



GENERAL NOTES:

- CONCRETE QUALITY SHALL BE AS FOLLOWS (f_c AT 28 DAYS TYPICAL):
 FOR ALL MIXES, SLUMP SHALL NOT EXCEED 5"
 ALL CONCRETE UNLESS NOTED OTHERWISE"
 $f_c=3500\text{psi}$ 4-6% AIR ENTRAINMENT
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A 615, GRADE 60.
- AT ALL BAR LAP SPLICES PROVIDE WIRE-TIED MINIMUM LAP OF 30 BAR DIAMETERS UNLESS NOTED OTHERWISE.
- CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS UNLESS DETAILED OTHERWISE:

INCHES	
FOOTINGS POURED AGAINST EARTH	3"
SURFACE EXPOSED TO WEATHER OR EARTH:	
BARS LARGER THAN #5	2"
#5 BARS OR SMALLER	1 1/2"
SURFACES NOT EXPOSED TO WEATHER OR EARTH:	
SLABS AND WALL	3/4"
BEAMS, GIRDERS, AND COLUMNS	1 1/2"
- SOIL PRESSURE
 PRESUMED SOIL BEARING PRESSURE:
 3500 PSF ON UNDISTURBED MATERIAL OR COMPACTED STRUCTURAL FILL.
 ALLOWABLE SOILING BEARING PRESSURE AND DESIGN LATERAL PRESSURES SHALL BE CONFIRMED BY SITE EVALUATION AND BY AN ENGINEER BEFORE CONSTRUCTION.
- REMOVE TOPSOIL AND ALL UNCONTROLLED FILL FROM BENEATH AREA OF NEW CONSTRUCTION. PLACE COMPACTED STRUCTURAL FILL WHERE NECESSARY TO RAISE THE ELEVATION OF THE SUBGRADE BENEATH THE BUILDING AND SITE WALLS, STRUCTURES AND SLABS. STRUCTURAL FILL SHALL CONSIST OF WELL GRADED SAND, GRAVEL, CRUSHED STONE, CRUSHED GRAVEL, OR A MIXTURE OF THESE, AND SHALL CONTAIN NO ORGANIC MATTER. THE FILL SHALL CONFORM TO THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
DESIGNATION	BY WEIGHT
4 INCH	100
3/4 INCH	70-100
NO. 100	0-40
NO. 200	0-10

 STRUCTURAL FILL SHALL BE COMPACTED IN 6 INCH LIFTS TO 95-PERCENT OF ITS MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST.
- IF BEDROCK IS FOUND, FOOTING CAN BE PLACED AND PINNED WITH REBAR DIRECTLY ON TOP OF ROCK.

FOUNDATION PLAN

Scale: 3/16" = 1'-0"

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
A	3'-0" x 3'-0" x 1'-0"	(6) #4 E.W. BOT.
B	2'-0" x 2'-0" x 1'-0"	(4) #4 E.W. BOT.
C	1'-6" x 1'-6" x 1'-0"	(3) #4 E.W. BOT.

FOUNDATION PLAN
 FOR
BROOK FARM BARN
 TOWN OF NEW PALTZ
 ULSTER COUNTY ~ NEW YORK

AUGUST 25, 2015

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