

# Miguel F de Diego

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Miguel F de  
Diego  
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2023.11.13

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## FOUNDATION

FOUNDATIONS ARE DESIGNED TO BEAR ON WELL COMPACTED GRADE OR CLEAN FILL OF ALLOWABLE BEARING CAPACITY OF 2,000 PSF MINIMUM. A CERTIFIED TESTING FIRM SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED MINIMUM BEARING CAPACITY WAS OBTAINED.

ADDITIONAL SOIL CAPACITY SHALL BE CERTIFIED AND TESTED BY A REGISTERED FOUNDATION ENGINEER, PRIOR TO CASTING OF CONCRETE IN THE FOOTINGS.

FOUNDATIONS (OR FILL) BELOW FOOTINGS SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR (ASTM D-1557).

TOP OF ALL FOOTINGS TO BE A MINIMUM 1'-4" BELOW THE TOP OF THE EXISTING GRADE (UNLESS OTHERWISE NOTED).

IN THE EVENT THAT THE SLAB STEPS ON EACH SIDE OF THE

FOOTING, THE FOOTING SHALL BE 1'-4" BELOW TOP OF THE LOWER SLAB. TO ACCOMMODATE A CONTINUOUS WALL FOOTING, A STEPPED FOOTING MAY BE REQUIRED (SEE DETAIL ON PLAN).

REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC AND/OR NON-MONOLITHIC) SHALL BE SPACED 36 BAR DIAMETERS MINIMUM AND SHALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS.

ALL LONGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS, SHALL BE CONTINUED THROUGH CORNERS BY BENDING THE REBARS 46 BAR DIAMETERS AROUND THE CORNER OR USING MATCHING CORNER BARS, EXTENDING 46 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT. (30 INCHES MIN.)

ALL FOOTINGS (MONOLITHIC OR NOT) SHALL BE 12" MINIMUM THICK. BOTTOM OF ALL FOOTINGS SHALL BE EMBEDDED 8" MINIMUM BELOW LOWEST ADJACENT FINISHED GRADE OR LAB.

IN THE CASE OF NEW FOUNDATIONS CONNECTING INTO EXISTING FOOTINGS (WALL FOOTINGS OR COLUMN PADS), THE ELEVATION OF THE NEW FOOTING SHALL BE ADJUSTED TO THE BOTTOM ELEVATIONS OF THE NEW AND THE EXISTING WALL (U.O.N.). THIS MAY REQUIRE STEPPING OF THE NEW FOUNDATION UP OR DOWN TO MEET THE EXISTING. UNLESS OTHERWISE NOTED, THE NEW FOOTING SHALL BE DOWELED INTO THE EXISTING WITH A MINIMUM OF 30" LONG, DRILLED (6" EMBEDMENT) AND EPOXY BONDED INTO THE EXISTING.

# REINFORCED MASONRY WALLS

1. INSULATION MATERIALS, FACINGS, VAPOR RETARDERS SHALL HAVE A FLAME SPREAD CLASSIFICATION OF NOT GREATER THAN 25 AND A SMOKE DEVELOPMENT INDEX NOT GREATER THAN 450 AS PER ASTM E-84 OR UL 273. FBCR 302.10

CONTRACTOR SHALL VERIFY ALL DIMENSIONS, NOTES AND CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK

STATE OF FLORIDA  
MIGUEL DE DIEGO  
A.R.  
REGISTERED ARCHITECT

**DRC**  
PZ23-12000051  
12/20/2023