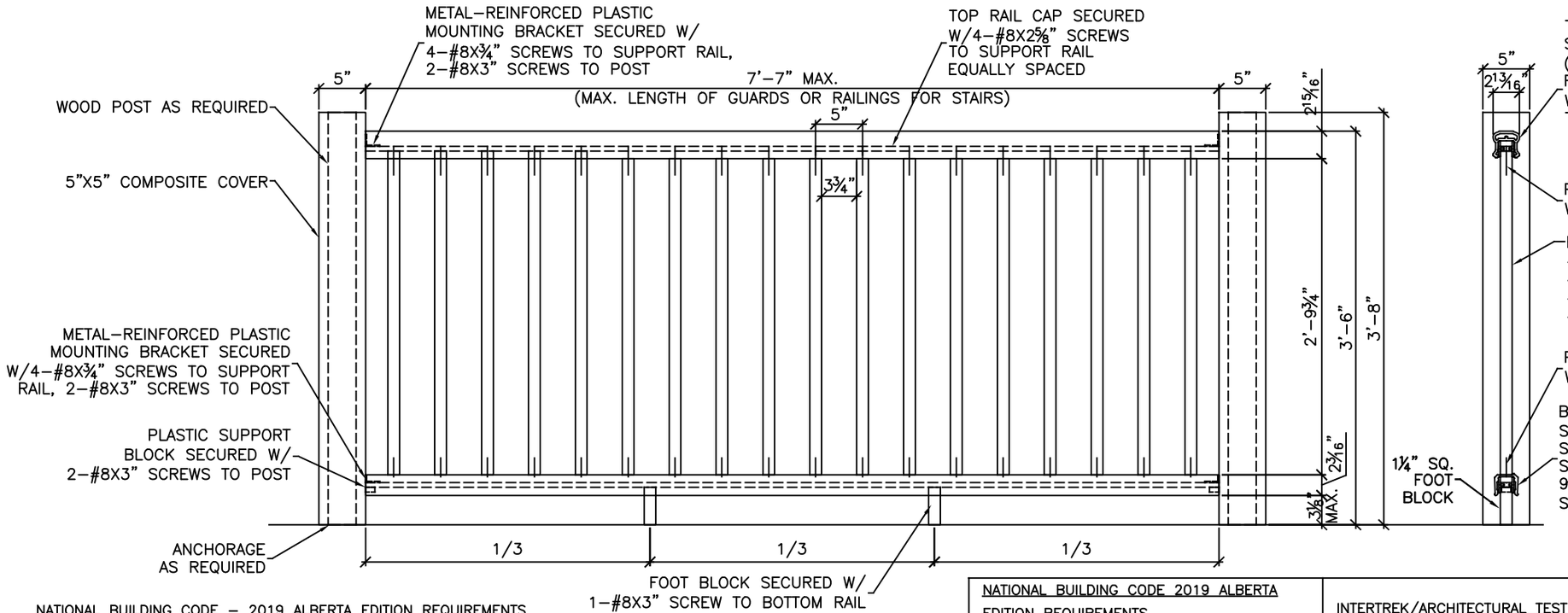

ALTHOUGH THE TEST REPORT PERIOD HAS EXPIRED, WE ASSUME THERE ARE NO CHANGES TO THE ASSEMBLY.

PROFESSIONAL ENGINEER J.R. BOWICK ALBERTA 2022.01.27

NATIONAL BUILDING CODE – 2019 ALBERTA EDITION REQUIREMENTS

9.8.8.3 Height of Guards

1) Except as provided in Sentences (2) to (4), all guards shall be not less than 1070MM (3ft 6 in) high.

(2) All guards within dwelling units shall be not less than 900 mm (2 ft 11in) high.

(3) Exterior guards serving not more than one dwelling unit shall be not less than 900 mm (2 ft 11in) high where the walking surface served by the guard is not more than 1800 mm (5 ft 11 in) above the finished ground level.

(4) Guards for flights of steps, except in required exit stairs, shall be not less than 900 mm (2 ft 11 in) high.

(5) The height of guards for flights of steps shall be measured vertically from the top of the guard to a line drawn through the tread nosing served by the guard.

9.8.8.5. Openings In Guards

(1) Except as provided in Sentence (2) and (3), openings through guards shall be of a size that will prevent the passage of a spherical object having a diameter of 100 mm (4 in).

Refer to TimberTech/AZEK Installation Guide for additional installation information.

This document is valid for one year from issue date. It may be renewable on an annual basis. Our ABC compliance calculations compared data obtained from: Architectural Testing Reports: Architectural Testing Reports No. 65314.01–119–19 dated APR.10–2008 and No. 79283.01–119–19 dated APR.09–2008 and No. E1957.01–119–19 dated MARCH 27–2015.

NATIONAL BUILDING CODE 2019 ALBERTA EDITION REQUIREMENTS PART 9 – RESIDENTIAL USE (FROM Table 9.8.8.2 Specified Loads for Guards)	INTERTREK/ARCHITECTURAL TESTING COMPLIANCE REFERENCE (Test Series No. & Test No.)
Horizontal Load Applied Inward or Outward at any Point at the Minimum Required Height of the Guard: 0.75 kN/m (52 lb/ft) or concentrated load of 1.0 kN (224 lb) applied at any point	2008 Test Series No.1 – Test No.3 Test Series No.3 – Test No.5 2015 Test Series No.1–4 & 8–9
Horizontal Load Applied Outward on Elements Within the Guard, Including Solid Panels and Balusters: Concentrated load of 0.5 kN (112 lb) applied over an area of 100mm by 100mm at any point on the element or elements so as to produce the most critical effect	2008 Test Series No.3 – Test No.1 & 2 2015 Test Series No.1–4 & 8–9
Evenly Distributed Vertical Load Applied at the Top of the Guard: 1.5 kN/m (103 lb/ft)	2008 Test Series No.3 – Test No.4 2015 Test Series No.1–4 & 8–9

AZEK RAIL & Radiance Rail System

¾"=1'–0"

REVISION	DATE	DESCRIPTION	BY PAR
0	OCT 15/19	ISSUED FOR A.B.C COMPLIANCE	

CLIENT: CPG BUILDING PRODUCTS
894 PRARIE AVENUE
WILMINGTON, OHIO 45177

NOM DU PROJET: / PROJECT NAME: INTERTEK/ARCHITECTURAL TESTING ALBERTA BUILDING CODE COMPLIANCE

TITRE: / TITLE: TIMBERTECH RADIANCE RAIL & AZEK RAIL COMPOSITE GUARDRAIL SYSTEM

DR/PAR:	CHECKED/VERIFIER:	SCALE/ECHELLE:	DATE:
N.L.	J.S.	AS NOTED	JAN.27/16

PROJET NO./PROJECT NO.: BD2019-10-15 | BD-TT-RR-04

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