

**Burnaby Engineering Associates Ltd.**

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May 5, 2025

East-West Alum Craft Ltd  
Tel 1-800-661-2773  
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To whom it may concern;

The attached S.T.A.R. "Classic" aluminum picket railing details on Drawing SS-101 meets the loading requirements of the 2012 O.B.C. and the 2020 N.B.C. building codes if the rails are installed as per approved shop drawings as per the manufacturer's recommendations.

The post to post spacing varies due to an infinite possibilities of deck installation variables such as substrate type, anchorage details to the substrate details and railing heights, etc. The post placement needs to be reviewed and determined on a case by case, depending on the site conditions where the rails are being installed.

Maximum post-to-post spacing when attaching the freestanding S.T.A.R. "Classic" aluminum picket rails to S-P-F No.1/2 or better wood substrate(backing) is as following :

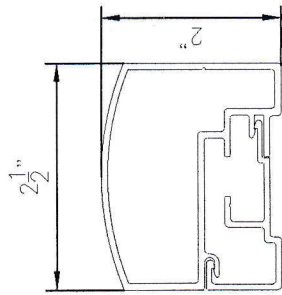
**36" high** Classic Picket Rail max post-to- post span is 61" o/c when attached to No. 1/2 or better SPF timber blocking ( S.G. = 0.42) with 3/8" lag screws with a minimum 4.25" thread embedment ( not including the lag tip portion) into the structurally sound timber blocking, designed by others

**42" high** Classic Picket Rail max post-to- posts span is 53" o/c when attached to #2 or better SPF timber blocking ( S.G. = 0.42) with 3/8" lag screws with a minimum 4.25" thread embedment ( not including the lag tip portion) into the structurally sound timber blocking designed by others

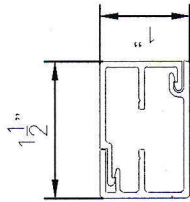
Should you have any questions or comments regarding the foregoing please call the undersigned.

Sincerely  
Julian Gy. Bozsik, M.Eng., P.Eng .

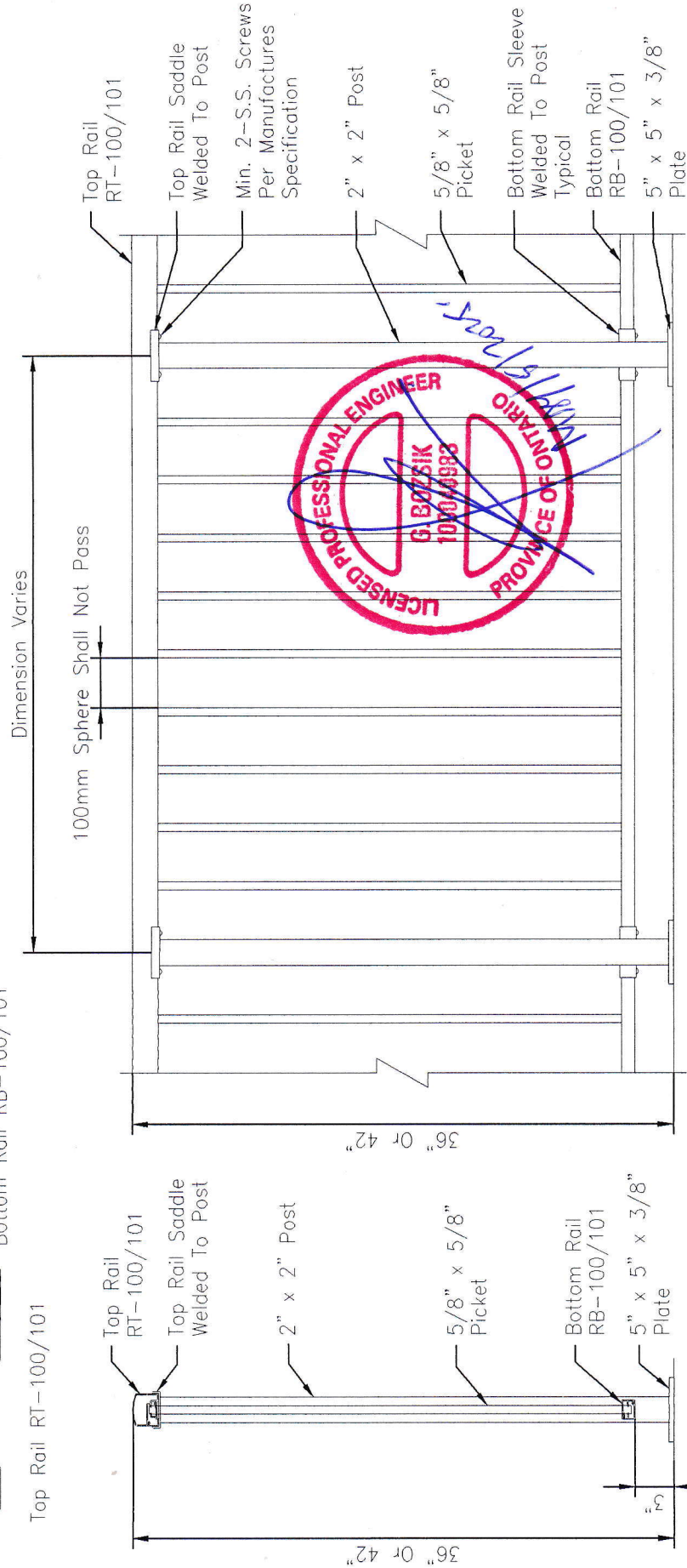




Top Rail RT-100/101



Bottom Rail RB-100/101



Picket Sections

Picket Elevations

Title:	CLASSIC STYLE	Drawing No.	SS101	Scale:	1"=1'-0"
		Drawn By:	KK	Date:	July 6, 2018
	36" OR 42" High Picket	Checked By:		Revision:	



S.T.A.R. SYSTEM INTERNATIONAL LTD.  
ALUMINUM RAILING & FENCING