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Azurelite Inc. dba Dae Han Glass
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Attn: John Song
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RESEARCH REPORT: RR 26071
(CSI #05520)

Expires: January 1, 2020
Issued Date: May 1, 2018
Code: 2017 LABC

GENERAL APPROVAL– Renewal – Azurelite Inc. dba Dae Han Glass CRL Glass
Post Guardrail System

DETAILS

The CRL Glass Post Guardrail System consists of 21.52mm tempered, laminated glass supported by CRL custom clamps. The CRL clamps attach to 5” CRL custom flat bar posts with welded 5.5” square baseplates. The CRL custom clamps and flat bar posts are made of 304 Grade ASTM A276 stainless steel.

The approval is subject to the following conditions:

- 1) Glazing required shall comply with section 2407.1 of the 2017 LABC.
- 2) The width of the glass panel shall not exceed 56 inches.
- 3) Height of the glass guard rail system shall not exceed 72-inches from the bottom of baseplate to the top of glass.
- 4) Design of the 5” CRL custom flat bar posts with welded 5.5” square baseplates and the connection to the supporting framing or structure are not part of this approval and shall be designed for each installation. Plans and calculations bearing the seal and signature of a civil or structural engineer or architect licensed by the State of California shall be submitted to Structural Plan Check for approval.

RR 26071
Page 1 of 3

- 5) The top glass clamps shall be placed at a maximum of 5" from the top edge of glass. The middle and bottom glass clamps shall be placed at a maximum spacing of 30.5". See detail 1 on sheet 2.01.
- 6) The Glass Guardrail System shall not be installed in parking garages, except for those locations where the railing is not exposed to impact from vehicles.
- 7) Each glass section of the guardrail system shall be identified by a permanent label with the following information:
 - a) Manufacturer's name
 - b) 21.52mm nominal thickness
 - c) Tempered and laminated glass
- 8) The guardrail system may be subject to the requirements of the California State Accessibility Standards such as transitions to stairways or adjacent to ramps. Questions arising from the use of the system for handicap requirements shall be referred to the Disabled Access Section of the Los Angeles City Building Department.

DISCUSSION

The report is in compliance with the 2017 Los Angeles City Building Code.

The approval is based on lateral load tests. The guard rail system is deemed adequate for 50 pounds per linear foot uniform load and 200 pounds concentrated load. Calculations were based on a minimum factor of safety of 4.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

Azurelite Inc. dba Dae Han Glass
RE: CRL Glass Post Guardrail System

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

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Attachment: Details of Guard Rail System (4-Pages)