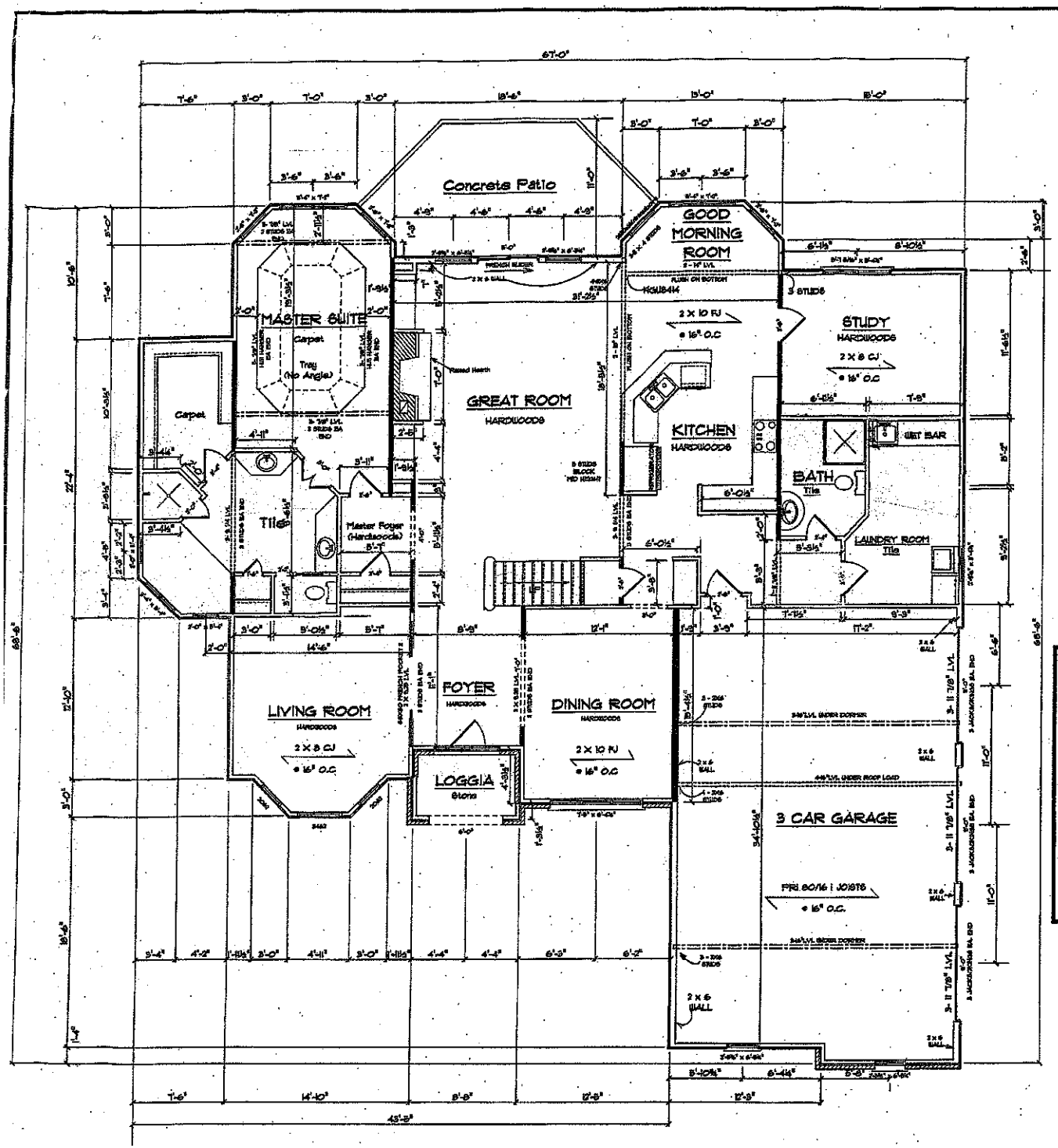


Main Floor Wall Ht 10'	
Main Floor Windows set at 8' (U.O.N.)	
Main Floor Heated Sq Ft	2435
Garage Sq Ftg	825
Rear Concrete Porch SF	218
Second Floor Wall HT 9'	
Second Floor Dormer Ht 8'	
Windows on Second Floor set at 6'8 (U.O.N)	
Second Floor Heated SF	1165
Total Heated Sq Ft.	3600

ENGINEERING NOTES:

1. All structural components not specifically called out are to be sized by the building code.
2. Assumed soil bearing pressure is 2000 psf.
Footing concrete to have a compressive strength of 3000 psi.
3. All engineered lumber LVL's to meet or exceed APA EWS Stress Class 2.0E-2800F= E=2,000,000 psi, Fb=2800 psi, Fv=285 psi, Fc (perp) = 750 psi, and Fc//=2750 psi. 5.5" LVLs may be ripped to 3.25" to match 2 x 10 framing. LVL beams of 3 plies or less and 11.88" depth or less are to be nailed together with 3 rows of 16d Sinkers at 12" on center. Beams of 3-plies or less and 14" to 18" in depth are to be nailed together with 4 rows of 16d Sinkers at 12" on center. Three ply beams are to be nailed from both sides. Four ply beams of all depths are to be bolted together with 2 rows 1/2" diameter bolts at 12" on center staggered. Bolts must be ANSI Grade 5 or higher with a standard washer under the head and nut. Maintain a 2"edge distance on all bolts.
4. All engineered lumber I-joists are to meet the APA EWS performance rating and depth identified on the field of the drawing. I-Joists are identified by FRI-DO/YY. DO is the performance rating. YY is the required depth. Follow the specific I-Joist manufacturer's installation instructions. Adhere to all bracing and blocking requirements. Each floor must be properly braced before proceeding to the next level. The contractor is responsible for insuring that engineered lumber is installed properly.
5. Hangers identified are Simpson Strong Tie connectors.
6. All stud columns to be nailed together with 2 rows of 10d commons at 6" on center.
7. All ridge boards, hips, and valleys are 2x10 SYP#2. All roof rafters are 2 x 8 SPF #2 or greater. All window and door headers to be 2-2x10 SYP#2 unless noted otherwise. All exterior walls to be sheeted with shiplap 7/16"OSB. All roof sheeting to be minimum 1/2" OSB. All window and door headers to be 2-2x10 SYP #2 unless noted otherwise.

ATTENTION

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3 - ALL DIMENSIONS SHOULD BE READ OR CALCULATED, NOT SCALED.
4 - NOT RESPONSIBLE FOR ERRORS DISCOVERED AFTER CONSTRUCTION HAS STARTED.

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

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Helena, MT 59602

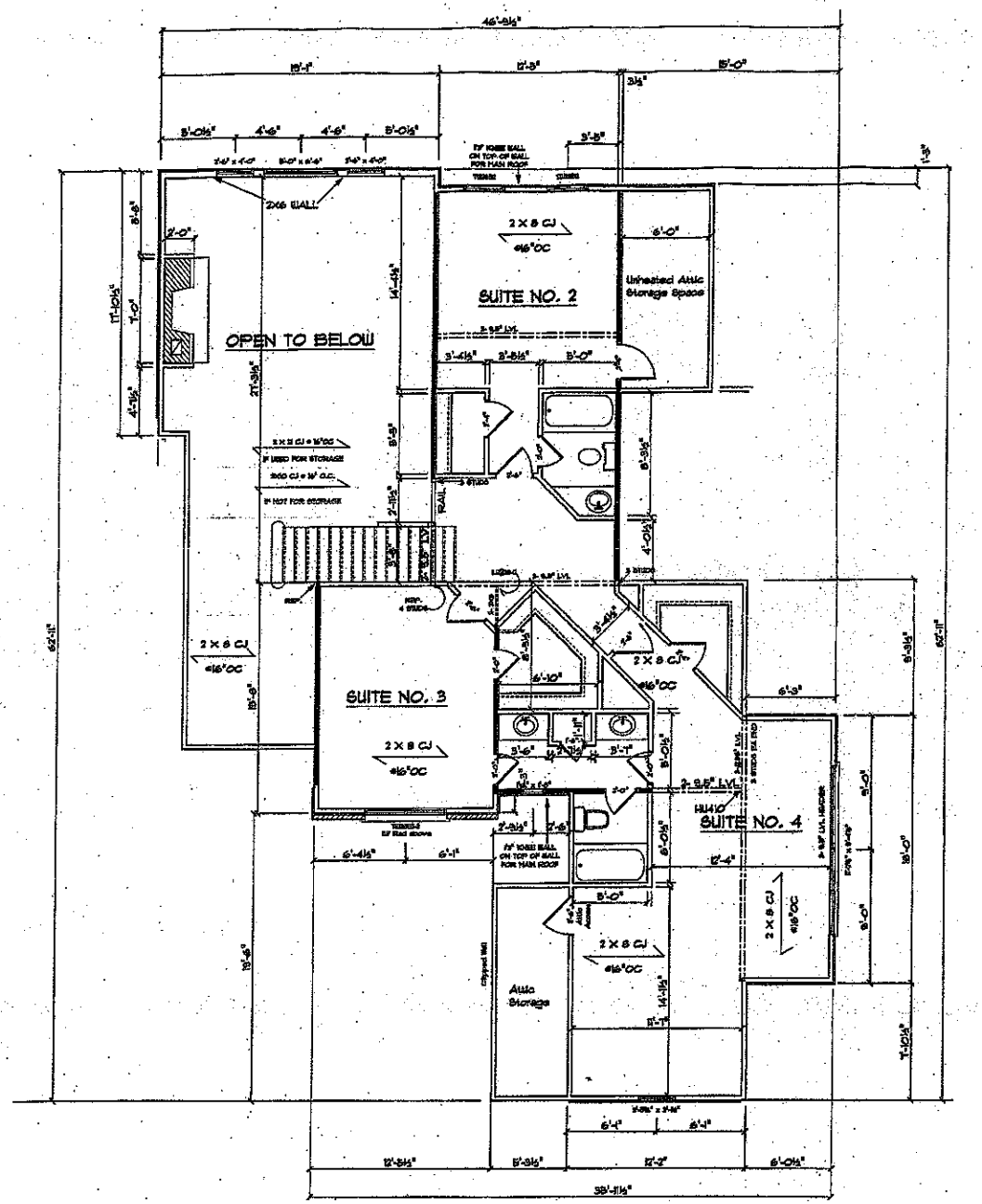
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Lake Norman Signature Homes

DREAMS BY DESIGN
CUSTOM BLUEPRINTS

DRAWN BY: SHAUN WAGNER
REVISIONS: 9-7-2005

SHT



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SEPTEMBER 29, 2005

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Boria Residence. Lot 1

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REVISIONS: 9-7-2006

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