CONCRETE & REINFORCING

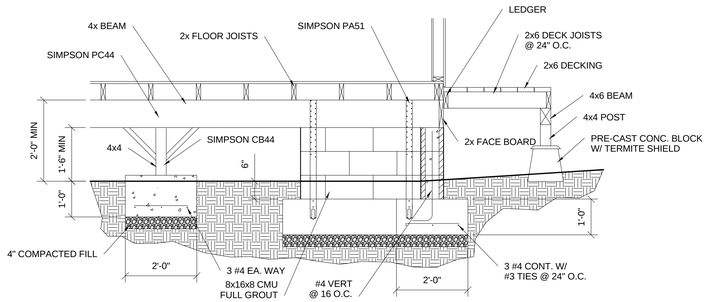
1. NOTIFY ARCHITECT TWO WORKING DAYS PRIOR TO ANY CONCRETE POUR.
2. USE TYPE I OR II CEMENT CONFORMING WITH A.S.T.M. C-150. CONCRETE SHALL HAVE COMPRESSIVE STRENGTHS AT 28 DAYS AS FOLLOWS: SLAB ON GRADE & FOUNDATIONS....3,000 PSI, PROVIDE MINIMUM OF 4.6 SACKS OF CEMENT EACH CUBIC YARD OF CONCRETE.
3. HARDROCK AGGREGATES SHALL CONFORM TO A.S.T.M. C-33 AND SHALL BE ONE INCH MAXIMUM SIZE.
4. MAXIMUM SLUMP FOR ALL CONCRETE SHALL BE 4 INCHES.
5. ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO A.S.T.M. A-615 GRADE 60 UNLESS OTHERWISE NOTED. PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH A.C.I. 315 AND A.C.I. 318. ALL REINFORCING STEEL SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL BENDS SHALL BE MADE COLD.
6. ALL REINFORCING STEEL SHALL BE LAPPED 30 BAR DIAMETERS OR EIGHTEEN INCHES, WHICHEVER IS GREATER, AT SPLICES. ALL SPLICES SHALL BE MADE AWAY FROM THE POINT OF MAXIMUM STREES.
7. WIRE MESH SHALL CONFORM TO A.S.T.M. A-185, SUPPORTED BY SUITABLE REINFORCING STEEL "CHAIRS", OR PROVIDE MASONRY BLOCKOUTS AS CHAIRS. PROVIDE A MINIMUM EIGHT INCHES LAP.
8. CONCRETE COVER TO REINFORCING STEEL SHALL BE AS FOLLOWS:
   POURED AGAINST EARTH.....3 INCHES
   EXPOSED TO EARTH, BUT POURED AGAINST FORMS:
   .....2 INCHES
   SLABS ON GRADE (WIRE MESH).....1-1/2 INCHES
9. ALL CONCRETE FLOOR SLABS SHALL BE STEEL TROWELED TO AN APPROXIMATELY SMOOTH FINISH, BROUGHT TO TRUE EVEN PLANES AND LEVEL. UNLESS OTHERWISE SPECIFIED, ALL CONCRETE WALKS AND DRIVEWAYS SHALL BE BROOM FINISHED AND PROPERLY PITCHED TO DRAIN.
10. ALL CONCRETE SHALL BE CURED FOR A PERIOD NOT LESS THAN SEVEN DAYS BY ONE OF THE FOLLOWING METHODS. THE CURING MEDIUM SHALL BE APPLIED SO AS TO PREVENT CHECKING AND CRACKING OF THE SURFACE OF THE CONCRETE IMMEDIATELY AFTER PLACING AND SHALL BE MAINTAINED, SO TO PREVENT DETRIMENTAL LOSS OF WATER FROM THE CONCRETE FOR THE DURATION OF THE ENTIRE CURING PERIOD. PROTECT FRESH CONCRETE FROM HEAVY RAINS, FLOWING WATER, INJURIOUS ACTION OF THE SUN, AND MECHANICAL INJURY.

APPROVED CURING METHODS:

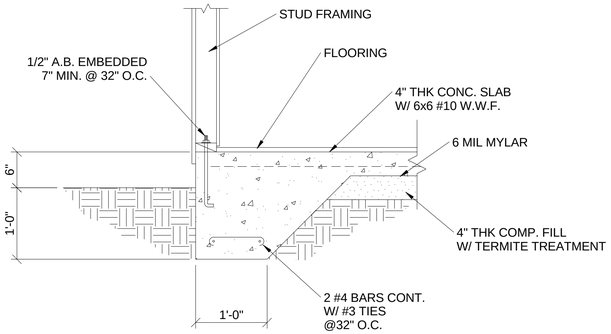
1. WATER CURING: BY CONTINUOUS MECHANICAL SPRINKLING.
2. SATURATED SAND CURING: ONE INCH CONTINUOUSLY MOST SATURATED SAND COVER.
3. CURING COMPOUNDS: SURFACE MEMBRANE TYPE OF APPROVED COMPOSITION AND CHARACTERISTICS.

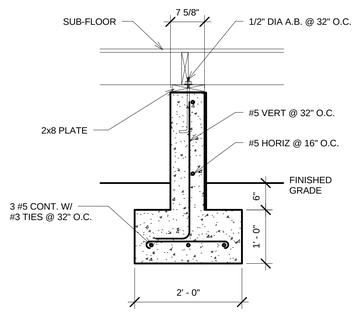
FOUNDATION

1. ALL CONCRETE FOOTINGS SHALL BEAR DIRECTLY ON UNDISTURBED SOIL.
2. ALL FOUNDATION EXCAVATIONS SHALL BE KEPT CLEAR OF WATER AT ALL TIMES. THE BOTTOM OF THE FOOTINGS EXCAVATION SHALL BE NEAT AND FREE OF LOOSE SOILS AND DEBRIS.
3. THE FINISH GRADE OUTSIDE THE SLAB SHALL BE SHAPED TO SHED WATER AWAY FROM THE FOUNDATIONS AND TO AVOID PONDING CONDITION NEAR SLAB AREA.
4. IF THE FOOTING IS LOCATED NEXT TO A UTILITY LINE, IT SHALL EXTEND TO THE BOTTOM OF THE UTILITY TRENCH TO REDUCE FOOTING SETTLEMENT DUE TO SETTLEMENT OF TRENCH BACKFILL.
5. FILLS AND BACKFILLS SHALL BE CLEAN GRANULAR FILL PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED TO A MINIMUM OF 95% OF ITS MAXIMUM DRY DENSITY ESTABLISHED BY ASTM D-1557-78. THE ON SITE CLAY SOIL OR DEBRIS SHALL NOT BE USED FOR FILL MATERIAL BELOW STRUCTURES.
6. THE FILL AREA SHALL BE CLEARED OF VEGETATION AND DEBRIS PRIOR TO FILLING.
7. ALL PLUMBING, ELECTRICAL AND MECHANICAL PIPES AND CONDUIT SHALL BE A MINIMUM OF 4" BELOW ALL FOOTINGS, SLABS AND RETAINING WALLS. N0 PIPING SHALL BE DIRECTLY EMBEDDED IN CONCRETE OR MASONRY.
8. ALL LANAI SLABS SHALL BE 3-1/2" BELOW FINISH FLOOR ELEVATION OF RESIDENCE AND SLOPE 1/8" PER FOOT AWAY FROM HOUSE.

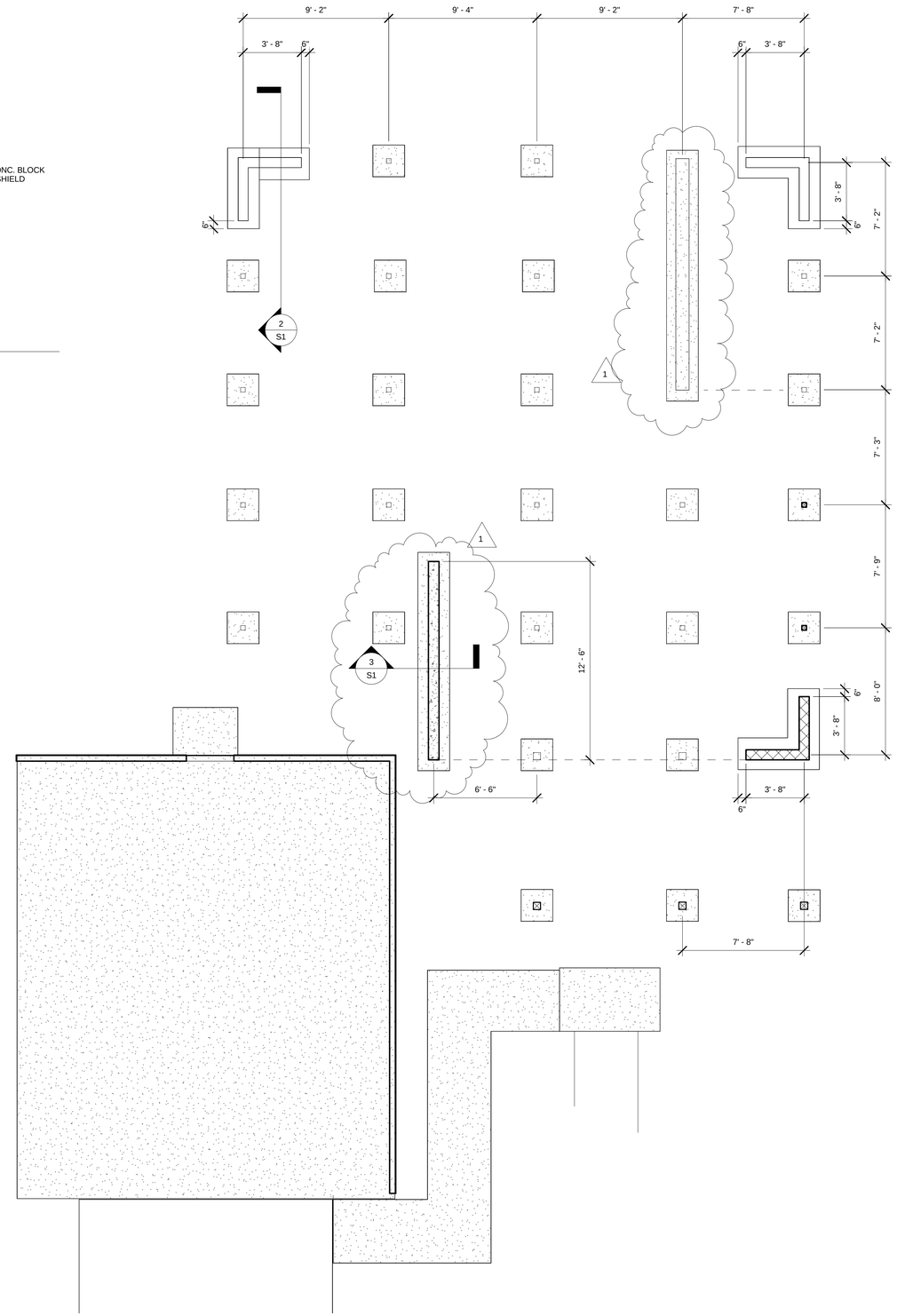


2 FOOTING DETAIL
1/2" = 1'-0"





3 STEM WALL
3/4" = 1'-0"



1 FOUNDATION
1/4" = 1'-0"

REV.	DESCRIPTION	DATE
1	ADD NEW STEM WALL	6/09/2007

SHEET TITLE: FOUNDATION PLAN

PROJECT NO.: 2006016
DATE: 9/12/06
DRAWN BY: Author
SCALE: As indicated
SHEET NO.:

S1