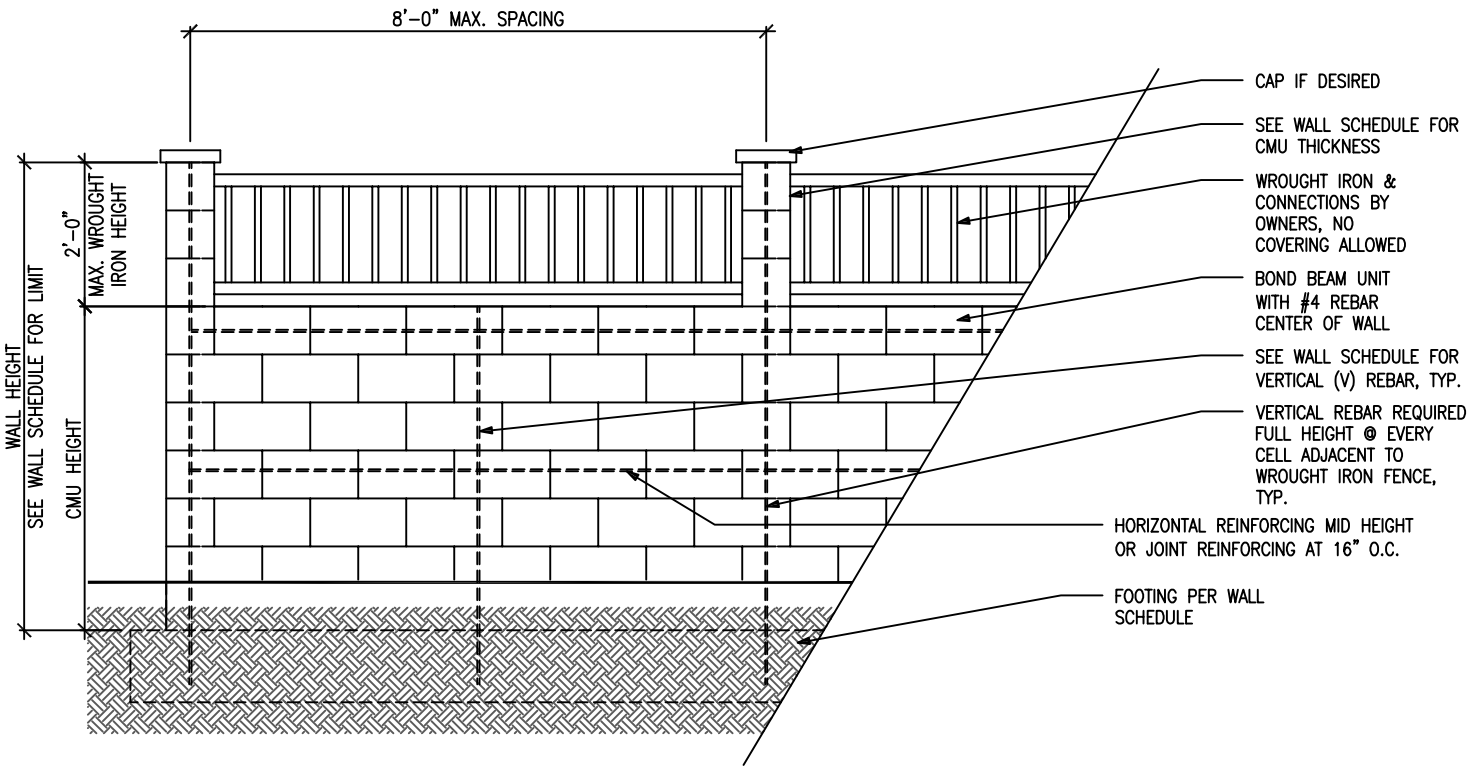
SOUTHERN NEVADA BUILDING OFFICIALS
REGIONAL STANDARDS

B-101
10-8-2025
PG. 1 OF 1

MASONRY FENCES WITH WROUGHT IRON

2024 IBC

Clark County	Boulder City	Henderson	Las Vegas
Building Department 4701 W Russell Rd Las Vegas, NV 89118 (702) 455-3000	**Building Department** **401 California Avenue** **Boulder City, NV 89005** **(702) 293-9282**	Building & Fire Safety Department 240 S. Water Street **Henderson, NV 89015** **(702) 267-3650**	Building & Safety 495 S. Main Street Las Vegas, NV 89101 **(702) 229-6251**



REFER TO STANDARD DRAWING B-100-1, MASONRY FENCES, FOR BALANCE OF INFORMATION

REQUIRED INSPECTIONS: (SPECIAL INSPECTION - NONE REQUIRED)
1. FOUNDATION
2. MASONRY PREGROUT
3. FINAL

GENERAL NOTES:
1. ALL WORK SHALL CONFORM TO THE IBC 2024 EDITION AS AMENDED
2. CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
   A. CONCRETE MASONRY SHALL CONFORM TO ASTM C 90, f'm = 2000 PSI
   B. MORTAR: TYPE M OR YPE S
   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 OF RETAINING WALLS 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 2024 IBC.

DESIGN CRITERIA
2024 IBC WITH SO. NV AMENDMENTS
WIND LOAD
- BASIC WIND SPEED = 95 MPH, EXPOSURE C
- Kz = 0.85
- Kzt = 1.0
- Kd = 0.85
- Cf = 1.4
- G = 0.85

SEISMIC LOAD
- DESIGN SPECTRAL RESPONSE Sds = 0.574g
- SEISMIC COEFFICIENTS R = 1.25 (ASCE 7-16, T-15.4-2)
- Cs = 0.46
- SEISMIC LOAD DUE TO LATERAL EARTH PRESSURE = $10.4h^2$ (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

Mesquite	North Las Vegas	Pahrump	Clark County School District
Building Department **10 East Mesquite Blvd.** **Mesquite, NV 89027** **(702) 346-2835**	Building Safety **2250 Las Vegas Blvd. N** **N. Las Vegas, NV 89030** **(702) 633-1577**	Nye County Building Department 2041 E. Calvada Boulevard North Pahrump, NV 89048 **(775) 751-3373**	**Building Department** 1180 Military Tribute Place Henderson, NV 89074 **(702) 799-7605**