Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

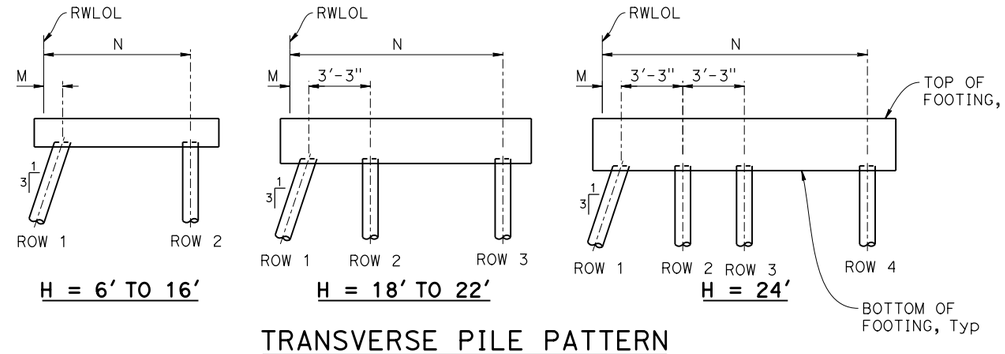
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

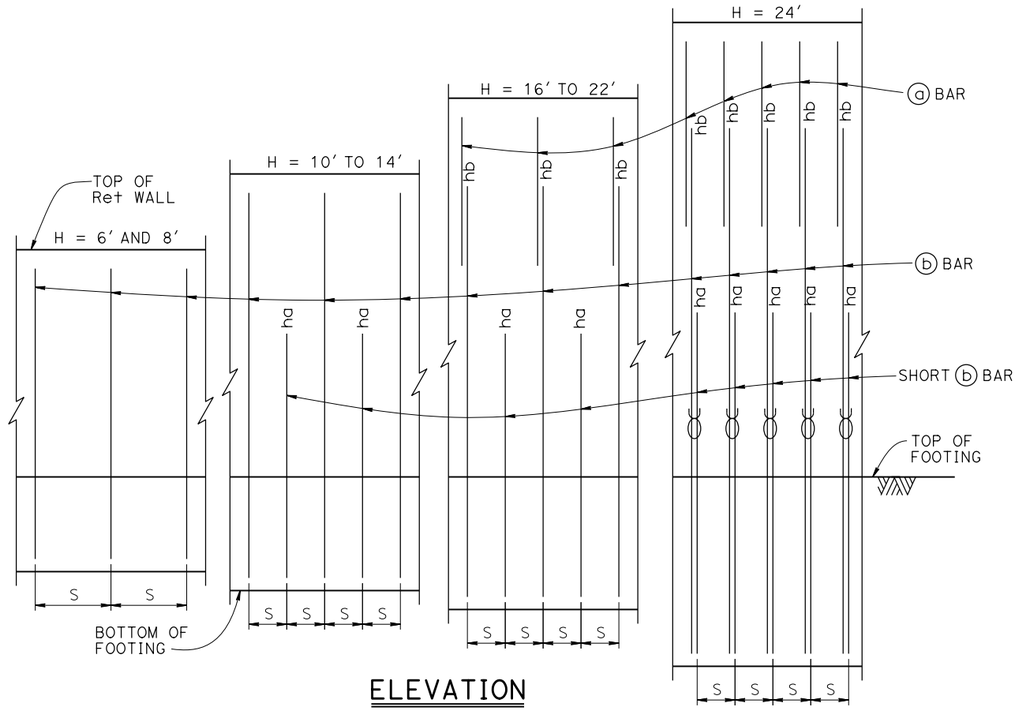
TABLE OF PILE SPACING, REINFORCING STEEL DIMENSIONS AND DATA										
Design Height, H	6′	8′	10′	12′	14′	16′	18′	20′	22′	24′
Footing Width, W	8′-9"	9′-0"	9′-3"	9′-9"	10′-3"	10′-9"	12′-0"	13′-0"	14′-6"	16′-0"
Footing Thickness, F	1′-6"	1′-6"	1′-6"	1′-6"	1′-9"	2′-0"	2′-0"	2′-6"	2′-9"	2′-9"
M	1′-0"	1′-0"	1′-0"	1′-0"	1′-0"	1′-0"	1′-0"	1′-0"	1′-0"	1′-0"
N	6′-9"	7′-0"	7′-3"	7′-9"	8′-3"	8′-9"	10′-0"	11′-0"	12′-6"	14′-0"
ROW 1 Spacing	8′-6"	7′-3"	6′-3"	5′-3"	4′-6"	3′-9"	3′-9"	3′-9"	3′-9"	3′-9"
ROW 2 Spacing	13′-6"	12′-0"	11′-6"	10′-3"	9′-3"	6′-6"	7′-0"	6′-0"	4′-0"	3′-9"
ROW 3 Spacing	-	-	-	-	-	-	7′-6"	6′-0"	5′-6"	5′-6"
ROW 4 Spacing	-	-	-	-	-	-	-	-	-	4′-6"
Batter Backface	-	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
ⓐ BARS	-	-	-	-	-	#7 @ 15	#7 @ 12	#7 @ 12	#8 @ 12	#6 @ 6
ⓑ BARS	#8 @ 12	#8 @ 12	#7 @ 6	#7 @ 6	#7 @ 6	#9 @ 7 1/2	#9 @ 6	#10 @ 6	#10 @ 6	#8 @ 6 ϑ
"ha"	-	-	5′-0"	6′-0"	7′-0"	7′-0"	6′-0"	7′-0"	7′-0"	7′-6"
"hb"	-	-	-	-	-	11′-6"	12′-0"	13′-3"	16′-0"	15′-6"
ⓒ BARS	#6 @ 6	#6 @ 6	#7 @ 6	#8 @ 6	#9 @ 6	#10 @ 7 1/2	#8 @ 6 ϑ	#9 @ 6 ϑ	#9 @ 6 ϑ	#10 @ 6 ϑ
"hz"	3′-6"	3′-6"	3′-6"	4′-0"	4′-3"	7′-0"	4′-9"	5′-6"	6′-3"	7′-6"
ⓓ BARS	#6 @ 12	#5 @ 12	#5 @ 12	#5 @ 12	#5 @ 12	#5 @ 15	#5 @ 12	#5 @ 12	#6 @ 12	#5 @ 12
ⓔ BARS	8-#8 @ 11	8-#7 @ 11	8-#7 @ 11	8-#7 @ 13	8-#7 @ 16	10-#5 @ 15	8-#5 @ 12	#5 @ 18	#5 @ 18	#5 @ 18

LEGEND:

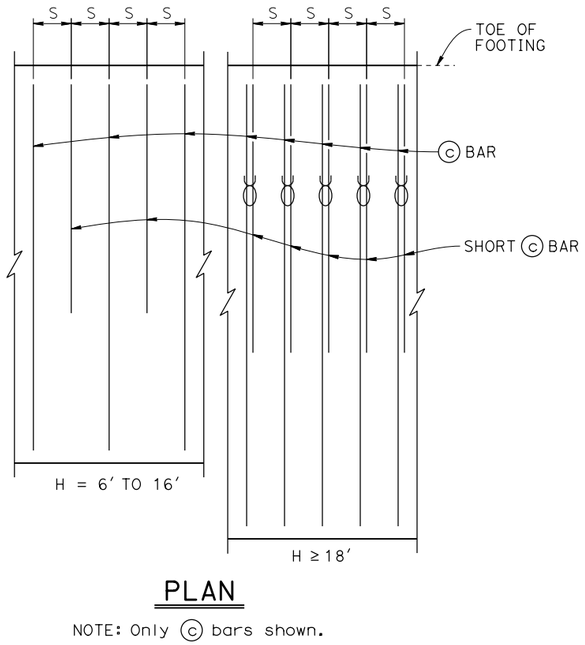
ϑ : Bundled Reinforcement



TRANSVERSE PILE PATTERN



ELEVATION



PLAN

NOTE: Only ⓒ bars shown.

NOTES:

1. All piles are Class 90 concrete driven piles.
2. All battered piles shown are 1:3.
3. Minimum distance between center pile and edge of footing is 1′-6".
4. Lateral resistance of each pile:

 30 kip for strength limit states

 40 kip for extreme limit states

 (Pile group reduction factors are not applied, unless soil passive resistance on footing is included)
5. Maximum longitudinal spacing between piles is shown in the Table. Reduce to suit the length of footing.
6. Minimum distance between any two piles is 3′-0".
7. "ha" and "hb" above ⓑ bars indicates distance from top of footing to upper end of ⓑ bars, see Table.
8. "S" is ⓑ bar and ⓒ bar spacing, see Table.
9. Minimum lap splice for ⓐ and ⓑ bars is 45 x reinforcement diameter of ⓐ bar. Lap splice begins at a distance "hb" above footing.
10. Total ⓔ bars are top and bottom combined, where applicable.

NO SCALE

BRIDGE STANDARD DETAILS		DESIGN	BY X	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. XX-XXXX	X
xs14-360-2 FILE NO.	August 2026 APPROVAL DATE	DETAILS	BY X	CHECKED X			POST MILE X.X	RETAINING WALL (TYPE 5SWP) DETAILS No. 2
		QUANTITIES	BY X	CHECKED X				

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 => 14:10
FILE => xs14-360-2.dgn USERNAME => s136247
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: XXXX COUNTY/ROUTE/ZONE: XXX/XXX/X
PROJECT NUMBER & PHASE: XXXXXXXXXX1 CONTRACT No.: XX-XXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
				X	X