

MASONRY FENCES

**Clark County**  
Dept. of Building & Fire Prevention  
4701 W Russell Rd  
Las Vegas, NV 89118  
(702) 455-3000

**Boulder City**  
Building Department  
401 California Avenue  
Boulder City, NV 89005  
(702) 293-9282

**Henderson**  
Bldg & Fire Safety Dept.  
240 Water Street  
Henderson, NV 89015  
(702) 267-3650

**Las Vegas**  
Building & Safety Dept.  
333 N. Rancho Drive  
Las Vegas, NV 89106  
(702) 229-6251

**REQUIRED INSPECTIONS: (SPECIAL INSPECTION - NONE REQUIRED)**

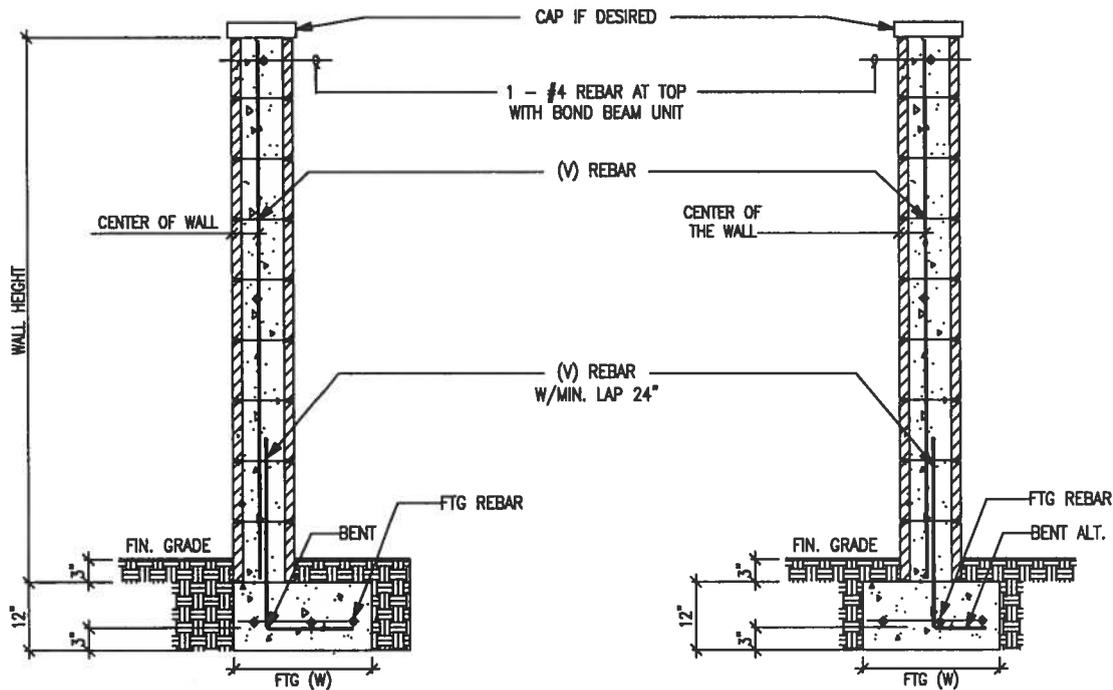
1. FOUNDATION
2. MASONRY PREGROUT
3. FINAL

**GENERAL NOTES:**

1. ALL WORK SHALL CONFORM TO THE IBC 2012 EDITION AS AMENDED
2. CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
  - A. CONCRETE MASONRY SHALL CONFORM TO ASTM C 90,  $F'_m = 1500$  PSI
  - B. MORTAR: TYPE M - 2500 PSI OR TYPE S - 1800 PSI
  - C. GROUT CONFORMS TO ASTM C 476, MINIMUM 2000 PSI
3. THE ULTIMATE COMPRESSIVE STRENGTH REQUIRED FOR FOUNDATION CONCRETE SHALL BE OF 4500 PSI, TYPE V CEMENT, AND 0.45 WATER TO CEMENT RATIO.
4. ALL REINFORCING STEEL SHALL BE GRADE 60, ASTM A615, MIN. LAP SPLICE = 24"
5. NO WATER COURSE OR NATURAL DRAINAGE SHALL BE OBSTRUCTED.  
FOR RETAINING WALL, PROVIDE 1CF/FT OF CLEAN COARSE GRAVEL WITH 2" DIAMETER WEEP HOLES THROUGH THE WALL AND LINED WITH PVC PIPE AT 8'-0" O.C. ALONG WALL AND PLACED 3" ABOVE THE LOWEST ADJACENT FINISHED GRADE
6. SITE PLAN SHALL BE SUBMITTED FOR REVIEW BEFORE THE PERMIT CAN BE ISSUED
7. CONTROL JOINT SPACING AT 24 FEET (MAX). VERTICAL REBARS SHALL BE LOCATED WITHIN 16 INCHES OF THE END.
8. GROUT ALL CELLS CONTAINING REINFORCEMENT. LOWER STEM IS SOLID GROUTED.
9. 3 INCHES COVER FOR ALL REBAR IN FOOTING (TYPICAL).
10. WATERPROOF THE INSIDE FACE OF ALL RETAINING WALLS PER 1805.3 OF 2012 IBC.

**DESIGN CRITERIA**  
IBC WITH SO. NV AMENDMENTS

- WIND LOAD**  
BASIC WIND SPEED = 105 MPH, EXPOSURE C  
 $K_z = 0.85$   
 $K_{zt} = 1.0$   
 $K_d = 0.85$   
 $C_f = 1.4$   
 $G = 0.85$
- SEISMIC LOAD**  
DESIGN SPECTRAL RESPONSE  $S_{ds} = 0.518g$   
SEISMIC COEFFICIENTS  $R_p = 2.5$  (ASCE 7-10, T-13.5-1)  
 $F_p = 0.249g$   
SEISMIC LOAD DUE TO LATERAL EARTH PRESSURE =  $10.1h^2$  (LBS) THE POINT OF APPLICATION IS TAKEN AT 0.6H ABOVE THE BASE OF THE WALL, WHERE H IS THE HEIGHT OF THE BACKFILL
- SOIL PARAMETER**  
SITE CLASS = D  
ALLOWABLE SOIL BEARING PRESSURE = 1000 PSF  
LATERAL EQUIVALENT FLUID PRESSURE OF 45 PSF/FT  
PASSIVE PRESSURE = 100 PSF  
COEFFICIENT OF FRICTION FOR SLIDING = .25



WALL HEIGHT (FT)	4'-0"	6'-0"	6'-0"	8'-0"
CMU THICKNESS (IN)	6"	6"	8"	8"
(V) REBAR #4 @	48" O.C.	24" O.C.	48" O.C.	16" O.C.
FTG REBAR	1-#4	2-#4	2-#4	3-#4
FTG (W)	1'-9"	2'-9"	2'-8"	3'-10"

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**North Las Vegas**  
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2250 Las Vegas Blvd. N  
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**Clark County School District**  
Building Department  
4190 McLeod Drive, 1st Floor  
Las Vegas, NV 89121  
(702) 799-7605

SOUTHERN NEVADA BUILDING OFFICIALS  
REGIONAL STANDARDS

B-100-2

7-7-14

PG. 2 OF 2

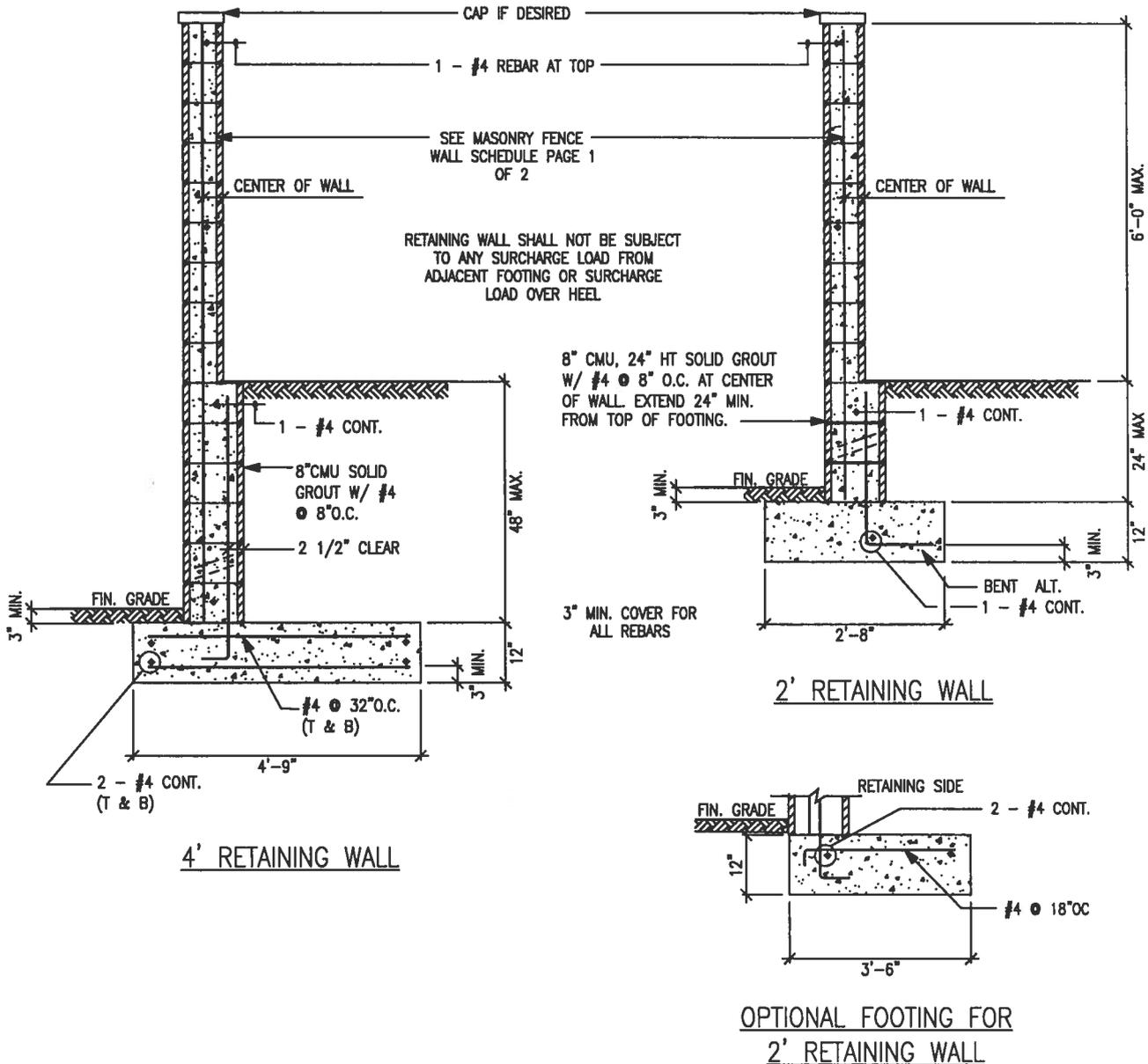
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