

**GENERAL NOTES:**

1. All dimensions and conditions must be verified in the field. Any discrepancies shall be brought to the attention of the engineer before proceeding with the affected part of the work.
2. Sections and details shown on any structural drawings shall be considered typical for similar conditions.
3. All proprietary products shall be installed in accordance with the manufacturer's written instructions.
4. The structure is designed to be self supporting and stable after the framing is complete. It is the contractor's sole responsibility to determine erection procedures and sequencing to ensure the safety of the building and its components during erection. This includes the addition of necessary shoring, sheeting, temporary bracing, guys or tie downs. Such material shall remain the property of the contractor and be removed upon completion of the project. All applicable provisions of the federal department of labor occupational safety and health act.

**DESIGN LOADS:**

1. Building code: International Building Codes (IBC and IRC 2009)
2. Design Live Loads: 30 psf Bedrooms (Level 2), 40 psf Living Space (Level 1), 20 psf Attic Space.
3. Design Wind loads: N/A
4. Design Seismic loads: N/A

**FOUNDATION NOTES:**

1. Foundations have been designed to conform with the prescriptive bearing pressures provided in the International Building Code to be verified by the Owner prior to construction.
2. Settlement of the soil below the footings is beyond the scope of this contract and remains the responsibility of the owner at their request.
3. Structural fill shall be used at all locations below footings and slabs and adjacent to the foundation walls. Prior to placement of structural fill, remove all topsoil and other unsuitable material. Compacted structural fill shall consist of clean granular material free of organics, loam, trash, snow, ice, frozen soil or any other objectionable material. It shall be well graded within the following units:

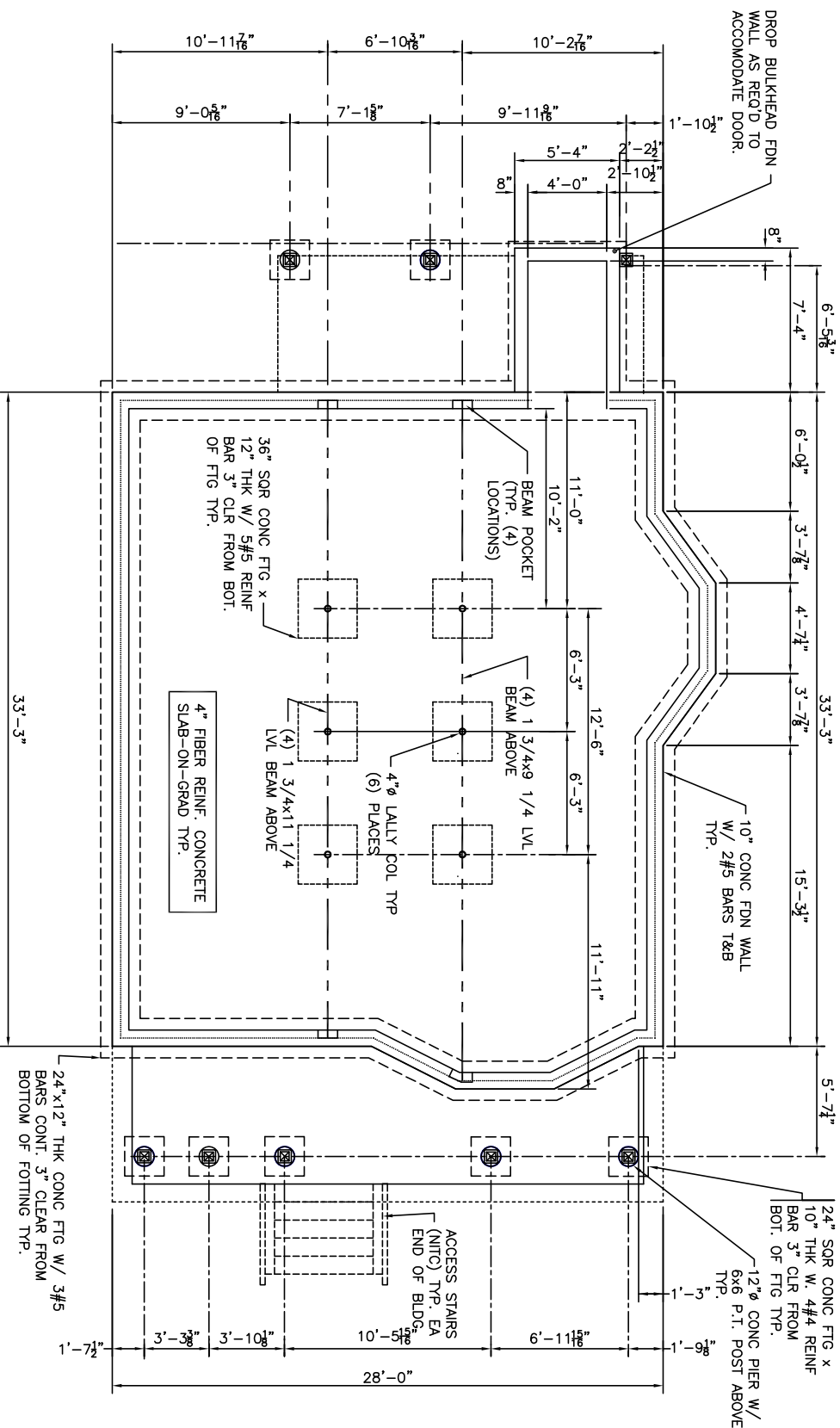
SCREEN OR SIEVE SIZE	PERCENT FINER BY WEIGHT
4 inch	100
3 inch	90 to 100
1/4 inch	25 to 90
NO. 40	0 to 30
NO. 200	0 to 5

**CONCRETE NOTES:**

1. All concrete work shall conform to ACI 318—Latest Edition.
2. Concrete strength of 28 days shall be:
  - a. 3000 PSI for all new form walls, footings, piers, and slabs.
3. All concrete shall be air entrained 4% to 6%.
4. Concrete shall not be placed in water or on frozen ground.
5. Reinforcing bars shall conform to ASTM A615 Grade 60 deformed bars, and shall be detailed, fabricated and erected in accordance with ACI 315—Latest edition.

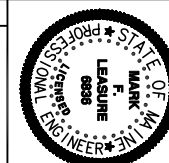
**TIMBER FRAMING:**

1. All timber framing shall be in accordance with the AITC timber construction manual or the national design specifications (NDS) —latest edition.
2. Individual timber framing members shall be visually graded, minimum grade #2 Spruce—Pine—Fir (SPF), kiln dried to 19% maximum moisture content.
3. Pressure treated lumber shall be used where wood is in contact with ground, concrete or masonry. Timber shall be southern yellow pine treated with cca to 0.4 #/CF in accordance with AWPA C-18.
4. Metal connectors shall be used at all timber to timber connections or as noted on the design drawings.
5. Provide Simpson H3 hurricane anchors where timber framing and/or trusses bear on structural steel beams.
6. Nailing not specified shall conform with BOCA 1999.



**FOUNDATION PLAN**  
SCALE 1/4" = 1'-0"

THESE DRAWINGS HAVE BEEN PREPARED BY MFL ENGINEERING FOR THE FIELD SET ONLY. THE DRAWINGS ARE NOT TO BE USED, COPY, OR ALTERED WITHOUT THE WRITTEN CONSENT OF MFL ENGINEERING.

<h1 style="font-size: 48px; margin: 0;">S1.1</h1>	<p><b>McVeigh Residence</b> 38 COLUMBIA STREET PORTLAND, MAINE GENERAL NOTES AND FOUNDATION PLAN</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>designed by: MFL</td> <td>rev.</td> <td>date</td> <td>description</td> <td>appr'd</td> </tr> <tr> <td>drawn by: MFL</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>checked by: SAH</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>scale: AS NOTED</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>date: JUNE 20, 2014</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>For Permitting: JUNE 20, 2014</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>project #: 2014.10</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	designed by: MFL	rev.	date	description	appr'd	drawn by: MFL	-	-	-	-	checked by: SAH	-	-	-	-	scale: AS NOTED	-	-	-	-	date: JUNE 20, 2014	-	-	-	-	For Permitting: JUNE 20, 2014	-	-	-	-	project #: 2014.10	-	-	-	-		<p><b>MFL ENGINEERING</b> 543B OCEAN HOUSE ROAD CAPE ELIZABETH, MAINE 04107</p> <p>CELLULAR: 207.329.3717 LAND LINE: 207.329.3717 FACSIMILE: 207.000.0000 E-Mail: mfleng@maine.rr.com</p>
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