

CONCRETE SLAB ($f_c = 28 \text{ MPa MIN.}$)
 (CONTRACTOR TO CONFIRM AND
 ENSURE CONCRETE SLAB
 REINFORCEMENT IS NOT COMPROMISED
 BY ANCHOR INSTALLATION)

SECTION

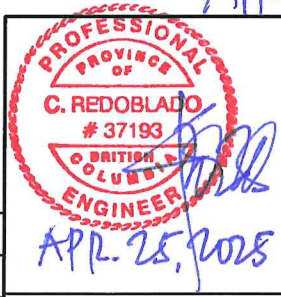
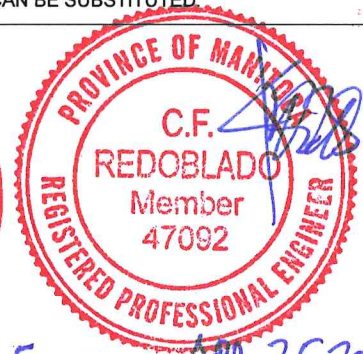
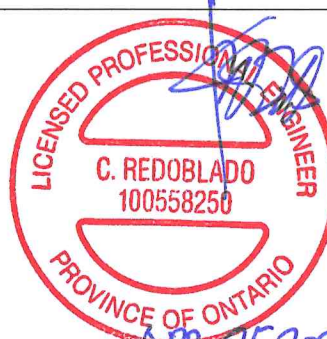
1 1/2"=1'-0"

POST SIZE	POST SPACING	MAX. POST HEIGHT	FASTENER TYPE	MIN. EMBED	MIN. EDGE DISTANCE	MIN. CAPACITY (PER FASTENER)	
						TENSION	SHEAR
2 1/4"	6' - 0"	60"	3/8"Ø HILTI KWIK BOLT TZ2 WEDGE ANCHOR	3"	3"	3,235 Lbs. (14.4 kN)	8,400 Lbs. (37.4 kN)
2 1/4", 2 3/4", 4"	8' - 0"	42"	3/8"Ø HILTI KWIK BOLT TZ2 WEDGE ANCHOR	3"	3"	3,235 Lbs. (14.4 kN)	8,400 Lbs. (37.4 kN)

CONCRETE ANCHORS WITH EQUIVALENT OR BETTER ALLOWABLE TENSION AND SHEAR LOADS CAN BE SUBSTITUTED.

NOTE:

- ALUMINUM POST & BASE PLATE PROPRIETARY & DESIGNED BY OTHERS
- RESPONSIBILITY FOR BASE STRUCTURE TO SUPPORT GUARDRAIL LOADING BY OTHERS
- FOR EXTERIOR PROJECTS, ANCHORS MUST BE DESIGNED FOR CORROSION RESISTANCE & OUTDOOR USE



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PROJECT: GUARDRAIL POST ANCHORAGE DETAILS

CLIENT: REGAL IDEAS INC.

SHEET CONTENT: GUARDRAIL POST ANCHORAGE TO CONC.

DATE: 12/07/2021 SCALE: AS SHOWN PROJECT NO.: R10-5A SHEET NO.: R10-5A-001

3	ISSUED FOR REVIEW	APR. 25, 2025	RS	CFR
2	ISSUED FOR REVIEW	MAY 21, 2024	RB	CFR
1	ISSUED FOR CONSTRUCTION	JAN. 24, 2022	HY	CFR
No.	DESCRIPTION	DATE	BY	CHK

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