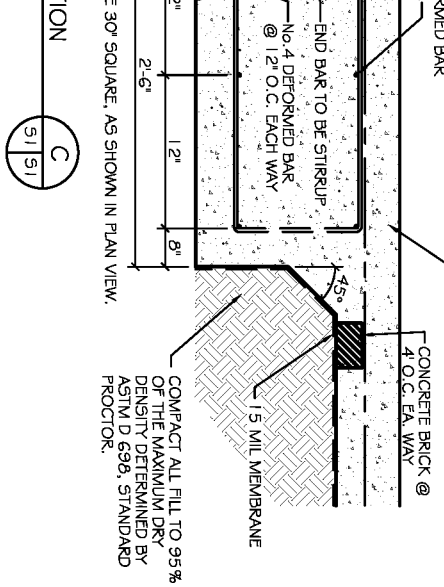
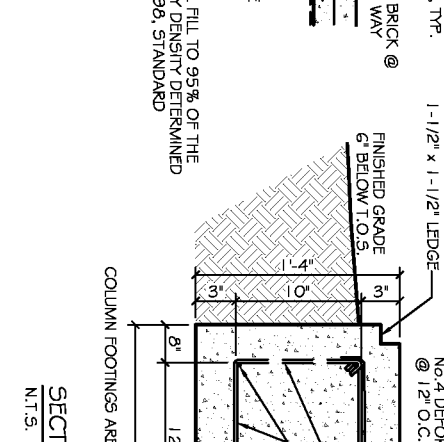
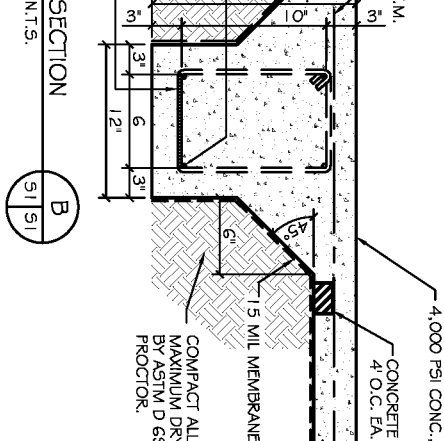
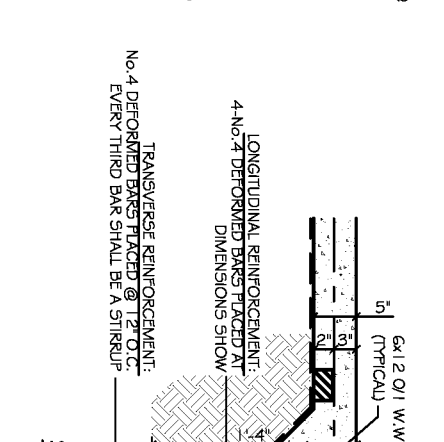
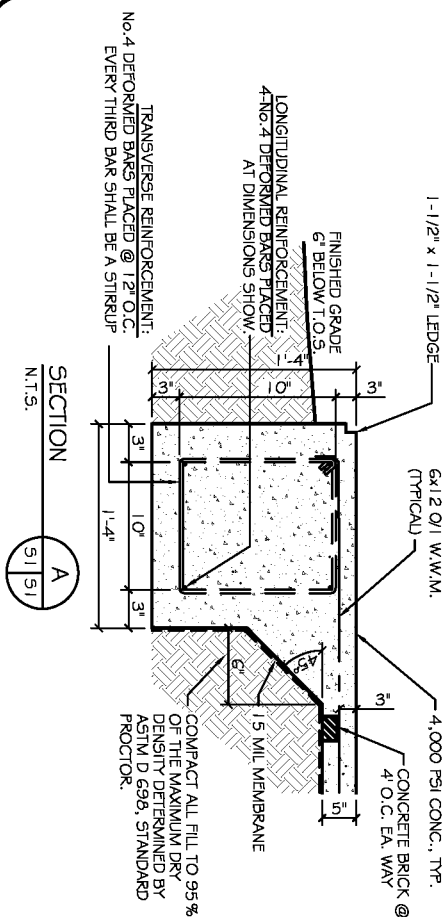


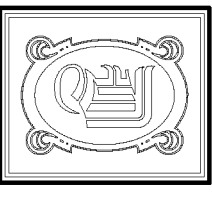
FOUNDATION PLAN
SCALE: 1/2"=1'

- FOUNDATION NOTES:**
1. THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI 318.
 2. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
 3. ONE LAYER OF POLYETHYLENE VAPOUR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOUR BARRIER TO BE 15 MIL. STRENGTH; ASTM E 1745 CLASS A. PERFORMANCE LESS THAN 0.01 PERMS, EQUAL TO STENO INDUSTRIES STENO WRAP, ECOSHIELD-E-15 MIL BY EPKO, OR RONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
 4. ALL REINFORCING STEEL AND MESH SHALL BE SIZED AND SPACED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
 5. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
 6. GRADE BEAM SIZES MAY VARY BY -5% +20%.
 7. ALL SUB GRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
 8. A MINIMUM OF 5" CONCRETE SHALL BE MAINTAINED THROUGHOUT THE SLAB.
 9. ALL RUNOFF WATER MUST BE CARRIED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
 10. ALL TREES WITHIN CLOSE PROXIMITY SHALL BE IDENTIFIED PRIOR TO THE ROOTS FROM EXTENDING UNDER THE SLAB. PROVIDE AND MAINTAIN SITE DRAINAGE BEFORE DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO MAINTAIN DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA.
 11. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID DROUSE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAWN AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATION BE LEFT OPEN FOR MORE THAN 72 HOURS, THE EXCAVATION SHALL BE PROTECTED BY SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL AT LEAST 2 FEET BELOW FINISHED GRADE. SHOULD BE DESIGNED FOR MAXIMUM NET ALLOWABLE BEARING PRESSURES OF 1,200 PSF AND 2,000 PSF, RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
 12. TREAT SOIL BELOW SLAB FOR TERMITES.
 13. THIS DESIGN IS BASED ON REACTIONS AND LOADING CONDITIONS PROVIDED BY MUEHLER INC. STEEL BUILDING SYSTEMS AND COMPONENTS, DATED 3-29-06.
 - 14.



REV: _____
SCALE: AS NOTED
JOB#: _____
DATE: 06-28-11
SHEET 1
OF 1

S-1



DAMMON
ENGINEERING, INC.

CHIEF ENGINEER
EMILETT
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FOUNDATION
PLAN