

SPECIFICATION : PERFECT EDGE GUARDRAIL / HANDRAIL GLASS

SECTION 08 8800 - General Glazing

SECTION 05 7310 - Glazed Railings

SECTION 05 7313 - Glazed Metal Railings

PART 1 – GENERAL

1.1 SUMMARY

- A. The section includes furnishing and installation of Glass Guardrail & Glass Handrail.
- B. Related Sections:
Section 07900 - Sealants for Glazing
Sections 08800 - Glass and Glazing
- C. Manufacturer:
The performance of the specified glazing product is based on *Radiance Edge Technology* as manufactured & distributed by PerfectEdge Glass.

1.2 QUALITY ASSURANCE

- A. Supply of glass to be sole responsibility of PerfectEdge Glass. Safety glass to be compliant with ANSI Z97.1 and testing requirements of 16 CFR Part 102 for category II materials.
- B. **Glass material must utilize *Radiance Edge Technology*. Post-Polished laminated glass (glass polished after tempering and lamination) shall not be acceptable.**

1.3 REFERENCES

- A. ASTM C1048, Standard Specification for Heat Treated Glass—Kind HS, Kind FT Coated and Uncoated Glass
- B. ASTM C1172-91, Standard Specification for Laminated Architectural Flat Glass
- C. ASTM C1036, Standard Specification for Flat Glass

1.4 SUBMITTALS

- A. To comply with Section 01330 – Submittal Procedures
- B. Product Data: provide product literature from manufacturer
- C. Engineering Report: Structural calculations on glazing materials to be supplied as required. Design / Engineering of glazing system by others.

1.5 DELIVERY, STORAGE and HANDLING

- A. Materials to be delivered to site in manufacturer's unopened, crates with labels indicating manufacturer name and product type.
- B. Materials to be stored in a clean and dry indoor location.

- C. Materials to be protected from damage during handling and installation.

PART 2 – PRODUCTS

2.1 MANUFACTURER, PRODUCT, BASIS of DESIGN

- A. PerfectEdge Glass
Phone 1-833-7-GLASS-7 www.perfectededgeglass.com
1-833-745-2777
- B. PerfectEdge Laminated Glass
Radiance Edge Technology

2.2 MATERIALS

- A. Glass Material **Specify Float Type (standard clear, low-iron, tinted)**
- B. Glass Composition
 1. Glass to be Heat Strengthened or Fully tempered. **Thickness tbd .**
 2. Interlayer to be minimum 1.52mm (0.60”) Sentryglas interlayer. (Poured liquid resin / poly-urethane interlayer and or PVB (polyvinyl Butyral) in lieu Sentryglas do not comply with specification.)
- C. Edge Condition
 1. Glass edge must utilize Radiance Edge Technology.
 2. Glass edge must be free of interlayer spillage and non tolerant lamaintion displacement.
- D. Visual / Decorative (optional)
 1. Decorative interlayer, transparent, translucent, opaque, color.
 2. Logo. Indicate location and surface # for product logo.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Inspect area to receive glazing panels prior to installation. Notify Architect of any condition that may affect installation or subsequent use. Don't commence installation until proper site conditions exist.

3.2 INSTALLATION

- A. Manufacturer to confirm with General Contractor, Subcontractor's qualification. Subcontractor to be responsible for receiving glass products at site and for installation of glazing materials.
- B. Adhere to Structural Support Requirements.
- C. Use silicon adhesive compatible with laminated glass.
- D. Ensure glazing sits on level surface.

3.3 CLEANING, PROTECTING

- A. Installer to clean all surfaces of glazing after installation is completed.
- B. Glazing to be protected from damage after installation is complete until date of acceptance by Owner.

END OF SECTION