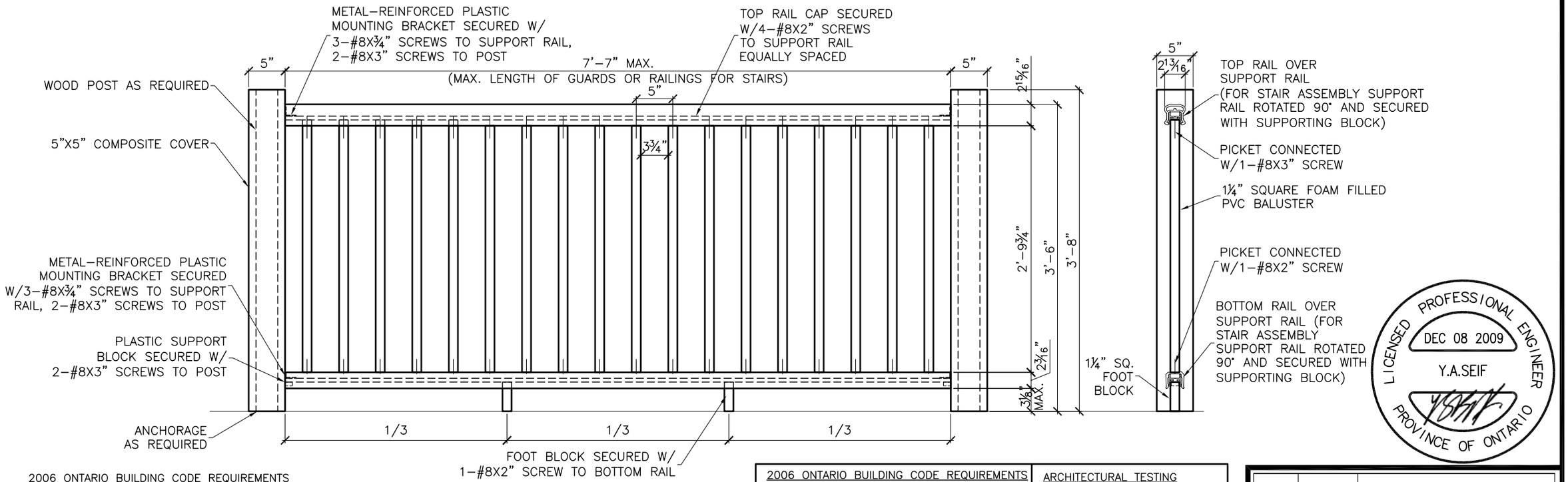

LICENSED PROFESSIONAL ENGINEER
DEC 08 2009
Y.A.SEIF
PROVINCE OF ONTARIO

2006 ONTARIO BUILDING CODE 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 a line drawn through the leading edge of the treads served by the guard.

9.8.8.5. Openings In Guards

(1) Except as provided in Sentence (2), openings through any guard that is required by Article 9.8.8.1. shall be of a size that will prevent the passage of a spherical object having a diameter of 100 mm (4 in) unless it can be shown that the location and size of openings that exceed this limit do not represent a hazard.

2006 ONTARIO BUILDING CODE REQUIREMENTS PART 9 – RESIDENTIAL USE (FROM Table 9.8.8.2 Specified Loads for Guards)	ARCHITECTURAL TESTING COMPLIANCE REFERENCE (Test Series No. & Test No.)
Horizontal Load Applied Inward or Outward at any Point at the Top of the Guard: 0.75 kN/m (52 lb/ft) or concentrated load of 1.0 kN (224 lb) applied at any point	Test Series No.1 – Test No.3 Test Series No.3 – Test No.5
Horizontal Load Applied Inward or Outward on Elements Within the Guard, Including Solid Panels and Pickets: Concentrated load of 0.5 kN (112 lb) applied at any point on individual elements	Test Series No.3 – Test No.1 & 2
Evenly Distributed Vertical Load Applied at the Top of the Guard: 1.5 kN/m (103 lb/ft)	Test Series No.3 – Test No.4

Radiance Rail System

¾"=1'–0"

Service life is equivalent to Architectural Testing Reports No.65314.01–119–19 dated APR.10–2008 and No.79283.01–119–19 dated APR.09–2008.

REVISION	DATE	DESCRIPTION	BY PAR
	DEC.08/09	RENEWAL	
	SEP.26/08	REVIEW	

CLIENT:
TIMBERTECH LIMITED
894 PRARIE AVENUE
WILMINGTON, OHIO 45177

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

TITRE: / TITLE: RADIANCE RAIL COMPOSITE GUARDRAIL SYSTEM

BY: PAR:	CHECKED: VERIFIER:	SCALE: ÉCHELLE:	DATE:
C.C.	J.S.	AS NOTED	AUG.25/08

PROJET NO.: / PROJECT NO.: BD2008-08-01 — BD-TT-RR-01

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