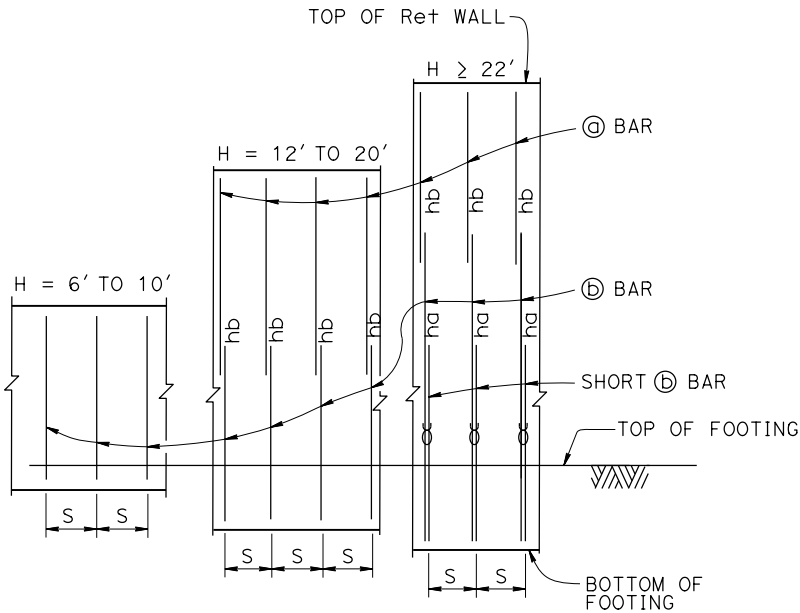


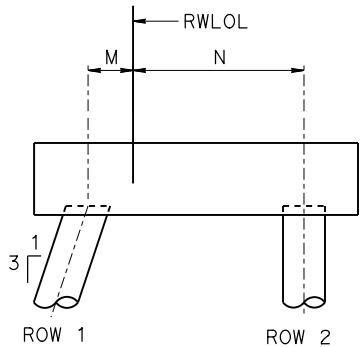
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X DATE		
PLANS APPROVAL DATE			X No. X Exp. X CIVIL STATE OF CALIFORNIA		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS 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 PILE SPACING, 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'-0"	7'-6"	7'-9"	8'-3"	9'-0"	10'-0"	11'-0"	12'-3"	13'-3"	14'-3"	15'-3"	16'-6"	17'-6"
Footing Toe, C	2'-0"	2'-2"	2'-4"	2'-3"	2'-6"	2'-9"	2'-10"	3'-8"	4'-1"	4'-6"	4'-10"	5'-2"	5'-7"	6'-0"
Footing Heel, B	4'-9"	4'-10"	5'-2"	5'-6"	5'-9"	6'-3"	7'-2"	7'-4"	8'-2"	8'-9"	9'-5"	10'-1"	10'-11"	11'-6"
Footing Thickness, F	1'-9"	1'-9"	1'-9"	1'-9"	1'-9"	2'-0"	2'-0"	2'-6"	2'-9"	2'-9"	3'-0"	3'-3"	3'-9"	4'-0"
M	0'-6"	0'-8"	0'-10"	0'-9"	1'-0"	1'-3"	1'-4"	2'-2"	2'-7"	3'-0"	3'-4"	3'-8"	4'-1"	4'-6"
N	3'-3"	3'-4"	3'-8"	4'-0"	4'-3"	4'-9"	5'-8"	5'-10"	6'-8"	7'-3"	7'-11"	8'-7"	9'-5"	10'-0"
Row 1 Spacing	12'-0"	10'-0"	8'-9"	7'-3"	6'-3"	5'-3"	4'-6"	5'-3"	4'-9"	4'-6"	4'-0"	3'-9"	3'-9"	3'-6"
Row 2 Spacing	13'-3"	13'-3"	12'-3"	10'-3"	9'-6"	8'-3"	7'-3"	6'-9"	6'-6"	5'-9"	5'-0"	4'-3"	4'-0"	4'-0"
Row 3 Spacing	-	-	-	-	-	-	-	7'-6"	6'-9"	6'-0"	5'-6"	5'-0"	4'-6"	4'-3"
Row 4 Spacing	-	-	-	-	-	-	-	-	-	-	-	-	5'-0"	4'-9"
Batter	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	#5 @ 6	#6 @ 6	#7 @ 6	#8 @ 8	#8 @ 8	#9 @ 8	#6 @ 4	#9 @ 8	#9 @ 8
⊕ BARS	#5 @ 12	#5 @ 10	#5 @ 7	#5 @ 6	#5 @ 6	#5 @ 6	#7 @ 6	#5 @ 6	#5 @ 8	#6 @ 8	#7 @ 8	#5 @ 4	#6 @ 8	#7 @ 8
⊖ BARS	#6 @ 4	#6 @ 4	#5 @ 4	#5 @ 4	#5 @ 5	#5 @ 8	#5 @ 10	#5 @ 9	#5 @ 10	#5 @ 10	#6 @ 12	#6 @ 12	#6 @ 12	#6 @ 12
Ⓢ BARS	#7 @ 4	#7 @ 4	#6 @ 4	#6 @ 4	#6 @ 5	#6 @ 7	#5 @ 7	#5 @ 7	#5 @ 8	#5 @ 9	#6 @ 12	#6 @ 12	#6 @ 12	#6 @ 12

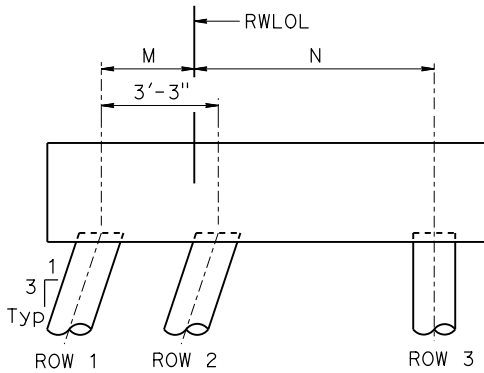
LEGEND:
Ⓢ : Bundled Reinforcement



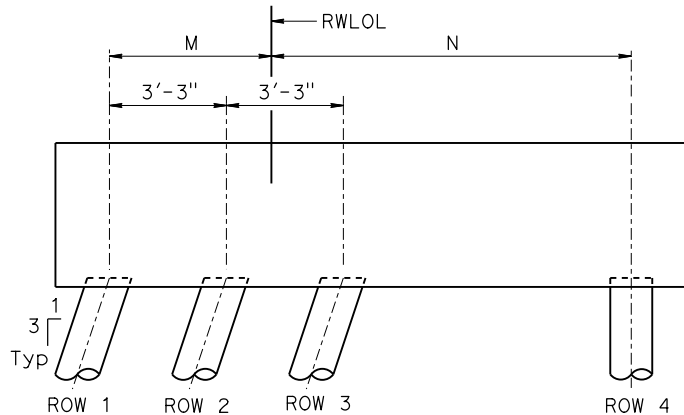
ELEVATION



H = 6'-0" TO 18'-0"



H = 20'-0" TO 28'-0"



H = 30'-0" TO 32'-0"

TRANSVERSE PILE PATTERN

- NOTES:
- All piles are Class 90 concrete piles.
 - Pile battered piles shown are 1:3.
 - Minimum distance between center of pile and edge of footing is 1'-6".
 - Lateral resistance of each pile:
18 kip for service limit states.
30 kip for strength limit states.
40 kip for extreme event limit states.
 - Soil passive resistance with $\phi = 34^\circ$ considered for strength and extreme event limit states. Soil friction on bottom of footing ignored.
 - Maximum spacing between piles is shown in the Table. Reduce to suit the length of footing.
 - Minimum distance between any two piles is 3'-3". Reduce to suit the width of footing, group factors may apply.
 - "ha" and "hb" above ⊕ bars indicates distance from top of footing to upper end of ⊕ bars, see Table.
 - "S" is ⊙ and ⊕ bar spacing, see Table.
 - Minimum Lap Splice for ⊙ and ⊕ bars is 45 x reinforcement diameter of ⊙ bar. Lap splice begins at a distance "hb" above footing.

NO SCALE

BRIDGE STANDARD DETAILS		DESIGN	BY X	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No.	X									
x814-310-2 FILE NO.	August 2026 APPROVAL DATE	DETAILS	BY X	CHECKED X			XX-XXXX POST MILE										
		QUANTITIES	BY X	CHECKED X			X.X										
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html		DATE PLOTTED => 31-AUG-2026 FILE => x814-310-2.dgn		TIME PLOTTED => 14:09 USERNAME => s136247		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0	1	2	3	UNIT: XXXX PROJECT NUMBER & PHASE: XXXXXXXXXX1	COUNTY/ROUTE/ZONE: XXX/XXX/X CONTRACT No.: XX-XXXXX4	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET X	OF X