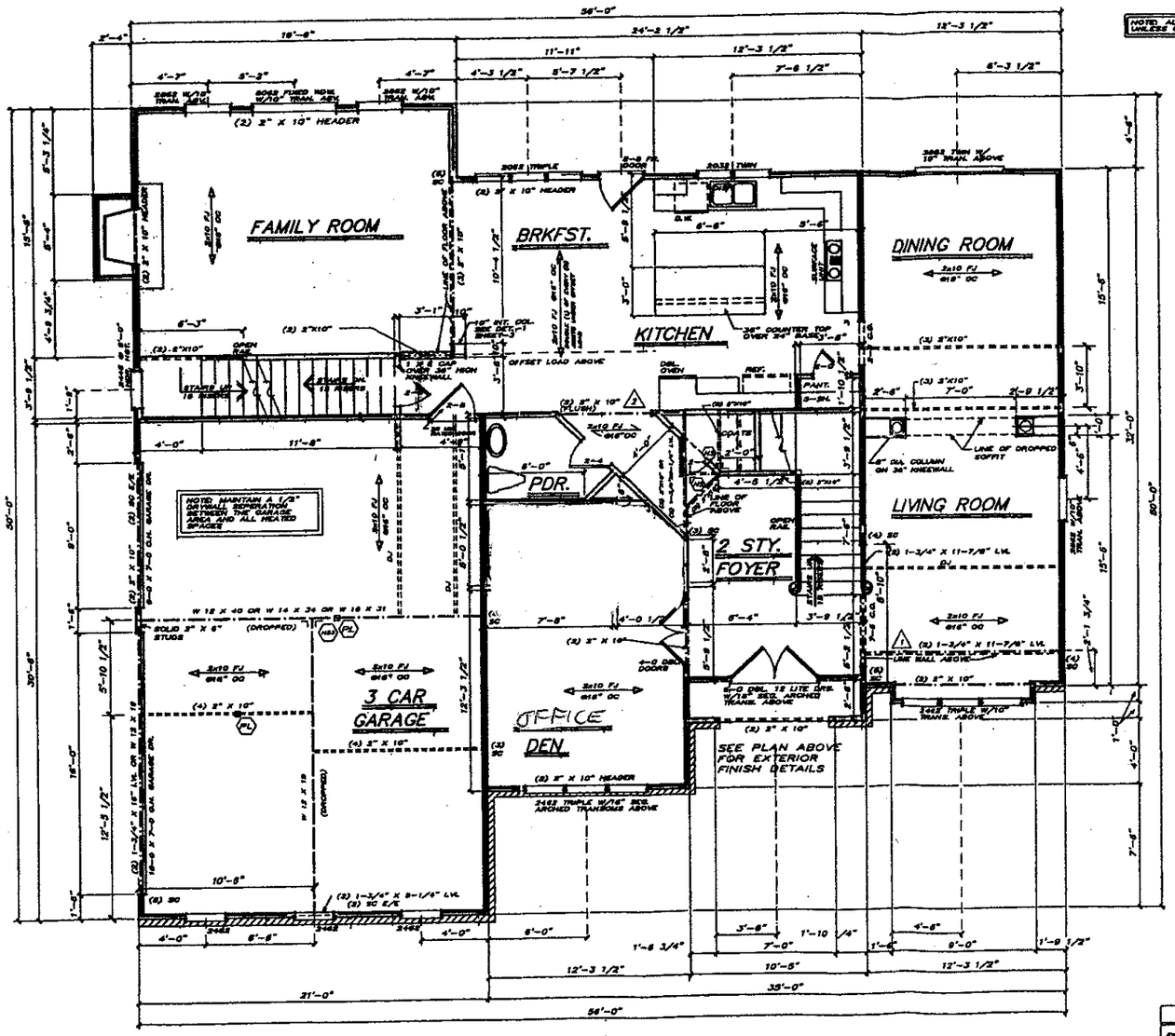
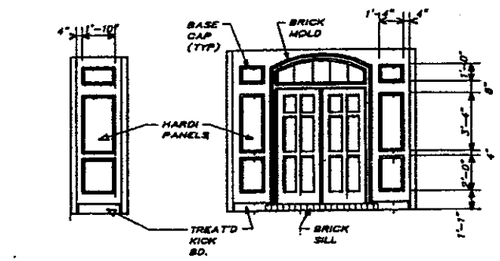
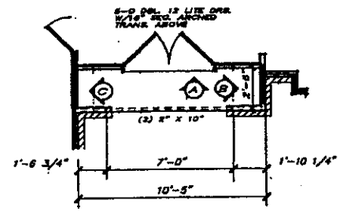
← 14' & 36' Deck →
Proposed



FIRST FLOOR W/BONUS
1/4" = 1'-0"



SECTION ~"B"
SECTION ~"A"
SECTION ~"C"



PARTIAL PLAN @ FRONT DOOR

Acknowledgement of Plans Submittal ONLY
Date 3/2/05
Date 3/3/05

GENERAL ENGINEERING NOTES

1 CONSTRUCTION TO BE PER VOL. VII OF THE NORTH CAROLINA STATE BUILDING CODE LATEST EDITION. THESE PLANS HAVE BEEN SEALED PER THE 1996 EDITION WITH 2000 REGIONAL. THE ENGINEER IS NOT RESPONSIBLE FOR CHANGES IN THE CODE OR THE MANUFACTURED SPECIFICATIONS MADE AFTER THE SEAL DATE. ITEMS NOT ADDRESSED BY THE PLANS TO BE CONSTRUCTED PER THE REQUIREMENTS OF THE CODE.
2 BEAMS AND LUMBER TO BE #2 S-P-F OR EQUAL UNLESS OTHERWISE NOTED. ALL LOAD BEARING EXTERIOR AND INTERIOR HEADERS TO BE (2)-2"X10" U.O.N.
3 ALL STEEL I BEAM AND PLATE OR PLATE BEAMS TO BE PER ASTM A36 WITH ALL STEEL TUBE OR PIPE PER ASTM A53. STEEL BOLTS AND NUTS TO BE PER ASTM A307. MINIMUM BEAM BEARING LENGTH TO BE 3-1/2" FULL WIDTH MINIMUM STEEL COLUMN HEIGHT TO BE 12" U.O.N.
4 ALL BEAM SUPPORT COLUMNS TO BE A MINIMUM OF TWO (2) 2X4 STUDS OR AS SPECIFIED ON THE DRAWINGS AND TO BE CONTINUOUS DOWN TO THE FOUNDATION OR SUPPORT BEAM BELOW INCLUDING BLOCKING IN THE FLOOR/FOUNDATION AREA UNLESS SPECIFIED NO.1 IN THE SILL BAND AREA. MINIMUM BEARING LENGTH TO BE 1-1/2" FULL WIDTH FOR WOOD OR AS NOTED WITH MINIMUM STEEL. MINIMUM STUD HEIGHT TO BE 12" U.O.N. NAIL TWO COLUMNS TO BE NAILED TOGETHER WITH TWO (2) VERTICAL ROWS OF 16d NAILS @ 12" O.C. STAGGERED BETWEEN ALL ADJACENT MEMBERS.
5 ALL BEAM-TO-BEAM AND BEAM-TO-JOIST CONNECTIONS TO BE WITH FACE MOUNT, FULL HEIGHT HANGERS WITH NO LEDGERS TO BE ALLOWED EXCEPT FOR SINGLE AND DOUBLE JOIST CONNECTIONS AND WHEN SPECIFIED. IN NO CASE MAY LEDGERS BE USED TO CONNECT JOISTS SUPPORTING OFFSET LOAD TO BEAMS OR WALLS.
6 DESIGN LOADS:
DWELLING UNITS, STAIRS, DECKS - 10# DL, 40# LL
SLEEPING ROOMS & ATTICS WITH FIXED STAIRS - 10# DL, 30# LL
ATTIC STORAGE - 10# DL, 20# LL
ATTIC NO STORAGE, ROOF PITCH 3/12 OR LESS - 10# DL, 10# LL
RAFTERS - 10# DL, 20# LL
7 DESIGN VALUES FOR LAMINATED VENEER LUMBER (LVL) TO BE:
F_b = 2600 PSI
F_v = 285 PSI
E = 1900000 PSI
WIND LOAD - 90 MPH
8 INSTALL ALL MATERIALS PER THE REQUIREMENTS OF THE MANUFACTURER. DIMENSIONAL AND CONSTRUCTION DETAILS ARE NOT THE RESPONSIBILITY OF THE ENGINEER.
9 THE ENGINEER'S SEAL IS OFFERED AS A LICENSE TO THE ORIGINAL PURCHASER ONLY AND IS NOT TRANSFERABLE TO OTHER USERS. THESE NOTES APPLY TO ALL SHEETS OF THE DRAWINGS.

BEAMS HAVE BEEN SIZED FOR CONTINUOUS (INTERMEDIATE) SPAN JOIST LOADING AND ARE SUITABLE FOR I-JOIST FRAMING SPECIFIED BY OTHERS.

SQUARE FOOTAGE	
FIRST FLOOR	1583 SQ. FT.
SECOND FLOOR	1632 SQ. FT.
TOTAL	3215 SQ. FT.

HS SIMPSON #LUS210-3 HANGER
HHU SIMPSON #HHU26 HANGER
1 HANGER FOR FLUSH HEIGHT TO BE STRONG SIMPSON #HGUS26 (ONE WRAPS OVER FLUSH FLOOR) ALMARC. NAILS: 8d IN 16d NAILS
2 FLOOR JOISTS SUPPORTING OFFSET LOADS ARE ATTACHED TO BEAMS TO BE ATTACHED WITH HANGERS ONLY!

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 7239 JAMES L. PIFER
STRUCTURAL ONLY
FILE #4747-07B
PO BOX 98062
RALEIGH, NC 27624
(919) 878-5708

WILSHIRE
FIRST FLOOR W/ BONUS ROOM

JAMES L. PIFER, P.E.
RESIDENTIAL STRUCTURAL ENGINEERING
P.O. BOX 98062
RALEIGH, NC 27624
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SHEET 3