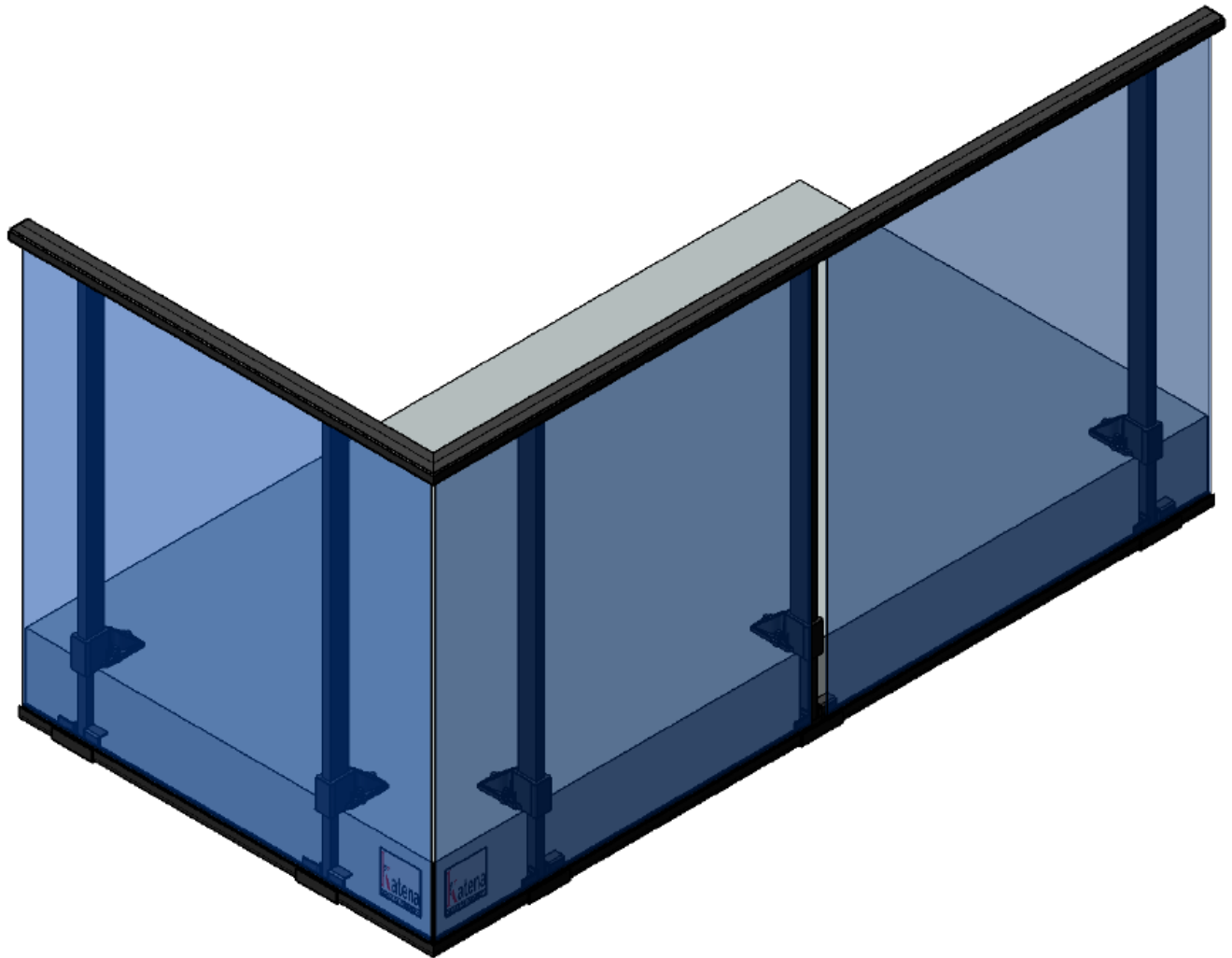




## DATA SHEET (SPECIFICATION)

KBP, BY PASS



## General Note

### OBC 2012 (ONTARIO Building Code)

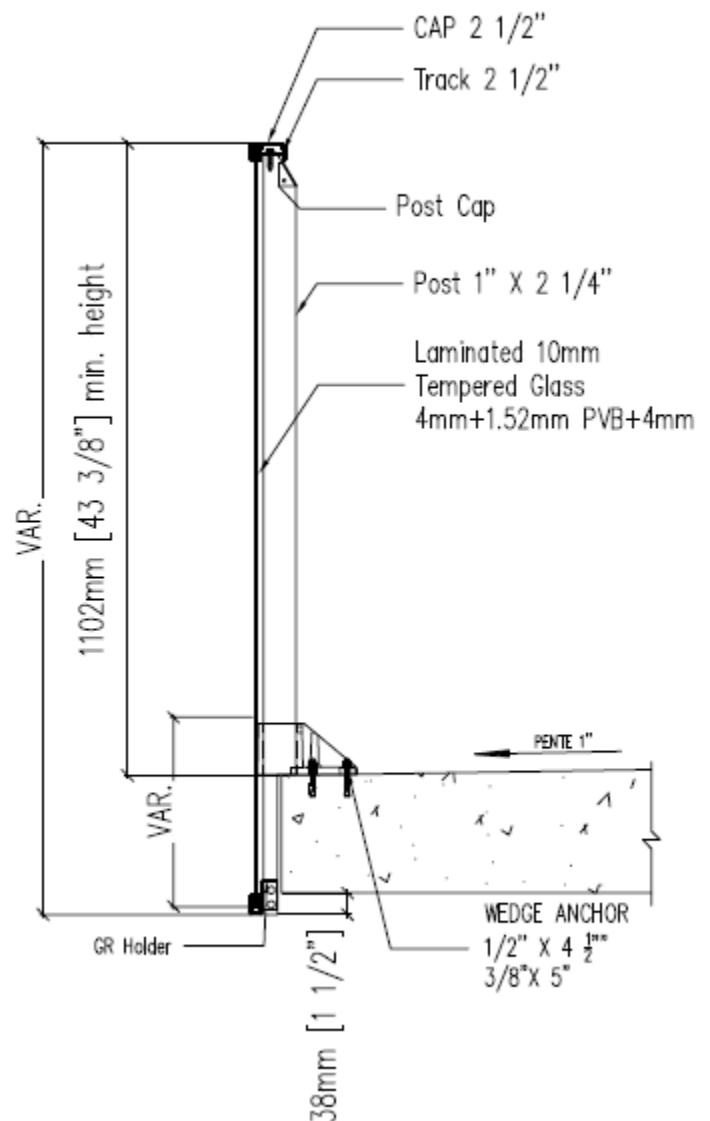
Ontario building code (OBC), current edition including all supplementary standards, shall be the basis for the design, fabrication and construction. Manufacture and installation of guardrails and their components shall be in accordance with these drawings. Supplementary standard SB-13 for glass guards.

## Material

- Extruded posts are made of 6005-T6 aluminum alloy.
- All other elements must be 6063-T5 alloy.
- Wedge anchors must be stainless steel 304.
- All hidden screws and bolts must be zinc coated.
- All exposed screws must be 18-8 stainless steel.

### \*Note A500-16 Table 6.1

- 1 Glass located <50mm from slab edge:  
Glass located beyond the edge of a floor or within 50 mm from the outside edge of the area protected by the guard must have Laminated glass.
- 2 Glass located between 50mm to 150mm from slab edge:  
Glass located more than 50 mm inward from the outside edge of the area protected by the guard must have Heat-soaked tempered glass or Laminated glass.
- 3 Glass located > 150mm from slab edge:  
Glass located more than 150 mm inward from the outside edge of the area protected by the guard must have Tempered glass or Heat-soaked tempered glass or Laminated glass

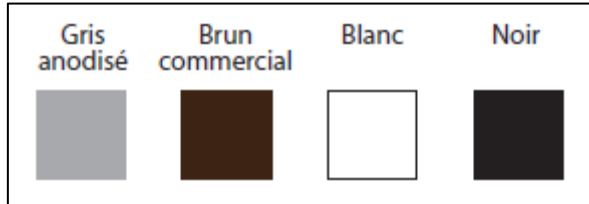


*\*All depending on the height of the guardrail and its design, the anchors are calculated and determined by the engineer.*

## Finishes

Glass: Glass is available on request in several colors and patterns.

Standards Aluminium Color:



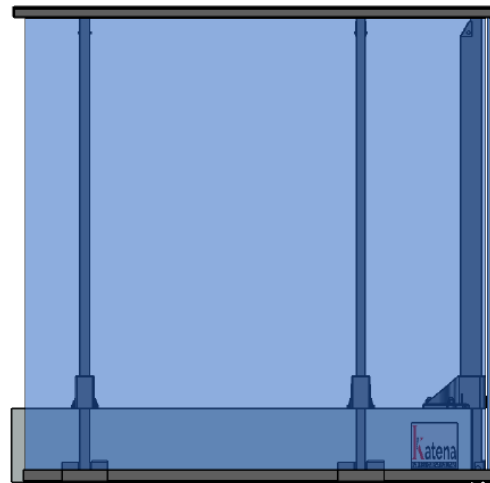
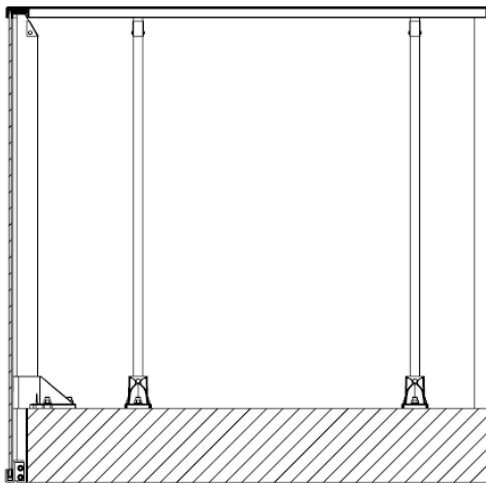
*\*Other colors and finishes are available upon request.*

*\* Touch-ups are carried out according to the manufacturer's touch-up procedure.*

## Design Loads 4.1.5.1

A concentrated load of 1.0 kN applied at any point, so as to produce the most critical effect, for access ways to equipment platforms, contiguous stairs and similar areas where the gathering of many people is improbable, and 0.75 kN/m or a concentrated load of 1.0 kN applied at any point so as to produce the most critical effect.

Concrete slab, curb, parapet, precast assumed 26 MPa design load.



**\*\*Patio slab does not constitute a structural element for attaching guardrails or privacy screens. Please consider that the load integrity of the balustrades depends on the attachment points which must have a minimum load capacity of 26 MPa. Please provide appropriate attachment points\*\***

Normes standards applicable (OBC 2010):

CSA-CAN3-S157-17	Strength design in aluminum
CSA HA SÉRIES: M80	Standards for aluminum and aluminum alloys
CSA-CAN3-S16.1-R2014	Steel structures for buildings-limit states design
CAN/CSA-R2014	Engineering design in wood
CSA-CAN3-A23.3 2014	Design of concrete structures for buildings
CSA-CAN3-S304 2014	Masonry design for building
CSA-W59-2018	Welded steel construction
CSA-W59.2-M2018	Welded aluminum construction
W47.2-2018	Certification of companies for fusion welding of aluminium
CAN/CGSB-12.1-M90	Tempered or laminated safety glass. Compliance with: ASTM C1172, ASTM C1048 & DIN EN 14179-1 PER O.B.C.S.B.13