

**CONCRETE NOTES:**

1. CONCRETE MIX: MINIMUM COMPRESSIVE STRENGTH 3000 PSI.
2. REINFORCING STEEL (REBAR) ASTM A-615 GRADE 60.
3. ALL WOOD/LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED OR REDWOOD.
4. EXTEND ALL FOOTINGS DOWN TO UNDISTURBED SOIL OF THE SPECIFIED STRENGTH WITH A MIN. DEPTH OF 12" BELOW GRADE OR AS REQUIRED BY LOCAL BUILDING CODE, BASED ON LOCAL FROST LINE DEPTH.
5. CONCRETE FOOTINGS SHALL BE CENTERED BELOW THE WALL ABOVE UNLESS NOTED OTHERWISE.
6. CONCRETE FOOTING ALONG PERIMETER OF FOUNDATION SHALL BE A MINIMUM 12" X 18" X CONT. THICKENED DOWN THICKENED EDGE CONCRETE FOOTING BENEATH INTERIOR BEARING PARTITION SHALL BE A MINIMUM 16" X 12" X CONT. THICKENED SLAB WITH (2) #4 BARS HORIZONTAL CONT.
7. ANCHOR BOLTS SHALL BE MIN. (2) PER SILL PLATE SEGMENT AND WITHIN 4'-12" OF WALL CORNERS AND SILL PLATE ENDS.
8. CONCRETE SLABS SHALL BE MIN. 4" THICK WITH MIN. 3000 PSI STRENGTH W/ 6X6 W/ 3X12 W/ 3 U/W/1 REIN.
9. ALL CONCRETE SLABS SHALL BE UNDERLAIN BY 4 IN. OF COMPACTED, FREE DRAINING GRANULAR MATERIAL SUCH AS "TEA" GRAVEL OR 3/4-1 IN. MINUS CLEAN GRAVEL.

**DESIGN CRITERIA**

- GROUND SNOW LOAD: 25 PSF  
 OCCUPANCY CLASSIFICATION: S-1  
 RISK CATEGORY: II  
 STRENGTH REDUCTION FACTOR: 1.0  
 WIND SPEED: 95 MPH (ULT)  
 WIND IMPORTANCE FACTOR: 1.0  
 WIND FACTOR ASD: 0.6  
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 SEISMIC DESIGN CATEGORY: D  
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 SEISMIC IMPORTANCE FACTOR: 1.0  
 FP CONSTRUCTION TYPE: V-B  
 SOIL BEARING CAPACITY: 1500 PSF

**DESIGN LOADS**

- FLOOR DEAD LOAD: 10 PSF  
 FLOOR LIVE LOAD: 40 PSF  
 ROOF DEAD LOAD: 1 PSF  
 ROOF LIVE LOAD: 5 PSF  
 CEILING DEAD LOAD: 5 PSF  
 ROOF SNOW LOAD (S): 15.3 PSF  
 STAR LIVE LOAD: 40 PSF  
 BEAR LIVE LOAD: 50 PSF

**HOLD-DOWNS:**

1. SHOW LOCATION OF EAST DTTZ HOLD-DOWNS \$ TYPED 9/16" DIA. HD SCREW ANCHOR (2) 2X4 CHORD, 48 MIN. EMBEDMENT 5"
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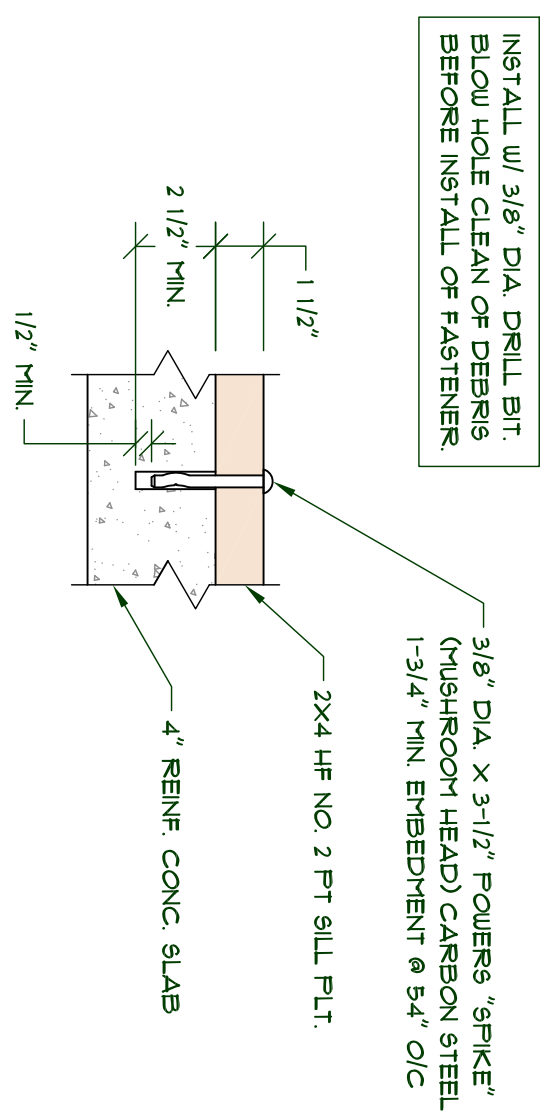
**BUILDING DATA**

LENGTH: 83'-1 1/2"  
 WIDTH: 42'-0 1/2"  
 STAIR RISE HEIGHT: 9'-1"  
 STAIR RUN HEIGHT: 16'-2"  
 FLOOR FINISH TO CEILING HEIGHT: 9'-6"  
 TOTAL AREA: 3,585 SQFT

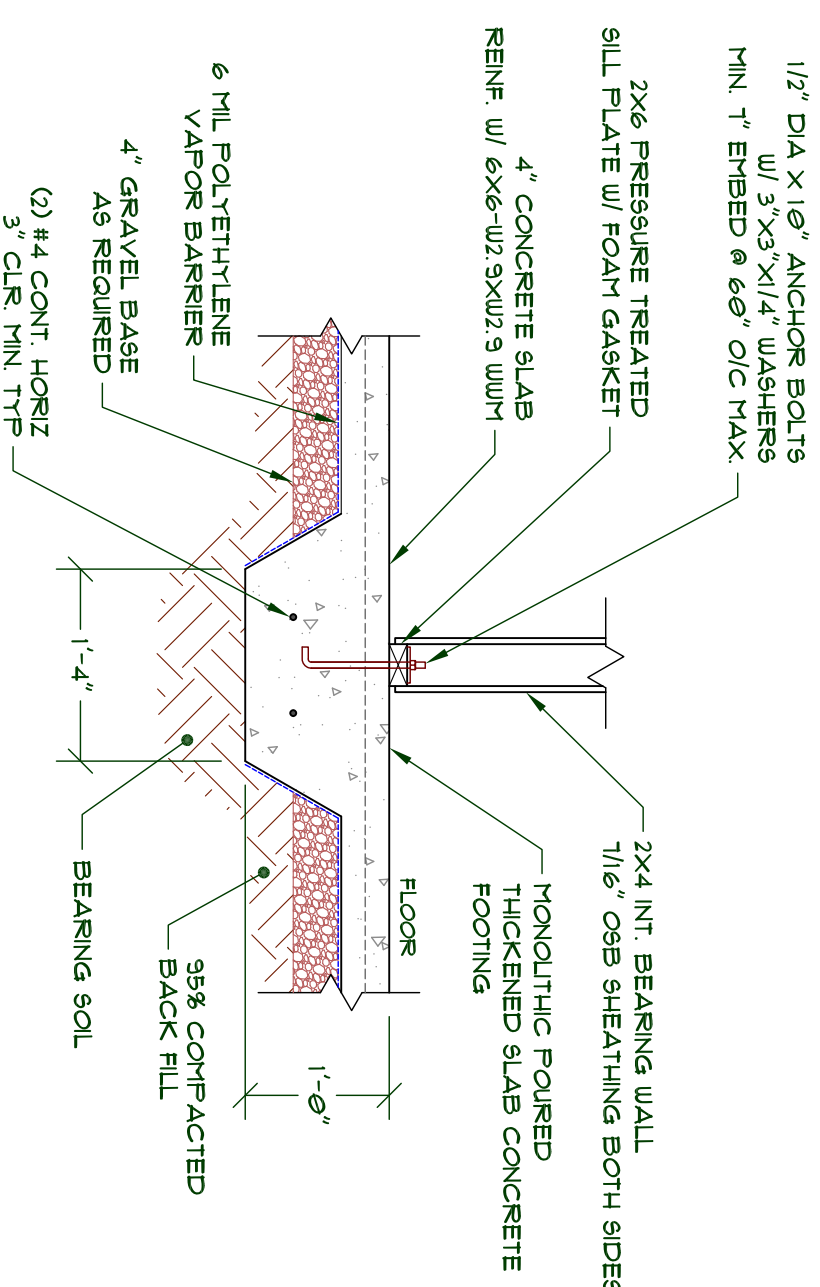
**BUILDING CODE COMPLIANCE**

THIS STRUCTURAL DESIGN WAS PREPARED TO COMPLY WITH THE 2015 INTERNATIONAL RESIDENTIAL CODES. LOCAL BUILDING CODES MAY REQUIRE MODIFICATIONS TO BOTH MATERIALS AND DESIGN.

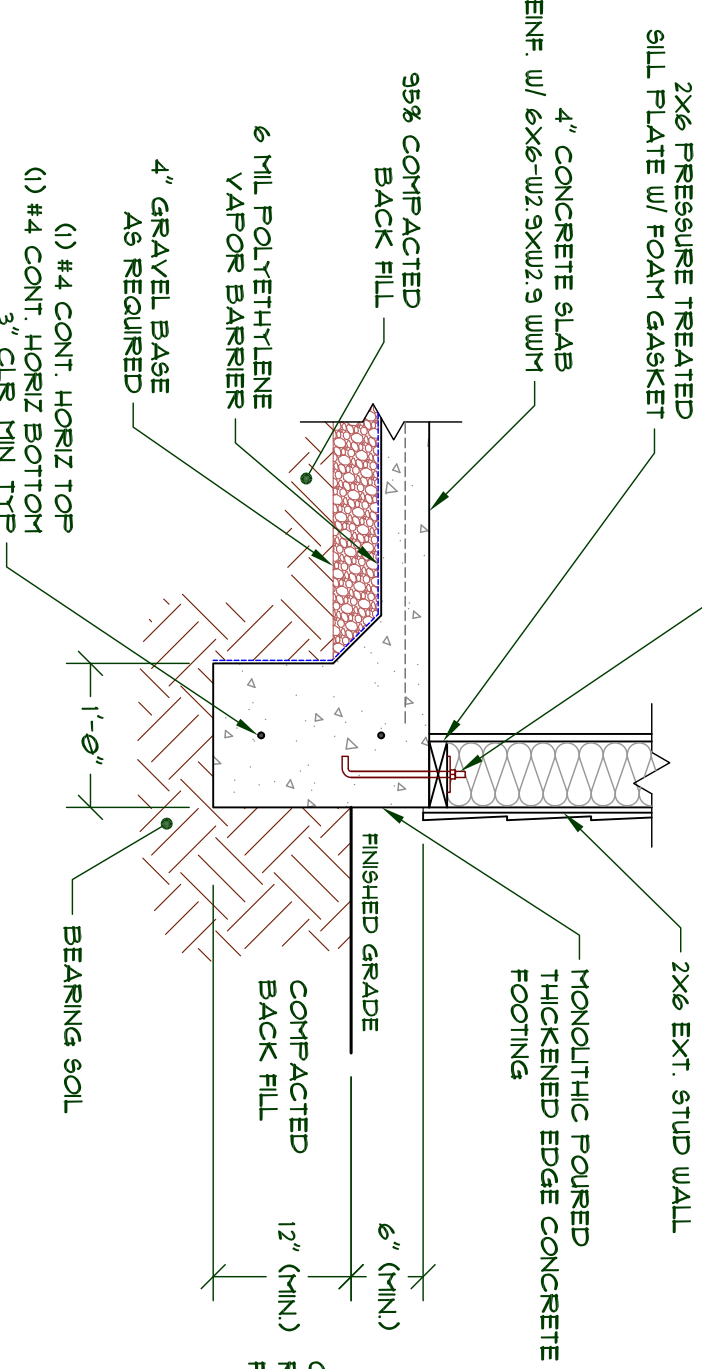
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 ANSI TPI-1-0901  
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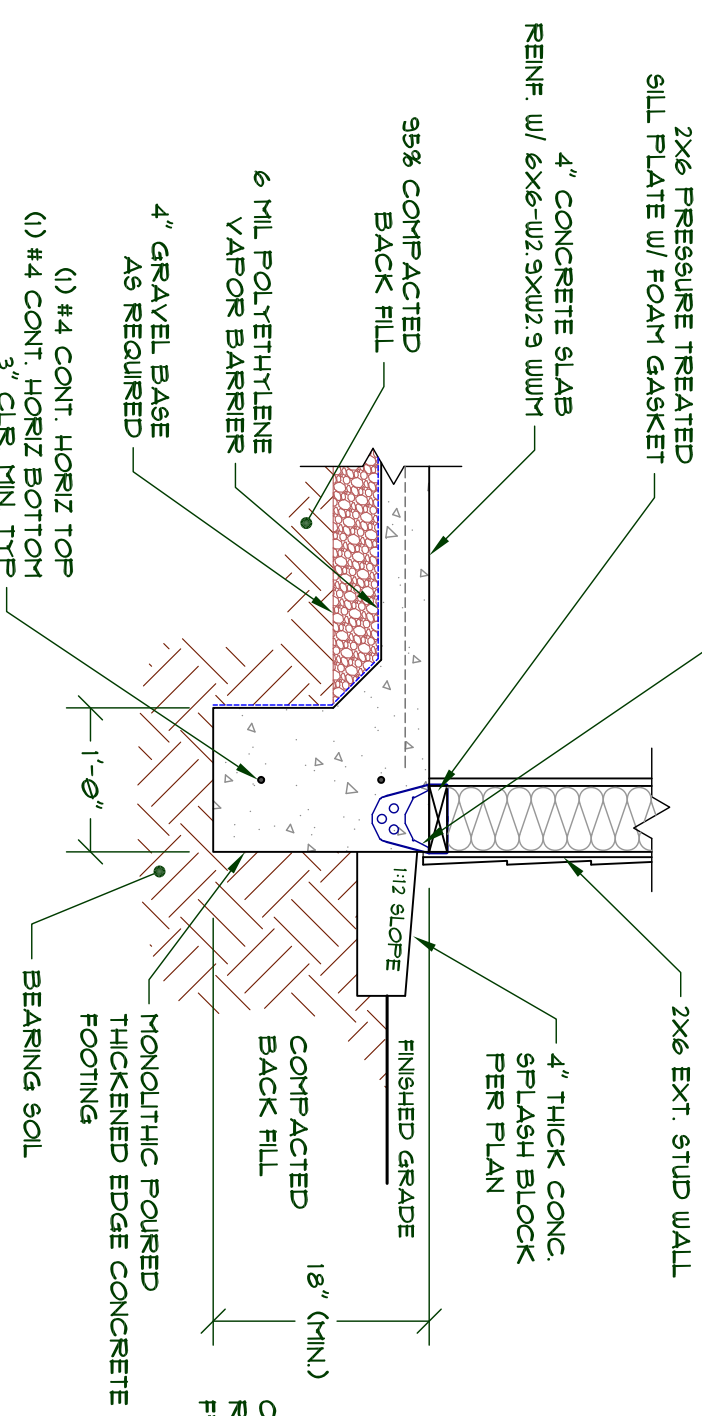
**1 POWER'S "SPIKE" ANCHOR DETAIL**  
 SCALE: 3/4"=1'-0"



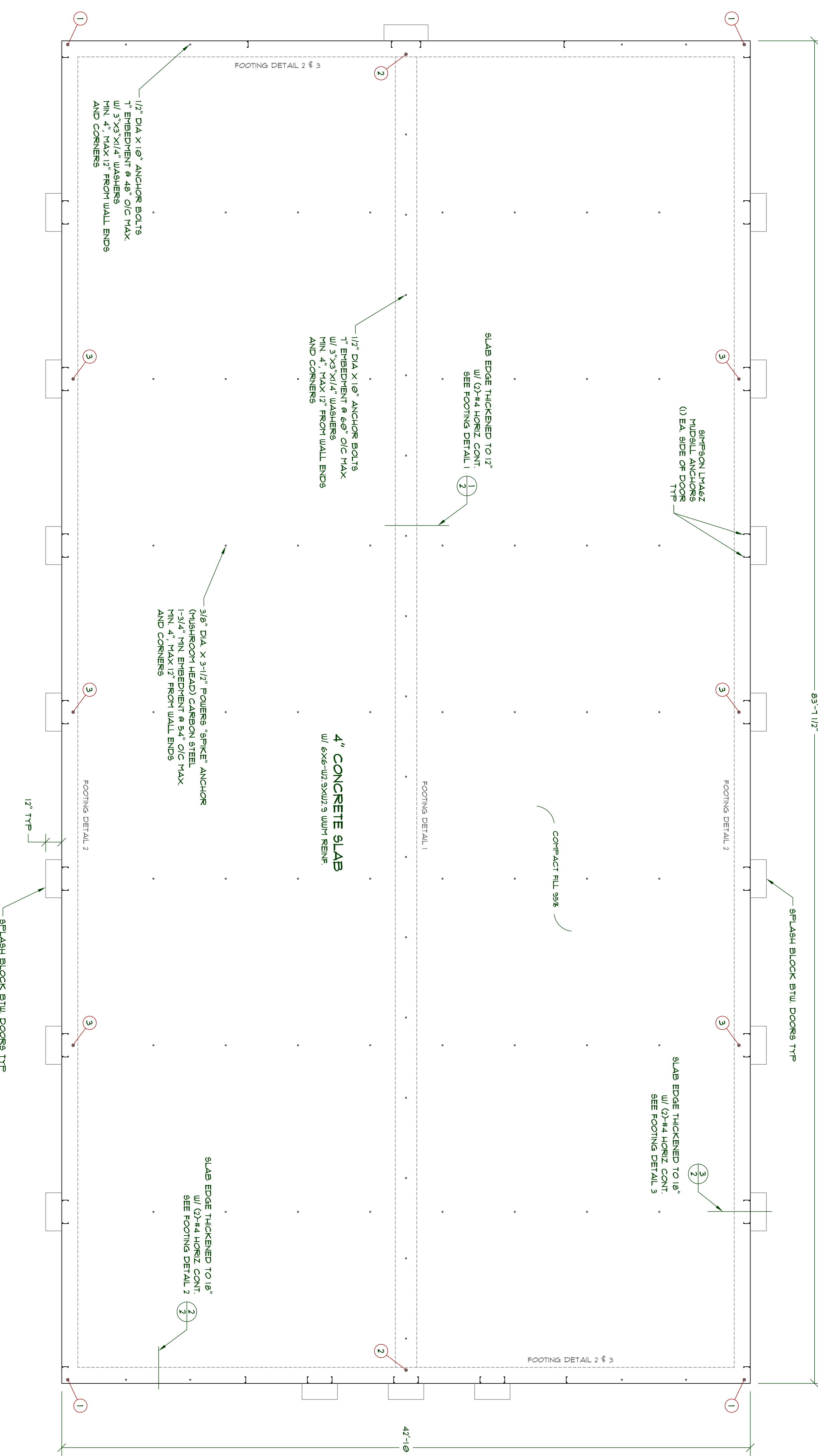
**2 THICKENED SLAB FOOTING DETAIL**  
 SCALE: 3/4"=1'-0"



**3 FOOTING DETAIL**  
 SCALE: 3/4"=1'-0"



**4 FOOTING DETAIL W/ SPLASH BLOCK**  
 SCALE: 3/4"=1'-0"



**FOUNDATION PLAN**

SCALE: 1/4"=1'-0"

Location	Part No. & Desc.	Instructions
WALL A	Simon LMA4Z	Each side of overhead door or main door.
WALL B	1/2" DIA. x 10" ANCHOR BOLT	Install 60" o/c @ 6" min. 7" embedment w/ 3X3X1/4" P.L. WASHER.
WALL C	Simon LMA4Z	Each side of overhead door or main door.
WALL D	1/2" DIA. x 10" ANCHOR BOLT	Install 48" o/c @ 6" min. 7" embedment w/ 3X3X1/4" P.L. WASHER.
WALL E	1/2" DIA. x 10" ANCHOR BOLT	Install 54" o/c @ 6" min. 7" embedment (w/ meshroom head).
WALL 1	POWERS SPIKE 3/8" X 3-1/2"	Install 54" o/c @ 6" min. 1-3/4" embedment (w/ meshroom head).
WALL 2	POWERS SPIKE 3/8" X 3-1/2"	Install 54" o/c @ 6" min. 1-3/4" embedment (w/ meshroom head).
WALL 3	POWERS SPIKE 3/8" X 3-1/2"	Install 54" o/c @ 6" min. 1-3/4" embedment (w/ meshroom head).
WALL 4	POWERS SPIKE 3/8" X 3-1/2"	Install 54" o/c @ 6" min. 1-3/4" embedment (w/ meshroom head).
WALL 5	1/2" DIA. x 10" ANCHOR BOLT	Install 48" o/c @ 6" min. 7" embedment w/ 3X3X1/4" P.L. WASHER.

Note: Use Powers 'Spike' anchors on all other interior partition walls not listed in schedule @ 54" o/c spacing.

**ATTENTION !**

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY AND THAT IT IS SUITABLE FOR THE PROJECT TO BE BUILT IN FULL COMPLIANCE WITH ALL STATE AND LOCAL BUILDING CODES AND ORDINANCES. THE FACT DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH ANY CODE OR ORDINANCE. NO APPROVAL IS GIVEN WITHOUT SIGNATURE TO VIOLATE ANY CODE OR CITY ORDINANCE.

THE GENERAL CONTRACTOR HAS BEEN MADE TO DRAW THESE PLANS WITHOUT ERROR. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MATERIALS, LABOR, OR METHODS USED IN THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND OTHER AGENCIES.

SHEET          <b>2</b>  OF 6	CUSTOMER:  LOCATION:	REVISION HISTORY:	SHEET CONTENTS:          <b>FOUNDATION PLAN</b>	DESIGNED BY:  <b>NFW</b>  DATE:  <b>8/2/2015</b>	PLAN NO.  <b>STORAGE8443</b> <b>MINI-STORAGE BLDG.</b>  SCALE: 1/4"=1'-0" REVISION: A.1	<b>MEDEEK ENGINEERING</b> Inc. 3035 SR 109 COPAUS BEACH, FLA 38555 PH (407) 450-5175 FAX (407) 450-5175 DESIGN@MEDEEK.COM WWW.MEDEEK.COM ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF MEDEEK ENGINEERING, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DOCUMENT IS STRICTLY PROHIBITED. REVISED COPY OF THE DOCUMENT MUST BE USED.
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