

A
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FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

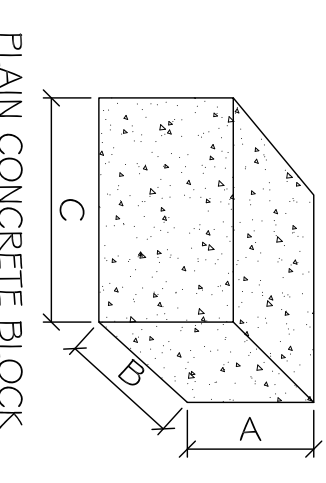
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FOUNDATION NOTES:

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 VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE 1.5 MIL. STRENGTH: ASTM E 1745 CLASS A. PERMEANCE LESS THAN 0.01 PERMS. EQUAL TO STEGO INDUSTRIES STEGO WRAP, ECOSHIELD-E 1.5 MIL BY ETKO, OR RONBAR 1.5 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
4. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED 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 SWAYE.
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 MAINTAINED AWAY FROM THE SLAB TO PREVENT SATURATION OF THE SUB-BASE.
10. ALL TREET WITHIN CLOSE PROXIMITY SHALL BE REMOVED TO PREVENT THE ROOTS FROM EXTENDING UNDER THE SLAB.
11. 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.
12. 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 1,250 PSF, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
13. 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 INCH.
14. TREAT SOIL BELOW SLAB FOR TERMITES.
15. THIS DESIGN IS BASED ON ASSUMED LOADING CONDITIONS AND WILL BE REVIEWED ONCE BIDS. REACTIONS ARE PROVIDED TO ENGINEER.
16. METAL BLDGS. MFR. TO PROVIDE FINAL WIND LOAD REACTIONS TO ENGINEER.



PLAIN CONCRETE BLOCK
PROVIDE PLAIN CONCRETE BLOCK BAR SUPPORTS @ 48" O.C. FOR ALL REINFORCEMENT

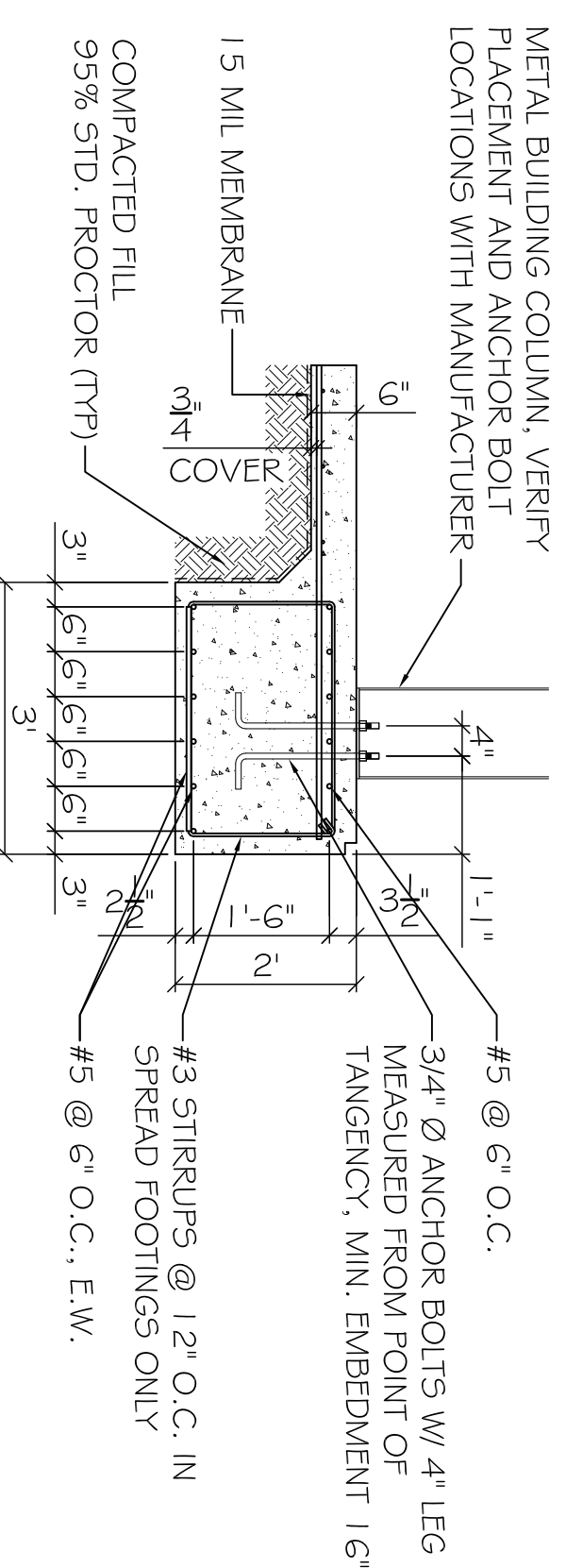
BOTTOM BARS (SLAB):
A - 3/4"
B - 4"
C - 4"

TOP BARS (SLAB):
A - 4-3/4" FOR 6" SLAB
B - 4"
C - 4"

GRADE BEAMS:
A - 2"
B - 4"
C - 4"

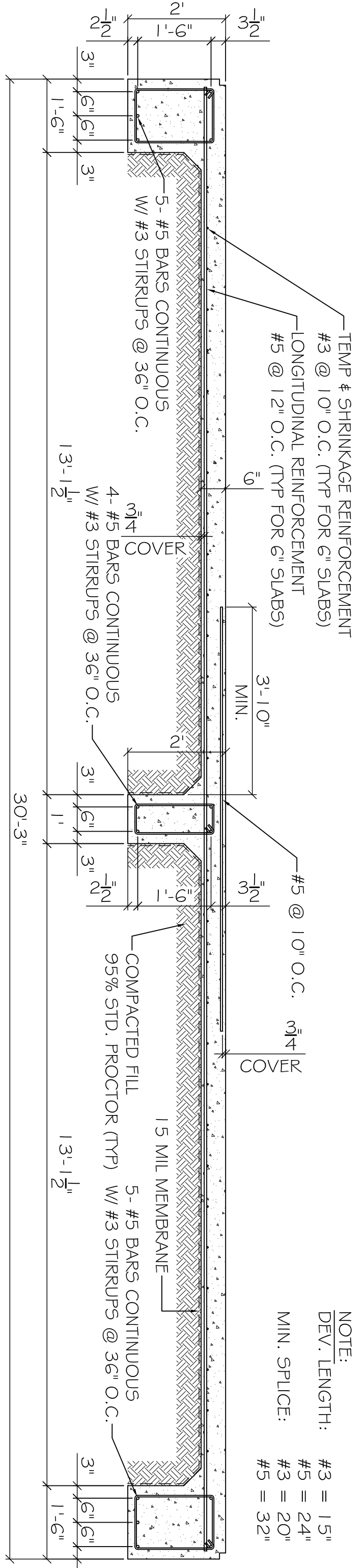
BAR SUPPORT DETAIL

N.T.S.



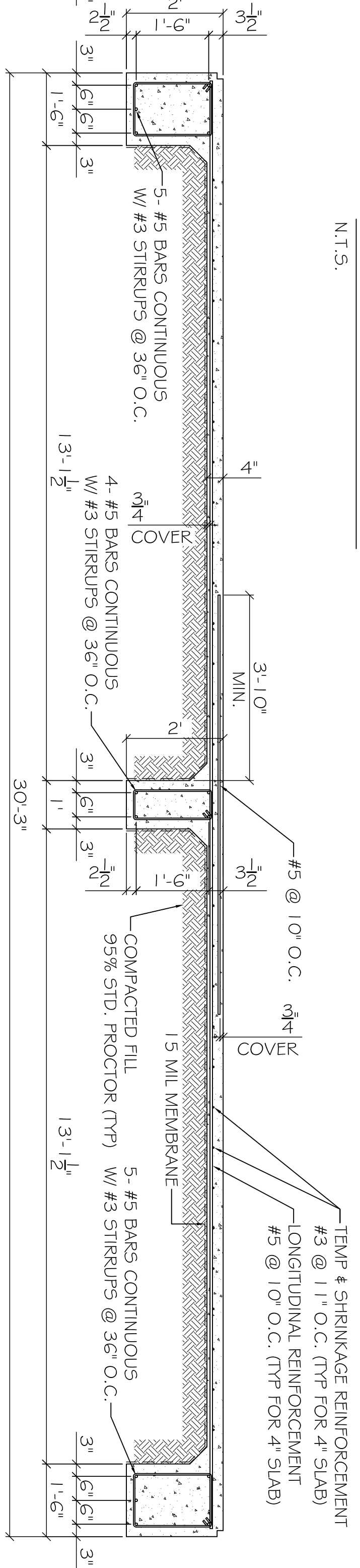
SECTION
SCALE: 1/2" = 1'-0"

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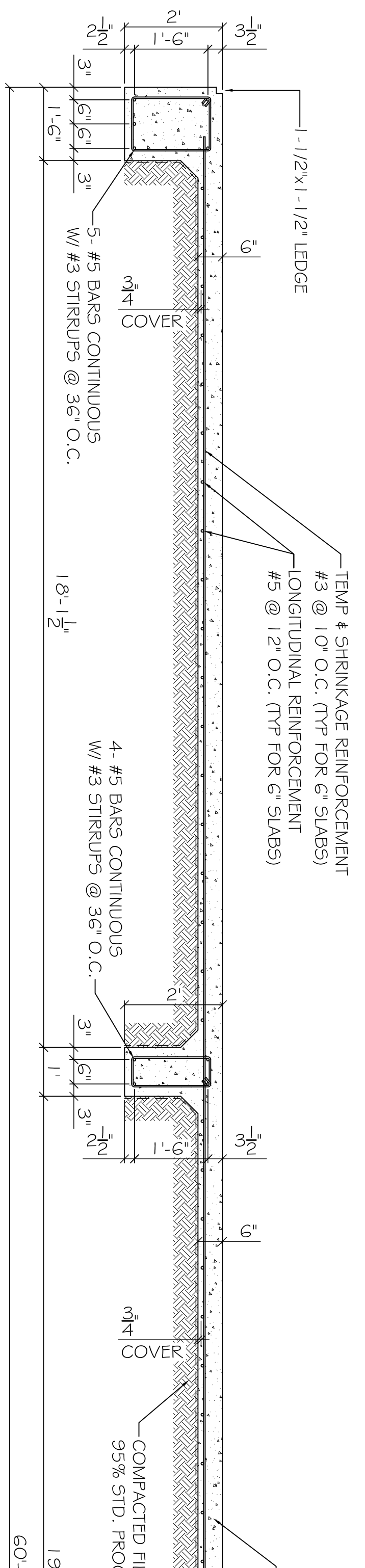
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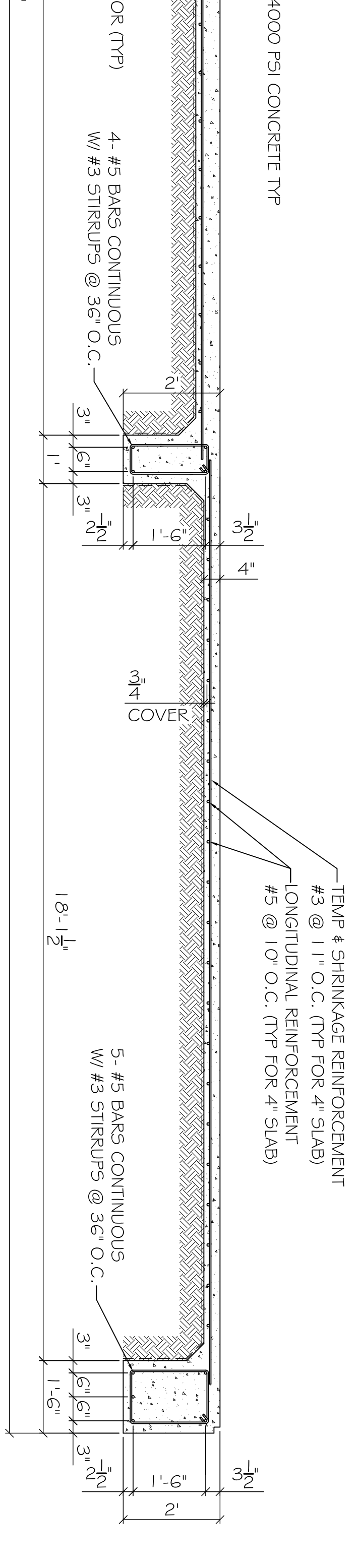
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#	DESCRIPTION	DATE

U.S. FISH & WILDLIFE SERVICE
NEW EQUIPMENT STORAGE BLDG.
UPPER OLIACHITA NATIONAL WILDLIFE REFUGE
BASTROP, LA

JOB No:	2151	DATE:	10/02/12
DRAWN BY:	BSN	CHECKED BY:	BSN



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FOUNDATION PLAN

SHEET No: 03 OF 03

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