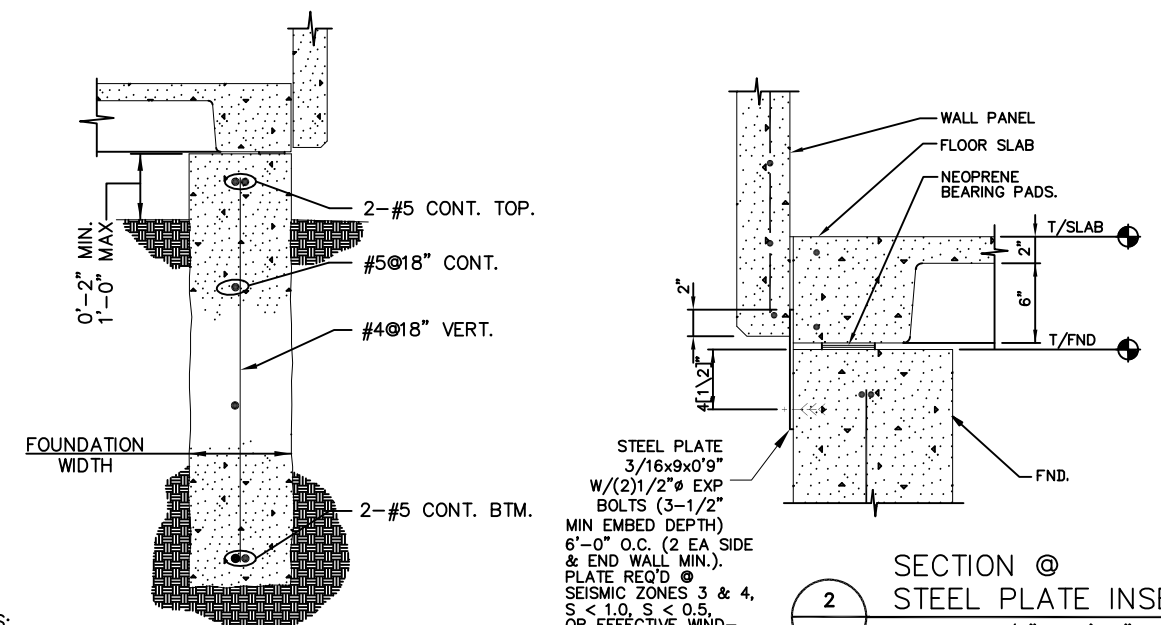


FOUNDATION GENERAL NOTES

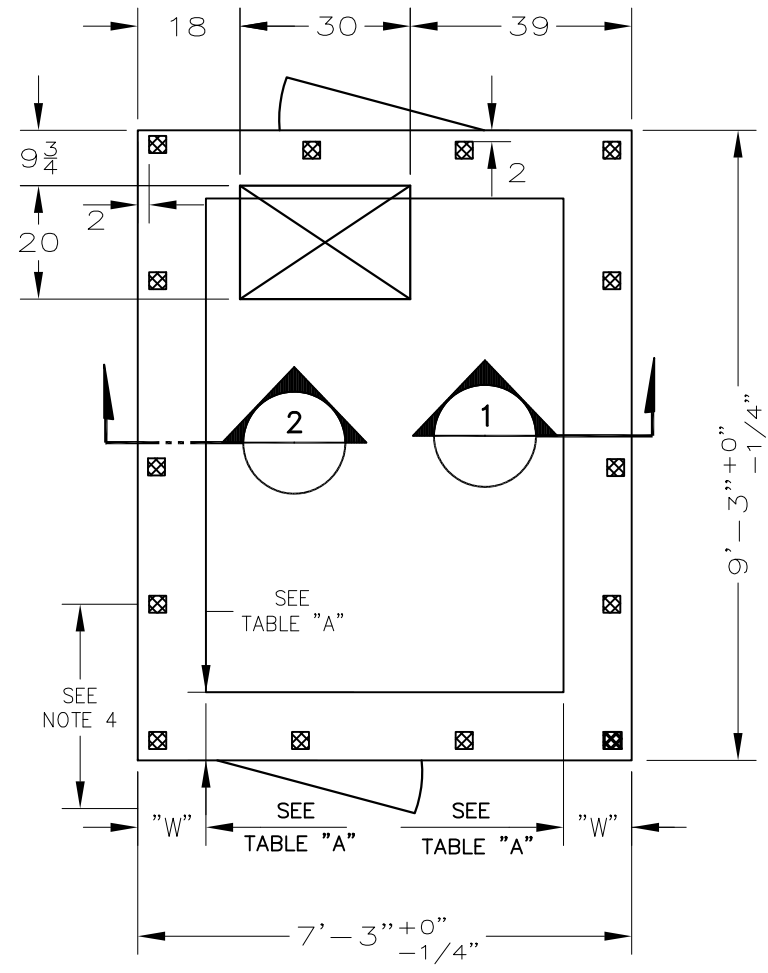
1. WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
2. CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
3. PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 CHAPTER 4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.
4. MAXIMUM SIZE OF CONCRETE AGGREGATE SHALL NOT EXCEED 1 INCH; SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED; OR ONE-THIRD CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING.
5. REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED.
6. WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
7. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
8. CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 3 INCHES NOR BE LESS THAN 2 INCHES.
9. ALL HORIZONTAL BARS IN WALLS & BEAM EDGES SHALL BE BENT AT CORNERS IN SUCH A WAY THAT CONTINUITY IS PROVIDED THROUGH THE JOINT. SEPARATE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL REINFORCING MAY BE SUBSTITUTED FOR THE BENT PORTION OF THE CONTINUOUS BARS.
10. FOUNDATION DESIGN ASSUMES STRUCTURAL BACKFILL TO BE COMPACTED IN 8 INCH MAXIMUM LAYERS TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 100 POUNDS PER CUBIC FOOT.
11. FOUNDATION INSTALLATIONS SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
12. FOUNDATION DESIGN ASSUMES FIELD INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE.
13. LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT.
14. CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF FOUNDATION.
15. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL. WHEN FORMS ARE NECESSARY, THEY SHALL BE REMOVED PRIOR TO PLACING STRUCTURAL BACKFILL.
16. FOUNDATION DESIGN ASSUMES CONTINUOUS CONCRETE PLACEMENT WITHOUT CONSTRUCTION JOINTS.



- NOTES:**
1. BOTTOM OF FOUNDATION MUST BE BELOW FROST LINE AND BEAR ON UNDISTURBED SOIL.
 2. FORM SURFACE EXPOSED TO VIEW ONLY.

1 SECTION
SCALE: NA

- NOTES:**
1. PERIMETER BEAM DEPTH SHALL BE BELOW FROST LEVEL (1'-6" MIN. DEPTH BELOW GRADE).
 2. TOP OF FOUNDATION WALL ELEVATION TOLERANCE 1/4" IN 10'-0" & 1/2" MAX OVERALL
 3. PROVIDE 12 MIL VAPOR BARRIER WITH TAPED & 6" LAPPED JOINTS BETWEEN SUBGRADE & SHELTER SLAB ON GRADE.
 4. SHIM W/ 3x3 NEOPRENE BEARING PADS TO ATTAIN SAME ELEVATION WITHIN 1/16" (±) LOCATE @ 3'-0" O.C. (MAX.) FOR MAX. FLOOR LIVE LOAD ≤ 200 PSF. LOCATE @ 2'-6" O.C. (MAX.) FOR MAX. FLOOR LIVE LOAD ≤ 300 PSF.



PERIMETER BEAM

TABLE A	
MAXIMUM FLOOR LIVE LOAD	MINIMUM FOUNDATION WIDTH "W"
≤ 140 PSF	12"
≤ 200 PSF	14"
≤ 300 PSF	16"

- NOTES:**
1. FOUNDATION WIDTH IS BASED ON 2500 PSF ALLOWABLE BEARING PRESSURE.

REV NO.	DESCRIPTION	DATE	DWN BY
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MODULAR CONNECTIONS, LLC 1090 Industrial Blvd Bessemer, AL 35022 Phone: 205-980-4565 Fax: 877-675-5851		DRAWN BY CLP	DATE 5-6-09
TITLE FOUNDATION PLAN AND DETAILS BUILDING SIZE 8' X 10'		SCALE NA	PROJ MGR CLP
NOTICE: These drawings and specifications are the property of Modular Connections, LLC. All information contained herein which is not known generally in the field of Modular Connections, LLC shall be confidential except to any extent to which it is established to have been known previously from sources other than Modular Connections, LLC. These drawings and specifications may not be reproduced, copied or used as the basis for the manufacture or sale of apparatus without written permission.		DRAWING NO. DWG14132FND R0	