

NELSON'S BARN 3B PLANS COLUMBIA COUNTY, FL

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Nelson's Barn 3B
1136 SW Marynik Dr.
High Springs, FL. 32643

Cover Sheet
October 2007

SHEET
1
OF
8

Rod Nelson
1/15/08

1'-0" overhang typ.

12

12

2'-6"

4'-0"

4'-0" x 5'-0" concrete stoop

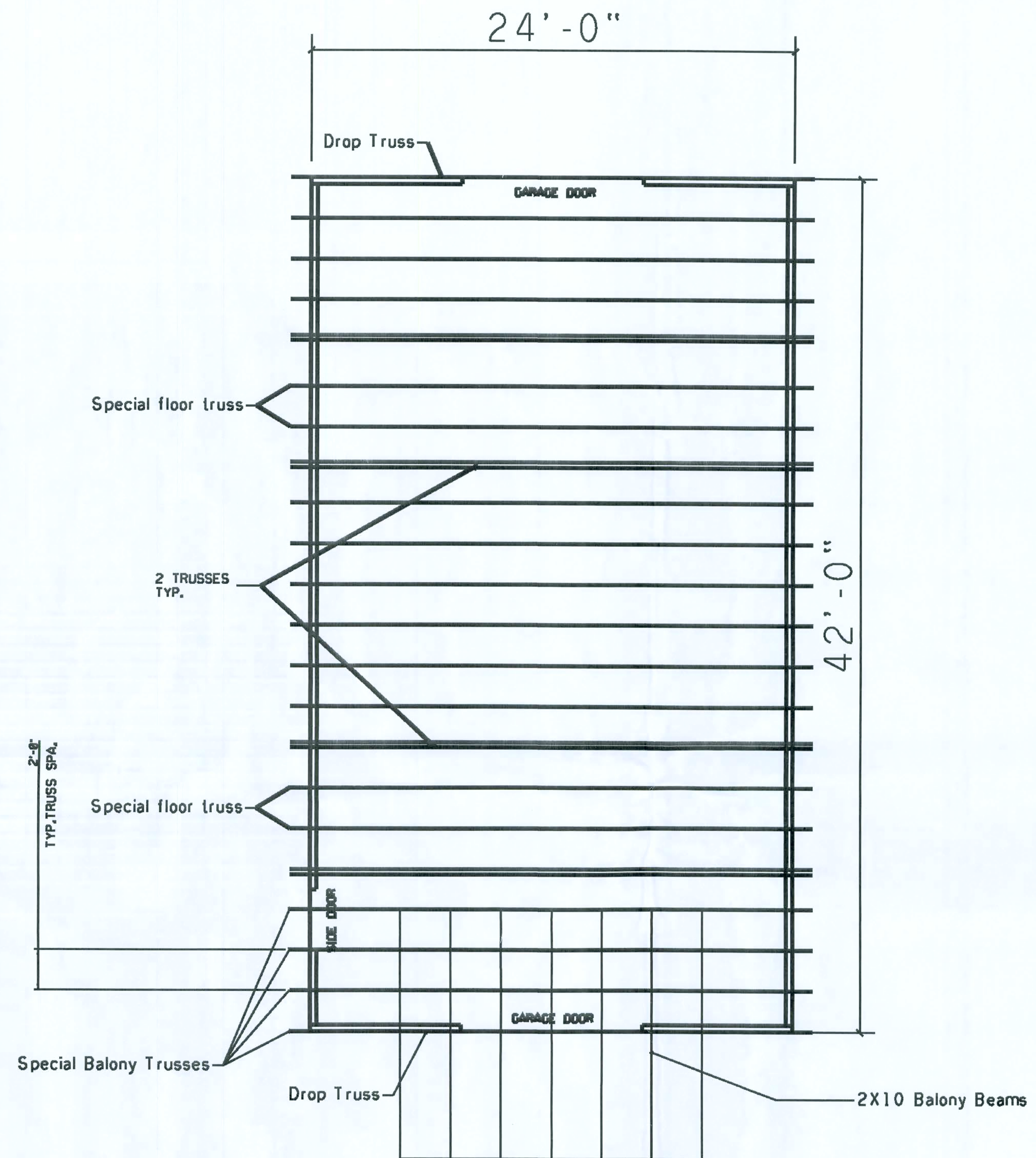
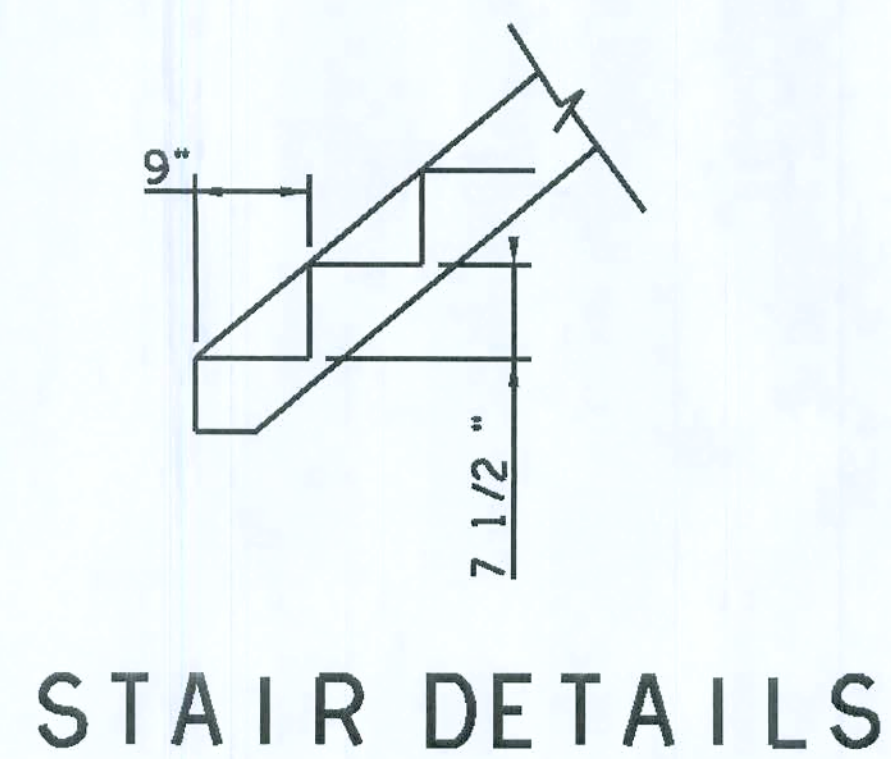
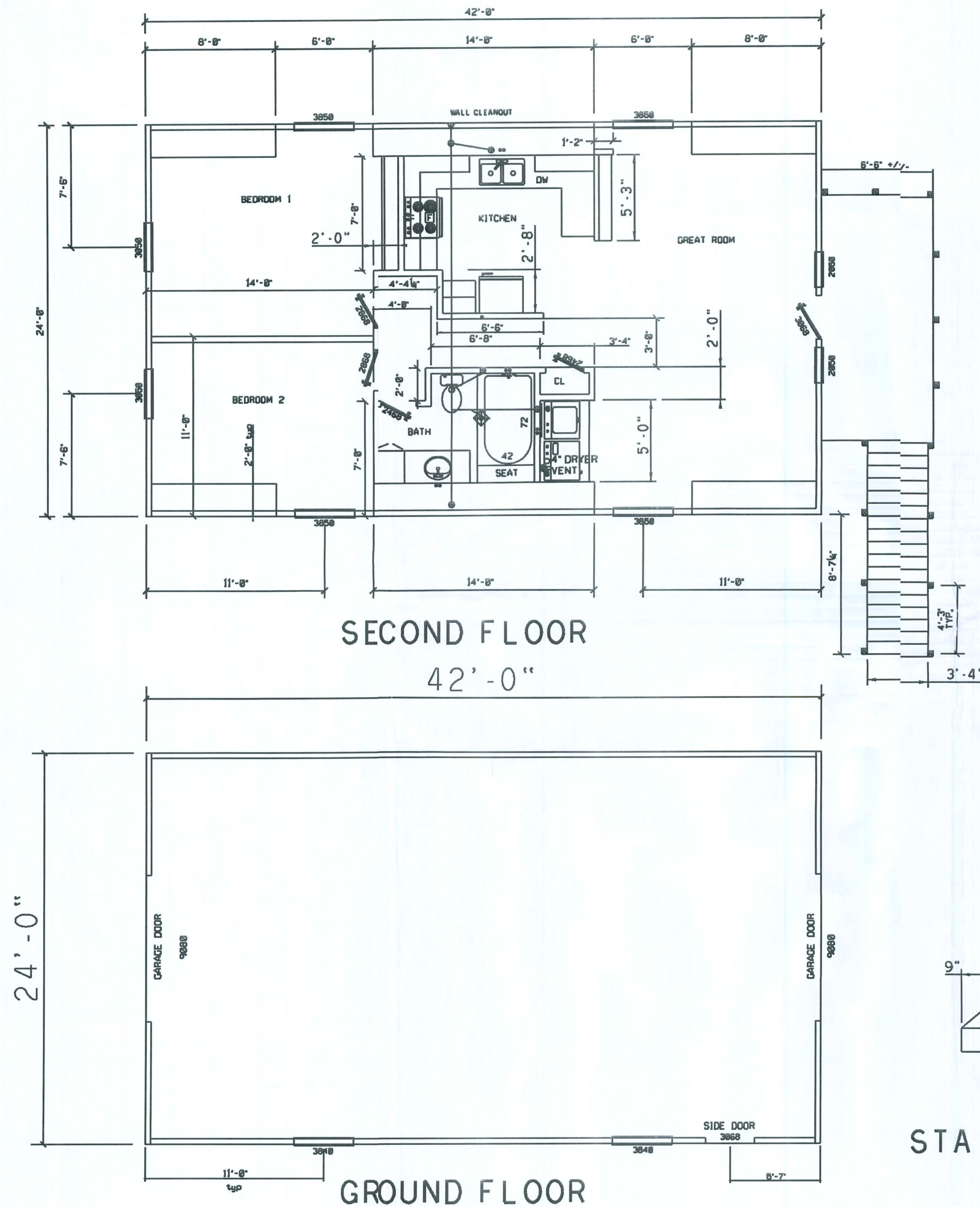
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Architectural elevation drawing of a two-story house. The drawing includes the following dimensions and features:

- Roof:** Gabled roof with a dormer. Roof pitch is 12/6. Total width is 27.00'.
- Levels:**
 - 0.00' Ground Floor
 - 9.00' Top Plate Wall Height
 - 17.00' Eave
 - 22.00' Ridge
- Structure:**
 - 2nd Floor: Features a window with a grid pattern.
 - 1st Floor: Features a garage door.
 - Concrete stoop: 4'-0" x 5'-0".
 - Staircase: 3'-0" high, 4'-0" wide.
 - Roof overhang: 4'-0" overhang typ.
- Other Dimensions:**
 - 8'-0" (height of the garage door area)
 - 9'-0" (width of the garage door area)
 - Both Ends (width of the garage door area)

0 4 8
Scale

Rodney T. Nelson, P.E. 424 SW Heron Drive Fort White, FL. 32038 FL. P.E. # 39362	Nelson's Barn 3B 1136 SW Marynik Dr. High Springs, FL. 32643
Elevation October 2007	



Scale

Signature
1/15/08

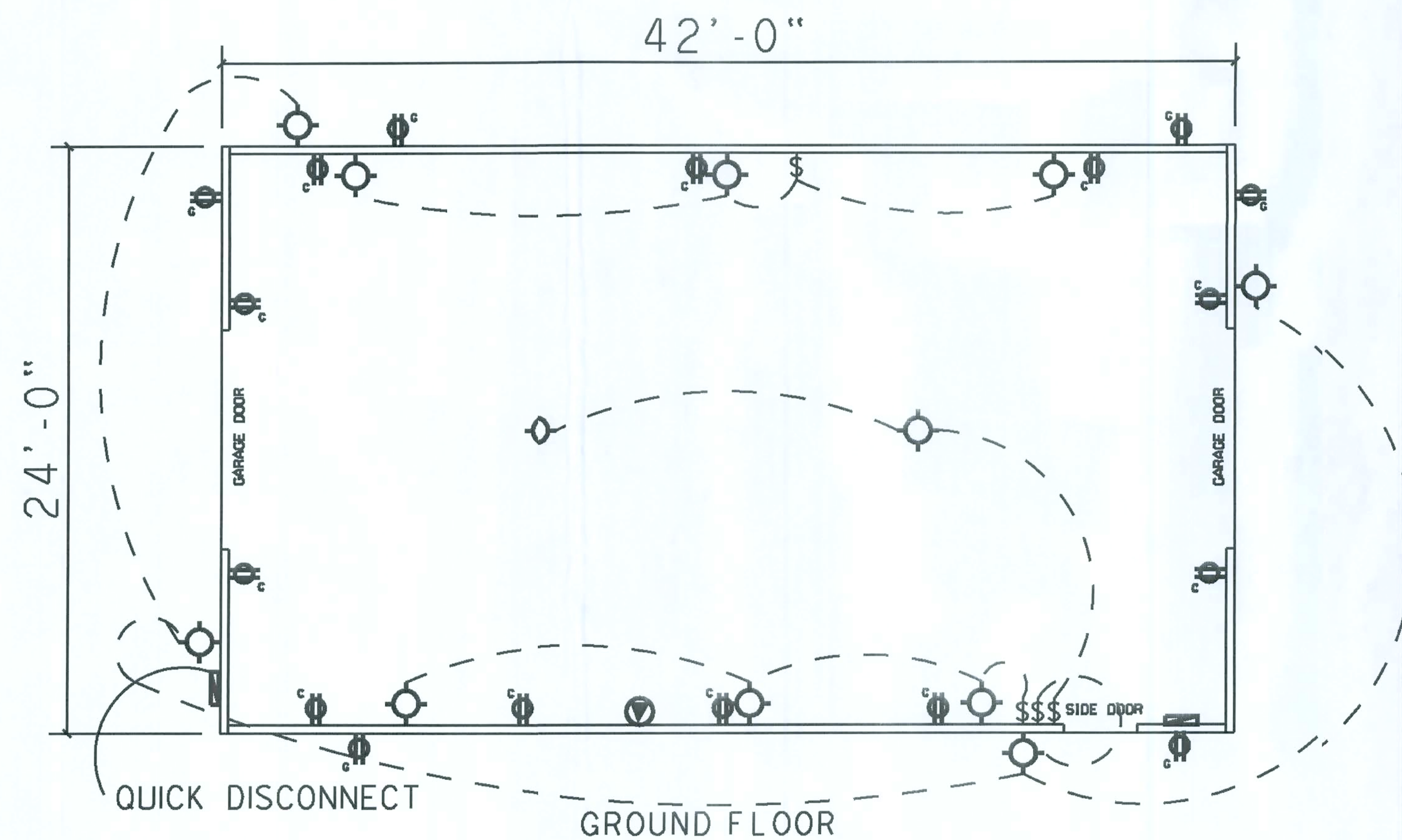
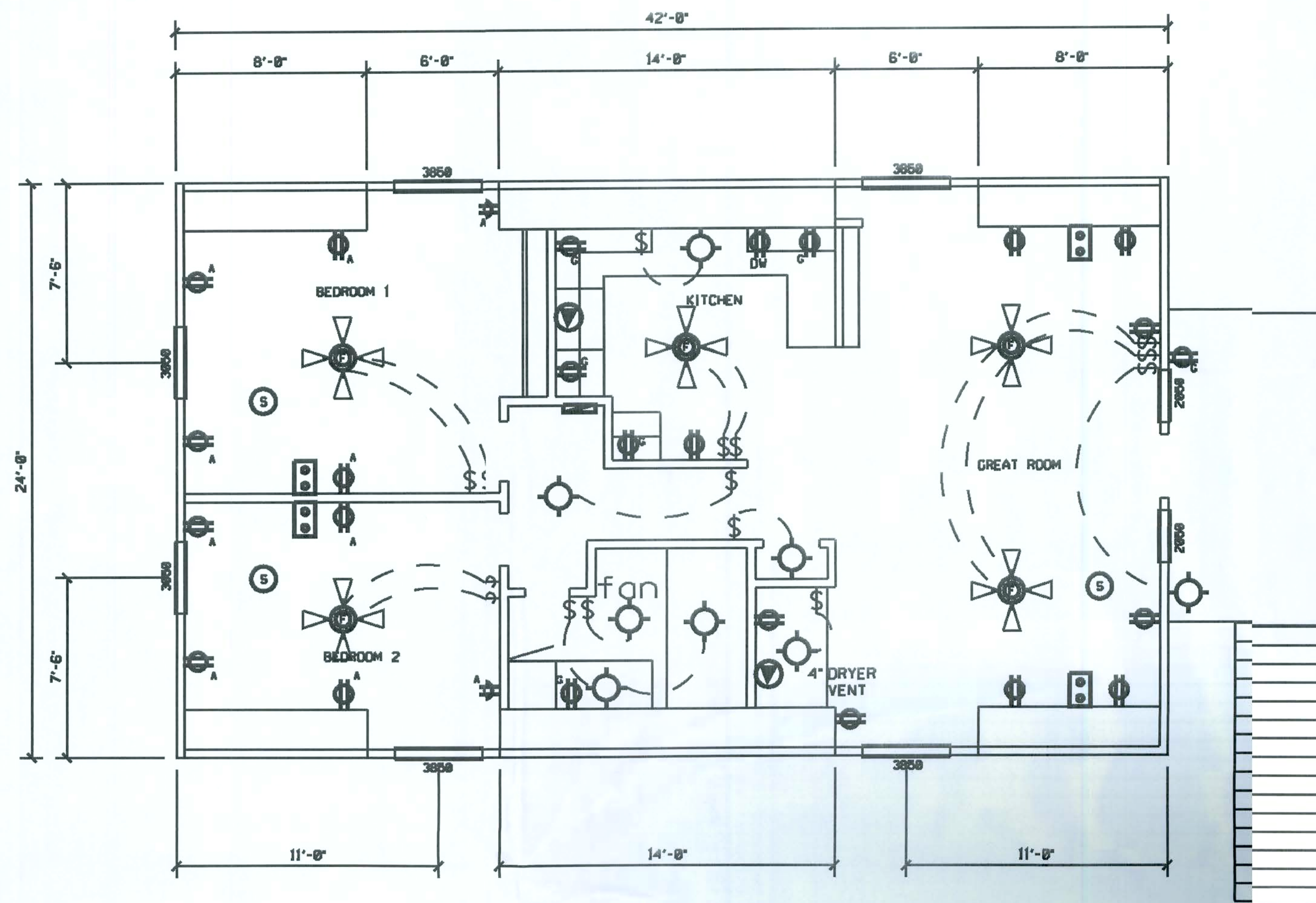
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PLAN + TRUSS
October 2007

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SHEET
3
OF
8



LEGEND

- CEILING FAN w LIGHTS
- LIGHT FIXTURE WITH PULL CHAIN
- LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- SINGLE POLE ROCKER SWITCH
- THREE-WAY ROCKER SWITCH
- DIMMER SWITCH
- THREE-WAY DIMMER SWITCH
- RECEPT. - RECEPT. COUNTERTOP
- SWITCH CONTROLLED RECEPT. LOCATED IN SOFFIT(GFI CIRCUIT)
- SECURITY LIGHT
- EXHAUST WITH LIGHT
- 220 V.
- SMOKE DETECTOR (AC/DC and interconnected)
- COAX & TELEPHONE
- TELEPHONE
- PANEL BOX

NOTES:

- 1.) ALL EXTERIOR RECEPTACLES SHALL EITHER BE GFCI RECPTS OR PART OF A GFCI CIRCUIT. ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.
- 2.) ALL BATHROOM, KITCHEN, AND GARAGE RECPTS SHALL BE PART OF A GFCI CIRCUIT.
- 3.) ALL BEDROOM RECPTS SHALL BE PART OF AN AFCI CIRCUIT. SHOWN WITH AN "A".

ELECTRICAL

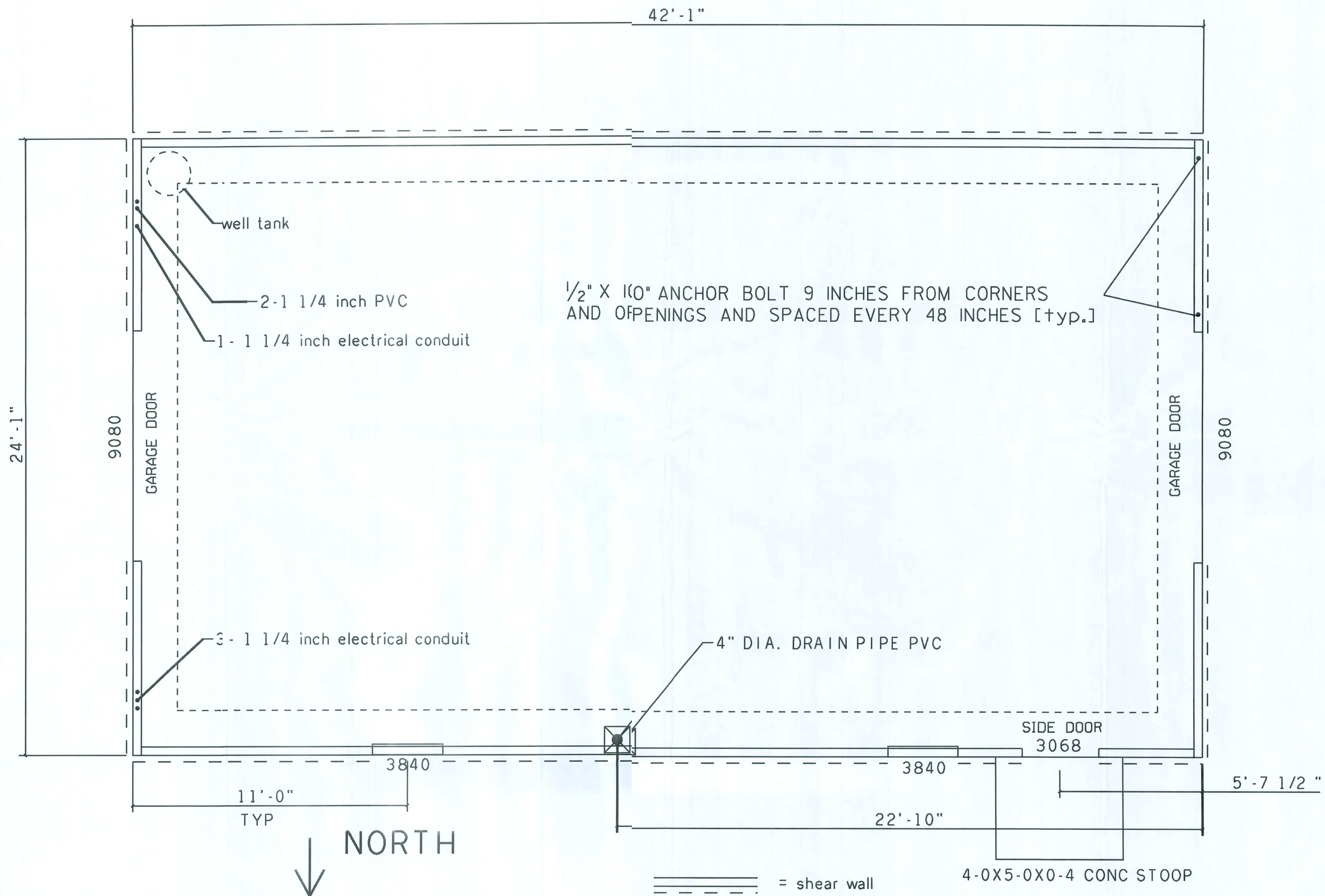
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Electrical Plan
October 2007

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SHEET
4
OF
8



R. Nelson
11/15/08

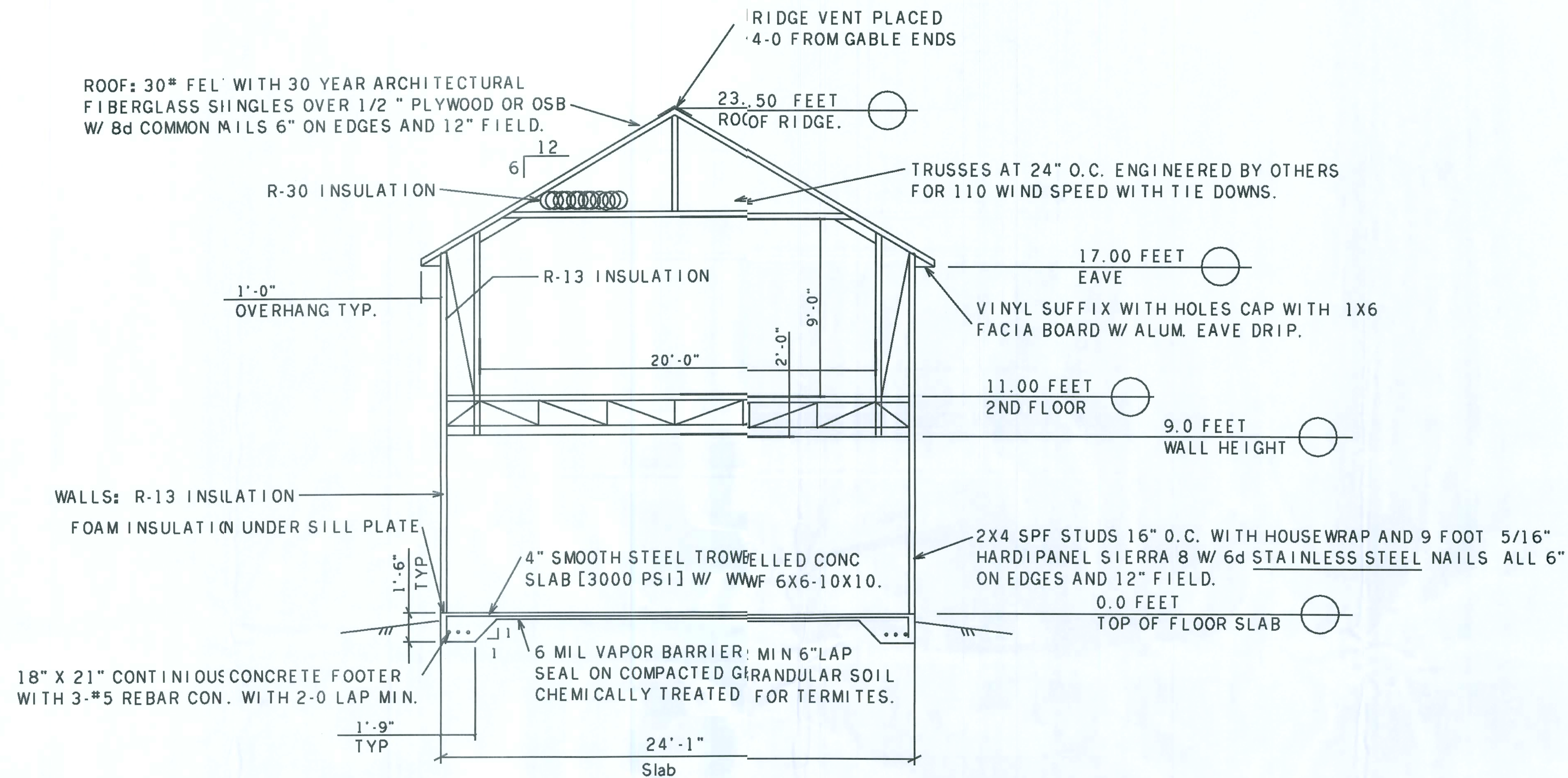
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Foundation Plan
October 2007

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SHEET
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OF
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TYPICAL SECTION

NOTES:

[1.] PROVIDE 2X4 P/T SILL PL. CONT. ALL AROUND PERIMETER W/ 1/2" DIA. ANCHOR BOLTS EMBEDDED 8" INTO CONCRETE FOOTER W/ 2" SQUARE X 1/8" PLATE WASHERS LOCATED 9" FROM EACH CORNER EACH WAY AND ALL WALL OPENINGS AND ALONG EACH RUN @ 48" MAX. O.C.

[2.] ALL BEARING AND NON-BEARING HEADERS SHALL BE 2 - 2X10 SYP WITH 1/2" PLYWOOD SPACER AND SINGLE JACK STUD EACH END.

[3.] ALL DOOR AND WINDOWS SHALL BE TRIMMED W/ 1X4 HARDIBOARD.

[4.] WINDOWS SHALL BE FRAMED ROUGH OPENINGS 15 1/4" FROM THE WALL HEIGHT.

0 4' 8'
scale

Rodney T. Nelson
11/15/08

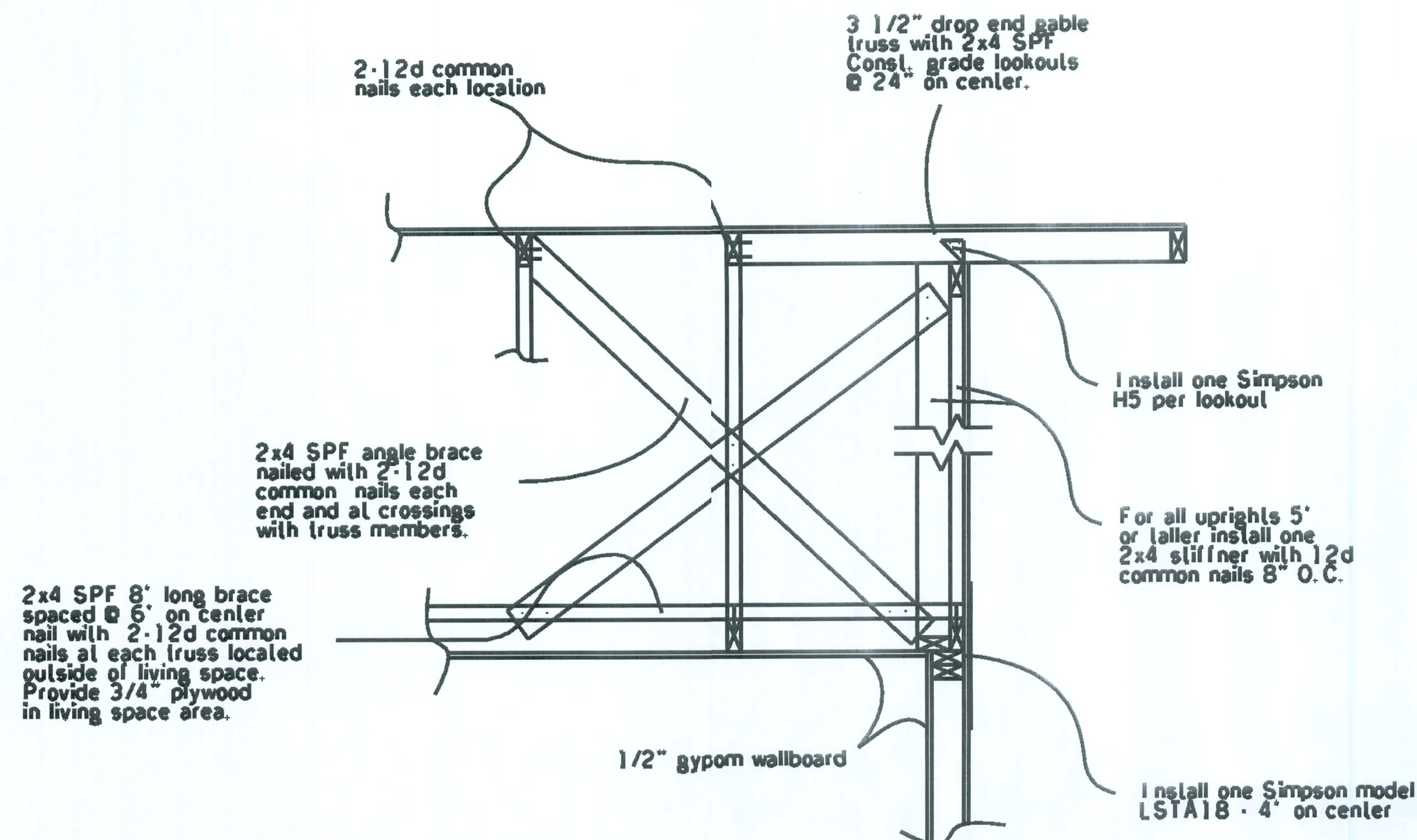
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Section
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SHEET
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GABLE END BRACING
DETAIL (N.T.S.)

STRAPPING AND ANCHOR REQUIREMENTS (Designed in accordance with 2001 FBC):

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 110 mph
 Importance Factor = 1.0
 Exposure Category = B
 Residential Occupancy = Group R3
 Mean Roof Height = 19.75'
 Height and Exposure Adjustment Coefficient = 1.0
 Roof Cross Slope = 6:12 standard
 Wall Height = (see elevations)
 Analysis Method = FBC 1606.2 - Simplified Provisions for Low Rise Buildings
 Internal Pressure Coefficient = Not applicable for this Analysis Method
 (see tables 1606.2A, 1606.2B and 1606.2C for wind pressure values)
 Component and Cladding wind pressures:
 Walls: 17.2 psf & -22.5 psf, Roof: 12.5 psf & -42.1 psf, Overhangs: -42.4 psf
 (+/- signs indicate pressures acting towards and away from surfaces)

TRUSS ANCHORS:

At Truss to Exterior Wall Plate Locations install one Simpson model H10 anchor. At first four trusses at left and right gable ends install an additional H5 anchor.

GABLE ENDS:

At gable ends install one Simpson model H5 anchor where lookouts connect to end gable truss.

At left and right end gables install one Simpson LSTA18 - 4' on center connecting gable end truss to wall framing.

BRACING: At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss 45 degrees to truss at roof sheathing, nail with 2-12d nails where it crosses truss members and at ends. Gable end truss shall be built to receive sheathing with vertical members 2' on center. Vertical members of gable end truss greater than 5' in height shall be stiffened with one 2x4 SPF nailed with 12d nails 8' on center to back of vertical member. (See Detail)

WALL STRAP TIES:

At top and bottom of walls install one Simpson model SP4 at each side of each window or door under 4' in width and install 2 at each side top and bottom of the wall for doors or windows over 4' in width. At other wall locations install one SP4 at the top and the bottom of the wall 4' on center. On each side of each garage door opening install 2 - SP4's top and bottom of wall.

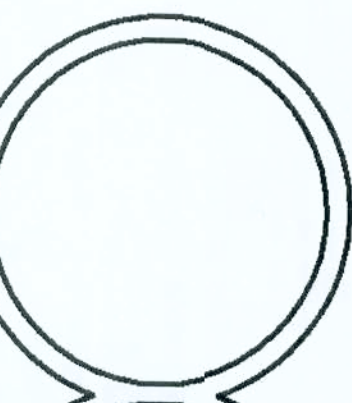
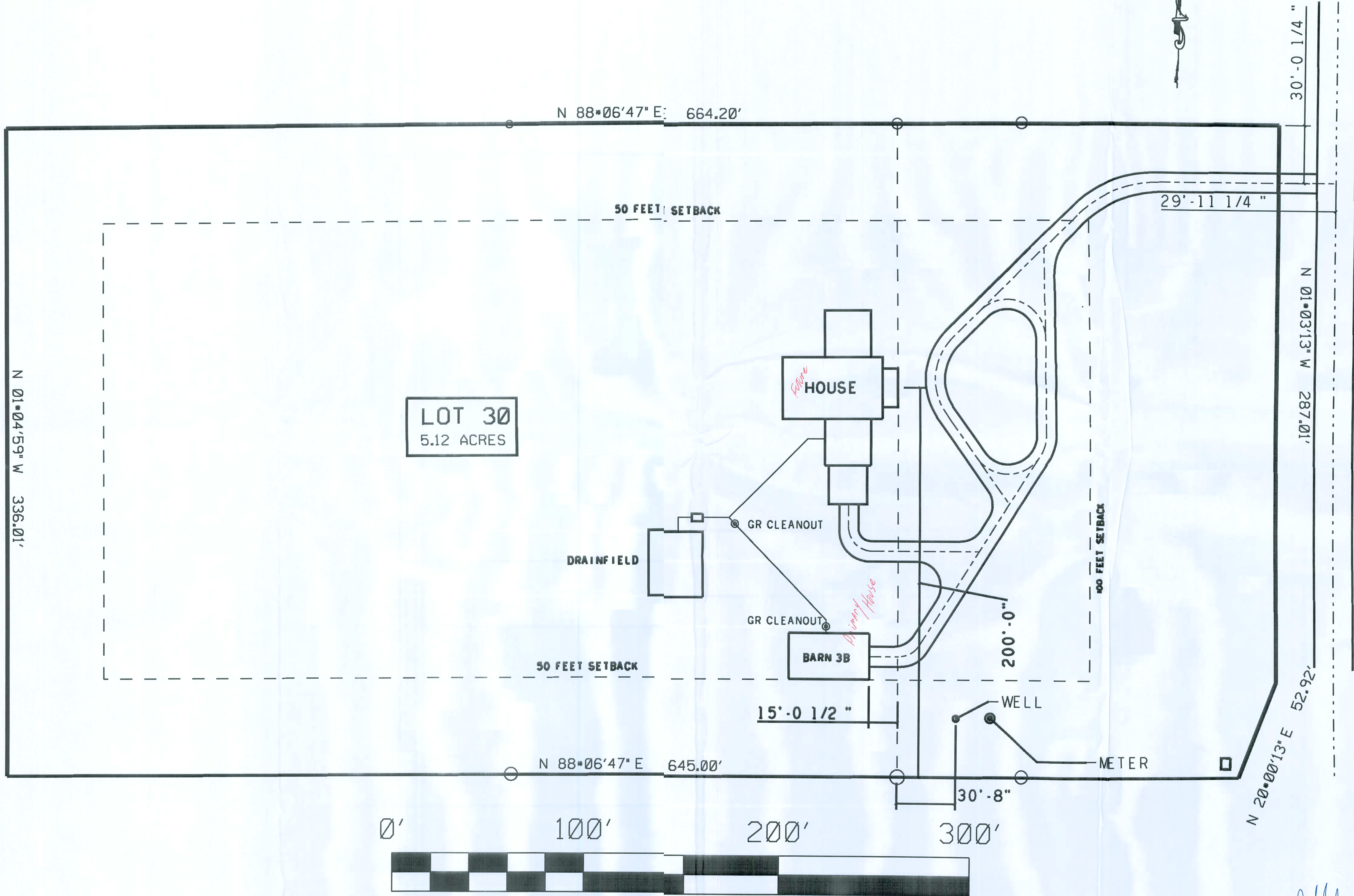
Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.

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Wind Anchorage
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 OF
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SITE PLAN
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SHEET
8
OF
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R. Nelson
11/15/08