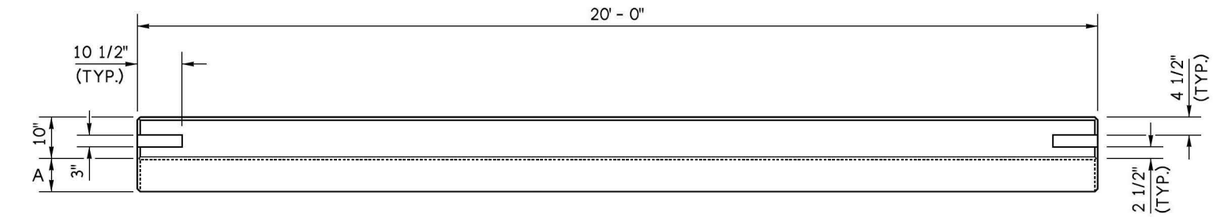
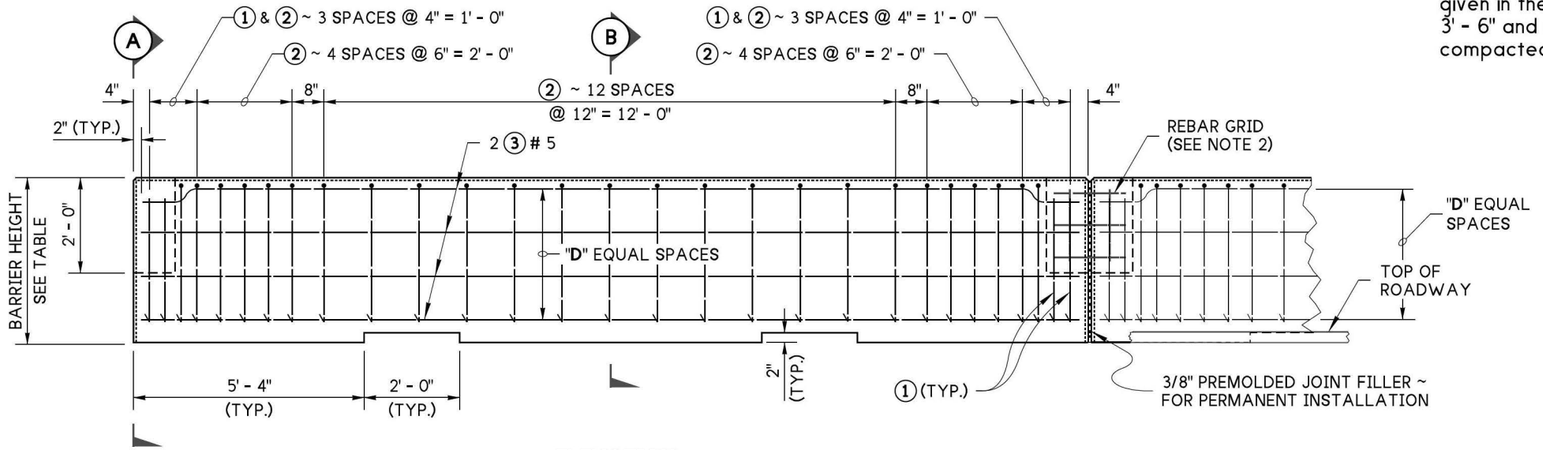
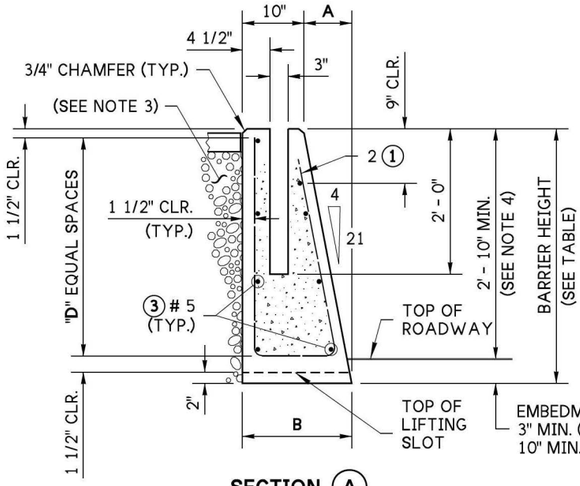
DRAWN BY: FERN LIDDELL



PLAN



ELEVATION



SECTION (A)

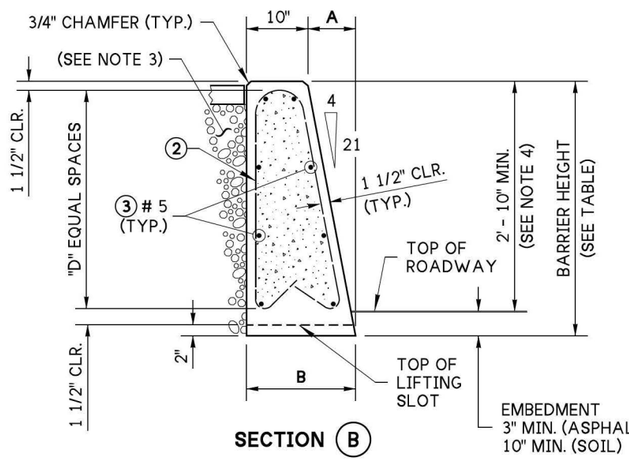
NOTES

1. PERMANENT INSTALLATION requirements: Embed barrier 3" (in) minimum in asphalt or concrete; Embed barrier 10" (in) minimum in compacted base material; (e.g., CSBC, select borrow, gravel borrow, native soil, etc.). Install 3/8" (in) Premolded Joint Filler between segments; fill the Connection Blockout with grout, centering the Rebar Grid in the blockout before adding grout.

2. See **Standard Plan C-70.10** for REBAR GRID DETAIL and BARRIER CONNECTION DETAIL.

3. Vertical Back Barrier is used only in the configurations shown in **Standard Plans C-85.10** and **C-85.11**, and when placed against a retaining wall.

4. When High-Performance Concrete Barrier is specified in the Contract, use the dimensions given in the H/P row in the DIMENSION TABLE, with a minimum height above roadway of 3' - 6" and a minimum embedment of 3" (in) in asphalt or concrete, or 10" (in) minimum in compacted base material (e.g., CSBC, select borrow, gravel borrow, native soil, etc.).

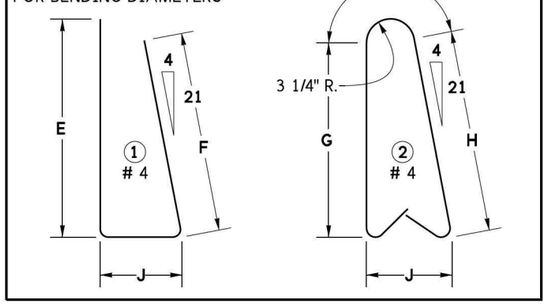


SECTION (B)

NOTE:
STEEL WELDED WIRE REINFORCEMENT DEFORMED FOR CONCRETE MAY BE SUBSTITUTED FOR REINFORCING STEEL IN ACCORDANCE WITH **STANDARD SPECIFICATION SECTION 6-10.3**

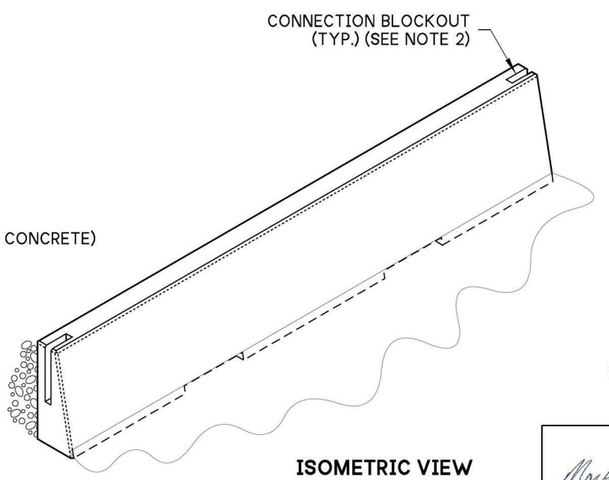
REINFORCING STEEL BENDING DIAGRAM

SEE **STD. SPEC. SECT. 9-07.1(2)** FOR BENDING DIAMETERS



DIMENSION TABLE (SEE NOTE 4)

	BARRIER HEIGHT	A	B	D	E	F	G	H	J	HORIZONTAL BARS (QTY.)
STD.	3' - 6"	8"	1' - 6"	3	3' - 0"	2' - 8 1/2"	2' - 8"	2' - 9 1/2"	1' - 2"	8
H/P	4' - 0"	9 1/8"	1' - 7 1/8"	4	3' - 6"	3' - 2 1/2"	3' - 2"	3' - 3 1/2"	1' - 3"	10



ISOMETRIC VIEW

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Sep 3, 2026

SINGLE-SLOPE CONCRETE BARRIER (PRECAST) VERTICAL BACK STANDARD PLAN C-75.20-04

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Mark A Peaires Sep 3, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation