



**CITY OF
HERMOSA BEACH**

Community Development
Building & Safety Division

Phone: 310-318-0235

Hours: Mon. – Thur. 7am-6pm

CommunityDevelopment@hermosabeach.gov

STANDARD CMU BLOCK WALL REQUIREMENTS

GENERAL REQUIREMENTS

The purpose of this Information Bulletin (IB) is to assist owners and builders with erecting simple, standard freestanding concrete masonry unit (CMU) block walls of various heights, thicknesses, or footing configurations. This IB provides general requirements and specifications for the average condition and may not be suitable in all cases. Where the proposed wall construction is located on a site with a slope steeper than 10%, with adverse soil conditions (e.g., expansive soil, liquefaction, flood hazard, etc.), retains soil, or that deviates from this IB, a registered design professional licensed in the State of California should be consulted.

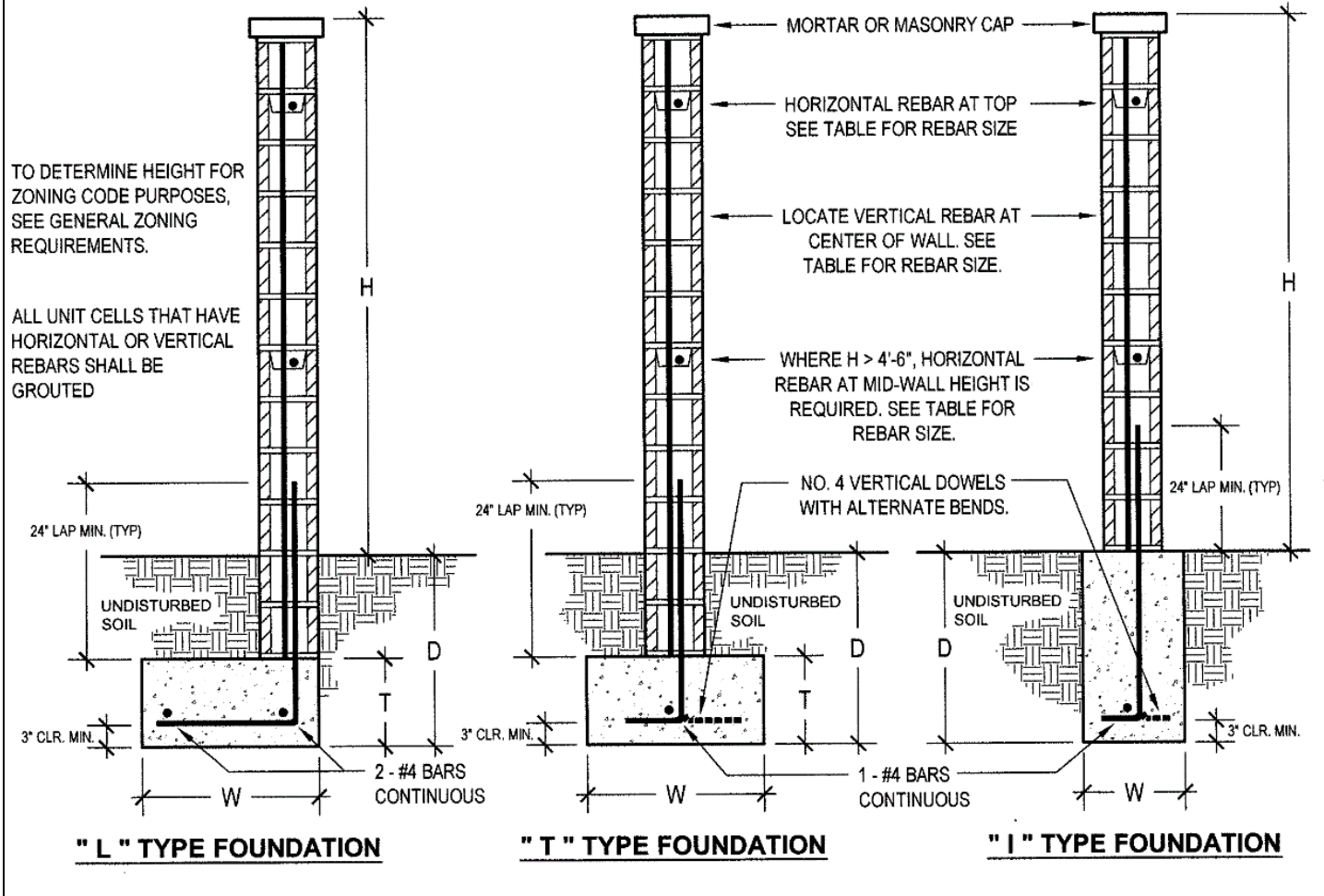
Wall heights shall not exceed the maximum heights set forth in the Hermosa Beach Municipal Code. For zoning code purposes, wall height shall be measured from grade adjoining the wall on the public right-of-way side of the wall and/or from the average grade of both sides of the wall between two private properties. For lots that slope more than 5-feet from front to rear, please contact Planning staff to help establish the wall height.

A building permit is required to construct CMU walls over 4-feet in height above grade. Foundation must be poured against undisturbed soil with no appreciable slope of sidewalls. All horizontal and vertical reinforcements shall maintain a minimum 3-inch clearance from the bottom and sides of the trench. Horizontal bond beam reinforcement is required to be in the 2nd course from the top of the wall. Prefabricated joint reinforcement in each two top mortar joints consisting of two No. 9 gage galvanized wires with No. 9 gage steel welded cross wires spaced a maximum 16-inches off-center may be substituted for the horizontal bond beam reinforcement in the top of walls 6-feet, 6-inches or less in height. All wires shall be thoroughly embedded in the bed joint mortar and lapped a minimum of 12-inches. Units shall be staggered (common bond are not permitted) and may be partially grouted with grout confined to those cells that have horizontal and vertical reinforcing steel. Refer to Figure 1.

SPECIFICATIONS

Concrete	Min. 2,500 psi strength in 28 days. Mix for concrete footing to 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	Grade "N" ASTM C 90-14. Nominal width of units shall be a min. 6".
Reinforcement	Deformed steel bar conforming to ASTM A-615 Grade 40 or Grade 60.
Mortar (Type S)	Mix to be 1 part cement to 1/2-part lime 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").
Comply with HBMC: 17.46.130 E, & 17.46.060	130: Shall be constructed of, or treated with, an aesthetically pleasing material. 060: Corner lots subject to yard requirements shall maintain safety vision clearance, per the stated standard.

FIGURE 1: STANDARD CMU BLOCK WALL DETAILING



FOUNDATION DIMENSIONS & STEEL REINFORCEMENT SIZE

WALL HT	"L" TYPE FOUNDATION			"T" TYPE FOUNDATION			"I" TYPE FOUNDATION		VERTICAL REBAR	HORIZONTAL REBAR
	W	D	T	W	D	T	W	D		
3' - 6"	18"	18"	9"	14"	12"	6"	12"	22"	#4 Rebar @ 48" o.c.	#4 Rebar
4' - 6"	18"	18"	9"	18"	12"	6"	12"	26"	#4 Rebar @ 48" o.c.	#4 Rebar
5' - 6"	24"	24"	12"	22"	12"	6"	12"	30"	#4 Rebar @ 48" o.c.	#4 Rebar
6' - 6"	24"	24"	12"	26"	14"	9"	12"	36"	#4 Rebar @ 24" o.c.	#4 Rebar

COMMON PROPERTY LINE

Where the wall construction is proposed on the common property line(s), a completed Common Property Line Wall/Fence Agreement between the owners of each applicable adjoining property shall be signed, notarized, and submitted prior to permit issuance. Where the wall, footings, and other attachment or support are entirely located within the property, the Common Property Line Wall/Fence Agreement is not required. A lot survey may be required to verify the proper location of the proposed fence.



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BUILDING PERMIT APPLICATION

STAFF USE ONLY

Plan Check/Permit #

PROPERTY & JOB INFORMATION

Job Address: _____, Hermosa Beach, CA

Description of the work being performed:

Assessor's Parcel Number:

Number of Stories: _____ Number of Units: _____

Valuation of job (including labor and material): \$ _____

PROPERTY OWNER

Full Name _____ Phone #: _____

Email: _____

Address: _____

APPLICANT – THIS IS THE PRIMARY POINT OF CONTACT

Full Name _____ Phone #: _____

Email Address (this will be the primary means of contact): _____

Mailing Address: _____

CONTRACTOR

Full Name _____ Phone #: _____

Email: _____ CSL License #: _____

Address: _____

City Business License #: _____ CSLB Class Type: _____

DESIGN PROFESSIONAL – ENGINEER/ARCHITECT

Full Name _____ Phone #: _____

Email: _____ License #: _____

Address: _____

SQUARE FOOTAGE

EXISTING SQ. FOOTAGE NEW SQ. FOOTAGE

Habitable Habitable

Garage Garage

Deck Deck

ADU ADU

PLEASE CONTINUE ON PAGE 2

Last Name: _____

Property Address: _____

GRADING PERMIT ONLY:		
Grading	Cubic Yard Cut:	Cubic Yard Fill:

RE ROOF ONLY:						
Roof Pitch:	Squares (1 square = 100 sq. ft.)				# of Existing Layers:	
EXISTING	Asphalt	Wood	Metal	Cement/Tile	Membrane	Other
PROPOSED	Asphalt	Wood	Metal	Cement/Tile	Membrane	Other
Solar: Does the existing roof have solar panels installed?						

APPLICANT AFFIDAVIT	
<p>(I/We) am/are aware that the following requirements may apply to this permit application:</p> <p>(1) If located within the Coastal Zone, the applicant may need to acquire a Coastal Development Permit, or Exemption. The approval must be provided to the City (by the applicant), prior to the permit being issued.</p> <p>(2) Depending on the scope of work, Hermosa Beach may require geotechnical reports, and Recording of Documents may be required prior to closing any associated permits.</p> <p>(3) Additional reviews and submittals may be required for LA County Fire, Public Works, Waste Reduction Plan, & Standard Urban Storm Water Mitigation Plan.</p> <p>(4) All permits may require that the following be provided: Pedestrian & Adjacent Property Protection, Best Management Practices, Air Quality Requirements, Hazardous Materials Requirements, and Waste Reduction Requirements</p> <p>(5) I am aware that if this project includes the installation or replacement of roof coverings that the roofing material being installed under this permit application meets a minimum Class A fire retardant rating, unless the roof covering is less than 50% of the existing roof area of the entire structure.</p> <p>(6) The applicant will be the sole and primary point of contact for this application. The listed applicant is the primary contact for all communications with City Staff. The applicant will be responsible for communicating status updates to all parties involved with this application.</p> <p><i>(I/We) the undersigned declare, under penalty of perjury under the laws of the State of California, that (I am/we are) the owner(s) or authorized representative(s) of the property in this application; that the information on all plans, drawings, and sketches attached hereto and all the statements and answers contained herein are, in all respects, true and correct.</i></p>	
Signature	Date:
Printed Name:	



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SITE/PLOT PLAN

PROPERTY & APPLICANT INFORMATION

Job Address: _____, Hermosa Beach, CA

Job Description: _____

Applicant Name: _____

SITE/PLOT PLAN