

12-GENERAL NOTES:

FOUNDATION: FOR POINT LOADS GREATER THAN 5000 lb OR REPETITIVE TRUSS LOADS GREATER THAN 200 LB PER TRUSS PROVIDED A THICKENED SLAB OR PAD FOOTING 1'x0'D x 1 sq ft. FOR EVERY 1000 lb OF BEARING REQUIREMENT WITH #5 @ 6" O.C. EACH WAY

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE $F_c = 3000$ PSI. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SETTABLEITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT BE RELEASED. THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER ON SURFACE. ALL CONCRETE SHALL BE VIBRATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER, OWNER OR HIS REPRESENTATIVE.

WELDED WIRE REINFORCED SLAB: 0'x6'x W14 x W14, F-80SL, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB; SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. WHEN REQUESTED OR SUPPLIER SHALL PROVIDE CERTIFICATE OF COMPLIANCE WITH ASTM C 1116. WHEN REQUESTED BY THE BUILDING OFFICIAL.

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH (1/2 WIDTH) OF SLAB AREAS SHALL NOT EXCEED 15' AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT W/M OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTORS APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCLOSE THE SLAB TO CRACK ON A GIVEN LINE.)

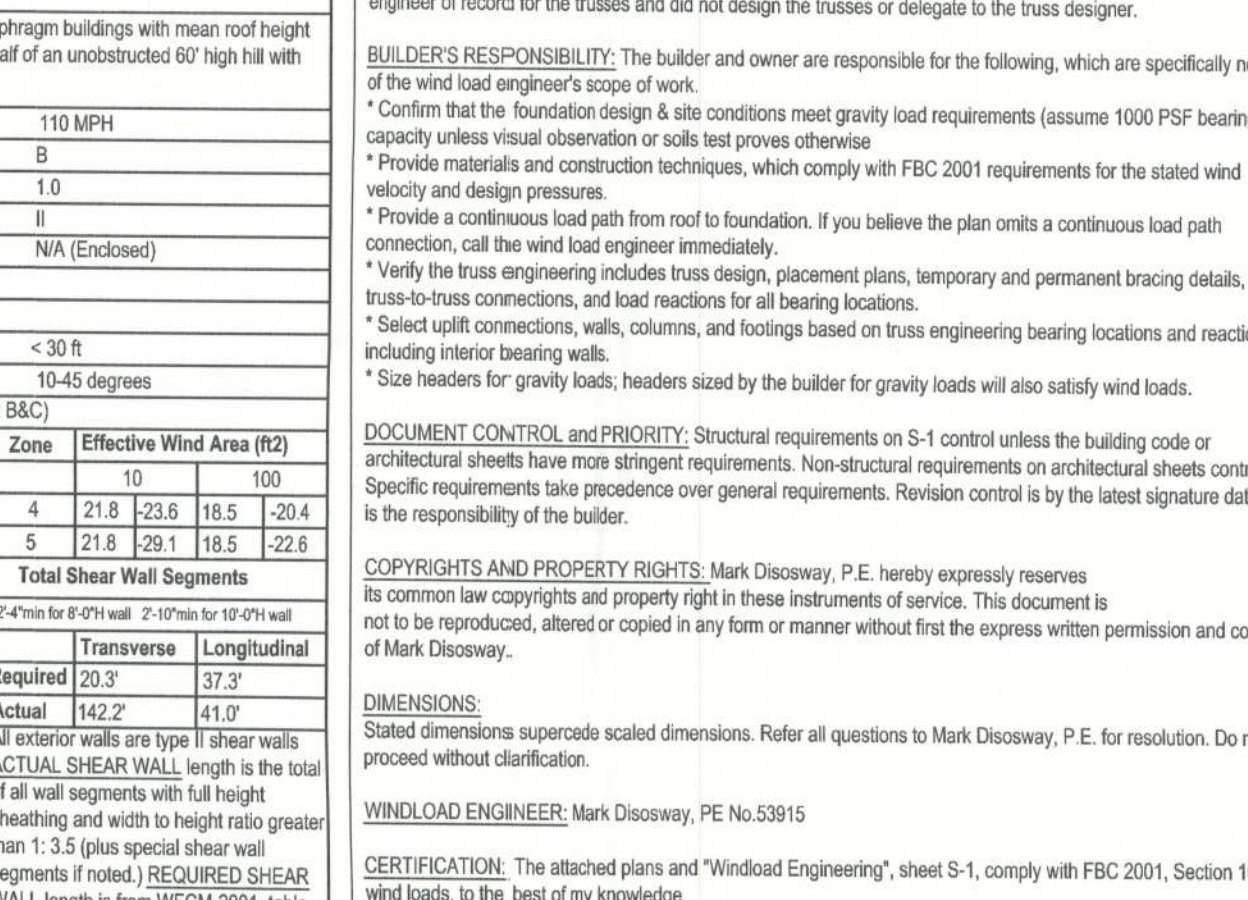
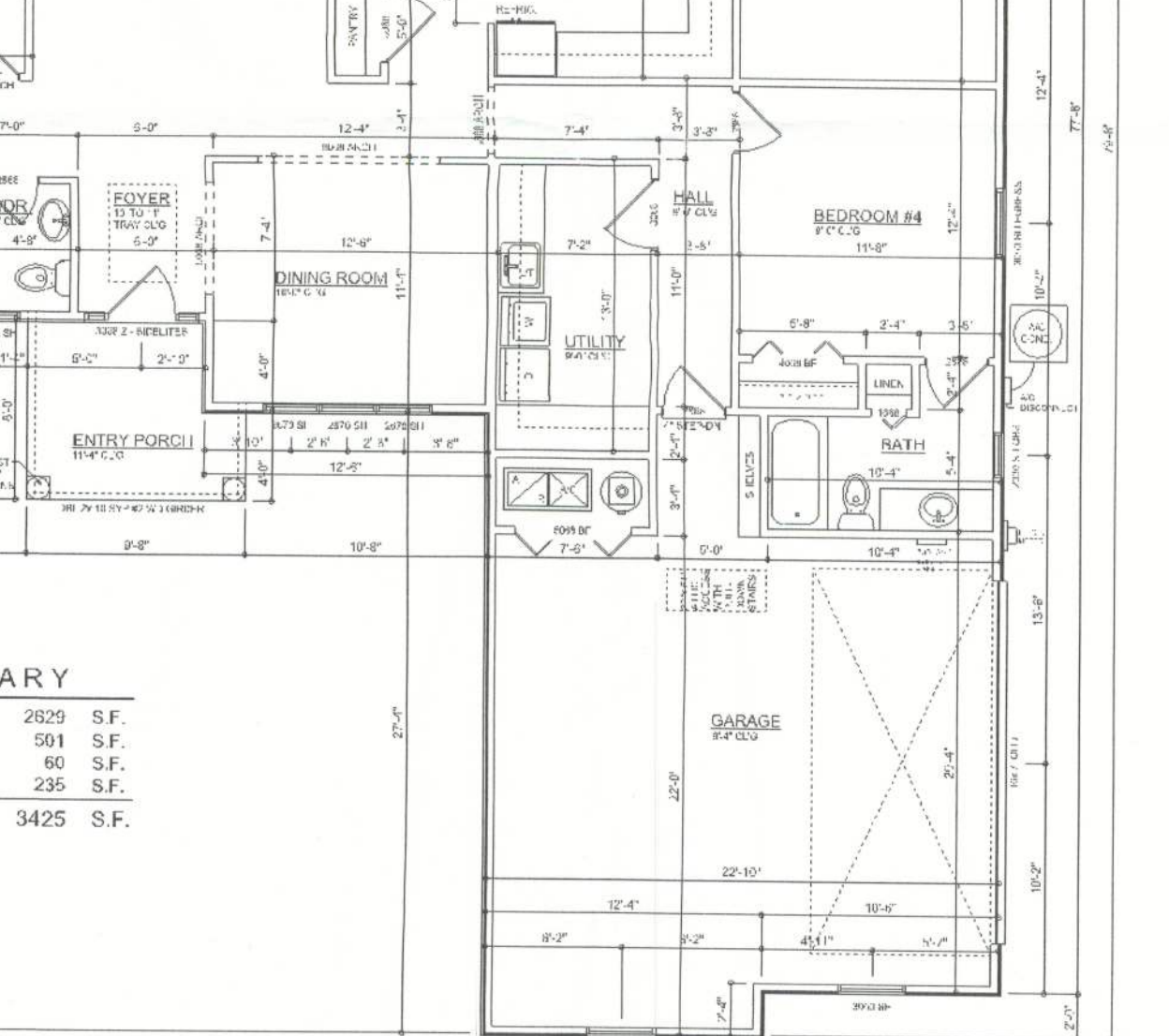
REBAR: ASTM A615, GRADE 40, DEFORMED BARS, $F_y = 40$ KSI. ALL LAPS SPICES 4" @ DB (25' FOR #5 BARS); UNTO 6' REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-95 WITH ACI 315-96 UNLESS NOTED OTHERWISE. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 23 INCHES.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS.

ANCHOR BOLTS: A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NOT LESS THAN 7" IN CONCRETE OR REINFORCED CONCRETE BEAM OR 15" IN GROUTED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 3" x 3/4" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3/4" x 9/64"; WITH 3/4" BOLTS TO BE 3" x 3/4" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3/4" x 5/16"; NO.

NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FPC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.



LIMITATION: This design is valid for one building, at specified location.
This drawing is not valid for construction unless raised seal is affixed.

WINDLOAD ENGINEER'S SUPE OF WORK: The wind load engineer is engineer of record for compliance of construction to altered or copied in FBC 2001, Section 1608. If trusses are used, the wind load engineer is a member of record for the truss design and did not design the trusses or delegate to the truss designer.

BUILDER'S RESPONSIBILITY: The builder and owner are responsible for the following, which are specifically not part of the wind engineer's scope of work.

Confirm that the foundation design and site conditions meet gravity load requirements (assume 1000 PSF bearing capacity unless visual observation or soils test provisions meet).

Provide materials and construction techniques, which comply with FBC 2001 requirements for the stated wind velocity and design pressures.

Provide a continuous load path from roof to foundation. If you believe the plan calls a continuous load path

Verify the truss engineering includes truss design, placement plans, temporary and permanent bracing details, truss-to-truss connections, and load reactions at all bearing locations.

Select cutoff connections, walls, columns, and bolting based on truss engineering bearing locations and reaction calculations interior bearing locations.

Size headers for gravity loads, headers used by the builder for gravity loads will also satisfy wind loads.

DOCUMENT CONTROL AND PRIORITY: Structural requirements on S-1 control unless the building code or architectural drawings have more stringent requirements. Non-structural requirements on architectural sheets are optional.

Specific requirements take precedence over general requirements. Revision control is by the latest signature date of the responsibility of the builder.

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DIMENSIONS:

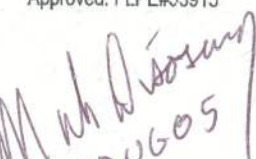
Indicate dimensions supersede scaled dimensions. Refer all questions to Mark Discoway, P.E. for resolution. Do not proceed without clarification.

PROCESS/WINDOW ENGINEER: Mark Discoway, PE No.53915

CERTIFICATION: The attached plans and "Windload Engineering" sheet, S-1, comply with FBC 2001, Section 1603 and the loads, to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

This drawing is not valid for construction unless raised seal is affixed.

REV-27-JUL-04	
<h1 style="margin: 0;">WINDLOAD ENGINEERING</h1> <p style="margin: 5px 0 0 0;">"EVERYTHING YOU NEED FOR YOUR BUILDING PERMIT"</p>	
<h2 style="margin: 0;"><u>Mark Disosway P.E.</u></h2>	
POB 868, Lake City, FL 32056 Phone: (386) 754-5419 Fax: (386) 754-6749 Email: windloadengineer@bellsouth.net	
Location: Lot # 30, Spring Hollow S/D, Columbia County, Florida	
<h1 style="margin: 0;">Spec House</h1> <h2 style="margin: 0;">Lot 30, Spring Hollow S/D</h2>	
Builder: Seth Heitzman	
Designer: Will Myers	
Approved: FLPER3915 	Revisions:
<h2 style="margin: 0;"><u>Sheet S-1 of 1 Sheet</u></h2> <p style="margin: 5px 0 0 0;">Windload Engineering</p>	
<h1 style="margin: 0;">Job # 508291</h1>	
29Aug05	