

Carlson Testing, Inc.

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May 31, 2019
 T1906016
 Permit No. 17-197353-CO

FIELD INSPECTION REPORT
 DATES COVERED: May 22, 24 & 28, 2019

PROJECT: ROYAL ARMS CONDOMINIUMS – FIRE ESCAPE TESTING
 ADDRESS: 1829 NW LOVEJOY STREET – PORTLAND, OR
 INSPECTOR: M. Ober – ACI#00060231
 N. Gordon – ACI#01243846, ODOT#49329
 J. Vialpando – ACI#01538462, WABO#SI 02254

05/22,24,28/2019 - Fire Escape Load Testing

As requested, CTI representatives were on site and load tested the following in general accordance with Miller Consulting Engineer's Fire Escape Load Testing procedures dated 08/09/17. Results for load testing criteria are below:

Test N ^o 1 – South Fire Escape Horizontal Ladder Load Test – 1/S9.01			
Location	Total Deflection	Deflection (rebound) @ zero load	Percent Rebound
SW Roof	1/8"	< 1/16"	100%
SE Roof	1/8"	< 1/16"	100%
SW Level 1	1/16"	< 1/16"	100%
SE Level 1	1/16"	< 1/16"	100%

No obvious sign of visual failure at connections/building

Test N ^o 2 – South Fire Escape Landing Guardrail Load Test – 2/S9.01			
Location	Total Deflection	Deflection (rebound) @ zero load	Percent Rebound
SW L1 End	1/8"	< 1/16"	100%
SW L1 Outside	1-1/4"	< 1/16"	100%
SW L2 End	1/8"	< 1/16"	100%
SW L2 Outside	1-1/4"	< 1/16"	100%
SW L3 End	1/8"	< 1/16"	100%
SW L3 Outside	1-1/4"	< 1/16"	100%
SE L1 End	1/8"	< 1/16"	100%
SE L1 Outside	1-1/4"	< 1/16"	100%
SE L2 End	1/8"	< 1/16"	100%
SE L2 Outside	1-1/4"	< 1/16"	100%
SE L3 End	1/8"	< 1/16"	100%
SE L3 Outside	1-1/4"	< 1/16"	100%

No obvious sign of visual failure at connections/building

Test N ^o 3 – South Fire Escape Stair Railing Load Test – 3/S9.01			
Location	Total Deflection	Deflection (rebound) @ zero load	Percent Rebound
SE L1-L2	1.0"	< 1/16"	100%
SW L1-L2	1.0"	< 1/16"	100%

No obvious sign of visual failure at connections/building

8430 SW Hunziker St., Tigard, OR 97223
 PO Box 230997, Tigard, OR 97281

Test N ^o 4 – South Fire Escape Stair Railing Load Test – 3/S9.01			
Location	Total Deflection	Deflection (rebound) @ zero load	Percent Rebound
SE Ladder (5,000 lbs)	1/16"	< 1/16"	100%
SW Ladder (4,150 lbs)	1/8"	< 1/16"	100%

No obvious sign of visual failure at connections/building

Test N ^o 5 – South Fire Escape Landing Support Load Test – 1/S9.02			
Location	Total Deflection	Deflection (rebound) @ zero load	Percent Rebound
SE Level 1	1/16"	< 1/16"	100%
SE Level 2	1/16"	< 1/16"	100%
SE Level 3	1/16"	< 1/16"	100%
SW Level 1	1/16"	< 1/16"	100%
SW Level 2	1/16"	< 1/16"	100%
SW Level 3	1/16"	< 1/16"	100%

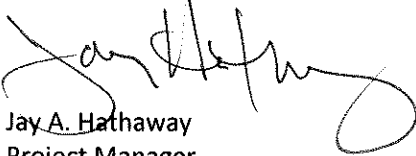
No obvious sign of visual failure at connections/building

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If there are any questions regarding this matter, please do not hesitate to contact this office.

Respectfully submitted,

CARLSON TESTING, INC.



Jay A. Hathaway
 Project Manager

MO/NG/JV/ck

cc: Royal Arms Condominiums c/o Community Association Partners
 City of Portland – BDS
 Miller Consulting Engineers – Andrew Leichty
 NJP Restoration – Donia Braden-Parrish
 Miller Consulting Engineers – Ben Steer

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