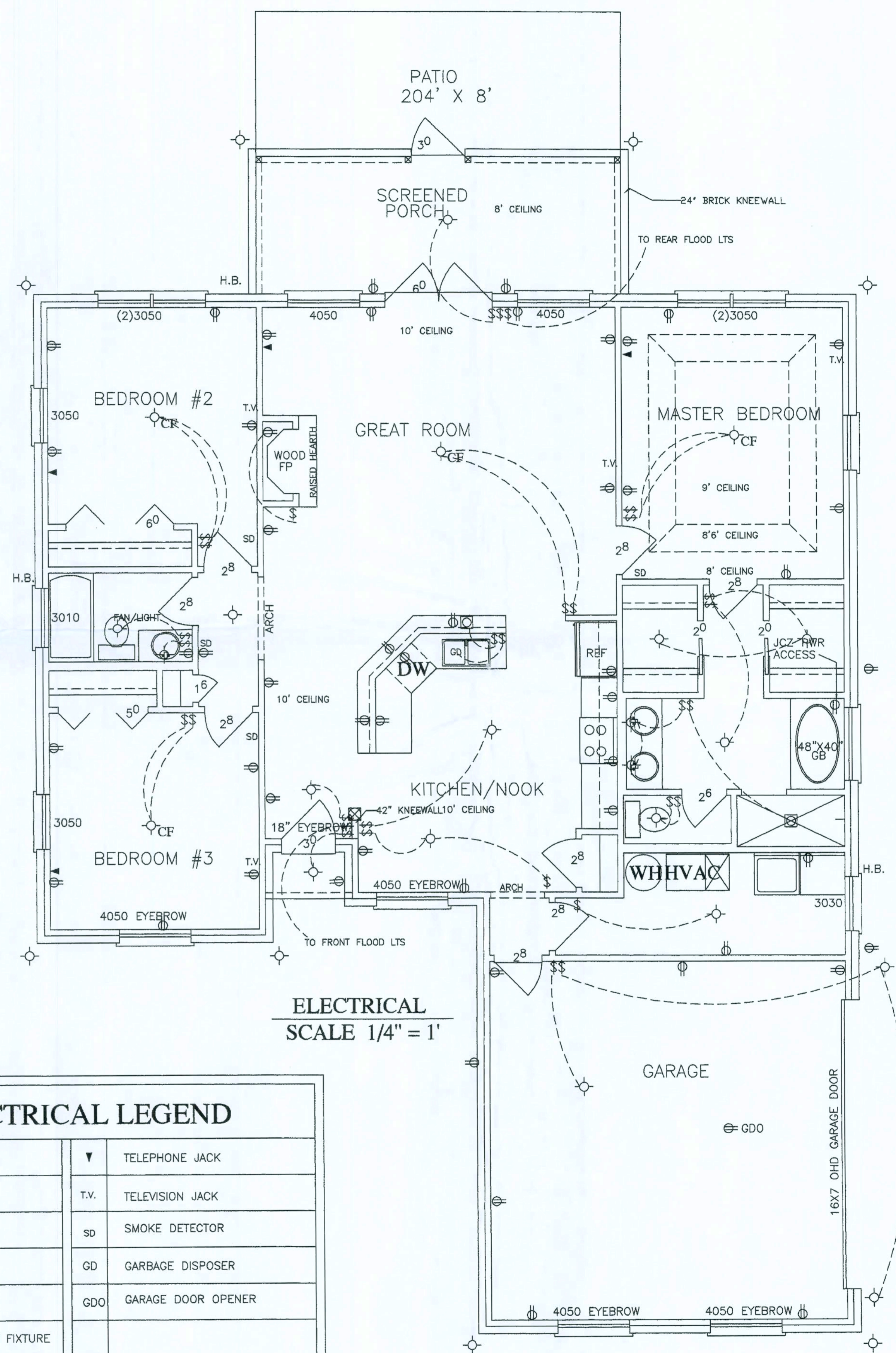
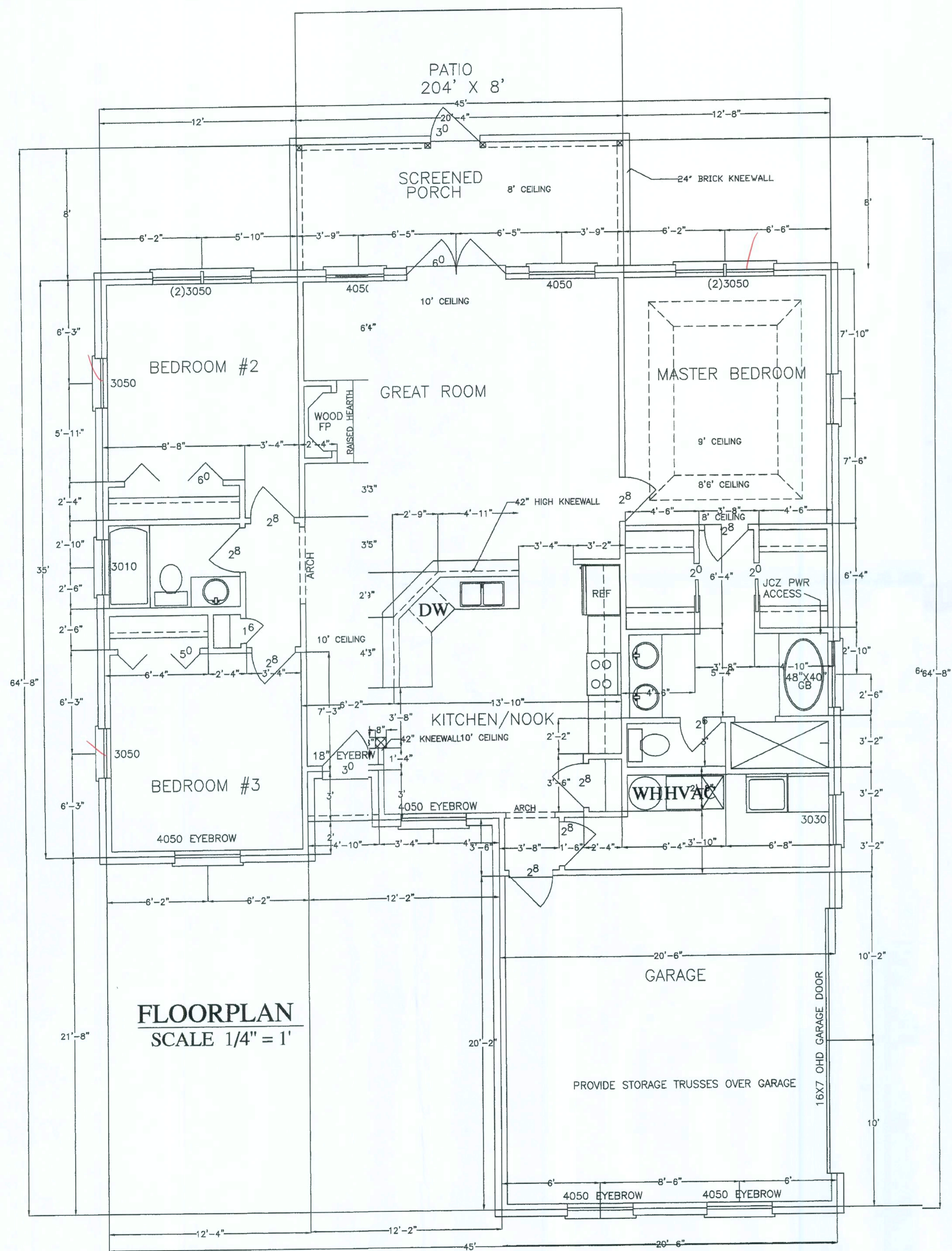


WALL SECTION
SCALE NTS

ROCK CONTRACTORS CUSTOM BUILDERS 904-259-8989	PROPOSED RESIDENCE FOR: LAKE CITY SPEC	SQUARE FOOTAGE: LIVING AREA: 1629 SQ FT GARAGE AREA: 434 SQ FT PORCH AREA: 170 SQ FT TOTAL AREA: 2233 SQ FT	GENERAL NOTES: 1. DESIGN FOR 110 MPH WINDZONE 2. TYPE VI FRAME CONSTRUCTION	DATE: 7/2/07	REVISIONS APPROVED BY: OWNER: CONTRACTOR:
				LONGOBUCCO DESIGNS INC. RESIDENTIAL DESIGNERS 344-880-5886	
				DRAWN BY: T. LONGOBUCCO FILE NO.: 07465-R	

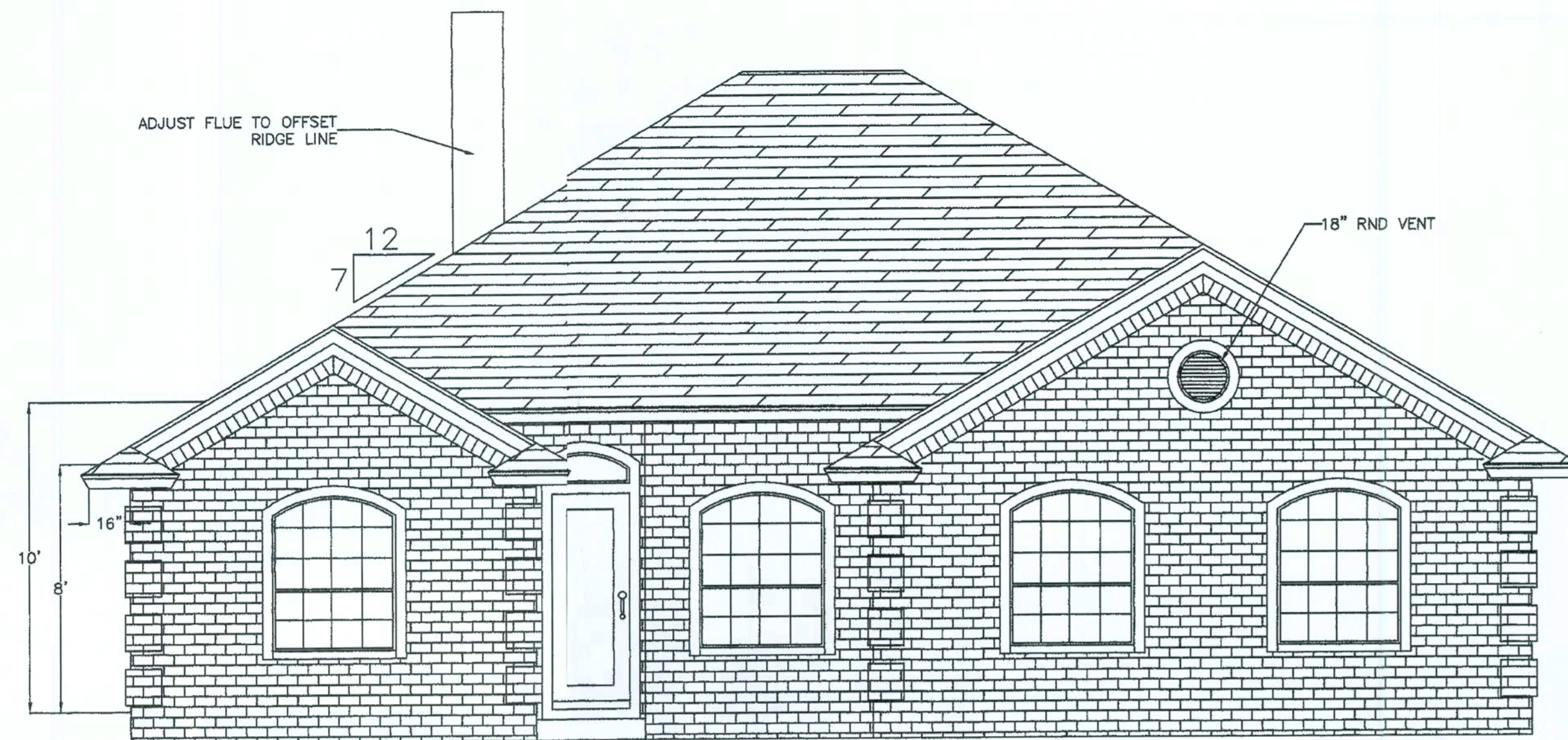


ELECTRICAL LEGEND

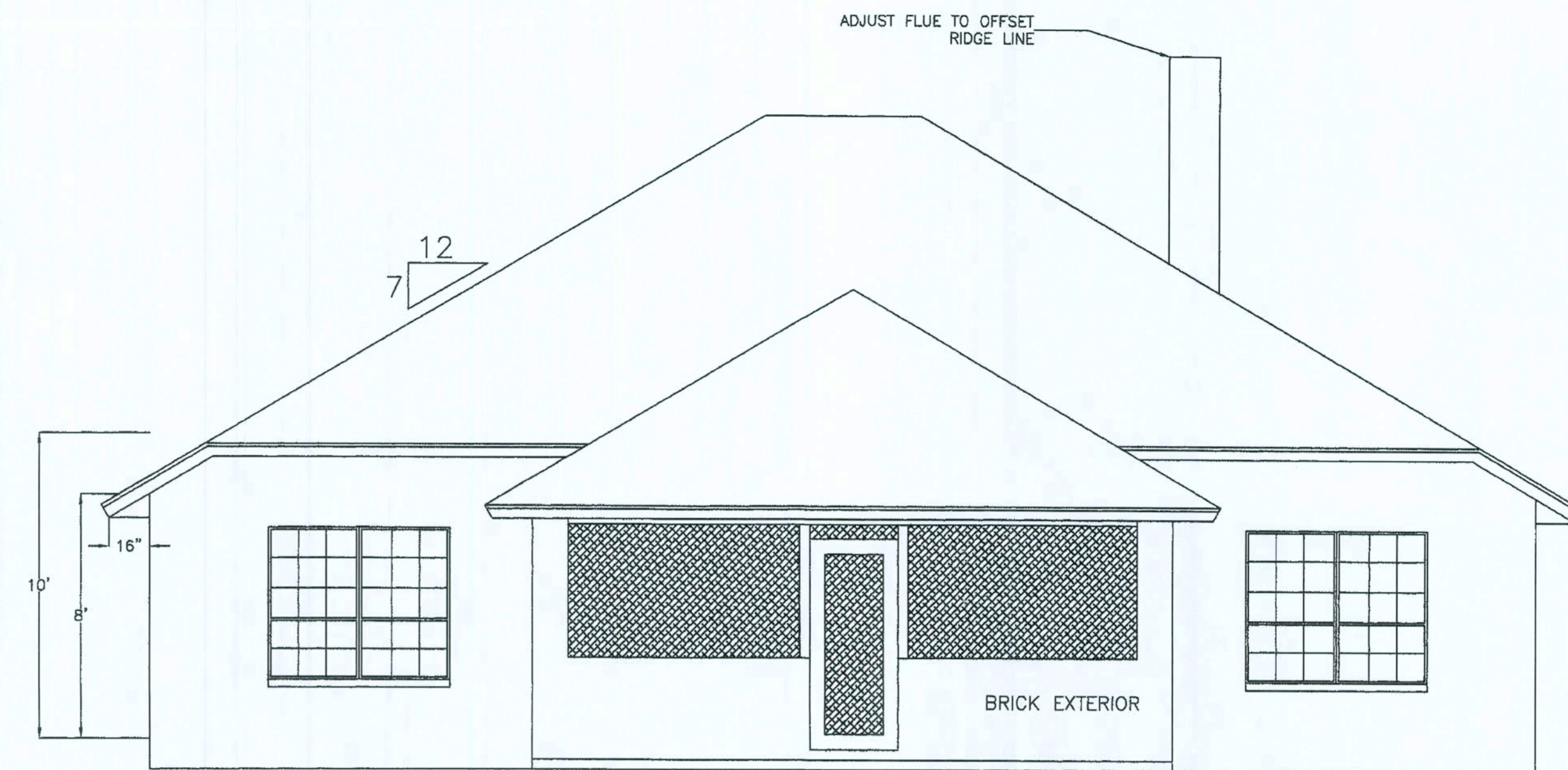
⊕	OUTLET	▼	TELEPHONE JACK
\$	SWITCH	T.V.	TELEVISION JACK
WS	WALL SCONCE	SD	SMOKE DETECTOR
⊙	LIGHT FIXTURE	GD	GARBAGE DISPOSER
CF	CEILING FAN	GDO	GARAGE DOOR OPENER
⊠	RECESSED LIGHT FIXTURE		

NOTE: EXACT LOCATION OF SWITCHES MAY BE ALTERED DUE TO FRAMING CONSTRAINTS.

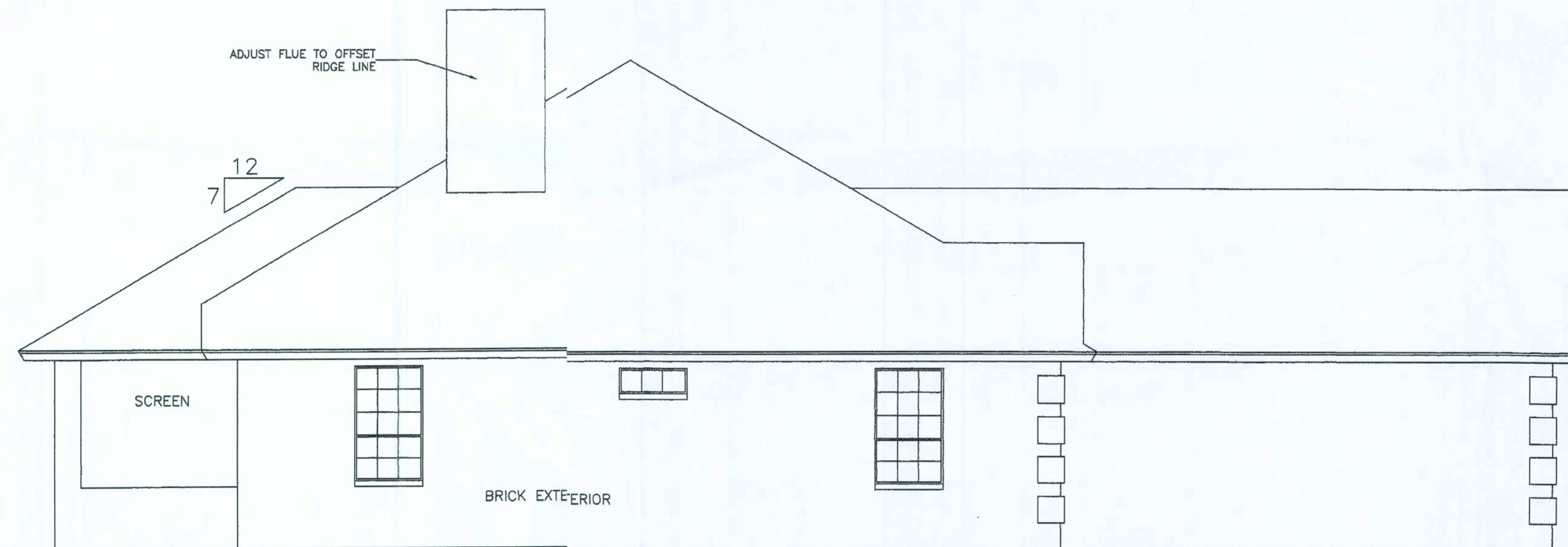
ROCK CONTRACTORS CUSTOM BUILDERS 904-259-8989	PROPOSED RESIDENCE FOR: LAKE CITY SPEC	SQUARE FOOTAGE:		GENERAL NOTES: 1. DESIGN FOR 110 MPH WINDZONE 2. TYPE VI FRAME CONSTRUCTION	DATE: 7/23/07 LONGORBUCCO DESIGNS INC. RESIDENTIAL DESIGNERS 904-886-9888 DRAWN BY: T. LONGORBUCCO FILE NO.: 07-065-R	REVISIONS APPROVED BY: OWNER: CONTRACTOR:
		LIVING AREA:	1629 SQ FT			
		GARAGE AREA:	434 SQ FT			
		PORCH AREA:	170 SQ FT			
		TOTAL AREA:	2233 SQ FT			



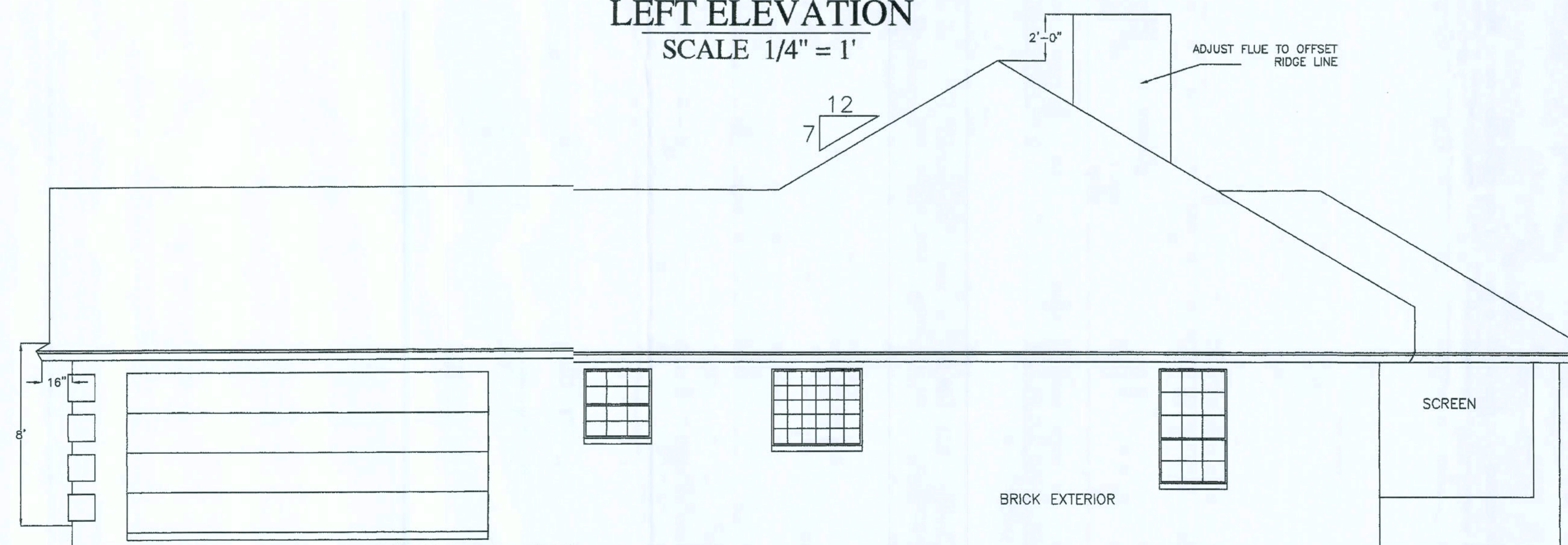
FRONT ELEVATION
SCALE 1/4" = 1'



REAR ELEVATION
SCALE 1/4" = 1'



LEFT ELEVATION
SCALE 1/4" = 1'



RIGHT ELEVATION
SCALE 1/4" = 1'

ROCK CONTRACTORS CUSTOM BUILDERS 904-259-8989	PROPOSED RESIDENCE FOR:	SQUARE FOOTAGE:	GENERAL NOTES:	DATE: 7/23/07	REVISIONS APPROVED BY:
	LAKE CITY SPEC	LIVING AREA:	1629 SQ FT	1. DESIGN FOR 110 MPH WINDZONE 2. TYPE VI FRAME CONSTRUCTION	LONGORBUCCO DESIGNS INC. RESIDENTIAL DESIGNERS 904-886-9888 DRAWN BY : T. LONGORBUCCO FILE NO. : 07-0652-R
		GARAGE AREA:	434 SQ FT		
		PORCH AREA:	170 SQ FT		
		TOTAL AREA:	2233 SQ FT		

STRUCTURAL GENERAL NOTES -

CODES:
2004 FBC-R w/ 06 SUPPLEMENT
ASCE 1-02
2001 NDS
ACI 318-04

- GENERAL:**
- Design is valid twelve months after date of original issue, unless updated to current codes and practices applicable at the time.
 - Do not scale. Use dimensions from the architectural plan. Notify engineer immediately if discrepancies are found between plans.
 - All details shall be in accordance with instructions from manufacturer or designer.
 - It is the intent of the Engineer of Record that this work be in conformance with all requirements of the authorities having jurisdiction over this type of construction and occupancy. All contractors are responsible for the means and methods of constructing and shall do their work in conformance with all applicable codes and regulations.
 - The contractor shall verify all conditions and dimensions at the job site prior to commencing work.
 - These documents, as instruments of service, are the property of the Engineer of Record and may not be used or reproduced without expressed written consent of the Engineer of Record.
 - All details and sections shown on the drawings are intended to be typical and shall be construed to apply to any similar situation elsewhere in the work except where a different detail is shown.
 - It is the contractor's sole responsibility to determine erection procedure and sequence to insure the safety of the building and its component parts during erection.
 - Temporary Bracing
- Contractors shall be responsible for all temporary bracing that is required during construction to keep the structure safe and plumb until the entire structure is in place. Bracing shown on structural drawings is for the completed structure only.
- K. The design(s) depicted within these documents have been prepared in accordance with the applicable laws, codes, standards, rules, etc., as interpreted and enforced by local authorities having jurisdiction and, further, the Engineer of Record is not aware of any errors or omissions contained within the design(s), nor of any inconsistencies between the design(s) and the applicable laws, codes, etc., at the time of design.

- FOUNDATION:**
- This design has been completed in accordance with pertinent standards, recommended design soil parameters, and accepted engineering design procedures, and is based on the best information available at the time of completion. The design is intended to minimize differential movement resulting from the heaving of expansive soil or settling of subsurface soils. It must be recognized that foundation components will undergo movement. Any subsequent owners shall be apprised of the soil condition and advised to maintain good practices in the future with regard to surface and subsurface drainage, framing of partitions above floor slabs, and the floor slabs, etc.
 - Design has been based on a non-expansive soil with an allowable soil bearing capacity of 2000 psf. Active EPF = 30 pcf (rel back slope).
 - Backfill adjacent to foundation walls shall not be placed until the walls have sufficient strength and have been anchored to the floor system above or adequately braced to prevent damage to the wall.
 - Refer to the Geotechnical Engineer's report for all soil and/or site prep requirements necessary to achieve min. 2000psf soil bearing capacity. In the absence of a geotechnical engineers report, the site/slopes shall be prepared to the satisfaction of the building official.
 - All foundation pads shall be formed to proper dimensions as indicated on the drawings and centered on column or wall U.N.O.
 - The location of foundation logs, steps and top of wall elevations and connections are critical to foundation performance. These items are shown on the plans but may change during the actual construction. As a result, this design can not address proper foundation configuration unless stated specifically in the drawings.
 - Extreme care must be used throughout construction to prevent movement of retaining/foundation wall until structural completion. It is the responsibility of the contractor to adequately shore the walls throughout construction to maintain the integrity of the design. If unsure what course of action to take in order to provide adequate temporary bracing/shoring, contact the engineer for additional consultation prior to proceeding.

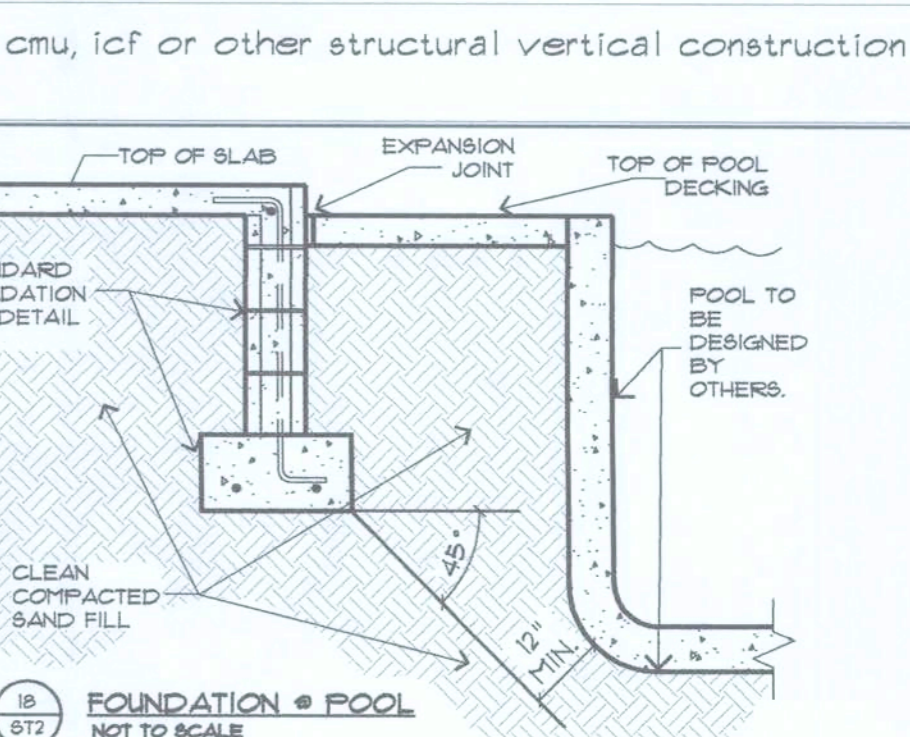
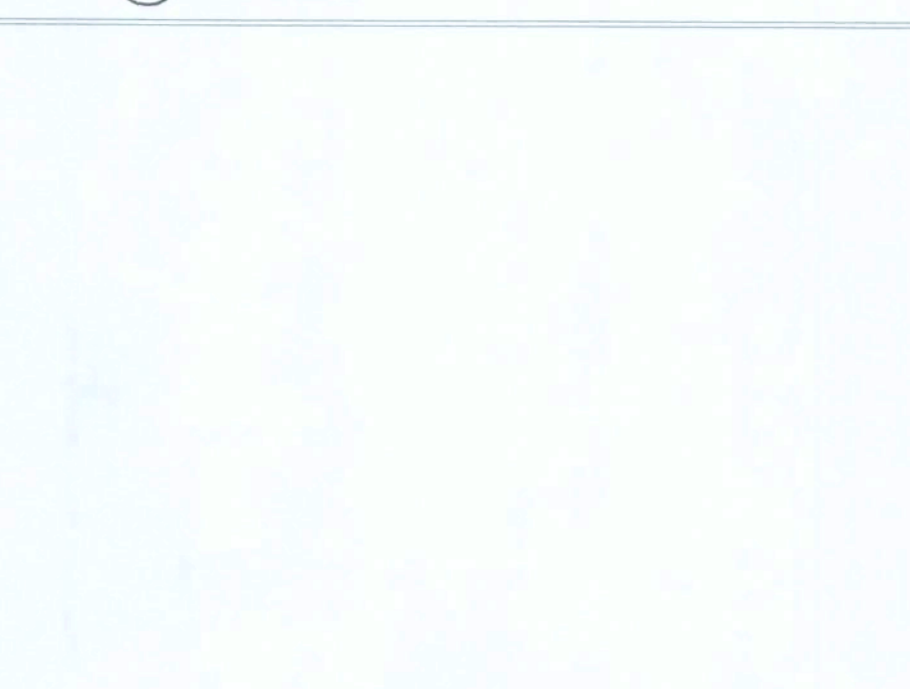
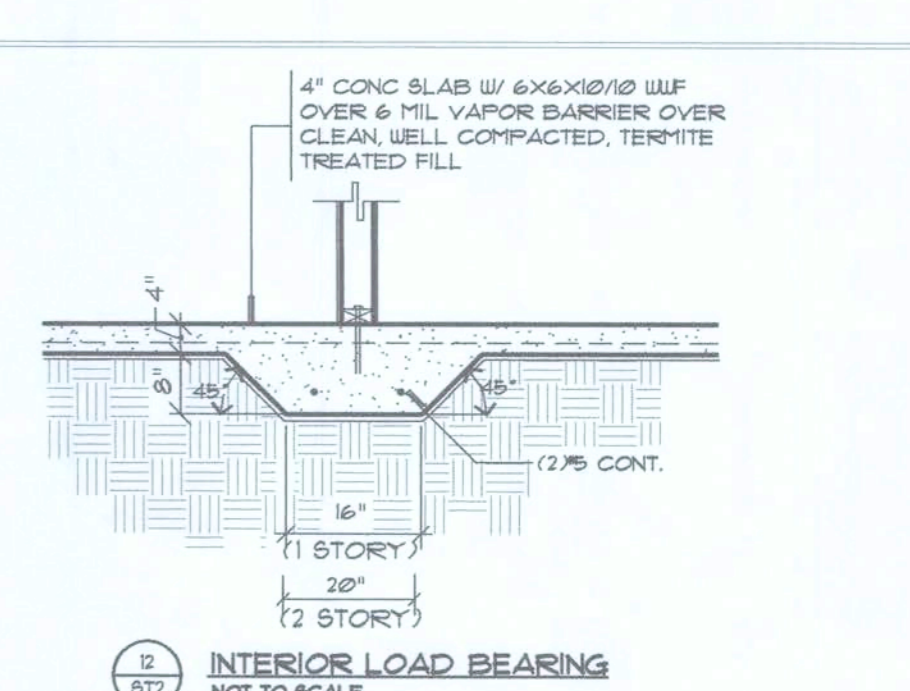
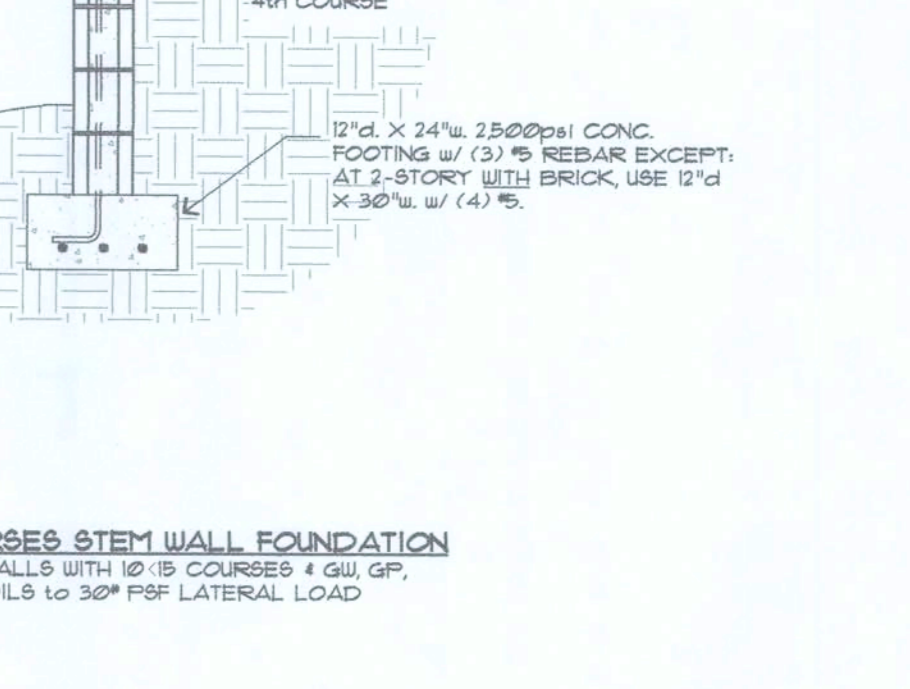
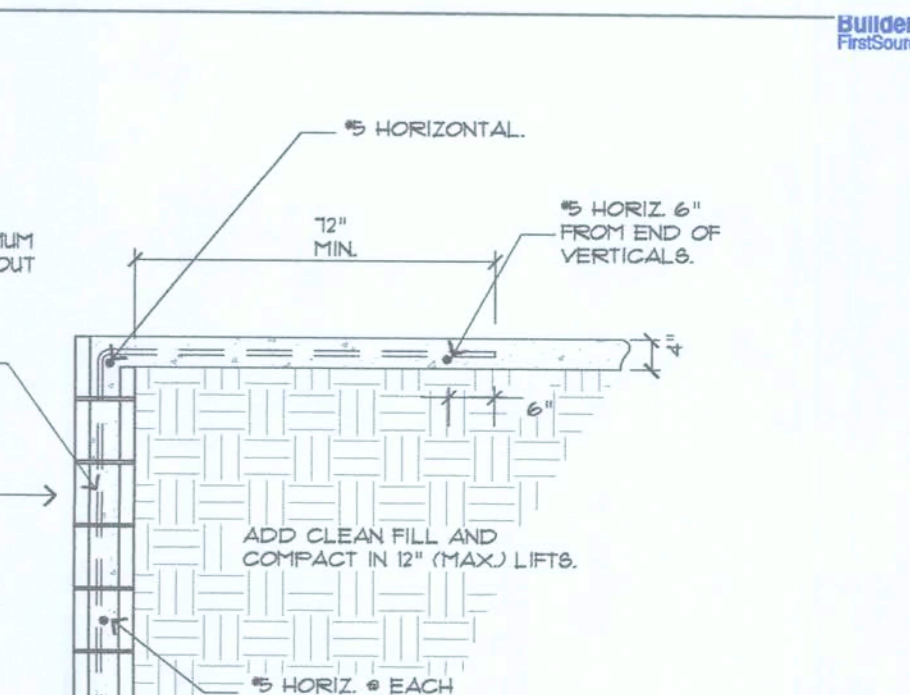
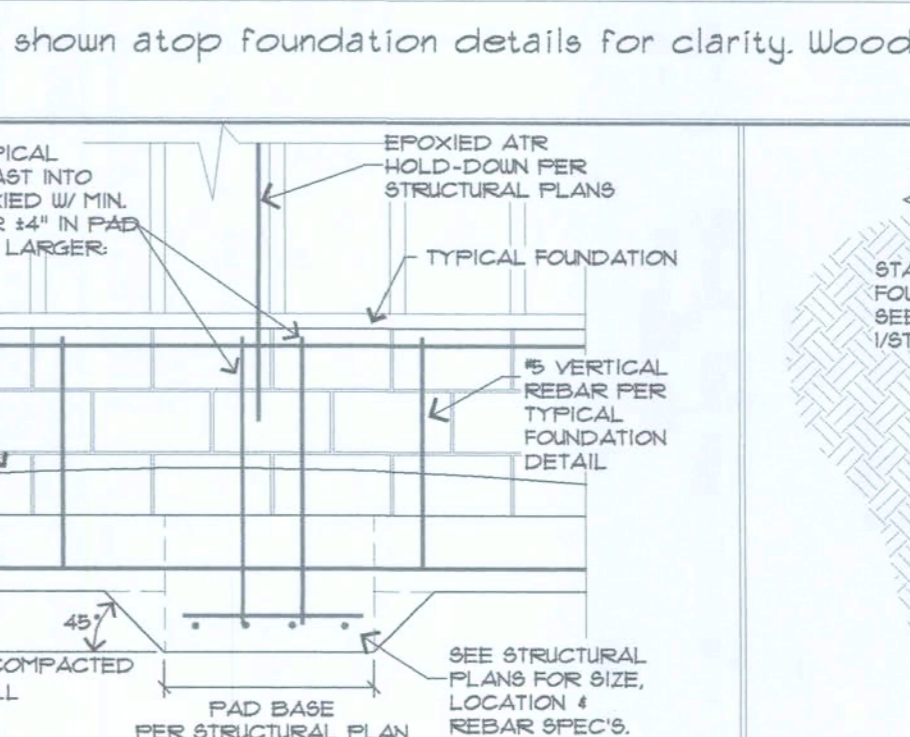
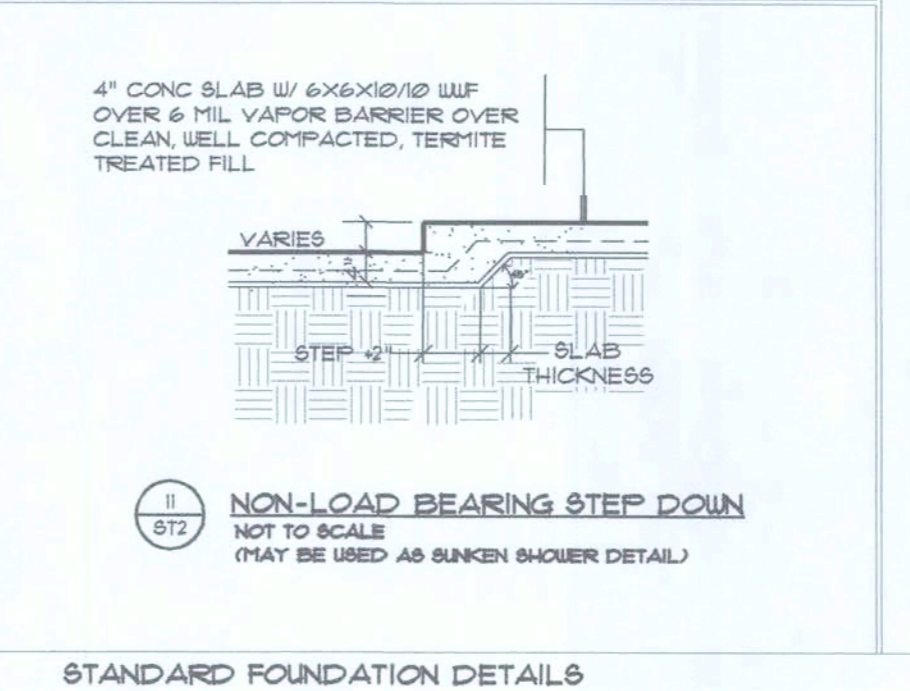
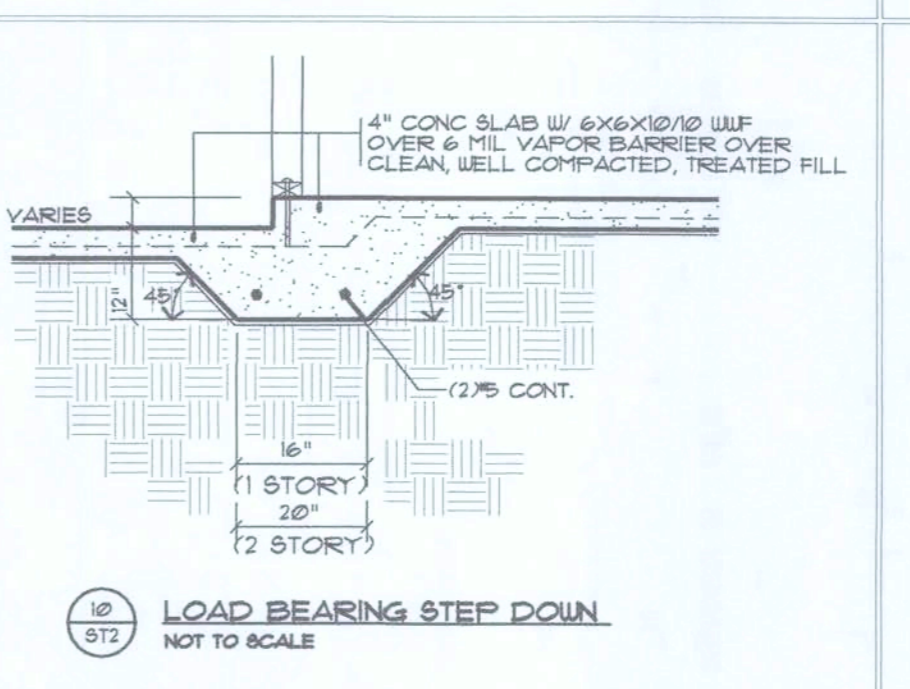
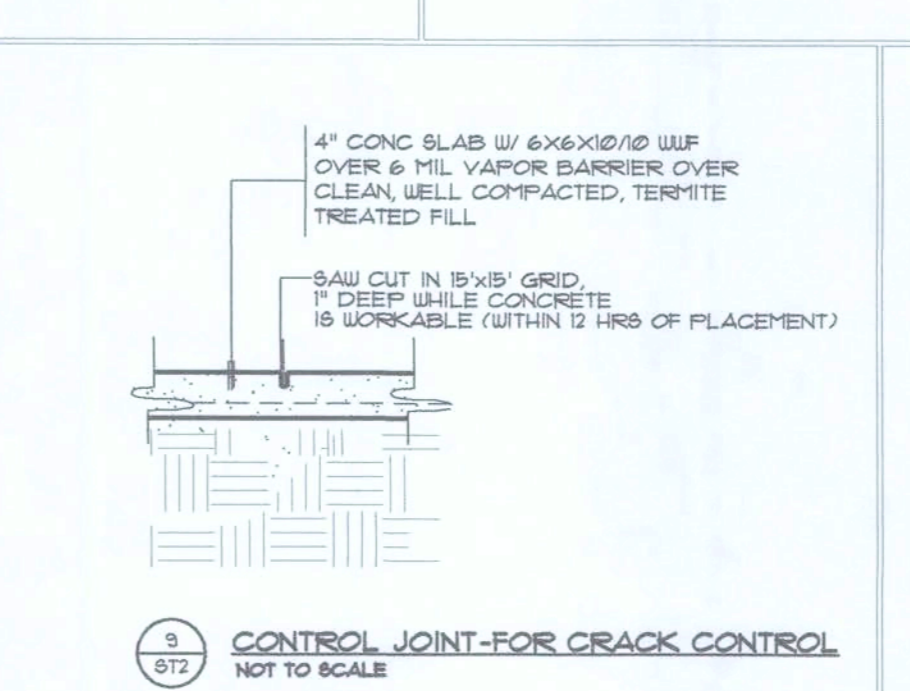
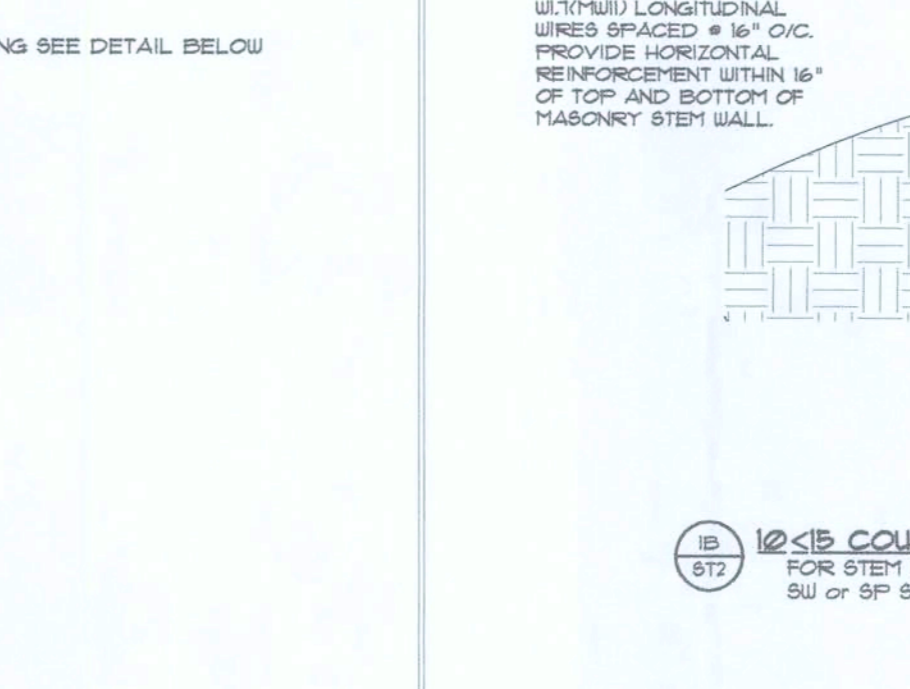
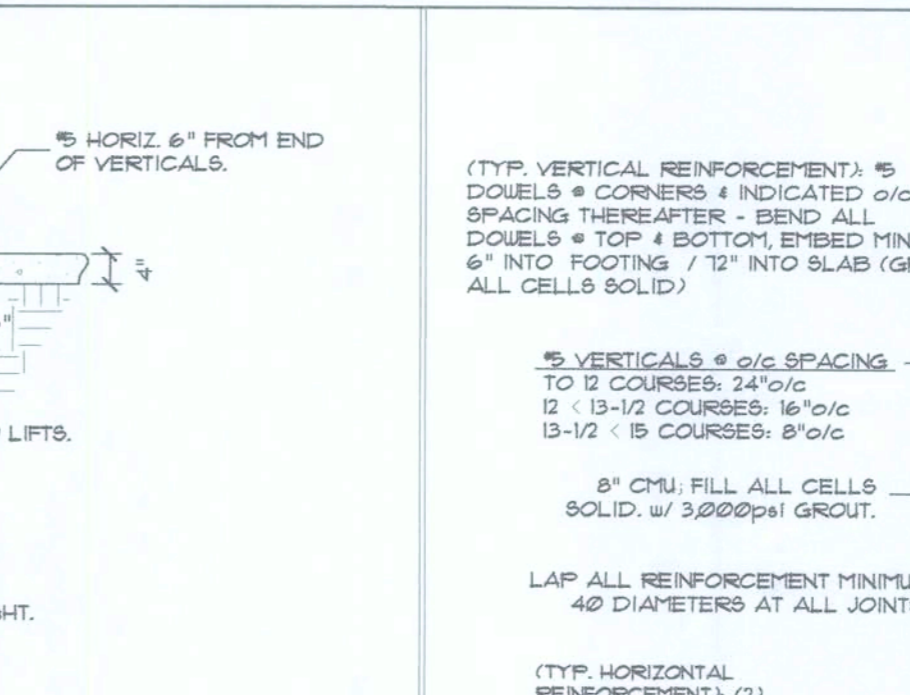
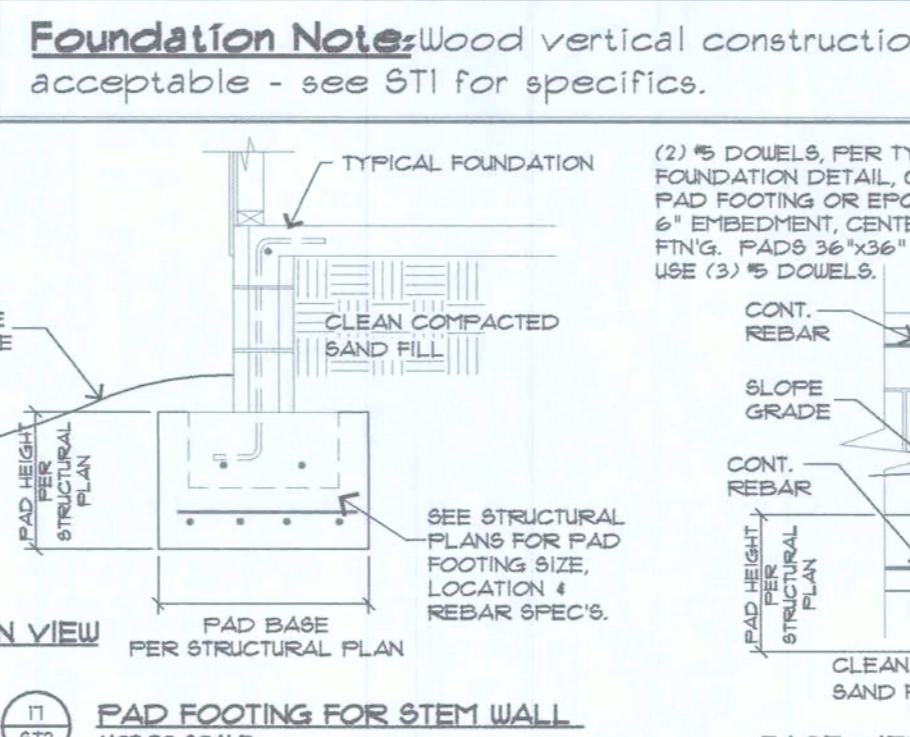
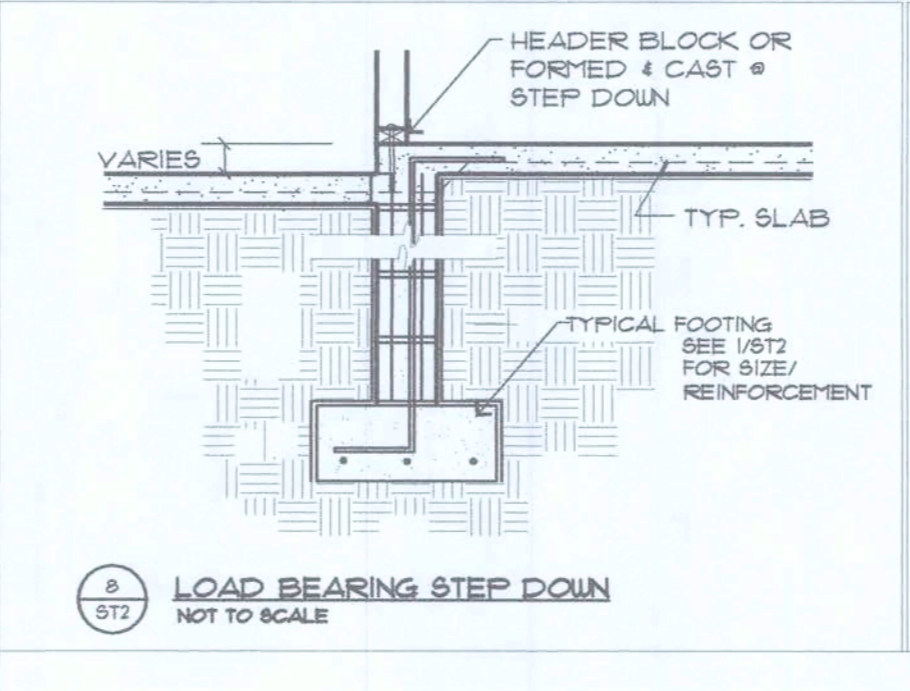
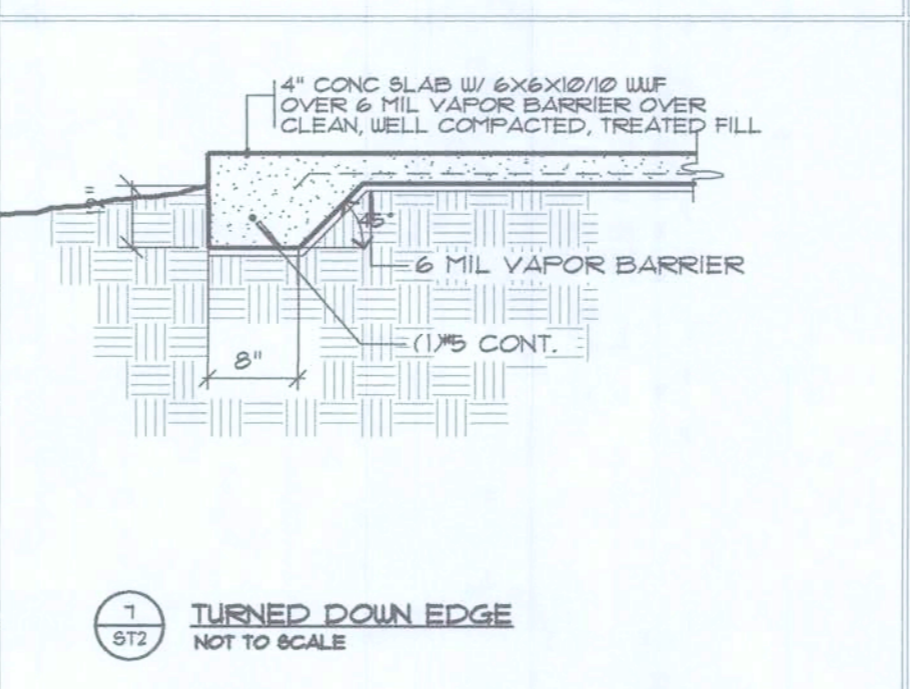
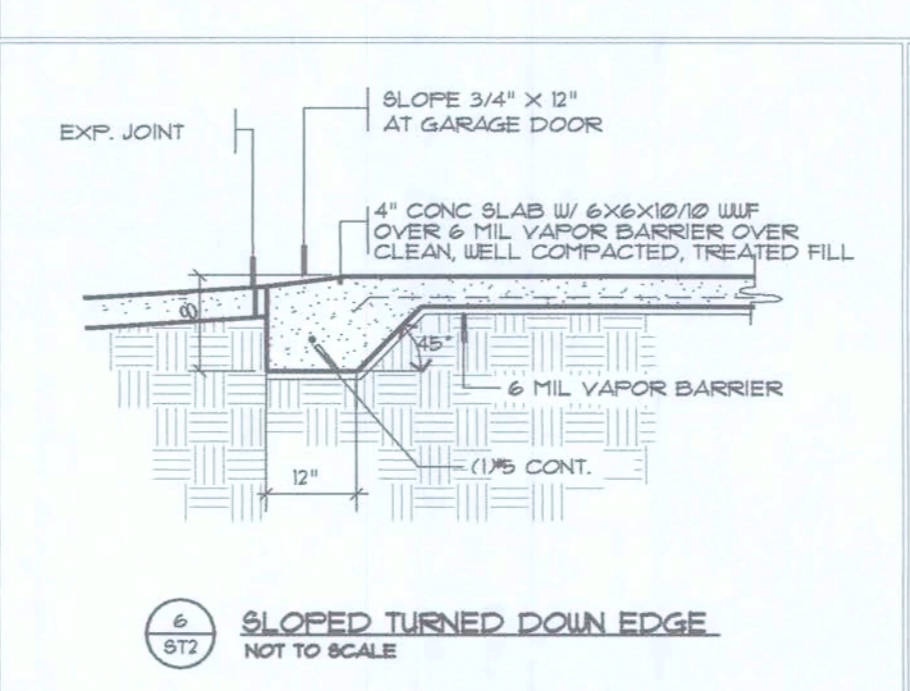
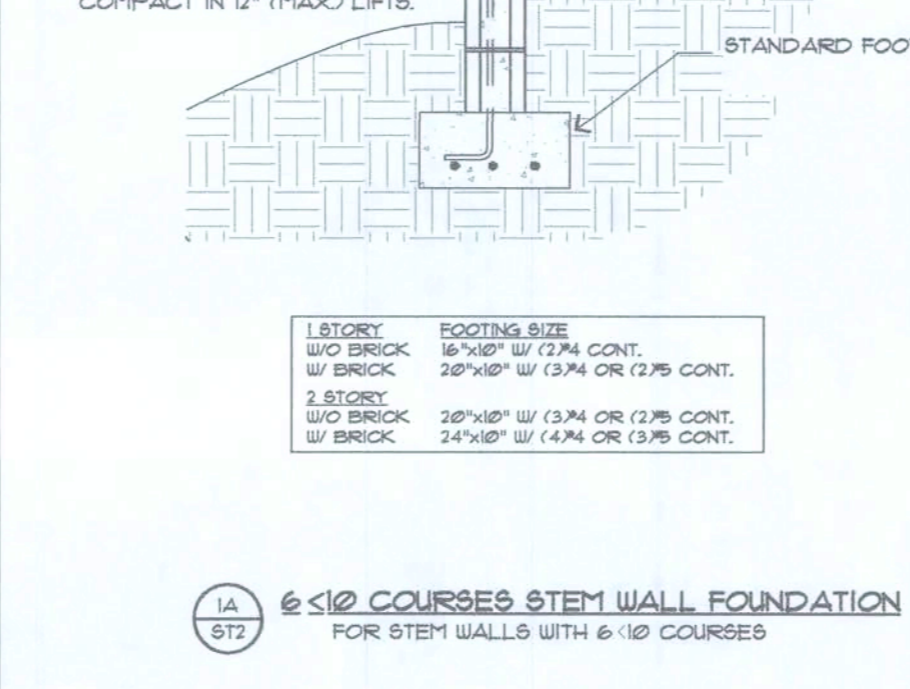
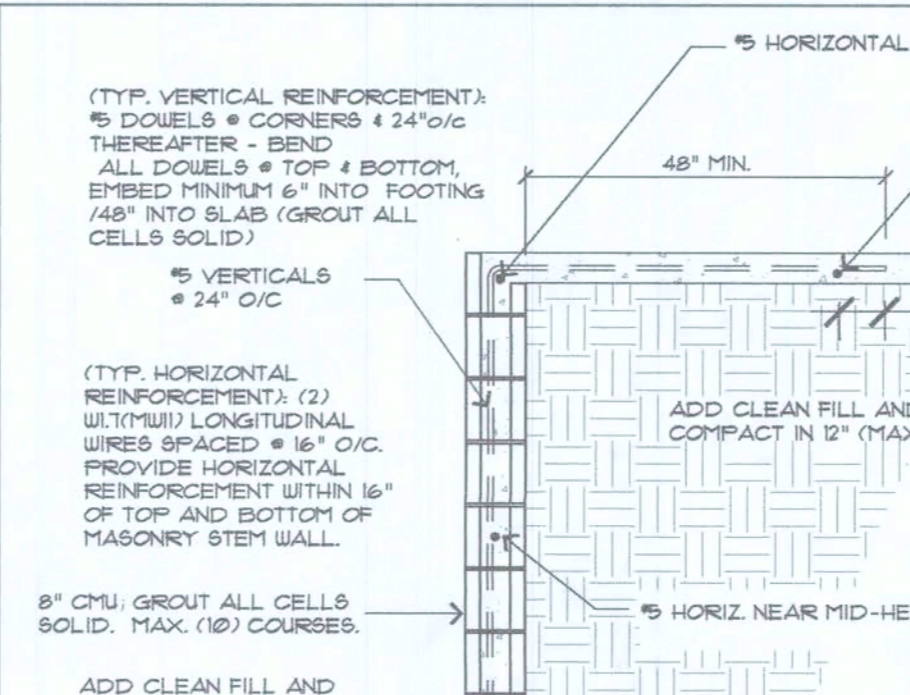
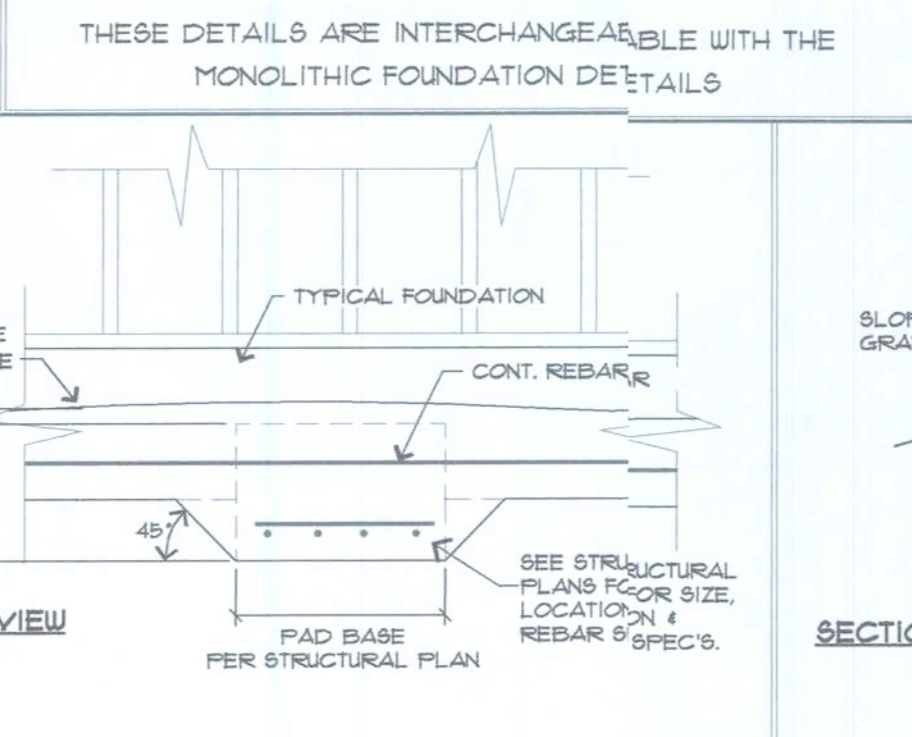
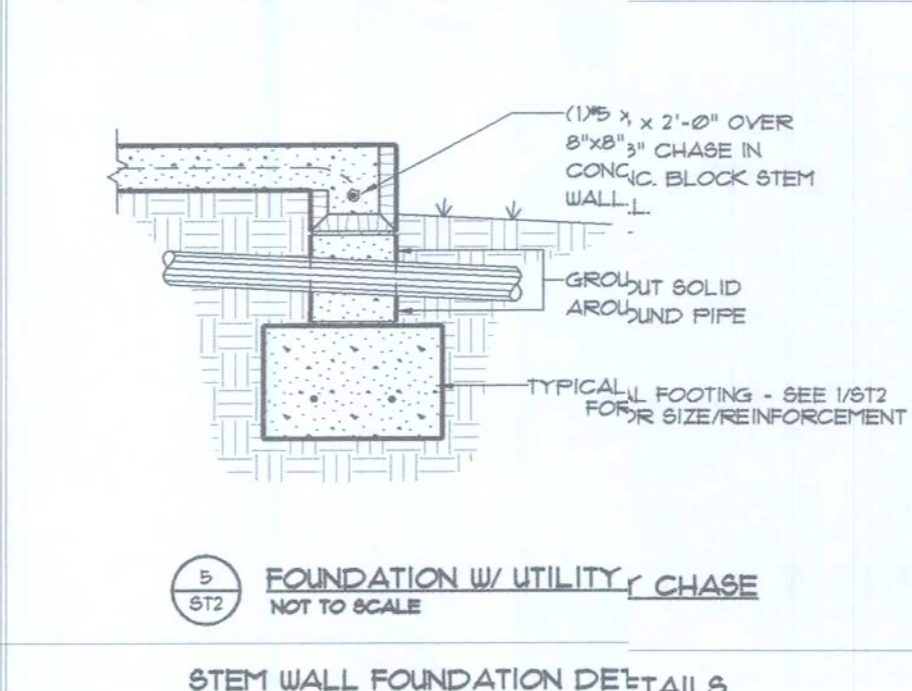
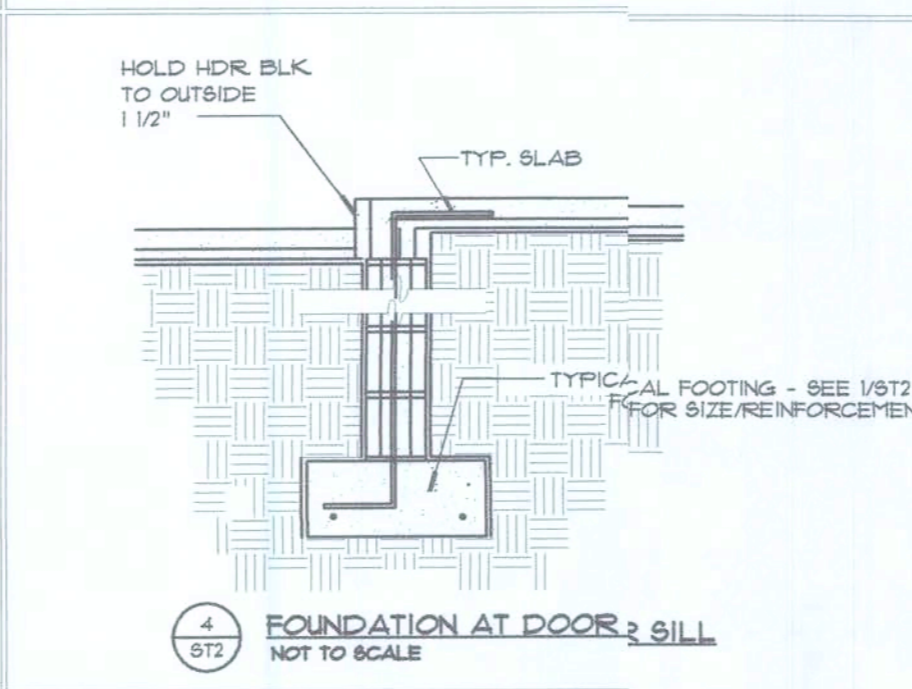
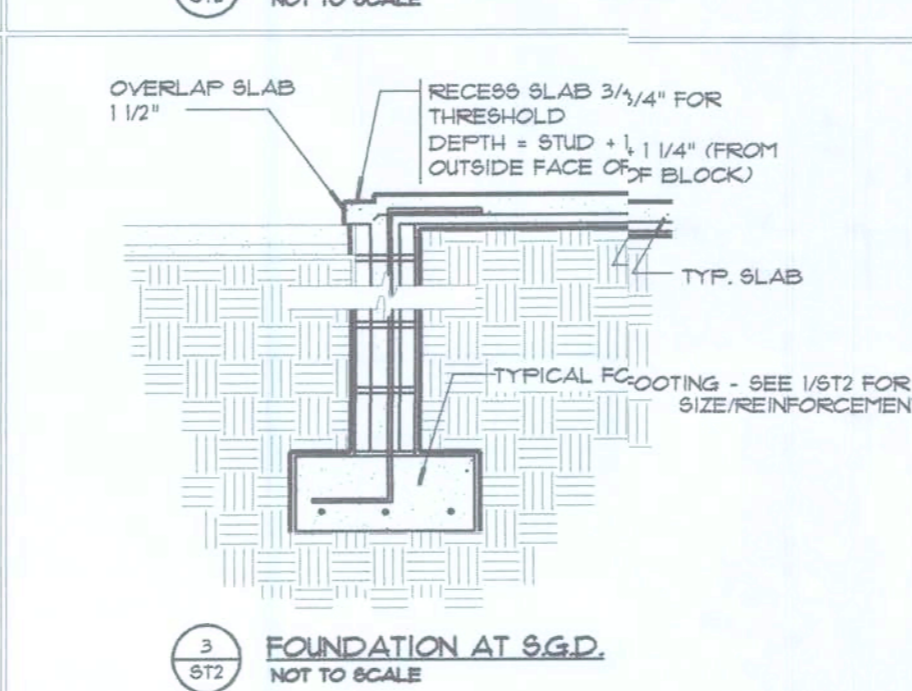
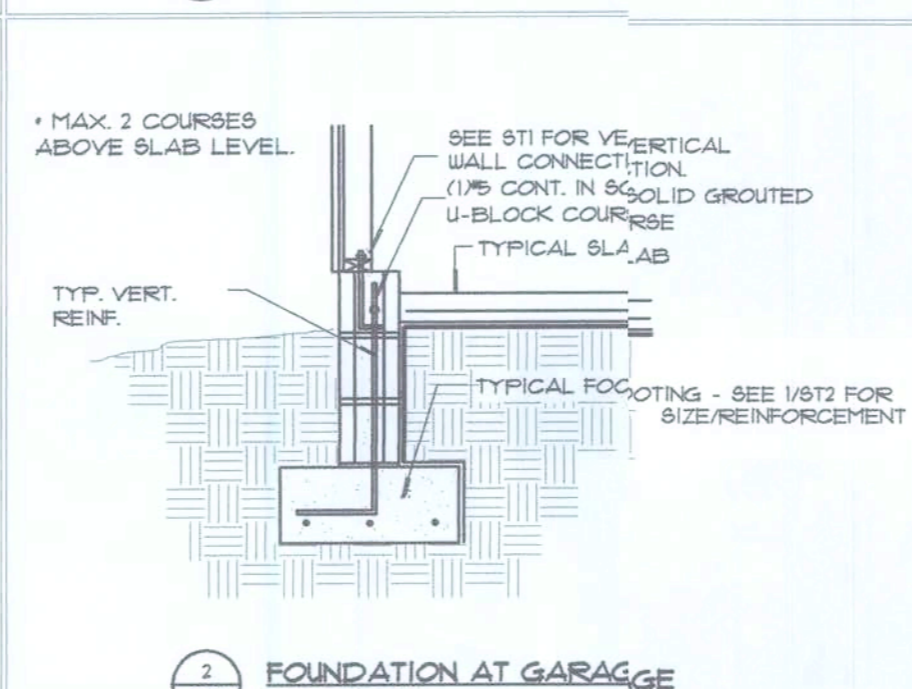
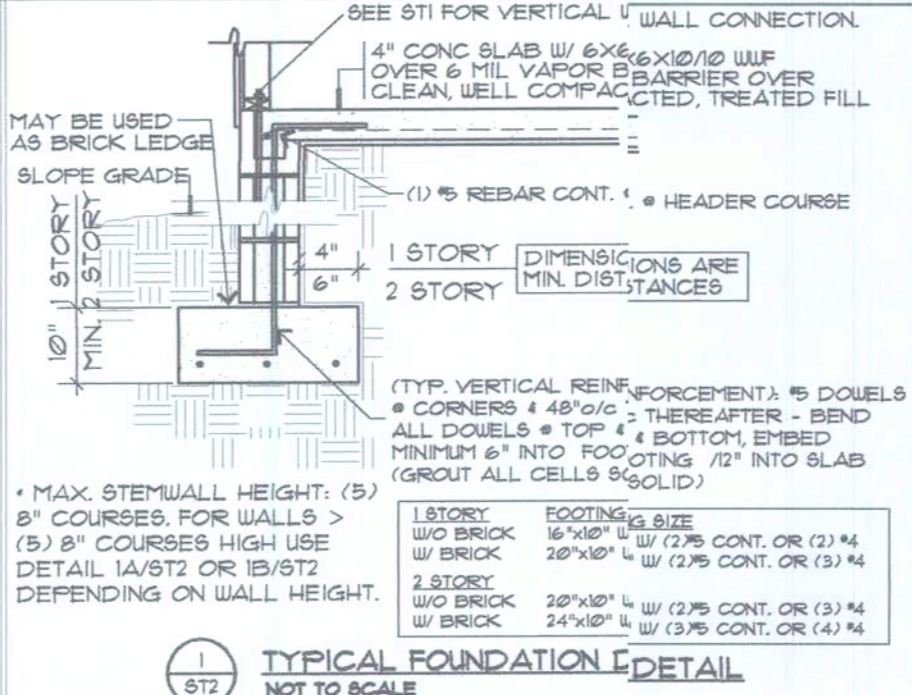
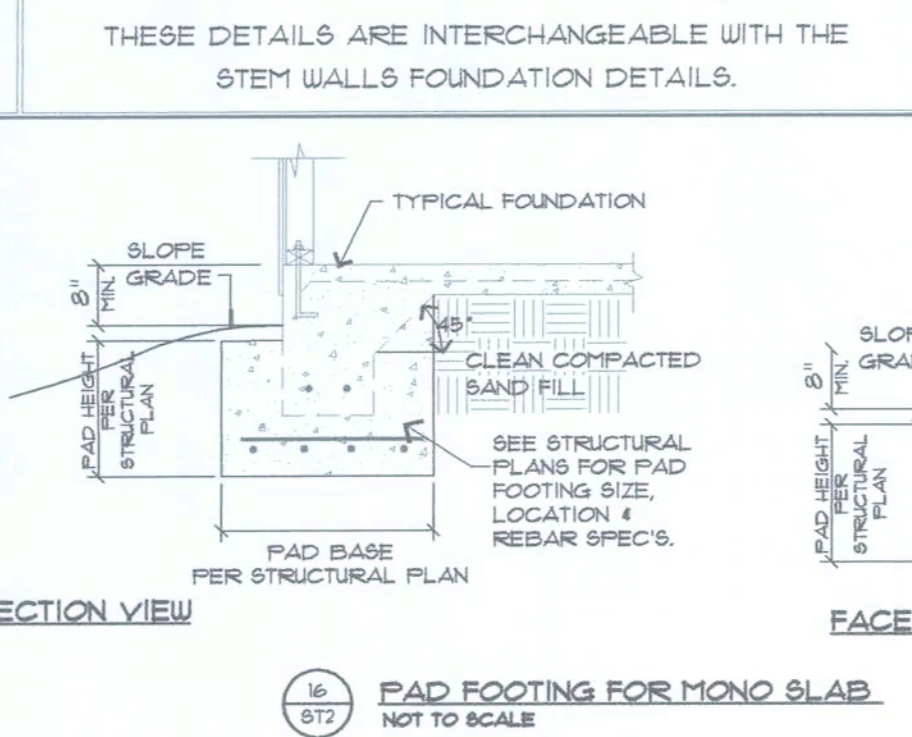
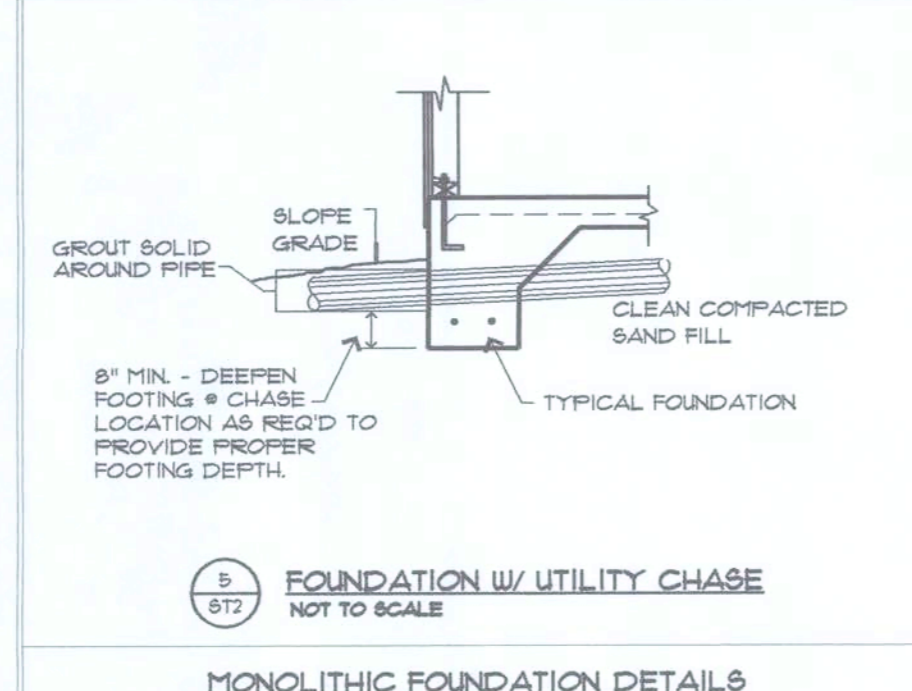
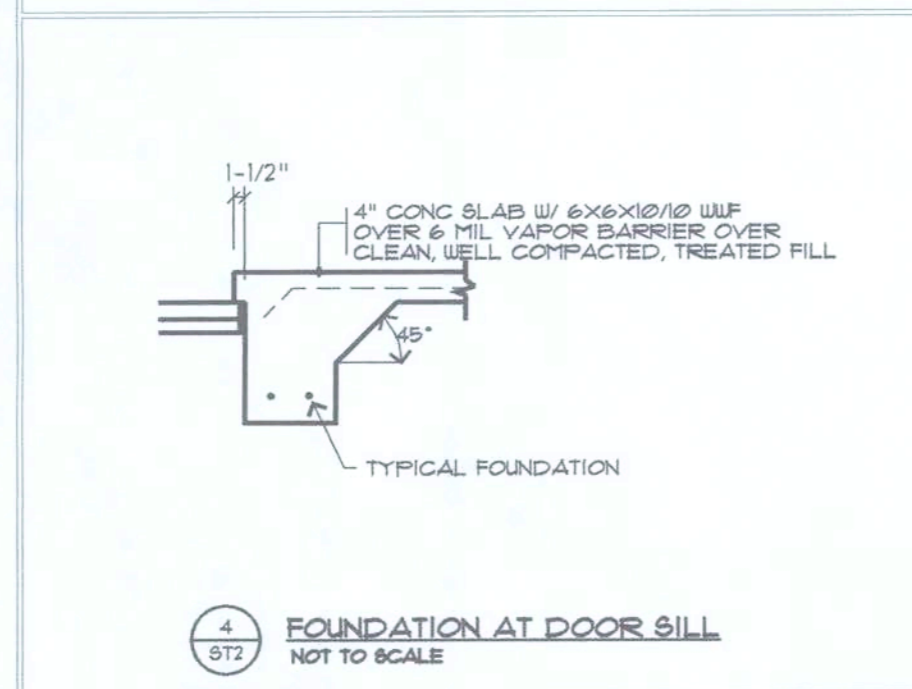
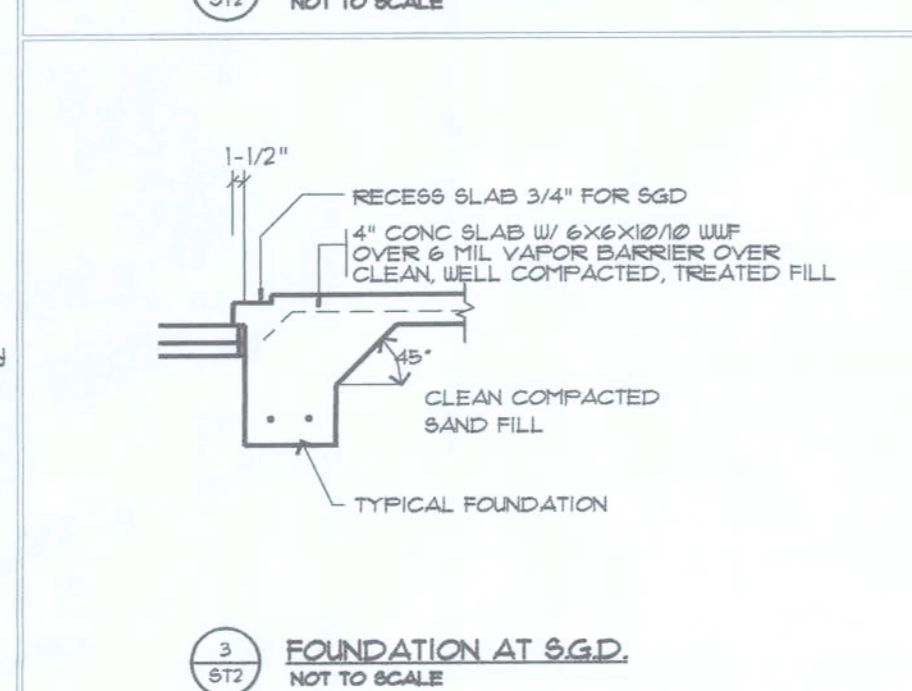
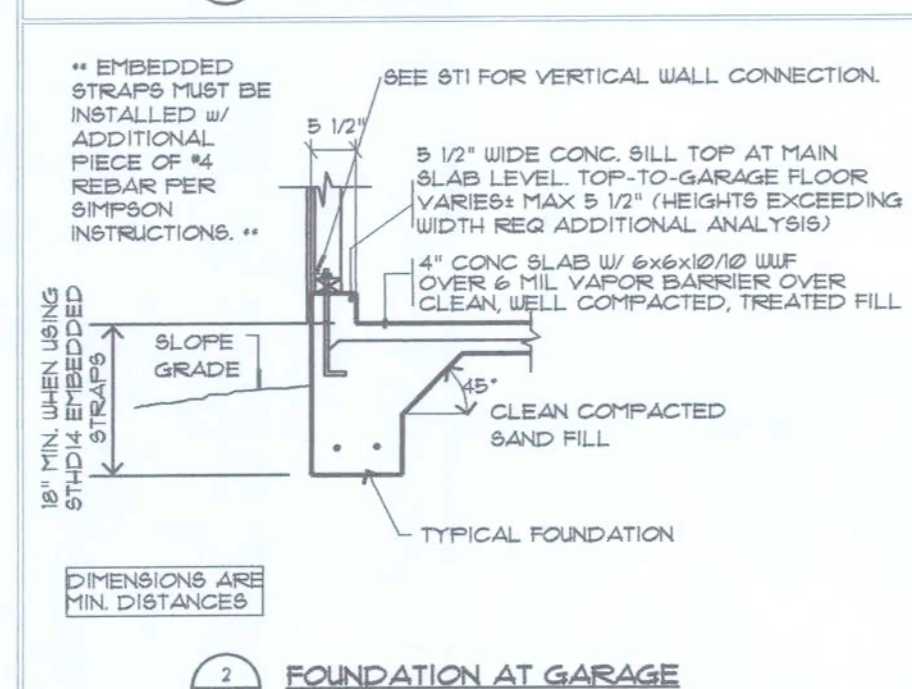
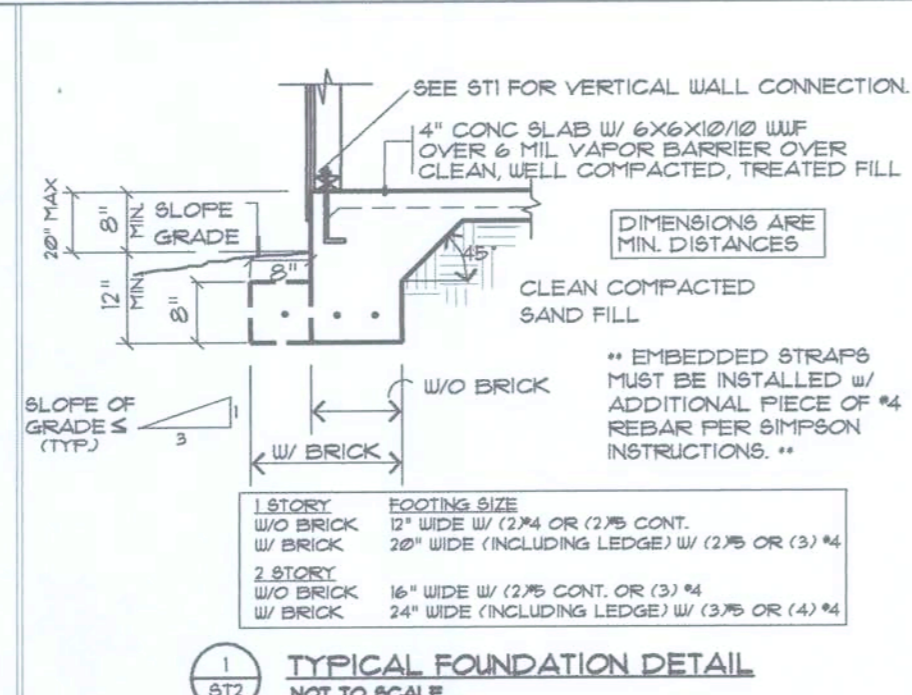
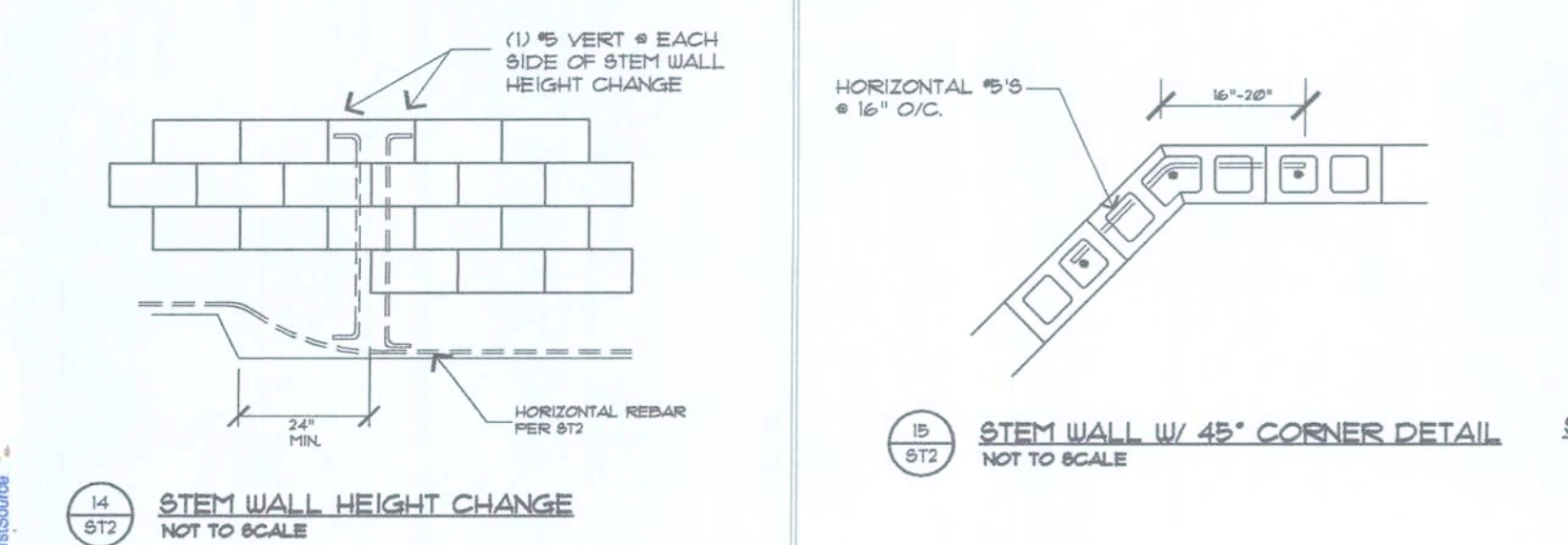
- CONCRETE:**
- All concrete slabs on grade shall be the thickness as indicated on the drawings over minimum 10 mil. polyethylene (visqueen) vapor barrier. Such slabs shall be reinforced with 6x6 W4x4 UWF lapped 8" at edges and ends in conformance with ASTM-105, or Fiber mesh Reinforcement shall be used with the minimum 2" fiber length at 10x10d complying with ASTM C 116.
 - Fill under concrete slabs shall be clean sand free of debris and other deleterious material. Fill shall be compacted to a density of at least 95% of Modified Proctor Maximum Dry Density (ASTM D1557-1). Fill shall be treated with the termiticide before use is placed.
 - Footings shall bear upon undisturbed soil or upon soil compacted to a density of min. 95% of Modified Proctor Maximum Dry Density (ASTM D1557-1) for a depth of at least two feet (2') below the bottom of the footing.
 - Where shown, cores of block masonry shall be filled with concrete grout or pea gravel concrete with the minimum compressive strength of 2500 psi at 28 days.
 - Detail reinforcement in accordance with ACI 315, Detailing Manual. Minimum concrete cover for reinforcement shall be as follows:
 - Concrete cast against earth 3"
 - Formed concrete exposed to earth or weather 1-1/2"
 - Interior slabs, walls 3/4"
 - Minimum compressive design strength of concrete used for foundations and slabs shall be 2500 psi @ 28 days.
 - Reinforcing steel shall conform to ASTM A615, grade 40.
 - Longitudinal reinforcing in walls and footings shall be continuous at corners and intersections. Matching corner bars shall be used. Minimum lap of reinforcing shall be 40 bar diameters, but not less than 20".
 - All concrete operations, including but not limited to mix design, mixing, transporting, placing, reinforcing, detailing and placing, curing, and testing shall be done in accordance with the requirements and application of ACI 301, "Specifications for Structural Concrete".

- WOOD:**
- Framing lumber shall be as follows or better:
 - 2 x Rafters/Beams/Joists #2 SPF 19% M.C.
 - Joists Provided by TrusJoist, or equivalent.
 - Engineered Beams Provided by TrusJoist, or equivalent.
 - Floor Joists #2 SPF 19% M.C.
 - Studs #2 SPF 19% M.C. - Typical - Unless Noted Otherwise
 - All nails shall be "Common" unless noted otherwise.
 - Where not otherwise shown on plans, all nailing or screwing shall be as indicated in the codes referenced above. All sheathing must be nailed or screwed & adhesives SHALL NOT be used in place of nailing.
 - Metal connectors to be provided by Simpson. Alternate connectors w/ equivalent or higher allowable loads may be used in use of specified components.
 - All exterior walls to be sheathed with min. 7/16" thick APA- or TECO-rated OSB, or plywood with 8d @ 6" o.c. along panel edges, 12" o.c. in field (8" with partially enclosed and/or exposure "C" structures), except as noted on structural plan.
 - Engineered components (trusses, joists, etc.) shall be installed per manufacturers specifications & instructions.
 - All permanent bracing of truss members with continuous lateral braces shall be diagonally braced per BCS 1-03, spaced not more than 16 feet o.c. and placed not more than 4' from end of continuous lateral brace.

- STEEL:**
- Detail, fabricate, and erect steel according to AISI
 - "Specification for the Design, Fabrication, and Erection of Structural Steel Buildings", 9th edition.
 - Structural steel shall be ASTM A36, except as noted below:
 - Pipe ASTM A53, Type E or 5, Gr. B
 - Tube ASTM A500
 - All bolts, anchor bolts and threaded rods shall be ASTM A307 unless noted otherwise.
 - Hex nuts and couplers used for bolts, anchor bolts and threaded rods shall be low carbon steel and meet or exceed the capacity of the corresponding ASTM A307, A36, A449 and Grade 2 bolts, etc. Hex nuts and couplers used for high-strength bolts, anchor bolts and threaded rods - ASTM A449 or similar - shall be heavy hex ASTM A563 Grade DH.
 - All welding shall be by a certified welder in accordance with AWS D11.

- MASONRY:**
- All masonry work shall be in accordance with ACI 530/ASCE 5/ TMS 402 Masonry Building Code.
 - Concrete masonry units shall be ASTM C90-75, Hollow Load-Bearing Concrete Masonry Units, Type I, Grade N-1, nominal weight, th a minimum compression strength of 2000 psi (f'm=1500psi).
 - Mortar shall conform to ASTM C710 and be of Type S.
 - Grout when specified, shall conform to ASTM C 476 with minimum 28 day compressive strength of 3000 psi. Grout shall be mixed to provide a slump between 8" to 11".
 - Provide pre cast concrete lintels over all openings unless noted otherwise on drawings. Lintels shall be of sufficient size and reinforcement for the given span loading conditions.
 - Lap all vertical reinforcing a minimum of 25".
 - Provide horizontal joint reinforcing at 16" o.c. vertically. Reinforcing wire shall conform to ASTM A62 and ASTM A16-1 TYPE 34.

- CORROSION & DECAY RESISTANCE:**
- All structural members of wood or structural composite lumber exposed to weather or in direct ground contact - i.e. deck/balcony boards, joists, posts, etc. - shall be pressure preservative treated to a level rated for the specific application. Borate-treated wood shall not be used for structural members exposed to weather or in direct ground contact unless specifically rated by the manufacturer/treater as adequate for the use.
 - All interior wood-based members in direct contact with concrete or masonry shall be pressure preservative treated to resist decay.
 - All metal fasteners & connectors exposed to weather or in contact with corrosive materials (i.e. ACA, CA-B, CBA-A, et al) shall be Z-MAX-coated, hot dipped galvanized, stainless steel or otherwise rated by the manufacturer for compatibility with the application. The exterior application of any material treated with a pressure preservative containing Arsenic shall require the exclusive use of stainless steel fasteners and connectors. The use of any material treated with the pressure preservative ACZA shall require the exclusive use of stainless steel fasteners and connectors.
 - Stainless steel and zinc-plated (i.e. Z-MAX, HDG, etc.) fasteners and connectors may not be combined. Use only SS fasteners with SS connectors. Use only zinc-plated fasteners with zinc-plated connectors.
 - Regular inspection and maintenance of wood, wood-based and metal products used in outdoor or other corrosive environments or applications is necessary for continued, long-term satisfactory performance.



Foundation Note: Wood vertical construction shown atop foundation details for clarity. Wood, cmu, icf or other structural vertical construction acceptable - see ST1 for specifics.



**Builders
FirstSource**
DESIGN CENTER

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Jacksonville, FL 32244
Tel 904.772-6100
Fax 904.317-2835

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REV	DESCRIPTION
1	1/05 CHR, et al RW
2	1/16 D'CAY, CORR. RW
3	2/16 2/ST2 3THD14 RW
4	2/14 GEN. NOTES RW

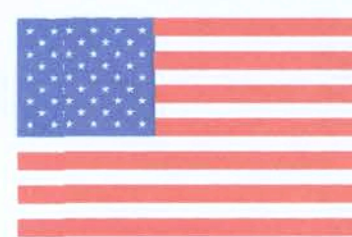
STRUCTURAL FOUNDATION DETAILS
2004 FBC-R w/ 2006 SUPPLEMENT

ENCLOSED

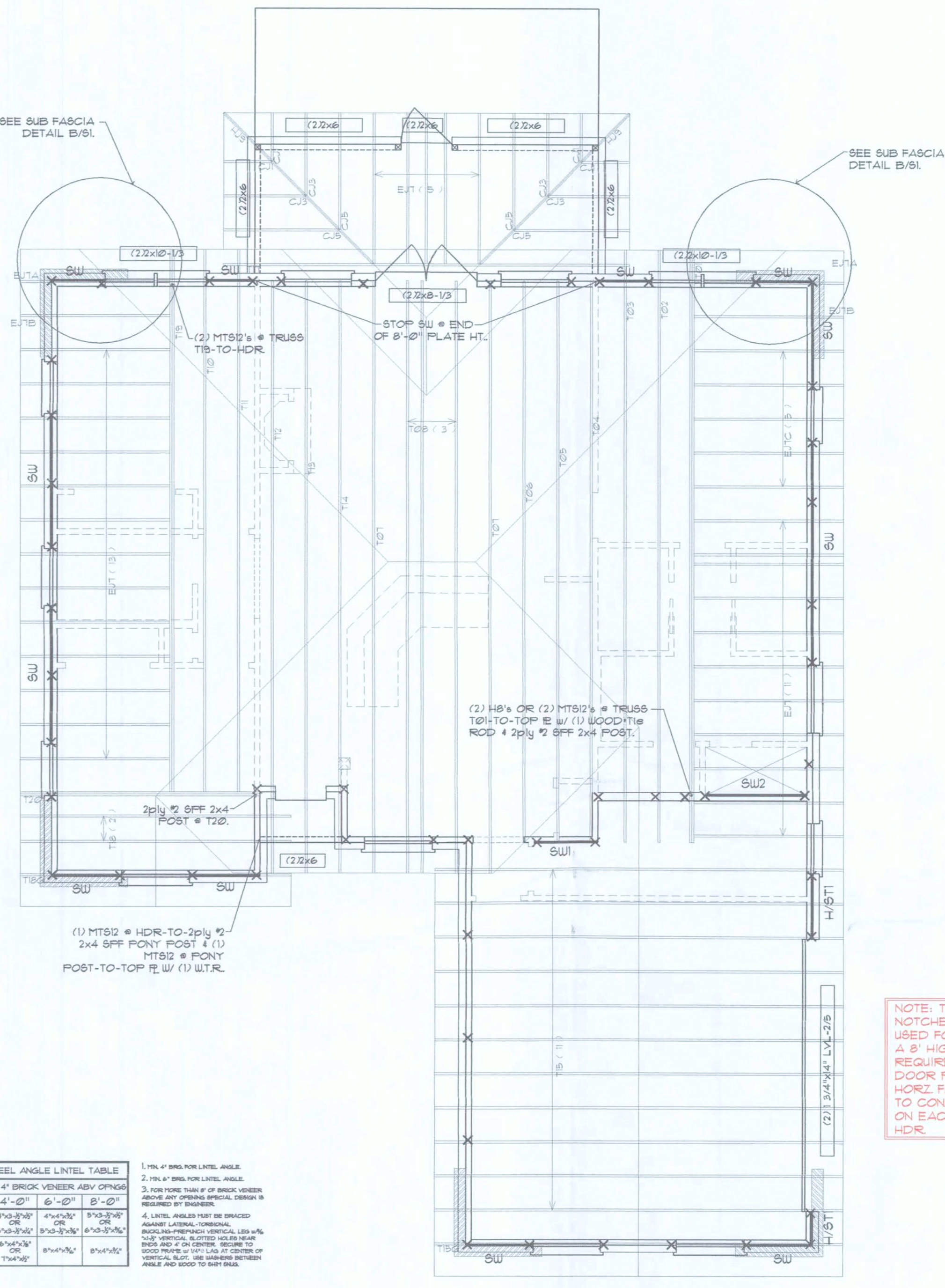
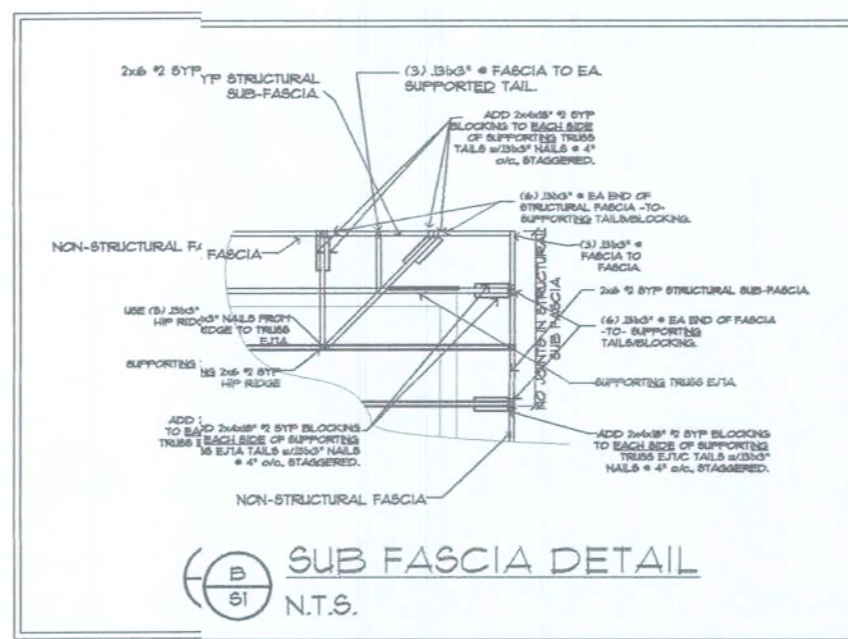
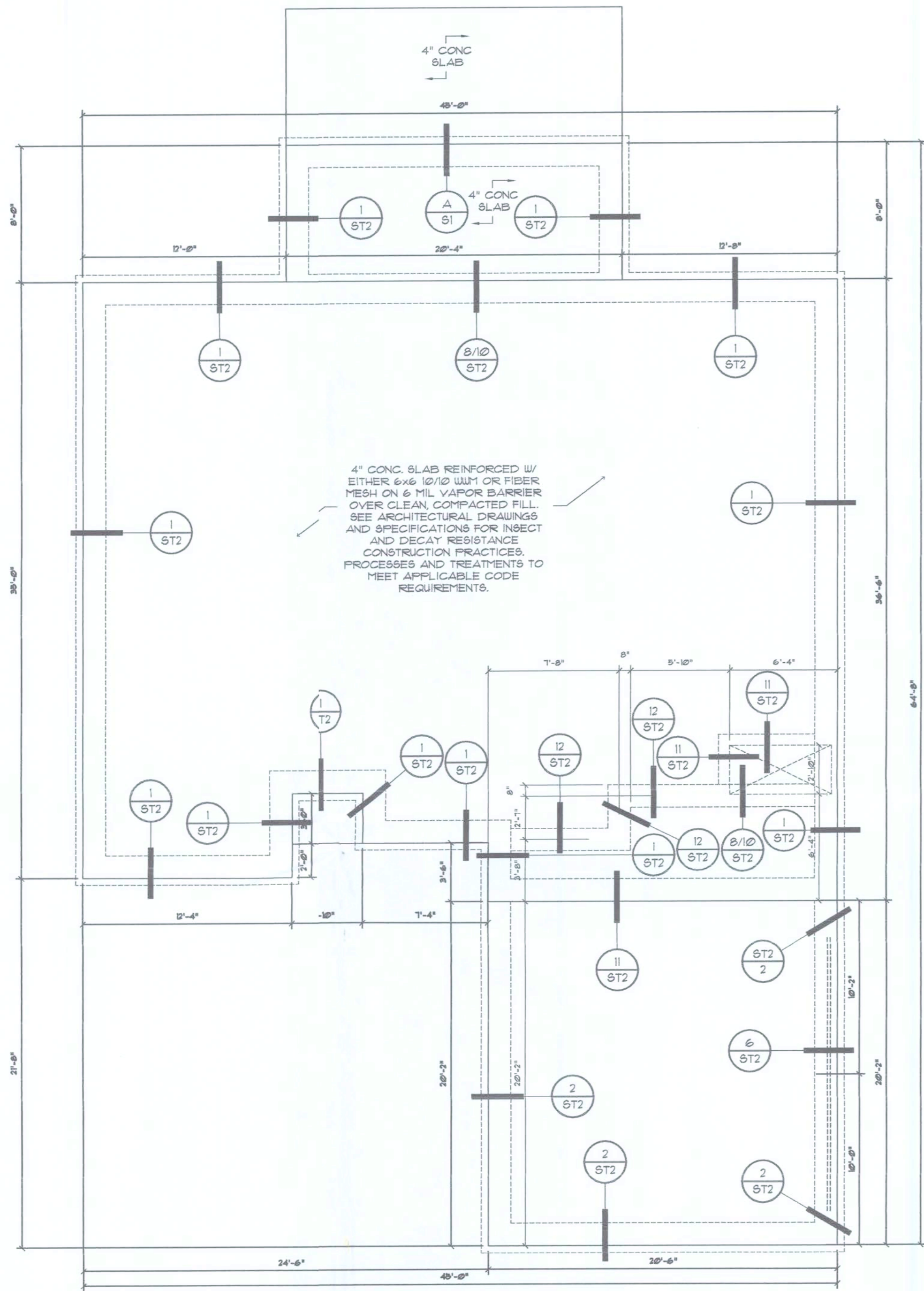
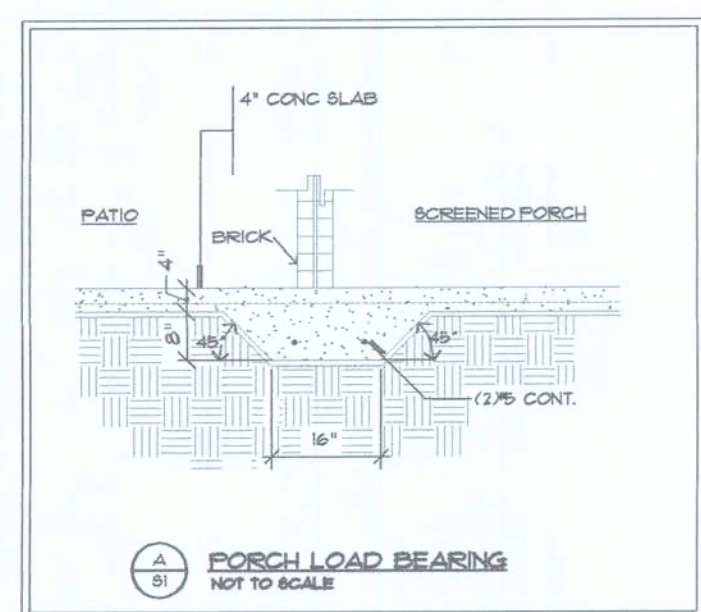
DESIGN	RUM/DAMR
DRAFT	JLB/MDA
CHECKED	CMR
SCALE	NTS
DATE	7/30/07
JCS NO.	STANDARD
SGFT.	DETAILS

Project Engineer:
Charles M. Rhodebeck, PE
Professional Engineer
FL License No. 26497
This drawing not valid without raised seal and signed in blue ink.
Builders FirstSource
of Jacksonville
FL CoA Number 00004894
GA PEF Number 004586

SHEET
ST2
of



In conclusion, if a shoe plate is going to overhang a slab edge $1\frac{1}{4}$ " or less, immediately increase the wall size accordingly so that no additional or substantial repairs are required later. If a shoe plate is going to overhang a slab edge more than $1\frac{1}{4}$ ", contact the Engineer of Record before proceeding.



1. MIN. 4" BRG. FOR LINTEL ANGLE
2. MIN. 6" BRG. FOR LINTEL ANGLE
3. FOR MORE THAN 8' OF BRICK ABOVE ANY OPENING SPECIAL D. REQUIRED BY ENGINEER.
4. LINTEL ANGLES MUST BE BRG. AGAINST LATERAL-TORSIONAL BUCKLING-PREFRANCH VERTICAL 1" X 4" VERTICAL SLOTTED HOLES 8" ON CENTER, SECURED W/ WOOD NAIL AT CE VERTICAL SLOT. USE WASHERS IN ANGLES AND WOOD TO SHUT FAST.

