

## TERMITE SPECIFICATIONS:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. (FBC 104.2.6)
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALKS. (FBC 1503.4.4)
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS. (FBC 1503.4.4)
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES.  
  
EXCEPTION: PAINT OR DECORATIVE CEMENTATIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. (FBC 1403.1.6)
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. (FBC 1816.1.1)
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED AND FORMED. (FBC 1816.1.2)
7. BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. (FBC 1816.1.3)
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. (FBC 1816.1.4)
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. (FBC 1816.1.5)
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. (FBC 1816.1.6)
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. (FBC 1816.1.6)
12. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. (FBC 181.1.7)
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES." (FBC 1816.1.7)
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAY BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. (FBC 2303.1.3)
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. (FBC 2303.1.4)

## STRUCTURAL NOTES:

### FOUNDATIONS

SOIL TO BE COMPACTED TO AT LEAST 95% OF MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR)

### FOUNDATION INSPECTIONS

A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON SITE FOR THE BUILDING INSPECTORS USE, OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.

### CAST IN PLACE CONCRETE

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI, A SLUMP OF 6" PLUS OR MINUS 1", AND HAVE 2 TO 5% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.63
2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 40.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WWF SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 6"
4. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.
5. HORIZONTAL FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH A 2'-0" LAP PROVIDED.
6. MINIMUM LAP SPICES ON ALL REINFORCING BAR SPICES SHALL BE 40 BAR DIAMETERS TYP.
7. CONCRETE COVER MIN. 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM

### MASONRY WALL CONST.

1. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI. (fm = 1350 PSI)
2. MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO ASTM C270.
3. COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI SLUMP 8" TO 11"
4. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.
5. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 1/2 BAR DIAMETERS. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED.
6. REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS
7. GROUT STOPS SHALL BE PROVIDED BELOW BOND BEAM, PLASTIC SCREEN, METAL LATH STRIP OR CAVITY CAPS MAY BE USED TO PREVENT THE FLOW GROUT INTO CELLS BELOW. THE USE OF FELT PAPER AS A STOP IS PROHIBITED.

### WOOD CONSTRUCTION

1. WOOD CONSTRUCTION SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION.
2. ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS AND MISC. STRUCTURAL WOOD FRAMING MEMBERS, (I.E. BLOCKING OR GABLE END BRACING) SHALL BE EITHER SOUTHERN PINE, OR S.P.F. NUMBER 2 GRADE SHALL BE USED REGARDLESS OF SPECIES.
3. ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIA. SHALL HAVE STUD PROTECTION SHIELDS FOR ALL HOLES OVER 1" IN DIA. FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 STUD SHOES, TYP., U.N.O.

### WOOD FRAMING INSPECTION

ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGHINS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING FRAMING INSPECTION.

### PREFABRICATED WOOD TRUSSES:

1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS.
2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER" AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
3. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25%) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
4. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER UNLESS NOTED ON THE PLANS.
5. TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY. WEB MEMBERS ARE NOT SHOWN, BUT SHALL BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE FOLLOWING DESIGN LOADS:
6. DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.
7. PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH SPECIFIC LOADS AND GOVERNING CODES. SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS LOCATIONS, AND PERMANENT BRACING AND/OR BRIDGING AS REQUIRED FOR ERECTION AND FOR THE PERMANENT STRUCTURE. EACH SUBMITTAL SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. SUBMIT 3 COPIES FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
8. THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, BRACING, BRACING MEMBERS, AND ALL TRUSS TO TRUSS HANGERS.

### UPLIFT CONNECTORS

1. UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE ONLY REQUIRED ON MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT FORCES. INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS WOULD NOT NEED TO HAVE CONNECTORS APPLIED. PLEASE CONSULT THE TRUSS ENGINEERING FOR THE LOCATION OF THESE WALLS.

### FIELD REPAIR NOTES

1. MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) "SIMPSON MTS16 TWIST" STRAP W/ (4) 1/4" X 2 1/4" DIA. TITENS TO THE BOND BEAM BLOCK AND (7) LUG TO THE TRUSS FOR UPLIFT OF 1000 LBS. OR LESS. USE (2) FOR 2000 LBS. OR LESS. OTHERS MAY BE SUBSTITUTED ON A CASE BY CASE BASIS.
2. MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. ANCHOR BOLTS SET IN 3/4" DIA. X 6" DEEP UTEX "PROPOXY" 300 ADHESIVE BINDER FOLLOWING ALL MANUFACTURERS RECOMMENDATIONS (OR 1/2" X 6" SIMPSON TITEN HD ANCHORS.)
3. REGARDING MISSED REBAR IN VERTICAL FILLED CELLS: DRILL A 3/4" DIAMETER HOLE 6" DEEP AT THE LOCATION OF THE OMITTED REBAR, AND INSTALL A 32" LONG #5 BAR INTO THE EPOXY FILLED HOLE. USE A TWO PART EMBEDDMENT EPOXY (SIMPSON "EPOXY TIE SET", OR HILTI "2 PART EMBEDDMENT EPOXY"). MIXED PER MANUFACTURER'S INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE BY BRUSHING AND AND USING COMPRESSED AIR PRIOR TO APPLYING THE EPOXY. ALLOW THE EPOXY TO CURE TO MANUFACTURER'S SPECIFICATIONS. THEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM POUR.
4. HURRICANE STRAPS MAY BE SUBSTITUTED WITH A STRAP OF GREATER HOLDOWN VALUE OR GREATER UPLIFT VALUE IN THE FIELD WITHOUT VERIFICATION. PROVIDED ALL MANUFACTURERS INSTALLATION INSTRUCTIONS ARE FOLLOWED.
5. FOR MORTAR JOINTS LESS THAN 1/4", PROVIDE (1) #5 VERT. IN CONC. FILLED CELL EACH SIDE OF THE JOINT (REBAR DOES NOT HAVE TO BE CONT. TO FOOTING)

## STRUCTURAL DESIGN CRITERIA

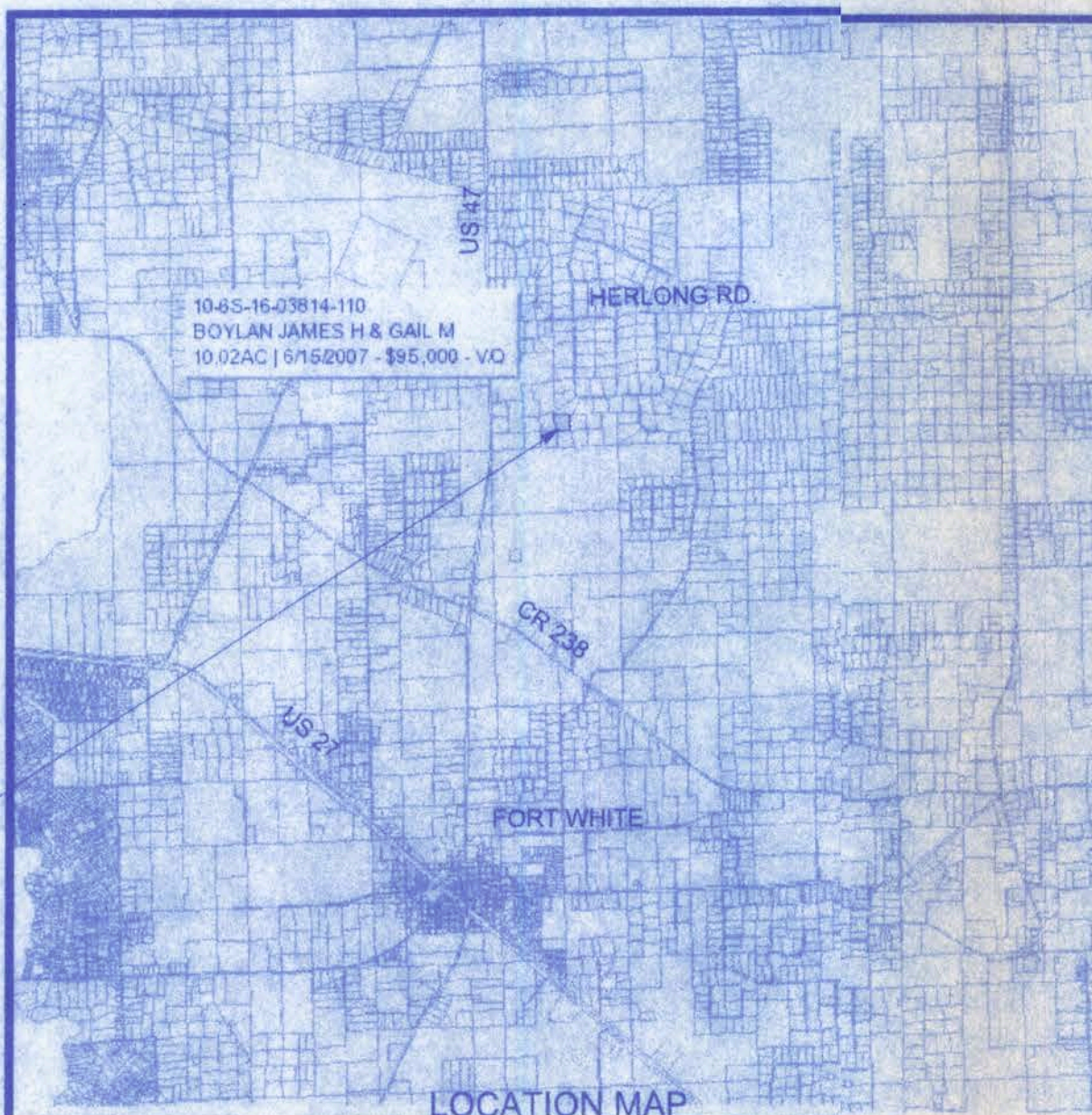
|                                    |   |   |
|------------------------------------|---|---|
| <b>CODES:</b>                      | FLORIDA BUILDING CODE, 2007 EDITION<br>BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05)<br>SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-05)<br>BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05)<br>NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2001 EDITION<br>APA PLYWOOD DESIGN SPECIFICATION  |   |
| <b>LIVE LOADS:</b>                 | ROOF<br>RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED<br>BALCONIES<br>STAIRS<br>LIGHT PARTITIONS (DEAD LOAD), U.N.O.  | 20 PSF (REDUCIBLE)<br>40 PSF<br>40 PSF<br>40 PSF<br>20 PSF      |
| <b>WIND LOADS: (F.B.C.)</b>        | WIND LOADS BASED ON FBC, SECTION 1609<br>WIND VELOCITY: 110 M.P.H., USE FACTOR: 1.0   |   |
| <b>CONCRETE STRENGTH @ 28 DAYS</b> | ALL CONCRETE UNLESS OTHERWISE INDICATED<br>PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY<br>(DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS)   | 2500 PSI<br>3000 PSI  |
| <b>REINFORCING:</b>                | WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS<br>ALL STIRRUPS AND TIES   | ASTM A185<br>ASTM A615-40 40,000 PSI<br>ASTM A615-40 40,000 PSI |
| <b>CONCRETE MASONRY UNITS:</b>     | ASTM C90-99b, STANDARD WEIGHT UNITS, fm=1500 PSI<br>MORTAR TYPE "S" 1800 PSI<br>CONCRETE GROUT 3000 PSI<br>CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION  |   |
| <b>STRUCTURAL STEEL:</b>           | ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O.<br>SHOP AND FIELD WELDS: E70XX ELECTRODES<br>ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307   |   |
| <b>WOOD FRAMING:</b>               | BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O.<br>NO. 2 SOUTHERN YELLOW PINE (19% M.C.)<br>ROOF DECK: PLYWOOD C-C/C-D, EXTERIOR, OR OSB<br>FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24)<br>WALL SHEATHING: PLYWOOD C-C/C-D, EXTERIOR OR OSB<br>VERSA LAM BEAM P6 - 2900 PSI (2.0E)<br>WOOD COLS. PARALLAM 2.0E U.N.O.<br>DESIGN LOADS:<br>TOP CHORD LIVE AND DEAD LOAD: 30 PSF<br>BOTTOM CHORD DEAD LOAD: 10 PSF<br>TOTAL: 40 PSF |   |
| <b>WOOD ROOF TRUSSES:</b>          | <b>SEE DRAWINGS FOR SPECIAL CONCENTRATED LOADS. DESIGN FOR NEW WIND UPLIFT AS PER SPECIFIED CODES, DEDUCTING A MAXIMUM OF 5 P.S.F. DEAD LOAD, BUT NOT EXCEEDING ACTUAL DEAD LOAD.</b>   |   |
| <b>WOOD FLOOR TRUSSES:</b>         | DESIGN LOADS:<br>DEAD LOAD: 15 PSF<br>LIVE LOAD: 40 PSF<br>TOTAL: 55 PSF  |   |
| <b>SOIL BEARING VALUE:</b>         | ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 2000 PSF<br>SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS<br>IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN.   |   |

## BUILDING DATA

|   |   |
|---|---|
| CONSTRUCTION TYPE - TYPE VI UNPROTECTED (SECTION 609 - FBC 2007)                              | WIND SPEED 110 MPH<br>WIND IMPORTANCE FACTOR - (Iw) = 1.0<br>WIND EXPOSURE - "B" (ASCE 7-05)<br>INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (ENCLOSED BLDG)  |
| <b>THIS DRAWING AND DESIGN IS VALID FOR 12 MONTHS AFTER THE DATE IT IS SIGNED AND SEALED.</b> | <b>DESIGN WIND PRESSURE:</b><br>(COMPONENT AND CLADDING) WORST CASE - (40 SF - END ZONE)<br># END ZONE IS ONLY WITHIN 5'-0" OF ALL EXTERIOR BUILDING CORNERS<br><br>WINDOWS AND DOORS<br>110 MPH + 25.9 PSF / - 34.7 PSF (END)<br>+ 25.9 PSF/-28.1 PSF (INTERIOR) U.N.O.<br><br>GARAGE DOORS (V = 110 MPH)<br>SINGLE 9x7 +22.8 PSF / -25.8 PSF<br>DOUBLE 16x7 +21.8 PSF / -24.3 PSF<br><br><b>SEE FLOOR PLAN FOR ACTUAL PRESSURES</b> |

|                             |                                 |                               |
|-----------------------------|---------------------------------|-------------------------------|
| A.B. Anchor Bolt            | F.B.C. Florida Bldg. Code       | Opn'g. Opening                |
| Abv. Above                  | Fin. Flr. Finished Floor        | Opt. Optional                 |
| A/C Air-Conditioner         | F.G. Fixed Glass                | Pc. Piece                     |
| Adj. Adjustable             | Flr. Floor                      | Ped. Pedestal                 |
| A.F.F. Above Finished Floor | Fdn. Foundation                 | P.L. Parallellam              |
| A.H.U. Air Handler Unit     | Flr. Sys. Floor System          | PLF Pounds per linear foot    |
| ALT. Alternate              | F.Si. Fireplace                 | Plt. Ht. Plate Height         |
| B.C. Base Cabinet           | Fl. Foot / Feet                 | Plt. Sh. Plant Shelf          |
| B.F. Bifold Door            | Fig. Footing                    | PSF Pounds per square foot    |
| Bk Sh Book Shelf            | FX Fixed                        | P.T. Pressure Treated         |
| Bm Beam                     | Galv. Galvanized                | Pwd. Powder Room              |
| BOT. Bottom                 | G.C. General Contractor         | Rad. Radius                   |
| B.P. Bypass door            | G.F.I. Ground Fault Interrupter | Ref. Refrigerator             |
| Brg. Bearing                | G.T. Gider Truss                | Req'd. Required               |
| Cir. Circle                 | Hdr. Header                     | Rm. Room                      |
| Cgl. Ceiling                | Hgt. Height                     | Rnd. Round                    |
| Col. Column                 | HB Hose Bibb                    | R/SH Rod and Shelf            |
| Comp. A/C Compressor        | Int. Interior                   | SD. Smoke Detector            |
| C.T. Ceramic Tile           | K/Wall Kneewall                 | S.F. Square Ft.               |
| D. Dryer                    | K.S. Knee Space                 | Sh. Shelves                   |
| Dec. Decorative             | Laun. Laundry                   | SHT Sheet                     |
| Dec. Dedicated Outlet       | Lav. Lavatory                   | S.L. Side Lights              |
| Dbl. Double                 | L.F. Linear Ft.                 | S.P.F. Spruce Pine Fir        |
| Dia. Diameter               | L.T. Laundry Tub                | Sq. Square                    |
| Disp. Disposal              | Mas. Masonry                    | S.Y.P. Southern Yellow Pie    |
| Dist. Distance              | Max. Maximum                    | Temp. Tempared                |
| D.S. Drawer Stack           | M.C. Medicine Cabinet           | Thick. Thicken                |
| D.V. Dryer Vent             | MDP Master Distribution Panel   | T.O.B. Top of Block           |
| D.W. Dishwasher             | Mfr. Manufacturer               | T.O.M. Top of Masonry         |
| Ea. Each                    | Micro. Microwave                | T.O.P. Top of Plate           |
| E.W. Each Way               | Min. Minimum                    | Trans. Transom Window         |
| Elec. Electrical            | M.L. Microlam                   | Typ. Typical                  |
| Elev. Elevation             | Mir. Mirror                     | UCL Under Cabinet Liting      |
| Ext. Exterior               | Mono. Monolithic                | U.N.O. Unless Noted Otherwise |
| Exp. Expansion              | N.T.S. Not to Scale             | VB Vanity Base                |
|                             |                                 | Vert. Vertical                |
|                             |                                 | V.L. Versaliam                |
|                             |                                 | VTR Vent through Roof         |
|                             |                                 | W Washer                      |
|                             |                                 | W/ With                       |
|                             |                                 | WC Water Closet               |
|                             |                                 | W.A. Wedge Anchor             |
|                             |                                 | Wd Wood                       |
|                             |                                 | WP Water Proof                |

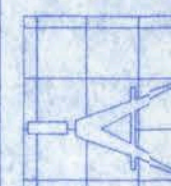
### PROJECT LOCATION



### LOCATION MAP



128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(800) 750-4203



Freeman  
Design Group, Inc.

DATE 02/04/09  
DRAWN BY W.H.F.  
APPROVED W.H.F.

REVISIONS

SHEET A-1

OF 6

PROJECT NO. 09.1009

BOYLAN RESIDENCE

CERTIFICATE OF AUTHORIZATION # 00008701

P.E. # 56001

### SHEET NUMBER

A-1  
A-2  
A-3  
A-4  
A-5  
A-6

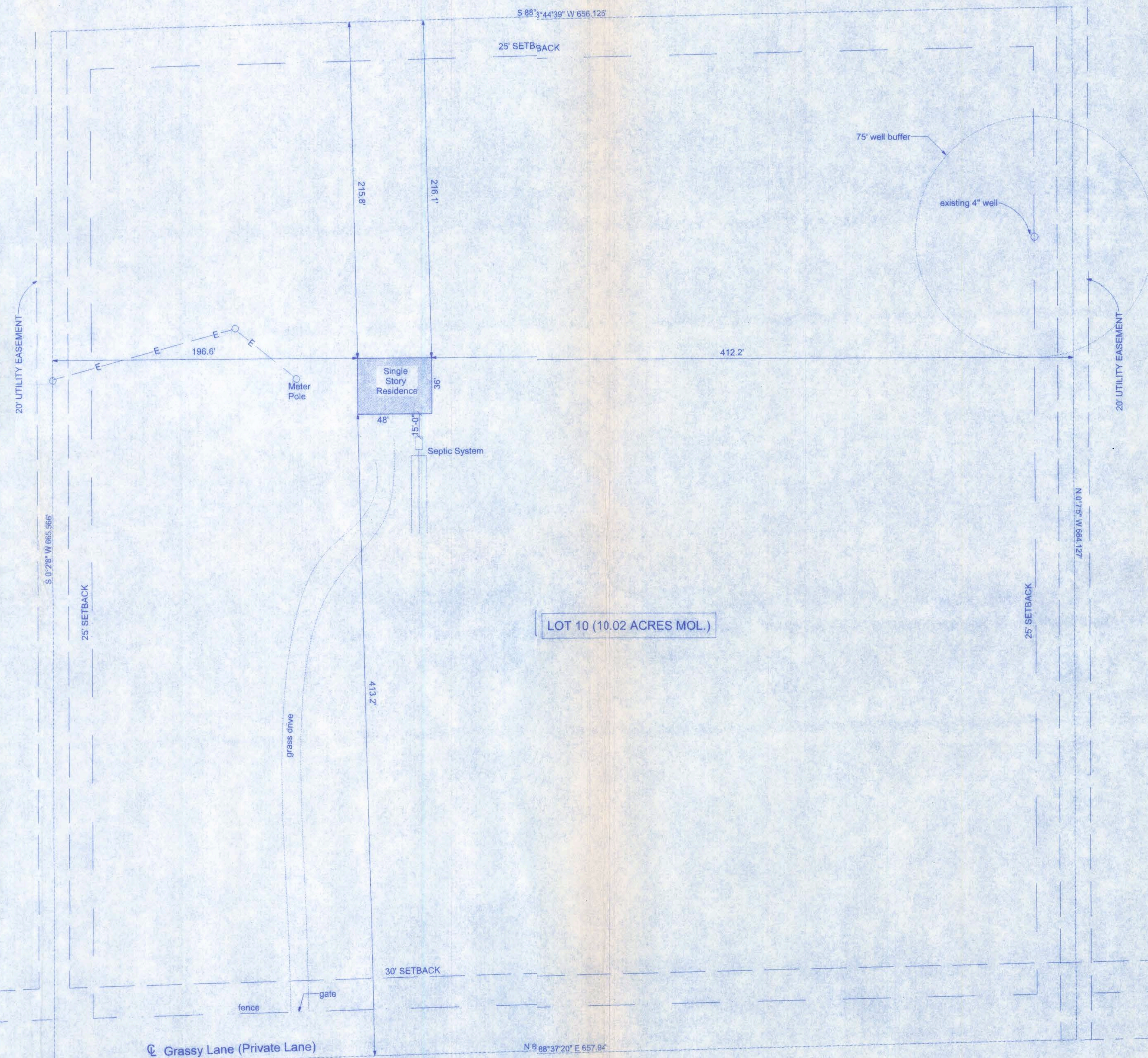
### DESCRIPTION

GENERAL NOTES SHEET  
SITE PLAN  
FLOOR PLAN & DECK DETAILS  
ELEVATIONS  
FOUNDATION PLAN AND ROOF PLAN  
TYPICAL SECTIONS





DESCRIPTION:  
SECTION 10 TOWNSHIP 6 SOUTH  
RANGE 16 EAST, COLUMBIA COUNTY, FLA.



SITE PLAN  
SCALE: 1" = 40'-0"



128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(386)758-4209

CERTIFICATE OF AUTHORIZATION # 00008701

|                |                    |
|----------------|--------------------|
| DATE<br>3/6/09 | DRAWN BY<br>W.H.F. |
|                | APPROVED<br>W.H.F. |

REVISIONS

SHEET A-2

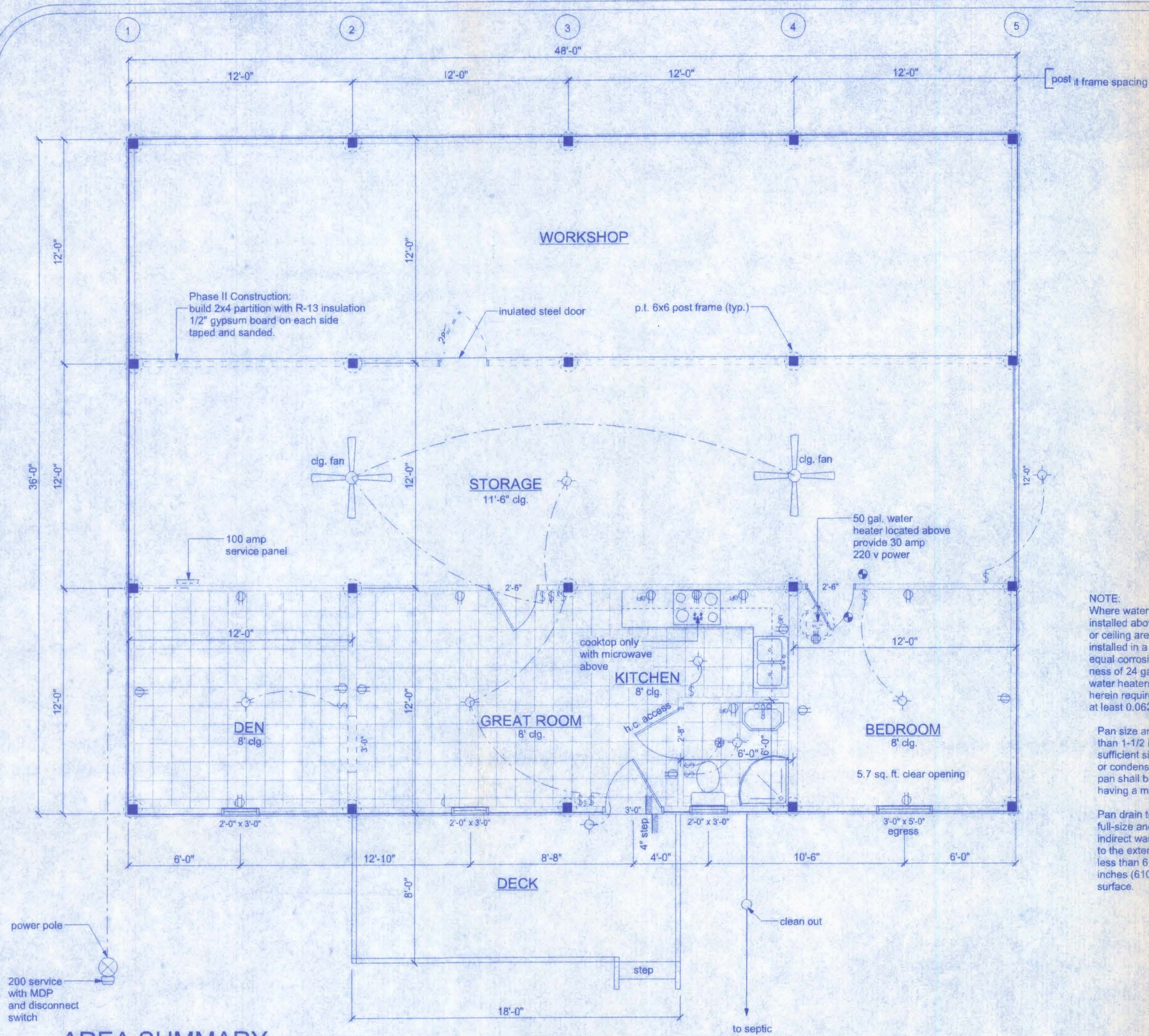
OF 6

PROJECT NO.  
09/R009

BOYLAN RESIDENCE

Walter R. Rife  
3/11/09  
P.E. # 68301





### AREA SUMMARY

|                    |          |
|--------------------|----------|
| CONDITIONED LIVING | 576 SF   |
| WORKSHOP           | 576 SF   |
| STORAGE            | 576 SF   |
| TOTAL              | 1,728 SF |

### FLOOR PLAN

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

### ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, PAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR'SH/L PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT NO., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND W/ LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

| ELECTRICAL         | SYMBOL |
|--------------------|--------|
| electrical meter   |        |
| electrical panel   |        |
| 50 cfm exhaust fan |        |
| light              |        |
| outlet             |        |
| outlet 220v        |        |
| outlet gfi         |        |
| smoke detector     |        |
| switch             |        |
| switch 3 way       |        |

### NOTE:

Where water heaters or hot water storage tanks are installed above the ground floor space, or in attics or ceiling areas, the tank or water heater shall be installed in a galvanized steel or other metal pan of equal corrosion resistance having a minimum thickness of 24 gage, 0.0276 inch (0.70 mm). Electric water heaters shall be installed in a metal pan as herein required or in a high-impact plastic pan of at least 0.0625 inch (1.59 mm) thickness.

Pan size and drain: The pan shall not be less than 1-1/2 inches (38 mm) deep and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a minimum diameter of 3/4 inch.

Pan drain termination: The pan drain shall extend full-size and terminate over a suitably located indirect waste receptor or floor drain or extend to the exterior of the building and terminate not less than 6 inches (152 mm) or more than 24 inches (610 mm) above the adjacent ground surface.

### NOTE:

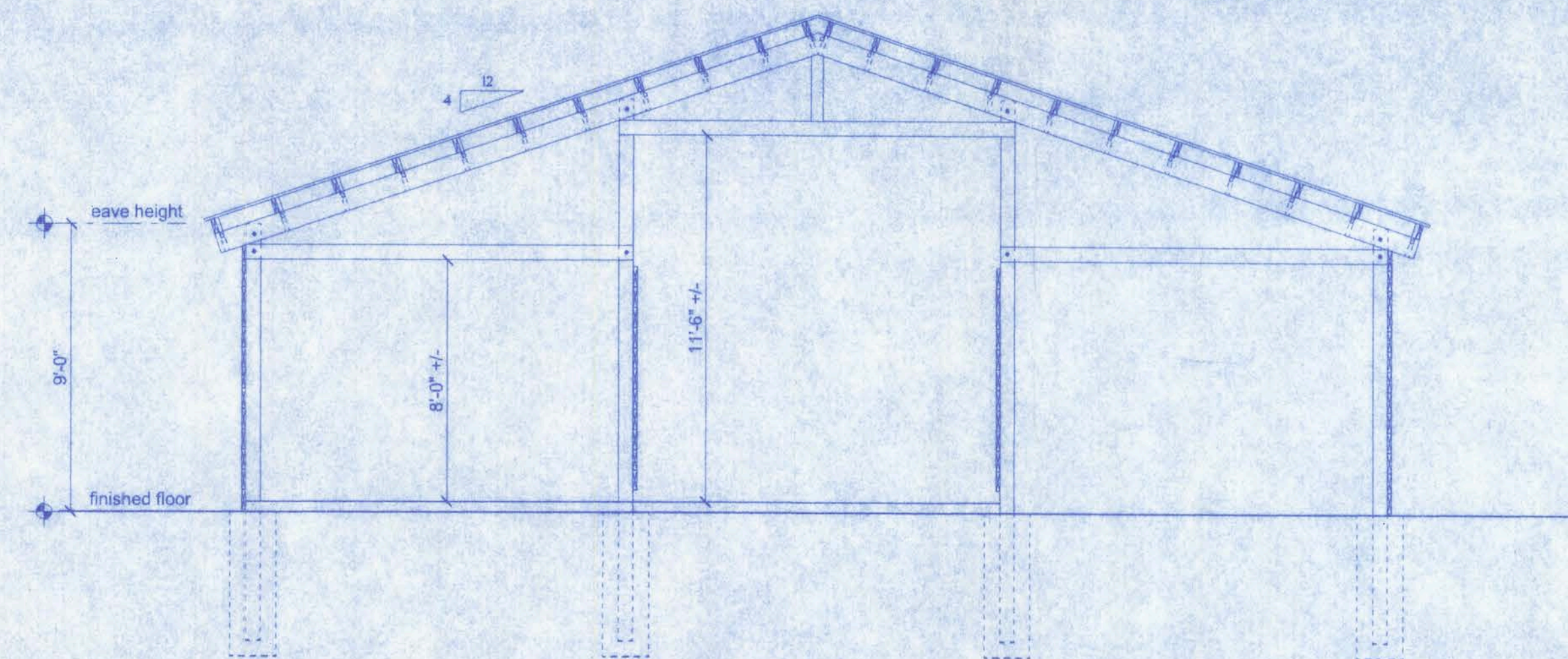
ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, 15 AND 20 AMP OUTLETS INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER LISTED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.

### EMERGENCY EGRESS:

- Every bedroom shall have not less than one outside window for emergency rescue that complies with the following:
- such windows shall be operable from the inside without the use of tools and shall provide a clear opening of not less than 20 inches in width, 24 inches in height, and 5.7 sq. ft. in area;
  - the bottom of the opening shall not be more than 44 inches above the floor, and any latching device shall be capable of being operated from not more than 54 inches above the finished floor;
  - the clear opening shall allow a rectangular solid, with a width and height that provides not less than the required 5.7 sq. ft. opening and depth not less than 20 inches, to pass fully through the opening;
  - such windows shall be accessible by the fire department and shall open into an area having access to a public way.

### NOTE:

Post frame structure is a moment resisting structure and does not require shearwalls constructed per chapter 23 FBC.

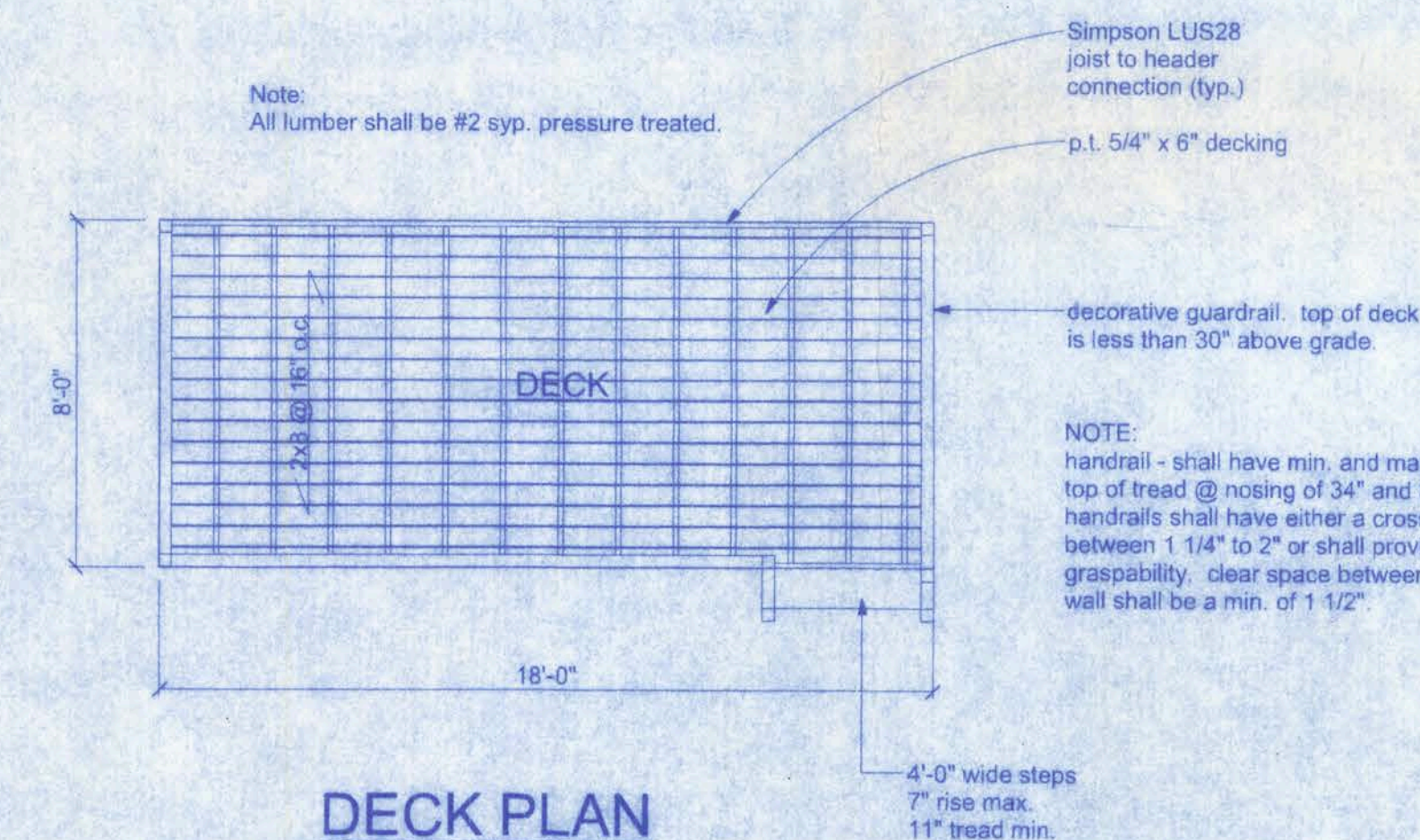


### TYPICAL POST FRAME SECTION

SCALE: 1/4" = 1'-0"  
TYPICAL SPACING 12'-0"

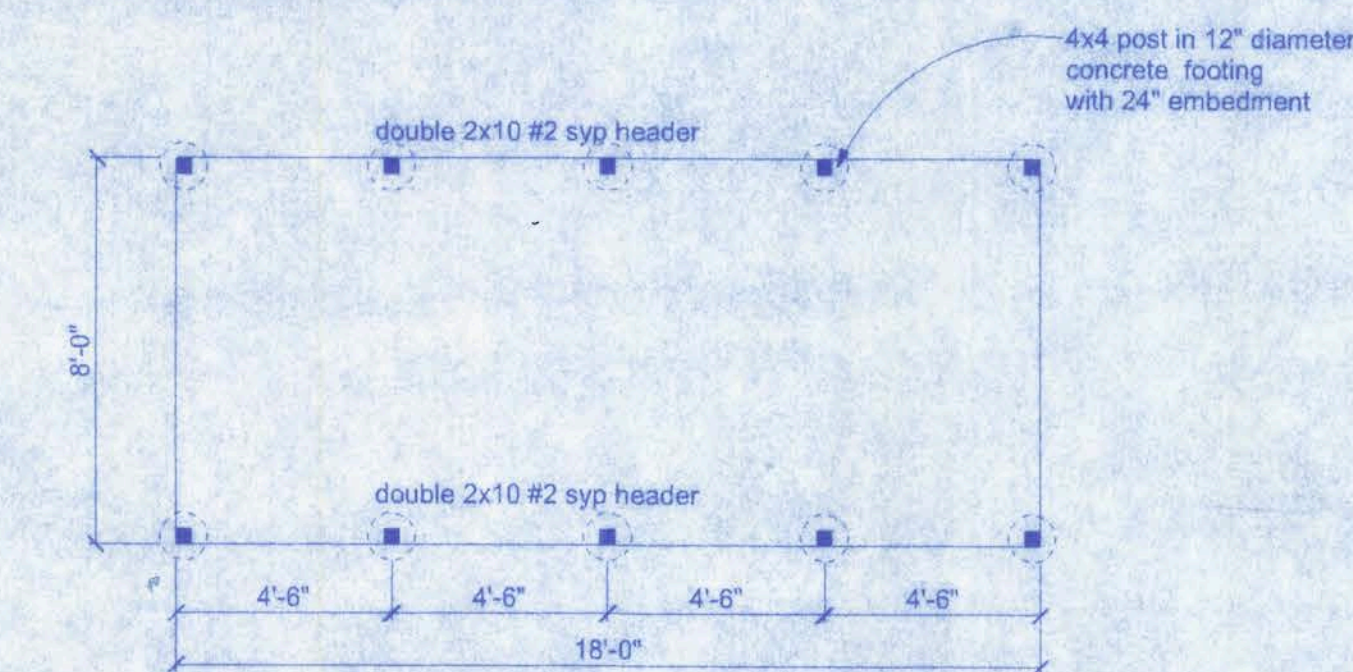
### Note:

All lumber shall be #2 syp. pressure treated.



### DECK PLAN

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



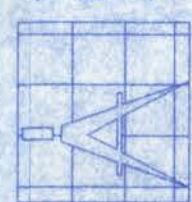
### DECK FOUNDATION

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

## BOYLAN RESIDENCE

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LAKE CITY, FL 32025  
(386)758-4209

CERTIFICATE OF AUTHORIZATION # 0008701



**Freeman**  
Design Group inc

|                        |                    |
|------------------------|--------------------|
| DATE<br>12/04/09       | DRAWN BY<br>W.H.F. |
|                        | APPROVED<br>W.H.F. |
| REVISIONS              |                    |
| SHEET<br>A-3           |                    |
| OF<br>6                |                    |
| PROJECT NO.<br>09.R009 |                    |



Willa H. Lee  
3/1/09  
P.E. #55001

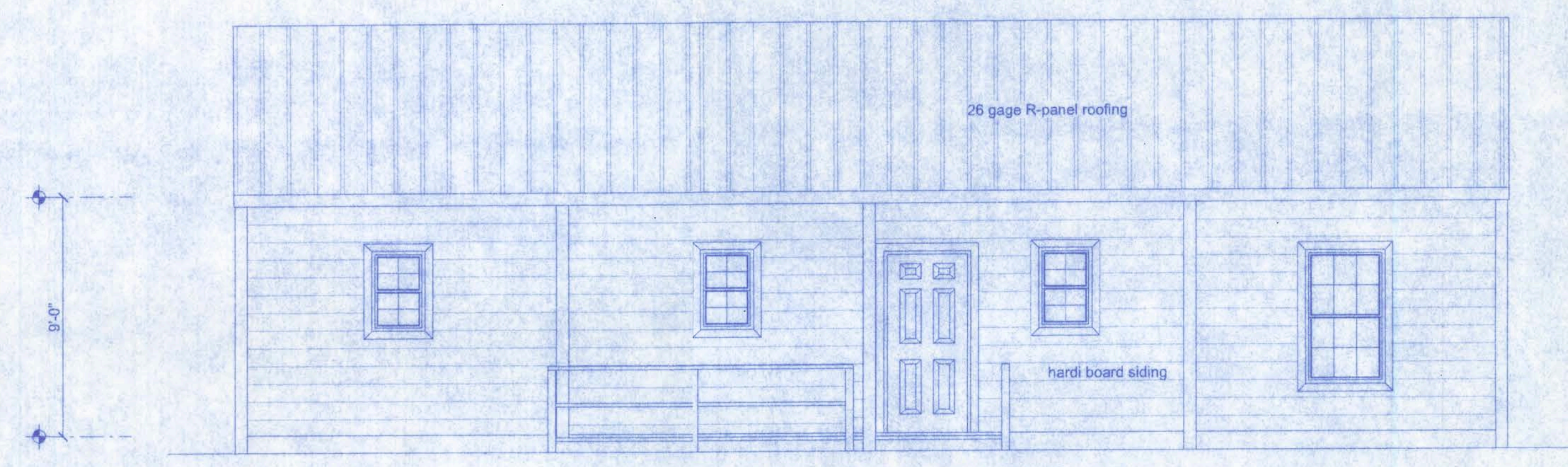
BOYLAN RESIDENCE

128 SW NASSAU STREET  
LAKE CITY, FL 32025  
(800)760-4200

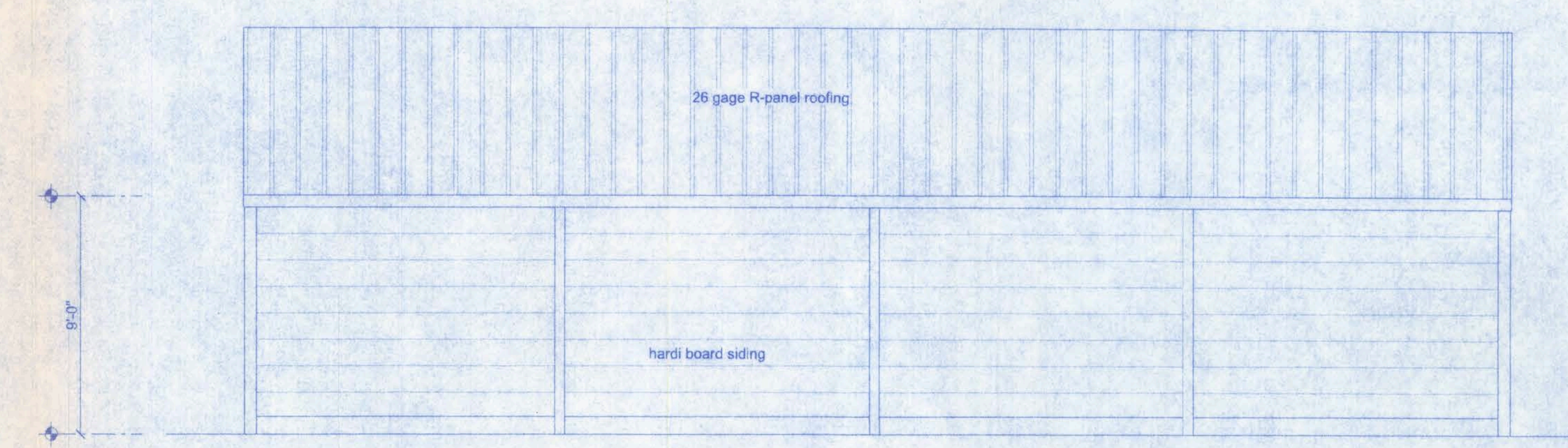
CERTIFICATE OF AUTHORIZATION # 00008701



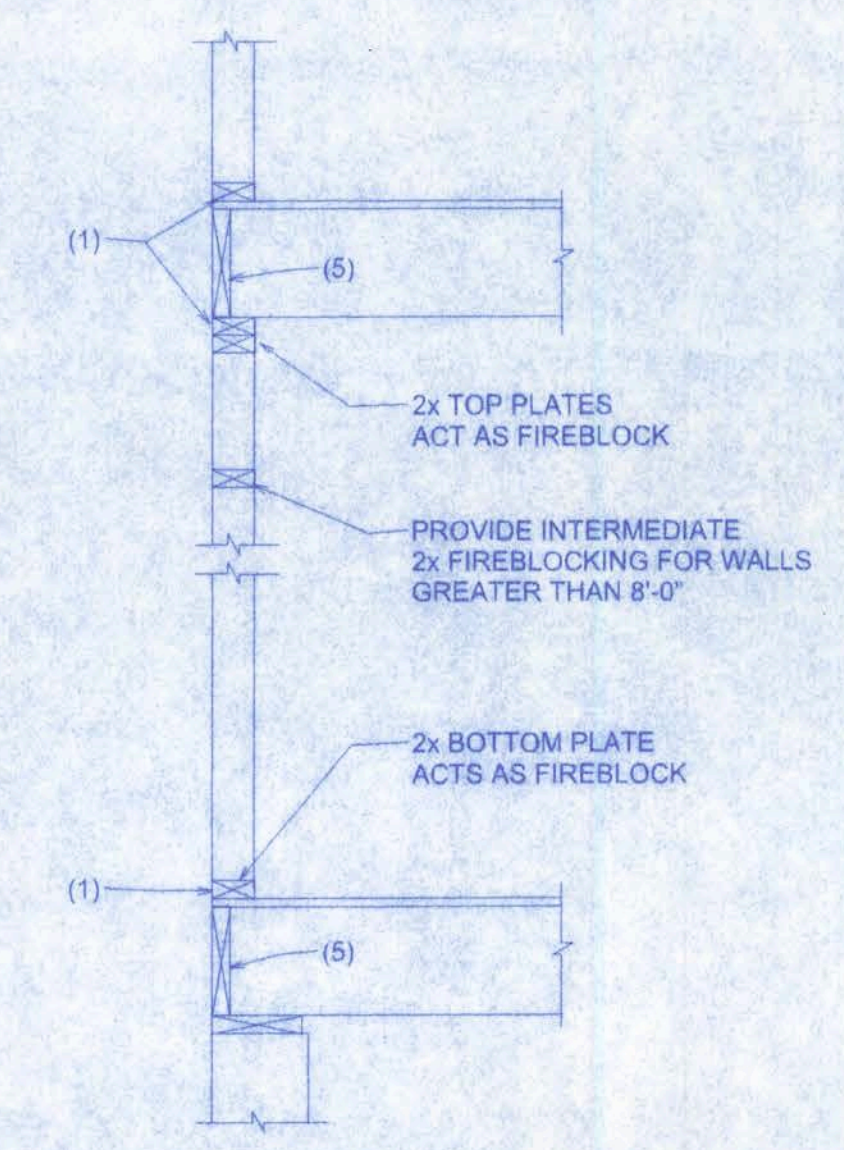
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| DATE        | 02/04/09 | DRAWN BY | W.H.F. |
|             |          | APPROVED | W.H.F. |
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| SHEET       | A-4      |          |        |
| OF          | 6        |          |        |
| PROJECT NO. | 09.1009  |          |        |



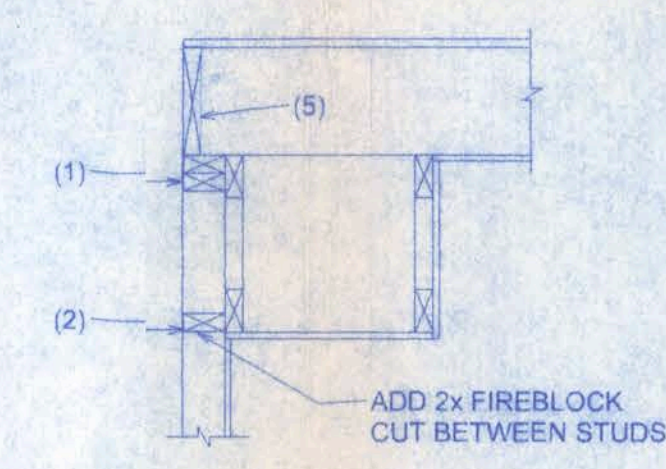
**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"



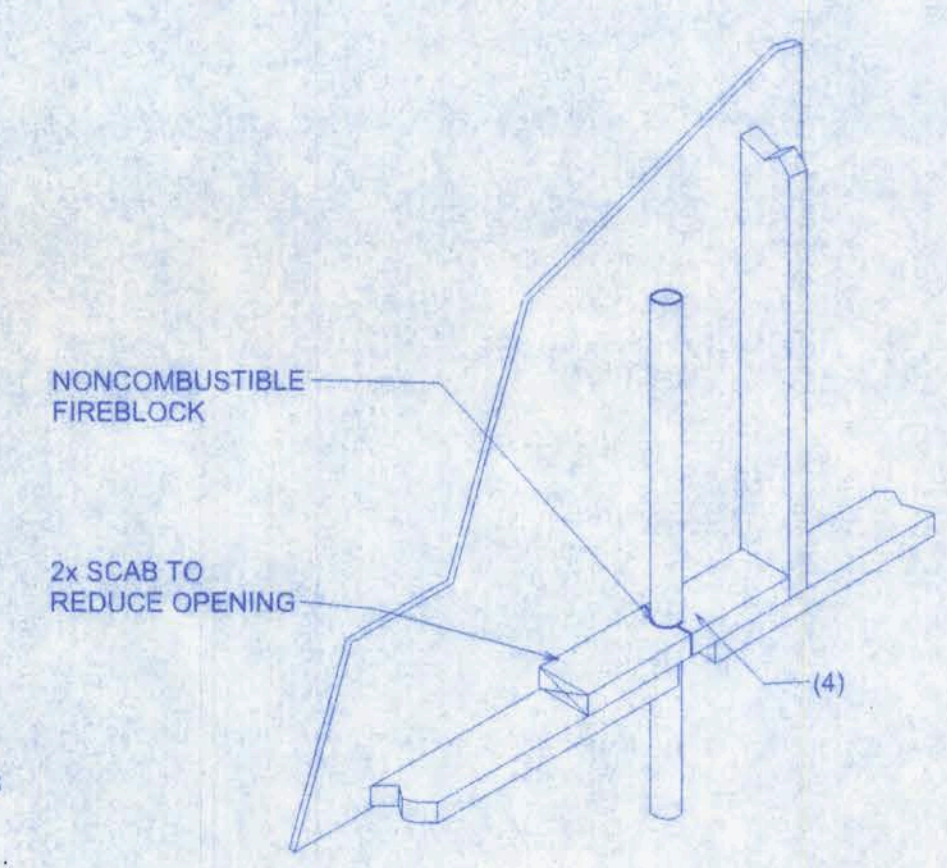
**REAR ELEVATION**  
SCALE: 1/4" = 1'-0"



**PLATFORM FRAMING**



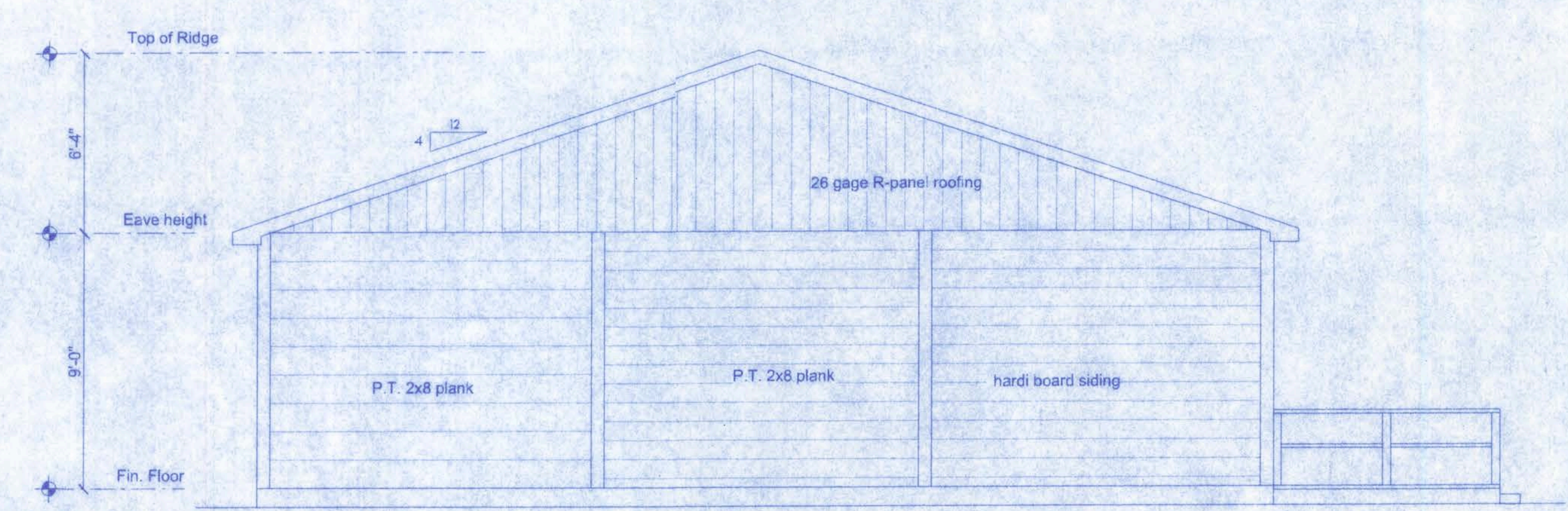
**SOFFIT/DROPPED CLG.**



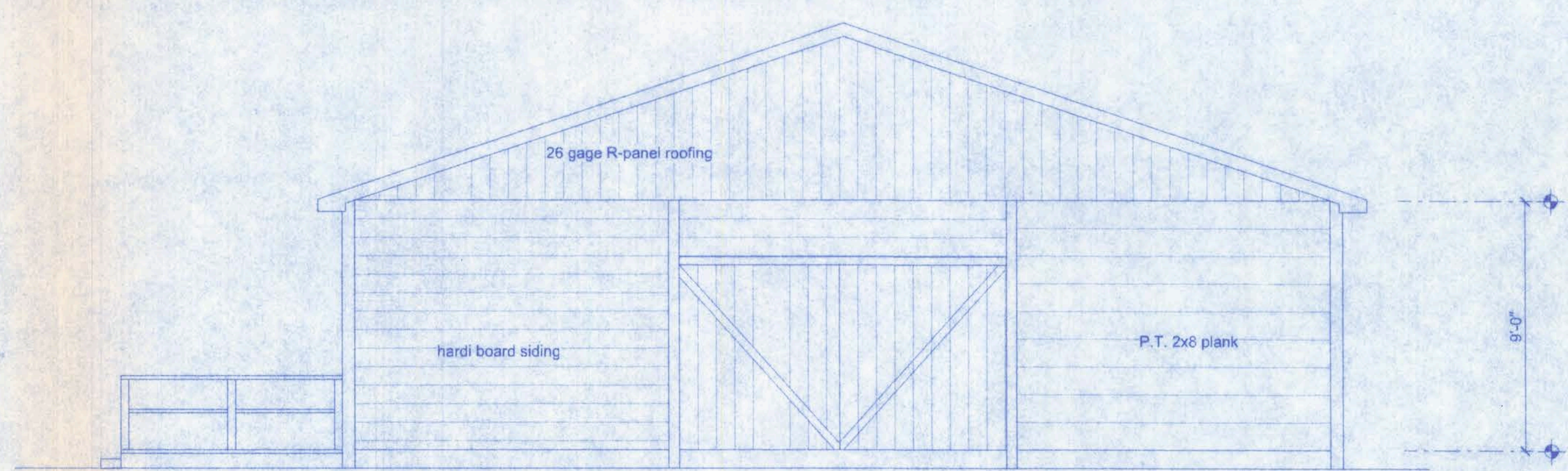
**PENETRATIONS**

**FIREBLOCKING NOTES:**

- FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
  2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
  3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
  4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYROPANEL MULTIFLEX SEALANT
  5. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS. FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

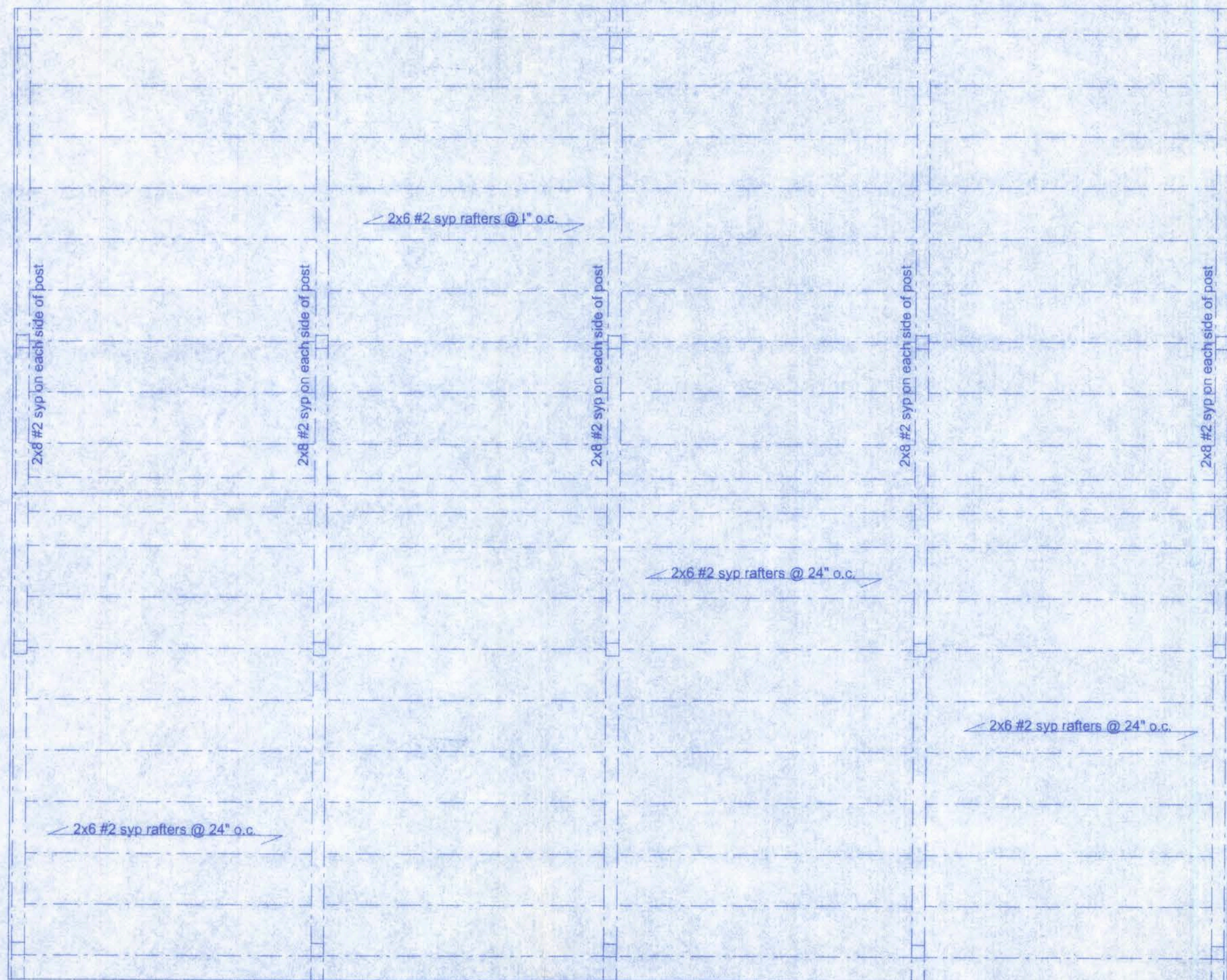


**LEFT ELEVATION**  
SCALE: 1/4" = 1'-0"

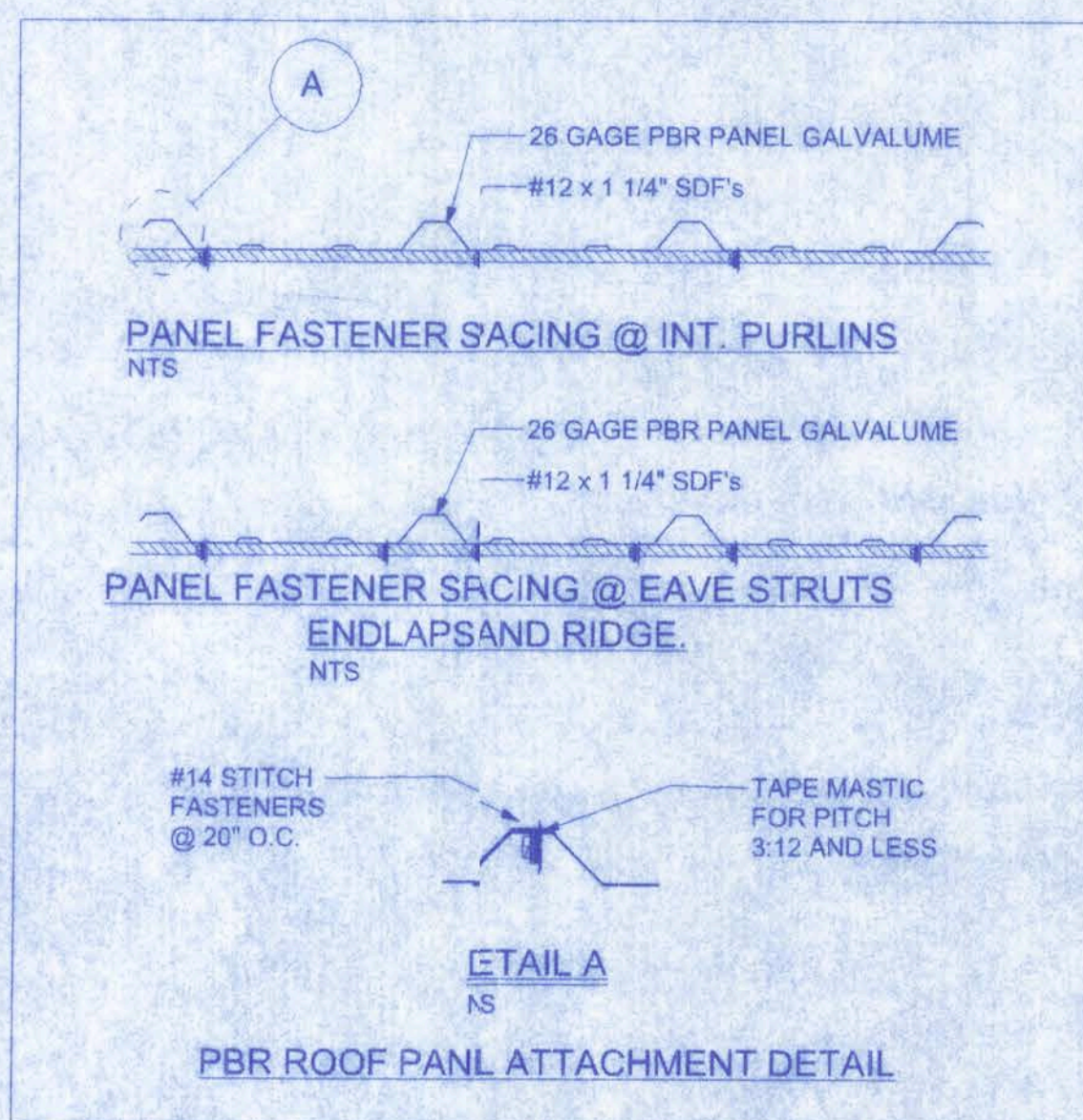


**RIGHT ELEVATION**  
SCALE: 1/4" = 1'-0"





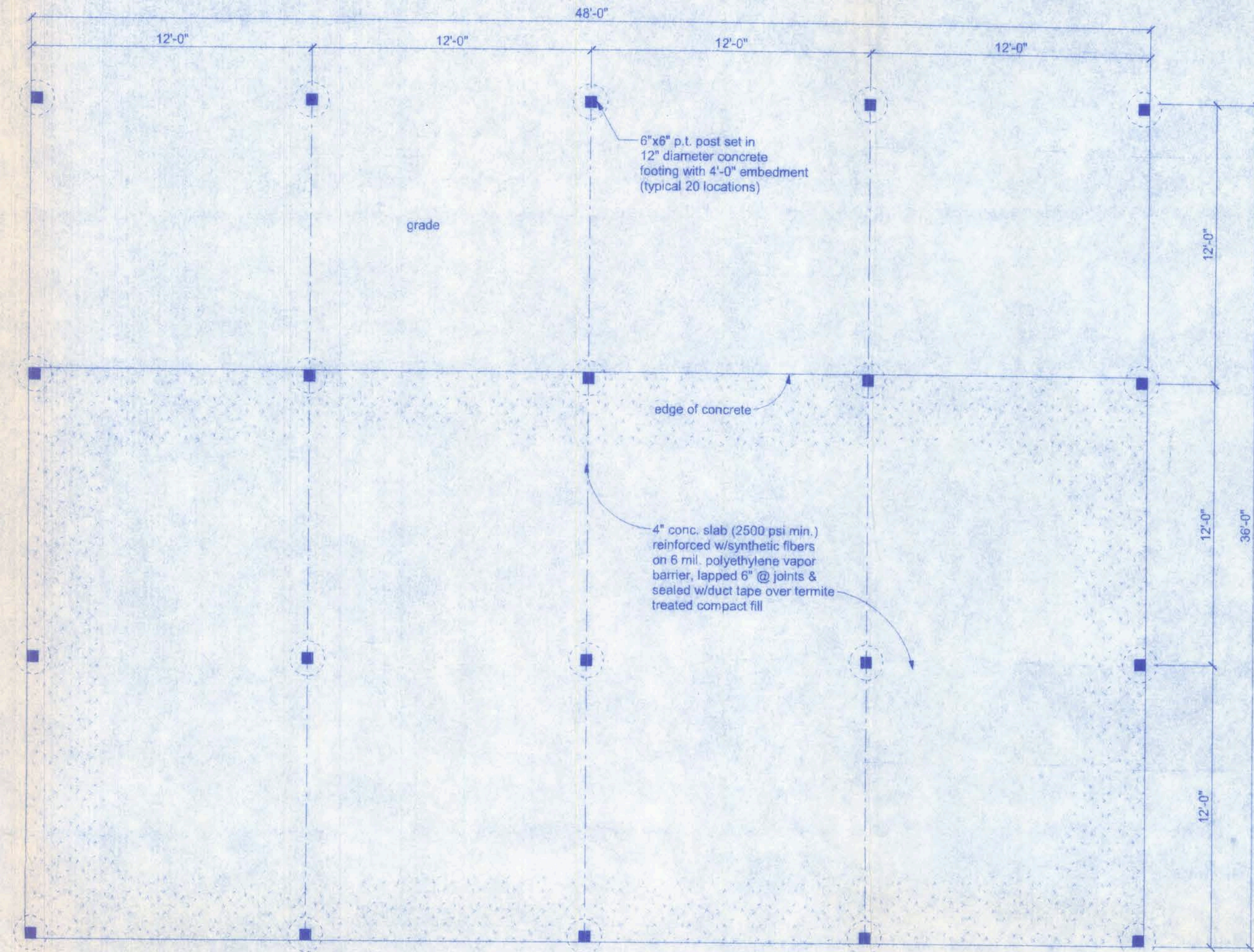
**ROOF PLAN**  
SCALE: 1/4" = 1'-0"



**STEEL COATING RECOMMENDATIONS IN PRESSURE TREATED WOOD:**

- Thicker galvanizing generally extends service life of a product. The treated wood industry recommends use of Stainless Steel and hot-dip galvanized connectors and fasteners with treated wood.
- Due to the uncertainties, which are out of the specifier's control, in regard to the chemicals used in pressure treated wood, Simpson recommends the use of stainless steel fasteners, anchors and connectors with treated wood when possible. At a minimum, customers should use ZMAX (G185 HDG per ASTM A653), Batch/Post Hot-Dip Galvanized (per ASTM A123 for connectors and ASTM A153 for fasteners), or mechanically galvanized fasteners (per ASTM B695, Class 55 or greater), product with the newer alternative treated woods.
- G60 galvanized products should not be used with treated woods.
- G90 galvanized connectors can be used with Sodium Borate (DOT - Disodium Octaborate Tetrahydrate) treated woods. Sodium Borate treated woods are not suitable for applications where moisture exposure is likely. They are suitable for mudsill applications when transported, stored, and installed appropriately.
- When using stainless steel or hot-dip galvanized connectors, the connectors and fasteners should be made of the same material.

| Simpson Strong-Tie Product Finishes | Untreated Wood | Chromated Copper Arsenate (CCA-C) | DOT Sodium Borate (SBX) | Alkaline Copper Quat ACQ-C and ACQ-D (Carbonate) | Copper Azole (CBA-A and CA-B) | SBX (DOT) with NASIO | Ammoniacal Copper Zinc Arsenate (ACZA) | Other Pressure Treated Woods |
|-------------------------------------|----------------|-----------------------------------|-------------------------|--|-------------------------------|----------------------|--|------------------------------|
| Standard (G90)                      | X              | X                                 | X                       |  |                               |                      |  |                              |
| ZMAX (G185)                         | X              | X                                 | X                       | X  | X                             | X                    |  |                              |
| Post Hot-Dip Galvanized (HDG)       | X              | X                                 | X                       | X  | X                             | X                    | X                                      | X                            |
| SST300 (Stainless Steel)            | X              | X                                 | X                       | X  | X                             | X                    | X                                      | X                            |



**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

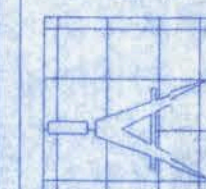
**SLAB REQUIREMENTS**

- JOINTS ARE NOT REQUIRED IN UNREINFORCED PLAIN CONCRETE SLABS ON GROUND OR IN SLABS FOR ONE AND TWO FAMILY DWELLINGS COMPLYING WITH ONE OF THE FOLLOWING:
- CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY THE BUILDING OFFICIAL; OR,
  - CONCRETE SLABS ON GROUND CONTAINING 6x6 W1.4 x W1.4 WELDED WIRE REINFORCEMENT FABRIC LOCATED IN THE MIDDLE TO THE UPPER 1/3 OF THE SLAB. WELDED WIRE REINFORCEMENT FABRIC SHALL BE SUPPORTED WITH APPROVED MATERIAL OR SUPPORTS AT SPACING NOT TO EXCEED 3 FT OR IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. WELDED PLAIN WIRE REINFORCEMENT FABRIC FOR CONCRETE SHALL CONFORM TO ASTM A 185, STANDARD SPECIFICATION FOR STEEL WELDED WIRE REINFORCEMENT FABRIC, PLAIN, FOR CONCRETE REINFORCEMENT.

W. H. H. H.  
3/1/09  
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**Freeman**  
Design Group

CERTIFICATE OF AUTHORIZATION # 00008701

DRAWN BY  
W.H.F.  
DATE  
02/04/09  
APPROVED  
W.H.F.

REVISIONS

SHEET 1-5

OF 6

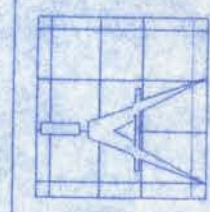
PROJECT NO.  
08/R09



W.H.F. 3/10/09  
P.E. # 59001

# BOYLAN RESIDENCE

128 SW NASSAU STREET  
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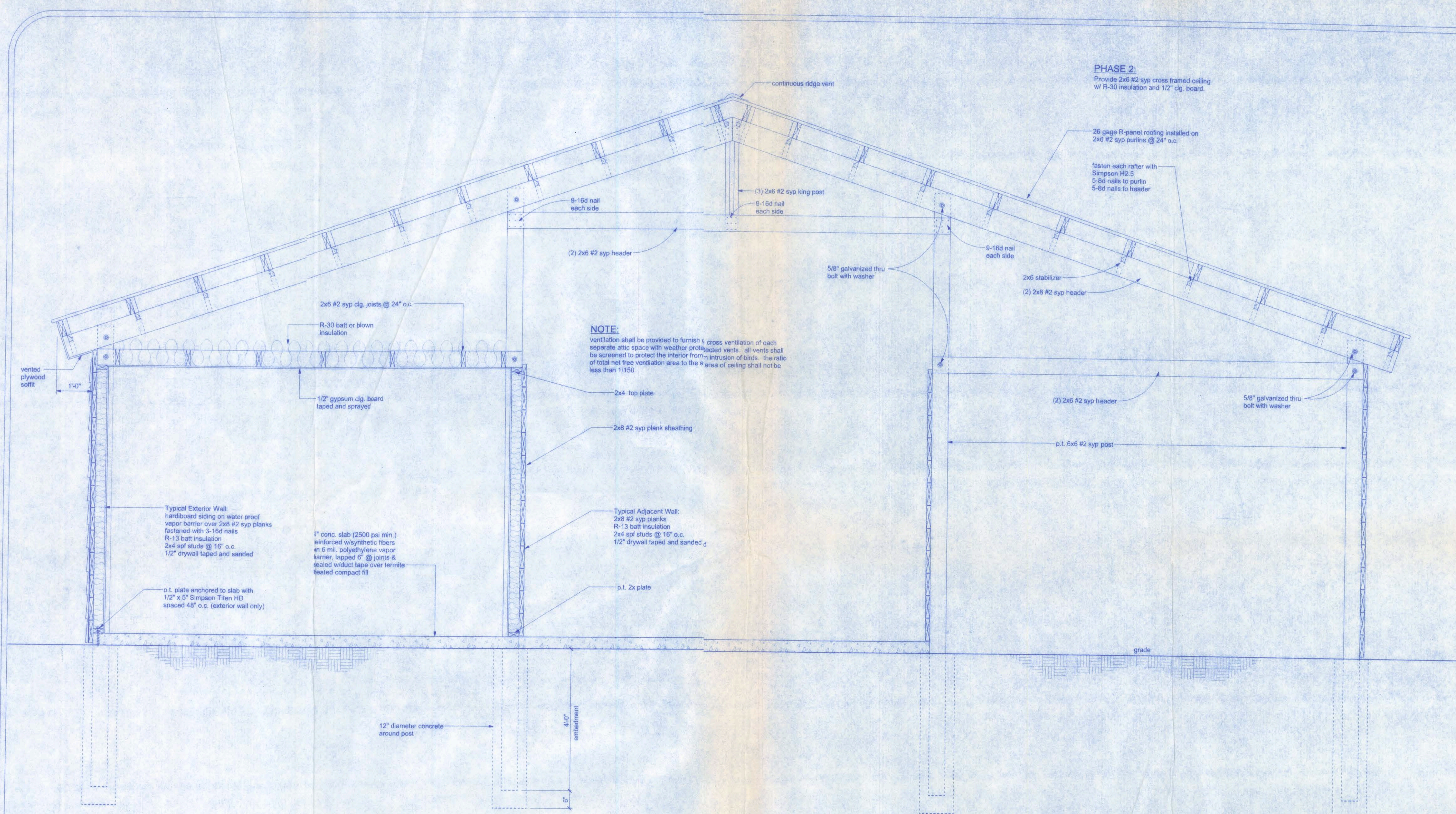


**Freeman**  
Design Group Inc.

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| SHEET       | A-6      |          |        |
| OF          | 6        |          |        |
| PROJECT NO. | 06R009   |          |        |

**PHASE 2:**  
Provide 2x6 #2 syp cross framed ceiling  
w/ R-30 insulation and 1/2" clg. board.



**TYPICAL BAY SECTION**  
SCALE: 3/4" = 1'-0"