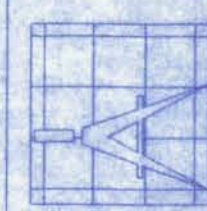


W.H.F. / W.H.F.  
11/9/07  
Pc # 5000

"MAY-FAIR UNIT 3"  
SECTION 11, TOWNSHIP 4 SOUTH, RANGE 16 EAST,  
COLUMBIA COUNTY, FLORIDA

ST. JOHNS MODEL  
MAY-FAIR LOT 48

161 NW MADISON STREET  
SUITE #102  
LAKE CITY, FL. 32055  
(386)738-4209



Freeman  
Design Group

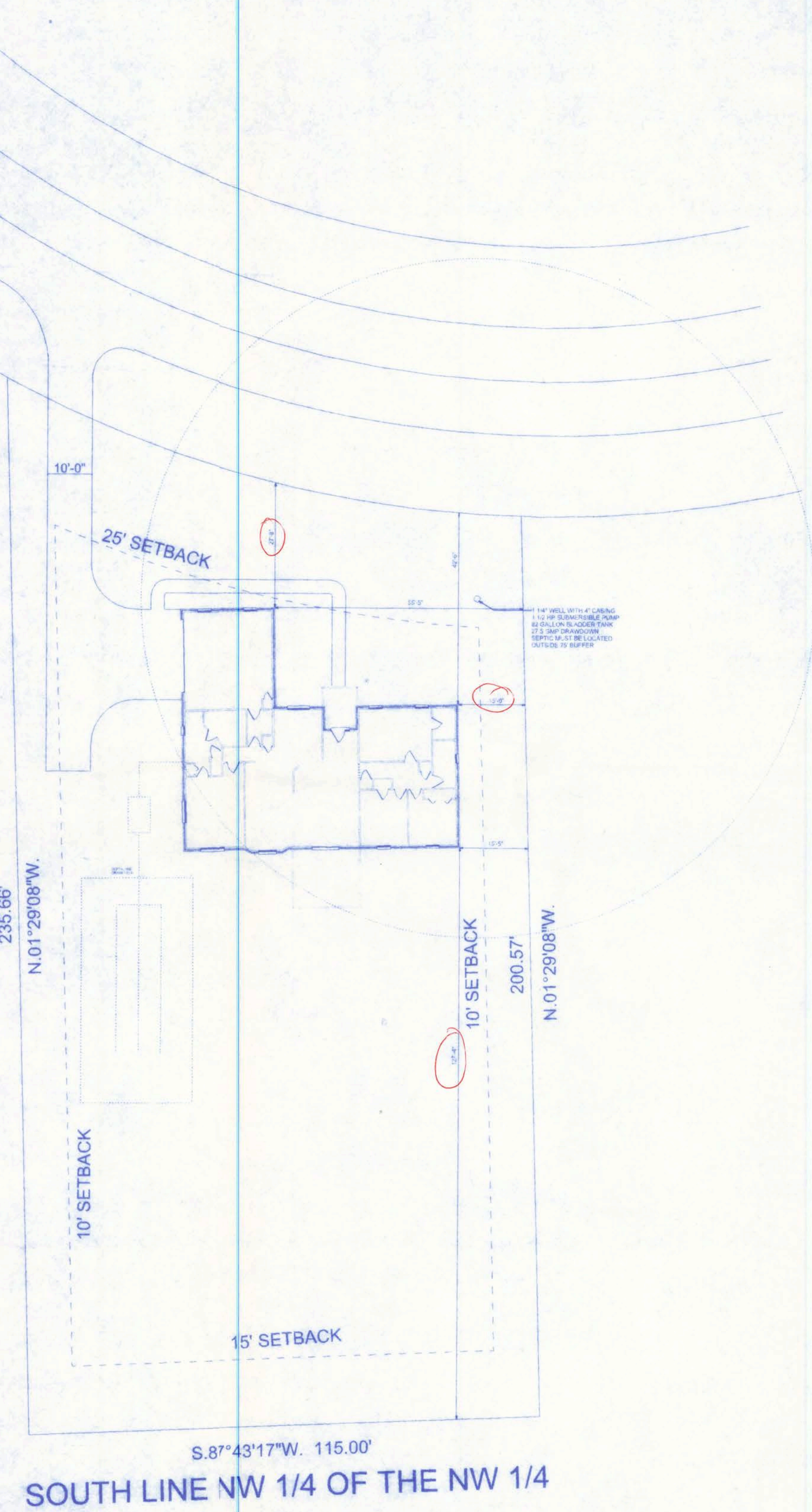
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DATE 11/09/07 DRAWN BY W.H.F.

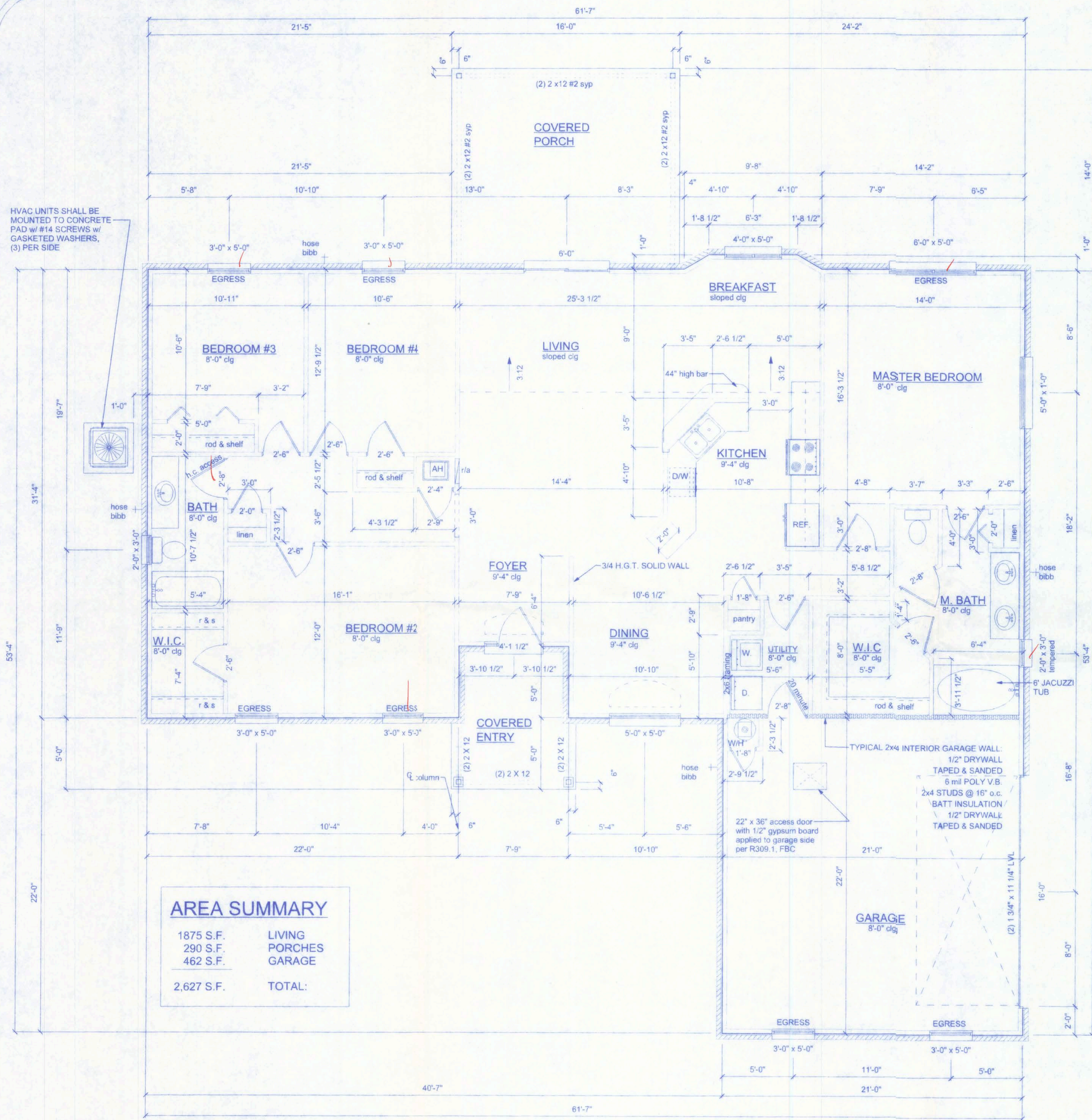
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SHEET SP-1  
OF 1

PROJECT NO.  
07, R052







### AREA SUMMARY

|            |         |
|------------|---------|
| 1875 S.F.  | LIVING  |
| 290 S.F.   | PORCHES |
| 462 S.F.   | GARAGE  |
| 2,627 S.F. | TOTAL:  |

### FLOOR PLAN

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

| PRODUCT CODE                               | SIZE                           | COUNT |
|--|--------------------------------|-------|
| 60x80 Thermo Tru Steel Door w/ Sidelites   | 3'-0" x 6'-8"<br>1'-0" x 6'-8" | 1     |
| Better Bilt 2-Panel Patio Doors Series 470 | 70" x 80"                      | 1     |
| 16' x 7" Amaar Steel Garage Door           | 16'-0" X 7'-0"                 | 1     |
| 2668 BiFold Masonite Door                  | 2'-6" X 6'-8"                  | 1     |
| 5068-2 BiFold Masonite Doors               | 5'-0" X 6'-8"                  | 1     |
| 1868 Masonite Door                         | 1'-8" X 6'-8"                  | 2     |
| 2068 Masonite Door                         | 2'-0" X 6'-8"                  | 1     |
| 2468 Masonite Door                         | 2'-4" X 6'-8"                  | 1     |
| 2668 Masonite Door                         | 2'-6" X 6'-8"                  | 6     |
| 2868 Masonite Door                         | 2'-8" X 6'-8"                  | 6     |
| 5010 Transom                               | 5'-0" x 1'-0"                  | 1     |
| SH 2030                                    | 2'-0" x 3'-0"                  | 2     |
| 5060 Archtop                               | 5'-0" x 6'-0"                  | 1     |
| (2) 3050                                   | 6'-0" x 5'-0"                  | 1     |
| SH 3050                                    | 3'-0" x 5'-0"                  | 5     |
| SH 4060                                    | 4'-0" x 6'-0"                  | 2     |
| SH 4050                                    | 4'-0" x 5'-0"                  | 1     |

NOTE:  
EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION:

ANSI/AAMA/NWDDA 101/S2 2/97

THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH ASTM E 330, STANDARD TEST METHODS FOR STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE.

EMERGENCY EGRESS:  
EVERY BEDROOM SHALL HAVE NOT LESS THAN ONE OUTSIDE WINDOW FOR EMERGENCY RESCUE THAT COMPLIES WITH THE FOLLOWING:  
1. SUCH WINDOWS SHALL BE OPENABLE 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 SQFT IN AREA.  
2. THE BOTTOM OF THE OPENING SHALL BE NOT 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.  
3. THE CLEAR OPENING SHALL ALLOW A RECTANGULAR SOLID, WITH A WIDTH AND HEIGHT THAT PROVIDES NOT LESS THAN THE REQUIRED 5.7 SQFT OPENING AND A DEPTH NOT LESS THAN 20 INCHES, TO PASS FULLY THROUGH THE OPENING.  
4. SUCH WINDOWS SHALL BE ACCESSIBLE BY THE FIRE DEPARTMENT AND SHALL OPEN INTO AN AREA HAVING ACCESS TO A PUBLIC WAY.

DUCT PENETRATION:  
ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage sheet steel or other approved material and shall have no openings into the garage.

OPENING PROTECTION:  
openings from a private garage directly into a room used for sleeping purposes shall not be permitted. other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8" in thickness, solid or honeycomb steel doors not less than 1 3/8" thick, or a 20-minute fire rated doors.

SEPARATION REQUIRED:  
the garage shall be separated from the residence and its attic area by not less than 1/2" gypsum board applied to the garage side. garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8" Type X gypsum board or equivalent. where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2" gypsum board or equivalent.

NOTE:  
DUCTS THAT EXHAUST CLOTHES DRYERS SHALL NOT PENETRATE OR BE LOCATED WITHIN ANY FIREBLOCKING OR FIRE RATED WALL OR CEILING ASSEMBLY.

NOTE:  
THE MINIMUM NATURAL VENTILATION AREA REQUIRED FOR GARAGES SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED. THE MINIMUM MECHANICAL VENTILATION FOR GARAGES SHALL BE 100 CFM PER CAR.

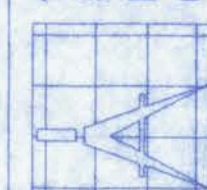
NOTE:  
CONDENSATE WASTE AND DRAIN LINE SIZE SHALL BE NOT LESS THAN 3/4" INTERNAL DIAMETER AND SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE PLACE OF CONDENSATE DISPOSAL.

NOTE:  
THE MINIMUM NATURAL VENTILATION AREA REQUIRED FOR GARAGES SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED. THE MINIMUM MECHANICAL VENTILATION FOR GARAGES SHALL BE 100 CFM PER CAR.

NOTE:  
APPLIANCES LOCATED IN PRIVATE GARAGES SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 6 FEET ABOVE THE FLOOR EXCEPT WHERE THE APPLIANCE IS PROTECTED FROM MOTOR VEHICLE IMPACT. EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18" ABOVE THE FLOOR.

## MAY-FAIR SUBDIVISION LOT #48

161 NW MADISON STREET  
SUITE #102  
LAKE CITY, FL 32055  
(386) 758-4209



**Freeman**  
Design Group  
INC.

DATE: 11/24/07  
DRAWN BY: W.H.F.

REVISIONS

SHEET: A-1

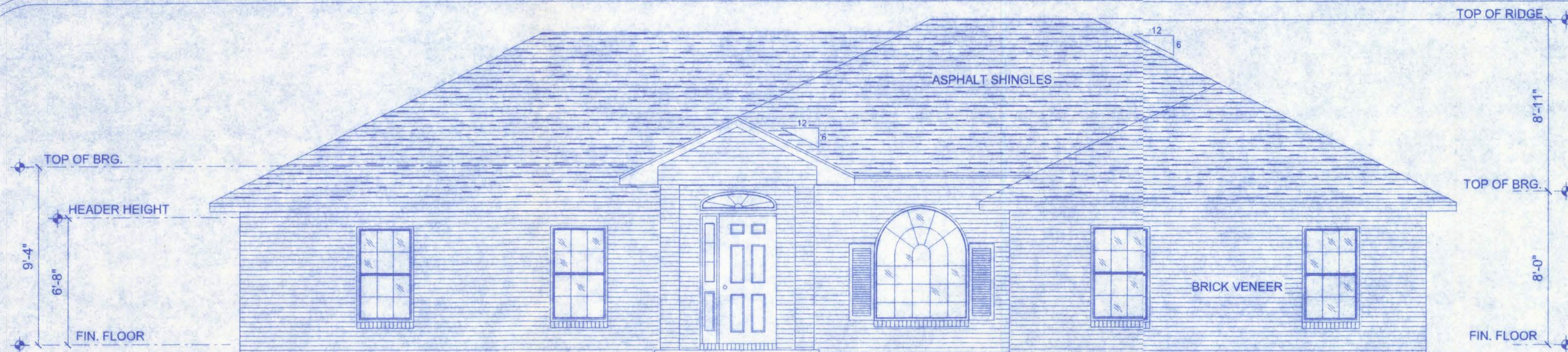
OF: 6

PROJECT NO.

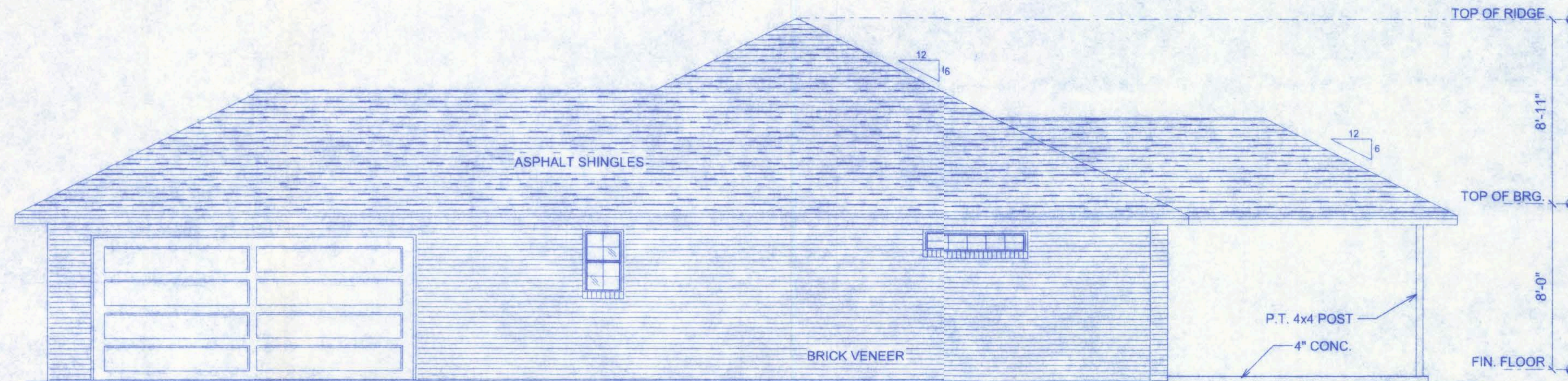
07.R052

CERTIFICATE OF AUTHORIZATION # 00089701

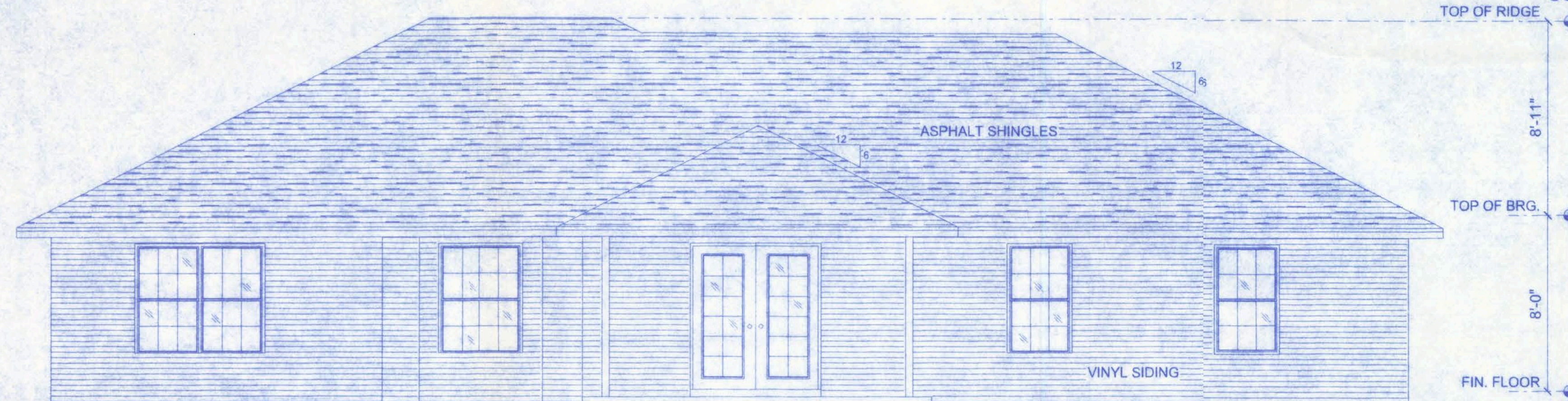




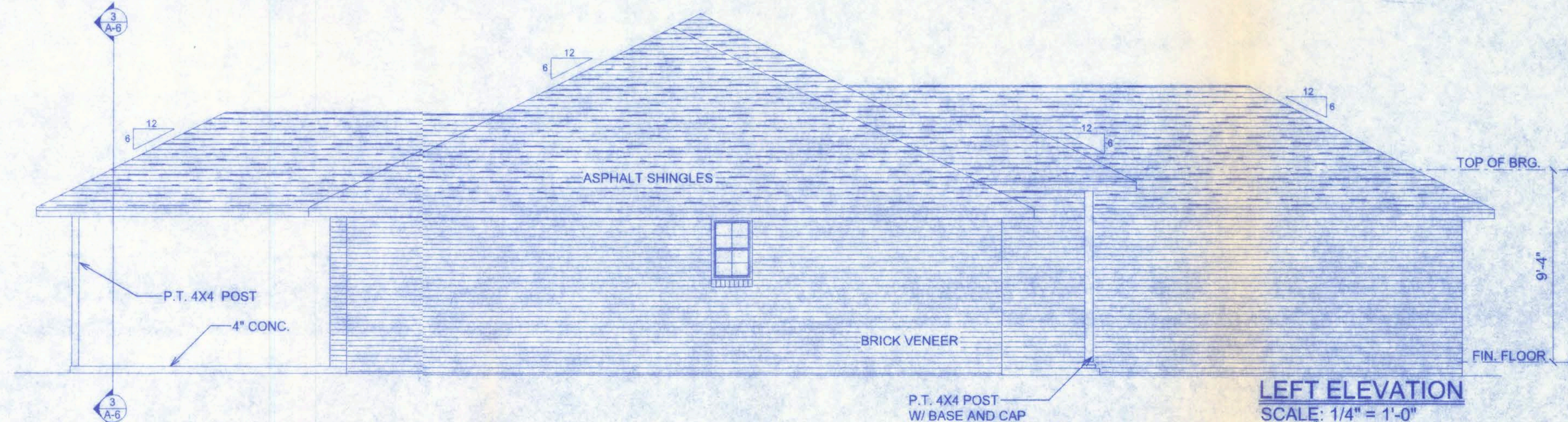
**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"



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



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



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

**NOTE:**  
THE RIDGE HEIGHT IS GIVEN FOR MEAN ROOF HEIGHT DETERMINATION ONLY. DO NOT USE THIS DIMENSION FOR ROOF CONSTRUCTION.

**NOTE:**  
VENTILATE ROOF TO 1/300TH OF INSULATED CEILING AREA (2349 SF / 300 = 7.83 SF = 1127.5 SQ. IN.)

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE WORK DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
7. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABELS LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

**CONSTRUCTION DOCUMENTS:**

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITY FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR REVIEWING THE PLANS AND VERIFYING ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION INCLUDING FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

**DO NOT SCALE THESE PLANS:**

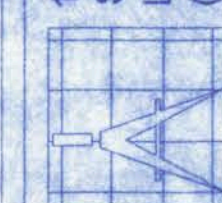
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATION OF THOSE ITEMS NOT DIMENSIONED.

**CHANGES TO PLAN SETS:**

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT/ENGINEER. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATIONS ON THE PLANS.

**MAY-FAIR SUBDIVISION  
LOT #48**

161 NW MADISON STREET  
SUITE #102  
LAKE CITY, FL 32065  
(386) 758-4209



**Freeman  
Design Group**  
INC.

DATE: 11/07/07  
DRAWN BY: W.H.F.

REVISIONS

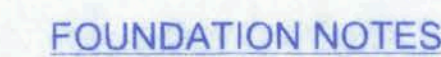
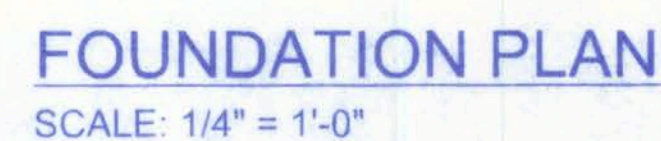
SHEET: A-2

OF: 6

PROJECT NO:  
07.R052

CERTIFICATE OF AUTHORIZATION # 00062701





### 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:

1. CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 INCH TO 2 IN IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION. 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 W14 x W14 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 WIRE REINFORCEMENT FABRIC FOR CONCRETE SHALL CONFORM TO ASTM A 185, STANDARD SPECIFICATION FOR STEEL WELDED WIRE REINFORCEMENT FABRIC, PLAIN, FOR CONCRETE REINFORCEMENT.
- 2.

MAY-FAIR SUBDIVISION  
LOT #48

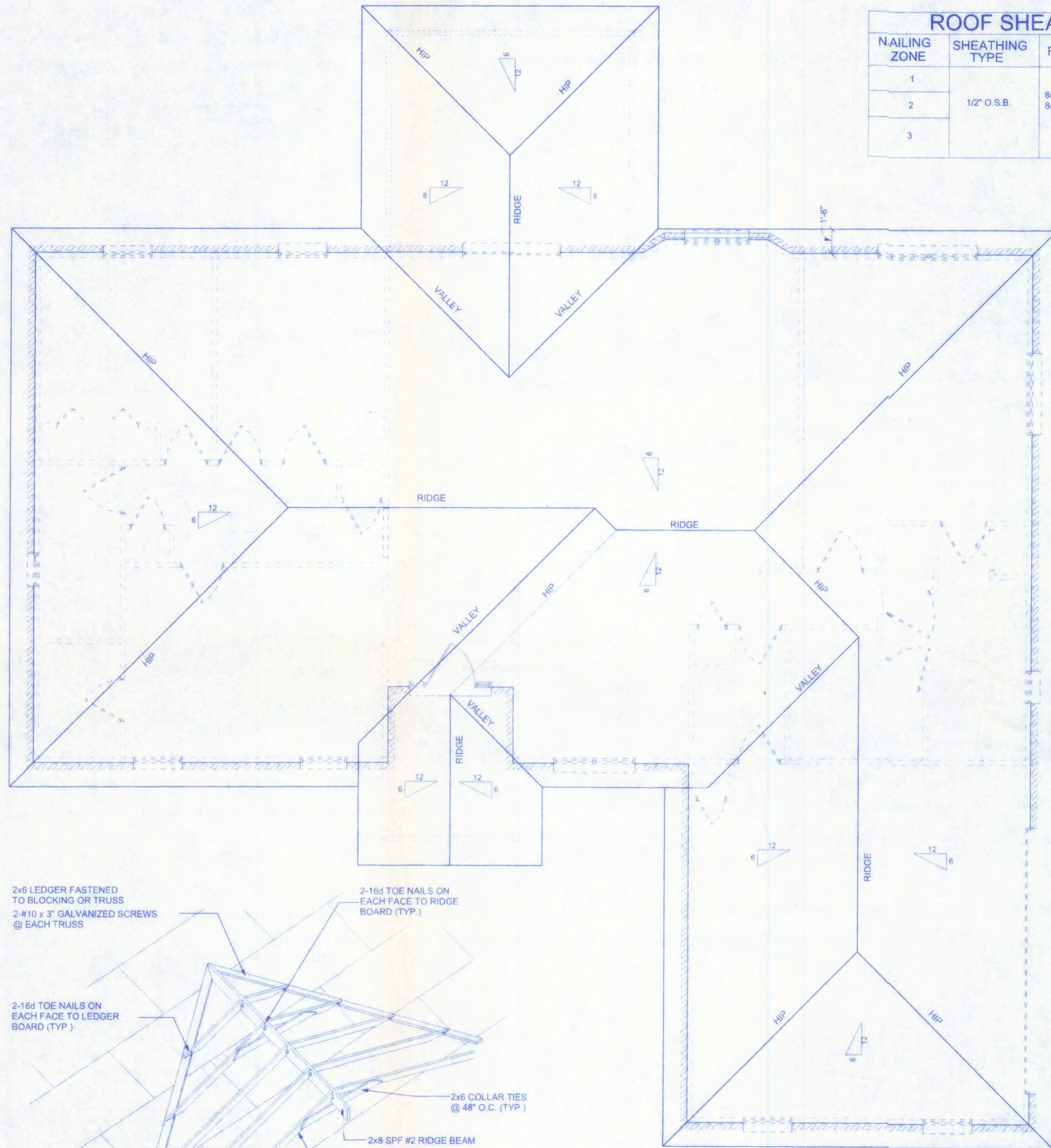
161 NW MADISON STREET  
SUITE #102  
LAKE CITY, FL. 32055  
(386)758-4209

CERTIFICATE OF AUTHORIZATION # 00008701

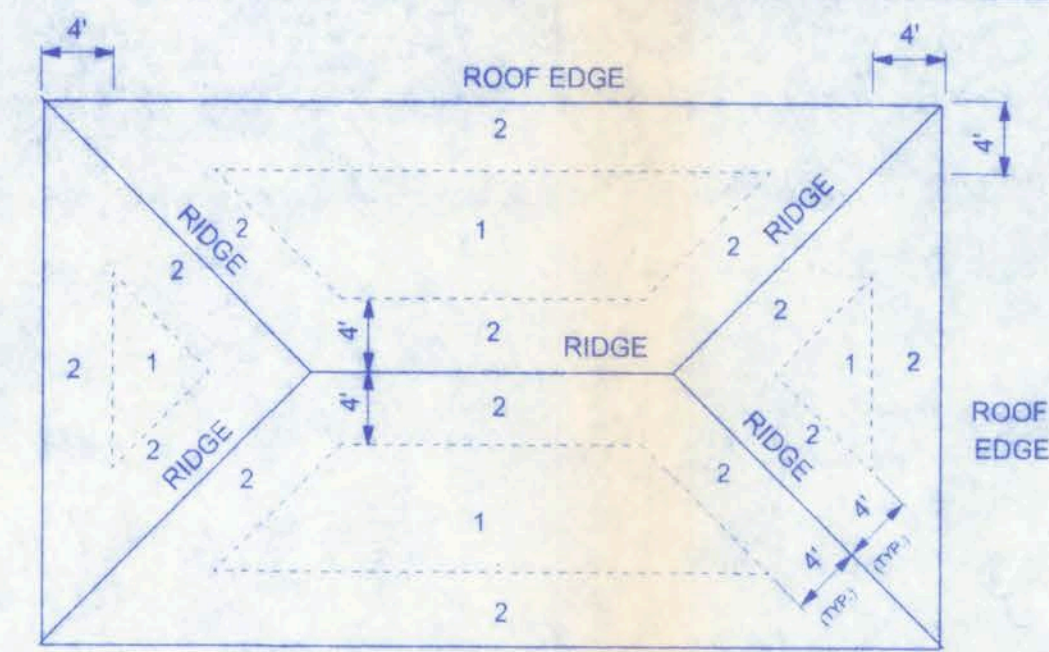
**Freeman**  
Design Group

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| DATE<br>11/03/97<br>[redacted] | DRAWN BY<br>W.H.F. |
| REVISIONS                      |                    |
| SHEET A-3                      |                    |
| OF                             | 6                  |
| PROJECT NO.<br>07.R052         |                    |

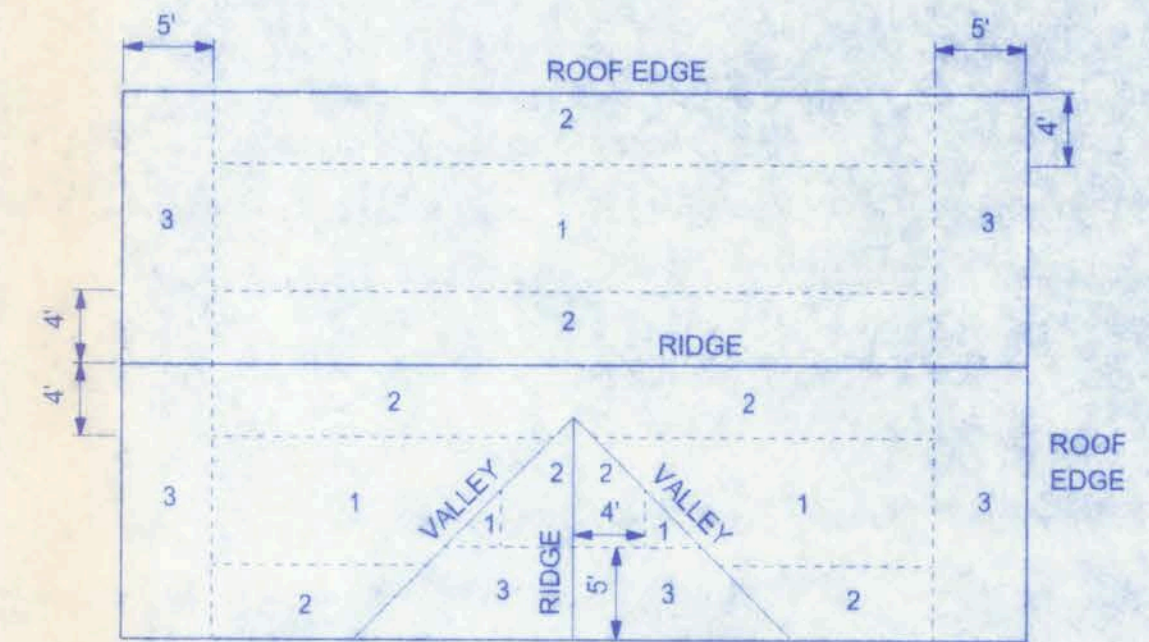




| ROOF SHEATHING FASTENINGS |                |   |  |
|---------------------------|----------------|---|--|
| NAILING ZONE              | SHEATHING TYPE | FASTENER  | SPACING  |
| 1                         | 1/2" O.S.B.    | 8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS | 6 in. o.c. EDGE<br>12 in. o.c. FIELD   |
| 2                         |                |   | 6 in. o.c. EDGE<br>6 in. o.c. FIELD  |
| 3                         |                |   | 4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS<br>6 in. o.c. EDGE<br>6 in. o.c. FIELD |



ROOF SHEATHING NAILING ZONES (HIP ROOF)



ROOF SHEATHING NAILING ZONES (GABLE ROOF)

**DECK REQUIREMENTS:**  
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

**SLOPE:**  
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DOUBLE UNDERLAYMENT IS REQUIRED.

**UNDERLAYMENT:**  
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM WITH ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.

**SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:**  
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY WITH ASTM D 1970.

**ASPHALT SHINGLES:**  
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

**FASTENERS:**  
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE ROOF SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

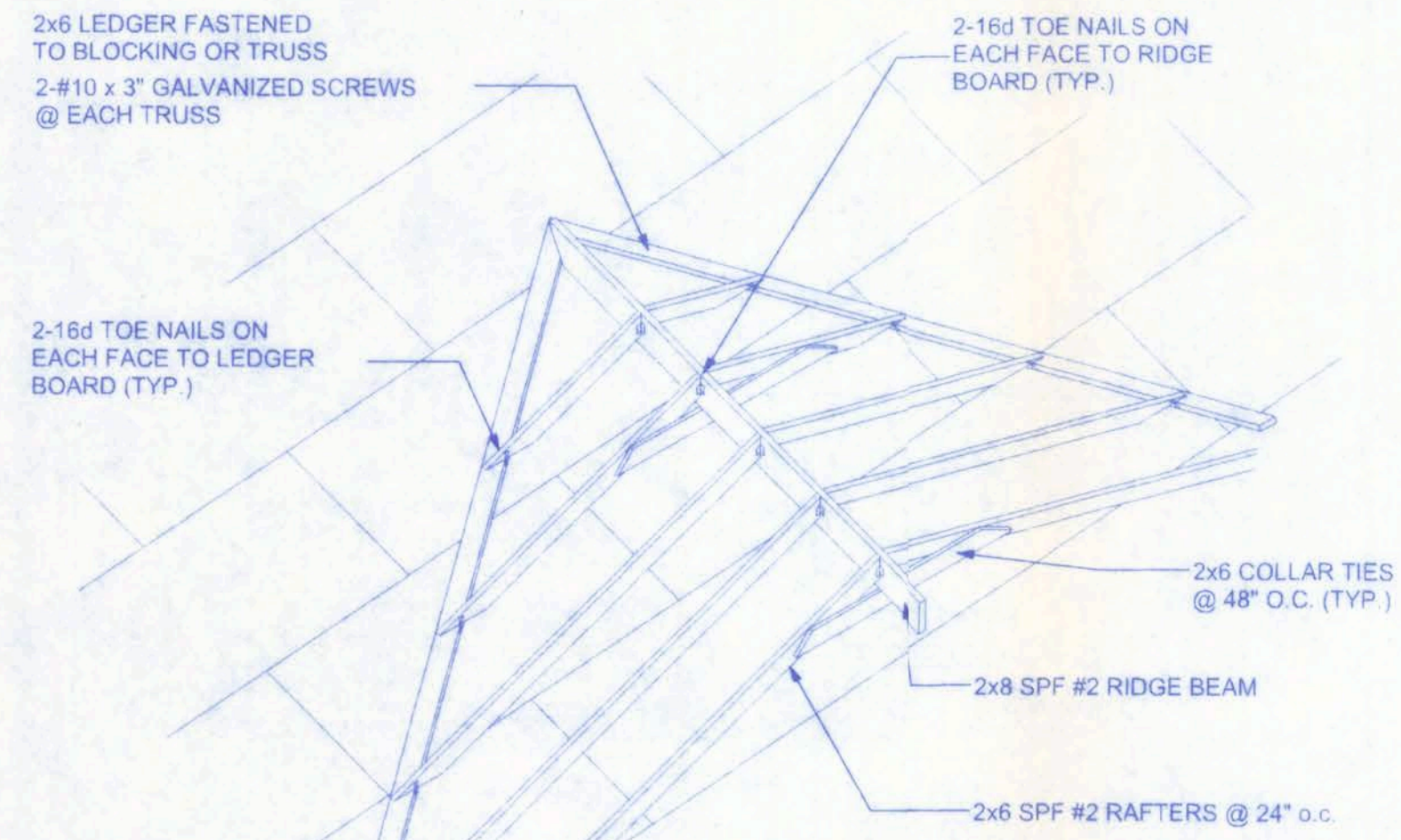
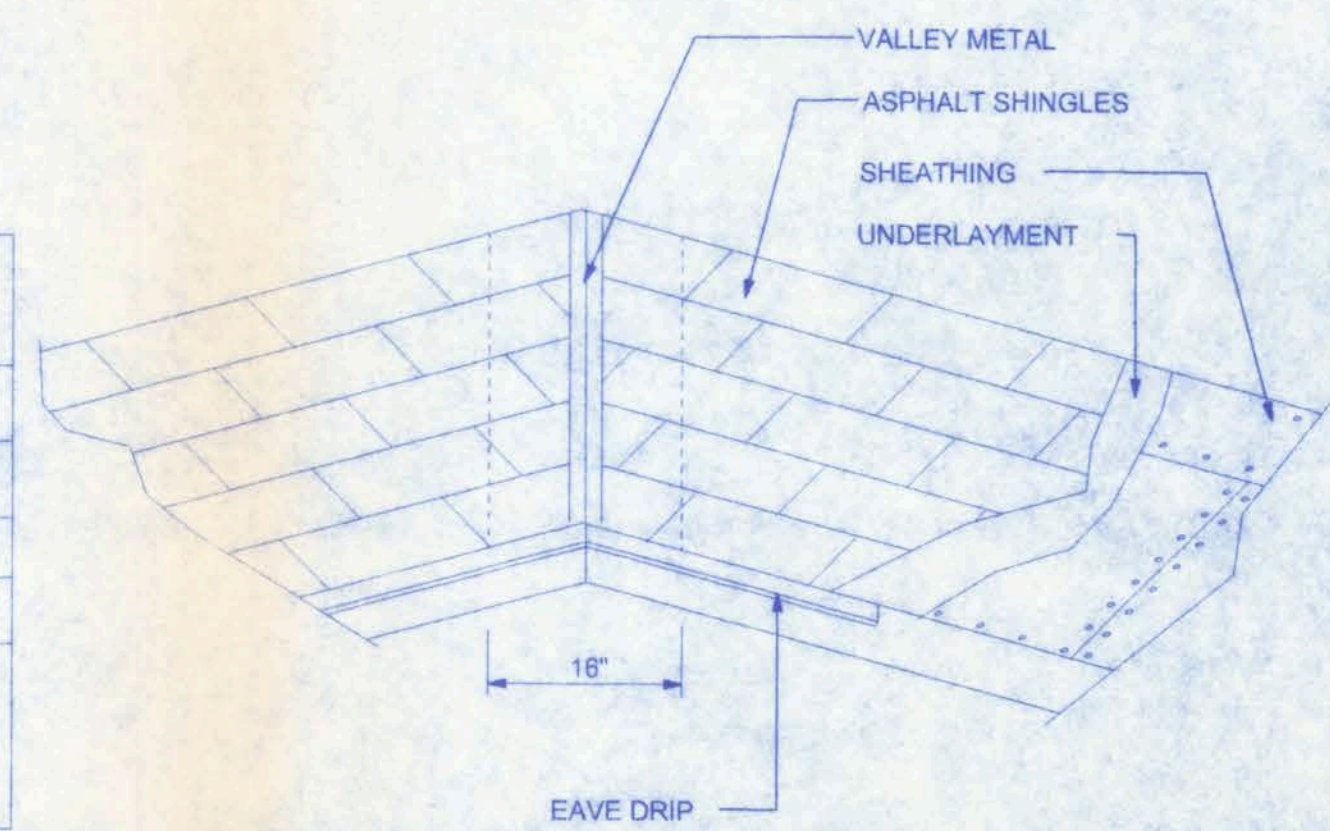
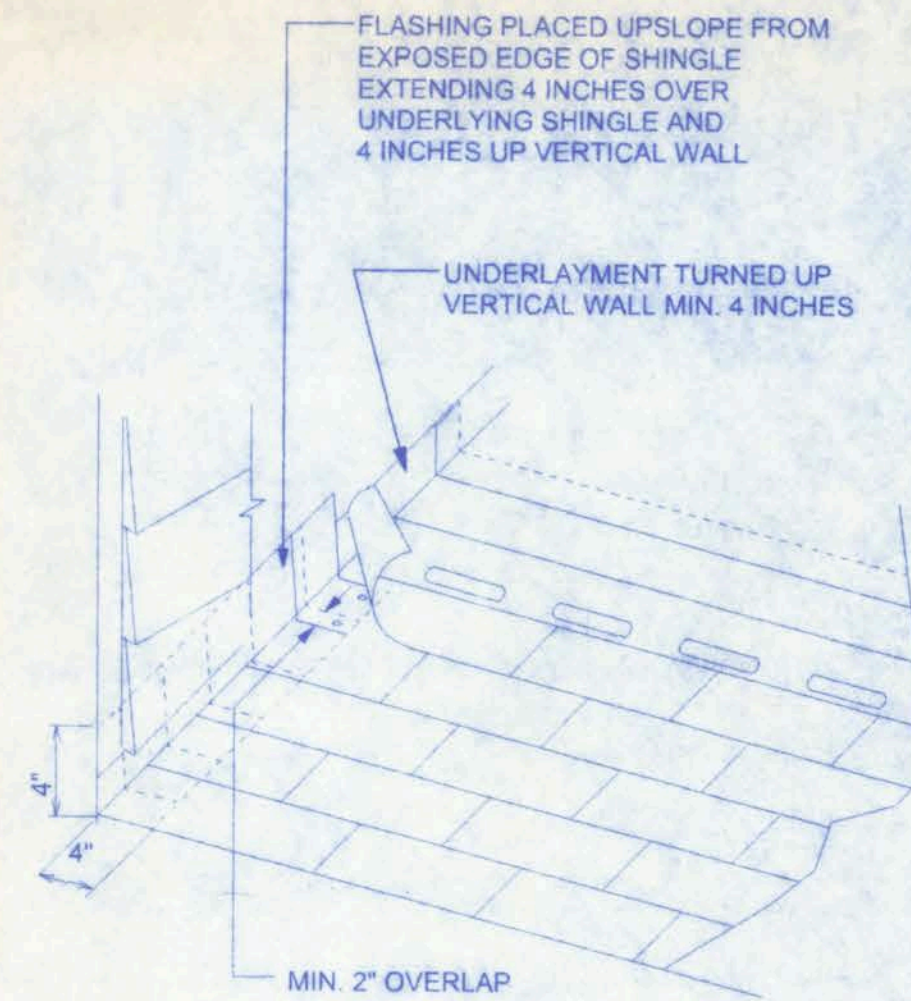
**ATTACHMENT:**  
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

**UNDERLAYMENT APPLICATION:**  
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.  
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:  
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

**BASE AND CAP FLASHINGS:**  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

**VALLEYS:**  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:  
1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16 INCHES WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN TABLE 1507.3.9.2  
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.  
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:  
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.  
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.  
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.



ROOF INTERSECTION CONNECTION DETAIL

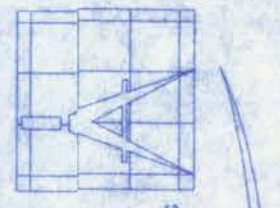
| CONNECTOR SCHEDULE FOR TRUSS ANCHORAGE |              |              |                       |              |
|--|--------------|--------------|-----------------------|--------------|
| CONNECTOR                              | TRUSS        | TOP PLATE    | UPLIFT PROVIDED       | MANUFACTURER |
| H2 5                                   | 5-8d NAILS   | 5-8d NAILS   | 365 LBS               | SIMPSON      |
| H10                                    | 8-8d NAILS   | 8-8d NAILS   | 850 LBS               | SIMPSON      |
| MTS12                                  | 7-10d NAILS  | 7-10d NAILS  | 1,000 LBS             | SIMPSON      |
| H16                                    | 2-10d NAILS  | 10-10d NAILS | 1,300 LBS             | SIMPSON      |
| (2)HTS20                               | 10-10d NAILS | 10-10d NAILS | 2 x 1,450 = 2,900 LBS | SIMPSON      |

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

| MATERIAL                      | MINIMUM THICKNESS (in) | GAGE                 | WEIGHT (LB) |
|-------------------------------|------------------------|----------------------|-------------|
| COPPER                        |                        |                      | 1           |
| ALUMINUM                      | 0.024                  |                      |             |
| STAINLESS STEEL               |                        | 28                   |             |
| GALVANIZED STEEL              | 0.0179                 | 26 (ZINC COATED G90) |             |
| ZINC ALLOY LEAD PAINTED TERNE | 0.027                  |                      | 2 1/2 20    |

MAY-FAIR SUBDIVISION  
LOT #48

161 NW MADISON STREET  
SUITE #102  
LAKE CITY, FL 32055  
(386)758-4209



Freeman  
Design Group

DATE: 11/17/17  
DRAWN BY: W.H.F.

REVISIONS

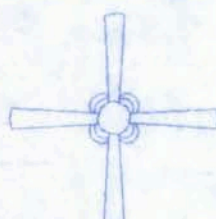




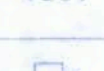











SHEET A-4

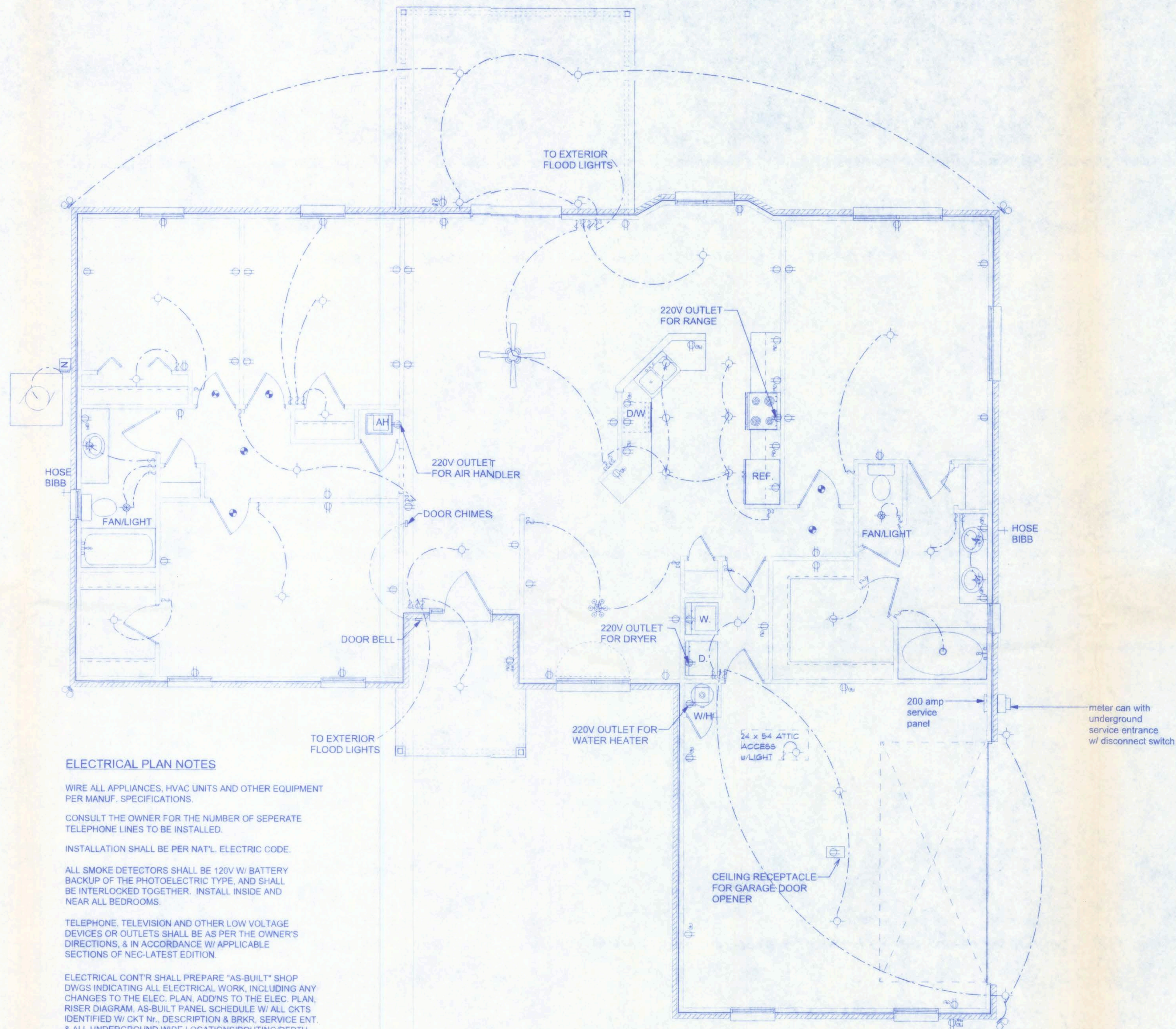
OF 6

PROJECT NO.  
07.R052

CERTIFICATE OF AUTHORIZATION #00008701



| ELECTRICAL               | COUNT | SYMBOL  |
|--------------------------|-------|---|
| ceiling fan spotlights 1 | 1     |    |
| chandelier               | 1     |    |
| double spotlight         | 4     |    |
| pot light                | 1     |    |
| electric motor           | 1     |    |
| electrical panel         | 1     |    |
| meter can                | 1     |    |
| non-fused disconnect     | 1     |    |
| 50 cfm exhaust fan       | 2     |   |
| light                    | 34    |  |
| outlet                   | 42    |  |
| outlet 220v              | 4     |  |
| outlet gfi               | 15    |  |
| smoke detector           | 6     |  |
| switch                   | 23    |  |
| switch 3 way             | 12    |  |
| weather proof gfi        | 3     |  |



#### ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC 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 SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE 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.

#### NOTE:

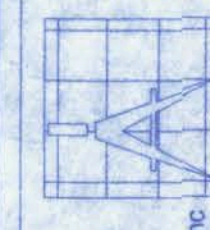
ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, 15 AND 20 AMP OUTLETS INSTALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER LISTED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.

#### ELECTRICAL PLAN

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

MAY-FAIR SUBDIVISION  
LOT #48

161 NW MADISON STREET  
SUITE #102  
LAKE CITY, FL 32055  
(386)758-4209



Freeman  
Design Group

DATE: 11/19/07  
DRAWN BY: W.H.F.

REVISIONS

SHEET A-5

OF 6

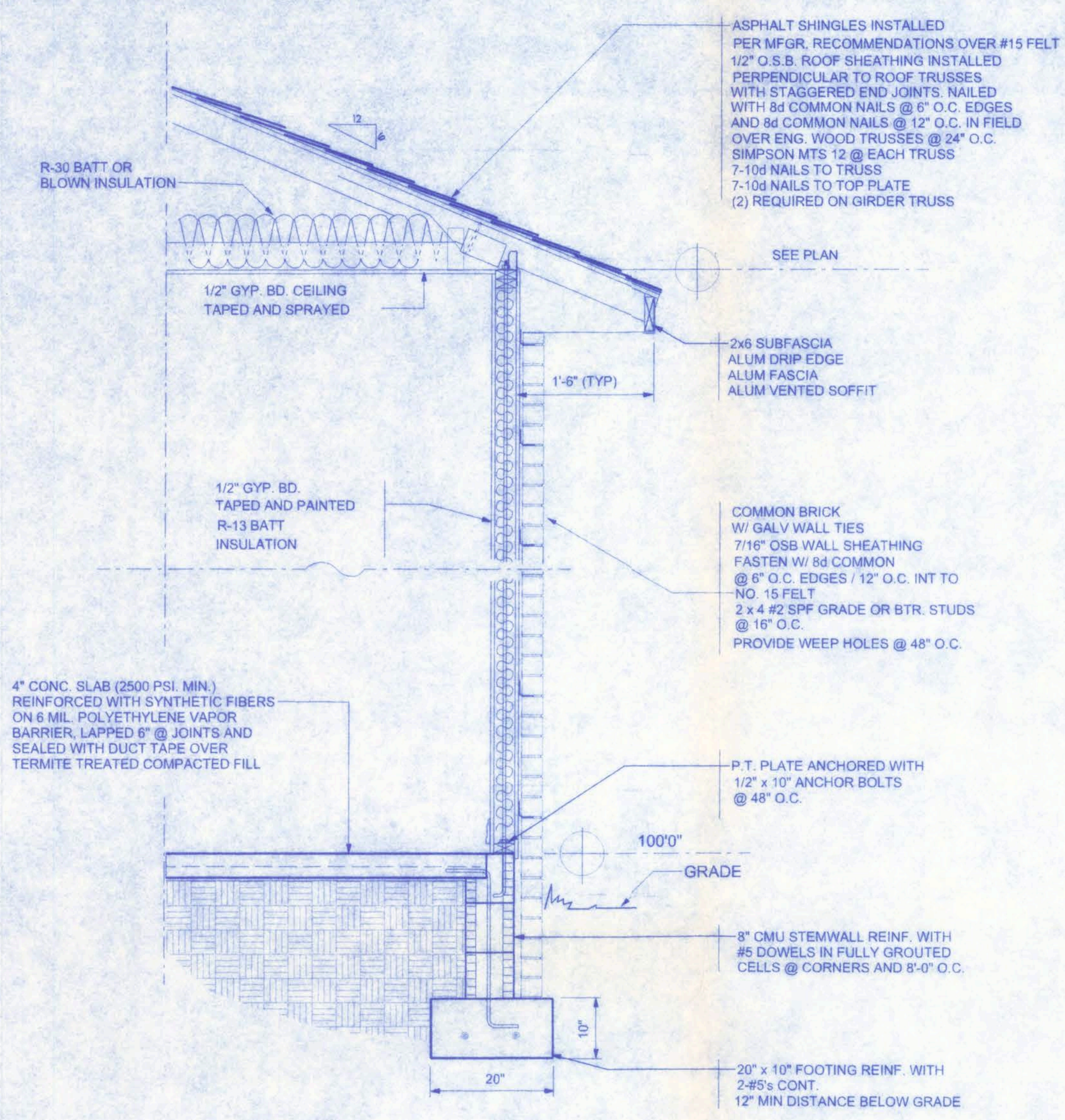
PROJECT NO.

07.R052

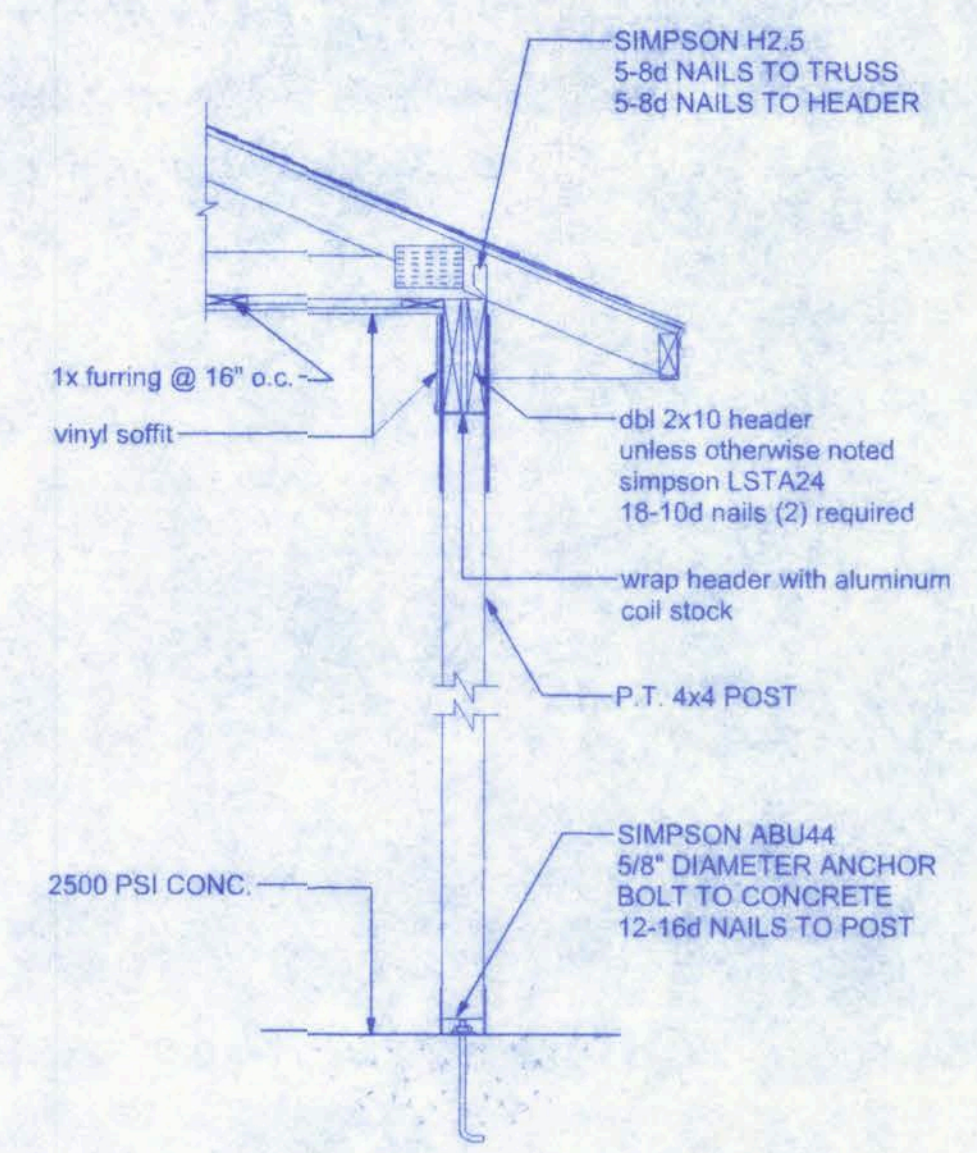
CERTIFICATE OF AUTHORIZATION # 00088701

11/19/07  
# 5001

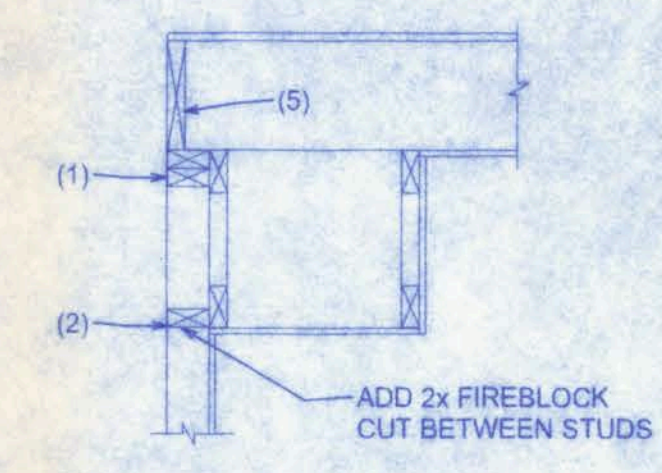
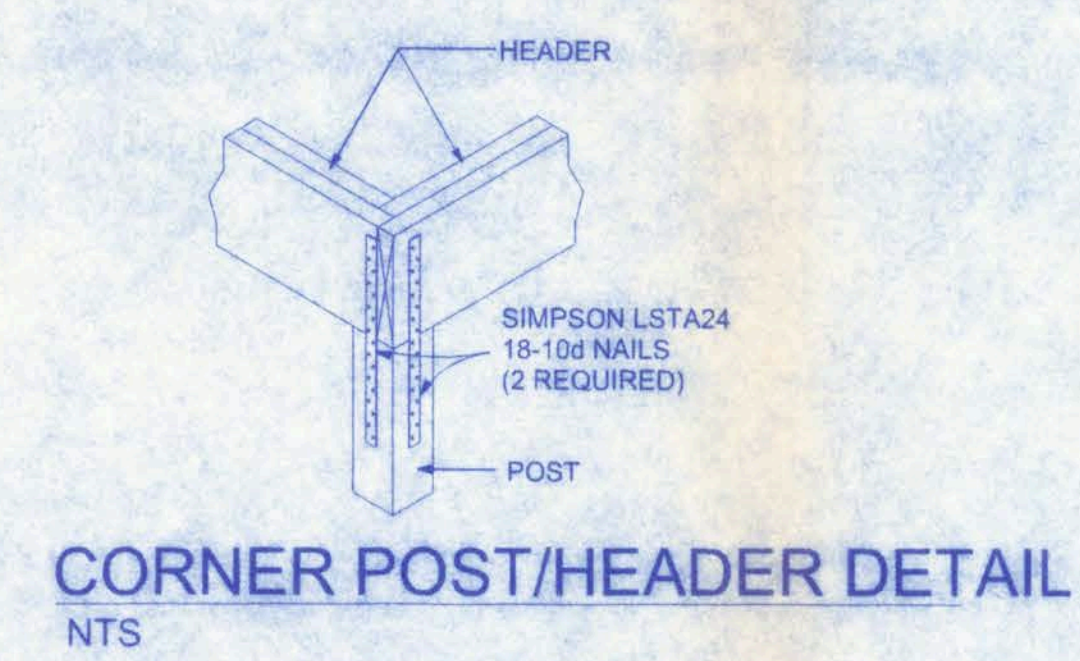




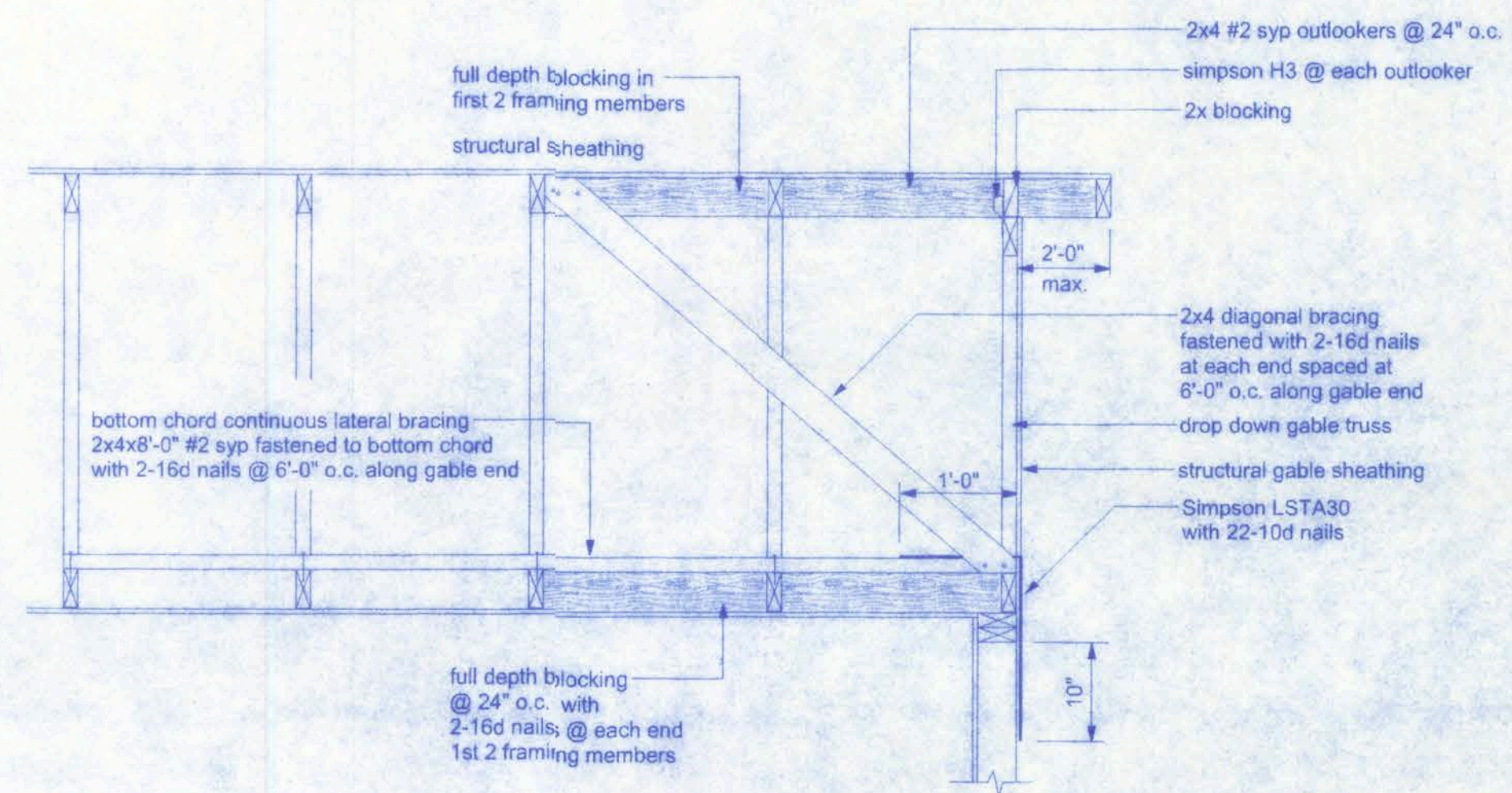
**TYPICAL WALL SECTION**  
SCALE: 3/4" = 1'-0"



**A PORCH SECTION**  
SCALE: 3/4" = 1'-0"

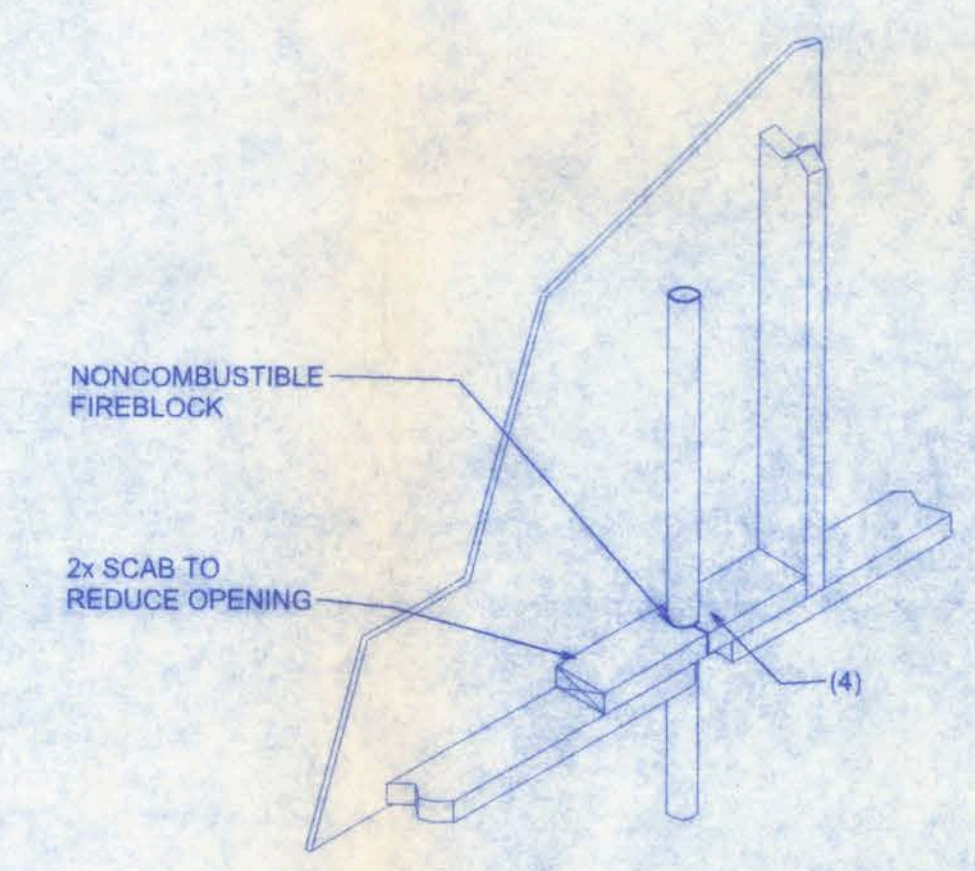


**SOFFIT/DROPPED CLG.**



**END WALL BRACING FOR CEILING DIAPHRAGM**

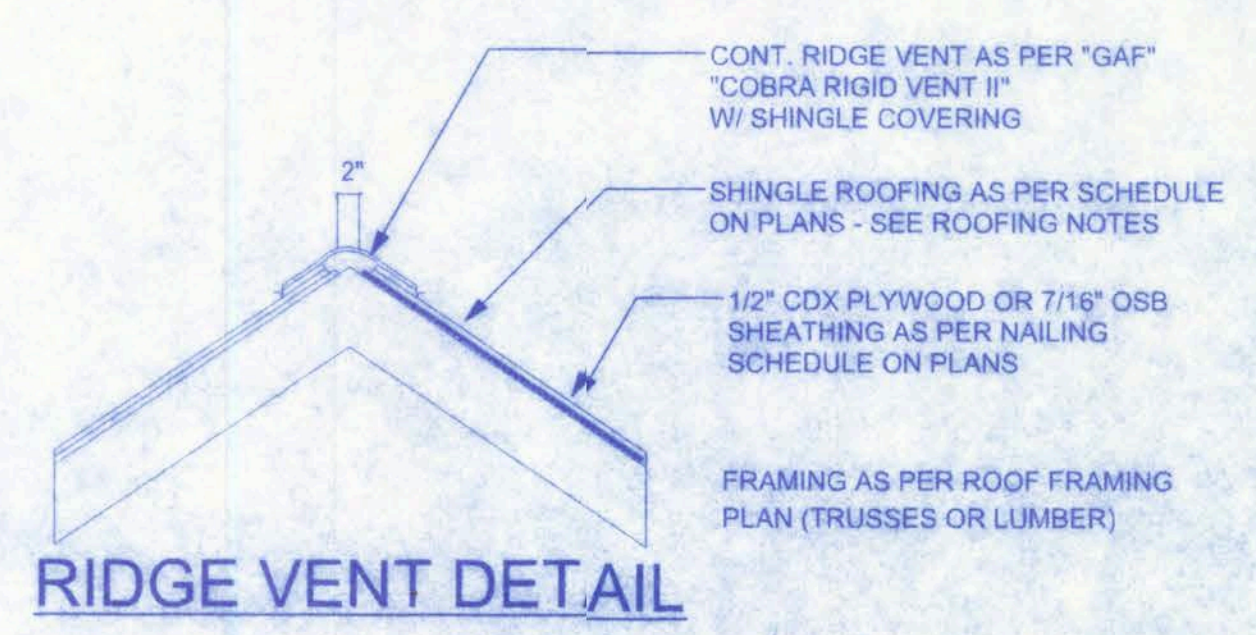
NTS  
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE



**PENETRATIONS**

**VENTILATION REQUIREMENTS**

| Total Attic Square Footage | Recommended Length of Cobra Rigid Vent II (Feet) | Minimum Intake Ventilation (Net Free Area in Sq. In.) |
|----------------------------|--|---|
| 1600                       | 21   | 384   |
| 1900                       | 25   | 456   |
| 2200                       | 29   | 528   |
| 2500                       | 33   | 600   |
| 2800                       | 41   | 744   |
| 3100                       | 41   | 820   |
| 3400                       | 45   | 816   |



**RIDGE VENT DETAIL**

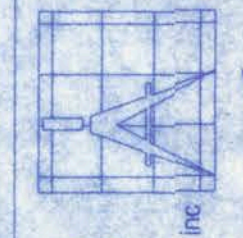
**FIREBLOCKING NOTES:**

- 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 PYRO PANEL 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.

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**MAY-FAIR SUBDIVISION  
LOT #48**

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SUITE #102  
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(386)758-4209



**Freeman**  
Design Group

DATE: 11/19/07  
DRAWN BY: W.H.F.

REVISIONS

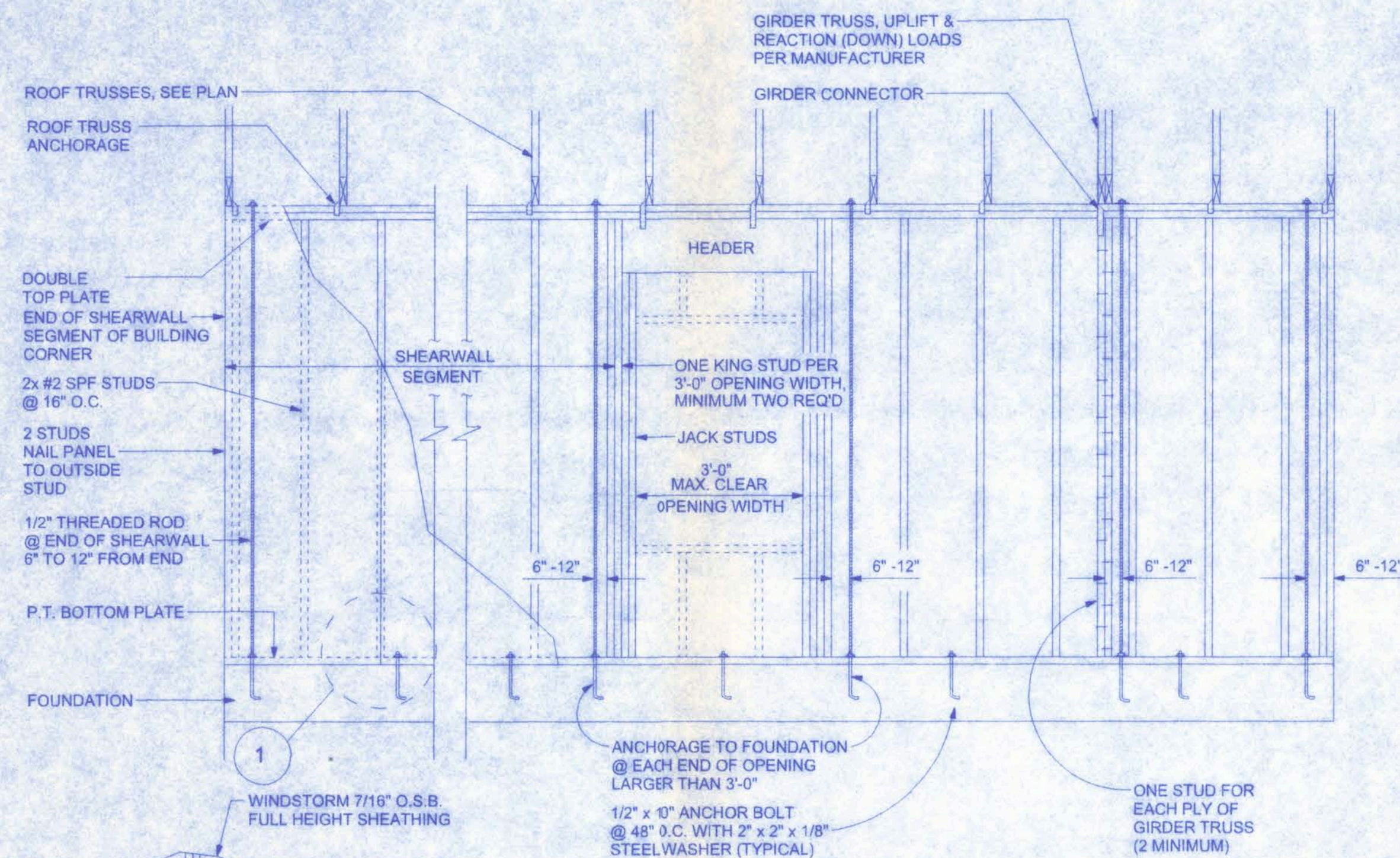
SHEET: A-6

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PROJECT NO.: 07.R052

CERTIFICATE OF AUTHORIZATION # 00008701





**SHEARWALL DETAILS**  
SCALE: 1/2" = 1'-0"

**DOUBLE NAIL EDGE SPACING**  
TOP AND BOTTOM PLATE  
UPLIFT CAPACITY = 474 plf  
(TABLE 305S1 SSTD10-99)

- RULES:**
1. One all-thread rod at each corner.
  2. One all-thread rod at each end of shearwalls.
  3. One all-thread rod at each end of opening headers greater than 3'-0".
  4. Check sub-sheathing to top plate connection for horizontal transfer capability.
  5. If necessary, add all-thread rods to girders individually to exclude the from average uplift.
  6. Check sole plate to slab connection, additional anchors may be required for lateral and shear load transfer.

| ALLOWABLE VALUES                                |                 |
|---|-----------------|
| Connection Type                                 | Allowable Value |
| Foundation / S.Y.P. Top Plate                   | 3840 lbs.       |
| Foundation / Spruce-Pine-Fir Top Plate          | 3840 lbs.       |
| Lintel or Bond Beam / S.Y.P. Top Plate          | 3840 lbs.       |
| Lintel or Bond Beam / Spruce-Pine-Fir Top Plate | 3840 lbs.       |

**Placement at slab level:**

**Corners**  
When presetting the all-thread rod at a building corner, the rod should be placed 8 to 12 inches away from the corner so it does not set under the corner framing members. When a all-thread rod is specified at a building corner, it may be placed on either side of the corner.

**Header ends**  
When presetting the all-thread rod at a header end, the rod should be placed 8 to 12 inches away from the header end so it does not fall under the stud pack framing members.

**Top Connections**  
Top connections made at corners and header ends shall be made within 2 inches of the framing pack. A nut and 3X3 washer shall be applied to the top plates and tightened securely.

**Intermediate Coupler Connections**  
When using the rod coupler, care should be taken to ensure full and equal thread engagement. This is easily achieved by threading the coupler all the way onto the rod, then standing the two rods end to end, then threading the coupler back over the rod joint so each rod is halfway into the coupler.

**Retro-fits**  
In the case of an all thread rod misplacement, the rod may be epoxied into the concrete.

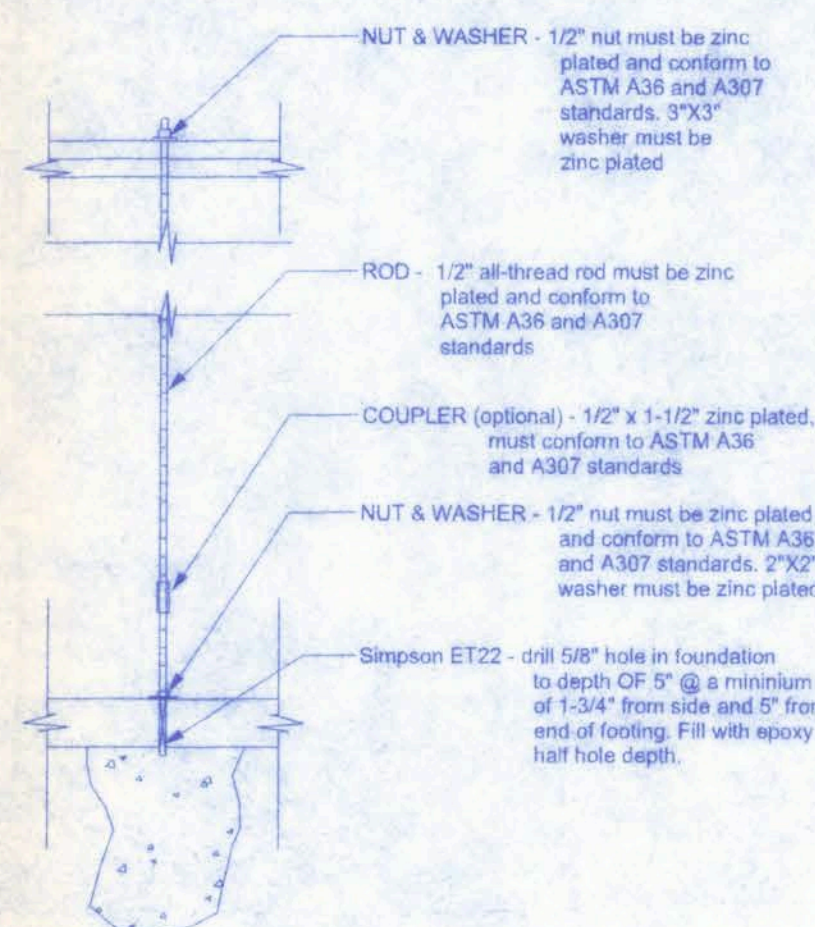
**Sole plate to slab connection:**  
The slab level sole plate shall be connected to the slab with the connectors specified and at the spacing specified within the design documents. All-thread rods shall be placed as per the design specifications. All-thread rods with a nut and washer at the sole plate will qualify as a sole plate connection but may require other anchors intermediate of the all-thread rod locations to qualify the specified spacing requirements.

**System Tightening:**  
On multiple story applications, the all-thread rod system shall be rechecked for proper tension just before the walls are veneered. This will allow the all-thread rod system to compensate for the buildings dead load compression.

**SHEARWALL NOTES:**

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305A.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 ie. FOR 8'-0" WALLS - (2'-3").

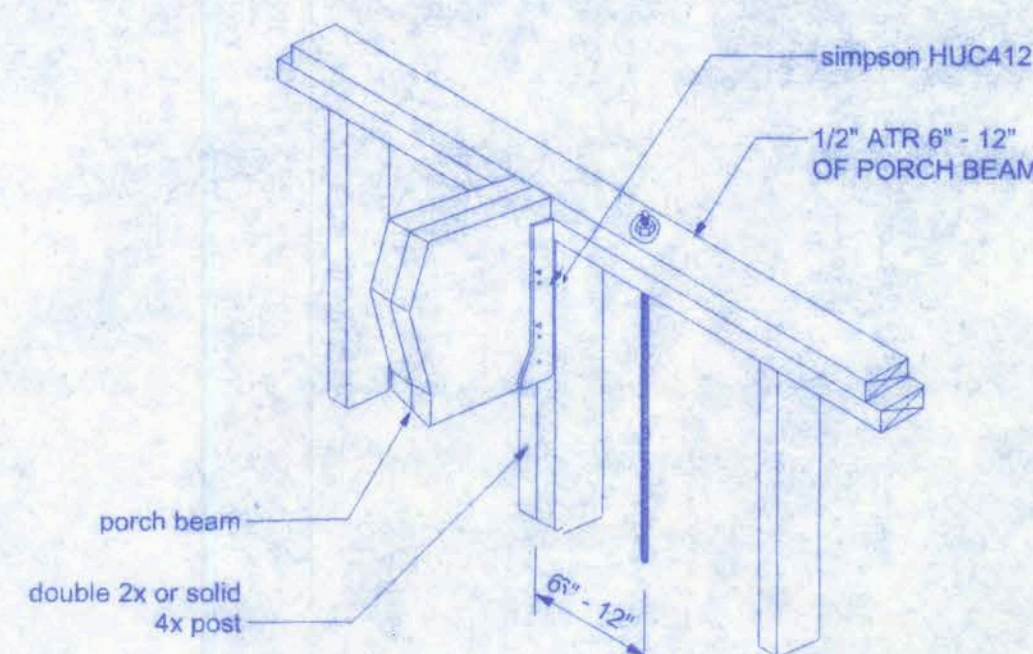
| OPENING WIDTH  | SILL PLATES        | 16d TOE NAILS EACH END |
|----------------|--------------------|------------------------|
| UP TO 6'-0"    | (1) 2x4 OR (1) 2x6 | 1                      |
| > 6' TO 9'-0"  | (3) 2x4 OR (1) 2x6 | 2                      |
| > 9' TO 12'-0" | (5) 2x4 OR (2) 2x6 | 3                      |



**GIRDER COLUMN DETAIL**  
SCALE: 1/2" = 1'-0"

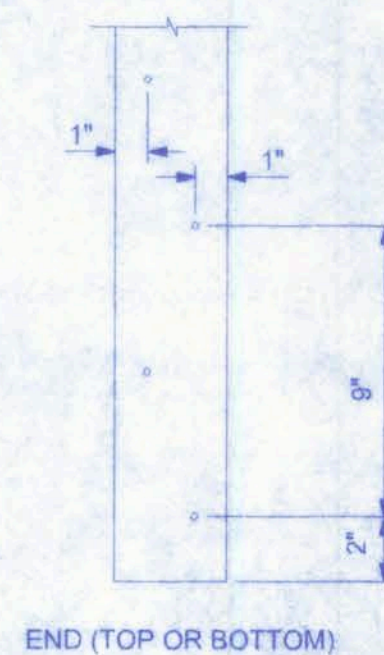
**ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS**

| STRUCTURAL MEMBER  | ALLOWABLE DEFLECTION |
|--|----------------------|
| rafters having slopes greater than 2/12 with no finished ceiling attached to rafters | L/180                |
| interior walls and partitions  | H/180                |
| floors and plastered ceilings  | L/360                |
| all other structural members   | L/240                |
| exterior walls with plaster or stucco finish   | H/360                |
| exterior walls - wind loads with brittle finishes                                    | L/240                |
| exterior walls - wind loads with flexible finishes                                   | L/120                |



**ALL THREAD @ PORCH BEAM**  
NTS

**NOTE:**  
A SOLID MEMBER OF EQUAL OR GREATER SIZE THAN MULTIPLE MEMBERS MAY BE USED. IF RATED SHEATHING IS APPLIED TO NARROW EDGES, NAILED TO EACH STUD AT 12" O.C. MAXIMUM, THE LAMINATION NAILING SHOWN HERE IS NOT REQUIRED.

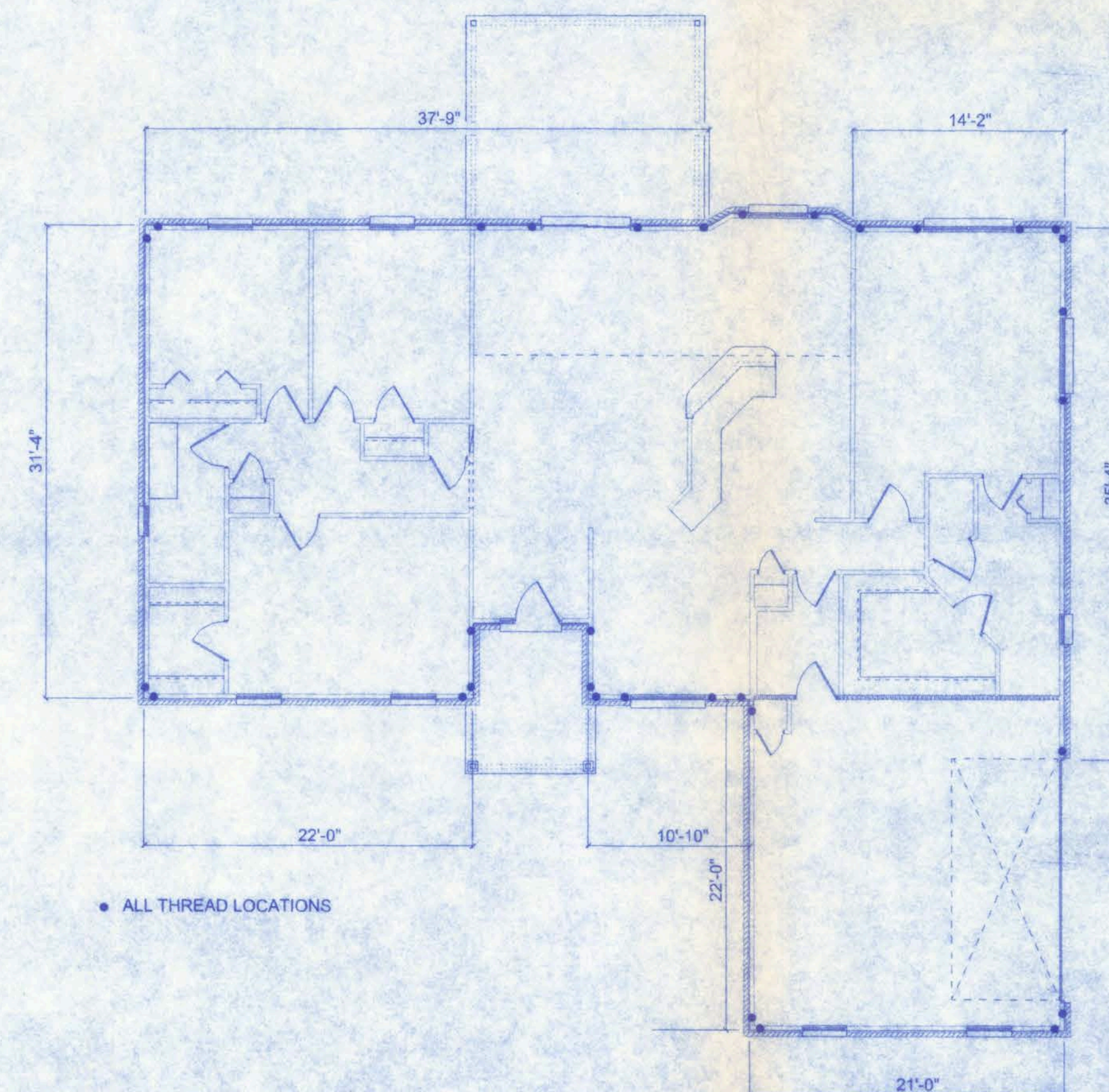
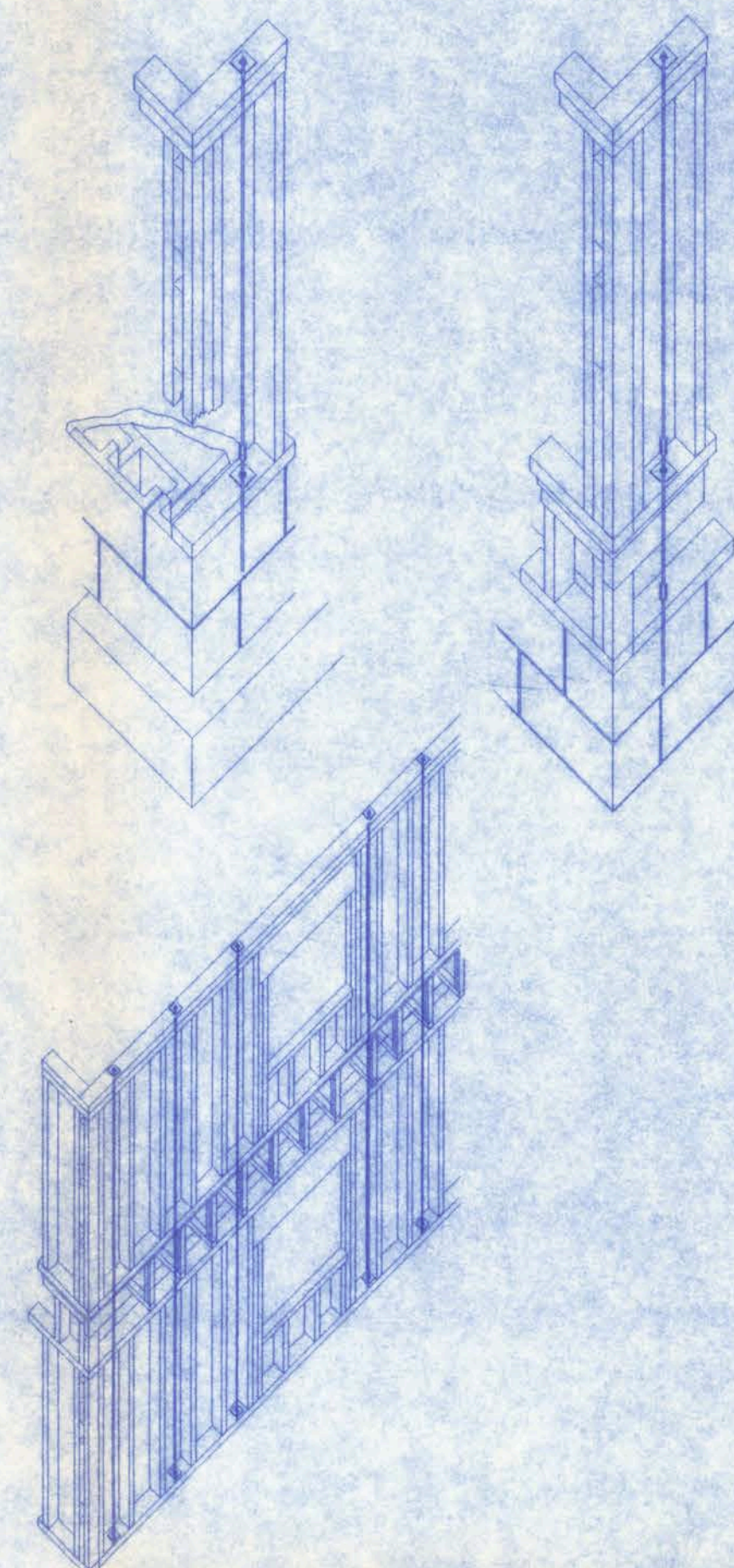


END (TOP OR BOTTOM)

| OPENING CONNECTION REQUIREMENTS |                                 |             |                                  |   |
|---------------------------------|---------------------------------|-------------|----------------------------------|---|
| CLEAR OPENING WIDTH             | HEADER SIZE #2 GRADE OR BETTER  | END BEARING | CONNECTOR AT EACH END OF OPENING | ANCHORAGE TO FOUNDATION @ EACH END OF OPENING |
| 0' - 3'                         | (2) 2x8                         | 1.5"        | N/A                              | N/A   |
| >3' - 6'                        | (2) 2x10                        | 3"          | 1/2" ALL THREAD ROD              | 1/2" ALL THREAD ROD                           |
| >6' - 9'                        | (2) 2x12                        | 3"          | 1/2" ALL THREAD ROD              | 1/2" ALL THREAD ROD                           |
| >9' - 12'                       | (2) 1 3/4" x 11 1/4" LVL - 2.0E | 3"          | 1/2" ALL THREAD ROD              | 1/2" ALL THREAD ROD                           |
| >12' - 15'                      | (2) 1 3/4" x 11 1/4" LVL - 2.0E | 3"          | 1/2" ALL THREAD ROD              | 1/2" ALL THREAD ROD                           |
| >15' - 18'                      | (2) 1 3/4" x 11 1/4" LVL - 2.0E | 4.5"        | 1/2" ALL THREAD ROD              | 1/2" ALL THREAD ROD                           |

**NOTE:**  
ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2004 EDITION W/ 2006 REVISIONS.

|                                 |           |                 |
|---------------------------------|-----------|-----------------|
| BASIC WIND SPEED                |           | 110 MPH         |
| IMPORTANCE FACTOR               |           | 1.0             |
| BUILDING CATEGORY               |           | 2               |
| EXPOSURE                        |           | B               |
| INTERNAL PRESSURE COEFFICIENT   |           | +/- 0.18        |
| COMPONENT AND CLADDING PRESSURE | WALLS     | +21.8/-29.1 PSF |
|                                 | ROOF      | +12.5/-29.1 PSF |
|                                 | OVERHANGS | -71.6 PSF       |
| TYPE OF STRUCTURE               |           | ENCLOSED        |
| ROOF DEAD LOAD                  |           | 10 PSF          |
| ROOF LIVE LOAD                  |           | 20 PSF          |
| FLOOR DEAD LOAD                 |           | 20 PSF          |
| FLOOR LIVE LOAD                 |           | 40 PSF          |



**SHEARWALL LAYOUT**  
SCALE: 1/8" = 1'-0"

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REVISIONS:

SHEET: S-1

OF: 1

PROJECT NO.: 07.R052

CERTIFICATE OF AUTHORIZATION # 00080701