

BLODGETT ENGINEERING LLC
STRUCTURAL CONSULTING ENGINEERS

W169 N10815 Redwood Lane
Germantown, WI 53022

blodgetteng@wi.rr.com
Tel/Fax: 262.293.9923

JOB 3033 W. KILBOURN AVE.

SHEET NO. _____ OF _____

CALCULATED BY MEB DATE 4/23/2025

FOUNDATION SCOPE DOCUMENT

REACTION LOADS AT WALLS:

$$W_S = 20 \times \frac{30}{2} = 300 \text{ p/f}$$

$$W_D = 20 \times \frac{30}{2} = 300 \text{ p/f}$$

$$W_L = 40 \times \frac{15}{2} = 300 \text{ p/f}$$

$$W_D = 15 \times 15/2 = 112.5 \text{ p/f}$$

$$\text{WALL LOAD} = \left(\frac{4'2''}{12} + 10' \right) 12 \text{ psf} = 162 \text{ p/f}$$

$$1174.5 \text{ p/f}$$

$$\text{WIDTH REQ'D} = \frac{1174.5}{2000} = 0.58'$$

$$= 7'' \text{ MIN}$$

EXISTING WALL, PROVIDE TEMPORARY SUPPORT

RE-USE OR REPLACE PLATE (BASED ON CONDITION)

12" HIGH GRADE BEAM W/ (2) #4 BARS CONTINUOUS (W/ PRESUMED 2000 SOIL PRESSURE)

EVALUATE AND ADD TO SUBGRADE AS NEEDED

SLAB, 4" THICK (MIN)

W/ 6x6 - W1.4 x 1.4 WWF

EPOXY THREADED RODS 4" DEEP INTO EXISTING BRICK

48" o/c - AND AT

ENDS OF WALL PLATE SEGMENTS

GRADE VARIES

4" MIN

48"

8" - 12"

VERIFY WIDTH

SPECIFICATIONS

CONCRETE: 4000 psi = 5'c

REBAR: 60 ksi - #4 BARS

SILL PLATE: TREATED SYP #2