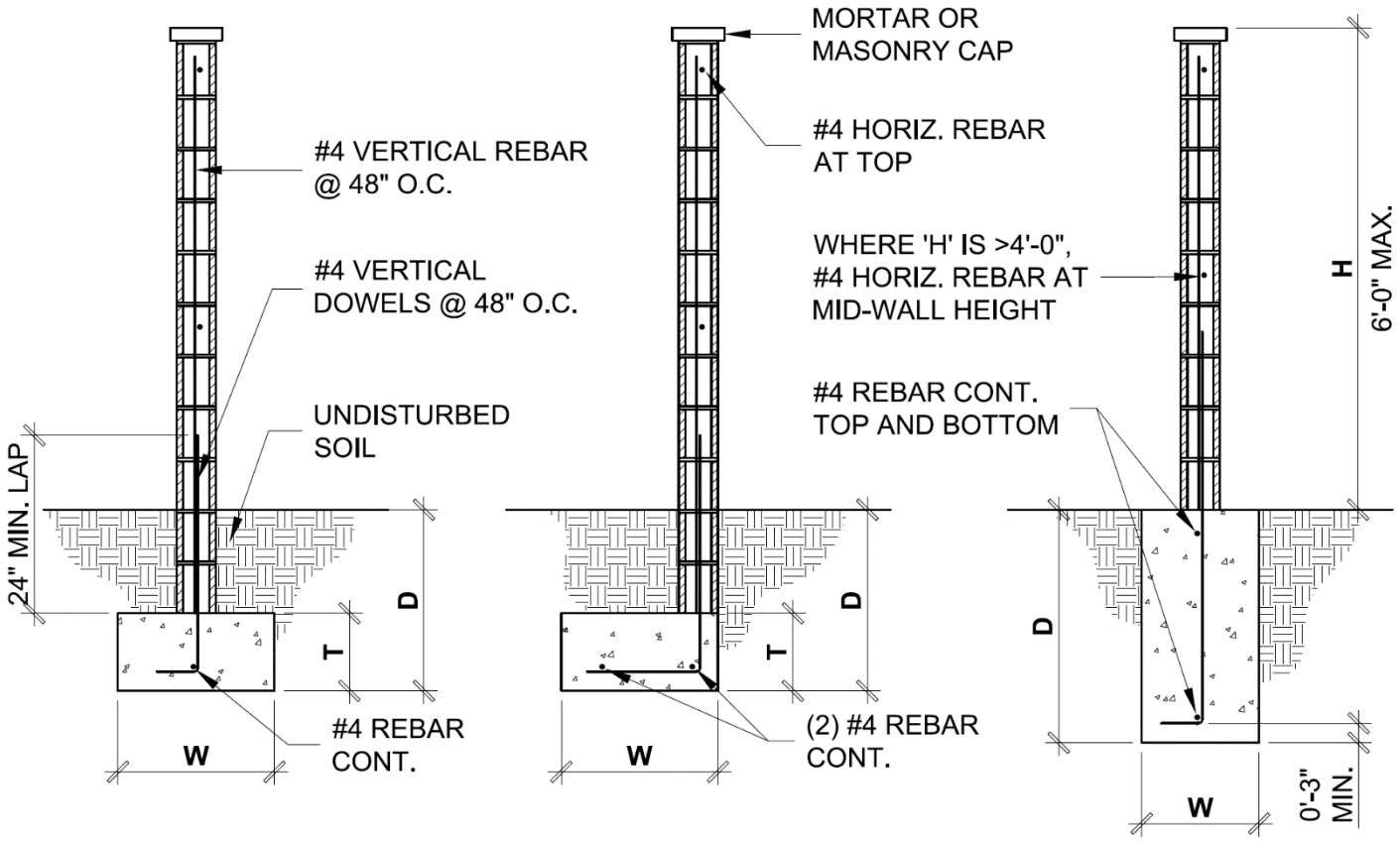
B TYPICAL CMU BLOCK WALL DETAIL

CITY OF STOCKTON

COMMUNITY DEVELOPMENT DEPARTMENT – BUILDING & LIFE SAFETY DIVISION
501 W WEBER AV BLDG 2, STOCKTON, CA 95203 • (209) 937-8561 • www.stocktonca.gov/building

In accordance with the California Building and Residential Codes, as amended locally, a building permit is required for masonry walls over 4-feet in height above adjacent finished grade. This handout may be used to obtain a building permit if the wall will be constructed in accordance with the details below. Alternate designs require plans/details from a CA licensed architect or engineer. This wall/fence type may not be applicable in some areas of the city. Check with the Planning Division on fence type standards and setback requirements for your property by calling (209) 937-8266.



"T" – TYPE FOUNDATION **"L" – TYPE FOUNDATION** **"I" – TYPE FOUNDATION**

Foundation Dimensions								
Wall Hgt ("H")	"T" – Type Foundation			"L" – Type Foundation			"I" – Type Foundation	
	W	D	T	W	D	T	W	D
3'-0"	14"	18"	12"	18"	18"	12"	12"	18"
4'-0"	14"	18"	12"	18"	18"	12"	12"	24"
5'-0"	18"	18"	12"	24"	24"	12"	18"	30"
6'-0"	24"	24"	12"	24"	24"	12"	18"	36"

GENERAL REQUIREMENTS:

- A building permit is required for block walls more than 4'-0" in height above adjacent grade.
- Block wall height and appearance shall conform to the City of Stockton Municipal Code, Chapter 16.48.
- It is the applicant's responsibility to determine the location of property lines and obtain concurrence from neighbors if the wall is proposed on or adjacent to common property lines.
- It is the applicant's responsibility to obtain approval from the Home Owner's Association, if applicable.

SPECIFICATIONS:

Concrete	Min. 2,500 psi strength in 28 days. Mix for concrete footings shall be 1 part cement to 2-1/2 parts sand to 3-1/2 parts gravel with a max. of 7-1/2 gallons of water per sack of cement.
Block	Shall conform to ASTM C90. Nominal width of units shall be 6" minimum
Reinforcement	Deformed steel bar conforming to ASTM A615 Grade 40 or Grade 60
Mortar	Type "S" – Mix to be 1 part cement top 1/2 part line to 3 parts damp loose sand
Grout	Mix to be 1 part cement to 3 parts sand to max. 1/10 part lime. Sufficient water should be added to produce consistency for pouring without segregation of the constituents. May contain 2 parts pea gravel, max. size 3/8"

BUILDING REQUIREMENTS:

- No portion of the structure, including the foundation, shall be located across property lines.
- Foundation must be poured against undisturbed soil with no appreciable slope of sidewalls.
- Blocks shall be staggered with joints in successive courses horizontally offset at least one-quarter the block length.
- All cells that have horizontal or vertical rebar shall be grouted. Cells not containing reinforcing shall not be grouted.
- Block wall shall be centered on the "T" and "I" type foundations and at either edge to the "L" type foundation.

INSPECTIONS:

- **1st Inspection** – When trench is ready for concrete and all steel reinforcements are tied in place. (Use Code 003 Foundation)
- **2nd Inspection** – When first horizontal reinforcement bar and all vertical reinforcement bars are in place, **but not grouted**. (Use Code 003 Foundation)
- **Final Inspection** – After wall is grouted and cap is installed. (Use Code 022 Final Building)
- Instructions on how to schedule inspections online can be found on our website at www.stocktonca.gov/building