

GENERAL NOTES:

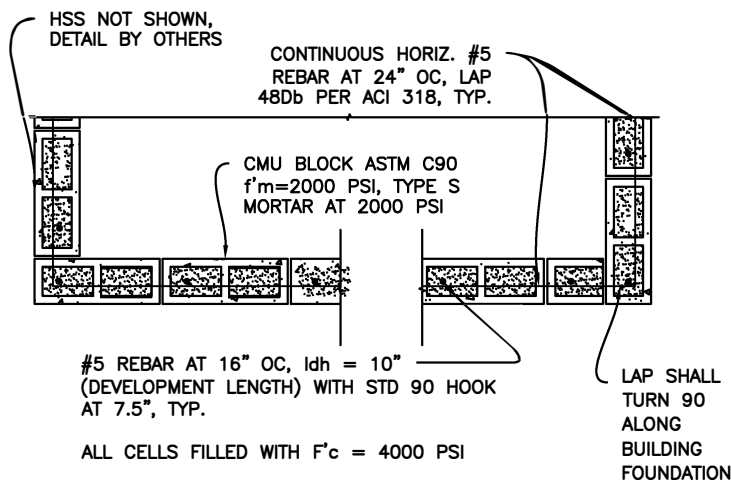
1. ALL UTILITIES, EXISTING FEATURES AND DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO BIDS AND CONSTRUCTION.
2. THE CONTRACTOR IS HEREBY CAUTIONED THAT ALL SITE FEATURES SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS BY INFORMATION PROVIDED BY OTHERS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.
4. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE AS SOON AS PRACTICABLE.
5. CONTRACTOR SHALL PREVENT DUST, SEDIMENT AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS. CONTRACTOR SHALL DISPOSE OF DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCE AND STATUTES.
6. BURNING WILL NOT BE ALLOWED ON THE PROJECT SITE UNLESS AUTHORIZED IN WRITING BY CLIENT.
7. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING FLAG MEN, FENCE, ETC AS NECESSARY TO INSURE SAFETY TO PUBLIC.
8. DETAILS ENTITLED OR NOTED AS "TYPICAL" SHALL APPLY NOT ONLY WHERE SPECIALLY INDICATED OR REFERENCED, BUT ALSO IN ALL OTHER CASES WHERE THE NATURE OF THE CONSTRUCTION REQUIRES THEIR USE. APPLICATION OF TYPICAL DETAILS SHALL BE DETERMINED FROM DESCRIPTIVE TITLES OR FROM THE SIMILARITY OF A CONSTRUCTION CONDITION TO ANOTHER CONDITION WHERE THE DETAIL IS SPECIFICALLY INDICATED OR REFERENCED.
9. DISCREPANCIES IN DIMENSIONS BETWEEN DEFERENT DRAWINGS SHALL BE REPORTED TO THE CLIENT AND DESIGNER FOR CLARIFICATION PRIOR TO BEGINNING CONSTRUCTION IN THE AREAS THAT ARE INVOLVED WITH THE DISCREPANT DIMENSIONS.
10. DESIGN OF BUILDING AND CONNECTION OF BUILDING BY OTHERS. REFER TO FIVE STAR METAL BUILDINGS STAMPED DRAWINGS.

STRUCTURAL FOUNDATION NOTES:

1. ALL STRUCTURES SHALL BE FOUNDED ON SELECT FILL OR UNDISTURBED SOIL HAVING A MINIMUM BEARING CAPACITY OF 2000 PSF. WHERE BEAR CAPACITY IS NOT MET, PROVIDE STRUCTURE FILL PER THE BELOW REQUIREMENTS.
2. PRIOR TO CONSTRUCTION, ALL VEGETATION, TOPSOIL, AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE LIMITS OF WORK. EXCAVATE TOP 6" OF TOP SOIL WITHIN GRADING LIMITS AND STOCK PILE. EXCAVATE TO THE LIMITS SHOWN. BACK FILL WITH SELECT FILL IN 6" LIFTS TO NEW GRADES. COMPACT EACH LIFT TO 95% STANDARD PROCTOR. REUSE TOPSOIL FROM STOCK PILE AND SPREAD 6" TOPSOIL. PROVIDE FERTILIZER AND SEED WITHIN GRADING LIMITS.
3. SELECT FILL MATERIAL SHALL MEET ASTM D 2487, CLASSIFICATION GW, GP, SW OR SP WITH NOT MORE THAN 3% PASSING ASTM D 1140, NO. 200 SIEVE AND MAXIMUM PARTICLE SIZE SHALL NOT EXCEED 3".
4. EXCAVATE MATERIAL AS REQUIRED TO MEET PROPER ELEVATIONS. SUBGRADE MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR IN ACCORDANCE WITH ASTM D 698.
5. ASTM #57 STONE BASE SHALL BE 6" THICK BELOW THE BOTTOM OF SPECIFIED FOOTING DEPTH. COMPACT TO 99% RELATIVE COMPACTION (RC) PRIOR TO PLACEMENT OF CONCRETE.
5. ANY UNUSUAL SOIL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CLIENT AND DESIGNER.
6. VIBRATORY EQUIPMENT SHALL NOT BE ALLOWED FOR EXCAVATION NEAR OR ADJACENT TO EXISTING FOUNDATIONS.

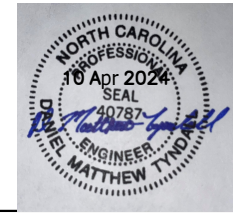
STRUCTURAL CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318, LATEST EDITION).
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSL. CONCRETE EXPOSED TO WEATHER SHALL HAVE 5% AIR ENTRAINMENT $\pm 1.5\%$. 7 DAY AND 28 DAY BREAK TESTS ARE REQUIRED TO BE SUBMITTED FOR APPROVAL.
3. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR BOLTS AND WELDED PLATES SHALL BE ACCURATELY PLACED IN POSITIONS SHOWN. AND SHALL BE ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES DURING CONCRETE PLACEMENT.
4. NO CONCRETE SHALL BE PLACED UNTIL ALL EMBEDDED WORK HAS BEEN INSPECTED BY THE CONTRACTING OFFICER.
5. REINFORCING MATERIALS SHALL BE AS FOLLOWS:
 - A) REINFORCING BARS - ASTM A 615, GRADE 60, DEFORMED.
 - B) WELDED WIRE FABRIC - ASTM A 185, WELDED STEEL WIRE FABRIC. PROVIDE IN FLAT SHEETS, ROLL TYPE NOT ACCEPTABLE. SHEETS SHALL BE LAPPED 9" AT SPLICES.
6. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS DETAILED ON THE DRAWINGS. WHERE COVER IS NOT DIMENSIONED USE THE SAME AS DIMENSIONED FOR SIMILAR ITEMS. WHERE THERE ARE NO SIMILAR ITEMS ACI 318 SHALL GOVERN.
7. ALL CONTINUOUS REINFORCING SHALL BE LAPPED 48x BAR DIAMETER AT SPLICES UNLESS OTHERWISE NOTED.
8. COMPACT THE FINISHED BOTTOM SURFACE OF FOOTINGS PRIOR TO PLACEMENT.
9. WET (NOT FLOOD) THE FORMS, REINFORCEMENT AND BOTTOM OF ALL FOOTING EXCAVATIONS IMMEDIATELY BEFORE PLACING CONCRETE IN THE FORMS



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S5.1

STEM WALL PLAN, TYP
SCALE: 1/2" = 1'-0"



DESIGNED BY: DMT
DRAWN BY: DMT
QC'D BY: DMT

HWY 87 AND BUFFALO RD	STEM WALL FOR METAL BLDG	DETAILS
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SCALE: AS SHOWN
CONSTR. CONTR. NO. N/A
DRAWING NO. 20240407
SHEET 02 OF 02

S5.1