PRE-ENGINEERED WOOD TRUSSES

A. WOOD TRUSSES SHALL BE FABRICATED BY AN AUTHORIZED ALPINE TRUSS MANUFACTURER. TRUSS DESIGNS CONFORMING WITH DESIGN LOAD AND DEFLECTION CRITERIA CONTAINED IN THESE SPECIFICATIONS SHALL BE SUBMITTED FOR APPROVAL BEFORE FABRICATION, AND SHALL BE PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

B. TRUSS DESIGN DRAWINGS SHALL INCLUDE AS MINIMUM INFORMATION:

1. SPAN, DEPTH OR SLOPE AND SPACING OF THE TRUSSES.
2. MINIMUM BEARING WIDTH AS CONTROLLED BY Fc OF LUMBER IN TRUSS THAT CONTACTS BEARING
3. DESIGN DEAD AND LIVE UNIFORM LOADS AND ANY CONCENTRATED LOADS AND THEIR POINT OF APPLICATION
4. ADJUSTMENT TO ALLOWABLE VALUES OF LUMBER AND PLATES FOR CONDITION OF USE
5. REACTIVE FORCES AND THEIR POINTS OF OCCURRENCES
6. CONNECTOR PLATE TYPE, THICKNESS OR GAGE, SIZE AND LOCATION OF PLATE ON EACH JOINT
7. LUMBER SIZE, SPECIES AND GRADE FOR EACH MEMBER
8. LOCATION OF ALL REQUIRED CONTINUOUS LATERAL BRACING

C. TRUSS PLACEMENT DIAGRAMS SHALL BE PREPARED BY THE TRUSS MANUFACTURER AND PRESENTED FOR APPROVAL. THE DIAGRAMS SHALL SHOW ALL TRUSS-TO-TRUSS CONNECTIONS AND THE LOCATION OF ALL CONTINUOUS LATERAL BRACING MEMBERS REQUIRED BY THE TRUSS DESIGNS AND SHALL BE ENCODED TO INDICATE TRUSS DESIGN LOCATIONS ON THE FRAMING PLAN.

D. ALL PRE-ENGINEERED, PREFABRICATED WOOD TRUSSES SHALL BE FASTENED TO THEIR SUPPORTS WITH APPROVED HURRICANE CLIPS OR STRAPS.

E. THE CONTRACTOR SHALL INSTALL HURRICANE CLIPS OR STRAPS FOR THE UPLIFT FORCES SHOWN ON THE TRUSS DESIGN CALCULATIONS/SHOP DRAWINGS.

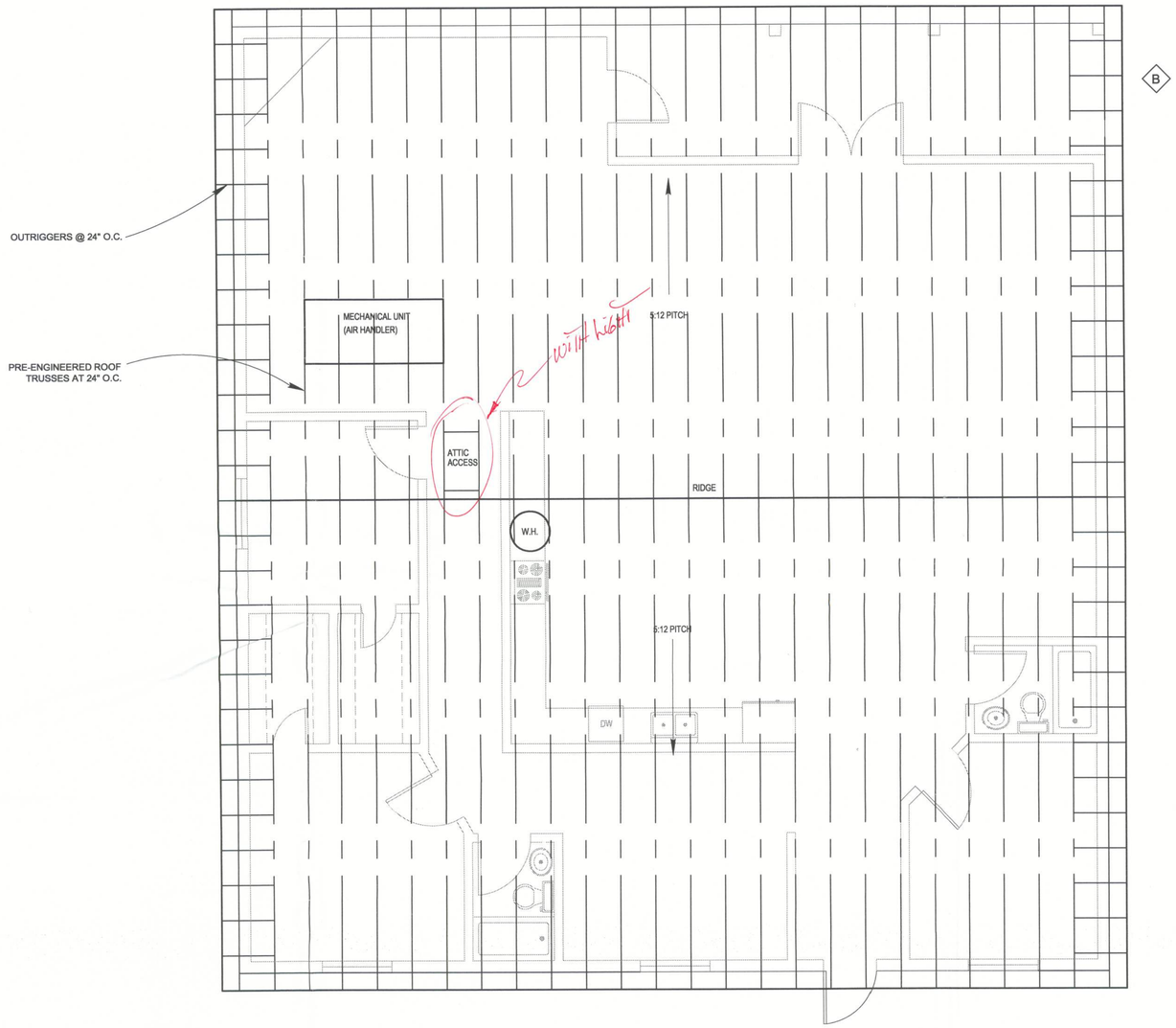
F. TRUSSES SHALL BE DESIGNED SO THAT NO HORIZONTAL REACTIONS ARE IMPOSED ON THE SUPPORTING STRUCTURE UNDER VERTICAL LOADS. THE TOP CHORD MEMBERS OF ROOF TRUSSES SHALL BE FABRICATED FROM A GROUP II (OR BETTER) WOOD SPECIES.

G. DESIGN STANDARDS SHALL CONFORM WITH THE APPLICABLE PROVISIONS OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", PUBLISHED BY THE AMERICAN FOREST AND PAPER ASSOCIATION, AND THE "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES", PUBLISHED BY THE TRUSS PLATE INSTITUTE.

H. ALL CONNECTOR PLATES SHALL BE A MINIMUM THICKNESS OF 0.036" AND SHALL BE MANUFACTURED FROM STEEL MEETING THE REQUIREMENTS OF ASTM A446 GRADE A OR A HIGHER GRADE WHEN REQUIRED BY TRUSS DESIGN, AND SHALL BE HOT DIPPED GALVANIZED ACCORDING TO ASTM A525, COATING DESIGNATION G90.

I. QUALITY CONTROL - LUMBER CHARACTERISTICS SUCH AS WANE OR KNOTS OCCURRING IN THE CONNECTOR PLATE AREA MUST NOT AFFECT MORE THAN 10 PERCENT OF REQUIRED PLATE AREA OR NUMBER OF EFFECTIVE TEETH REQUIRED FOR EACH TRUSS MEMBER. CONNECTOR PLATES SHALL BE APPLIED TO BOTH FACES OF TRUSS AT EACH JOINT AND SHOULD PROVIDE FIRM, EVEN CONTACT BETWEEN THE PLATE AND THE WOOD. ALL WOOD MEMBERS SHALL BE ACCURATELY CUT AND FABRICATED SO THAT ALL TRUSS UNITS ARE UNIFORM. SEE TRUSS PLATE INSTITUTE "QUALITY STANDARD FOR METAL PLATE CONNECTED WOOD TRUSSES QST-88" FOR TOLERANCE AND OTHER SPECIAL REQUIREMENTS.

J. BRACING AND ANCHORAGE - ALL TRUSSES MUST BE SECURELY BRACED AND ANCHORED BOTH DURING ERECTION AND AFTER PERMANENT INSTALLATION IN ACCORDANCE WITH "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES" (HIB-91) AS PUBLISHED BY THE TRUSS PLATE INSTITUTE. ERECTION BRACING SHALL HOLD TRUSSES STRAIGHT AND PLUMB AND IN SAFE CONDITION UNTIL DECKING AND PERMANENT TRUSS BRACING HAS BEEN FASTENED FORMING A STRUCTURALLY SOUND FRAMING SYSTEM. ALL ERECTION AND PERMANENT BRACING SHALL BE INSTALLED AND ALL TRUSSES PERMANENTLY FASTENED BEFORE APPLICATION OF ANY LOADS. MATERIALS USED IN BRACING ARE TO BE FURNISHED BY THE ERECTION CONTRACTOR . UNLESS NOTED OTHERWISE. SAFE ERECTION OF THE TRUSSES IS THE RESPONSIBILITY OF THE BUILDING CONTRACTOR.



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

PREPARED FOR:

MR. AND MRS. ROBERT LEFFLER

430 NW MILO TERRACE
LAKE CITY, FL
32055

STATE OF FLORIDA
ROBERT J. WHITCOMB
AR0094537
REGISTERED ARCHITECT

Mark	Date	Description
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Contract For:	SINGLE FAMILY RESIDENCE
Released For:	CONSTRUCTION
Owner Project No.:	
CAD File Name:	
Drawn By:	AA
Checked By:	RW
Plot Date:	---
Bidding Issue Date:	12/12/09

Sheet Contents:

STRUCTURAL

1/4"=1'

Drawing No.:

S-01