

# Framing Notes

1. DO NOT SUPPORT LOAD FROM ANY COUNTERTOP FLOOR SYSTEM.
2. ALL HEADERS, POIS, AND BEAMS MUST MATCH THESE CONSTRUCTION DOCUMENTS. ALL SUBSTITUTIONS MUST HAVE A CORRESPONDING APPROVAL FROM THE ARCHITECT OR MANUFACTURER. VALLEY BRACING N.C. BEFORE CONSTRUCTION.
3. ALL CONSTRUCTION MUST COMPLY W/ 2006 IRC. ALL EXIST WALLS MUST BE BRICK OR CMU. 4-12" @ 16" O.C. CORNER FOR WIND RESISTANCE. 4-12" @ 16" O.C. CORNER FOR WIND RESISTANCE. 4-12" @ 16" O.C. CORNER FOR WIND RESISTANCE. 4-12" @ 16" O.C. CORNER FOR WIND RESISTANCE.
4. CORNER SHEATHING FOR 4-12" @ 16" O.C. CORNER FOR WIND RESISTANCE. 4-12" @ 16" O.C. CORNER FOR WIND RESISTANCE. 4-12" @ 16" O.C. CORNER FOR WIND RESISTANCE.
5. BRICK Lintel Schedule. PROVIDE MIN. OF 4" BEARING @ E.E.
6. ALL JOIST SHALL HAVE BRACING OR CROSS BRACING AS SHOWN. ALL JOIST SHALL BE BLOWN @ MIN. OF 8" SPACING.
7. REFER TO PLANS FOR ANY STRUCTURAL INFORMATION FIRST. PLANS OVERIDE STANDARD DETAILS AND NOTES DUE TO DIFFERENT LOADING CONDITIONS.
8. ALL RAFTERS AND TRUSSES ARE TO HAVE HARBORNE SHIPS FASTENED TO TOP PLATE OR WALL.
9. ALL PRE-MANUFACTURED FLOOR SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S AND CONSTRUCTION DETAILS.
10. ALL CONVENTIONAL LUMBER SHALL BE A MINIMUM OF 2X4. ALL JOIST SHALL BE 2X8 @ 16" O.C. / E=1000000 psi UNLESS NOTED OTHERWISE.
11. ALL JOISTS & STUDS TO BE QUAD & NAILED W/ 16d NAILS @ 8" O.C.
12. ALL JOISTS & STUDS TO MATCH SIZE & SPACING OF WALL STUDS.
13. ALL WALLS OVER 10'-0" SHALL BE MIN. 2x6 STUDS @ 16" O.C. ALL WALLS W/ 2 FLOORS ABOVE SHALL BE MIN. 2x8 STUD @ 16" O.C. ALL WALLS SHALL CONTAIN BLOCKING BETWEEN STUD BAYS @ MIN SPAC. 6" WALL OVER 9" WALL SHALL CONTAIN 2 BAYS OF BLOCKING.
14. ALL PLUMBING TRAP OR MECHANICAL CHASE LOCATIONS SHALL BE IDENTIFIED TO CONSTRUCTION DOCUMENTS. ALL CHASES SHALL BE PROTECTED PER CODE.
15. PROVIDE SOLID BLOCKING UNDER ALL POSTS ABOVE TO 3000 BEARING.
16. ALL HEADERS MORE THAN 4'-6" IN WIDTH SHALL BE MIN. (2) 2x10 OR (2) 2x12. ALL GIRDERS MORE THAN 5'-6" SHALL BE MIN. (2) 2x12 OR (3) 2x10.
17. ALL L.V.'S SHALL BE MINIMUM OF 2X6 (EXCEPT BRIDGE) PER L.V.'S WITH THE FOLLOWING PROPERTIES:  
 RA = 3100 PSI / F<sub>y</sub> = 240 PSI / E<sub>comp</sub> = 290 PSI / E = 2100000 PSI.  
 EQUIVALENT PRODUCTS ACCEPTABLE.

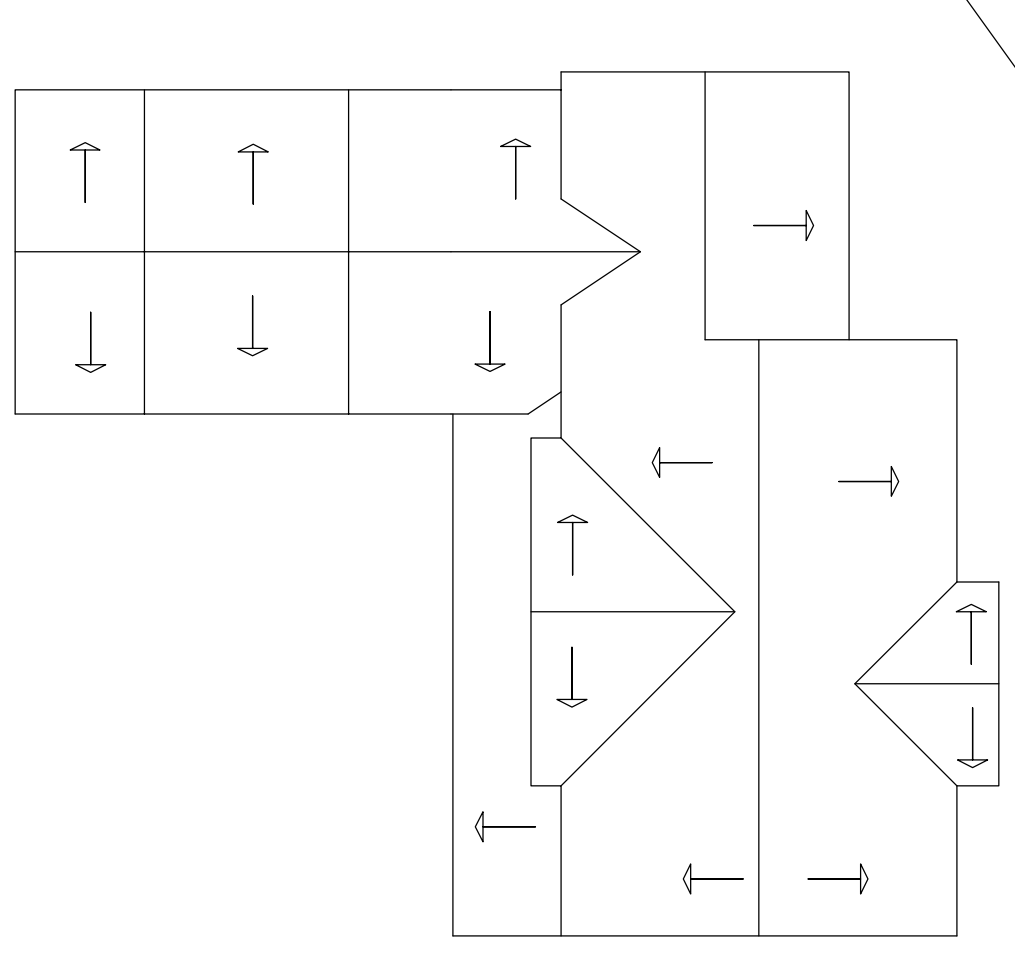
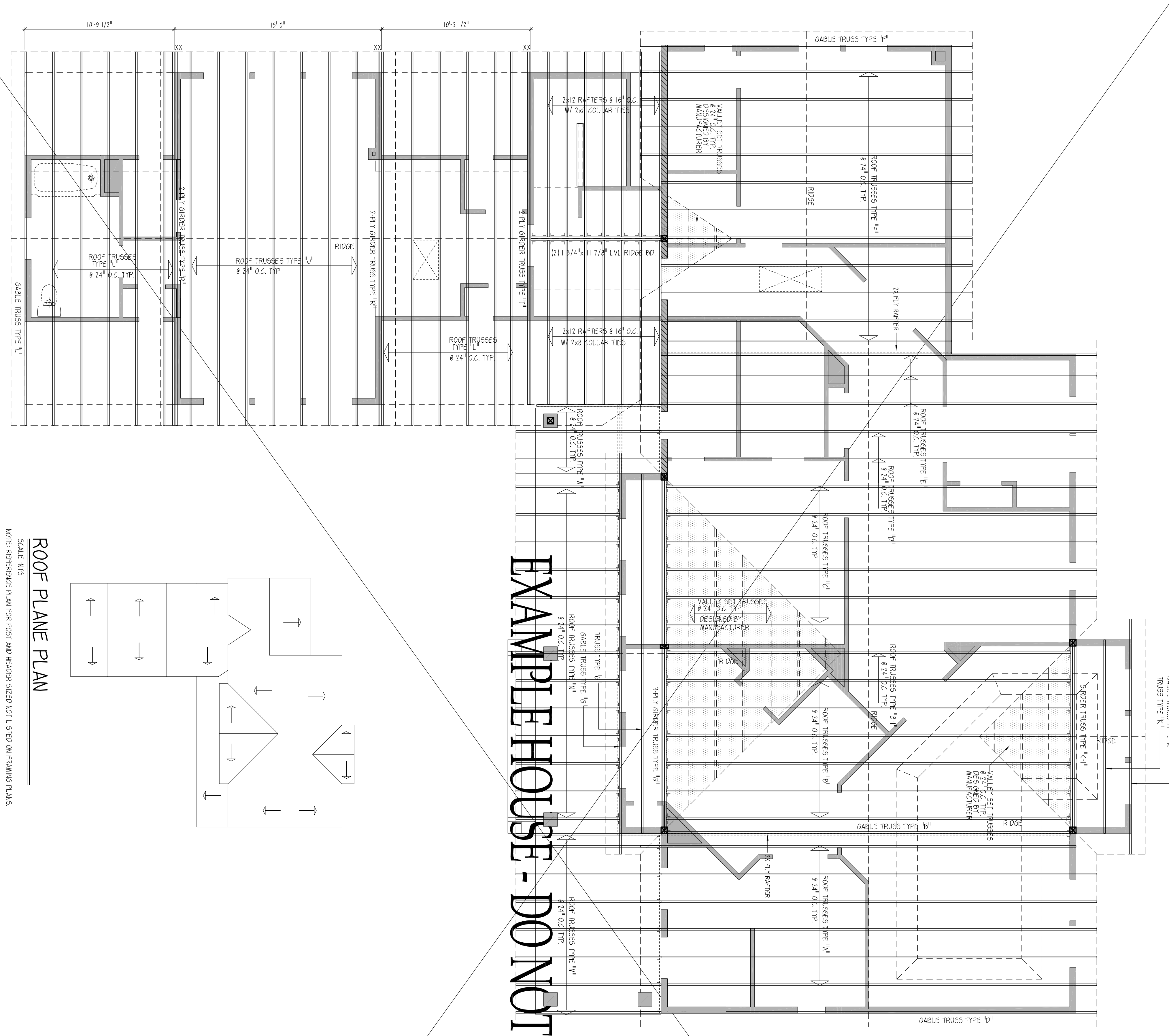
Light Load (Not to Exceed)	Fastener (Simpson or Equal)	to rafters	to plates
100 lbs.	2-16d toe nails - per code		
340 lbs.	5-8d		5-8d
680 lbs.	(2) 1/2"	10-8d	10-8d
800 lbs.	1/2"	12-10d	12-10d
1250 lbs.	(2) 1/2"	16-8d X 1-1/2"	16-8d X 1-1/2"
1480 lbs.	(2) 1/2"	10 WALL FRAMING	10 BRASS
1640 lbs.	(2) 1/2"	14-10d	14-10d
2900 lbs.	(2) 1/2"	28-10d	8-10d X 1-1/2"

\* Loads Modified for space frame framing method

## Roof Truss Notes

1. TRUSS TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH IRC & ASCE 7. STANDARD CALCULATIONS, SAME SPACING INFORMATION (SPAN, RISE, PITCH, ETC.) SHALL BE PROVIDED TO THE MANUFACTURER. DISTANCE, ALLOWED AND DISTANCE LOAD TEST DATA AND OTHER INFORMATION AS NECESSARY SHALL BE SUBMITTED TO LOCAL AUTHORITIES FOR APPROVAL PRIOR TO FABRICATION. EACH TRUSS SHALL BE SEALED AT BEARING WITH ONE TIE OR EQUIVALENT FRAMING ANCHOR AT EACH END.
2. TRUSS DIAGRAMS SHOW DESIGN INTENT ONLY. TRUSS MANUFACTURER TO VERIFY ALL SPANS, DIMENSIONS, HEAD HEIGHTS, PITCHES, ETC. TRUSS SHIP DRAWINGS INDICATING CALCULATIONS, LOADING, LOAD TEST DATA, HORIZONTAL THRUSTS AND ANY OTHER INFORMATION REQUIRED SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE JURISDICTION WHERE CONSTRUCTION IS TO BE DONE.
3. TRUSS TRUSSES, MANUFACTURER TO CALCULATE HORIZONTAL THRUST WITH TRUSSES SUBJECTED TO DESIGN LOADS AND TO INCLUDE THIS INFORMATION WITH SHIP DRAWINGS.
4. EACH TRUSS TO BE SEALED AT ONE END WITH A TIE OR EQUIVALENT FRAMING ANCHOR AND AT THE OTHER END TO BE TIED TO THE TRUSS WHILE PERMITTING THE TRUSS TO MOVE OUTWARD WITHOUT BUCKLING THE WALL.

EXAMPLE HOUSE - DO NOT COPY



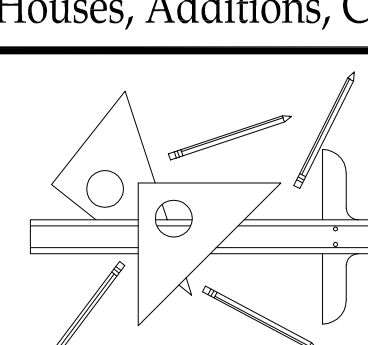
ROOF PLANE PLAN

SCALE: NTS  
NOTE: REFERENCE PLAN FOR POST AND HEADER SIZED NOT LISTED ON FRAMING PLANS

ROOF FRAMING PLAN

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

REVISIONS
DATE: / /
NOTES:
PREPARED BY:
DATE:
NOTES:
PREPARED BY:
DATE:
NOTES:



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the Smith Residence  
 ROOF FRAMING PLAN

DRAWN BY: KY  
 DATE: 6/11/08  
 FILE NAME:  
 CLIENT:  
 NOTES:

SHEET 7.00