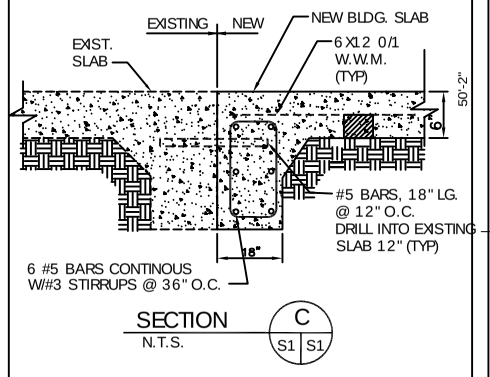
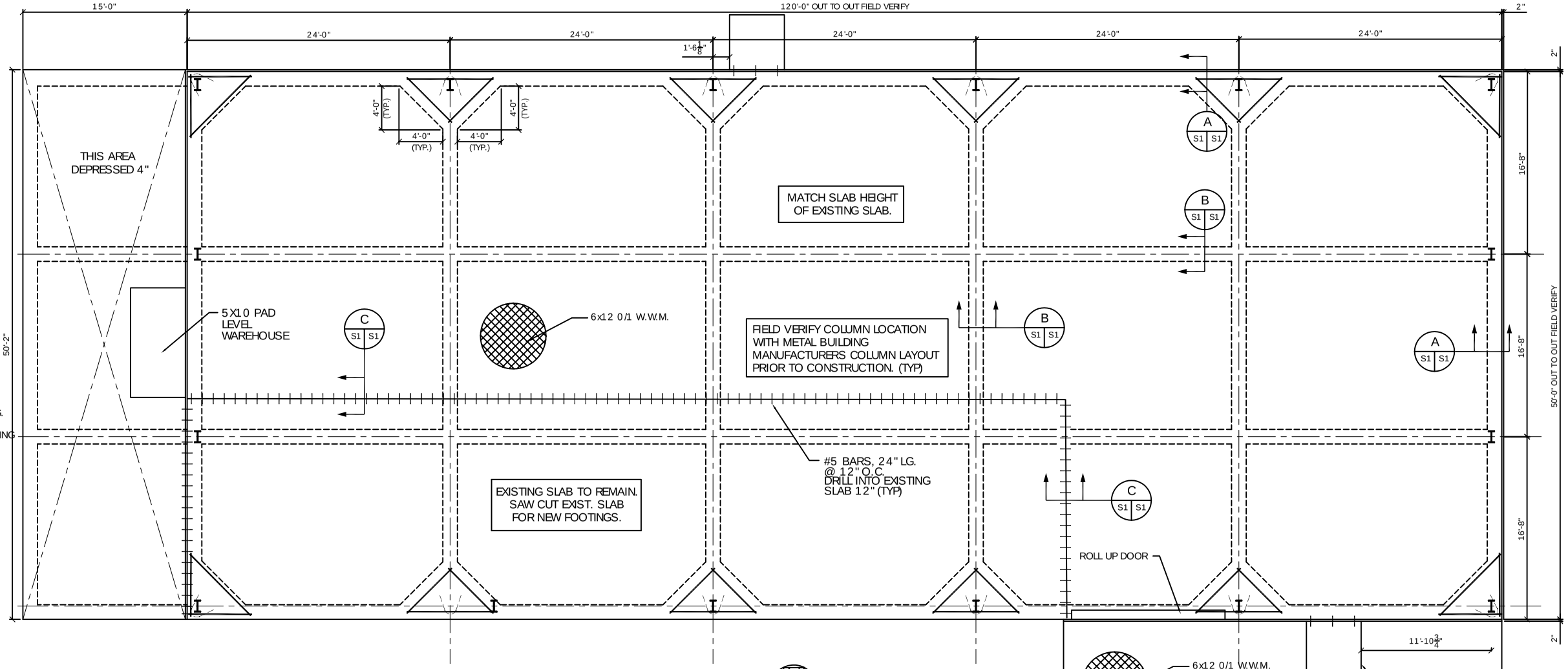


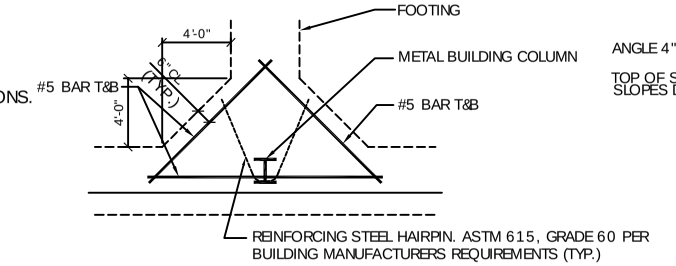
SECTION C
N.T.S.



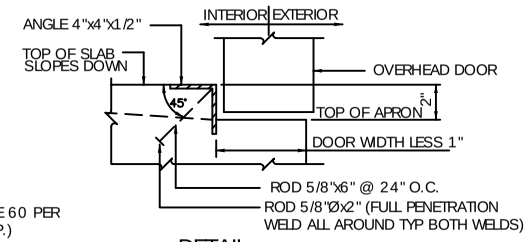
FOUNDATION PLAN
SCALE: 3/16"= 1'-0"

NOTES:

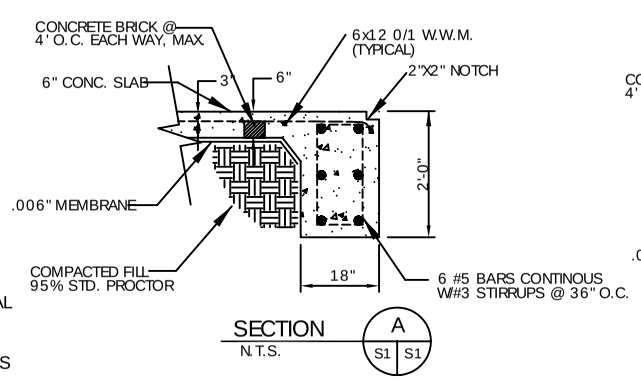
1. THE CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-8.
2. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
3. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE.
4. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENTS.
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 6" 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 REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
11. PRIOR TO CONSTRUCTION, THE ARE OF THE STRUCTURE FOUNDATIONS SHOULD BE STRIPPED OF ALL VEGETATION, EXISTING FILL MATERIAL, SOFT OR LOOSE SURFACE SOILS, DELETERIOUS MATERIAL, ETC. ALL EXCAVATED MATERIAL SHOULD BE REPLACED WITH CONTROL COMPACTED STRUCTURAL FILL.
12. PROVIDE AND MAINTAIN IMMEDIATE SITE DRAINAGE BEFORE, DURING, AND AFTER CONSTRUCTION. PROVIDE GRADING, SWELLS, AND SUMP PUMPS AS MAY BE REQUIRED TO IMMEDIATELY DRAIN ALL RAINWATER FROM THE CONSTRUCTION AREA. FOOTING EXCAVATIONS SHOULD BE OBSERVED AND CONCRETE PLACED AS QUICKLY AS POSSIBLE TO AVOID EXPOSURE OF THE FOOTING BOTTOMS TO WETTING AND DRYING. SURFACE RUNOFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATIONS AND NOT BE ALLOWED TO POND PRIOR OR AFTER CONCRETE PLACEMENT. IF IT IS REQUIRED THAT A FOOTING EXCAVATIONS BE LEFT OPEN FOR MORE THAN ONE DAY, THEY SHOULD BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF MOISTURE.
13. THE STRUCTURAL FILL COULD CONSIST OF RED CLAYSAND TYPE MATERIAL HAVING LESS THAN 30 PERCENT FINES PASSING THE NO. 200 SIEVE. IT SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ACCORDING TO ASTMD-698 (STANDARD PROCTER). IN PLACE DENSITY MEASUREMENTS SHOULD BE TAKEN TO ASSURE THAT THIS DEGREE OF COMPACTION IS ACHIEVED. FOR THIS CASE, THE FOOTINGS COULD BE SEATED IN THIS STRUCTURAL FILL USING THE ALLOWABLE SOIL BEARING CAPACITIES GIVEN BELOW.
14. NEW 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 1,500 PSF AND 1,200 PSF, RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS. THESE ALLOWABLE SOIL BEARING CAPACITIES ASSUME THAT THE SPREAD FOOTINGS BYPASS THE EXISTING FILL AND ARE SEATED IN THE FIRM, NATURALLY OCCURRING MEDIUM STIFF TO STIFF CLAYS THAT WERE ENCOUNTERED AT THE 1 TO 1 1/2 FOOT DEPTH BELOW THE EXISTING GROUND SURFACE ELEVATION.
15. BASED ON THE RESULTS OF THE FIELD AND LABORATORY TEST AND THE ANTICIPATED FOUNDATION LOADS, ESTIMATED MAXIMUM FOUNDATION SETTLEMENTS SHOULD NOT EXCEED 1 INCH. DIFFERENTIAL SETTLEMENT IS ESTIMATED TO BE LESS THAN 1/2 INCH.
16. TREAT SOIL BELOW SLAB FOR TERMITES.



FOOTING @ COLUMN DETAIL
N.T.S.



DETAIL
N.T.S. TYP AT ALL OVERHEAD DOORS



SECTION A
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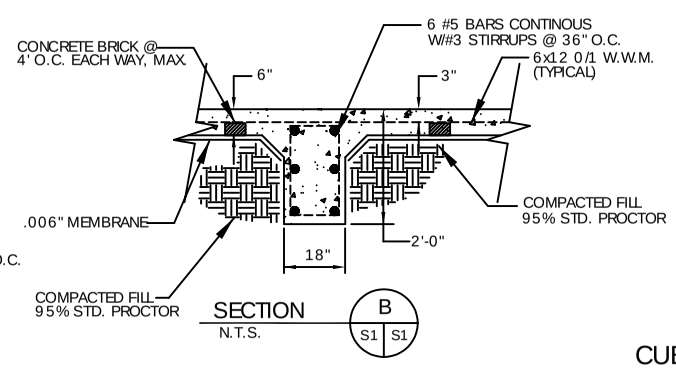

SECTION B
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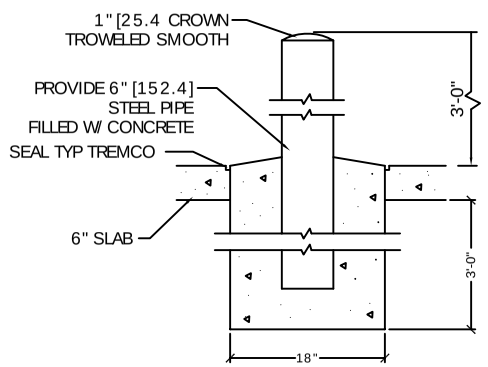
CUBIC YARDS OF FILL
98 CUBIC YARDS



PIPE BOLLARD DETAIL
N. T. S.

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ENGINEERING

STUDIES

PLANNING

INVESTIGATION

EXPERT WITNESS

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FOUNDATION PLAN

REV:

SCALE: AS NOTED

JOB#:1943A

DATE: 07-18-08

SHEET 4

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OF 11