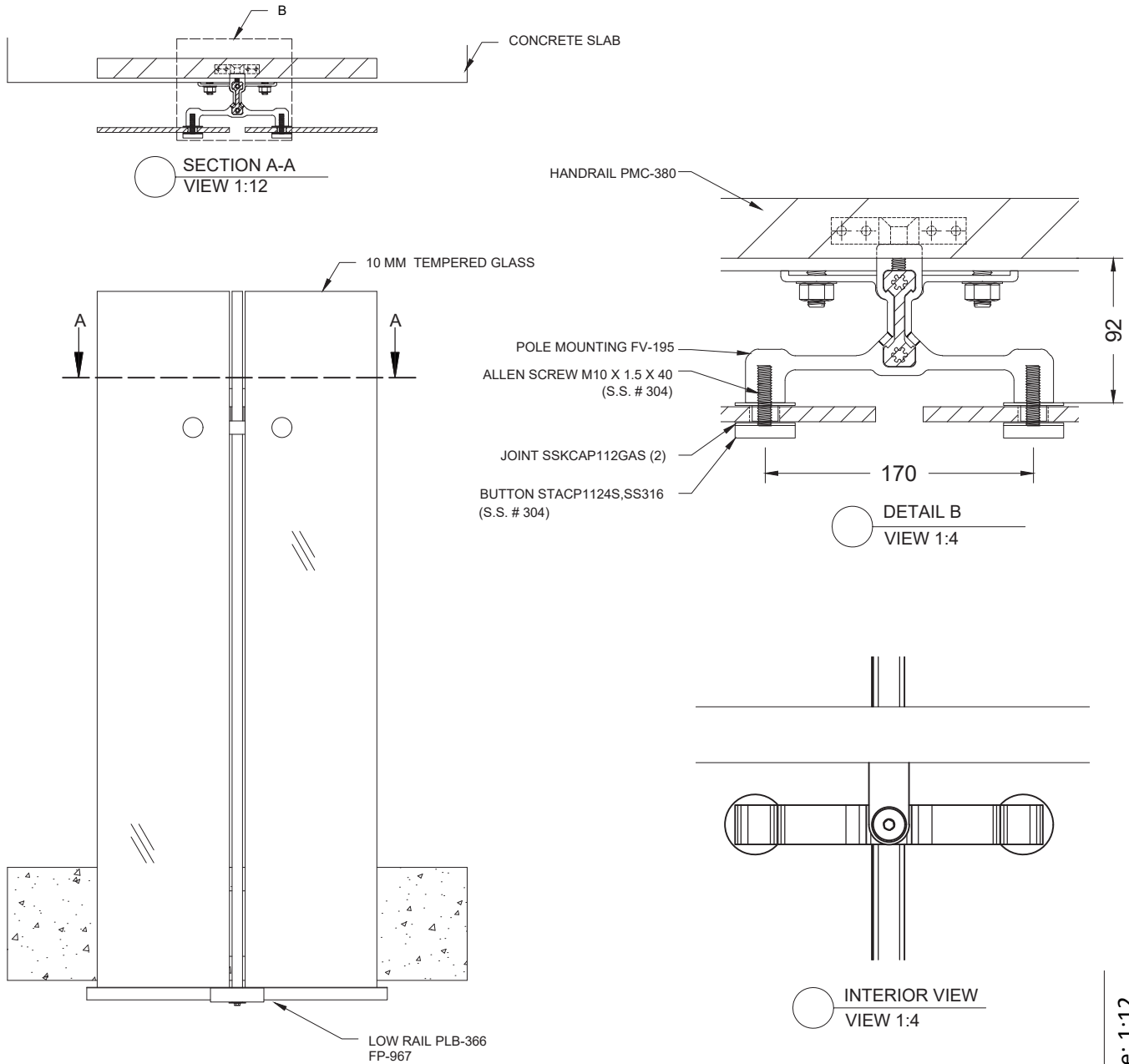
4. APPROVALS

Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



SPIDER HYBRID MODEL - SLAB FRONT

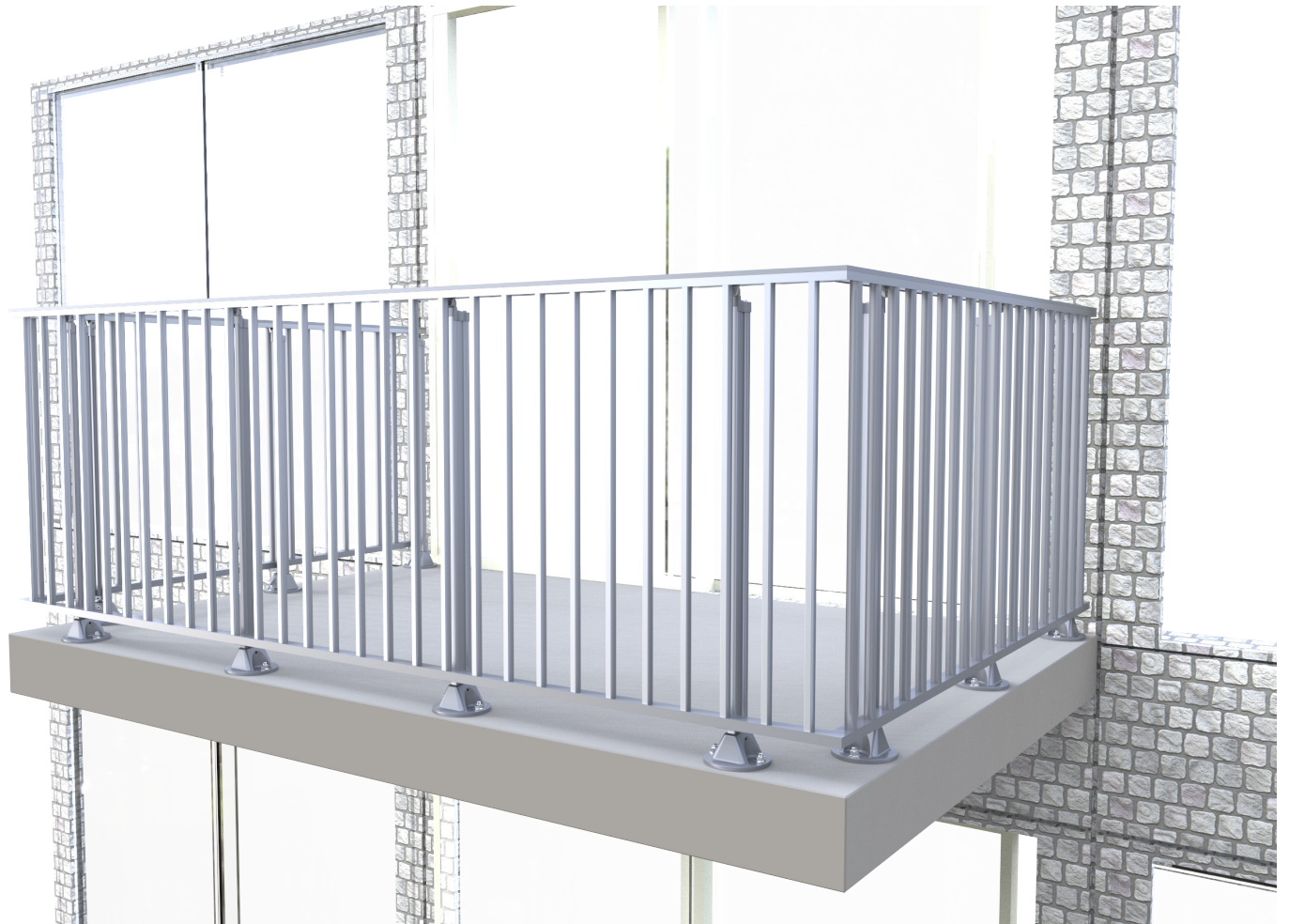


SECTION B

Scale: 1:12

SPIDER HYBRID MODEL - SLAB FRONT

CLASSIC MODEL ON SLAB ABUTMENT UNDER HANDRAIL



DESCRIPTION

**GUARDRAIL: CLASSIC MODEL - ON SLAB -
ABUTMENT UNDER HANDRAIL**

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-298 shoe.

The PBR-000 type bars are semi-rounded in shape. They are inserted into the high and low aluminum rails: PLH-311 and PLB-338. The distance between the bars is 95mm maximum c/c. The spacing is also variable to create a particular configuration while respecting 95mm or less. Example: 75mm c/c.

The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

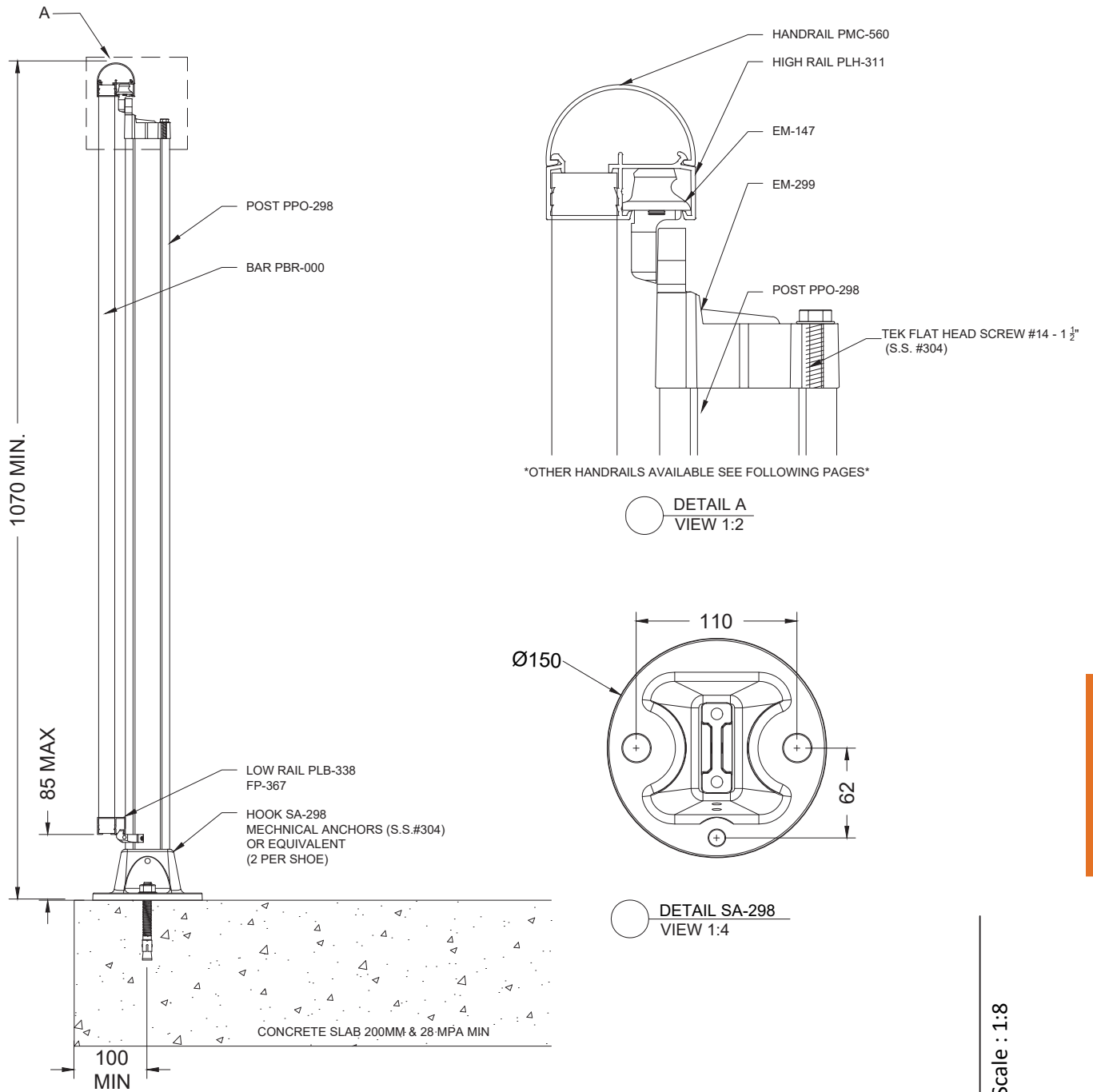
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

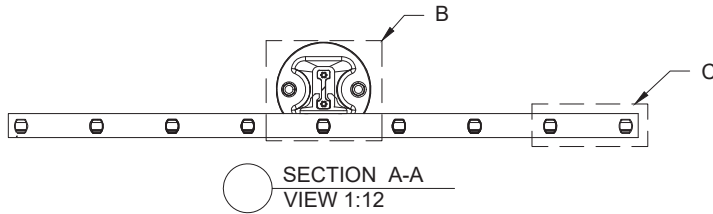
Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.

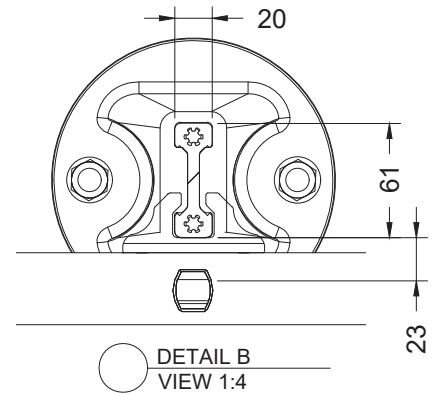
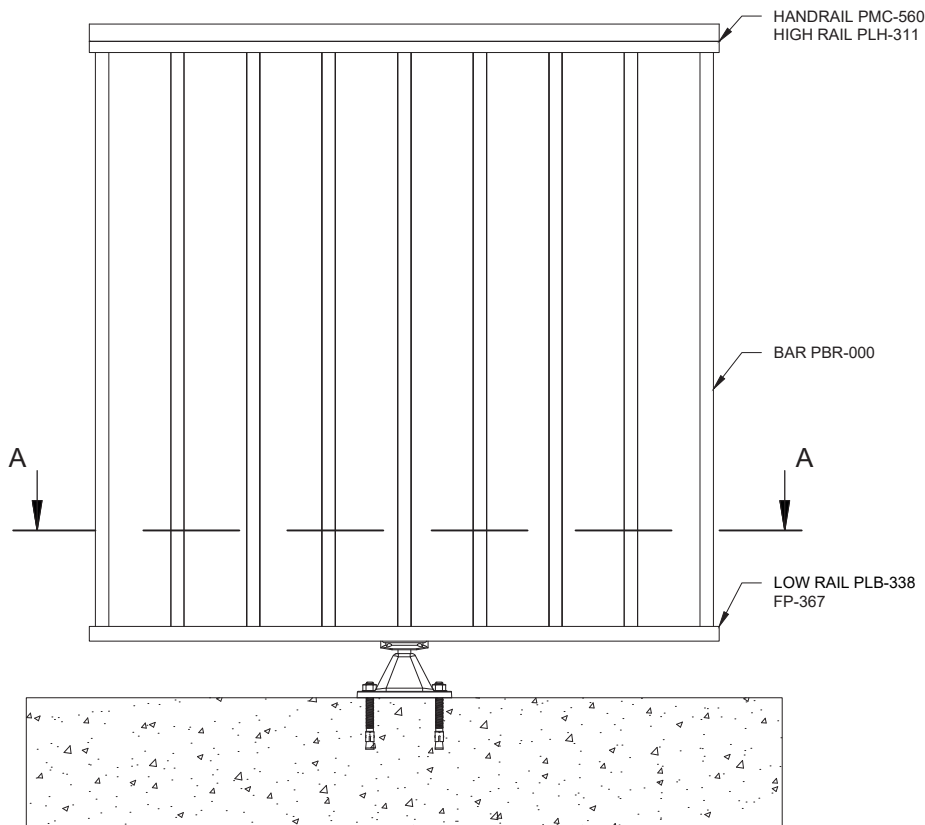
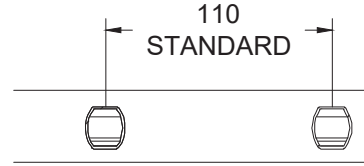


SECTION C

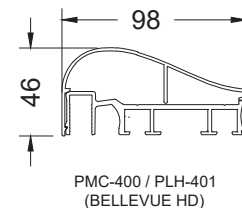
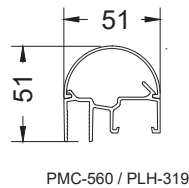
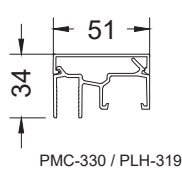
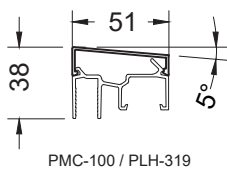
CLASSIC MODEL - ON SLAB - ABUTMENT UNDER HANDRAIL



* VARIABLE SPACING BETWEEN THE BARS,
PLEASE VALIDATE WITH RAMP-ART



SECTION C



CHOICE OF HANDRAILS

Scale : 1:12

CLASSIC MODEL - ON SLAB - ABUTMENT UNDER HANDRAIL

CLASSIC MODEL

SLAB FRONT ABUTMENT UNDER HANDRAIL



SECTION C

DESCRIPTION

**GUARDRAIL: CLASSIC MODEL - SLAB FRONT -
ABUTMENT UNDER HANDRAIL**

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-298 shoe.

The PBR-000 type bars are semi-rounded in shape. They are inserted into the high and low aluminum rails: PLH-311 and PLB-338. The distance between the bars is 95mm maximum c/c. The spacing is also variable to create a particular configuration while respecting 95mm or less. Example: 75mm c/c.

The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

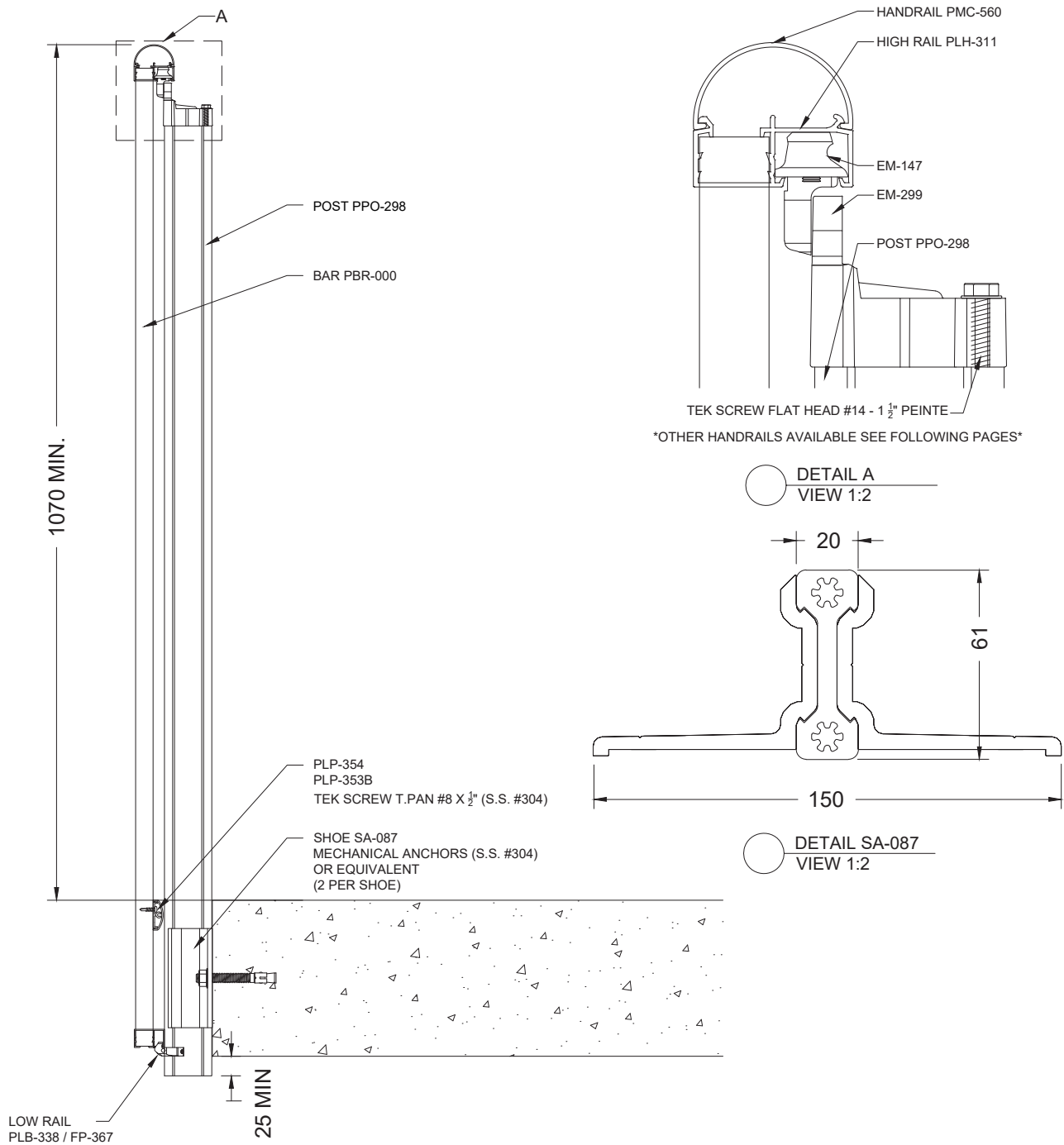
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

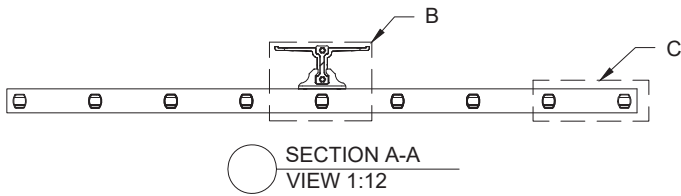
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



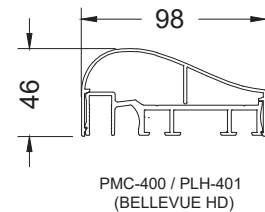
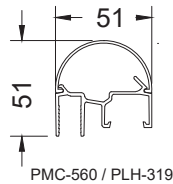
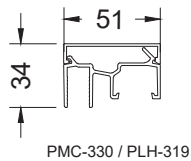
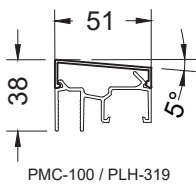
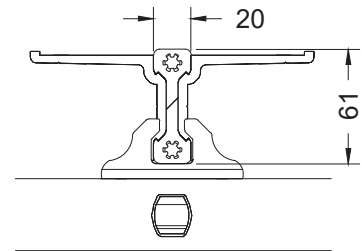
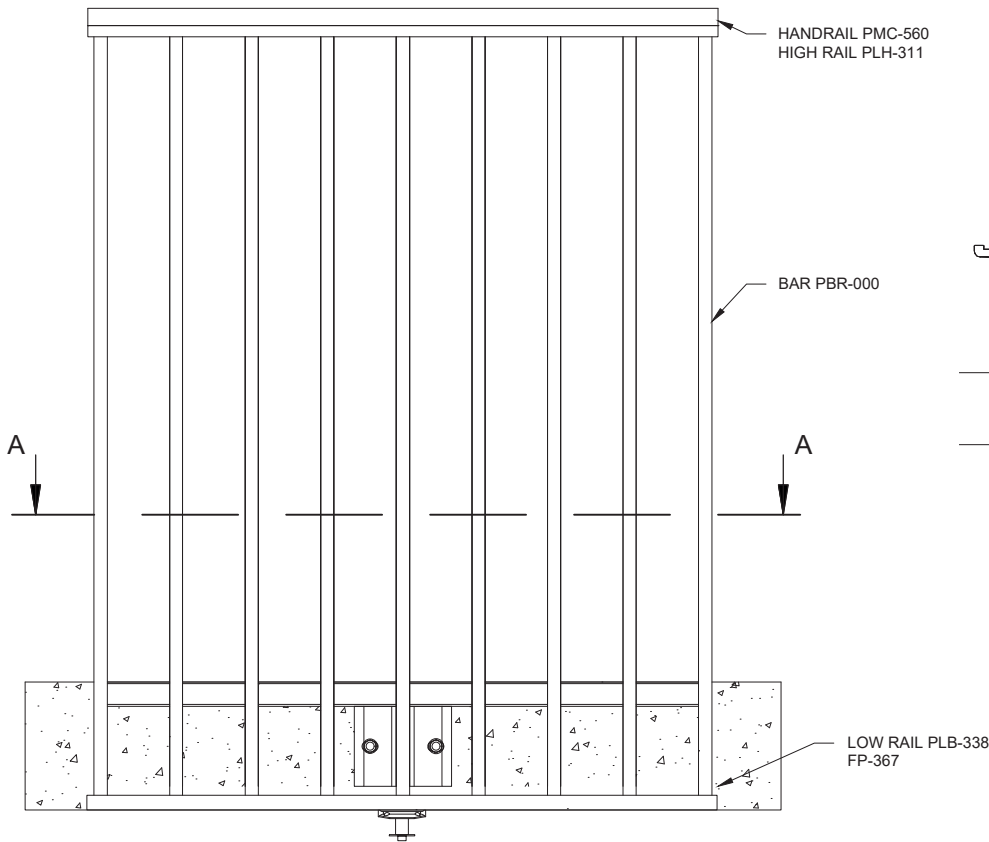
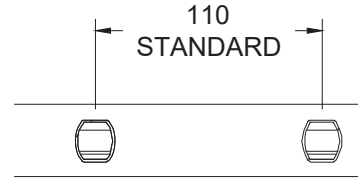
SECTION C

Scale : 1:8

CLASSIC MODEL - SLAB FRONT - ABUTMENT UNDER HANDRAIL



* VARIABLE SPACING BETWEEN THE BARS,
PLEASE VALIDATE WITH RAMP-ART



CHOICE OF HANDRAILS

CLASSIC MODEL - SLAB FRONT - ABUTMENT UNDER HANDRAIL

SECTION C

Scale : 1:12

BLADE SYSTEM MODEL ON SLAB ABUTMENT UNDER HANDRAIL



SECTION D

DESCRIPTION

GUARDRAIL: BLADE SYSTEM MODEL ON SLAB - ABUTMENT UNDER HANDRAIL

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-298 shoe.

The PBR-002 type bars are rectangular in shape. They are attached to the multipurpose rails PLP- 001. The distance between the bars is 95mm maximum c/c.

The handrail, of your choice will be delivered and installed at a length upto a maximum of 2.9m long: PMC - 330

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

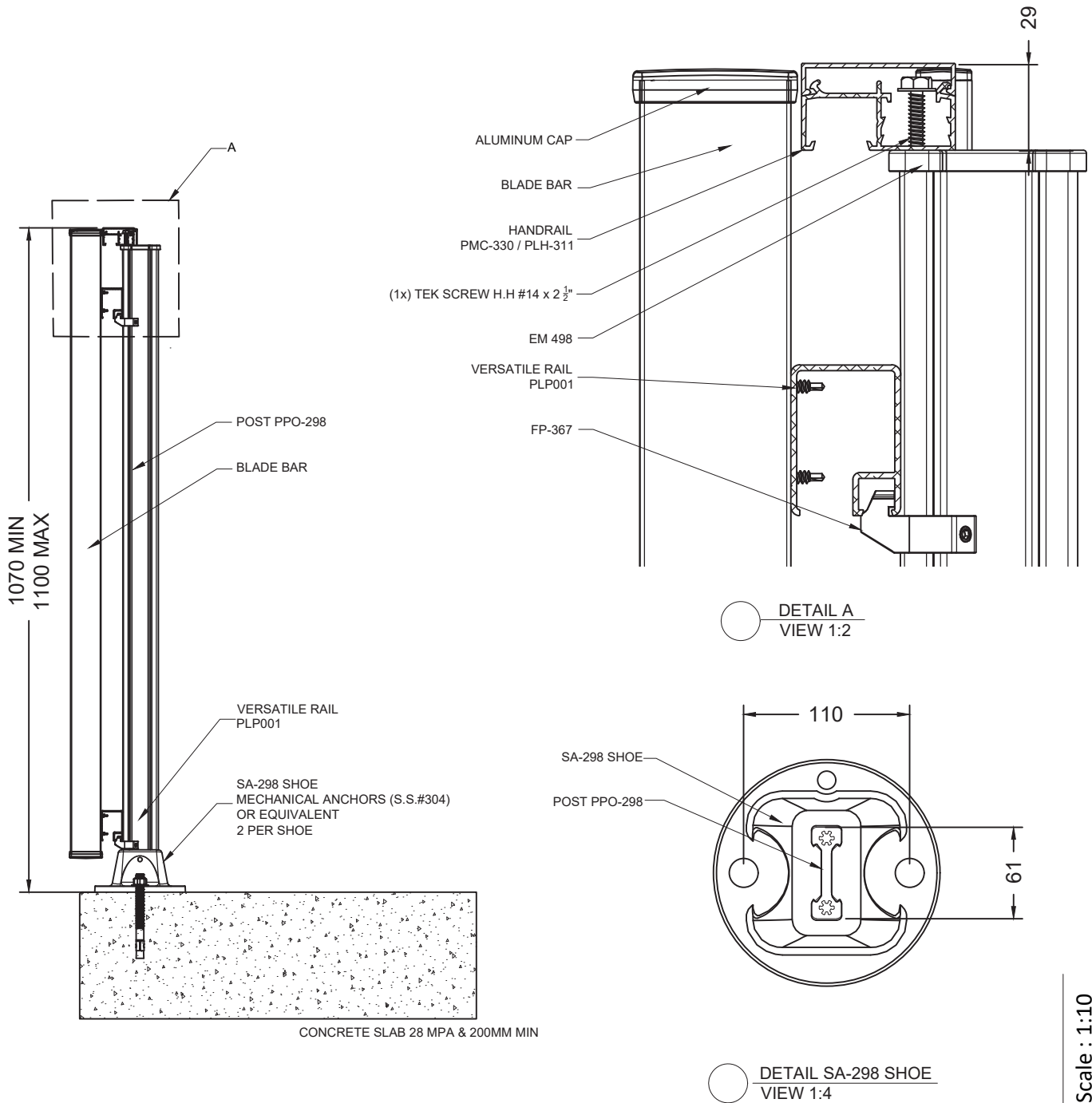
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

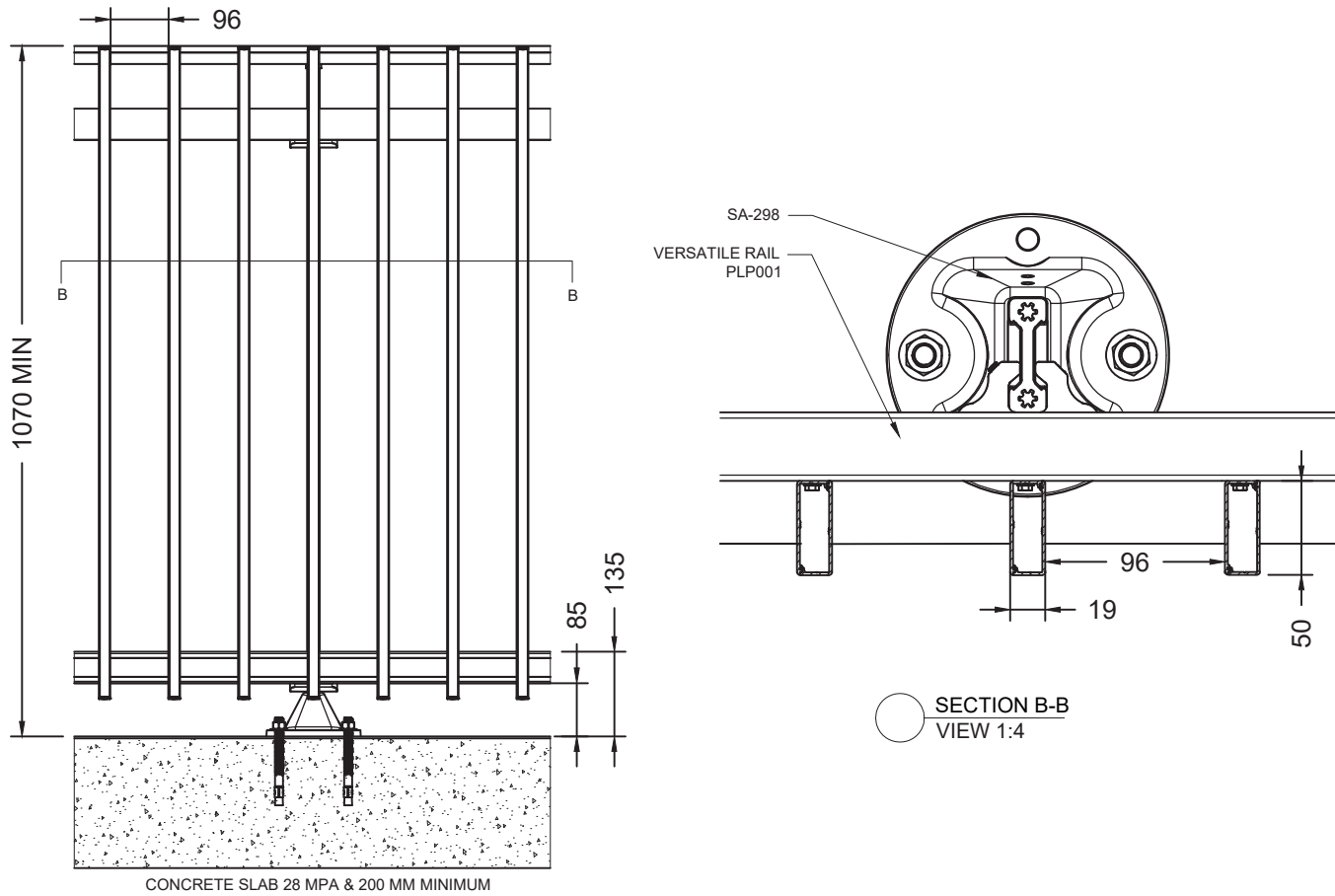
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



SECTION D

Scale : 1:10

BLADE SYSTEM MODEL - ON SLAB - ABUTMENT UNDER HANDRAIL



CHOICE OF HANDRAIL

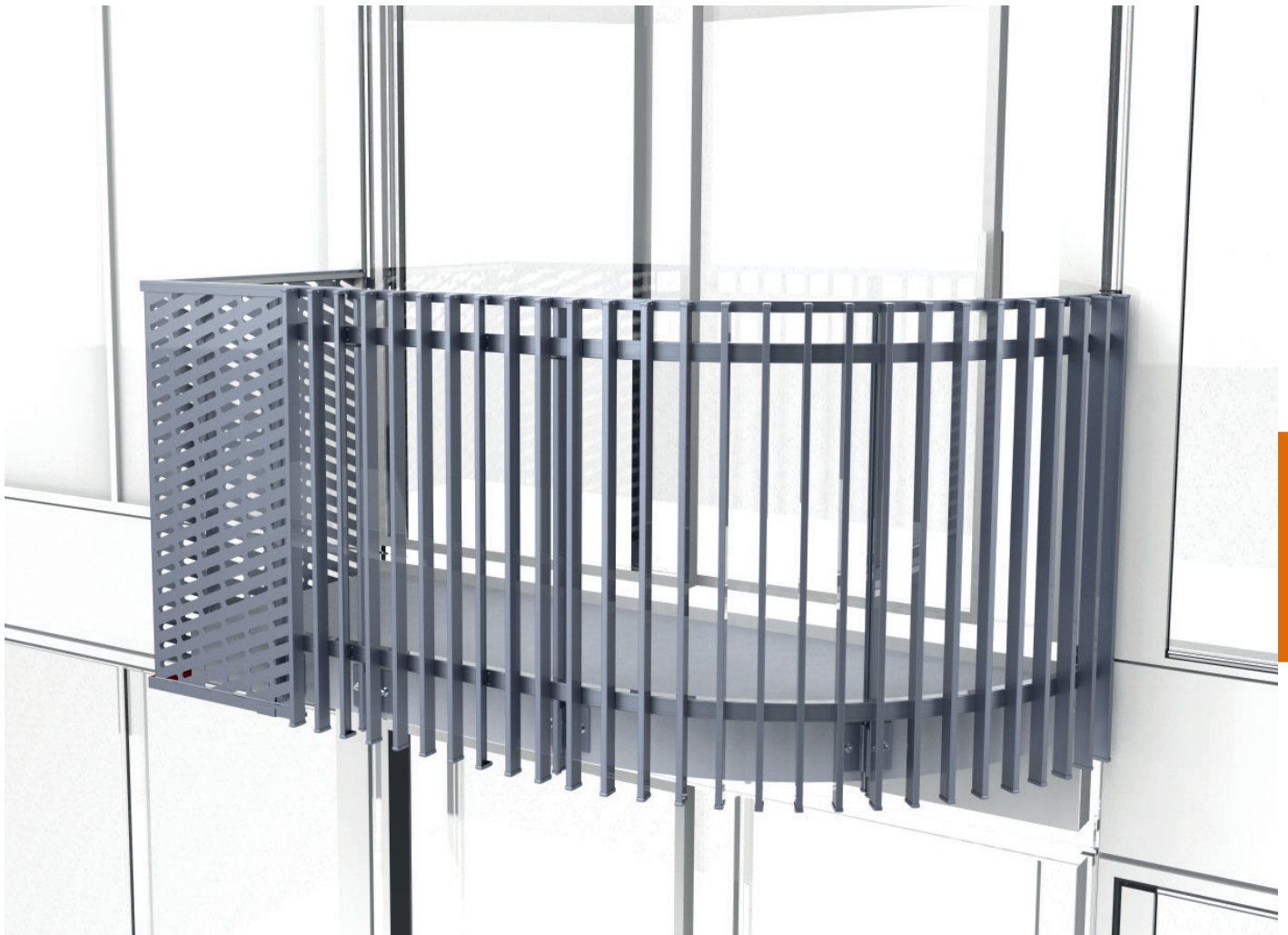
BLADE SYSTEM MODEL - ON SLAB - ABUTMENT UNDER HANDRAIL

Scale : 1:12

SECTION D

BLADE SYSTEM MODEL

SLAB FRONT - CURVED



SECTION D

DESCRIPTION

GUARDRAIL: BLADE SYSTEM MODEL - SLAB FRONT - CURVED

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-087 shoe.

The PBR-002 type bars are rectangular in shape. They are attached to the multipurpose rails PLP-001. The distance between the bars is 95mm maximum c/c. The spacing is also variable to create a particular configuration while respecting 95mm or less.

The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-330. The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

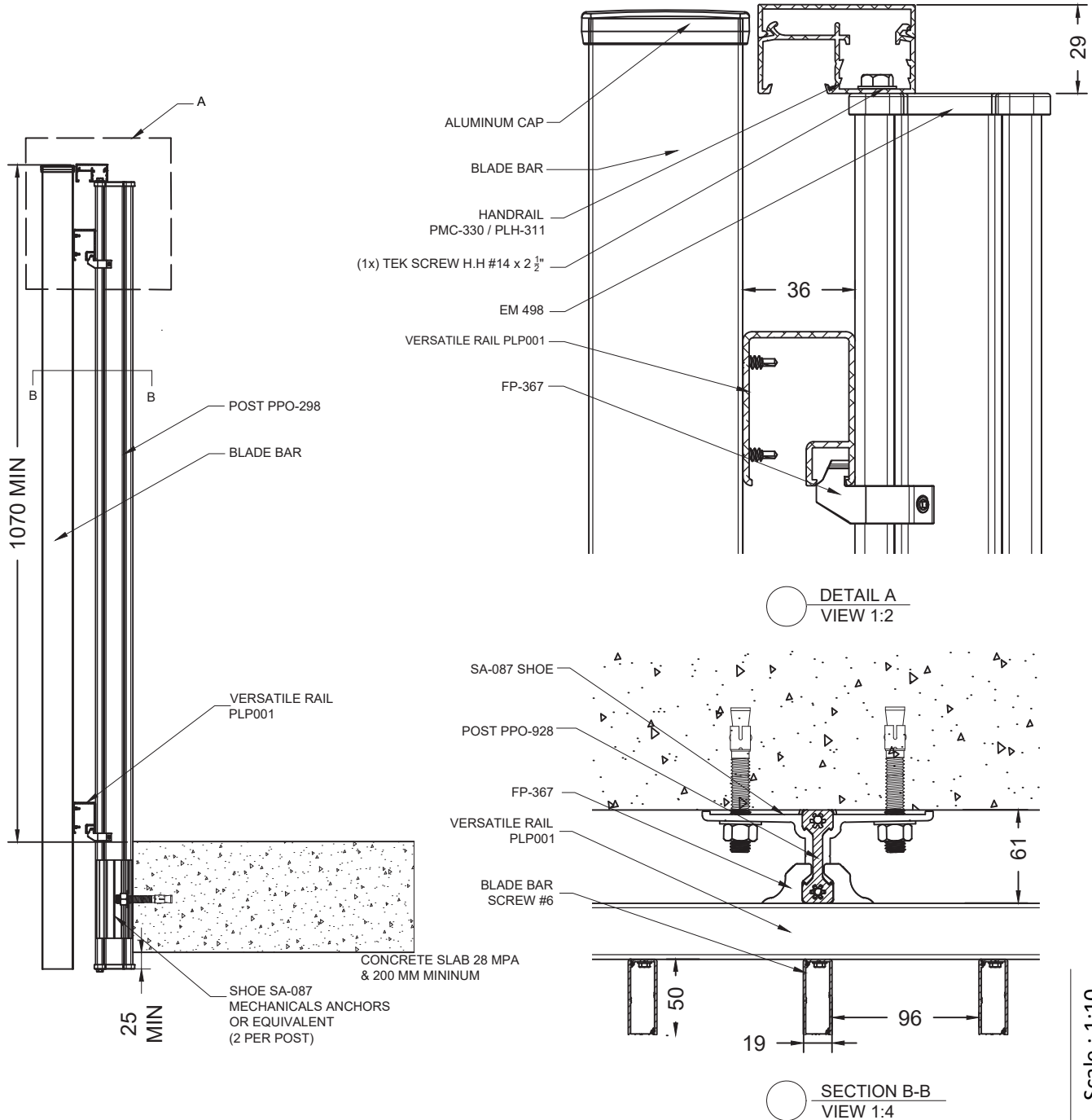
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

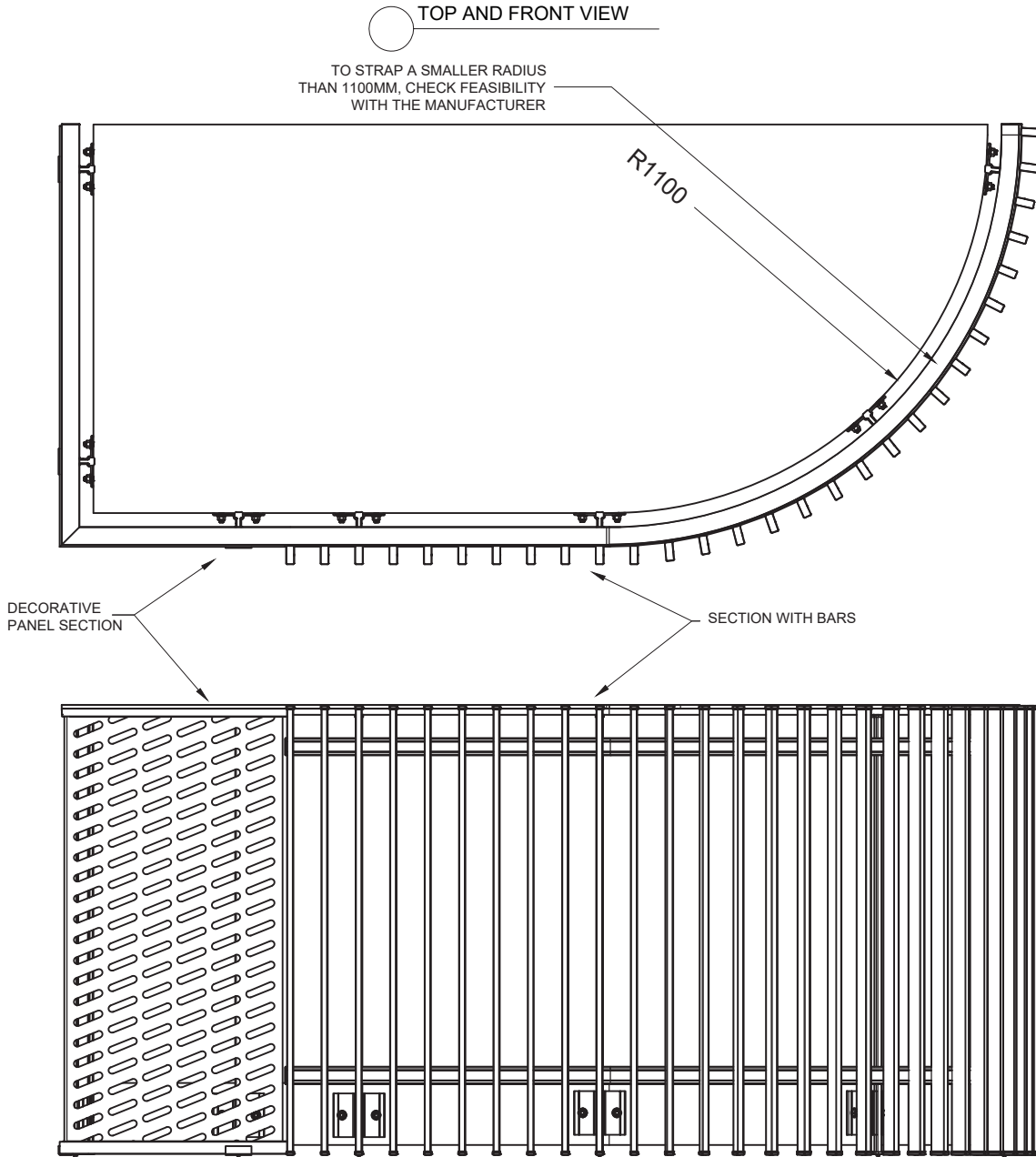
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



SECTION D

Scale : 1:10

BLADE SYSTEM MODEL - SLAB FRONT - CURVED



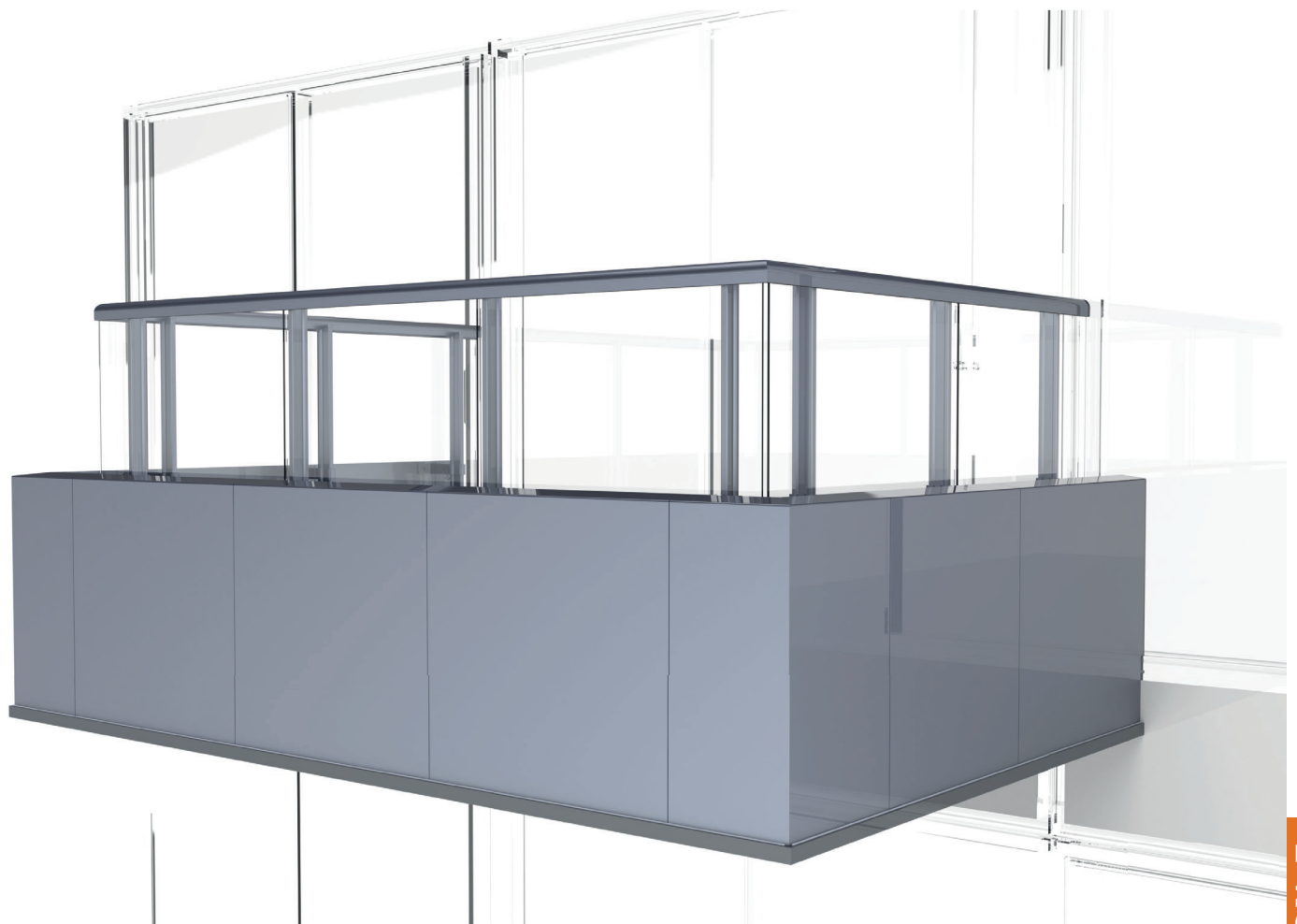
Scale : 1:20

SECTION D

BLADE SYSTEM MODEL - SLAB FRONT - CURVED

DECORATIVE PANEL MODEL

ON SLAB FIXED AT 150MM AND
DECORATIVE SLAB COVER PANELS



SECTION E

DESCRIPTION

GUARDRAIL: DECORATIVE PANEL MODEL - ON SLAB -
FIXED AT 150mm AND DECORATIVE SLAB COVER PANELS

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-298 shoe.

Folded aluminum panel is fixed on post with a modified A-065. The bottom of the panel is fixed with a modified SA-BA and a low rail PLB-369.

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369). Other types of filling are also available, such as solid or perforated aluminum sheet. The handrail, of your choice, will be delivered and installed at a length up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

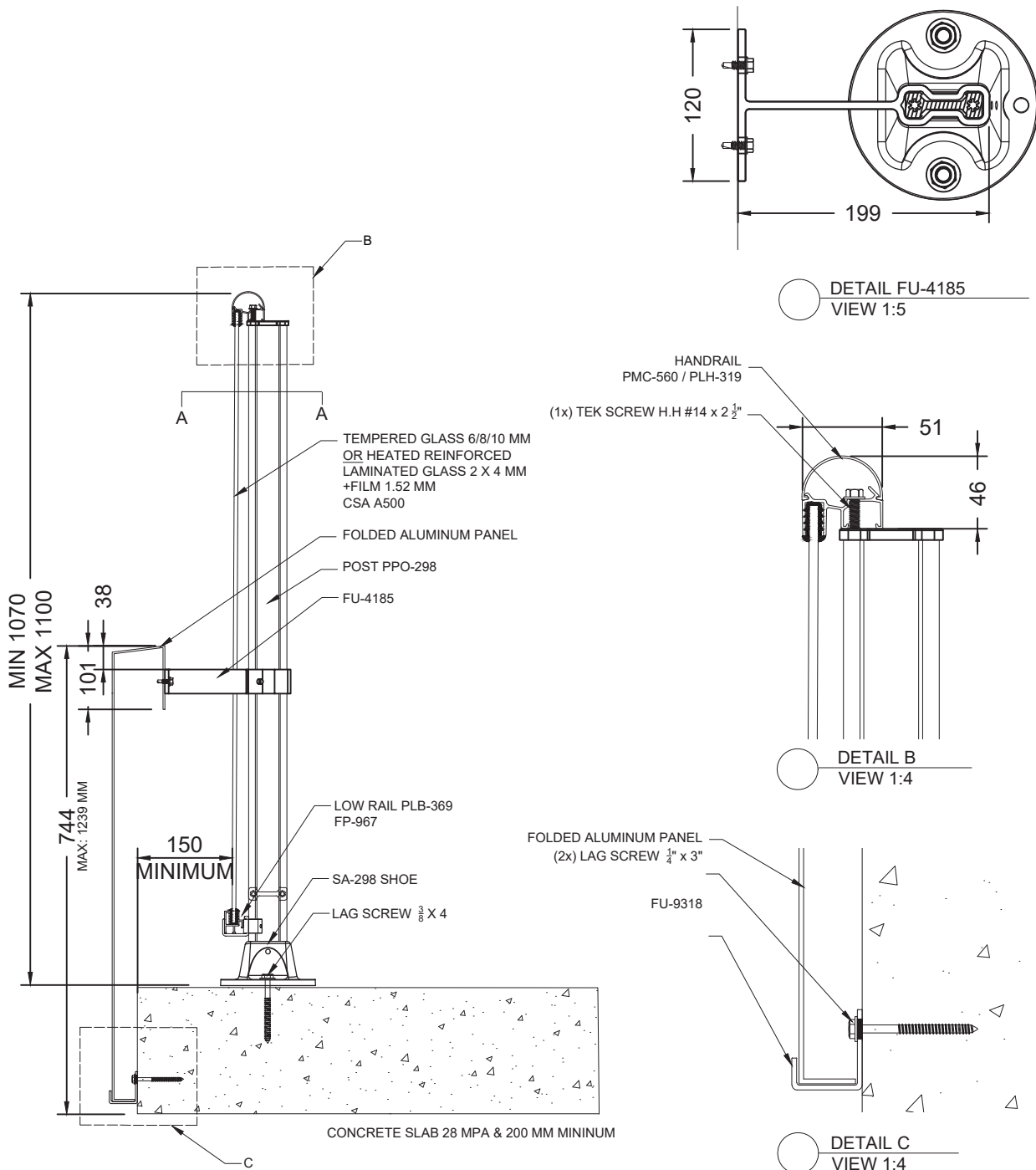
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

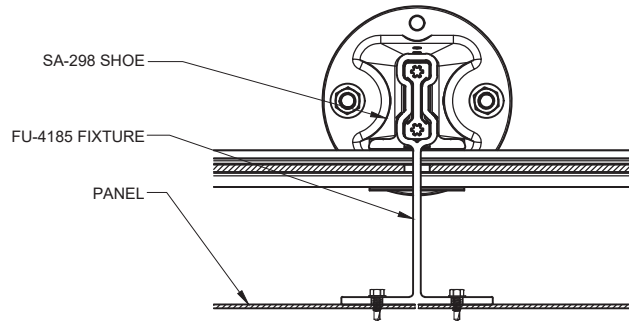
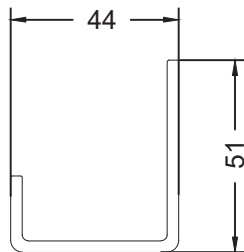
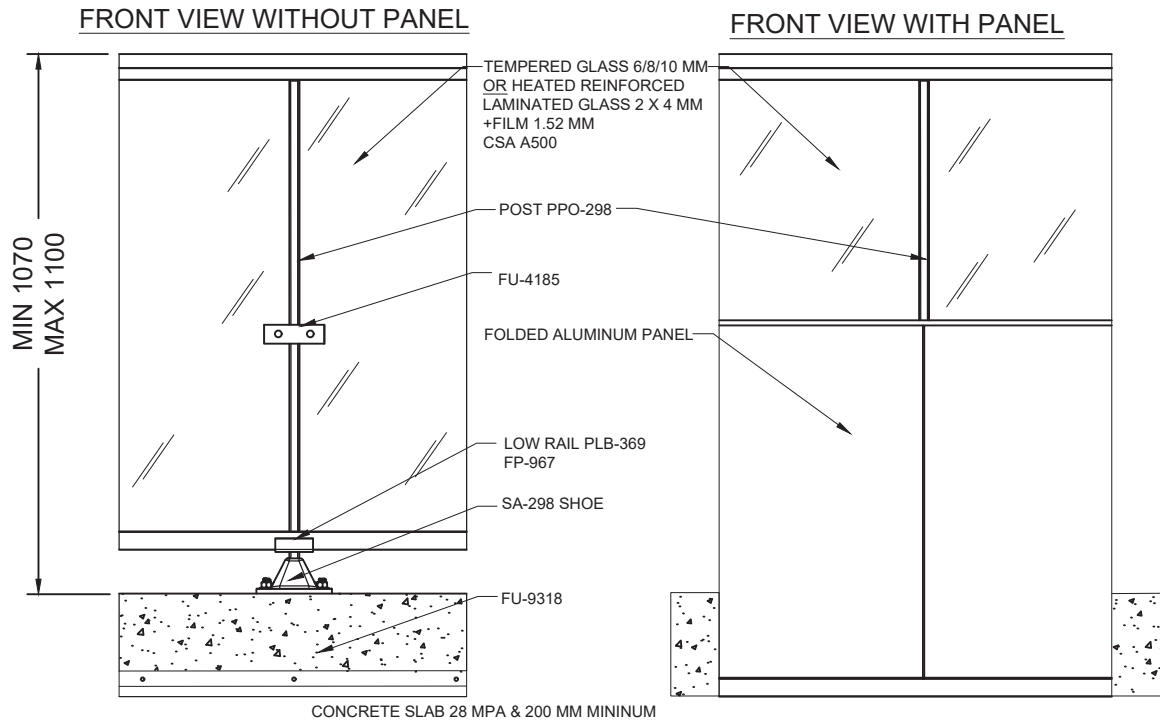
Shop drawings will be submitted for approval by engineers.

The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



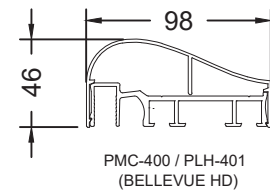
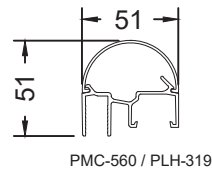
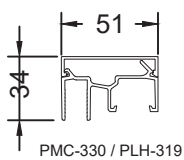
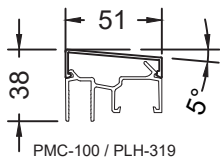
DECORATIVE PANEL MODEL - ON SLAB

Scale : 1:10



○ DETAIL FU-9318
VIEW 1:2

○ DETAIL FU-4185
VIEW 1:6



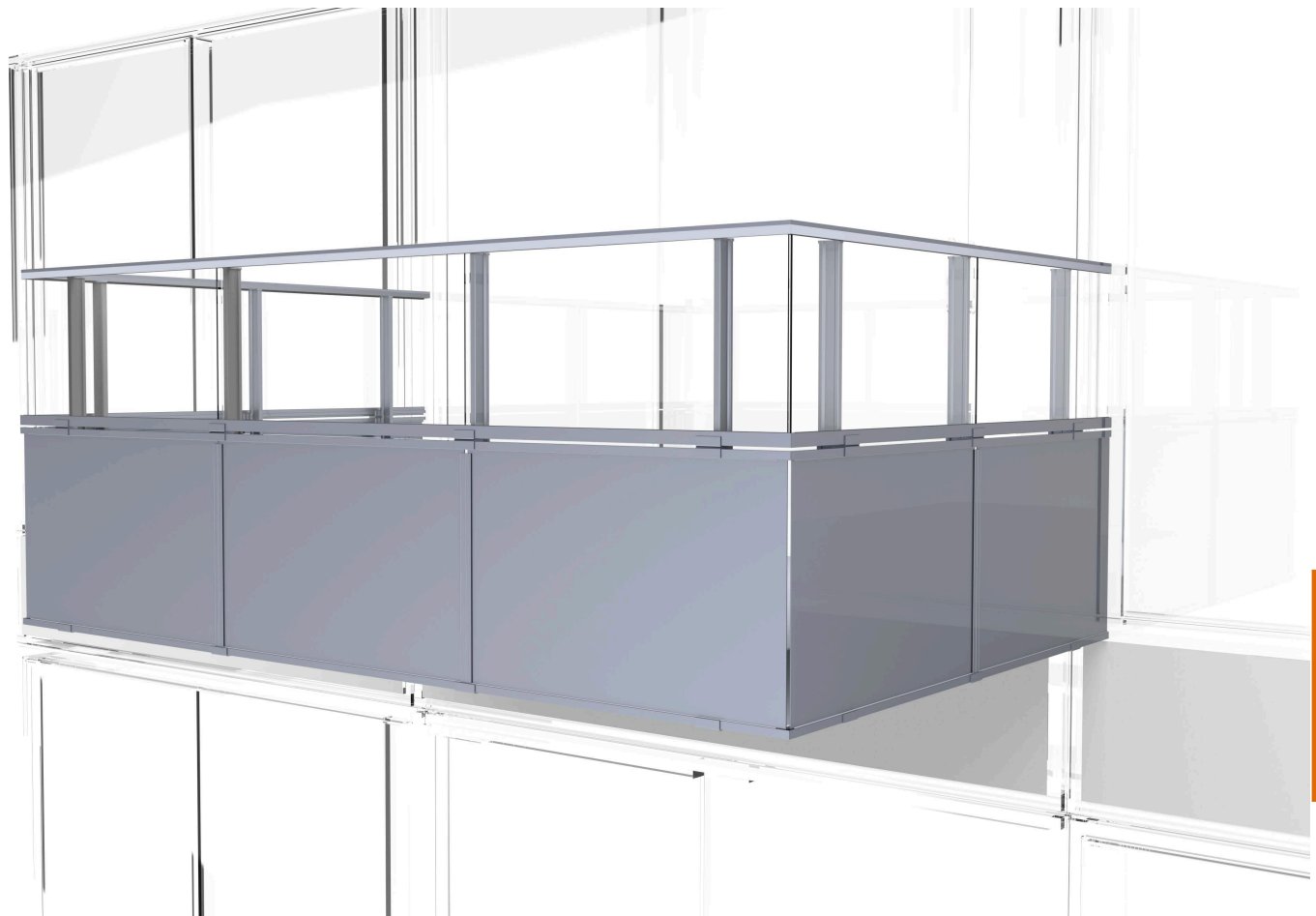
CHOICE OF HANDRAILS

Scale : 1:15

DECORATIVE PANEL MODEL - ON SLAB

DOUBLE FILLING MODEL

SLAB FRONT WITH GLASS AND ALUMINUM PANELS



SECTION F

DESCRIPTION

GUARDRAIL: DOUBLE FILLING MODEL - SLAB FRONT -
WITH GLASS AND ALUMINUM PANELS

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The guardrail is made of aluminum extrusions of 6063-T5/T6 alloy.

The PPO-298 support post is extruded from a high strength aluminum alloy, with superior mechanical characteristics, assembled with an SA-087 shoe.

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings using a flexible vinyl filling (glass framing rails: PLH-319 and PLB-369).

The aluminum panel is assembled with an upper rail PLP-367 and lower rail PLB-366.

The handrail, of your choice, will be delivered and installed at a length of up to a maximum of 2.9m long: PMC-100 – PMC-330 – PMC-560 – PMC-400.

The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art guardrails are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions.

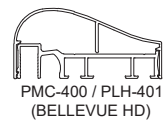
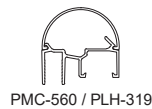
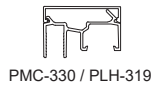
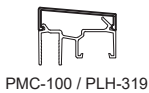
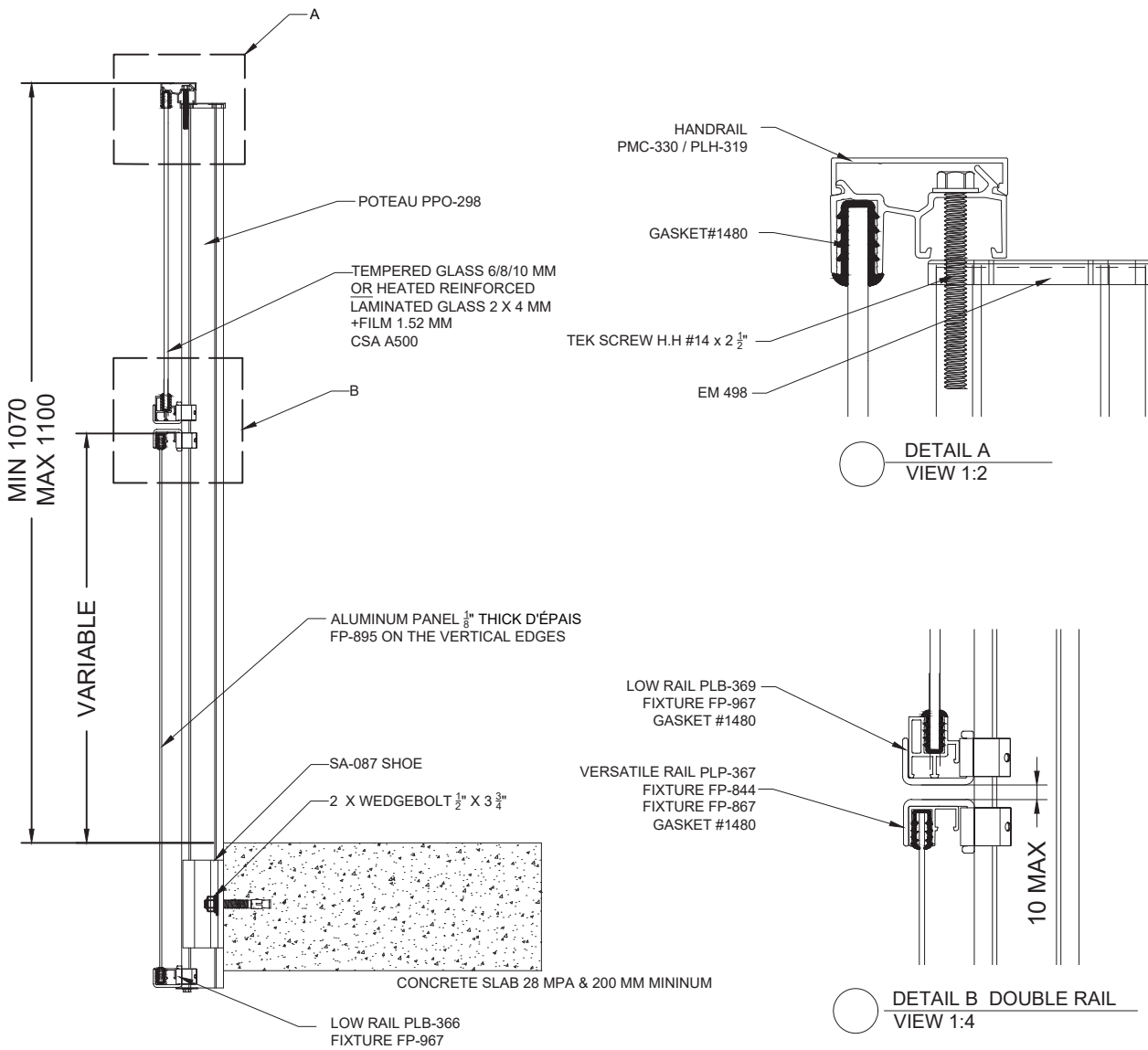
The finished height of the guardrail is 1070 mm minimum.

The spacing between each PPO-298 support post is determined by the maximum allowable surface area of the glass. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.

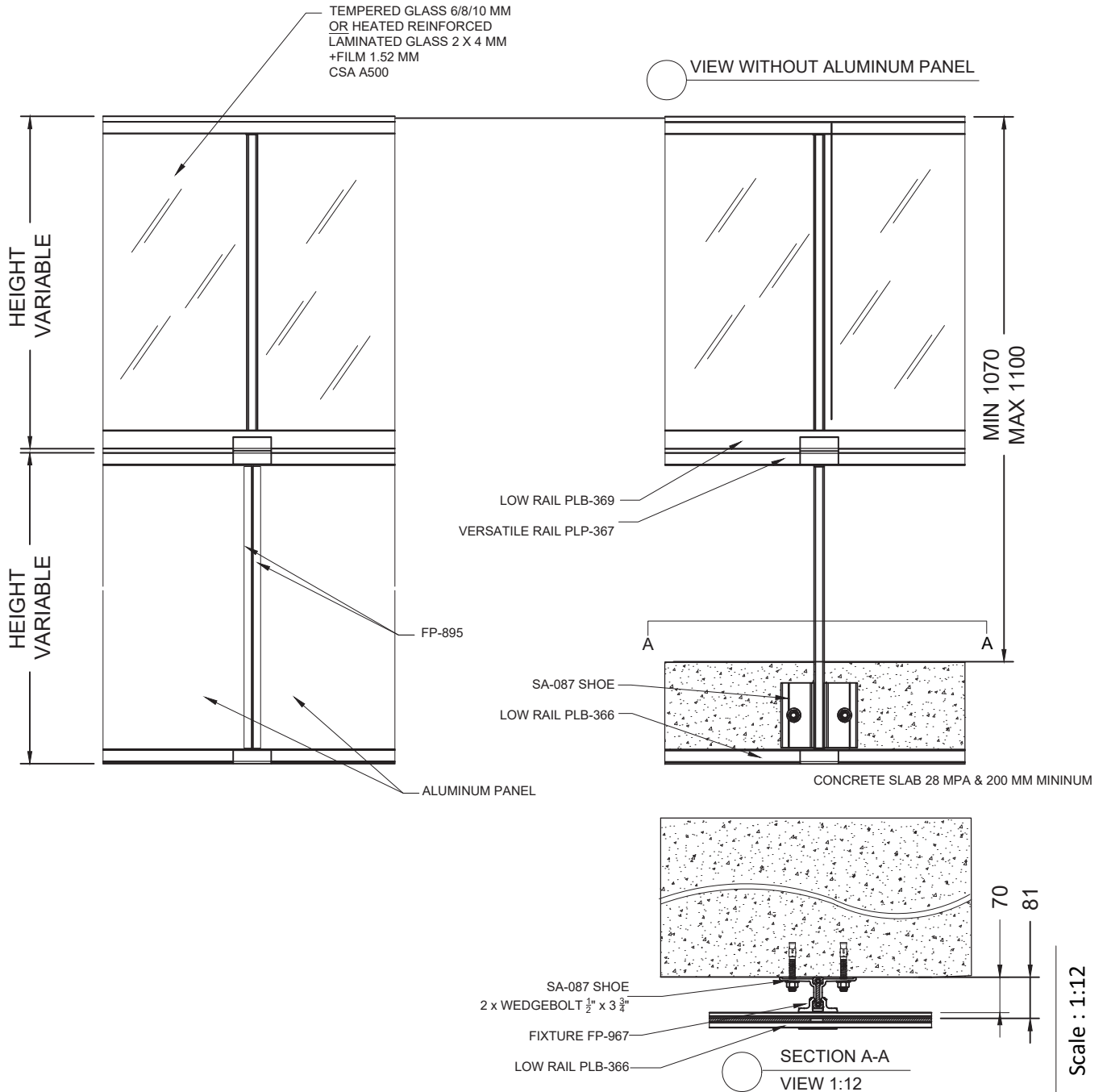
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



CHOICE OF HANDRAILS

Scale : 1:10

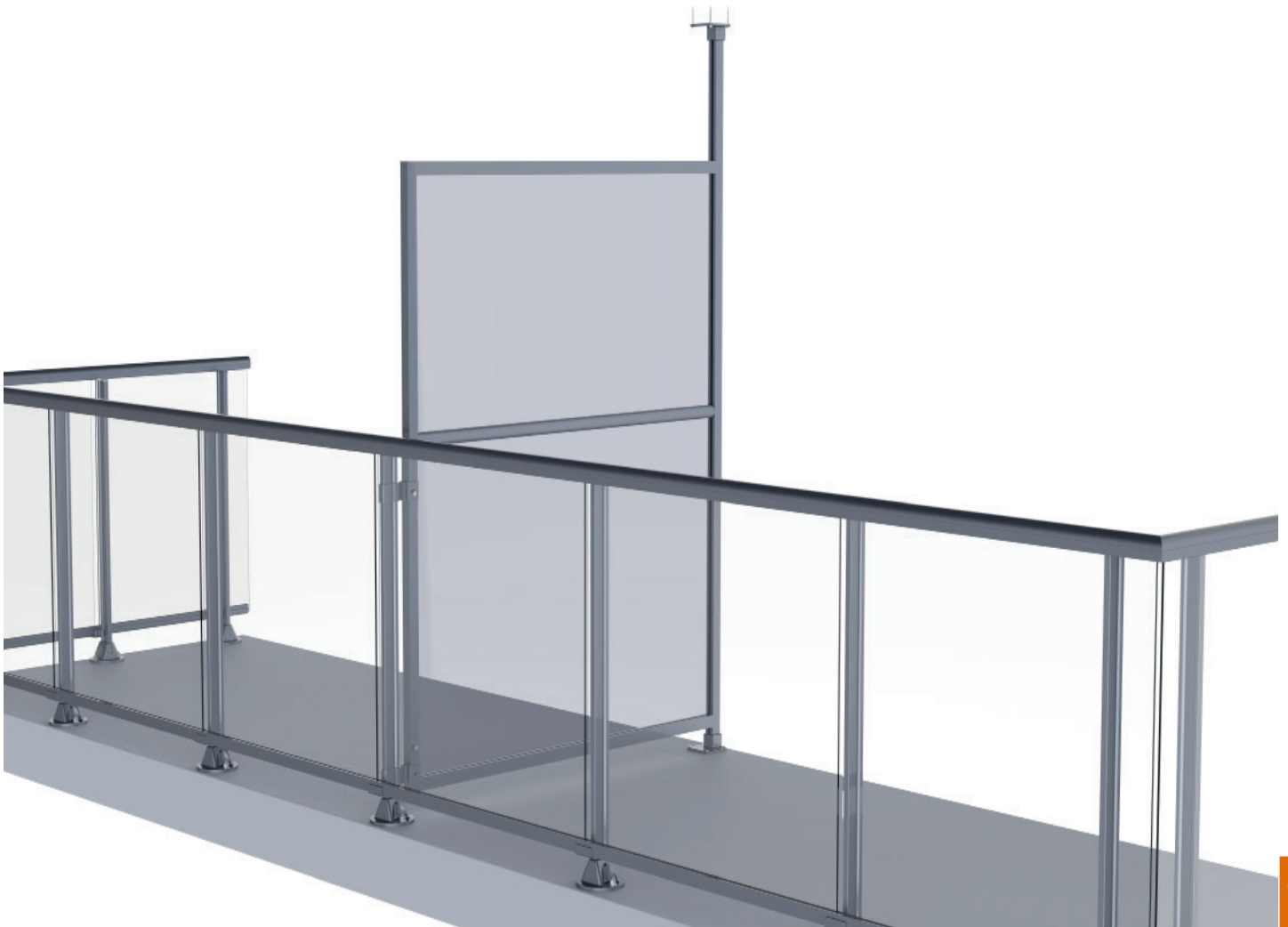
DOUBLE FILLING MODEL - SLAB FRONT - WITH GLASS AND ALUMINUM PANEL



DOUBLE FILLING MODEL - SLAB FRONT - WITH GLASS AND ALUMINUM PANEL

SEPARATOR SCREEN

STANDARD MODEL - TEMPERED GLASS



SECTION G

DESCRIPTION

SEPARATOR SCREEN: STANDARD MODEL - TEMPERED GLASS

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The separator screen is made of aluminum extrusions of 6063-T5/T6 alloy. The screen frame (PEC-910) is fixed to the support post PPO-298, using the screen support FP-038. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings of the PEC-910 frame using a flexible vinyl filling. Other types of filling are also available, such as a solid or perforated aluminum sheet. The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

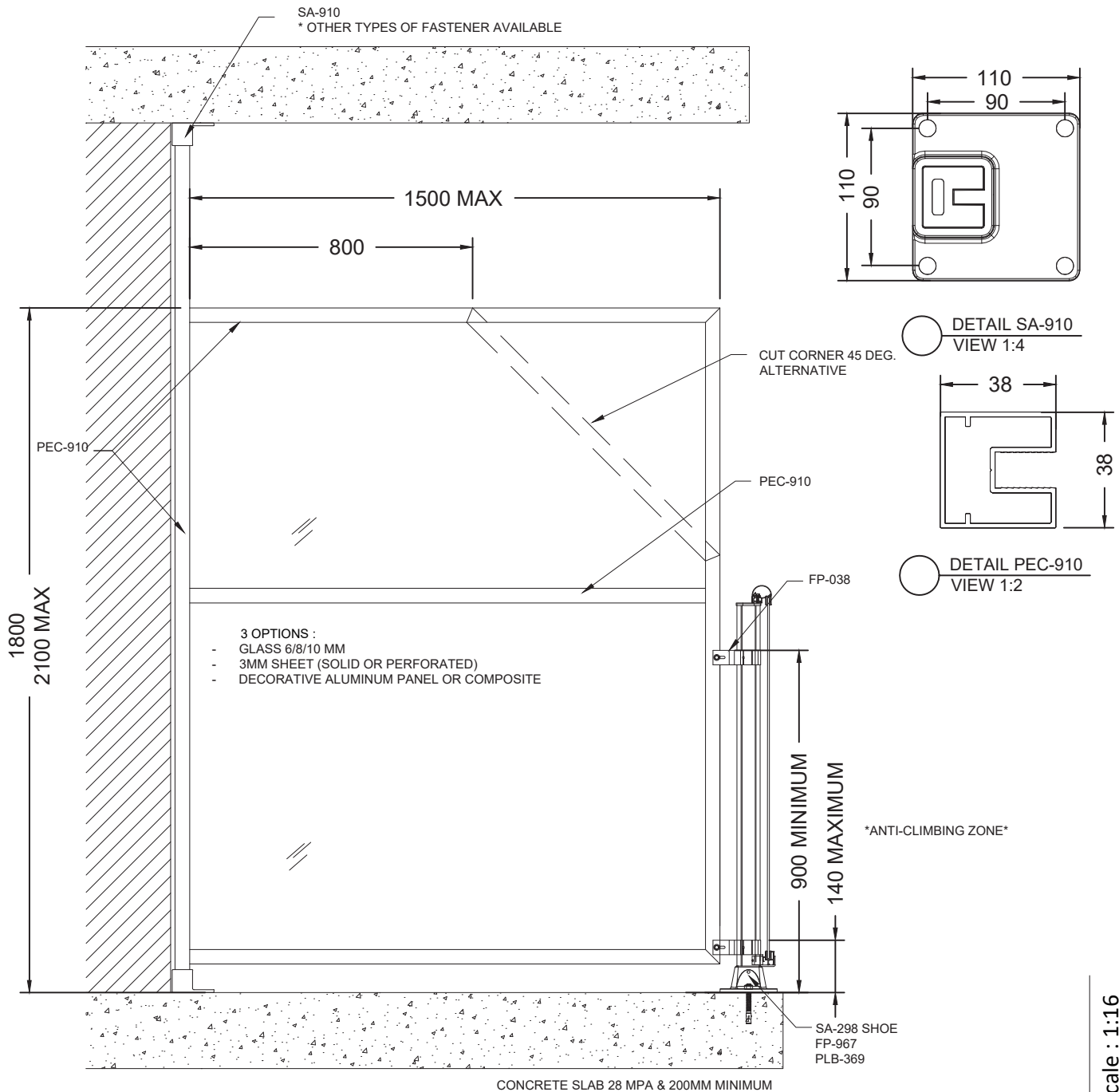
All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art separator screens are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

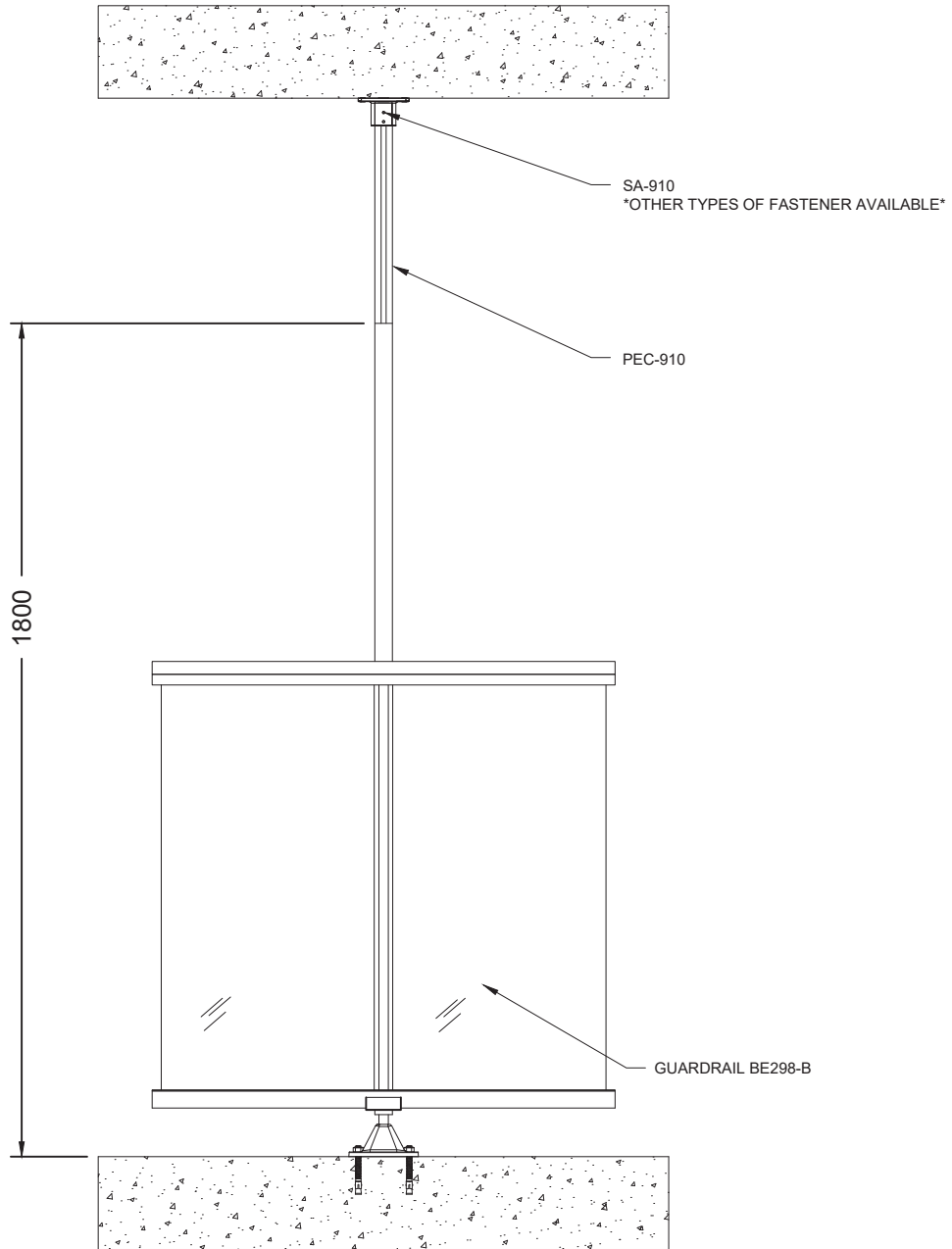
4. APPROVALS

Shop drawings will be submitted for approval by engineers.
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



SEPARATOR SCREEN - STANDARD MODEL - TEMPERED GLASS

Scale : 1:16



ELEVATION

Scale : 1:16

SEPARATOR SCREEN - STANDARD MODEL - TEMPERED GLASS

SEPARATOR SCREEN

HIGH CAPACITY



SECTION G

DESCRIPTION

SEPARATOR SCREEN: HIGH CAPACITY MODEL

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The separator screen is made of aluminum extrusions of 6063-T5/T6 alloy. The screen frame is made up of a PEC-910 profile and is attached to a PPO-230 support post from slab to slab with an SA-230 and a PEC-910 shoe, fixed with an SA-910 shoe. In addition, certain sections are attached to a Heavy Duty (HD) type support post.

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings of the PEC-910 frame using a flexible vinyl filling. Other types of filling are also available, such as a solid or perforated aluminum sheet. The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

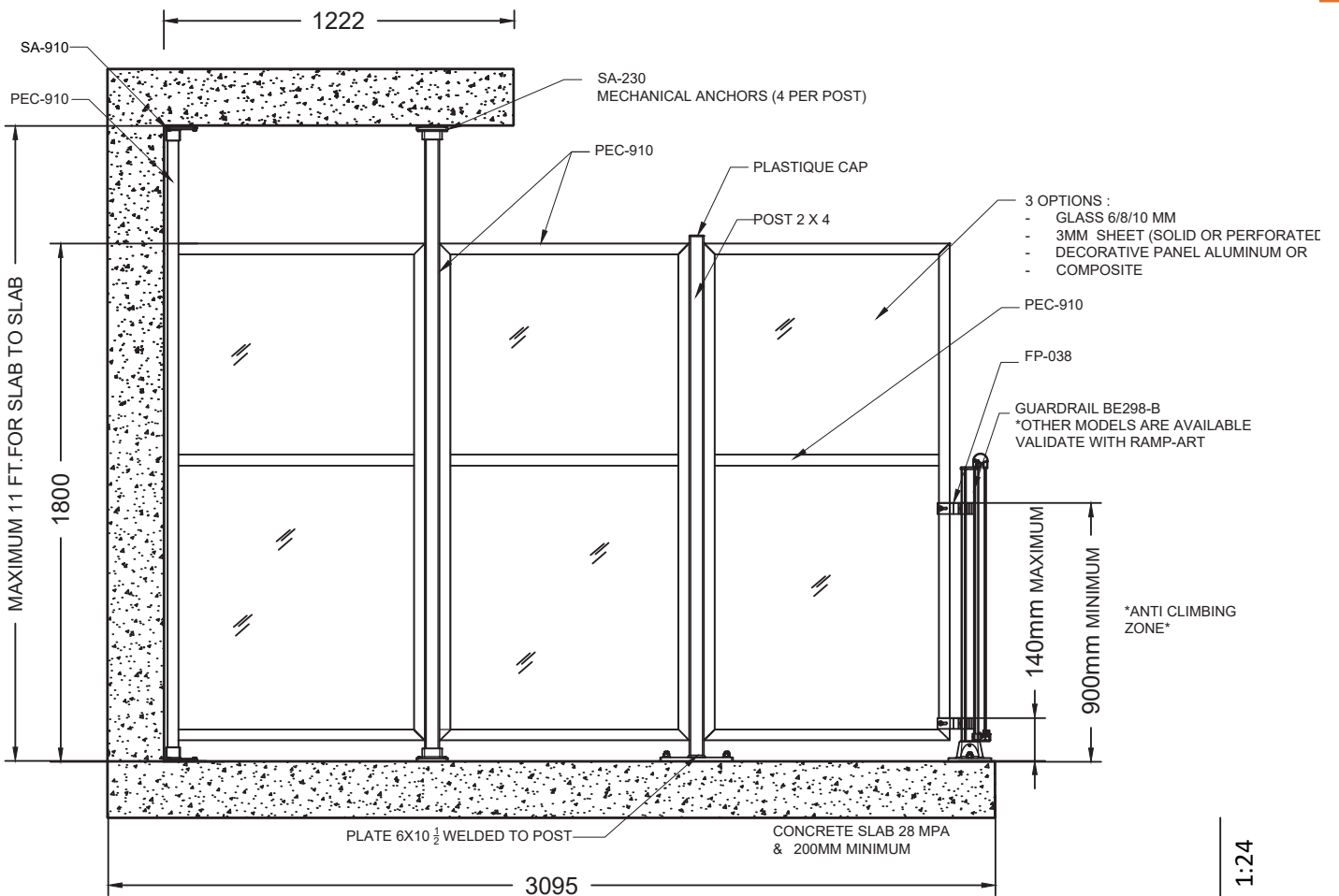
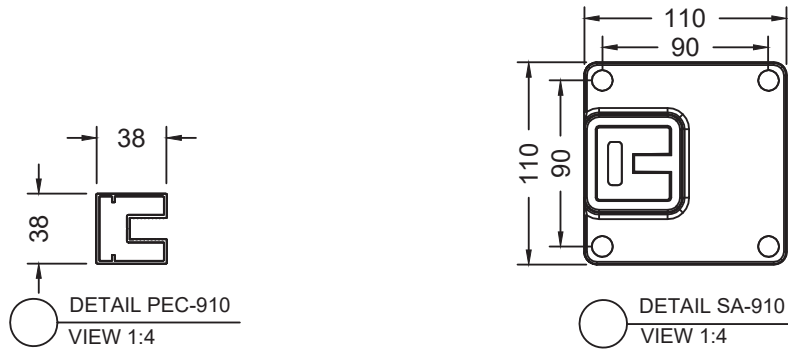
All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art separator screens are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

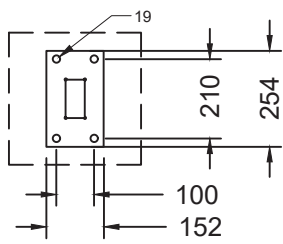
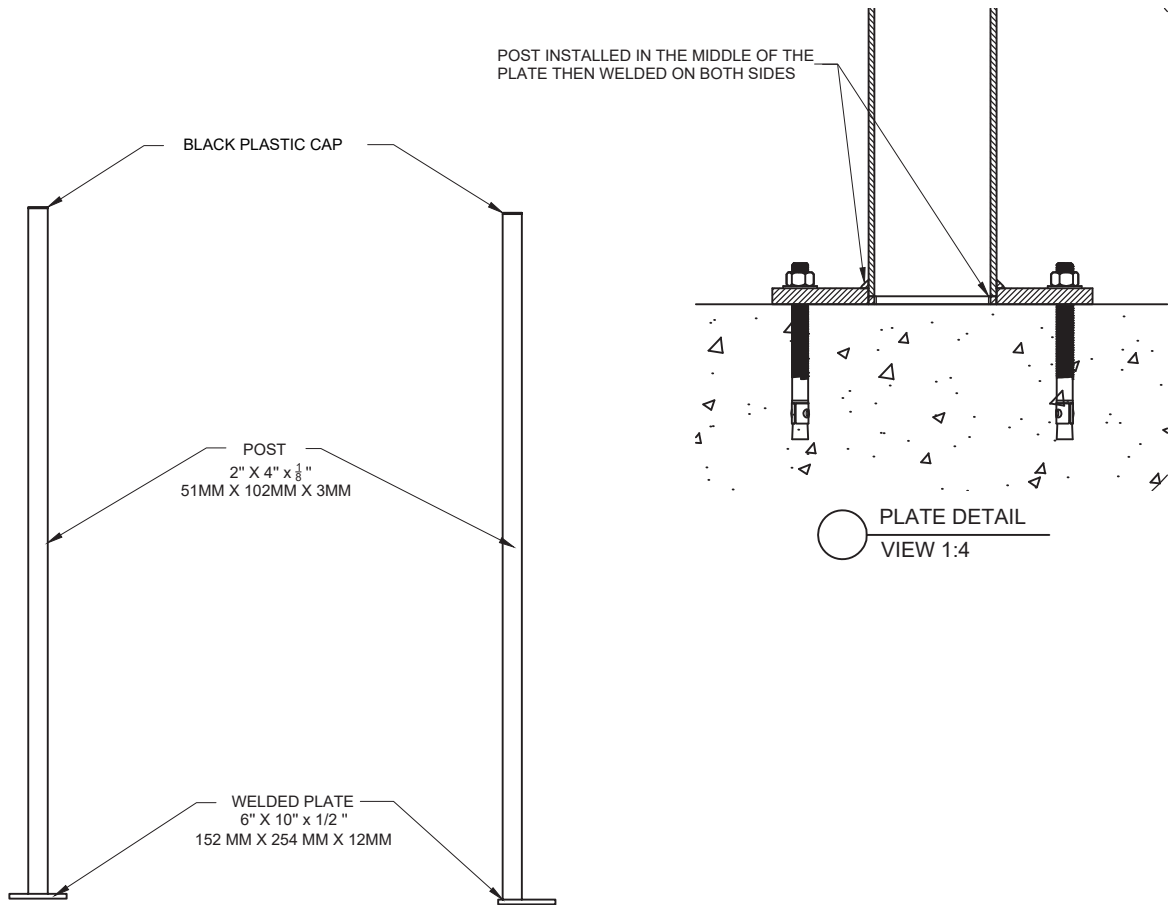
4. APPROVALS

Shop drawings will be submitted for approval by engineers.
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.

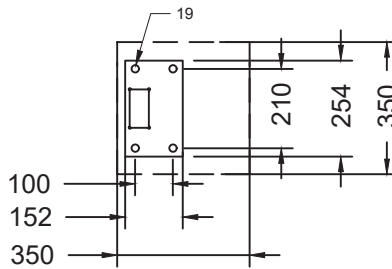


Scale : 1:24

SEPARATOR SCREEN - HIGH CAPACITY MODEL



MIDDLE PLATE



END PLATE

** POST USED WHEN ATTACHMENT TO TOP SLAB IS IMPOSSIBLE
 ** (GROUD FLOOR, TOP FLOOR, ETC....)

Scale : 1:20

SEPARATOR SCREEN - HIGH CAPACITY MODEL

SEPARATOR SCREEN

HIGH CAPACITY SLAB-TO-SLAB



SECTION G

DESCRIPTION

SEPARATOR SCREEN: HIGH CAPACITY MODEL - SLAB TO SLAB

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The separator screen is made of aluminum extrusions of 6063-T5/T6 alloy. The screen frame is made up of a PEC-910 profile and is attached to a PPO-230 support post from slab to slab with an SA-230 and a PEC-910 shoe, fixed with an SA-910 shoe. The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings of the PEC-910 frame using a flexible vinyl filling. Other types of filling are also available, such as a solid or perforated aluminum sheet. The connections and wall fixings are made of aluminum.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

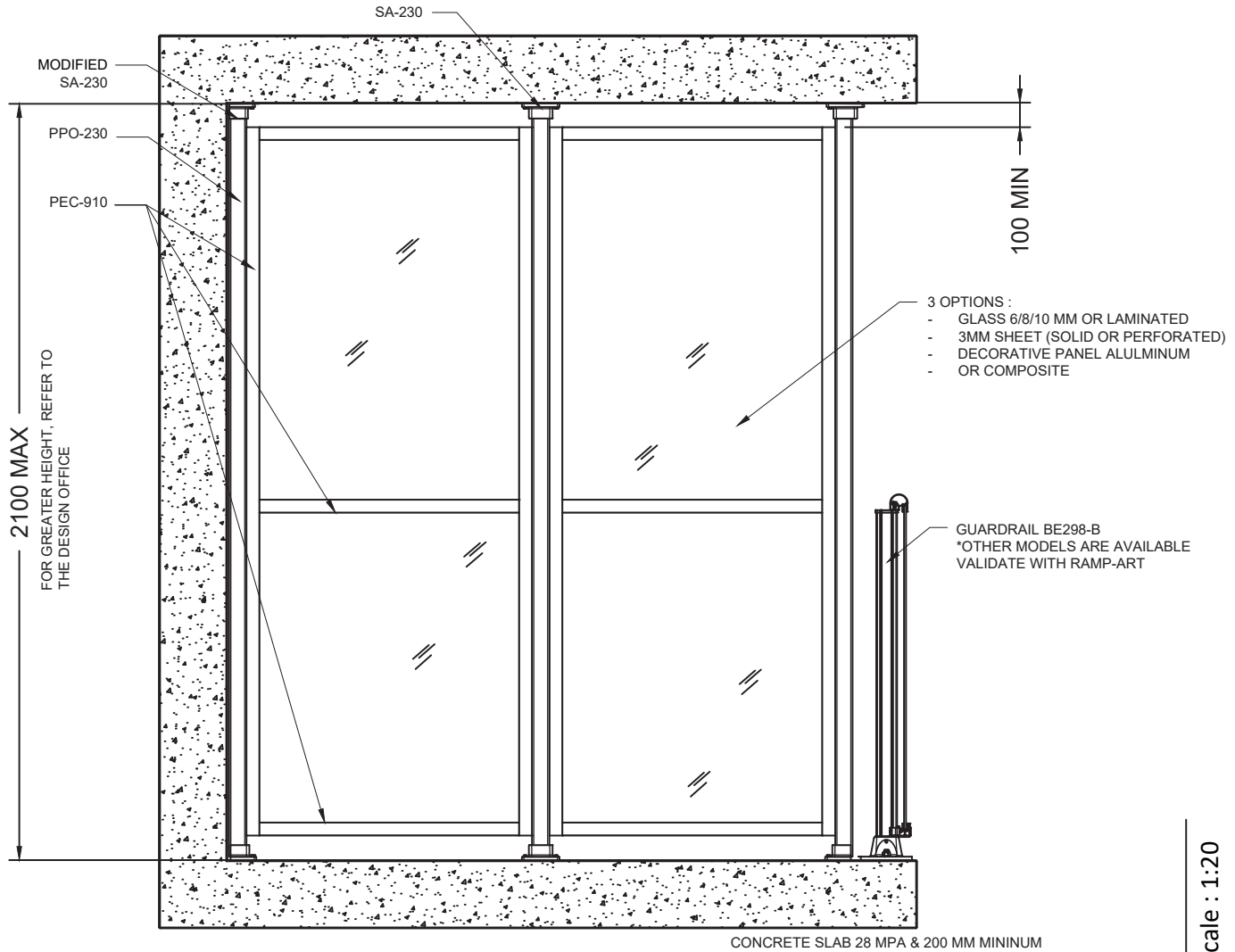
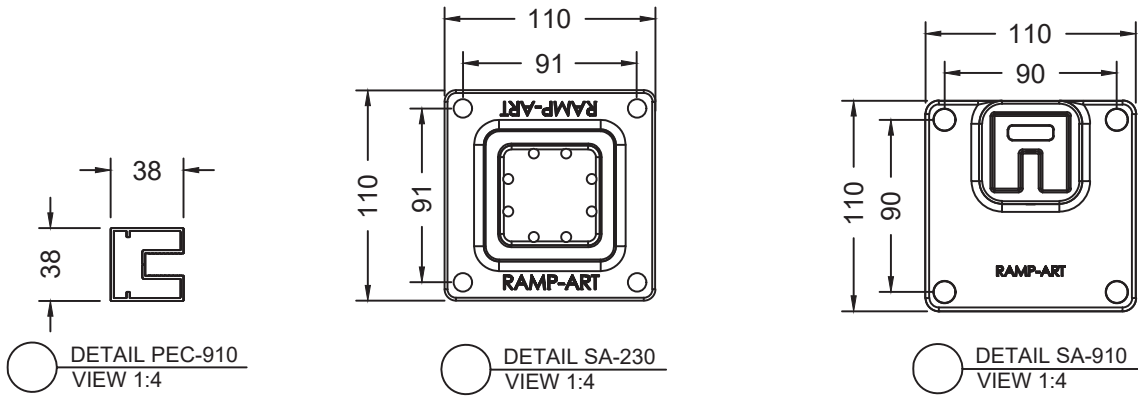
All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art separator screens are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



Scale : 1:20

SEPARATOR SCREEN - HIGH CAPACITY MODEL - SLAB TO SLAB

SEPARATOR SCREEN STRUCTURAL



SECTION G

DESCRIPTION

SEPARATOR SCREEN: STRUCTURAL MODEL

1. PRODUCTS

The aluminum guardrails are assembled according to the standards of the manufacturer Ramp-Art, and are in agreement with the current regulations of the National Building Code.

2. MATERIALS

2.1 Components

The separator screen is made of aluminum extrusions of 6063-T5/T6 alloy.

The screen frame is made up of a PEC-910 profile and is attached to a Heavy Duty (HD) type support post.

The glass panels will be tempered or laminated and are in compliance with the glass safety requirements. They are inserted into the aluminum moldings of the PEC-910 frame using a flexible vinyl filling.

2.2 Guardrail finish

As standard, the guardrail will have a powder finish coating. Standard AAMA-2604, in the colors of the RAL Classic charter.

A variety of finishes is also available, at an additional cost: Duracron®, Acrynar®, Duranar®, Duranar® XL, Anodise

2.3 Fixings

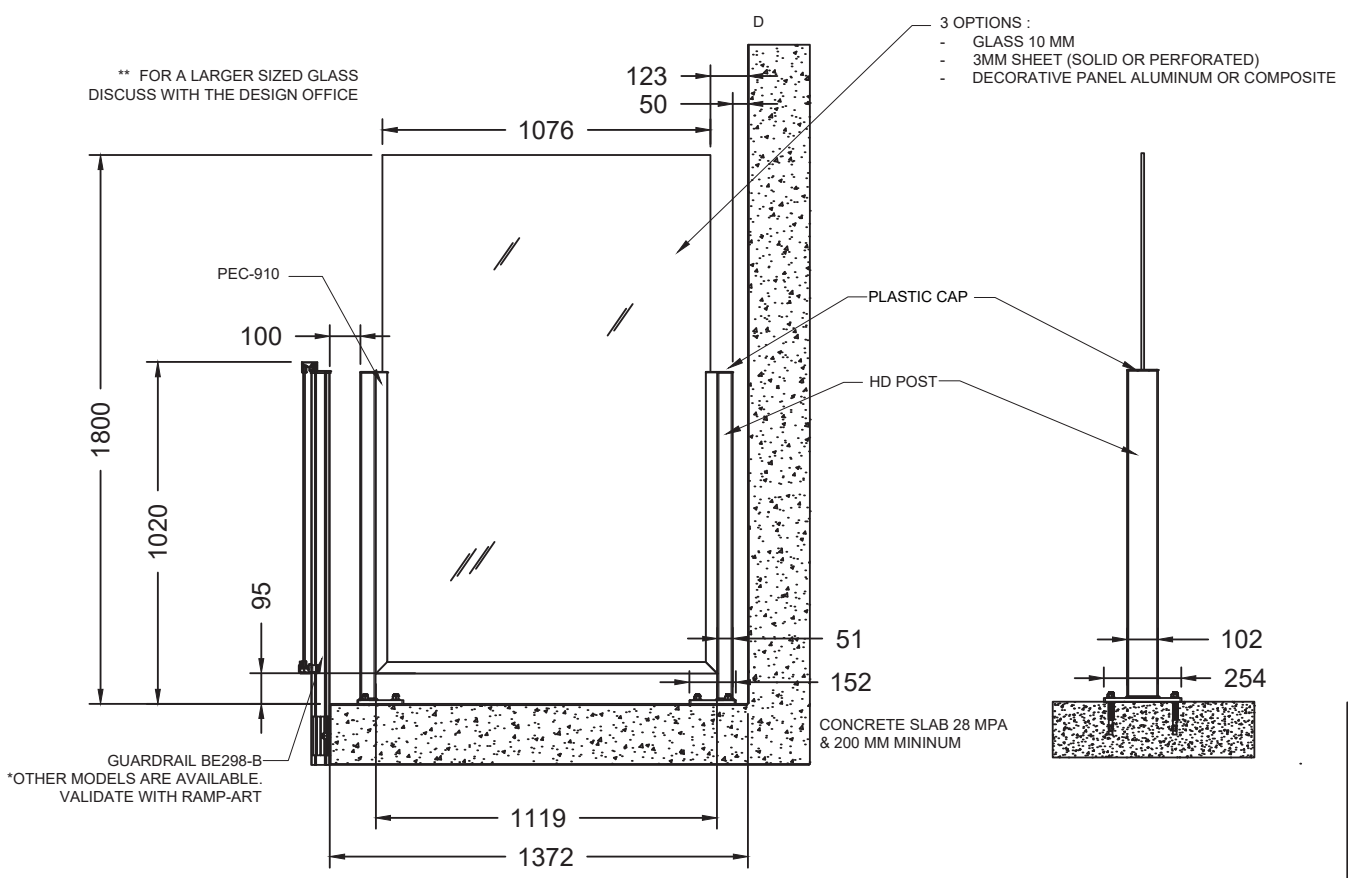
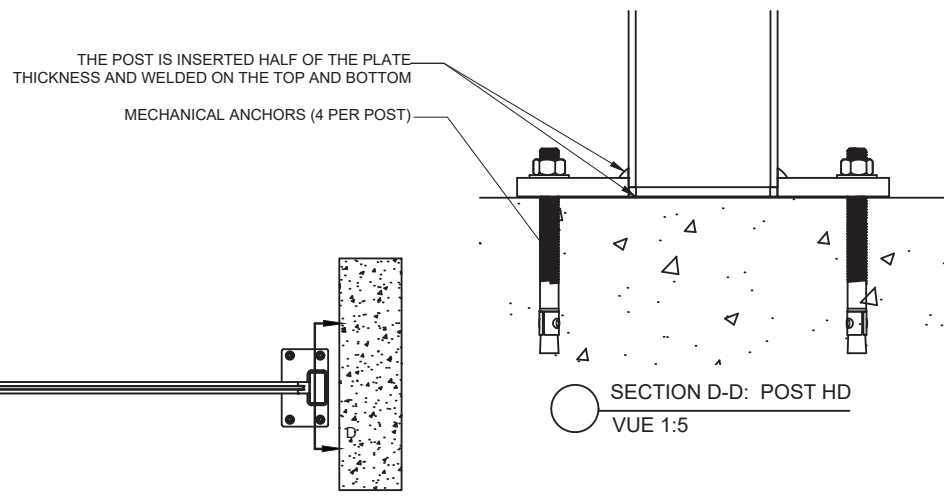
All anchors are mechanical and made of type 304 stainless steel.
Hardware assembly is also made of stainless steel.

3. MANUFACTURING / INSTALLATION

Ramp-Art separator screens are delivered to the site in preassembled elements and are installed in accordance with the plans and specifications and the manufacturer's instructions. All dimensions will either be taken on site before manufacturing the guardrails or validated by the on site individual in charge to accelerate the supply cycle.

4. APPROVALS

Shop drawings will be submitted for approval by engineers.
The following elements are indicated in our shop drawings: plan dimensions, thickness, finishes & colors, fittings, joints, anchors, and supports.



SEPARATOR SCREEN - STRUCTURAL MODEL

Scale : 1:24