

SHORT - ADDITION

DEC. 2008



## GENERAL STRUCTURAL NOTES AND PROJECT SPECIFICATIONS:

### SECTION 1: GENERAL

- 1.1 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE THE JOB SITE PRIOR TO STARTING CONSTRUCTION AND THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES WITH ANY WORK SO INVOLVED.
- 1.2 ALL PHASES OF WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE LATEST EDITION OF THE ~~FLC-2004 BUILDING CODE~~ AD ALL APPLICABLE LOCAL CODES. ~~10/15, 10/6 & 10/7 SUPPLEMENTS.~~
- 1.3 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. NEITHER CONSTRUCTION MEANS AND METHODS NOR CONSTRUCTION SAFETY ARE PART OF THE STRUCTURAL ENGINEER'S EXPERTISE OR SCOPE OF WORK. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS ARE FULLY RESPONSIBLE FOR THE MEANS AND METHODS USED TO CONSTRUCT THE STRUCTURE AND FOR FULL COMPLIANCE WITH ALL JOB SAFETY RELATED REGULATIONS AND CONDITIONS AT THE SITE. LIMITED SITE VISITS, IF ANY, BY THE STRUCTURAL ENGINEER ARE SOLELY TO OBSERVE COMPLETED PARTS OF THE STRUCTURE. THE STRUCTURAL ENGINEER IS NEITHER QUALIFIED TO OBSERVE NOR COMMENT ON CONSTRUCTION MEANS AND METHODS AND JOB SITE SAFETY.
- 1.4 OPENINGS, POCKETS, ETC., SHALL NOT BE PLACED IN SLABS, BEAMS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
- 1.5 ALL ASTM SPECIFICATIONS, IF APPLICABLE, NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.
- 1.6 IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE NOTES OR SPECIFICATIONS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR AND SHALL BE REVIEWED BY THE ARCHITECT.
- 1.7 EXISTING CONDITIONS DEPICTED ON THESE DRAWINGS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR AS THEY ARE UNCOVERED DURING CONSTRUCTION. IN THE EVENT EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IMMEDIATELY AND AWAIT FURTHER INSTRUCTION BEFORE PROCEEDING WITH CONSTRUCTION.
- 1.8 PRIOR TO ANY DRILLING, CORING, OR CUTTING OF CAST CONCRETE, THE CONTRACTOR SHALL SUBMIT TO THE STRUCTURAL ENGINEER FOR REVIEW, THE PROPOSED SIZES AND LOCATIONS OF ALL HOLES. THE CONTRACTOR SHALL TAKE WHATEVER STEPS THAT ARE NECESSARY TO LOCATE AND AVOID ALL SUCH REINFORCEMENT.

### SECTION 2: SITE PREPARATION

- 2.1 ALL SITEWORK AND GRADING SHALL BE DONE IN COMPLIANCE WITH THE SOIL INVESTIGATION REPORT.
- 2.2 REMOVE ALL UNSUITABLE SURFACE AND SUBSURFACE SOILS, IF ANY, FROM THE BUILDING PAD AREA. REMOVAL SHALL EXTEND BEYOND THE BUILDING FOOT PRINT ALL AROUND, AS IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- 2.3 PROOFROLL / VIBRATORY COMPACT EXCAVATED SUBGRADE AND UNDERCUT AND BACKFILL ALL SOFT SPOTS, IF ANY, WITH SELECT COMPACTED FILL SOIL. THE SUBGRADE SHALL BE INSPECTED AND EVALUATED BY THE GEOTECHNICAL ENGINEER PRIOR TO BACKFILLING.
- 2.4 GROUND SURFACE IN THE BUILDING PAD AREA SHALL BE APPROPRIATELY GRADED AND DRAINED AT ALL TIMES TO PREVENT PONDING OF RAINFALL RUNOFF.
- 2.5 RELATIVELY MOIST CONDITIONS OF SUBGRADE SOILS SHALL BE MAINTAINED DURING CONSTRUCTION. BUILDING SELECT FILL SHALL NOT BE PLACED ON DRY DESSICATED SOILS.
- 2.6 SELECT FILL SHALL BE A HOMOGENEOUS SELECT COHESIVE SOIL. SELECT FILL SHALL BE EVALUATED BY A GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH SELECT FILL CRITERIA.
- 2.7 SELECT FILL SHALL BE PLACED IN A MAXIMUM OF EIGHT INCH LOOSE LIFTS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR DENSITY TEST AT A MOISTURE CONTENT OF  $\pm 2$  PERCENT OF THE OPTIMUM MOISTURE CONTENT.
- 2.8 GOOD DRAINAGE AND STABLE MOISTURE LEVELS SHALL BE MAINTAINED AROUND THE STRUCTURE AT ALL TIMES DURING AND AFTER CONSTRUCTION. LANDSCAPING SHALL BE DEVELOPED TO MINIMIZE POTENTIAL FOR EXCESSIVE WATER INFILTRATION THROUGH CONTROLLED IRRIGATION PRACTICES. TREES AND LARGE SHRUBS SHALL BE MAINTAINED AT A SAFE DISTANCE FROM THE BUILDING.

### SECTION 3: CONCRETE

- 3.1 ALL CONCRETE WORK TO BE IN STRICT ACCORDANCE WITH ACI 318.
- 3.2 ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT WHERE NOTED. NO. 3 BARS SHALL CONFORM TO ASTM A615, GRADE 40.
- 3.3 CONCRETE IN THE FOLLOWING AREAS SHALL HAVE SAND AND GRAVEL AGGREGATES (IN COMPLIANCE WITH ASTM C33), TYPE 1 PORTLAND CEMENT (ASTM C150), AND THE DESIGNATED COMPRESSIVE STRENGTH ( $f'_c$ ) WITHIN 28-DAYS:  

|                    |        |          |
|--------------------|--------|----------|
| FOOTINGS AND SLABS | -----> | 2500 PSI |
| ALL OTHER CONCRETE | -----> | 3000 PSI |
- 3.4 THE MAXIMUM SLUMP SHALL NOT EXCEED 4 INCHES  $\pm$  1 INCH.
- 3.5 ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- 3.6 CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS, SEE SECTION 7.7 ACI 318-08 FOR CONDITIONS NOT NOTED.  

|                |        |                                                              |
|----------------|--------|--------------------------------------------------------------|
| FOOTINGS       | -----> | 3 IN.                                                        |
| GRADE BEAMS    | -----> | 3 IN. BOT., 2 IN. SIDE (3 INCH EARTH FORMED), 1-1/2 IN. TOP. |
| SLABS ON GRADE | -----> | 1 IN. TOP.                                                   |
- 3.7 NO HORIZONTAL JOINTS WILL BE PERMITTED IN CONCRETE EXCEPT WHERE THEY NORMALLY OCCUR OR WHERE NOTED. VERTICAL JOINTS SHALL OCCUR AT CENTER SPANS OR AT LOCATIONS APPROVED BY THE STRUCTURAL ENGINEER.
- 3.8 DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI PUBLICATION 315, LATEST EDITION. ALL HOOKED BARS SHOWN IN DETAILS SHALL HAVE STANDARD HOOKS UNLESS NOTED OTHERWISE.
- 3.9 REINFORCING BARS MAY NOT BE WELDED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- 3.10 UNLESS OTHERWISE NOTED CONTINUOUS BOTTOM REINFORCING BARS SHALL BE SPLICED AT SUPPORTS AND CONTINUOUS TOP REINFORCING BARS SHALL BE SPLICED AT MID-SPAN.
- 3.11 ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE (ACI).
- 3.12 ALL BASE PLATES AND ANCHOR BOLTS SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CONCRETE. ANCHOR BOLTS SHALL BE FABRICATED FROM FULL BODIED A-36 STEEL RODS HAVING THE SAME DIAMETER AS THE BOLT DIAMETER AND USING CUT THREADS. ROLLED THREADS ARE NOT ACCEPTABLE. BOLTS SHALL BE SET USING RIGID TEMPLATES.
- 3.13 ALL REINFORCING BARS, ANCHOR BOLTS, PRESTRESSING TENDONS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- 3.14 CONDUIT OR PIPE SIZE (OD) SHALL NOT EXCEED 30% OF THE SLAB THICKNESS UNLESS SPECIFICALLY DETAILED OTHERWISE AND SHALL BE LOCATED IN MIDDLE 1/3 OF SLAB. CLEAR SPACING BETWEEN ADJACENT CONDUITS OR PIPES SHALL BE TWO TIMES THE LARGER O.D. MINIMUM, UNLESS NOTED OTHERWISE ON PLANS.
- 3.15 PIPES THROUGH STRUCTURAL ELEMENTS SHALL BE SLEEVED WITH A STEEL PIPE OF LARGER DIAMETER.
- 3.16 ALL CONCRETE CONSTRUCTION JOINTS SHALL HAVE 1/4 INCH  $\pm$  AMPLITUDE ROUGHNESS, UNLESS NOTED OTHERWISE.

### SECTION 4: FOUNDATIONS

- 4.1 ALL STRUCTURAL COMPUTATIONS ARE BASED ON AN ASSUMED MINIMUM ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF, THAT MUST BE CONFIRMED BY THE SITE GEOTECHNICAL ENGINEER / ARCHITECT PRIOR TO FOUNDATION POUR.
- 4.2 SHOULD THE FOOTING ELEVATION OCCUR IN DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ENGINEER SHALL BE NOTIFIED AND NECESSARY ADJUSTMENTS SHALL BE MADE PER HIS/HER INSTRUCTIONS.

### SECTION 4: FOUNDATIONS

- 4.3 STEPS IN WALL FOOTINGS SHALL NOT EXCEED A SLOPE OF ONE VERTICAL TO TWO HORIZONTAL (1V:2H).
- 4.4 PREPARED GRADE AREA UNDER ALL BUILDING SLABS AND GRADE BEAMS SHALL BE COVERED WITH 6 MIL POLYETHYLENE VAPOR BARRIER WITH JOINTS LAPPED NOT LESS THAN 6 INCHES AT SIDES AND ENDS.
- 4.5 CAUTION SHALL BE USED WHEN OPERATING VIBRATORY COMPACTION EQUIPMENT NEAR EXISTING STRUCTURES TO AVOID THE RISK OF DAMAGING THE STRUCTURE.
- 4.6 DESIGN CRITERIA:  

|                |        |                                     |
|----------------|--------|-------------------------------------|
| ROOF LIVE LOAD | -----> | 30 PSF. (PER TRUSS PLANT / BUILDER) |
| DEAD LOAD      | -----> | 30 PSF. (PER TRUSS PLANT / BUILDER) |
| WIND LOADS     | -----> | 120 MPH, EXPOSURE B                 |

### SECTION 5: MASONRY

- 5.1 DESIGN, MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ~~FLC-2004 BUILDING CODE~~ REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES; ~~10/15, 10/6 & 10/7 SUPPLEMENTS.~~
- 5.2 CMU CELLS INDICATED TO BE FILLED SHALL BE GROUTED WITH A MINIMUM OF 2500 TO 3000 PSI CONCRETE, WITH NO MORE THAN AN 8 INCH SLUMP.
- 5.3 ALL CELLS AT CORNERS, END OF SHEAR WALLS, AND UNDER CONCENTRATED LOADS SHALL CONTAIN VERTICAL REINFORCING AND SHALL BE FILLED WITH CONCRETE.
- 5.4 CMU CONCRETE BLOCKS SHALL CONFORM TO ASTM C-90 WITH A 28-DAY PRISM STRENGTH OF 2000 PSI ( $f'_m$  = 1350 PSI), LAID IN RUNNING BOND. MORTAR SHALL BE TYPE M OR S.
- 5.5 PROVIDE VERTICAL REINFORCING IN CMU WALLS OF A MINIMUM OF ONE 1 # 5 AT 4'-0" MAXIMUM ON CENTER (TYPICAL U.O.N.) GRADE 40. NOTE THAT HIGHLY STRESSED AREAS (CONCENTRATED LOADS) MAY NEED TO RECEIVE MORE REINFORCING (THIS SHALL BE INDICATED IN THE ARCHITECTURAL PLANS).
- 5.6 PROVIDE 8" x 16" BOND BEAM WITH 1 # 5 TOP. AT CORNERS PROVIDE CONTINUITY BY USING CORNER BARS OR END HOOKS. SPLICE LAP LENGTH TO BE 30" MINIMUM.
- 5.7 MASONRY PRECAST LINTELS SHALL BE PROVIDED ABOVE OPENINGS.
- 5.8 GROUTING PROCEDURE FOR BLOCK LIFTS EXCEEDING FIVE FEET: PROVIDE CLEAN-OUT OPENINGS AT THE BOTTOM OF THE LIFT IN EVERY CELL TO BE FILLED. GROUT LIFT NOT TO EXCEED 5'-0" AND TOTAL POUR DEPTH SHALL BE PER TABLE 4.3.3.4 OF ACI-ASCE 530.1.
- 5.9 MINIMUM GROUTING: FILL ALL CELLS SHOWN (ARCHITECTURAL PLANS)
- 5.10 ALL BOLTS IN MASONRY SHALL BE CENTERED IN CELLS  $\pm$  2 INCHES.

### SECTION 6: WOOD

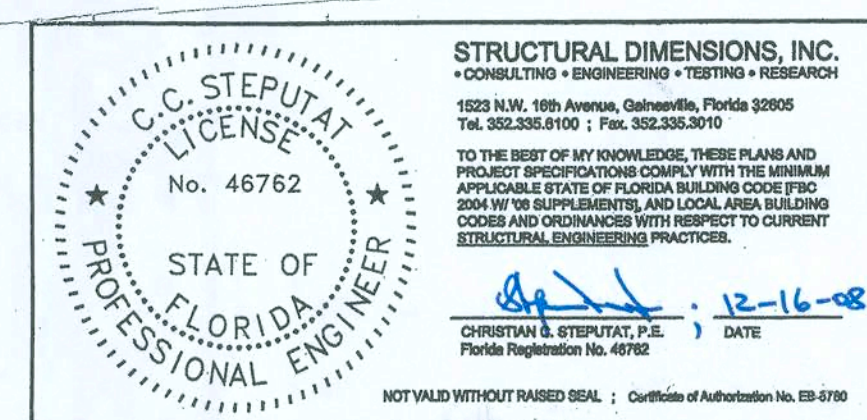
- 6.1 ALL WOOD FRAMING AND PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED, DETAILED AND FABRICATED IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
- 6.2 THE WOOD TRUSSES SHALL BE SIZED AND DETAILED TO FIT THE DIMENSIONS AND LOADS INDICATED, AS SPECIFIED BY THE PROJECT ARCHITECT. ALL DESIGN SHALL BE IN ACCORDANCE WITH ALLOWABLE VALUES AND SECTION PROPERTIES ASSIGNED AND APPROVED BY THE BUILDING CODE. ALL TRUSS CALCULATIONS, INCORPORATING ANTICIPATED DESIGN LOADS, SHALL BE PROVIDED BY THE TRUSS ENGINEER (STAMPED AND SEALED).
- 6.3 PERMANENT BRIDGING PERPENDICULAR TO THE SPAN OF THE TRUSSES SHALL BE PROVIDED AS REQUIRED BY THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL PROVIDE A STATEMENT THAT THE BOTTOM CHORD OF THE ROOF TRUSSES ARE BRACED DURING UPLIFT CONDITIONS.

### SECTION 6: WOOD

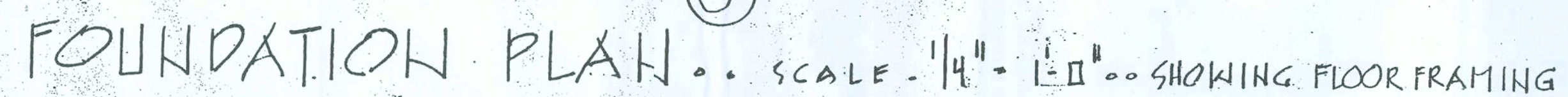
- 6.4 FOR STRUCTURAL LUMBER, PROVIDE THE FOLLOWING GRADE AND SPECIES OR EQUIVALENT:  
SOUTHERN PINE OR SPRUCE-PINE-FIR SURFACES DRY USE AT 19% MAXIMUM MOISTURE CONTENT, GRADE NO. 2.
- 6.5 PROVIDE GALVANIZED METAL HANGERS AND FRAMING ANCHORS OF THE SIZE AND TYPE RECOMMENDED BY THE MANUFACTURER FOR EACH USE INCLUDING RECOMMENDED NAILS (SIMPSON STRONG TIE CONNECTORS OR EQUIVALENT).
- 6.6 ALL BOLTS USED FOR WOOD CONSTRUCTION SHALL BE A MINIMUM OF 1/2 INCH DIAMETER (ASTM A-307).
- 6.7 PROVIDE FRAMING MEMBERS OF SIZES AND OF SPACINGS SHOWN, OR IF NOT SHOWN, COMPLY WITH THE RECOMMENDATIONS OF THE "MANUAL FOR HOUSE FRAMING" OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
- 6.8 DO NOT SPLICE STRUCTURAL MEMBERS BETWEEN SUPPORTS.
- 6.9 PROVIDE ANCHORAGE AND NAILING FOR MEMBERS AND SHEATHING AS SHOWN IN THE DRAWINGS AND TO COMPLY WITH THE LATEST EDITION OF THE ~~FLC-2004 BUILDING CODE~~, ~~10/15, 10/6 & 10/7 SUPPLEMENTS.~~
- 6.10 ROOF FRAMING SHEATHING AND GABLE END SHEATHING:  
1/2 INCH THICK WITH A NAILING PATTERN  $\pm$  10d NAILS AT 6" O.C. PROVIDING BLOCKED DIAPHRAGM 24" FROM ALL EDGES OF ROOF.  
~~[BASE SHEATH NAILS 8d MIN. w/ FULL HITCH, PER FLC]~~

### SECTION 7: STRUCTURAL STEEL

- 7.1 STRUCTURAL STEEL SHALL BE OF ASTM A-36 STEEL (U.O.N.) PROVIDE  $F_y$  = 46 KSI FOR STRUCTURAL TUBING.
- 7.2 ALL ERECTION AND FABRICATION OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION, AND THE LATEST EDITION OF THE AISC CODE OF STANDARD PRACTICE.
- 7.3 ALL BOLTED STEEL CONNECTIONS ARE TO BE STANDARD AISC BOLTED CONNECTIONS AS PER AISC MANUAL AND SHALL BE CAPABLE OF SUPPORTING MAXIMUM ALLOWABLE UNIFORM BEAM LOADS, AS DETERMINED FROM THE TABLES OF UNIFORM LOAD CONSTANTS OF THE AISC MANUAL. ALL BOLTS SHALL BE HIGH STRENGTH ASTM A-325.
- 7.4 ALL WELDS ARE TO CONFORM TO AISC STANDARDS AND LOAD TABLES.
- 7.5 WELDED CONNECTIONS SHALL DEVELOP THE FULL SHEAR AND/OR MOMENT CAPACITY OF THE MEMBERS CONNECTED.







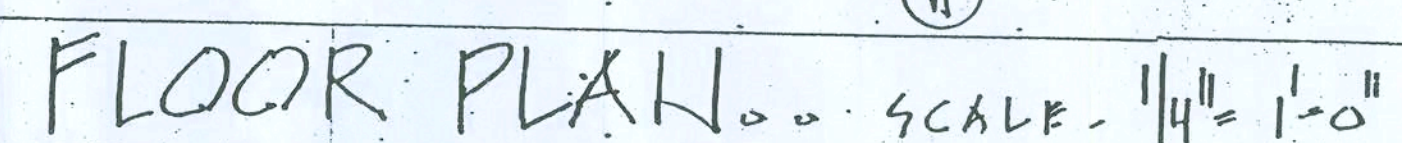
ENGINEER'S RECOMMENDATIONS ON FOOTING DESIGN

FOOTINGS (A) 24"x12" DEEP CONC. FOOTINGS W/ (B) #5 @ CONTINUOUS

(C) 30"x30"x18" DEEP CONC. PADS W/ (A) #5 @ EACH WAY. (D) "x" "x12" DEEP CONC. PADS W/ ( ) #5 @ EACH WAY.

(E) 24"x24"x12" DEEP CONC. PADS W/ (A) #5 @ EACH WAY.

WIND-LOAD ENGINEER TO VERIFY SIZE AND REINFORCING OF CONC PADS AND FOOTINGS & ALL CONNECTORS.



| AREAS | EXISTING RESIDENCE:                        | AREA |                              |
|-------|--------------------------------------------|------|------------------------------|
|       | ADDITION.: BASEMENT AREA                   | 1200 | NEW CONDITIONED ARE,<br>1664 |
|       | ADDITION.: 2 <sup>ND</sup> FLOOR AREA      | 464  |                              |
|       | ADDITION.: 2 <sup>ND</sup> FLOOR WOOD DECK | 464  |                              |
|       | RENOVATED KITCHEN AREA                     | 469  |                              |

WITHIN EXISTING RESIDENCE

Shurt: 12-16-08  
FL. Reg. #46762  
-STRUCTURAL REVIEW

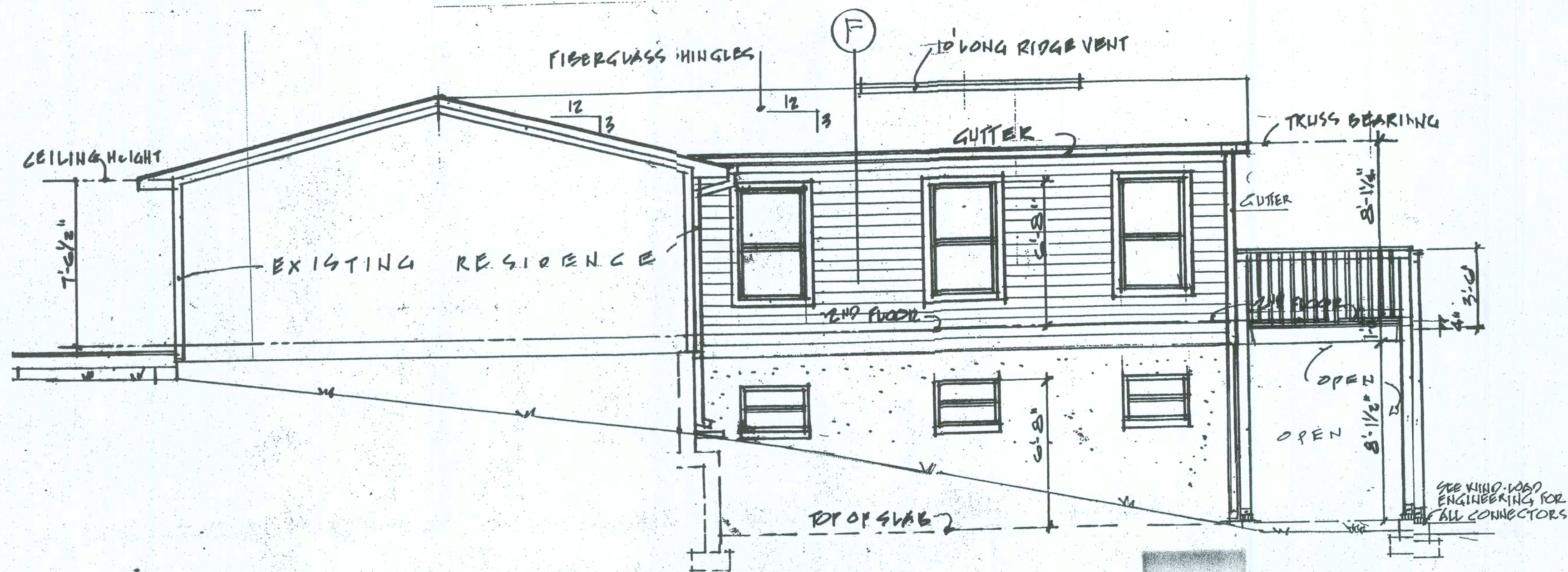
Mary Mc

ADDITIONS AND ALTERATIONS TO:  
THE SHORT RESIDENCE: LAKE CITY  
JOS. W. BURTON

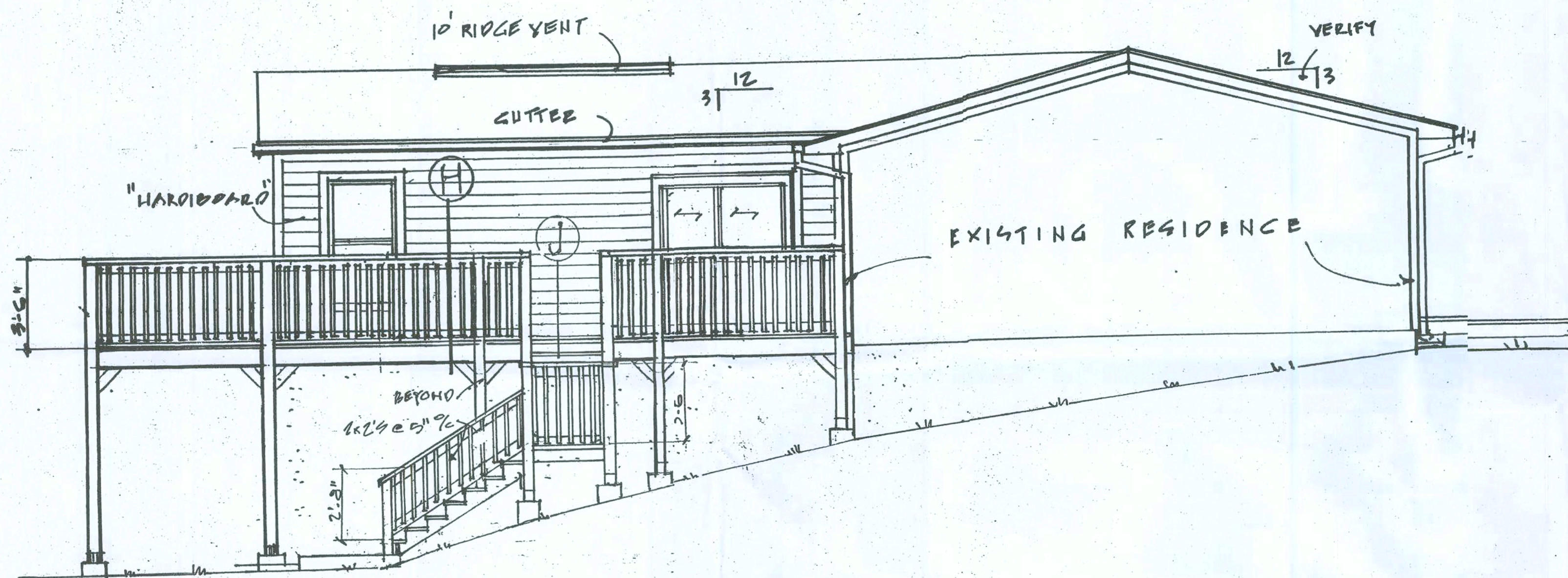
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|         | 10-20-08 |
|         | 12-11-08 |

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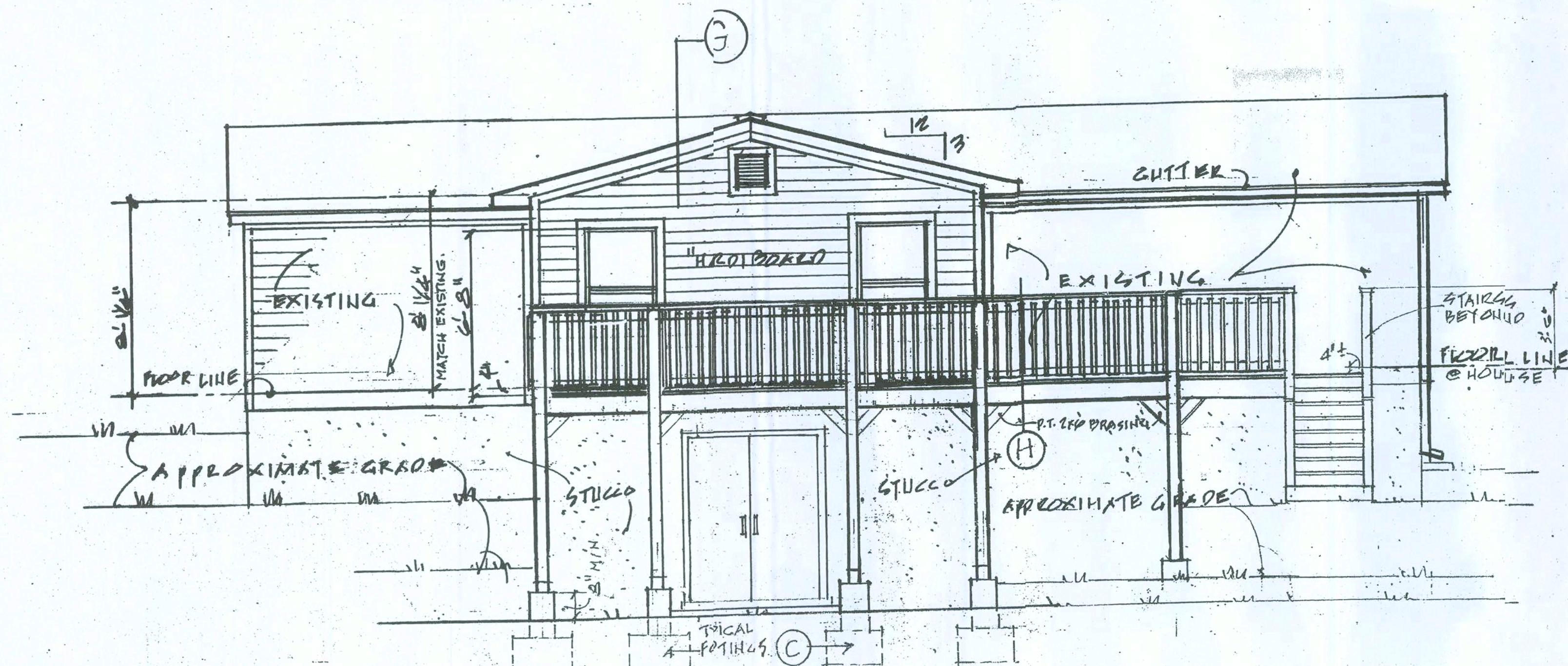




RIGHT ELEVATION - 1/4" = 1'-0"



LEFT ELEVATION - 1/4" = 1'-0"



REAR ELEVATION - SCALE 1/4" = 1'-0"

12-16-08  
PL. Reg. #46762  
- STRUCTURAL REVIEW -

## GENERAL NOTES

All footings shall be excavated down to undisturbed soil.

Compaction of fill under floor slabs shall produce a density as shown by field density test, equal to 95% as obtained by tests of the modified AASHTO method. Compaction shall be by mechanical means.

When backfilling is complete, but before slabs are poured, a 3'-0" wide strip on the inside foundation walls and a 1'-0" wide perimeter strip outside of all foundation walls plus all voids in hollow foundation walls shall be poisoned. This is intended to include a 3'-0" wide strip on both sides of all interior walls. Poisoning shall be done by the use of Dielgren, at the normal rate of one lb. technical material per 300 sq. ft. of soil, applied in not less than 50 gallons of water. All breaks in slabs, such as expansion joints, wherever pipes, conduits, etc., extend through slab, shall have material applied double normal rate. Soil poisoning shall be done by a pest control firm licensed by the Board of Health of the State. Contractor shall furnish a certificate stating that the building area has been treated and guaranteed the building against termite infestation for a period of one year.

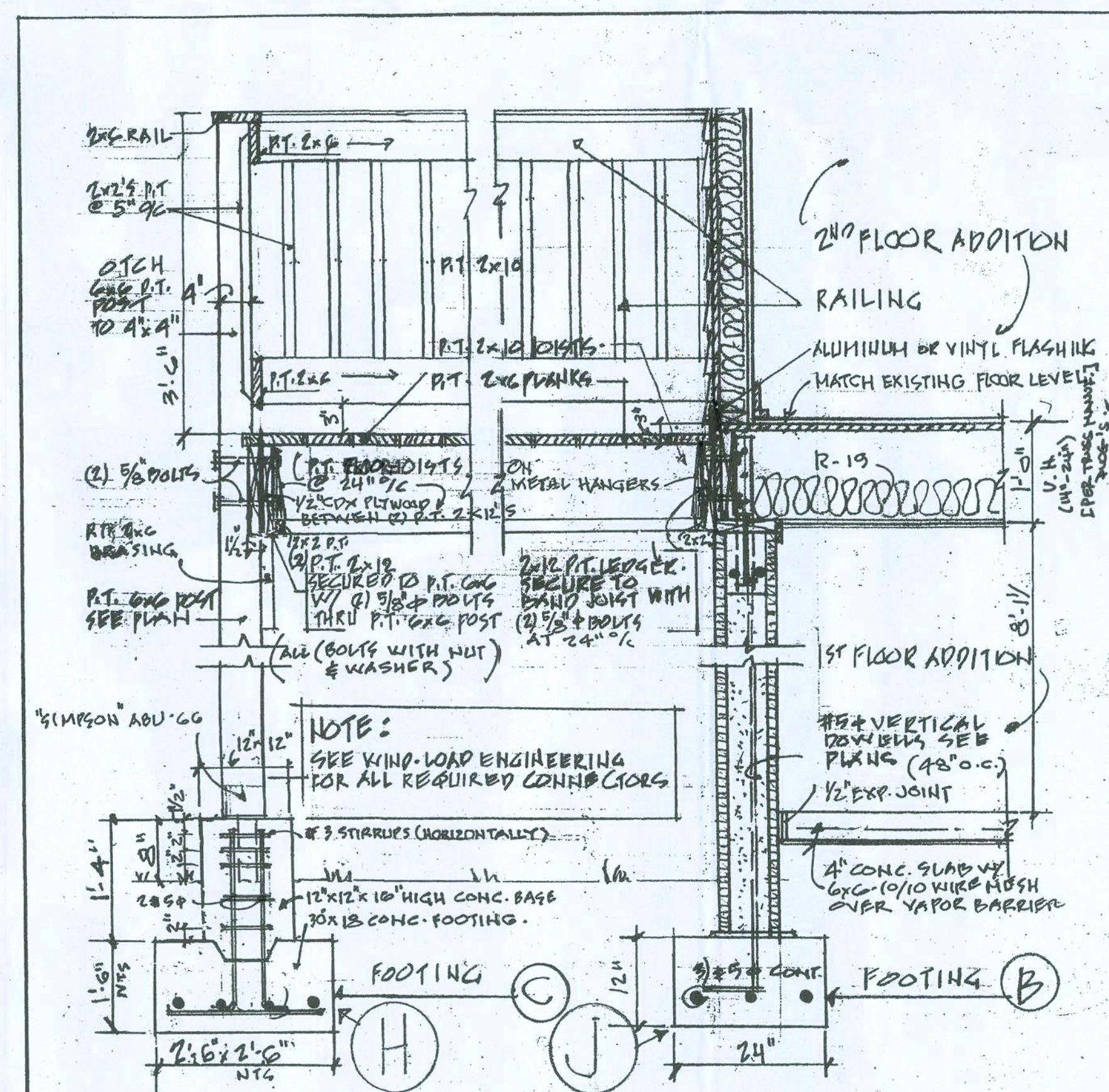
All concrete work as pertains to, but not limited to, inspections, tests, quality of concrete materials, tests for concrete materials, proportions, reinforcement, mixing, placing, curing, formwork and details for reinforcing shall be in accord with the requirements of the latest edition for the A. C. I. Code requirements for reinforced concrete (ACI 318), parts 1, 2, 3. The American Concrete Institute Building Code (ACI 318) and the Manual of Standard Practice for Detailing Reinforced Concrete Structures (ACI 315) shall be applicable to this project. (Latest editions) The following minimum compressive strengths PSI at 28 days after placing are required: 3000 PSI concrete for use in all topping, slabs, beams, precast concrete, filled cells and/or other self supporting structures. Concrete for filled cells shall have small aggregate. 3000 PSI concrete for use in all footings, floors on fill and other concrete work. Concrete for floors shall have aggregate of a size that will permit a smooth trowel finish.

All concrete block masonry shall meet all standards of the ASTM for Grade "A" Hollow Loadbearing Concrete Masonry Units. The moisture content at the time the units are delivered to the job site shall not exceed 30% of the weight of water contained in a completely saturated unit. Units to conform to ASTM C-90. Masonry wall reinforcement shall be galvanized steel especially fabricated for this purpose. The materials shall be in continuous strips, spaced as near to 16" vertically as mortar jointing will permit or according to notes on the Drawings, if indicated as otherwise.

Provide and install piping, wiring and controls at points required, and of construction necessary to conform to the requirements of the National Board of Fire Underwriters, municipal, State, and other authorities having jurisdiction.

All electrical work shall be in strict accordance with regulations of authorities in this locality, and shall conform to National Electric Code.

Wood trusses shall be placed at 2'-0" o. c. as indicated on this Drawing. Engineering of all wood trusses shall be performed and certified by a structural engineer holding a current license to practice engineering in the State of Florida. Wood trusses shall be designed to meet all of the dead, live, and wind load requirements as set forth in the Standard Building Code (latest edition).



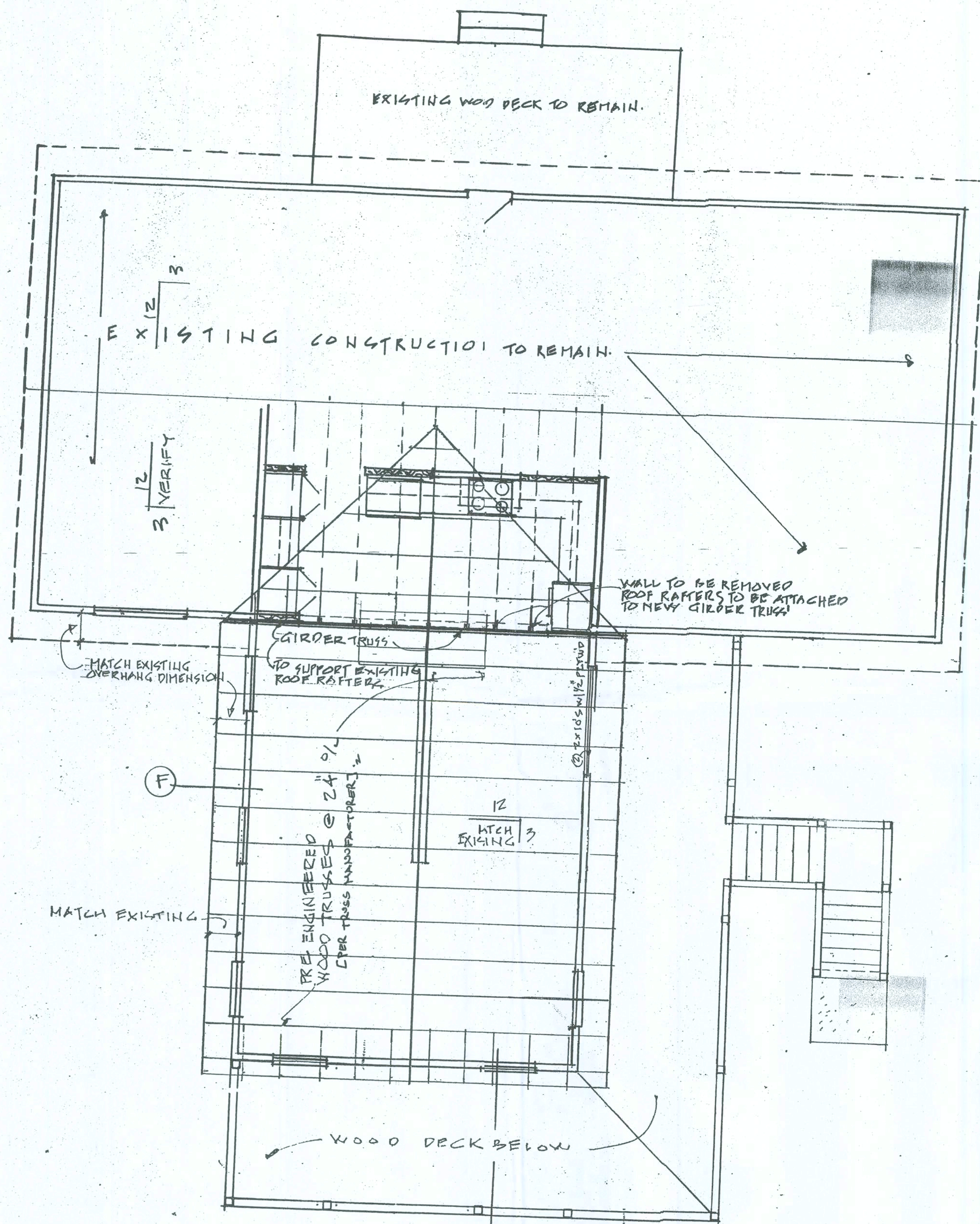
DETAIL OF BALCONY - SCALE 3/4" = 1'-0"

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FILE NO: 0810  
DATE: 12-16-08

ADDITIONS AND ALTERATIONS TO:  
THE SHORT RESIDENCE  
108 S.W. BARNETT LANE  
LAKE CITY, FLORIDA

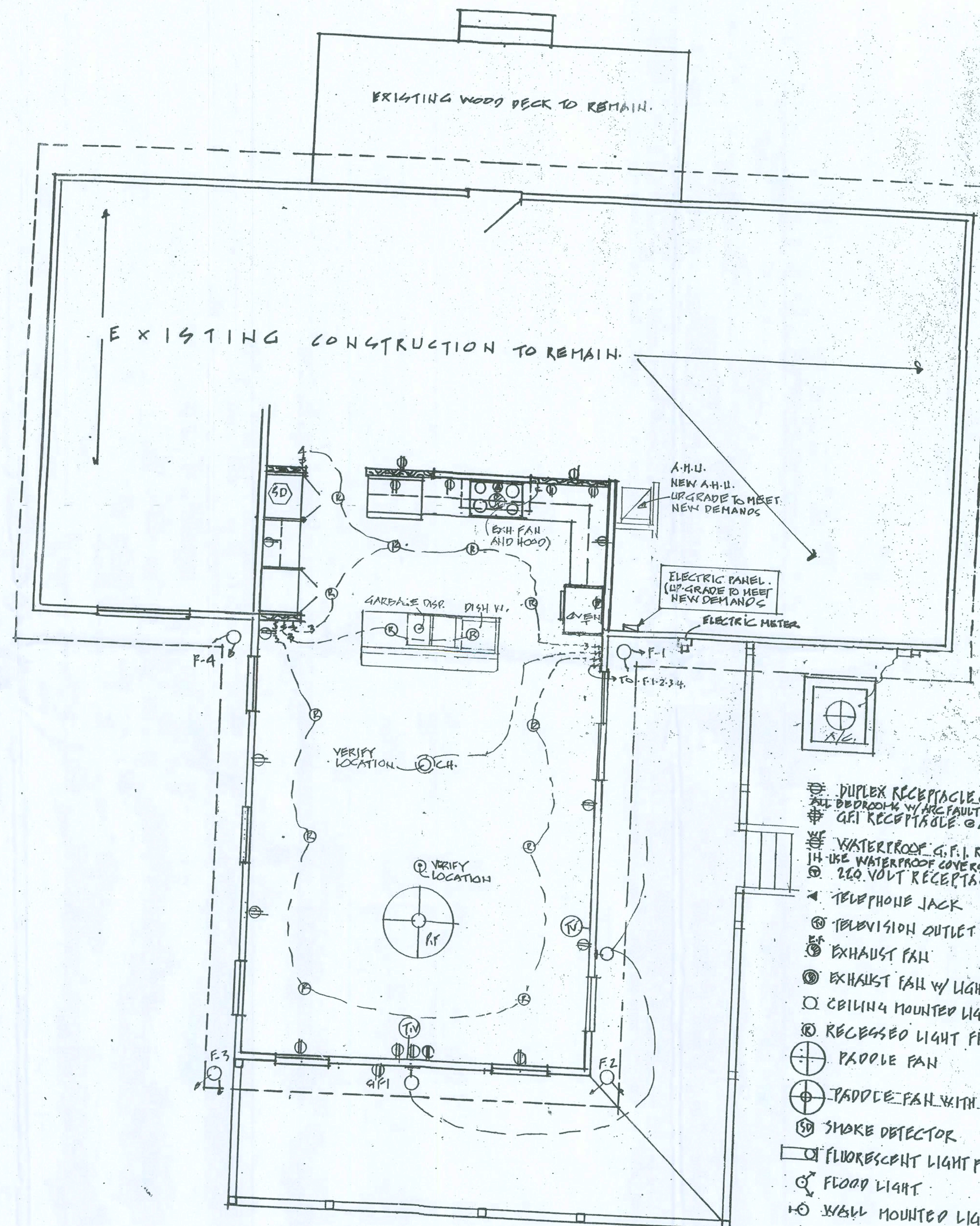




ROOF PLAN - SCALE: 1/4" = 1'-0"

SEE TRUSS ENGINEERING FOR TRUSS DETAILS  
SEE WIND-LOAD ENGINEERING FOR ALL REQUIRED METAL CONNECTORS.

12-16-08  
FL. Proj. # 46762  
- STRUCTURAL REVIEW -



ELECTRICAL PLAN - SCALE: 1/4" = 1'-0"

- ⊕ DUPLEX RECEPTACLE @ 16" A.B.P.
- ⊕ 20 AMP. 120V. GFI RECEPTACLE @ 42" A.B.P.
- ⊕ WATERPROOF G.F.I. RECEPTACLE
- ⊕ USE WATERPROOF COVERS IN WET AREAS
- ⊕ 250 VOLT RECEPTACLE
- ⊕ TELEPHONE JACK
- ⊕ TELEVISION OUTLET
- ⊕ EXHAUST FAN
- ⊕ EXHAUST FAN W/ LIGHT
- ⊕ CEILING MOUNTED LIGHT FIXTURE
- ⊕ RECESSED LIGHT FIXTURE
- ⊕ PADDLE FAN
- ⊕ PADDLE FAN WITH LIGHT
- ⊕ SMOKE DETECTOR
- ⊕ FLUORESCENT LIGHT FIXTURE
- ⊕ FLOOD LIGHT
- ⊕ WALL MOUNTED LIGHT
- ⊕ TOGGLE SWITCH 3-WAY
- ⊕ FLOOR RECEPTACLE
- ⊕ G.P.S. MOTOR
- ⊕ GARAGE RELEASE
- ⊕ CHANDELIERS
- ⊕ ELECTRIC PANEL

3

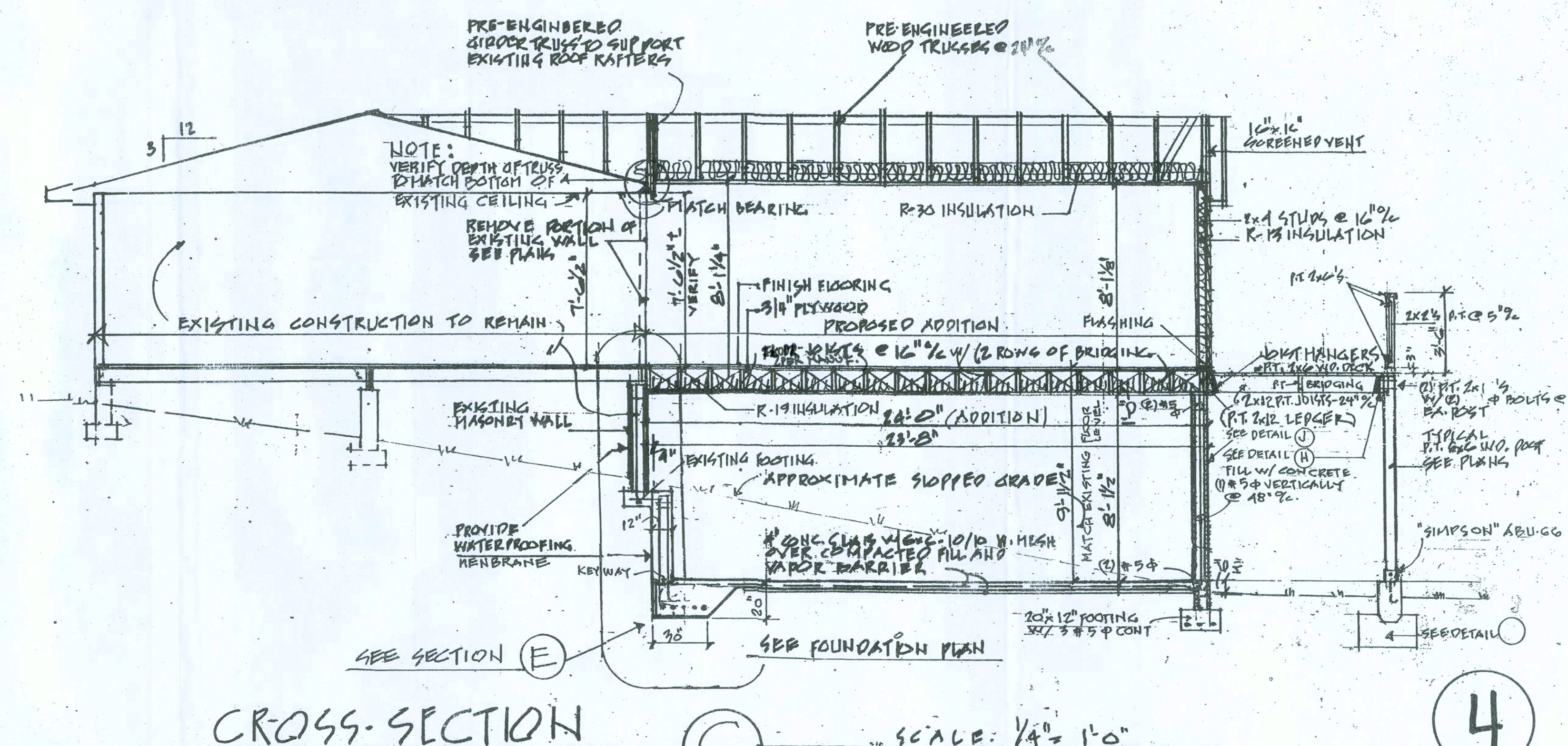
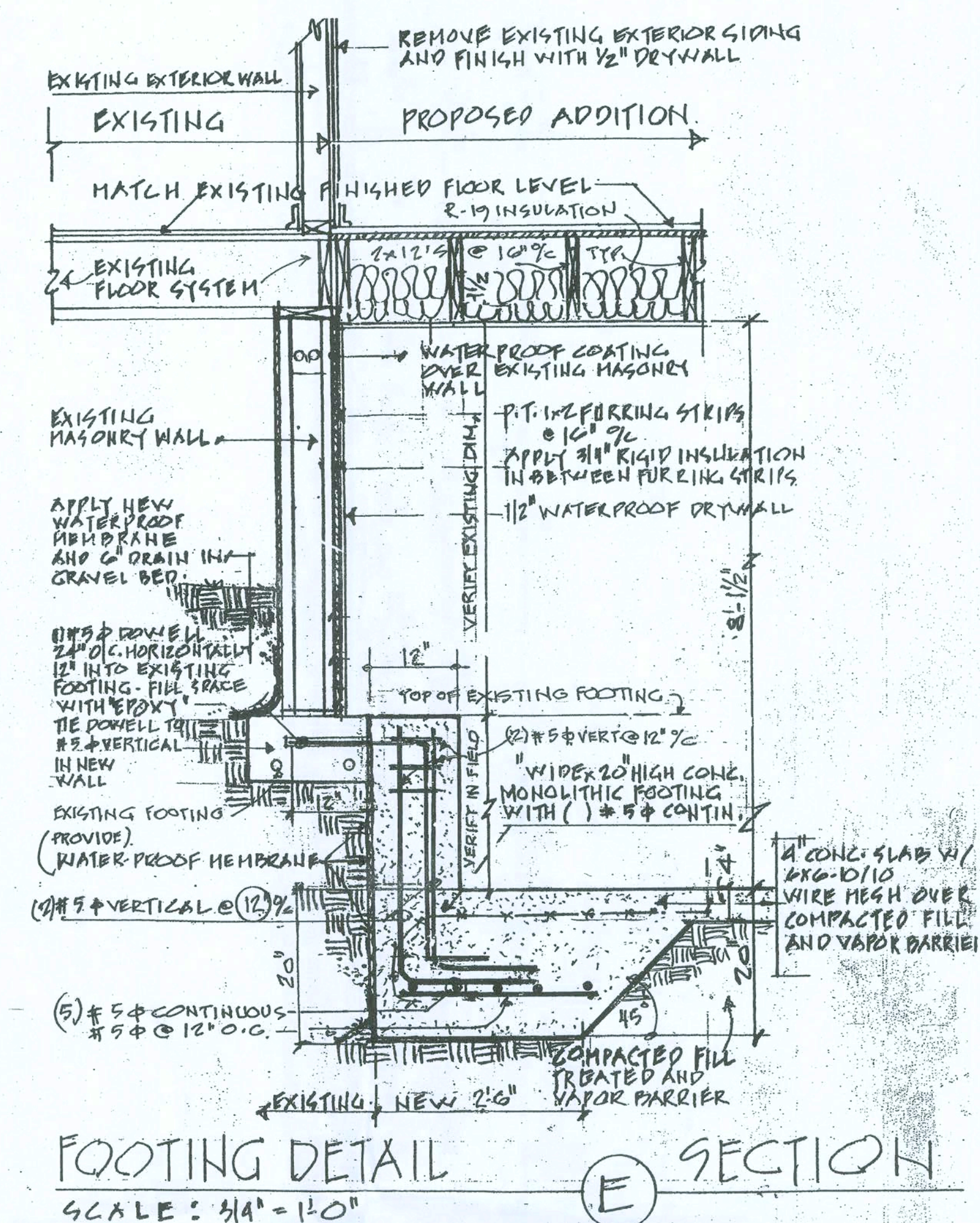
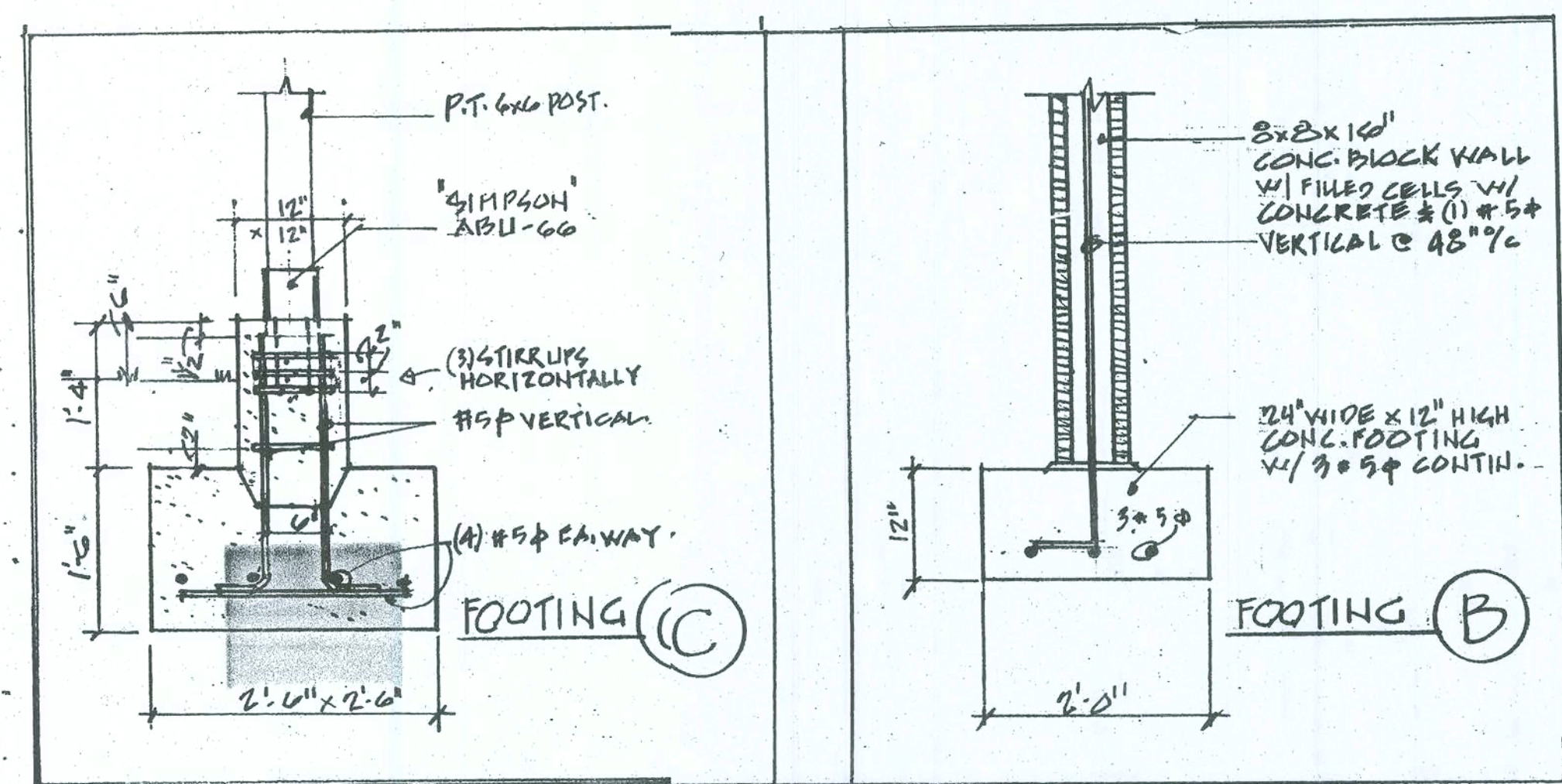
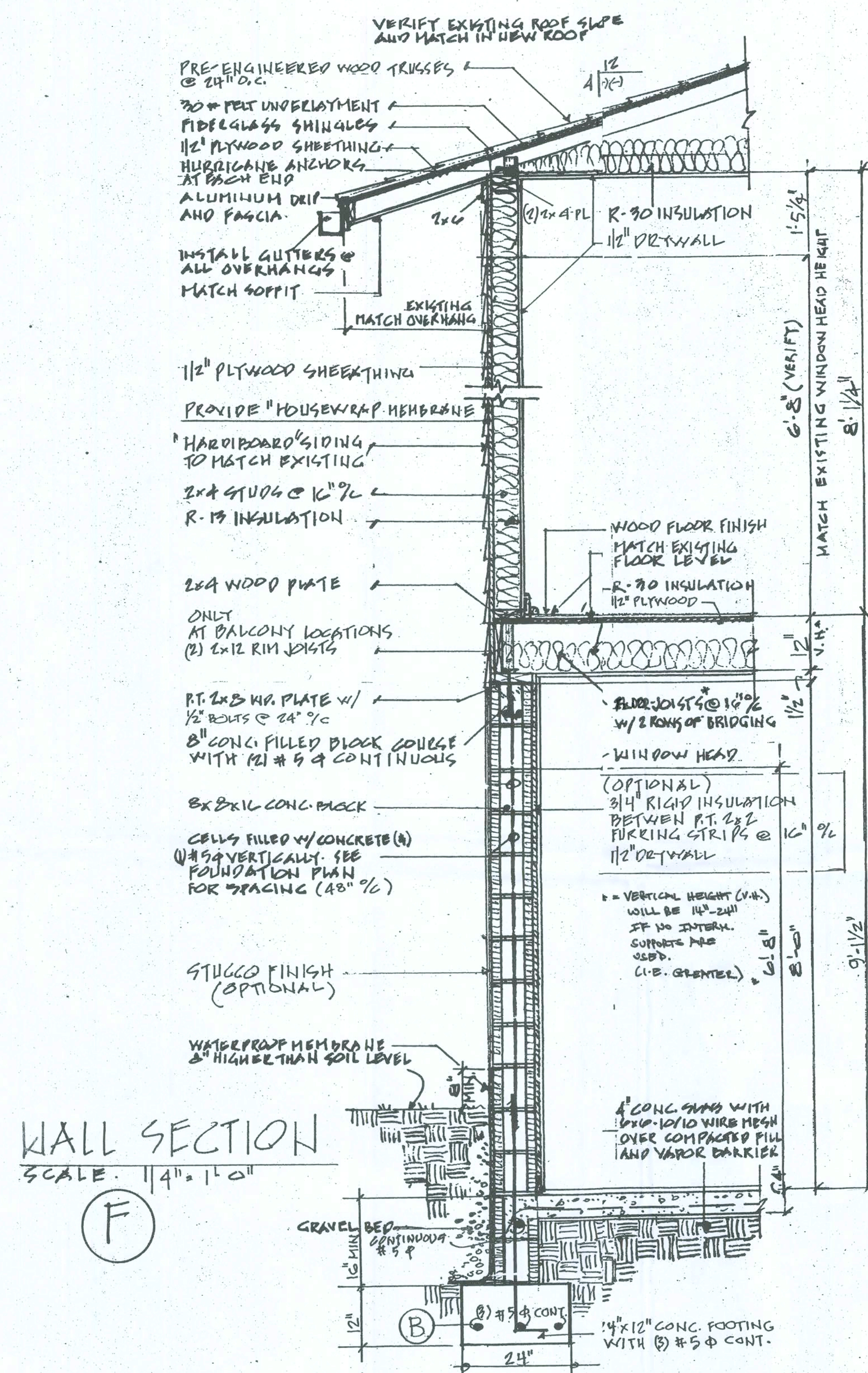
ADDITIONS AND ALTERATIONS TO:  
THE SHORT RESIDENCE: 108 S.W. BARNETT LANE  
LAKE CITY - FLORIDA.

FILE NO: 0810  
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12-166-08  
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 - STRUCTURAL REVIEW -







