

CASE 1 TABLE OF FOOTING REINFORCEMENT																	
DESIGN HEIGHT	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'
TOTAL © BARS	6-#5	6-#5	6-#5	10-#6	12-#6	8-#6	10-#6	16-#6	16-#6	14-#6	14-#6	14-#6	16-#6	16-#6	16-#6	18-#6	18-#6
TOTAL (f) BARS	6-#5	6-#5	6-#5	6-#5	6-#6	8-#6	8-#6	8-#6	10-#6	10-#6	10-#6	12-#6	12-#6	12-#6	14-#6	14-#6	14-#6
(g) BARS	#5@9	#5@9	#5@9	#6@9	#6@9	#6@7	#6@6	#6@5	#8@6	#9@6	#9@6	#10@6	#10@6	#10@6	#11@6	#11@10 ∞	#11@8 ∞
(h) BARS	#5@9	#5@9	#5@9	#5@9	#5@9	#5@7	#5@6	#5@5	#5@6	#5@6	#5@6	#5@6	#5@6	#5@6	#5@6	#5@10	#5@8

CASE 2 TABLE OF FOOTING REINFORCEMENT															
DESIGN HEIGHT	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'
TOTAL © BARS	6-#6	6-#6	6-#6	8-#6	10-#6	10-#6	12-#6	12-#6	12-#6	12-#6	14-#6	16-#6	18-#6	20-#6	22-#6
TOTAL (f) BARS	4-#5	6-#5	6-#5	6-#5	8-#5	8-#5	8-#5	8-#5	8-#5	10-#5	10-#5	12-#5	12-#5	14-#5	16-#5
(g) BARS	#5@16	#5@12	#6@10	#6@7	#7@7	#8@7	#9@7	#10@7	#10@7	#10@6	#11@6	#11@10 ∞	#11@8 ∞	#11@7 ∞	#11@7 ∞
(h) BARS	#5@32	#5@24	#5@20	#5@14	#5@14	#5@14	#5@14	#5@14	#5@14	#6@12	#5@12	#5@10	#5@16	#5@14	#5@14
SPACING "S"	-	-	-	-	14"	14"	14"	14"	14"	12"	12"	20"	16"	14"	14"
NUMBER OF TOE STIRRUPS	-	-	-	-	4	4	4	4	4	5	5	6	6	7	8
NUMBER OF HEEL STIRRUPS	-	-	-	-	5	5	6	6	6	6	7	8	9	10	11

CASE 3 TABLE OF FOOTING REINFORCEMENT																	
DESIGN HEIGHT	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'
TOTAL © BARS	6-#5	6-#5	6-#5	10-#6	12-#6	12-#6	12-#6	12-#6	14-#6	16-#6	16-#6	16-#6	18-#6	18-#6	18-#6	18-#6	20-#6
TOTAL (f) BARS	4-#5	6-#5	6-#5	6-#5	8-#5	8-#5	8-#5	10-#5	10-#5	10-#5	12-#5	12-#5	12-#5	14-#5	16-#5	16-#5	16-#5
(g) BARS	#5@16	#5@16	#6@16	#5@8	#6@8	#8@7	#9@7	#9@7	#9@6	#11@6	#11@7	#10@7	#11@7	#10@6	#10@6	#10@6	#9@8 ∞
(h) BARS	#5@32	#5@32	#5@32	#5@16	#5@16	#5@14	#5@14	#5@14	#5@12	#5@12	#5@14	#5@14	#5@14	#5@12	#5@12	#5@12	#5@16
SPACING "S"	-	-	-	-	-	-	-	-	-	-	-	14"	14"	12"	12"	12"	16"
NUMBER OF TOE STIRRUPS	-	-	-	-	-	-	-	-	-	-	-	6	6	7	8	8	8
NUMBER OF HEEL STIRRUPS	-	-	-	-	-	-	-	-	-	-	-	8	9	9	9	9	10

GENERAL NOTES:

- ALL © BARS SHALL EXTEND TO THE TOE OF THE FOOTING.
- BUNDLE (g) BARS:
CASE I H=34' & 36'
CASE II H=26'
CASE III H=36'
- BUNDLE (h) BARS WITH © BARS
- HOOK STIRRUPS AROUND & SPACE WITH ALTERNATING TRANSVERSE REINFORCEMENT AT "S".

∞ INDICATES BUNDLED BARS

DESIGN DATA:

DESIGN:

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (4th EDITION, 2007) WITH 2011 CALIFORNIA AMENDMENTS.

SURCHARGE: LOAD CASE 1

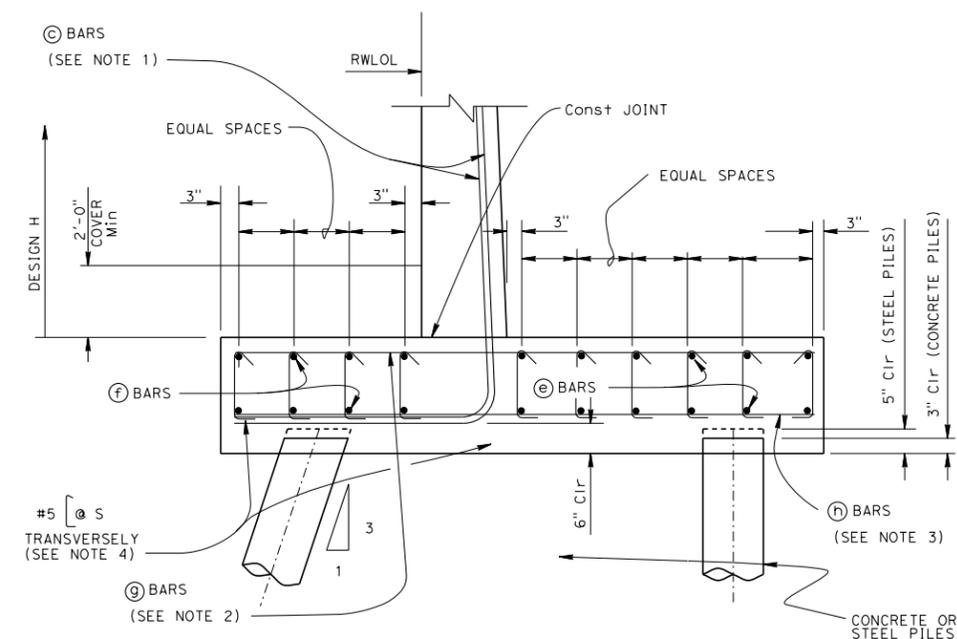
 LIVE LOAD SURCHARGE VARIES LINEARLY FROM 4'-8" AT H=4' TO 2'-0" AT H=18'.
 LIVE LOAD SURCHARGE IS 2'-0" FROM H=20' TO H=36'.
 LIVE LOAD SURCHARGE ON LEVEL GROUND ONLY

SURCHARGE: LOAD CASE 2

NONE

SURCHARGE: LOAD CASE 3

2'-0" LIVE LOAD SURCHARGE ON LEVEL GROUND



CLASS 90 PILE FOOTING SECTION

NO SCALE

 Note:
 Reinforcement shown replaces all footing reinforcement shown for spread footings.
 All piles not shown, see pile layouts elsewhere on structure plans.