

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR REGULATION & CLARIFICATION. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:
PLAN VIEWS: 1/4" = 1'-0"
SECTIONS & DETAILS: N.T.S.

NOTE: CONTRACTOR SHALL PROVIDE A MINIMUM OF "CRAWL SPACE" VENTILATION AS ILLUSTRATED ON THE PLAN VIEW ELSEWHERE THIS SHEET ALONG THE PERIMETER OF CMU WALL, FITTED W/ INSECT & VERMIN PROOF SCREENING.
THE CONTRACTOR SHALL PROVIDE A MINIMUM ACCESS OF 18" W. X 24" H. LOCATED @ THE DIRECTION OF OWNER IN THE 8"X8"X16" (NOM.) CMU PERIMETER WALL.

9763 OF 417
LIVE 04K, FLORIDA 32060
386-362-4787
ENG. LIC. EB 3761

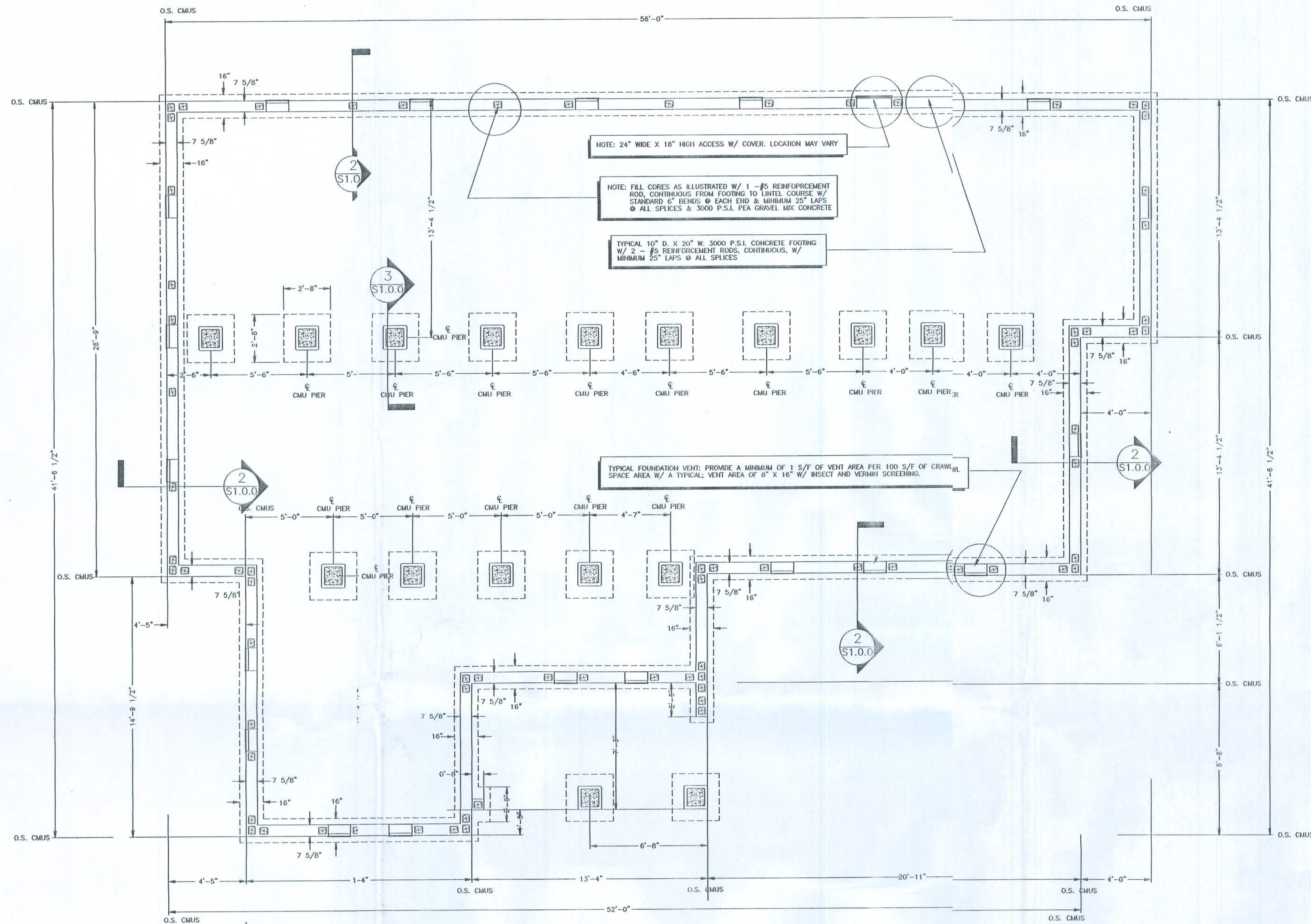
KEEN ENGINEERING
& SURVEYING, INC.

EARL GREEN FOUNDATION
COLUMBIA COUNTY, FLORIDA

NOTE: WIND RELATED STRUCTURAL ELEMENTS ONLY - NO OTHER REGULATORY CODES OR STATUTES ARE ADDRESSED BY THE ENGINEER OF RECORD. CONTRACTOR SHALL CONFIRM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

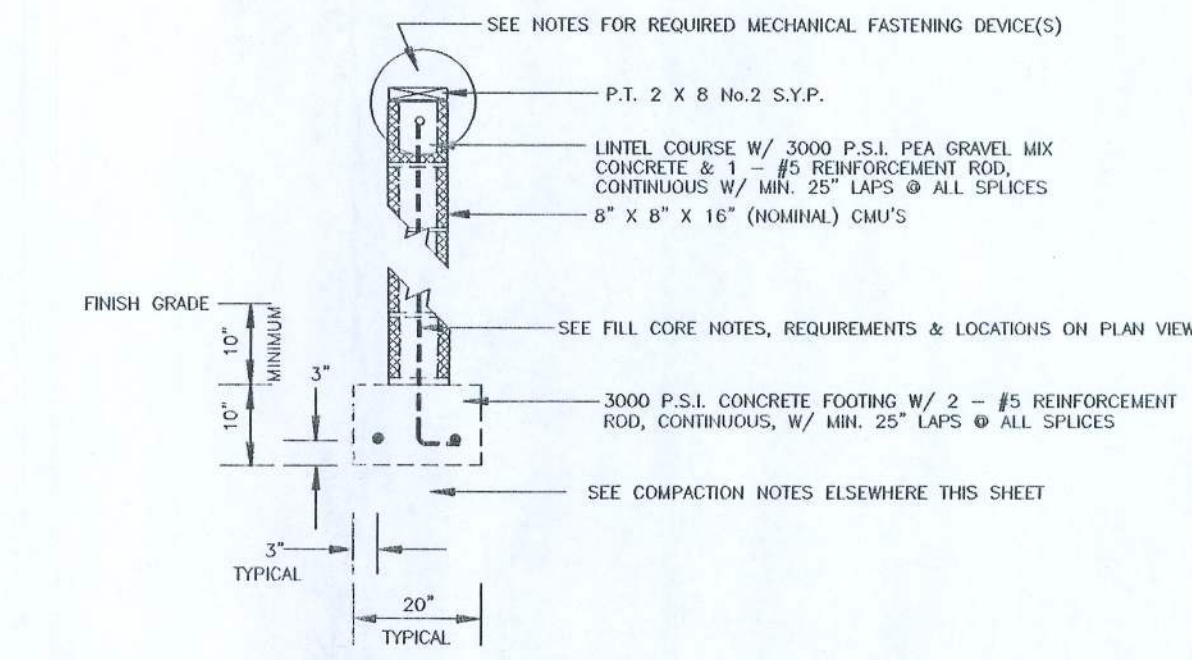
UNDESIGNED FOUNDATION PLAN VIEW
REFERENCES & DETAILS
MSC. NOTES.

DATE
03/05/08
SHEET NO.
S1.0.0

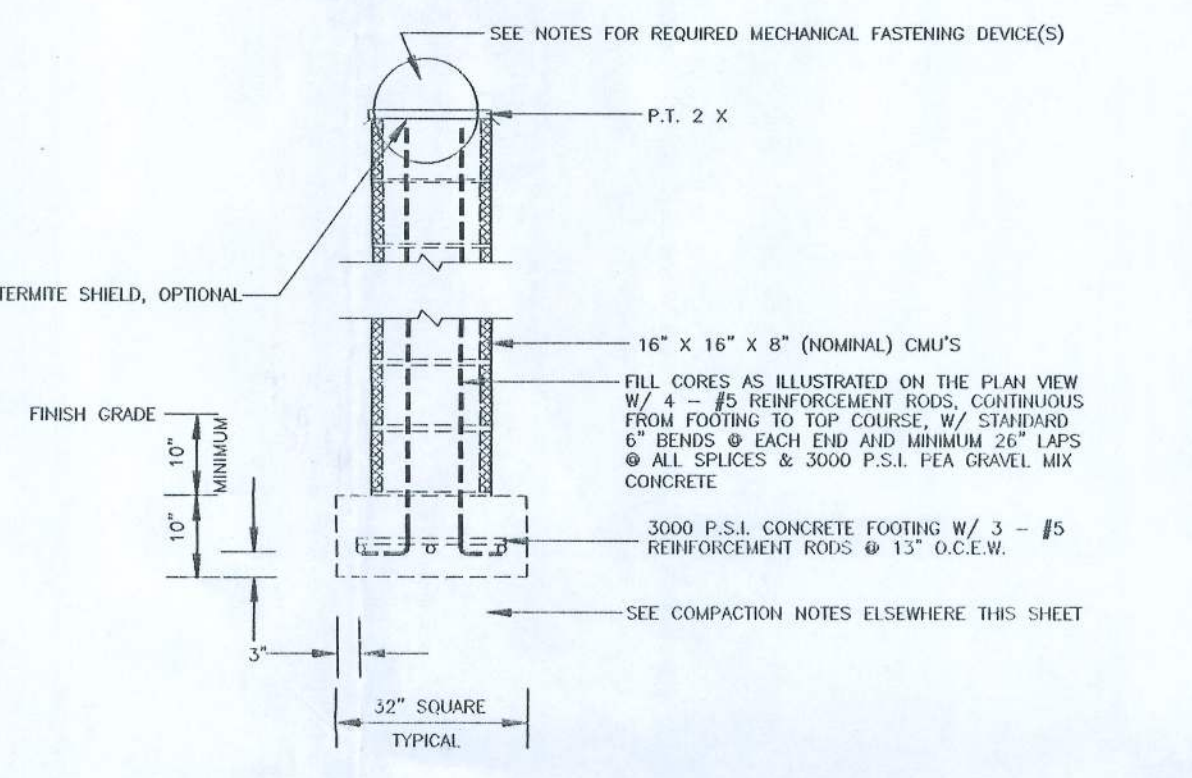


1 DIMENSIONED FOUNDATION PLAN VIEW
SCALE: 1/4" = 1'-0"

FOUNDATION NOTES, REQUIREMENTS & INSTRUCTIONS	
MASONRY UNITS	ALL MASONRY UNITS DESCRIBED AS 8" X 8" X 16" CMU'S SHALL BE HOLLOW CONCRETE UNITS IN ACCORDANCE W/ ASTM C 90 OR C 145 AND SHALL HAVE A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 P.S.I. MASONRY FOUNDATION STEM WALLS SHALL BE RUNNING BOND CONSTRUCTION.
MORTAR	ALL MORTAR SHALL BE EITHER TYPE M OR S IN ACCORDANCE W/ ASTM C 270. ALL GROUT SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. @ 28 DAYS WHEN TESTED IN ACCORDANCE W/ ASTM C 476 PLACED AT AN 8 TO 11 INCH SLUMP AND HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. @ 28 DAYS. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 P.S.I. @ 28 DAYS. ALL MORTAR JOINTS FOR HOLLOW UNIT MASONRY SHALL EXTEND THE FULL WIDTH OF THE JOINT. ALL RED JOINTS SHALL BE 3/8 INCH THICK. HEAD JOINTS SHALL BE THE FULL WIDTH OF THE JOINT. THE RED JOINT OF THE STARTING COURSE PLACED OVER FOOTINGS SHALL BE PERMITTED TO VARY IN THICKNESS FROM A MINIMUM OF 1/4" TO A MAXIMUM OF 3/4".
REINFORCING STEEL	REINFORCING STEEL SHALL BE #5 UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL BE A MINIMUM OF GRADE 40 AND IDENTIFIED IN ACCORDANCE W/ ASTM A 615, A 616, A 617, OR A 706. SPICES SHALL BE LAP SPICES W/ A MINIMUM LAP OF 25" FOR #5 REINFORCEMENT BARS. FOR MINIMUM COVER OVER FOUNDATION REINFORCEMENT - SEE DETAILS & SECTIONS THIS SHEET. ALL REINFORCEMENT IN CMU'S IS TO EXTEND A MINIMUM OF 6" INTO ALL FOOTINGS W/ A STANDARD BEND OF 6".
METAL ACCESSORIES	ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A 307, ASTM A 36, & ASTM A 366 AS REQUIRED. CONTINUOUS WELDS OF JOINT REINFORCEMENT SHALL BE FULLY ENCASED IN MORTAR OR GROUT WITH A MINIMUM COVER OF 5/8 INCH WHEN EXPOSED TO EARTH OR WEATHER. AND A MINIMUM OF 1/2 INCH WHEN NOT EXPOSED TO EARTH OR WEATHER. METAL ACCESSORIES USED IN EXTERIOR WALL CONSTRUCTION (NOT IN DIRECTLY EXPOSED TO WEATHER) SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM A 153, CLASS B-2. METAL ACCESSORIES FOR USE IN INTERIOR WALL CONSTRUCTION SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM A 641, CLASS 1.
FILL COMPACTION	PRIOR TO GRADING OPERATIONS ALL SOIL, ORGANIC LITTER AND FILL SHALL BE STRIPPED FROM THE BUILDING AREA. COMPACTION SHALL NOT BE LESS THAN 90% OF THE STANDARD PROCTOR DENSITY. ALL FILL MATERIAL SHALL BE HOMOGENEOUS W/ NOT MORE THAN 30% B. A. LIQUID LIMIT, LL - 30 MAXIMUM B. PLASTICITY INDEX, PI - 15 MAXIMUM C. DRY UNIT WEIGHT - 100 LBS. PER CU. FT. ALL FILL MATERIAL SHALL BE UNIFORMLY PLACED AT OPTIMUM MOISTURE CONTENT IN 6 INCH UNIFORM LAYERS AND COMPACTED TO A DENSITY OF 90% OF THE STANDARD PROCTOR AND IN ACCORDANCE W/ ASTM D 698. FOOTING EXCAVATIONS SHALL BE INSPECTED BEFORE PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS SHALL REST ON SOUND EARTH. SUB GRADE MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED. ANY WALL WHICH IS TO RECEIVE BACK FILL ON BOTH SIDES SHALL HAVE THE BACK FILL PLACED SIMULTANEOUSLY ON BOTH SIDES IN EVEN LAYERS AS PREVIOUSLY DESCRIBED SO AS NOT TO APPLY UNEVEN LOADS.
GENERAL	FOOTINGS SHALL BE LEVEL OR STEPPED AS INDICATED ON THE PLAN VIEWS & DETAILS ELSEWHERE THIS SHEET. SOIL, WASTE PIPES OR BUILDING DRAINS PASSING UNDER A FOOTING OR THROUGH A FOUNDATION STEM WALL SHALL BE PROVIDED W/ A RELIEVING ARCH OR AN IRON PIPE SLEEVE. STEM WALLS SHALL EXTEND NO GREATER THAN 3 FEET ABOVE THE FINISH GRADE AND CONSTRUCTED WITH THE PREVIOUSLY DESCRIBED MASONRY UNITS. ALL SOIL & LOCAL CURES SHALL BE COMPLIED WITH BY THE CONTRACTOR. 1,400 P.S.F. SOIL BEARING PRESSURE SHALL BE OBTAINED UNDER ALL FOOTINGS & SLABS.



2 SECTION THRU TYPICAL EXTERIOR STEM WALL
SCALE: N.T.S.



3 SECTION THRU TYPICAL INTERIOR CMU PIERS
SCALE: N.T.S.

SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS	
FOUNDATION PIERS & STEM WALLS	PERIMETER
LOCATION OF EXTERIOR CMU STEM WALL - SEE PLAN VIEWS	1 - MODEL No. HETA20 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED ALONG THE PERIMETER OF FOUNDATION & SHALL BE INSTALLED @ ALL CORNERS, 16" FROM ALL CORNERS & NO GREATER THAN 48" O.C. ATTACH TO BAND BEAM SIDE AND MULTIPLE STUDS (AT THIS LOCATION) WITH 16 - 10d X 1 1/2" NAILS
LOCATION OF PORCH COLUMNS ALONG PERIMETER STEM WALL - SEE PLAN VIEWS	1 - MODEL No. HETA20 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED @ EACH EXTERIOR COLUMN BEARING POINTS AS PROVIDED BY MANUFACTURER. ATTACH TO BAND BEAM SIDE AND COLUMN BASES (BOT. OF COLUMNS) WITH 16 - 10d X 1 1/2" NAILS
LOCATION OF INTERIOR CMU PIERS - SEE PLAN VIEWS	1 - MODEL No. HETA20 BY SIMPSON STRONG-TIE OR EQUAL SHALL BE INSTALLED @ EACH INTERIOR CMU PIER ATTACH TO BAND BEAM SIDE AND MULTIPLE STUDS (ALONG THE LENGTH OF STEM WALL) WITH 16 - 10d X 1 1/2" NAILS
NOTES	SEE ALSO FOUNDATION NOTES & REQUIREMENTS ELSEWHERE THIS SHEET

NOTE: SEE PLANS BY HERGEN HOMES OF EATON, GEORGIA
MODEL No. MC376FG "THE BURTON" 41' X 56'
THE PRESCRIPTIVE REQUIREMENTS DETAILED BY THE ENGINEER ARE SPECIFIC TO THE CONDITIONS FOR THIS SITE AND DWELLING. USE OF STRUCTURAL ELEMENTS, MECHANICAL FASTENING DEVICES AND OTHER MEANS AND/OR REQUIRED TECHNIQUES NOTED AND DETAILED IN THESE PLANS FOR ALTERNATE BUILDING SITES OR CONDITIONS WILL NOT PROVIDE COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE.
ADDITIONAL STRUCTURAL REQUIREMENTS AND OTHER REGULATORY, CODE OR STATUTE COMPLIANCE IS NOT ADDRESSED BY THE ENGINEER AND IS THE RESPONSIBILITY OF OTHERS.

CERTIFICATION:
THESE FOUNDATION PLANS FOR MODEL No. MC376FG "THE BURTON" COMPLY WITH SECTION 1600 OF THE FLORIDA BUILDING CODE, 2004 EDITION FOR A 110 MPH WIND LOAD, 3 SECOND GUST, EXPOSURE B.

Curtis E. Keen 03/05/08
CURTIS E. KEEN, PE #23856