

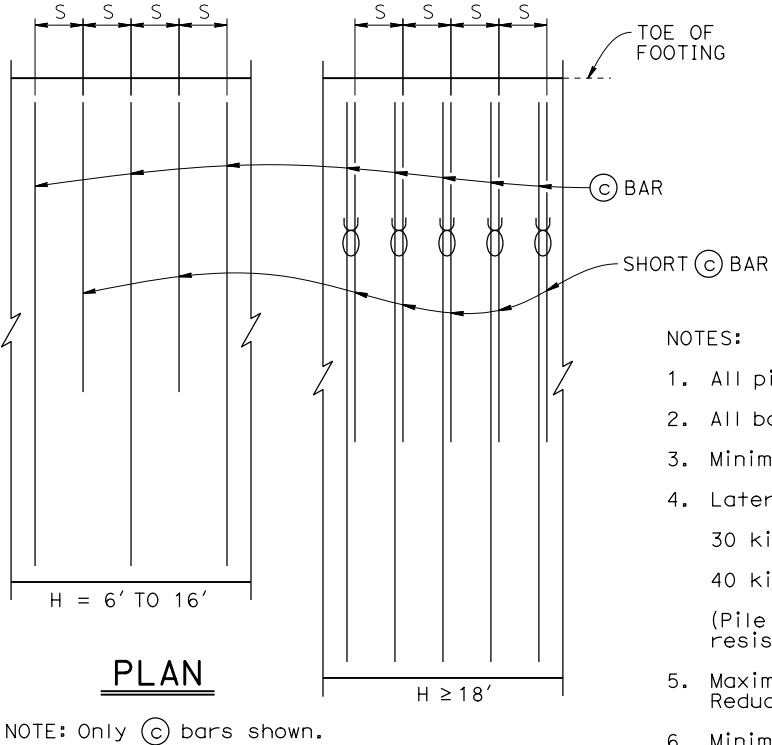
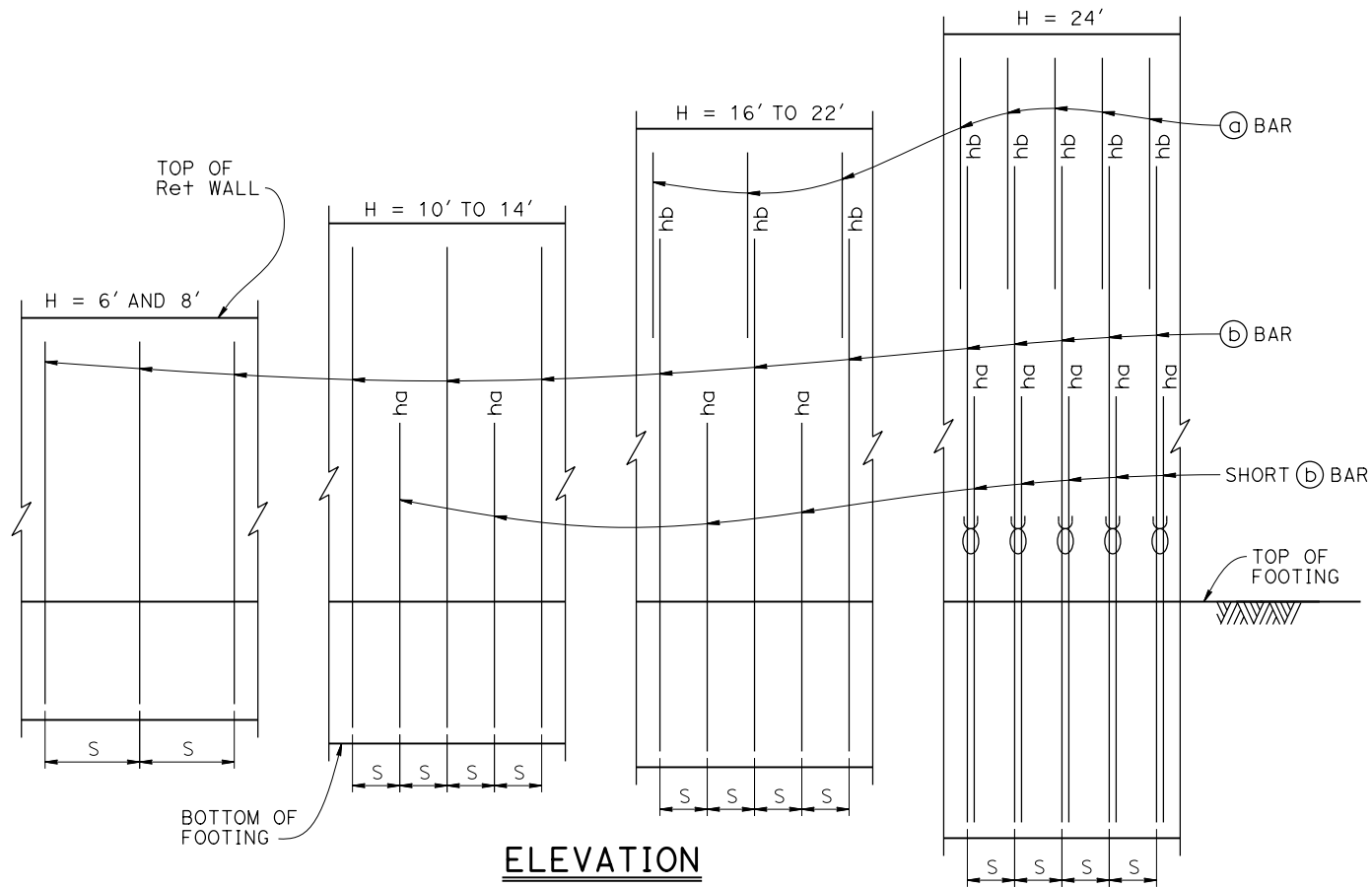
Dist COUNTY ROUTE POST MILES TOTAL PROJECT SHEET No. TOTAL SHEETS

REGISTERED CIVIL ENGINEER X DATE

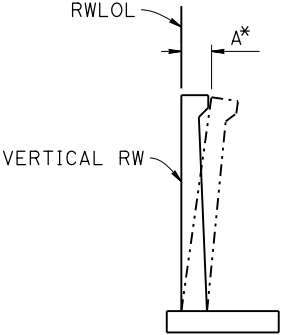
PLANS APPROVAL DATE

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.



- NOTES:
- All piles are Class 90 concrete driven piles.
 - All battered piles shown are 1:3.
 - Minimum distance between center pile and edge of footing is 1'-6".
 - 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)
 - Maximum longitudinal spacing between piles is shown in the Table. Reduce to suit the width of footing.
 - Minimum distance between any two piles is 3'-0".
 - "ha" and "hb" above (b) bars indicate distance from top of footing to upper end of (b) bars, see Table.
 - "S" is (b) bar and (c) bar spacing, see Table.
 - Minimum lap splice for (a) and (b) bars is 45 x reinforcement diameter of (a) bar. Lap splice begins at a distance "hb" above footing.
 - Total (e) bars are top and bottom combined, where applicable.



- NOTES:
- A* offset = 1/2" per 10' of wall stem height.
 - Values for offsetting forms to be approved by the Engineer.

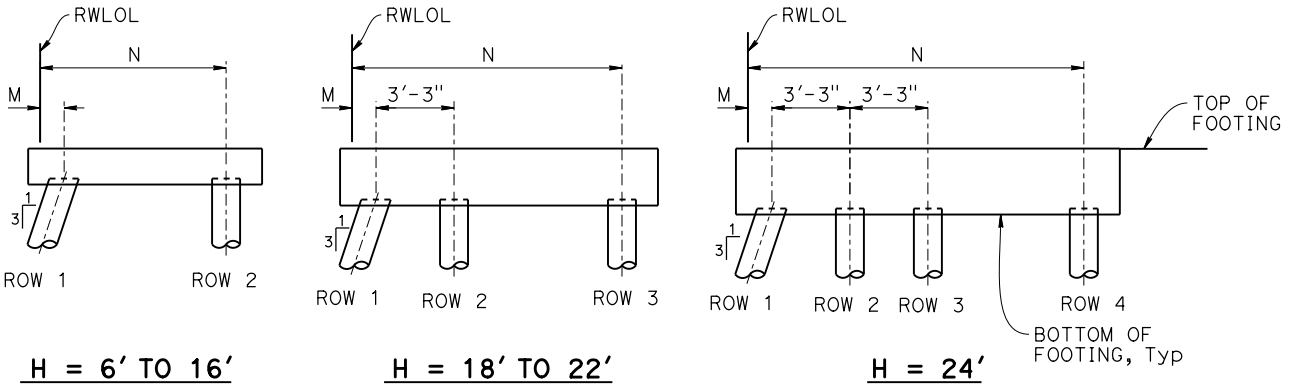


TABLE OF PILE SPACING, REINFORCING STEEL DIMENSIONS AND DATA										
Design Height, H	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'
Footing Width, W	8'-9"	9'-0"	9'-3"	9'-9"	10'-3"	10'-9"	12'-0"	13'-0"	14'-6"	16'-0"
Footing Thickness, F	1'-6"	1'-6"	1'-6"	1'-6"	1'-9"	2'-0"	2'-0"	2'-6"	2'-9"	2'-9"
M	1'-0"	1'-0"	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"
Stem with Haunch, Batter	-	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	1/2:12	5/8:12
Stem without Haunch, Batter	-	-	-	-	-	-	-	-	1/4:12	1/4:12
(a) BARS	-	-	-	-	-	#7 @ 14	#7 @ 12	#7 @ 12	#8 @ 12	#6 @ 6
(b) BARS	#8 @ 12	#8 @ 12	#7 @ 6	#7 @ 6	#7 @ 6	#9 @ 7	#9 @ 6	#10 @ 6	#10 @ 6	#8 @ 6
"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"
(c) BARS	#6 @ 6	#6 @ 6	#7 @ 6	#8 @ 6	#9 @ 6	#10 @ 7	#8 @ 6	#9 @ 6	#9 @ 6	#10 @ 6
"hz"	3'-6"	3'-6"	3'-6"	4'-0"	4'-3"	7'-0"	4'-9"	5'-6"	6'-3"	7'-6"
(d) BARS	#6 @ 12	#5 @ 12	#5 @ 12	#5 @ 12	#5 @ 12	#5 @ 14	#5 @ 12	#5 @ 12	#6 @ 12	#5 @ 12
(e) 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:
Bundled Reinforcement

TRANSVERSE PILE PATTERN

NO SCALE

BRIDGE STANDARD DETAILS

xs14-370-2
FILE NO.

August 2026
APPROVAL DATE

DESIGN

BY X

CHECKED X

DETAILS

BY X

CHECKED X

QUANTITIES

BY X

CHECKED X

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No. XX-XXXX

POST MILE X.X

RETAINING WALL (TYPE 5SWBP) DETAILS No. 2

BRIDGE No. XX-XXXX

POST MILE X.X

UNIT: XXXX
PROJECT NUMBER & PHASE: XXXXXXXXXX1

COUNTY/ROUTE/ZONE: XXX/XXX/X
CONTRACT No.: XX-XXXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES

DATE PLOTTED => 31-AUG-2026
FILE => xs14-370-2.dgn

TIME PLOTTED => 14:11
USERNAME => s136247

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

REVISION DATES

SHEET X

OF X