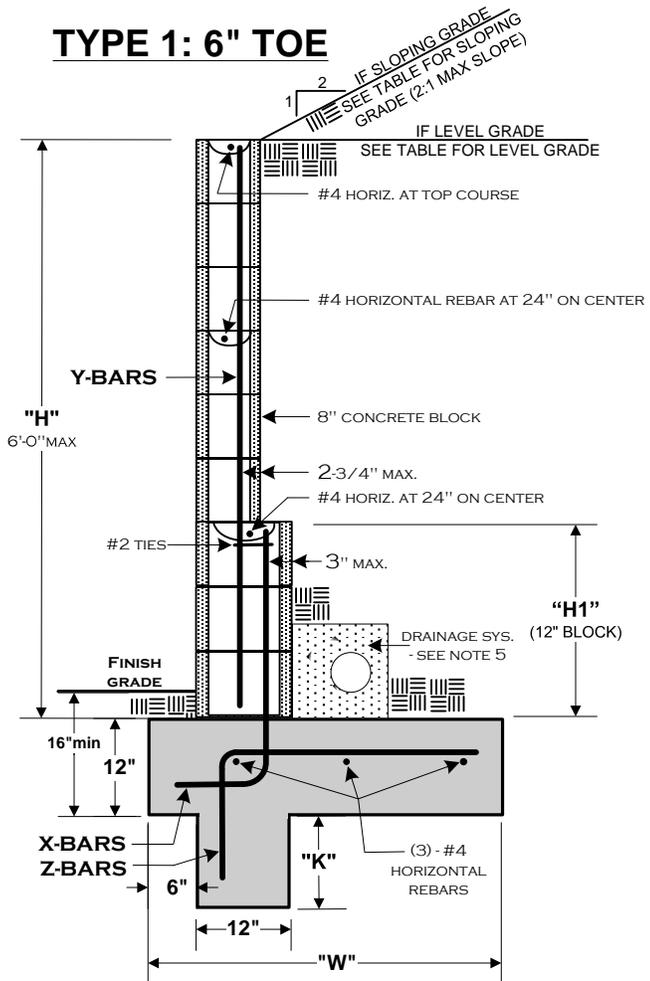
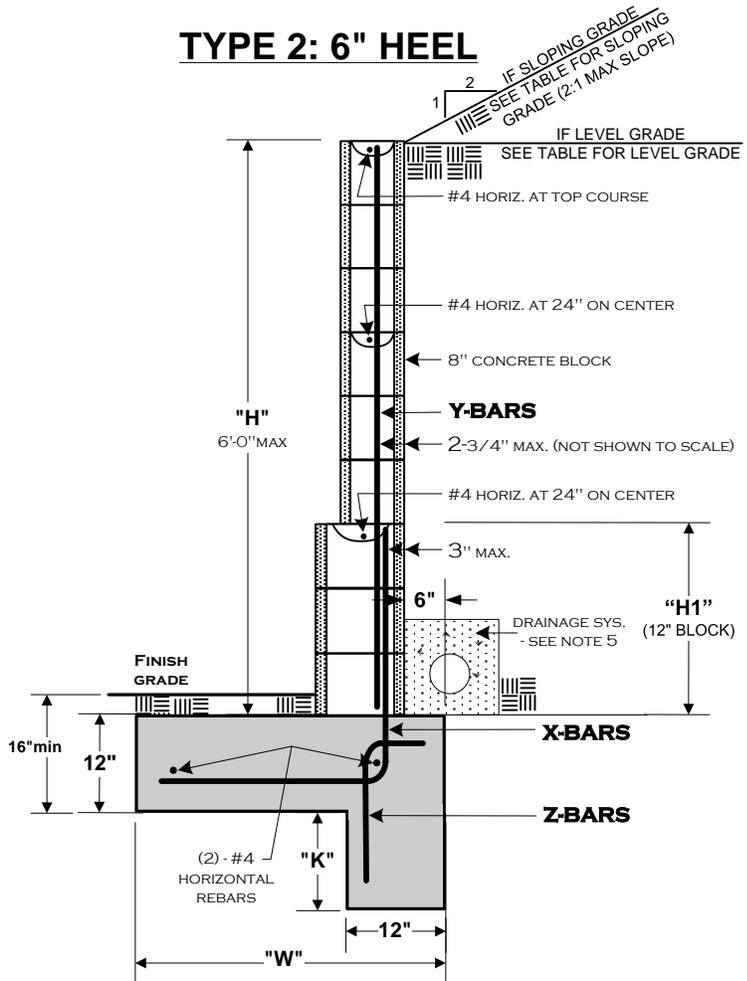


TYPE 1: 6" TOE



TYPE 2: 6" HEEL



TYPE 1: 6" TOE

GRADE CONDITION	"H" (WALL HEIGHT)	"H1" (12" BLOCK)	"W" (FOOTING WIDTH)	X BARS #4 @	Y BARS #4 @	ZBARS #4 @	"K" (KEY DEPTH)
SLOPING GRADE AT TOP OF WALL (2:1 MAX)	to 6'-0"	24"	69"	16"	32"	12"	30"
	to 5'-0"	N/R	48"	16"	16"	12"	25"
	to 4'-0"	N/R	30"	32"	32"	32"	16"
	Up to 3'-0"	N/R	18"	18"	32"	32"	8"
LEVEL GRADE AT TOP OF WALL	to 6'-0"	24"	45"	24"	32"	24"	8"
	to 5'-0"	N/R	36"	24"	24"	24"	7"
	to 4'-0"	N/R	24"	32"	32"	32"	5"
	Up to 3'-0"	N/R	21"	21"	32"	32"	N/R

TYPE 2: 6" HEEL

GRADE CONDITION	"H" (WALL HEIGHT)	"H1" (12" BLOCK)	"W" (FOOTING WIDTH)	X BARS #4 @	Y BARS #4 @	ZBARS #4 @	"K" (KEY DEPTH)
SLOPING GRADE AT TOP OF WALL (2:1 MAX)	to 6'-0"	24"	39"	16"	32"	12"	28"
	to 5'-0"	N/R	29"	16"	16"	12"	22"
	to 4'-0"	N/R	24"	32"	32"	32"	15"
	Up to 3'-0"	N/R	18"	18"	32"	32"	8"
LEVEL GRADE AT TOP OF WALL	to 6'-0"	24"	33"	24"	32"	24"	18"
	to 5'-0"	N/R	26"	24"	24"	24"	13"
	to 4'-0"	N/R	20"	32"	32"	32"	7"
	Up to 3'-0"	N/R	20"	20"	32"	32"	N/R

N/R = NOT REQUIRED

SEE PAGE 2 FOR ADDITIONAL INFORMATION

DISCLAIMER:

Alternate retaining wall designs may be possible when provided with an engineered analysis. Use of this standard design is at the user's risk and carries no implied or inferred guarantee against failure or defects.



(951) 332-6464

Fax (951) 332-6995

CITY OF JURUPA VALLEY BUILDING DEPARTMENT

8930 LIMONITE AVE.

JURUPA VALLEY, CA 92509

RETAINING WALLS

9/28/2017

WWW.JURUPAVALLEY.ORG

PAGE 1 OF 2

GENERAL NOTES:

- 1) ALL WORK SHALL CONFORM TO THE ADOPTED CODES AND ZONING REGULATIONS. *Jurupa Valley requires a permit for all retaining walls over two feet from top of footing to top of wall.*
- 2) CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
 - A. CONCRETE MASONRY SHALL CONFORM TO ASTM C-90, GRADE - N.
 - B. MORTAR: TYPE M OR S.
 - C. GROUT ALL CELLS W/2000 PSI PORTLAND CEMENT GROUT.
- 3) THE ULTIMATE COMPRESSIVE STRENGTH REQUIRED FOR FOUNDATION CONCRETE SHALL BE 2500 PSI.
- 4) ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE ASTM A615-40 AND OVERLAP SPLICES SHALL BE 40 BAR DIAMETERS MINIMUM. ALL REBAR HOOKS SHALL BE A MINIMUM OF 12 TIMES THE REBAR DIAMETER (12bd) IN LENGTH.
- 5) PROVIDE RETAINING WALL DRAINAGE SYSTEM AS FOLLOWS:
 PROVIDE 1CF/FT OF CLEAN COARSE GRAVEL WITH 4" DIAMETER PERFORATED PVC DRAINAGE PIPE WITH 1% GRADIENT TO DRAIN - OR OMIT HEAD JOINTS IN FIRST COURSE.
- 6) OPTIONAL: INSTALLATION OF A MOISTURE BARRIER ON THE FILL SIDE OF THE WALL WILL HELP TO PREVENT MOISTURE FROM PENETRATING THE VISIBLE SIDE OF THE WALL, RESULTING IN DISCOLORATION.
- 7) THIS RETAINING WALL STANDARD IS **NOT** DESIGNED TO SUPPORT SURCHARGE LOADS FROM MOTOR VEHICLES OR OTHER STRUCTURES.
- 8) CLEANOUTS SHALL BE PROVIDED FOR ALL GROUT POURS OVER 5 FEET IN HEIGHT. WHERE REQUIRED, CLEANOUTS SHALL BE PROVIDED IN THE BOTTOM COURSE AT EVERY VERTICAL BAR AND SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING.

REQUIRED INSPECTIONS: *City stamped "APPROVED" plans and permit card must be on site for all inspections.*

1) FOOTING;

EXCAVATION TRENCH CLEAN WITH STEEL IN PLACE AND SUPPORTED 3" CLEAR FROM EARTH/DIRT. EXCAVATION SHALL BE IN SUITABLE UNDISTURBED SOIL OR CERTIFIED COMPACTED FILL MATERIAL.

2) REBAR/PRE-GROUT and DRAINAGE SYSTEM;

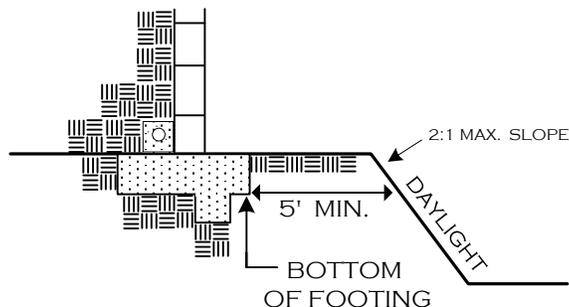
BOND BEAM REBAR AND VERTICAL REBAR IN PLACE - INSPECTION PRIOR TO PLACING GROUT. DRAINAGE SYSTEM COMPLETE.

3) FINAL;

AFTER GROUT IS PLACED AND BACKFILL COMPLETED - PRIOR TO ANY DECORATIVE CAP PLACEMENT.

SETBACK FROM TOP OF SLOPE:

ALL FOOTINGS ADJACENT TO SLOPES TO BE AT LEAST 5' TO DAYLIGHT AS SHOWN BELOW.



DESIGN PARAMETERS:

ACTIVE SOIL PRESSURE (PSF)	
LEVEL BACKFILL	= 30
SLOPING (2:1 MAX)	= 43
PASSIVE SOIL BEARING (PSF)	=150
COEFFICIENT OF FRICTION	= 0.25
ALLOWABLE SOIL BEARING PRESSURE (PSF)	=1500
(NO INCREASES TAKEN FOR DEPTH OR WIDTH OF FOOTING)	

Online Inspection requests at:
www.jurupavalley.org

Building/Safety Inspection Request Phone: (951) 332-0790

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	<p>CITY OF JURUPA VALLEY BUILDING DEPARTMENT 8930 LIMONITE AVE. JURUPA VALLEY, CA 92509</p>			
<p>(951) 332-6464</p>	<p>RETAINING WALLS</p>			
<p>Fax (951) 332-6995</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">9/28/2017</td> <td style="width: 25%; text-align: center;">WWW.JURUPAVALLEY.ORG</td> <td style="width: 25%; text-align: center;">PAGE 2 OF 2</td> </tr> </table>	9/28/2017	WWW.JURUPAVALLEY.ORG	PAGE 2 OF 2
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