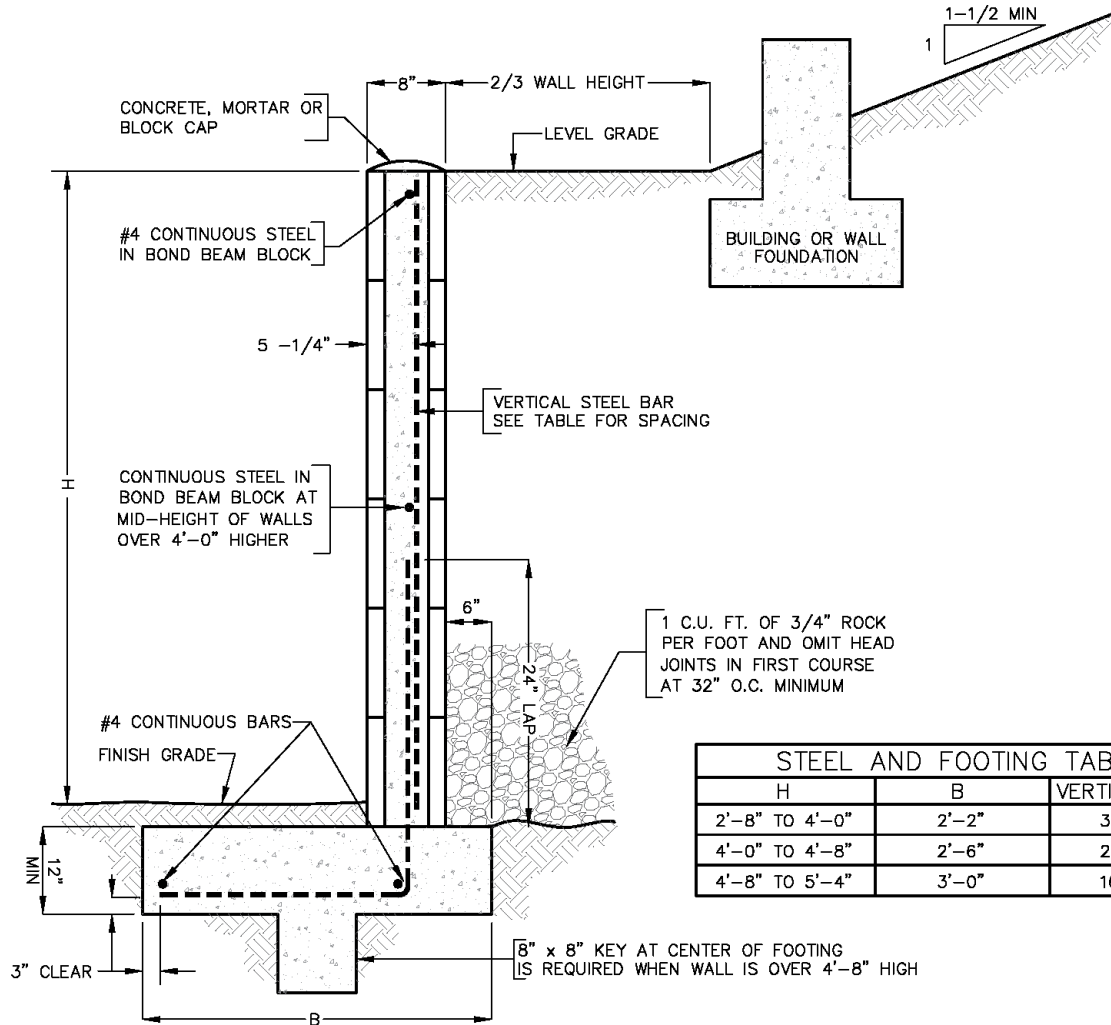




City of Hesperia
BUILDING AND SAFETY DIVISION

Retaining Wall w/ Cantilevered Footing



STEEL AND FOOTING TABLE		
H	B	VERTICAL BARS
2'-8" TO 4'-0"	2'-2"	32" O.C.
4'-0" TO 4'-8"	2'-6"	24" O.C.
4'-8" TO 5'-4"	3'-0"	16" O.C.

NOTES:

1. ALL SURCHARGE LOADS ON THE FILL SIDE SHALL BE KEPT BACK FROM THE WALL A DISTANCE EQUAL TO TWO-THIRDS THE HEIGHT OF THE WALL.
2. BACKFILL MAY BE PLACED AFTER THE WALL HAS CURED FOR 14 DAYS.
3. ALL REINFORCING BARS ARE 1/2 INCH DEFORMED STEEL BARS.
4. EVERY OTHER VERTICAL REINFORCING BAR MAY BE STOPPED AT MID-HEIGHT.
5. REQUEST INSPECTION FOR FOOTING AND OBTAIN APPROVAL PRIOR TO POURING.
6. REQUEST INSPECTION FOR STEEL IN WALL AND OBTAIN APPROVAL PRIOR TO GROUTING
7. NO FENCING OF ANY TYPE IS ALLOWED TO BE ATTACHED.

NOTICE:

ALL PORTIONS OF WALL AND FOOTINGS MUST BE INSIDE THE PROPERTY LINES. (UNLESS THERE IS A NOTARIZED WRITTEN AGREEMENT FROM THE ADJOINING PROPERTY OWNERS)

ALTERNATIVE WALL:

1. USE 8 INCH THICK POURED CONCRETE WITH 1/2 INCH REINFORCING BARS SPACED 18" O.C. BOTH WAYS. LOCATE STEEL 3 INCHES FROM THE FILL SIDE OF THE WALL. FOOTINGS PER TABLE.

BUILDING & SAFETY
DIVISION



H	B	VERTICAL BARS
6'-0"	3'-6"	No. 5 @ 16" O.C.
5'-4"	3'-0"	No. 4 @ 16" O.C.
4'-8"	2'-6"	No. 4 @ 24" O.C.
4'-0"	2'-2"	No. 4 @ 32" O.C.
3'-4"	1'-10"	No. 4 @ 32" O.C.
2'-8"	1'-0"	No. 4 @ 48" O.C.

STEEL AND FOOTING TABLE					
H	B	VERTICAL BARS	Z BARS	LAP	SOIL PRESS
6'-0"	3'-6"	No. 5 @ 16" O.C	#4 @ 16" O.C	2'-6"	1390
5'-4"	3'-0"	No. 4 @ 16" O.C	#4 @ 16" O.C	2'-0"	1350
4'-8"	2'-6"	No. 4 @ 24" O.C	#3 @ 24" O.C	2'-0"	1300
4'-0"	2'-2"	No. 4 @ 32" O.C	#3 @ 32" O.C	2'-0"	1160
3'-4"	1'-10"	No. 4 @ 32" O.C	#3 @ 32" O.C	2'-0"	1040
2'-8"	1'-0"	No. 4 @ 48" O.C	0	0	1040

ALL PORTIONS OF WALL AND FOOTINGS
MUST BE INSIDE THE PROPERTY LINES.
(UNLESS THERE IS A NOTARIZED WRITTEN
AGREEMENT FROM THE ADJOINING
PROPERTY OWNERS)

1. THE MAXIMUM ALLOWABLE HEIGHT IS 6'-0".
2. ALL CELLS ARE TO BE GROUTED SOILD. GROUT TO BE VIBRATED AND CONSOLIDATED.
3. BLOCK ARE TO BE LAID SO AS TO PROVIDE VERTICAL ALIGNMENT OF ALL CELLS. LAY BLOCK IN 1/2 BOND.
4. FOOTINGS TO BE DUG 12" MINIMUM INTO UNDISTURBED SOIL.
5. FOOTINGS WHERE THE SURFACE OF THE GROUND SLOPES MORE THAN 1 FOOT IN 10 FEET SHALL BE LEVEL OR SHALL BE STEPPED SO THAT BOTH TOP AND BOTTOM OF SUCH FOOTINGS ARE LEVEL.
6. REQUEST INSPECTION FOR FOOTING AND OBTAIN APPROVAL PRIOR TO POURING
7. REQUEST INSPECTION FOR STEEL IN WALL AND OBTAIN APPROVAL PRIOR TO GROUTING
8. WALL IS NOT DESIGNED FOR SURCHARGE LOADS. KEEP ANY AND ALL LOADS EXCEPT LEVEL GRADE, A DISTANCE AT LEAST EQUAL TO THE HEIGHT OF THE WALL, AWAY FROM THE WALL.
9. OBTAIN FINAL INSPECTION AND APPROVAL.
10. NO FENCING OF ANY TYPE IS ALLOWED TO BE ATTACHED.