

STRUCTURAL NOTES:

GENERAL

1. THE GUARDRAIL POST CONNECTION AS DESCRIBED IN THESE DRAWINGS HAVE BEEN DESIGNED IN SUBSTANTIAL COMPLIANCE WITH THE NBC 2020, OBC 2024, ABC 2023 AND BCBC 2024.
2. EXCEPT FOR THE GUARDRAIL POST CONNECTION, JCJ ACCEPTS NO RESPONSIBILITY FOR THE STRUCTURAL ADEQUACY OF THOSE AREAS OF THE STRUCTURE THAT ARE BEYOND THE SCOPE OF POST CONNECTION WORK. THE EXISTING STRUCTURE REMAINS THE RESPONSIBILITY OF THE ORIGINAL DESIGNER.
3. RAILING DESIGN IS EXCLUDED IN THE SCOPE OF WORK. FOR RAILING DESIGN AND LOAD TEST RESULTS, SEE DESIGN DRAWINGS PREPARED BY REGAL IDEAS INC.
4. PERFORM ALL WORK IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
5. IF ANY HIDDEN DAMAGE IS UNCOVERED DURING THE COURSE OF RAILING CONSTRUCTION, REPORT IT PROMPTLY TO THE ENGINEER FOR EVALUATION.
6. ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIALS.

GUARDRAIL NOTES

1. THE GUARDRAIL POST CONNECTION HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE NBCC 2020, OBC 2024, ABC 2023 AND BCBC 2024.

2. DESIGN LOADS:
WIND: $q_{50} = 0.70 \text{ kPa}$

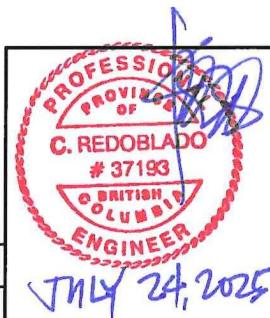
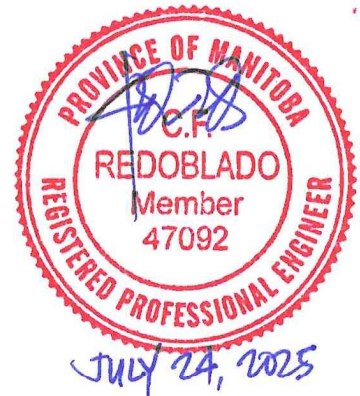
GUARDRAIL LOADS:

CONCENTRATED LOAD = 225 LB (1 kN) HORIZONTAL LOAD APPLIED INWARD OR OUTWARD AT ANY POINT
 UNIFORM LOAD = 34 LB/FT (1.5 kN/m) HORIZONTAL LOAD APPLIED INWARD OR OUTWARD
 TOP OF GUARD = 103 LB/FR (1.5 kN/m) EVENLY DISTRIBUTED LOAD APPLIED AT THE TOP OF THE GUARD

3. ALL STRUCTURAL ITEMS MUST BE REVIEWED BY THE STRUCTURAL ENGINEER OR BY ANOTHER SUITABLY QUALIFIED PERSON RESPONSIBLE TO THE STRUCTURAL ENGINEER.

4. MATERIAL & HARDWARE:
WOOD BLOCKING: SPF, WESTERN RED CEDAR, D.FIR, OR HEMLOCK
SCREW: REGAL CORROSION RESISTANT FASTENER AS NOTED

5. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION, REPORT DISCREPANCIES TO THE ENGINEER.



JCJ DESIGN ENGINEERING LTD.
 UNIT C410 - 20178 96 AVENUE, LANGLEY BC CANADA V1M 0B2
 T. 604-533-8423 W. www.jcjdesigneng.com

PROJECT: RAIL POST CONNECTION

CLIENT: REGAL IDEAS INC.

SHEET CONTENT: STRUCTURAL NOTES

No.	DESCRIPTION	DATE	BY	CHK
2	STANDARD DETAIL	APR. 25, 2025	RS	CFR
1	STANDARD DETAIL	OCT. 13, 2020	HY	CFR

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DATE: 10/13/2020	SCALE: AS SHOWN	PROJECT NO.: R10-1	SHEET NO.: R10-1-001
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3-PLY 2"x8" OR 6"x6" SOLID
BLOCKING BEHIND BEAM /
RIM JOIST

DECK
SPAN

1'-4"
TYP.

MIN. 2x8"@16"
DECK JOIST

TYP. DECK JOISTS
@ 16" O.C.

3 - SCP/CL SCREWS
(BY REGAL IDEAS INC.)
TO EACH BLOCKING OR
JOIST, TYP.

4 - MPSS/URSL STRUCTURAL SCREWS
(BY REGAL IDEAS INC.)
W/ BLOCKING BEHIND BEAM / RIM JOIST

PLAN
1"=1'-0"

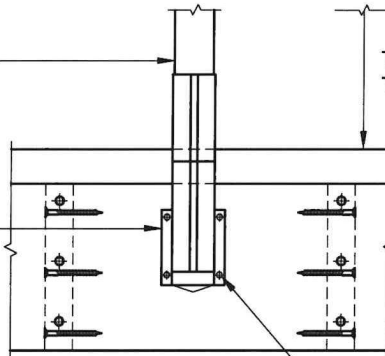


ALUMINUM POST @ 8'-0" MAX.
(BY REGAL IDEAS INC.)

TYP. 36" TO 60"
TO TOP OF TOP RAIL

PSB/CSB/URFB OR
PSCB/CSCB/URFCB
(BY REGAL IDEAS INC.)

T.O. DECK

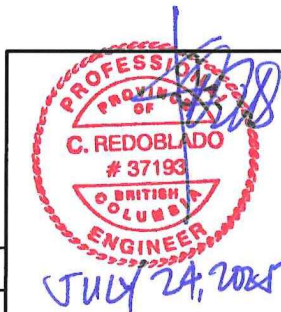


VIEW A
1 1/2"=1'-0"

4 - MPSS/URSL SCREWS
(BY REGAL IDEAS INC.)



ALUMINUM POST SIDE MOUNT CONNECTION
(DECK JOISTS PERPENDICULAR TO RIM JOIST)



JU DESIGN ENGINEERING LTD.
UNIT G410 - 20178 96 AVENUE, LANGLEY BC CANADA V1M 0B2
T: 604-533-8423 W: www.jjdesigneng.com

PROJECT: RAIL POST CONNECTION

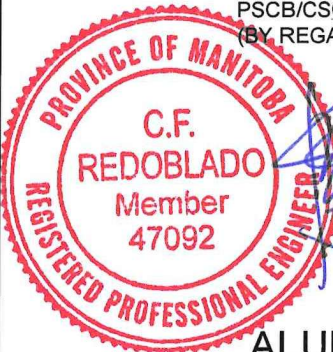
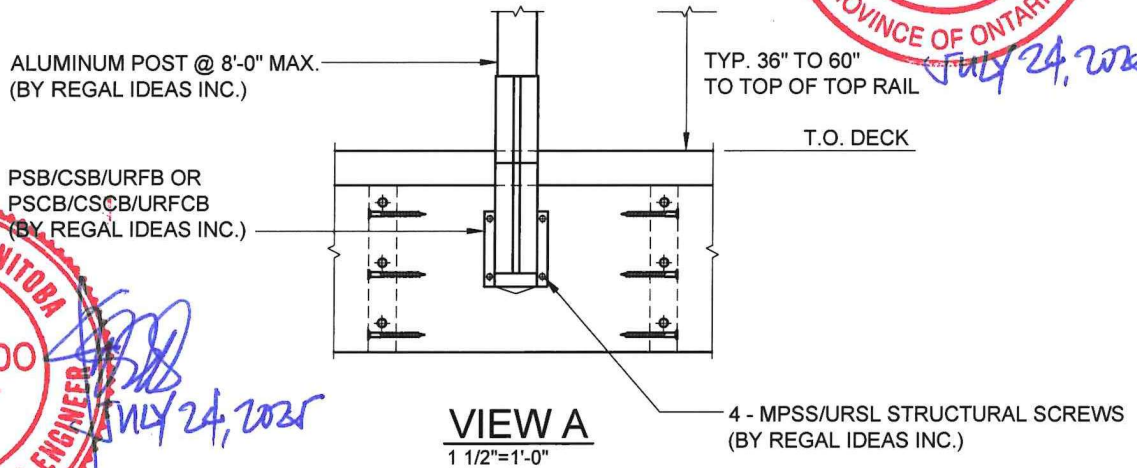
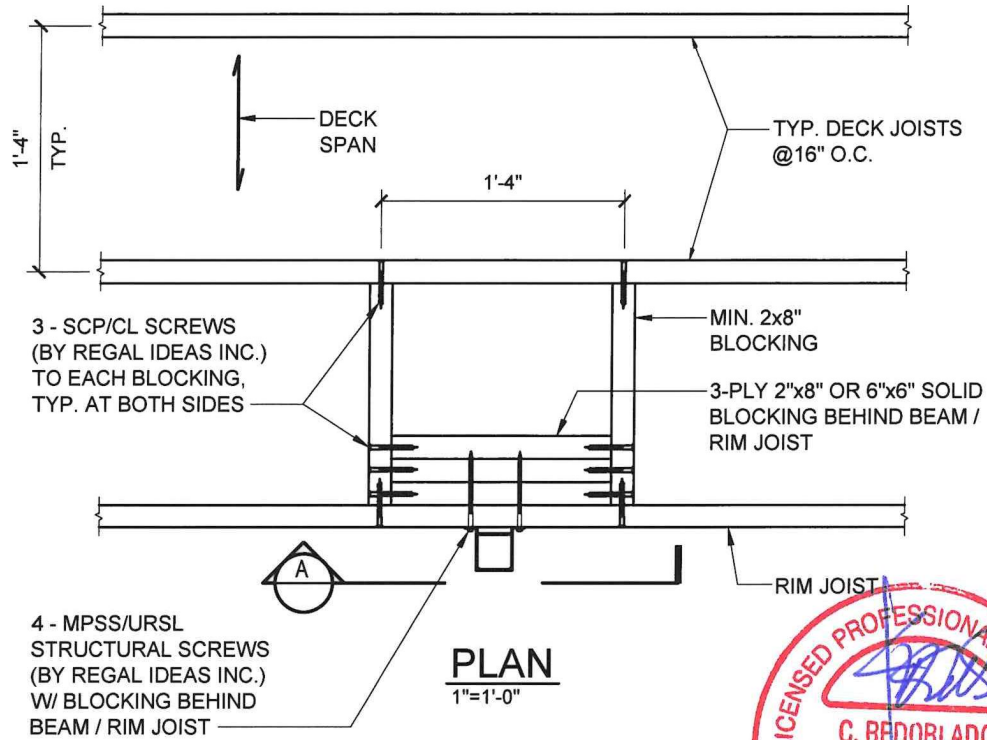
CLIENT: REGAL IDEAS INC.

SHEET CONTENT: ALUMINUM POST SIDE MOUNT CONN.

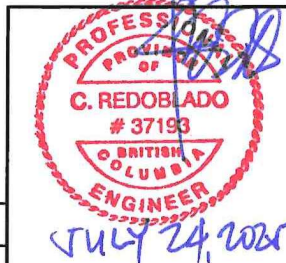
No.	DESCRIPTION	DATE	BY	CHK
2	STANDARD DETAIL	APR. 25, 2025	RS	CFR
1	STANDARD DETAIL	OCT. 27, 2020	HY	CFR

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DATE: 10/27/2020	SCALE: AS SHOWN	PROJECT NO.: R10-1	SHEET NO.: R10-1-002
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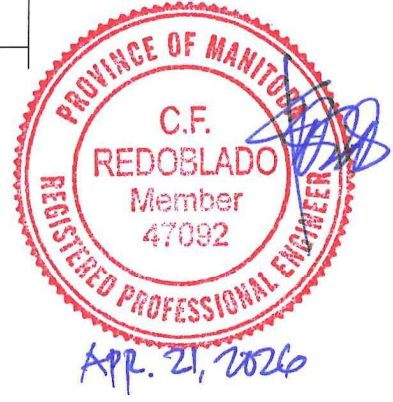
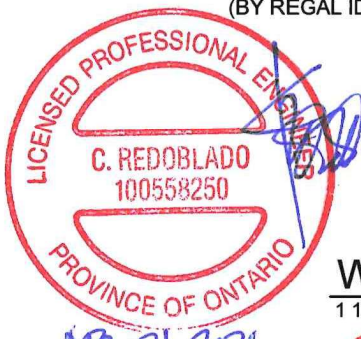
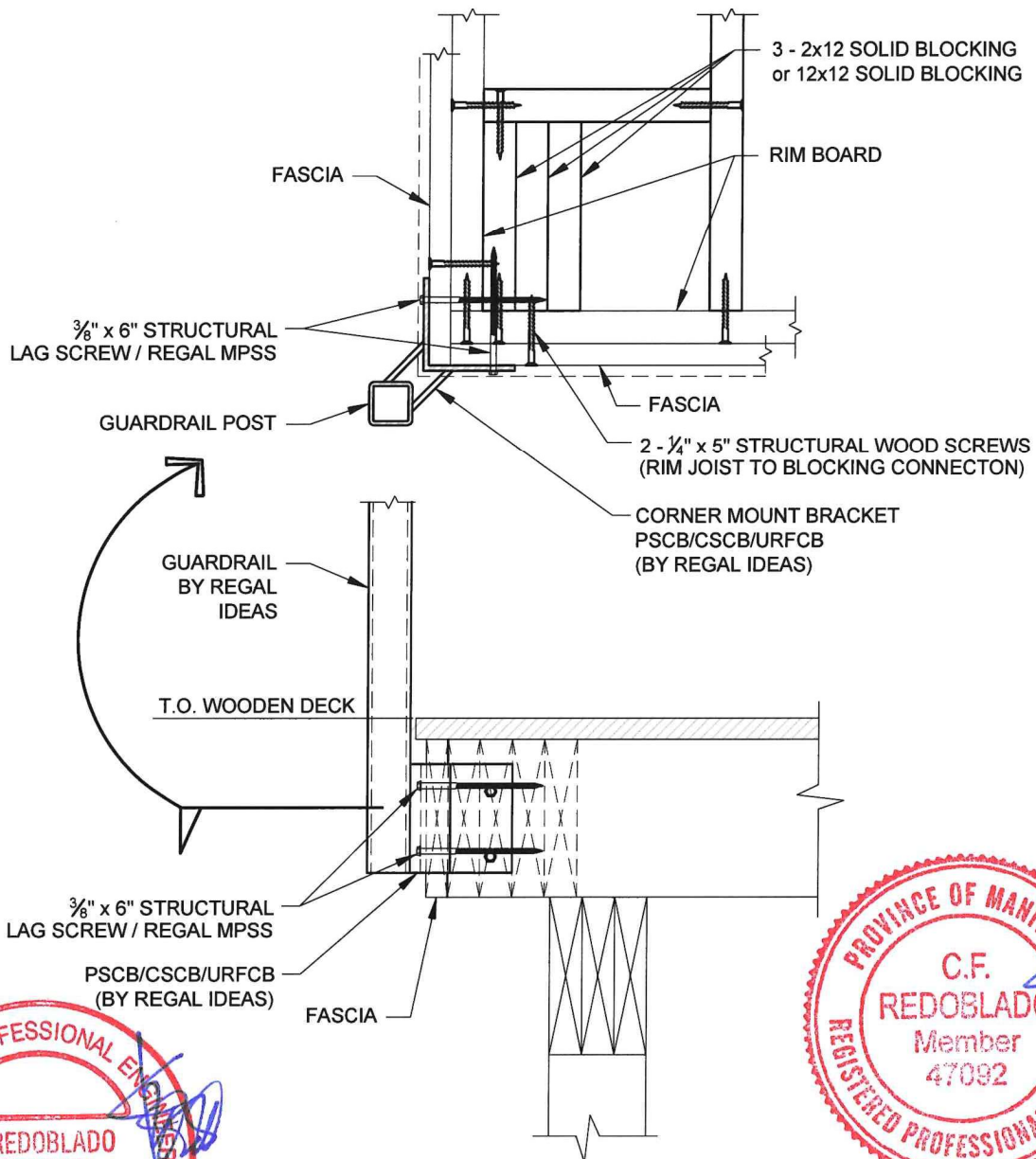
ALUMINUM POST SIDE MOUNT CONNECTION
(DECK JOISTS PARALLEL TO RIM JOIST)



JU DESIGN ENGINEERING LTD. UNIT C410 - 20178 96 AVENUE, LANGLEY BC CANADA V1M 0B2 T: 604-533-8423 W: www.jcdesigneng.com			
PROJECT: RAIL POST CONNECTION			
CLIENT: REGAL IDEAS INC.			
SHEET CONTENT: ALUMINUM POST SIDE MOUNT CONN.			
DATE: 10/27/2020	SCALE: AS SHOWN	PROJECT NO.: R10-1	SHEET NO.: R10-1-003

No.	DESCRIPTION	DATE	BY	CHK
2	STANDARD DETAIL	APR. 25, 2025	RS	CFR
1	STANDARD DETAIL	OCT. 27, 2020	HY	CFR

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WOOD FASCIA CORNER MOUNTING DETAIL

1 1/2"=1'-0"



PERMIT TO PRACTICE NO.: 1002872 		JCJ DESIGN ENGINEERING LTD. C410 - 20178 96 AVENUE LANGLEY BC CANADA V1M 0B2 T: 604-533-8423 W: www.jcjdesigneng.com	
PROJECT:		FASCIA MOUNT CORNER BRACKET	
CLIENT:		REGAL IDEAS INC.	
SHEET CONTENT:		STRUCTURAL NOTES	
DATE:	SCALE:	PROJECT NO.:	SHEET NO.:
02/13/2026	AS SHOWN	R10-11	01

No.	DESCRIPTION	DATE	BY	CHK
3	REVISED PER COMMENTS	APR. 8, 2026	RS	CFR
2	REVISED PER COMMENTS	MAR. 03, 2026	RS	CFR
1	STANDARD DETAIL	FEB. 18, 2026	RS	CFR

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