

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No.

TOTAL
SHEETS

REGISTERED CIVIL ENGINEER

X
DATE

PLANS APPROVAL DATE

X
No. X
Exp. X
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS
SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR
COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION
AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.

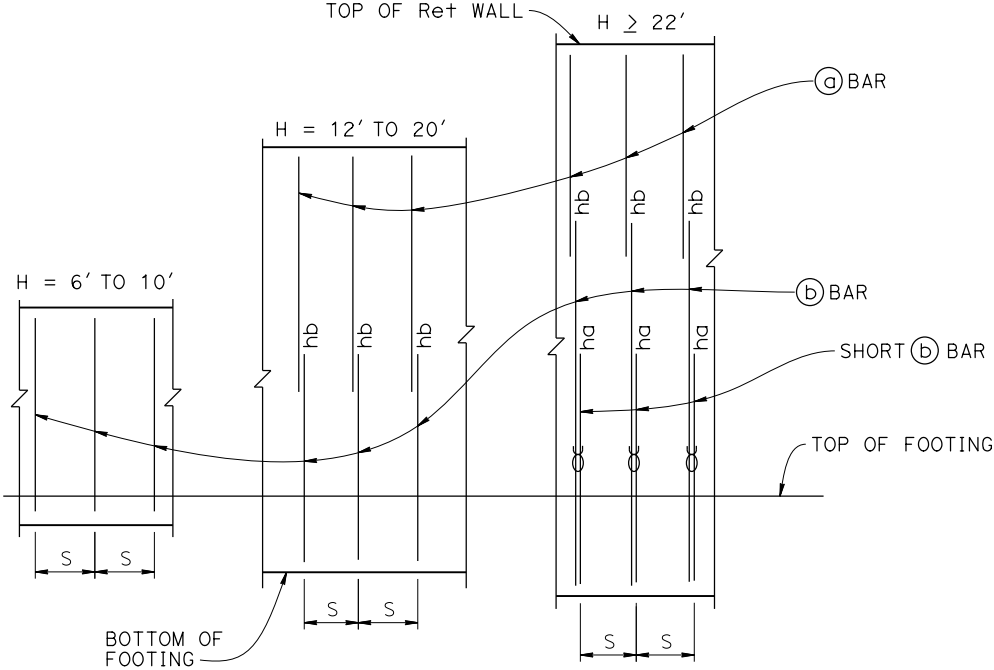
TABLE OF REINFORCING STEEL DIMENSIONS AND DATA														
Design Height, H	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'
Footing Width, W	6'-9"	7'-4"	8'-1"	8'-9"	9'-7"	10'-5"	11'-2"	12'-3"	13'-3"	14'-3"	15'-3"	16'-4"	17'-6"	18'-6"
Footing Toe, C	2'-8"	2'-11"	3'-0"	3'-2"	3'-3"	3'-4"	3'-8"	3'-11"	4'-4"	4'-7"	4'-10"	5'-0"	5'-5"	5'-8"
Footing Heel, B	4'-1"	4'-5"	5'-1"	5'-7"	6'-4"	7'-1"	7'-6"	8'-4"	8'-11"	9'-8"	10'-5"	11'-4"	12'-1"	12'-10"
Footing Thickness, F	1'-3"	1'-6"	1'-6"	1'-6"	1'-8"	1'-9"	2'-0"	2'-3"	2'-6"	2'-9"	3'-2"	3'-3"	3'-6"	4'-0"
Batter Backface	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	5/8:12	5/8:12	5/8:12	3/4:12	3/4:12	7/8:12	1:12	1:12
Ⓐ BARS	-	-	-	#5 @ 6	#5 @ 6	#5 @ 6	#5 @ 6	#5 @ 6	#6 @ 8	#6 @ 8	#6 @ 8	#6 @ 8	#6 @ 8	#6 @ 8
Ⓑ BARS	#5 @ 6	#5 @ 5	#7 @ 7	#7 @ 6	#8 @ 6	#8 @ 6	#9 @ 6	#9 @ 6	#8 @ 8 Ⓞ	#9 @ 8 Ⓞ	#9 @ 8 Ⓞ	#9 @ 8 Ⓞ	#10 @ 8 Ⓞ	#10 @ 8 Ⓞ
"ha"	-	-	-	-	-	-	-	-	12'-0"	12'-0"	14'-0"	14'-6"	14'-0"	16'-0"
"hb"	-	-	-	6'-0"	8'-0"	10'-0"	11'-0"	13'-0"	16'-6"	18'-6"	20'-0"	20'-6"	22'-0"	24'-0"
Ⓒ BARS	#5 @ 12	#5 @ 10	#5 @ 7	#5 @ 6	#5 @ 6	#6 @ 6	#7 @ 6	#7 @ 6	#9 @ 8	#10 @ 8	#10 @ 8	#9 @ 8 Ⓞ	#9 @ 8 Ⓞ	#9 @ 8 Ⓞ
SER: B'(ft), q ₀ (ksf)	5.7, 1.5	5.9, 1.8	6.3, 2.0	6.6, 2.2	7.1, 2.5	7.6, 2.8	8.0, 3.1	8.8, 3.4	9.5, 3.6	10.2, 4.0	10.7, 4.4	11.5, 4.7	12.5, 4.9	13.0, 5.3
STR: B'(ft), q ₀ (ksf)	5.6, 2.0	5.7, 2.3	6.1, 2.7	6.4, 3.0	6.8, 3.5	7.3, 3.9	7.6, 4.3	8.3, 4.7	8.9, 5.2	9.5, 5.7	10.0, 6.4	10.8, 6.8	11.7, 7.1	12.1, 7.9
EXT: B'(ft), q ₀ (ksf)	4.1, 1.9	4.5, 2.3	4.9, 2.7	5.2, 3.2	5.5, 3.8	5.7, 4.5	5.9, 5.2	6.5, 5.8	7.0, 6.3	7.4, 7.0	7.7, 7.9	8.2, 8.5	8.9, 8.9	9.1, 9.9

NOTES:

1. "ha" and "hb" above Ⓑ bars indicates distance from top of footing to upper end of Ⓑ bars, see Table.
2. "S" is Ⓐ and Ⓑ bar spacing, see Table.
3. Minimum lap splice for Ⓐ and Ⓑ bars is 45 x reinforcement diameter of Ⓐ bar. Lap splice begins at a distance "hb" above footing.

LEGEND:

- Ⓞ : Bundled Reinforcement
- SER: Service limit state
- STR: Strength limit state
- EXT: Extreme event limit state
- B' : Effective footing width (ft)
- q₀' : Net bearing stress (ksf)
- q₀ : Gross uniform bearing stress (ksf)



ELEVATION

NO SCALE

Refer to: <http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html>

DATE PLOTTED => 31-AUG-2026

TIME PLOTTED => 14:09

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

FILE => xs14-210-2.dgn

USERNAME => s136247