

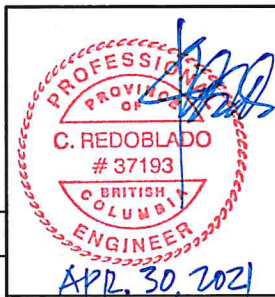
## STRUCTURAL NOTES:

### GENERAL

1. THE GUARDRAIL POST CONNECTION AS DESCRIBED IN THESE DRAWINGS HAVE BEEN DESIGNED IN SUBSTANTIAL COMPLIANCE WITH THE NBC 2015, OBC 2017 AND BCBC 2018.
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 2015, OBC 2017 AND BCBC 2018.
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.



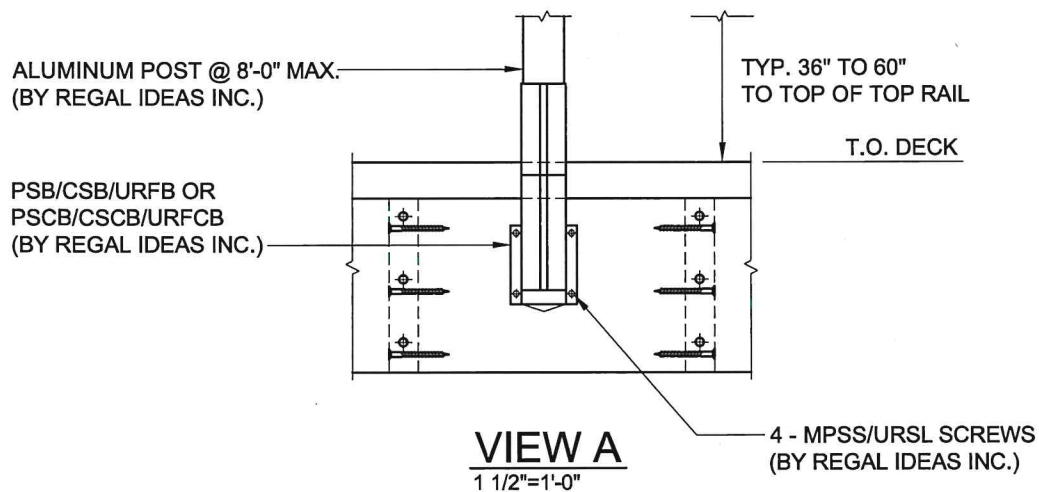
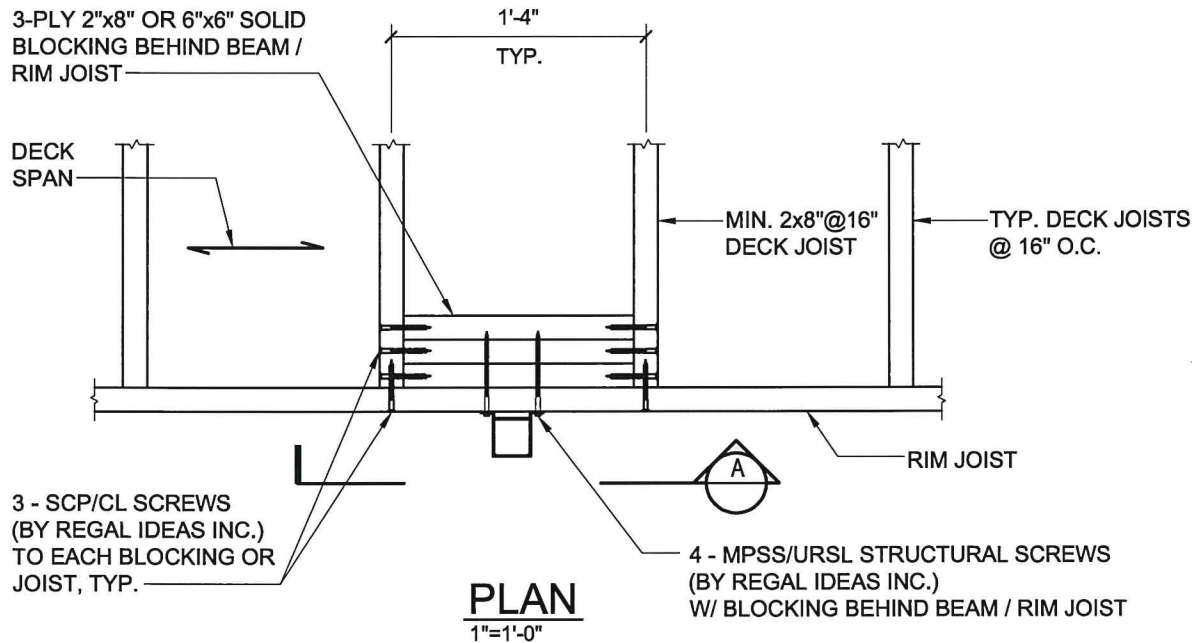
**JCJ DESIGN ENGINEERING LTD.**  
UNIT 205 - 20641 LOGAN AVENUE LANGLEY BC CANADA V3A 7R3  
T: 604-533-8423 W: www.jcjdengineer.com

PROJECT: RAIL POST CONNECTION

CLIENT: REGAL IDEAS INC.

SHEET CONTENT: STRUCTURAL NOTES

1	STANDARD DETAIL	OCT. 13, 2020	HY	CFR	THIS DRAWING IS FOR READ ONLY PURPOSES. NO DUPLICATION OR REPRODUCTION OF ANY KIND IS PERMITTED WITHOUT THE WRITTEN CONSENT OF JCJ DESIGN ENGINEERING LTD.	DATE: 10/13/2020	SCALE: AS SHOWN	PROJECT NO.: R10-1	SHEET NO.: R10-1-001	1
No.	DESCRIPTION	DATE	BY	CHK						



## ALUMINUM POST SIDE MOUNT CONNECTION

(DECK JOISTS PERPENDICULAR TO RIM JOIST)



**JCJ DESIGN ENGINEERING LTD.**  
UNIT 205 - 20641 LOGAN AVENUE LANGLEY BC CANADA V3A 7R3  
T: 604-533-8423 W: www.jcjdsgneng.com

PROJECT: RAIL POST CONNECTION

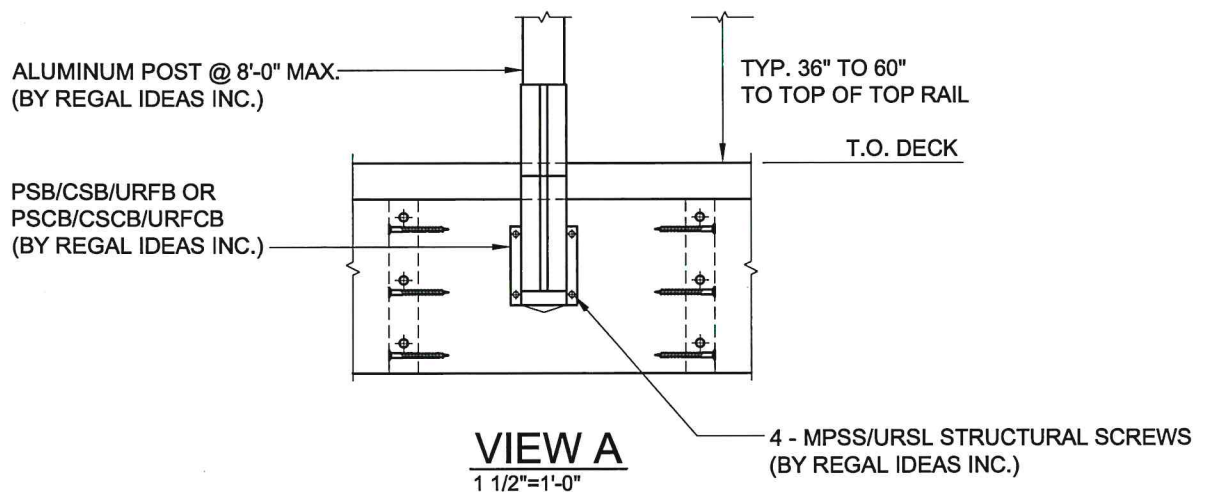
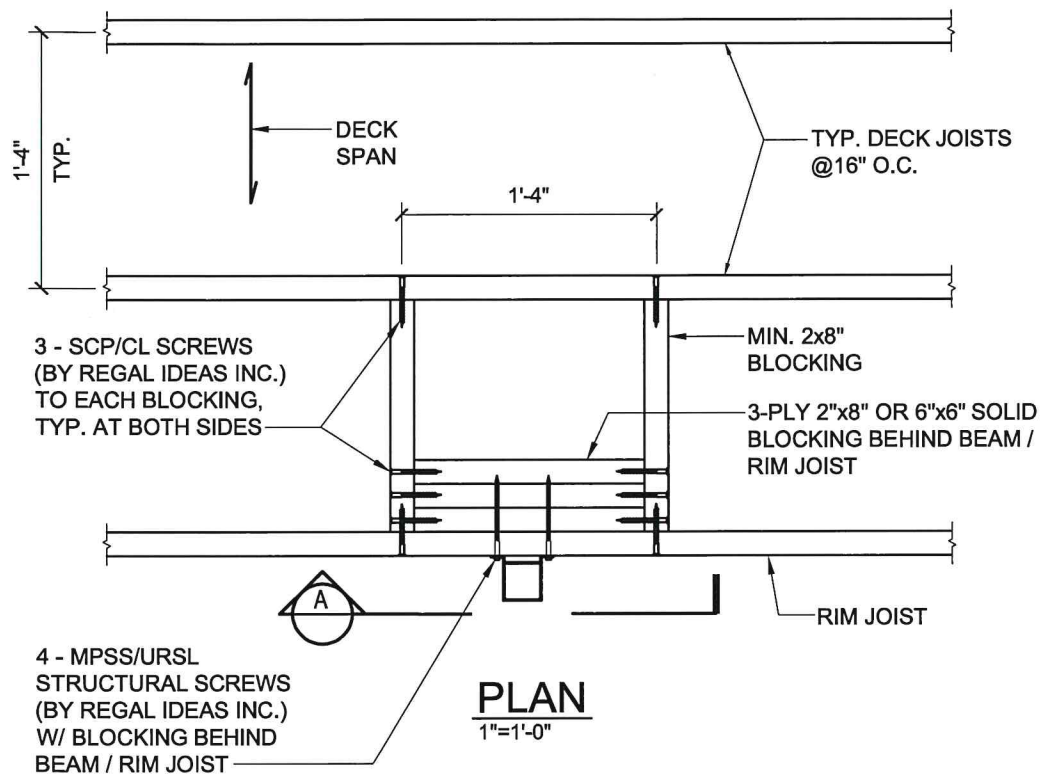
CLIENT: REGAL IDEAS INC.

SHEET CONTENT: ALUMINUM POST SIDE MOUNT CONN.

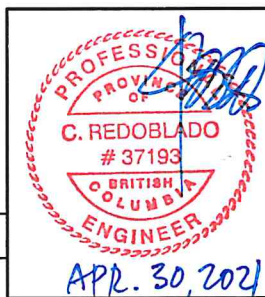
No.	DESCRIPTION	DATE	BY	CHK
1	STANDARD DETAIL	OCT. 27, 2020	HY	CFR

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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)



**JCJ DESIGN ENGINEERING LTD.**  
UNIT 205 - 20641 LOGAN AVENUE LANGLEY BC CANADA V3A 7R3  
T: 604-533-8423 W: www.jcjdengine.com

PROJECT: RAIL POST CONNECTION

CLIENT: REGAL IDEAS INC.

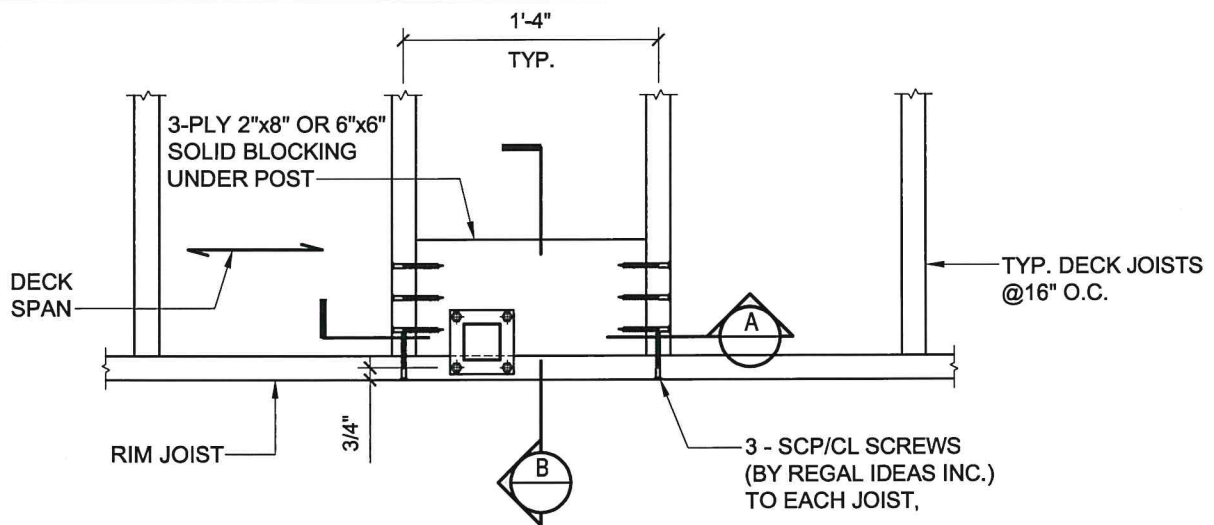
SHEET CONTENT: ALUMINUM POST SIDE MOUNT CONN.

No.	DESCRIPTION	DATE	BY	CHK
1	STANDARD DETAIL	OCT. 27, 2020	HY	CFR

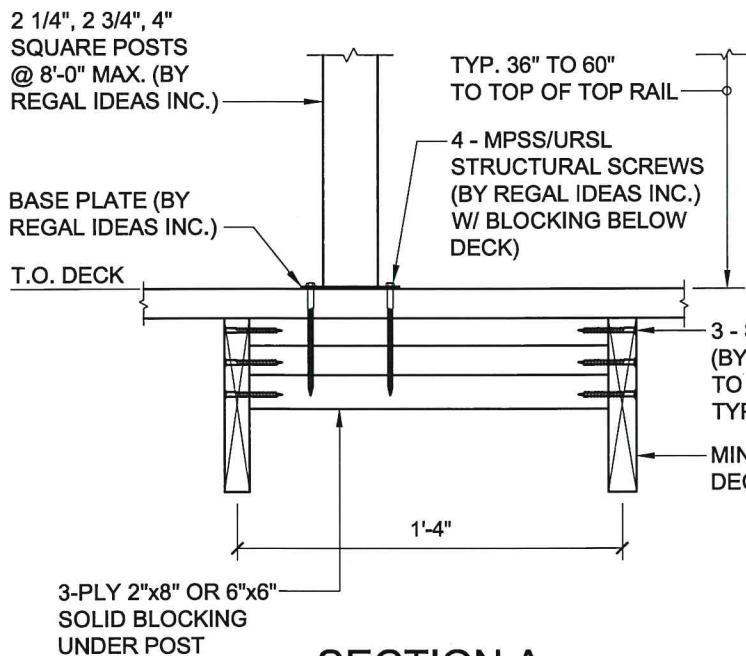
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DATE: 10/27/2020	SCALE: AS SHOWN	PROJECT NO.: R10-1	SHEET NO.: R10-1-003
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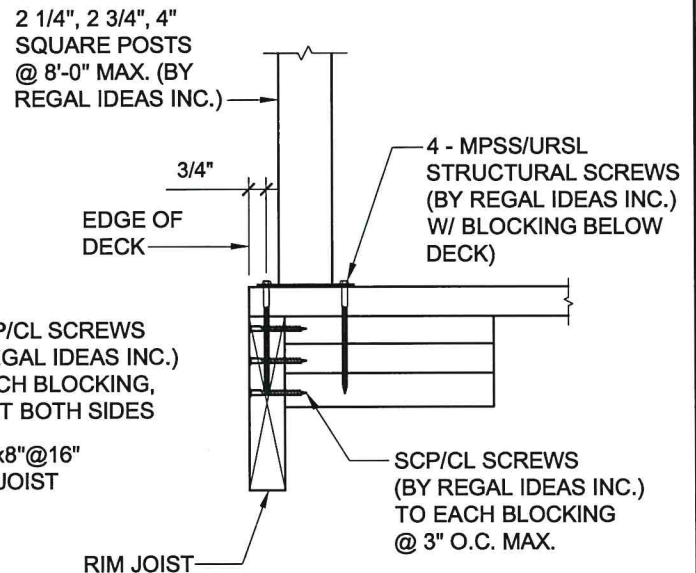




**PLAN**  
1"=1'-0"

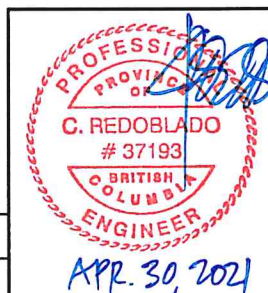


**SECTION A**  
1 1/2"=1'-0"



**SECTION B**  
1 1/2"=1'-0"

**POST TOP MOUNT CONNECTION**  
(DECK JOISTS PERPENDICULAR TO RIM JOIST)



**JC DESIGN ENGINEERING LTD.**  
UNIT 205 - 20841 LOGAN AVENUE LANGLEY BC CANADA V3A 7R3  
T: 604-533-8423 W: www.jcdesigneng.com

PROJECT: RAIL POST CONNECTION

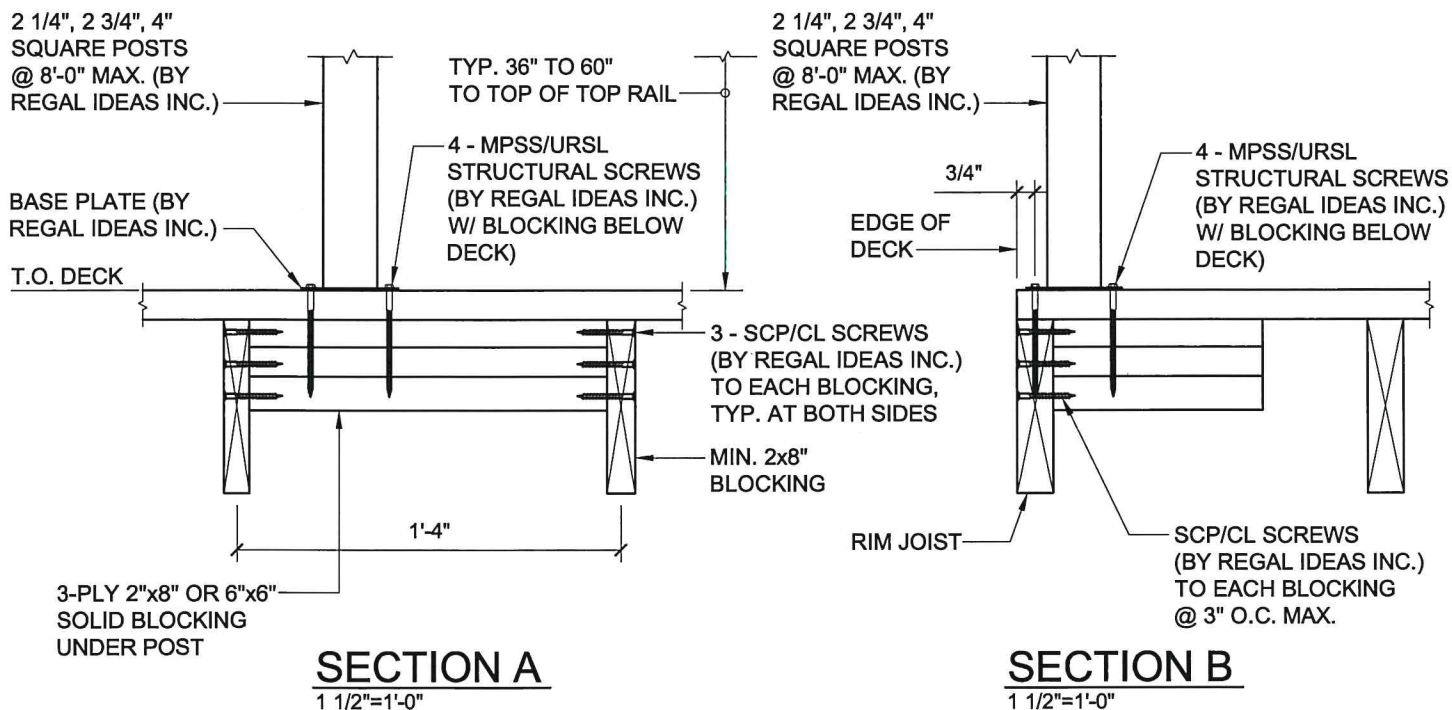
CLIENT: REGAL IDEAS INC.

SHEET CONTENT: POST TOP MOUNT CONN.

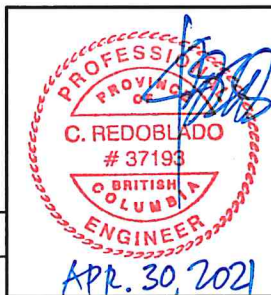
No.	DESCRIPTION	DATE	BY	CHK
1	STANDARD DETAIL	OCT. 27, 2020	HY	CFR

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DATE: 10/27/2020	SCALE: AS SHOWN	PROJECT NO.: R10-1	SHEET NO.: R10-1-004
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## POST TOP MOUNT CONNECTION (DECK JOISTS PARALLEL TO RIM JOIST)



PROJECT:	RAIL POST CONNECTION
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CLIENT: REGAL IDEAS INC.

SHEET CONTENT:

POST TOP MOUNT CONN.

1	STANDARD DETAIL	OCT. 27, 2020	HY	CFR	THIS DRAWING IS FOR READ ONLY PURPOSES. NO DUPLICATION OR REPRODUCTION OF ANY KIND IS PERMITTED WITHOUT THE WRITTEN CONSENT OF JCJ DESIGN ENGINEERING LTD.	DATE: 10/27/2020	SCALE: AS SHOWN	PROJECT NO.: R10-1	SHEET NO.: R10-1-005
No.	DESCRIPTION	DATE	BY	CHK					