

TABLE OF WALL DIMENSIONS, REINFORCING STEEL AND DATA														
Design Height, H	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	
Footing Width, W	6'-6"	7'-3"	7'-9"	8'-0"	9'-0"	9'-3"	10'-3"	11'-3"	12'-3"	13'-0"	14'-3"	15'-3"	17'-0"	
Footing Toe, C	5'-3"	6'-0"	6'-3"	6'-6"	7'-3"	7'-3"	8'-0"	8'-6"	9'-6"	10'-0"	10'-10"	11'-6"	13'-2"	
Footing Heel, B	1'-3"	1'-3"	1'-6"	1'-6"	1'-9"	2'-0"	2'-3"	2'-9"	2'-9"	3'-0"	3'-5"	3'-9"	3'-10"	
Footing Thickness, F	2'-6"	2'-6"	2'-9"	2'-9"	2'-9"	2'-9"	3'-0"	3'-0"	3'-3"	3'-6"	3'-9"	4'-0"	4'-3"	
Stem Thickness at Top	1'-0"	1'-0"	1'-3"	1'-3"	1'-7"	1'-11"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-3"	2'-3"	
Batter	0	0	0	0	0	0	0	1/4:12	1/4:12	1/4:12	1/2:12	1/2:12	1/2:12	
M	3'-9"	4'-6"	4'-9"	5'-0"	5'-9"	5'-9"	6'-6"	7'-0"	8'-0"	8'-6"	9'-4"	10'-0"	11'-8"	
N	0'-3"	0'-3"	0'-0"	0'-0"	0'-3"	0'-6"	0'-9"	1'-3"	1'-3"	1'-6"	1'-11"	2'-3"	2'-4"	
Row 1 Spacing	12'-0"	12'-0"	10'-0"	9'-6"	8'-0"	7'-0"	6'-0"	4'-0"	4'-0"	4'-0"	4'-0"	3'-9"	4'-0"	
Row 2 Spacing	20'-0"	20'-0"	16'-0"	14'-0"	14'-0"	12'-0"	10'-0"	10'-0"	8'-0"	4'-0"	7'-6"	6'-6"	4'-0"	
Row 3 Spacing	-	-	-	-	-	-	-	-	-	-	6'-0"	5'-0"	4'-0"	
Ⓐ BARS	-	-	-	-	#5 @ 14	#6 @ 14	#6 @ 13	#6 @ 13	#6 @ 11	#7 @ 12	#7 @ 11	#7 @ 10	#8 @ 11	
Ⓑ BARS	#5 @ 6	#5 @ 5.5	#5 @ 4.5	#6 @ 5	#8 @ 7	#9 @ 7	#9 @ 6.5	#9 @ 6.5	#9 @ 5.5	#10 @ 6	#10 @ 11	#10 @ 10	#11 @ 11	
"ha"	7'-10"	9'-10"	6'-0"	6'-0"	6'-3"	7'-3"	7'-6"	9'-0"	9'-9"	10'-6"	11'-3"	12'-0"	14'-0"	
"hb"	-	-	-	-	12'-0"	11'-9"	13'-0"	14'-6"	15'-6"	18'-6"	20'-6"	21'-6"	23'-0"	
"hx"	5'-0"	5'-9"	6'-0"	6'-3"	7'-0"	7'-0"	7'-9"	8'-3"	8'-9"	9'-6"	10'-7"	10'-6"	12'-11"	
Ⓐ BARS	#5 @ 12	#5 @ 11	#5 @ 9	#5 @ 10	#5 @ 14	#5 @ 14	#5 @ 13	#5 @ 13	#5 @ 11	#5 @ 12	#5 @ 11	#5 @ 10	#5 @ 11	
Ⓐ Bar Length	3'-6"	4'-6"	4'-6"	6'-0"	7'-0"	7'-0"	7'-9"	10'-9"	11'-9"	12'-6"	13'-9"	14'-9"	16'-6"	
Ⓐ BARS	-	-	-	-	-	-	-	-	-	-	#4 @ 11	#4 @ 10	#4 @ 11	
Ⓒ BARS	#4 @ 12	#4 @ 12	#5 @ 15	#5 @ 15	#5 @ 12	#5 @ 12	#6 @ 12	#6 @ 12	#6 @ 12	#6 @ 12	#6 @ 12	#7 @ 12	#7 @ 12	
Ⓓ BARS	#4 @ 18	#4 @ 18	#4 @ 18	#4 @ 18	#4 @ 12	#4 @ 12	#4 @ 12	#4 @ 12	#4 @ 12	#5 @ 12	#5 @ 12	#5 @ 12	#5 @ 12	
H _D (k/ft), SVC	2.6	3.3	4.2	5.1	6.2	7.4	9.0	10.4	12.5	14.5	17.0	19.3	21.8	
H _D (k/ft), Str	4.1	5.2	6.6	8.0	9.4	11.1	13.4	16.0	18.8	21.8	25.6	29.1	32.8	
H _D (k/ft), Ext	5.0	6.5	8.6	10.5	13.0	15.7	19.0	22.5	26.3	30.5	35.7	41.0	46.5	

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)

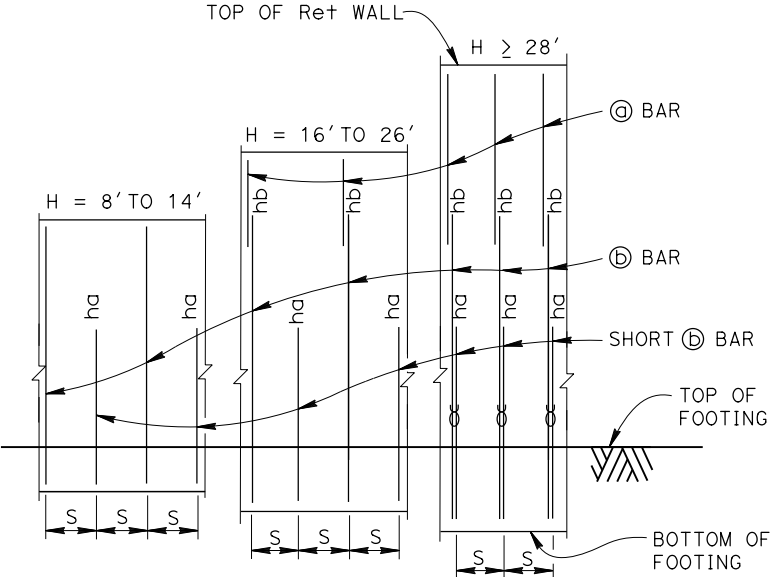
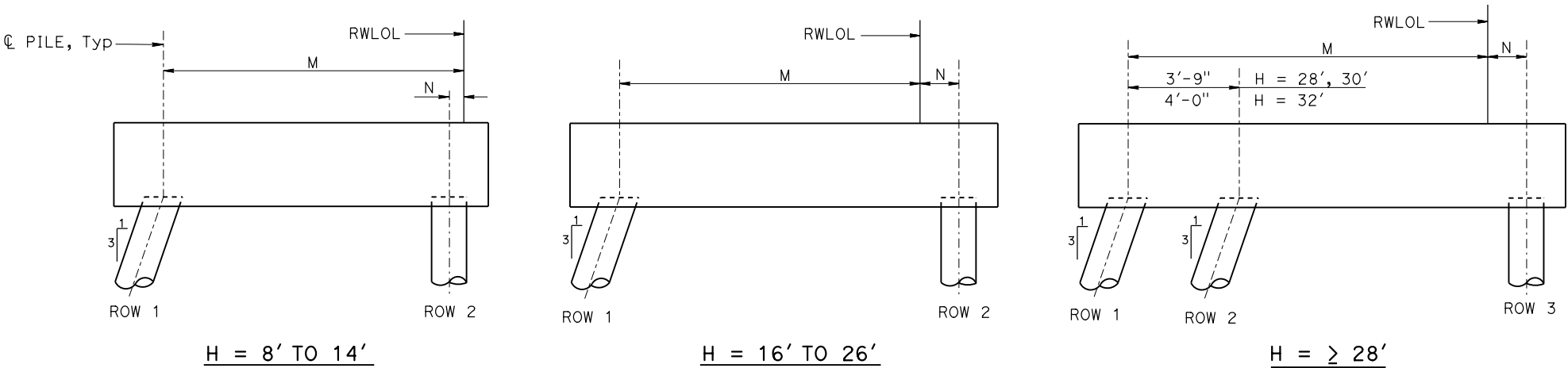
5. Maximum longitudinal spacing between piles is shown in the Table. Reduce to suit the length of footing.
6. Minimum distance between any two piles is 3'-0".

7. "ha" and "hb" above Ⓑ bars indicates distance from top of footing to upper end of Ⓑ bars, see Table.

8. "S" is Ⓑ bar 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.



ELEVATION

NO SCALE

BRIDGE STANDARD DETAILS		DESIGN	BY X	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	X					
xs14-400-2 FILE NO.	August 2026 APPROVAL DATE	DETAILS	BY X	CHECKED X			XX-XXXX						
		QUANTITIES	BY X	CHECKED X			POST MILE X.X						
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html		FILE => xs14-400-2.dgn USERNAME => s136247		TIME PLOTTED => 14:12	DATE PLOTTED => 31-AUG-2026	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