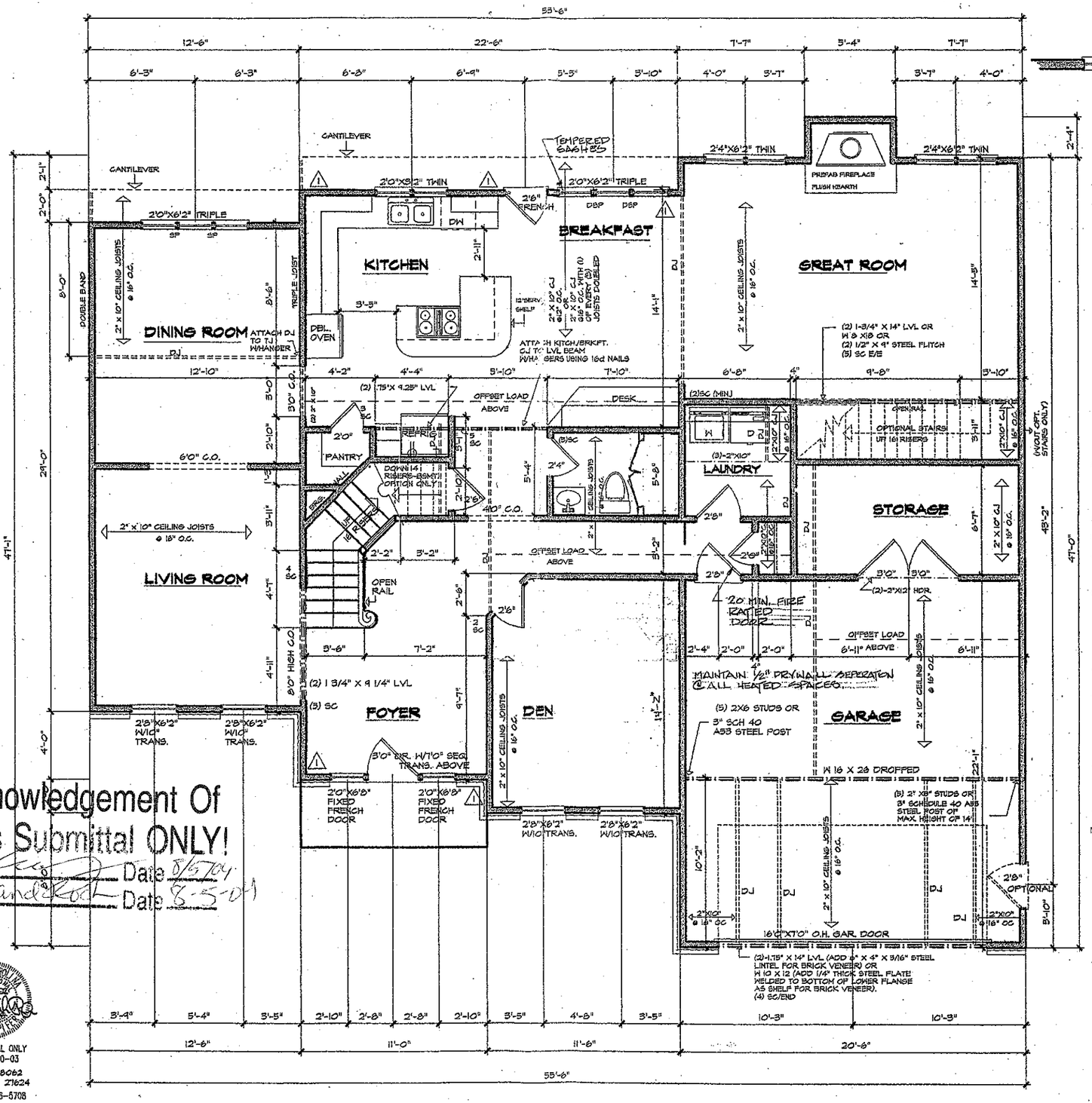
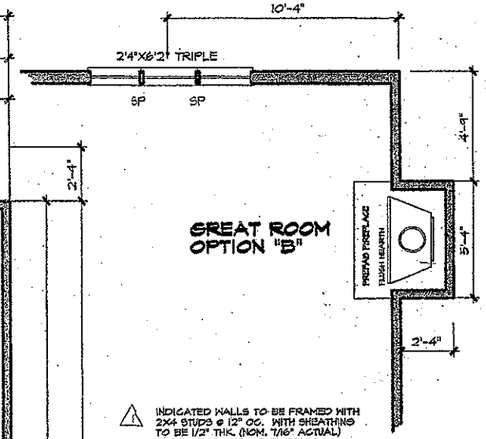



△ INDICATED WALLS TO BE FRAMED WITH 2X4 STUDS @ 12" OC. WITH SHEATHING TO BE 1/2" THK. (NOM. 7/16" ACTUAL) STRUCTURAL OSB OR PLYWOOD.

## GENERAL ENGINEERING NOTES

1) CONSTRUCTION TO BE PER VOL. VII OF THE NC STATE BUILDING CODE, LATEST EDITION. THESE PLANS HAVE BEEN SEALED PER 1997 EDITION. LATER EDITIONS OF THE CODE SHALL SUPERSEDE THE 1997 EDITION PER THE EFFECTIVE DATE AS PRESCRIBED BY THE NC BUILDING CODE COUNCIL. ENGINEER NOT RESPONSIBLE FOR CHANGES IN CODE OR MANUFACTURER'S SPECIFICATIONS MADE AFTER SEAL DATE.
2) FRAMING LUMBER TO BE #2 S-P-F OR EQUAL UNLESS OTHERWISE NOTED (U.O.N.).
3) ALL LOAD BEARING EXTERIOR AND INTERIOR HEADERS TO BE (2) - 2" X 10" U.O.N.
4) ALL STEEL I-BEAM AND FLITCH PLATES TO BE PER ASTM A36 WITH STEEL POSTS TO BE PER ASTM A595. STEEL BOLTS TO BE PER ASTM A307. MINIMUM BEAM BEARING LENGTH FOR STEEL BEAMS TO BE 3-1/2" FULL WIDTH. MAXIMUM STEEL COLUMN HEIGHT TO BE 10' U.O.N.
5) ALL BEAM SUPPORT COLUMNS TO BE A MINIMUM OF TWO (2) - 2" X 4" STUDS OR AS SPECIFIED ON THE DRAWINGS AND TO BE CONTINIOUS DOWN TO THE FOUNDATION OR SUPPORT BEAM BELOW INCLUDING BLOCKING IN THE FLOOR/FOUNDATION AREA OVER GIRDERS AND IN THE SILL/BAND AREA. MINIMUM BEAM BEARING LENGTH TO BE 1-1/2" FULL WIDTH (FOR WOOD) WITH MAXIMUM STUD HEIGHT (FOR COLUMNS) TO BE 10' 0". BUILT UP COLUMNS TO BE NAILED TOGETHER WITH TWO (2) VERTICAL ROWS OF 16D NAILS @ 12" O.C. (STAGGERED) BETWEEN ALL ADJACENT MEMBERS.
6) ALL BEAM-TO-BEAM AND BEAM/JOIST-TO-JOIST CONNECTIONS TO BE WITH FACE MOUNT, FULL HEIGHT HANGERS (U.O.N.) WITH NO LEDGERS ALLOWED EXCEPT FOR SINGLE JOISTS CONNECTION.
7) DESIGN LOADS:
DWELLING UNITS - 10# DL, 40# LL
SLEEPING ROOMS & ATTICS
W/ FIXED STAIRS - 10# DL, 30# LL
ATTIC (STORAGE) - 10# DL, 20# LL
ATTIC (NO STORAGE) - 10# DL, 10# LL
RAFTERS - 10# DL, 20# LL
8) DESIGN VALUES FOR LAMINATED VENEER LUMBER TO BE:
FB = 2600 PSI
FV = 285 PSI
E = 1900000 PSI
WIND LOAD - 90 MPH
9) DIMENSIONAL AND CONSTRUCTION ERRORS ARE NOT THE RESPONSIBILITY OF THE ENGINEER.
10) ENGINEER'S SEAL OFFERED AS A LICENSE TO ORIGINAL PURCHASER OF PLANS ONLY. THESE NOTES APPLY TO ALL SHEETS OF THE DRAWING.

## FIRST FLOOR PLAN "B" (1-STORY GREAT ROOM)

SCALE 1/4" = 1'-0"

| SQUARE FOOTAGE | | | |
|---|---|---|---|
| STANDARD | | W/BONUS ROOM "B" | |
| FIRST FLOOR | = 1602 | FIRST FLOOR | = 1602 |
| SECOND FLOOR | = 1542 | SECOND FLOOR | = 1625 |
| TOTAL | = 3144 | TOTAL | = 3227 |
| BONUS ROOM "A" | = 310 | BONUS ROOM "B" | = 280 |
| TOTAL W/BONUS | = 3454 | TOTAL W/BONUS | = 3507 |
| GARAGE | = 454 | GARAGE | = 454 |
| STORAGE | = 98 | STORAGE | = 98 |

Acknowledgement Of Plans Submittal ONLY!
Date 5/5/04
Date 8-5-04

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 7238 STEVEN E. WELCH
STRUCTURAL ONLY
FILE #4500-03
PO BOX 98062
RALEIGH, NC 27624
(919) 876-5708

"The Pearson" ELEVATION I & II

ST. LAWRENCE HOMES

HAYNES & WELCH, INC.
RESIDENTIAL DESIGNERS
9629 FALLS OF NEUSE RD., SUITE 111 RALEIGH, NORTH CAROLINA 27615 919-847-0026

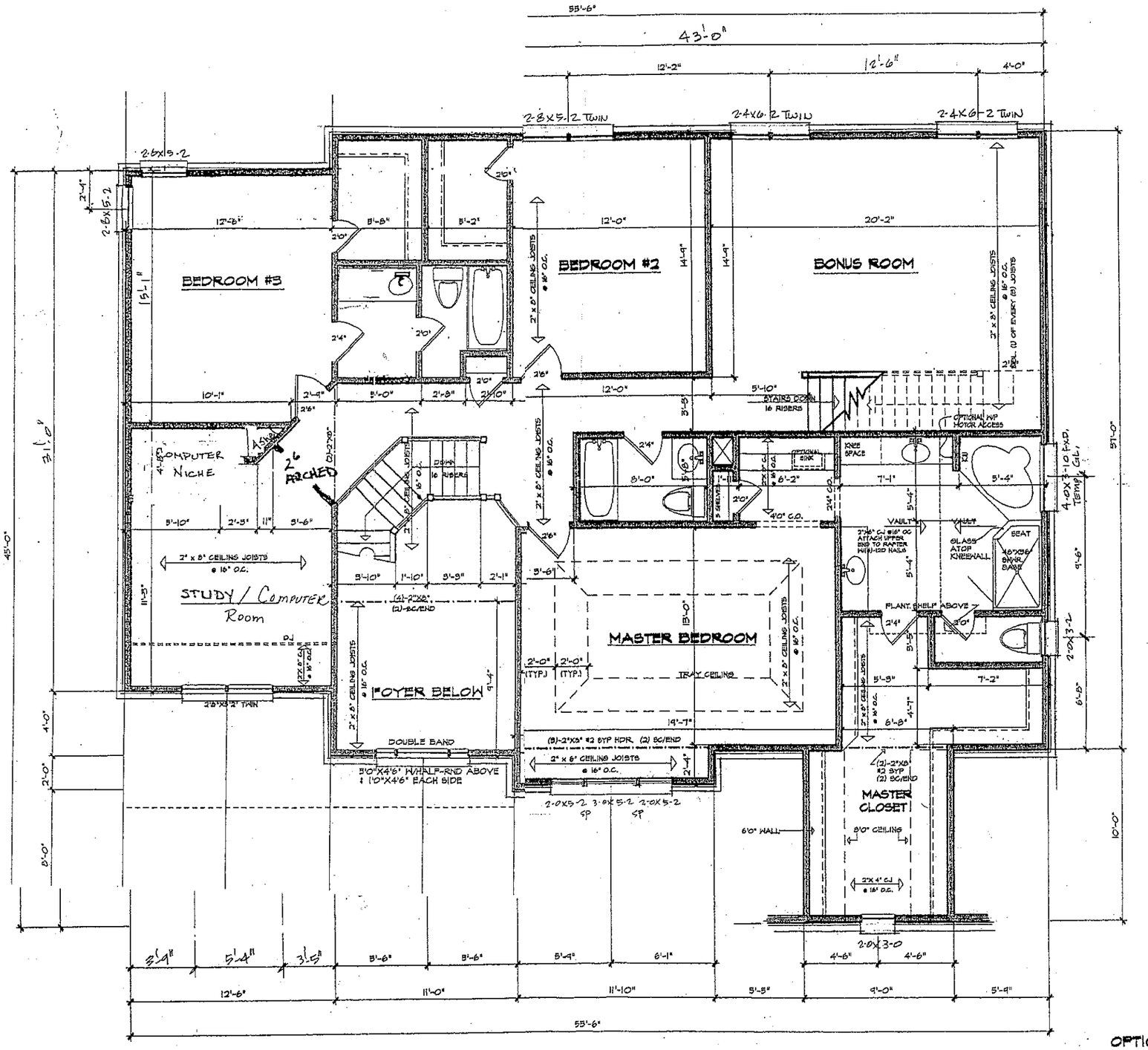
PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING CONSTRUCTION.

HAYNES & WELCH ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND PROCEDURES.

CODES AND ORDINANCES MAY VARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION.

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER
©COPYRIGHT 2002 HAYNES & WELCH ALL RIGHTS RESERVED

DATE 05/26/02
960503




## GENERAL NOTES:

1. 8'-0" CEILING HEIGHT UNLESS SPECIFIED OTHERWISE. SEE PLAN FOR WINDOW HEIGHTS.
2. 2 x 8 CEILING JOISTS OVER. SEE PLAN FOR SPACING.
3. REFER TO "STANDARD RESIDENTIAL NOTE SHEET" FOR OTHER INFORMATION PERTAINING TO THIS DRAWING.
4. 2 x 4 STUDS - 16" O.C. UNLESS NOTED OTHERWISE
5. ROOF SHEATHING - 7/16" OSB W/ 15# FELT
   WALL SHEATHING: 7/16" OSB
   FLOOR SHEATHING: 3/4" T & G PLYWOOD
   INTERIOR FINISH: 1/2" SHEETROCK UNLESS SPEC'D. OTHERWISE.
6. BUILDER TO LOCATE ATTIC ACCESS ON SITE. (MINIMUM 20" x 30" OPENING)
7. FOR NUMBER OF JACK STUDS REQUIRED AT ALL OPENINGS, SEE PAGE D-3 FOR JACK STUD TABLE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 7239 JAMES L. PFEIFER 4/3/02

STRUCTURAL ONLY
FILE #4519-02
PO BOX 98062
RALEIGH, NC 27624
(919) 878-5708

## OPTIONAL SECOND FLOOR PLAN W/BONUS ROOM "A"

SCALE 1/4" = 1'-0"

"The Pearson"
ELEVATION
BONUS ROOM OPTION "A"
ALL 12:12 ROOF PITCH

ST LAWRENCE HOMES

HAYNES & WELCH, INC.
RESIDENTIAL DESIGNERS
8320 FALLS OF NEUSE RD., SUITE 111 RALEIGH, NORTH CAROLINA 27615 919-847-0828

PURCHASER MUST VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING CONSTRUCTION.

HAYNES & WELCH ASSUMES NO LIABILITY FOR CONTRACTORS PRACTICES AND PROCEDURES.

CODES AND CONDITIONS MAY VARY WITH LOCATION. A LOCAL DESIGNER, ARCHITECT OR ENGINEER SHOULD BE CONSULTED BEFORE CONSTRUCTION.

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN PROPERTY OF THE DESIGNER

©COPYRIGHT 2002
HAYNES & WELCH
ALL RIGHTS RESERVED

DATE 08/26/02
971015