



MASONRY GARDEN WALL

WALL AT CENTER OF FOOTING

Revised:

Drawing No:

Approved:

1

Fred Marzara

Date

1/2023

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NOTES:

CONSTRUCTION REQUIREMENTS

1. All work shall conform to the **2022** CBC.
2. Minimum reinforcing steel lap splice = 24".
3. Expansion joints required every 25-feet maximum.
4. All masonry cells containing reinforcing shall be grouted solid.
5. Minimum 3-inches of concrete cover for reinforcing in footings.

REQUIRED INSPECTIONS

1. Foundation: Footing excavated with all reinforcing steel placed and supported. Wall location verified.
2. Pre-Grout: All masonry units installed. All vertical and horizontal reinforcing installed and supported.
3. Final Inspection: Fence construction completed and grouted. Final grade of soil installed and compacted adjacent to the fence.

MATERIAL SPECIFICATIONS

- Concrete Masonry Shall Conform To ASTM C90
F'm = 1,500 psi
- Mortar: Type M - 2,500 psi or Type S - 1,800 psi
- Grout Shall Conform To ASTM C476, 2,000psi
- Concrete: Minimum 4,000 psi, Type V Cement
- Steel Reinforcing: Grade 60, ASTM A615

DESIGN CRITERIA

- **20** CBC with City of **Lake Forest** Amendments.
- Soil Bearing Value: 1,500 psf.
- Active Soil Pressure: 45.0 psf/ft.
- Passive Soil Pressure: 250.0 psf/ft.
- Soil Density: 250.0 psf.
- Soil Friction: 0.35.
- Wind **Gust** : **110 mph**



MASONRY GARDEN WALL

WALL AT EDGE OF FOOTING

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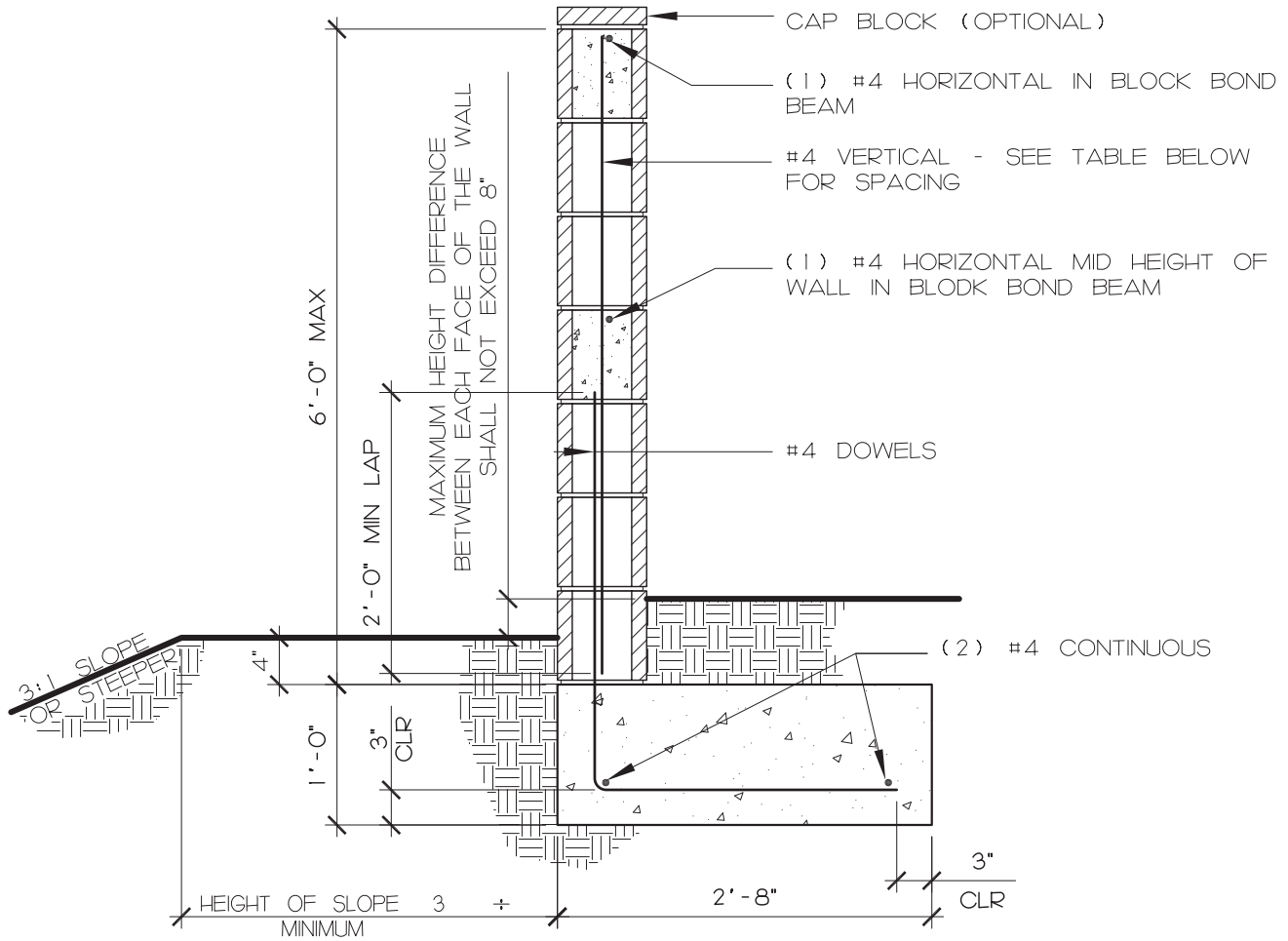
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Pg 1 of 2



ALL SLUMP BLOCK WALLS SHALL BE 8" THICK MINIMUM. 6" THICK SLUMP BLOCK WALLS ARE NOT ALLOWED.

SEE OPPOSITE SIDE OF THIS SHEET FOR INSPECTION REQUIREMENTS, CONSTRUCTION REQUIREMENTS, MATERIAL SPECIFICATIONS AND DESIGN CRITERIA

WALL SCHEDULE

MASONRY THICKNESS	8"
VERTICAL REBAR SPACING	24" O.C.



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