

TERMITE SPECIFICATIONS:

- 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)
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS.(FBC 1503.4.4)
- 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)
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAT 6 INCHES.

EXCEPTION: PAINT OR DECORATIVE CEMENTATIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL.(FBC 1403.1.6)
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE.(FBC 1816.1.1)
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED AND FORMED.(FBC 1816.1.2)
- 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)
- 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)
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT.(FBC 1816.1.5)
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS.(FBC 1816.1.6)
- 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)
- ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.(FBC 1816.1.7)
- 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 DEPARMENT OF AGRICULTURE AND CONSUMER SERVICES."(FBC 1816.1.7)
- 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)
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING.(FBC 2303.1.4)

| | | | | | |
|--------|----------------------|-----------|---------------------------|----------|----------------------|
| 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 | P.C. | Piece |
| Adj. | Adjustable | Flr. | Floor | Ped. | Pedestal |
| A.F.F. | Above Finished Floor | Fdn. | Foundation | P.L. | Parallam |
| A.H.U. | Air Handler Unit | Flr. Sys. | Floor System | PLF | Pounds per linear fo |
| ALT. | Alternate | F.P.I. | Fireplace | Plt. Ht. | Plate Height |
| B.C. | Base Cabinet | Fl. | Foot / Feet | Plt Sh. | Plant Shelf |
| B.F. | Bifold Door | Flg. | Footing | PSF | Pounds per square ft |
| Bk Sh | Book Shelf | Fixd. | 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 | Rad. | Radius |
| Brg. | Bearing | G.T. | Girder Truss | Ref. | Refrigerator |
| Cr. | Circle | Hdr. | Header | Req'd. | Required |
| Ctg. | Ceiling | Hgt. | Height | Rm. | Room |
| Col. | Column | HB | Hose Bibb | Rnd. | Round |
| Comp. | A/C Compressor | Int. | Interior | R/S/ | Rod and Shelf |
| C.T. | Ceramic Tile | K/Wall | Kneewall | SD. | Smoke Detector |
| D | Dryer | K.S. | Knee Space | S.F. | Square Ft. |
| Dec. | Decorative | Laun. | Laundry | S.H. | Shelves |
| Ded. | Dedicated Outlet | Lav. | Lavatory | SHT | Sheet |
| Dbl. | Double | L.F. | Linear Ft. | S.L. | Side Lights |
| Dia. | Diameter | L.T. | Laundry Tub | S.P.F. | Spruce Pine Fir |
| Disp. | Disposal | Mas. | Masonry | Sq. | Square |
| Dist. | Distance | Max | Maximum | S.Y.P. | Southern Yellow Pin |
| D.S. | Drawer Stack | M.C. | Medicine Cabinet | Tamp. | Tempered |
| D.V. | Dryer Vent | MDP | Master Distribution Panel | Thik'n. | Thicken |
| D.W. | Dishwasher | Mfr. | Manufacturer | T.O.B. | Top of Block |
| Ea. | Each | Micro. | Microwave | T.O.M. | Top of Masonry |
| E.W. | Each Way | Min | Minimum | T.O.P. | Top of Plate |
| Elec. | Electrical | M.L. | Microlam | Trans. | Transom Window |
| Elev. | Elevation | Mir. | Mirror | Typ. | Typical |
| Ext. | Exterior | Mon. | Monolithic | UCL | Under Cabinet Lighti |
| Exp. | Expansion | N.T.S. | Not to Scale | U.N.O. | Unless Noted Otherse |
| | | | | VB | Vanity Base |
| | | | | V.L. | Vertical |
| | | | | VTR | Vent through Roof |
| | | | | W | Washer |
| | | | | W/C | Water Closet |
| | | | | W.A | Wedge Anchor |
| | | | | Wd | Wood |
| | | | | WP | Water Proof |

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 STRECHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.

CAST IN PLACE CONCRETE

- 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
- ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 40.
- 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".
- HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.
- HORIZONTAL FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH A 2'-0" LAP PROVIDED.
- MINIMUM LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE 40 BAR DIAMETERS TYP.
- CONCRETE COVER MIN. 3" WHEN EXPOSED TO EARTH OR 1 1/2" TO FORM

MASONRY WALL CONST.

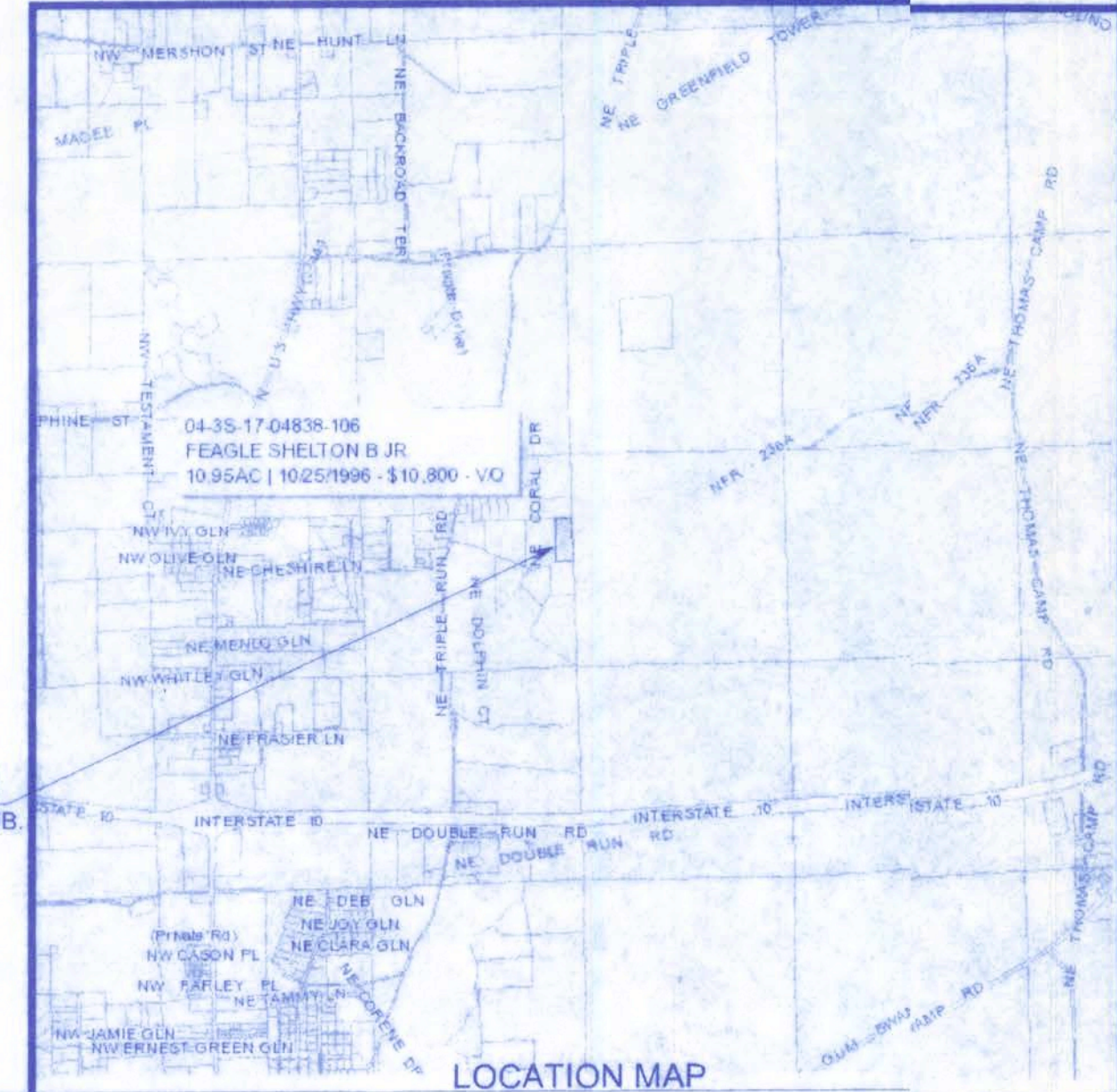
- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI (f_m = 1350 PSI)
- MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO ASTM C270.
- COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI SLUMP 8" TO 11".
- VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.
- VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 192 BAR DIAMETERS. REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED.
- REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 BAR DIAMETERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS
- 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

- WOOD CONSTRUCTION SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION.
- 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.
- 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 ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING FRAMING INSPECTION.



LOCATION MAP

STRUCTURAL NOTES:

PREFABRICATED WOOD TRUSSES

- ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS.
- 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.
- 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.
- BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER UNLESS NOTED ON THE PLANS.
- 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:
- DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.
- PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH SPECIFIED LOADS AND GOVERNING CODES. SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS LOCATIONS, AND 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.
- THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS, WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS HANGERS.

UPLIFT CONNECTORS

- 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

- MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) "SIMPSON MTSM16 TWIST STRAP W/ 1/4" X 2 1/4" DIA. TENS TO THE BOND BEAM BLOCK AND (7) 10# TO THE TRUSS FOR UPLIFTS OF 1000 LBS. OR LESS. USE (2) FOR 2000 LBS. OR LESS. OTHERS MAY BE SUBSTITUTED ON A CASE BY CASE BASIS.
- MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. ANCHOR BOLTS SET IN 3/4" DIA. X 6" DEEP UNITEK "PROPOXY" 300 ADHESIVE BINDER FOLLOWING ALL MANUFACTURERS RECOMMENDATIONS (OR 1 1/2" X 6" RAWL STUD EXPANSION ANCHORS.
- 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 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.
- 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.
- FOR MORTER JOINTS LESS THAN 1/4", PROVIDE (1) #5 VERT. IN CONC. FILLED CELL EACH SIDE OF THE JOINT (8 BAR DOES NOT HAVE TO BE CONT. TO FOOTING)

STRUCTURAL DESIGN CRITERIA

| | | |
|------------------------------------|--|---|
| CODES: | FLORIDA BUILDING CODE, 2007 EDITION BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-05) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-05) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2003 EDITION APA PLYWOOD DESIGN SPECIFICATION | |
| LIVE LOADS: | ROOF RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED BALCONIES STAIRS LIGHT PARTITIONS (DEAD LOAD), U.N.O. | 20 PSF (REDUCIBLE) 40 PSF 40 PSF 40 PSF 20 PSF |
| WIND LOADS: (F.B.C.) | WIND LOADS BASED ON FBC, SECTION 1609 WIND VELOCITY: 110 M.P.H., USE FACTOR: 1.0 | |
| CONCRETE STRENGTH @ 28 DAYS | ALL CONCRETE UNLESS OTHERWISE INDICATED PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY (DO NOT USE FOR CONCRETE COLUMNS OR TIE BEAMS) | 2500 PSI 3000 PSI |
| REINFORCING: | WELDED WIRE FABRIC SHALL CONFORM TO ALL REINFORCING BARS ALL STIRRUPS AND TIES | ASTM A185 ASTM A615-40 40,000 PSI ASTM A615-40 40,000 PSI |
| CONCRETE MASONRY UNITS: | ASTM C90-99b, STANDARD WEIGHT UNITS, f _m =1500 PSI MORTAR TYPE "S" 1800 PSI CONCRETE GROUT 3000 PSI CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION | |
| STRUCTURAL STEEL: | ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O SHOP AND FIELD WELDS: E70XX ELECTRODES ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A307 | |
| WOOD FRAMING: | BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O. NO. 2 SOUTHERN YELLOW PINE (19% M.C.) ROOF DECK: PLYWOOD C-C/C-D, EXTERIOR, OR OSB FLOOR SHEATHING: T&G A-C GROUP 1 APA RATED (48/24) WALL SHEATHING: PLYWOOD C-C/C-D, EXTERIOR OR OSB VERSA LAM BEAM Pb = 2900 PSI (2.0E) WOOD COLS. PARALLAM 2.0E U.N.O. DESIGN LOADS: TOP CHORD LIVE AND DEAD LOAD: BOTTOM CHORD DEAD LOAD: TOTAL: | |
| WOOD ROOF TRUSSES: | DESIGN LOADS: DEAD LOAD: LIVE LOAD: TOTAL: | |
| WOOD FLOOR TRUSSES: | DESIGN LOADS: DEAD LOAD: LIVE LOAD: TOTAL: | |
| SOIL BEARING VALUE: | ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 1,500 PSF SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS 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. | |

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.

BUILDING DATA

| | |
|--|---|
| CONSTRUCTION TYPE - TYPE VI UNPROTECTED (SECTION 608 - FBC 2007) | WIND SPEED 110 MPH WIND IMPORTANCE FACTOR - (I _w = 1.0) WIND EXPOSURE - "B" (FBC 1609) INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (ENCLOSED BLDG) |
| THIS DRAWING AND DESIGN IS VALID FOR 12 MONTHS AFTER THE DATE IT IS SIGNED AND SEALED. | DESIGN WIND PRESSURE: (COMPONENT AND CLADDING) WORST CASE (10 SF - END ZONE) # END ZONE IS ONLY WITHIN 5'-0" OF ALL EXTERIOR BUILDING CORNERS |
| | WINDOWS AND DOORS 110 MPH SINGLE 9x7 DOUBLE 16x7 |
| | GARAGE DOORS (V = 110 MPH) SINGLE 9x7 DOUBLE 16x7 |
| | SEE FLOOR PLAN FOR ACTUAL PRESSURES |

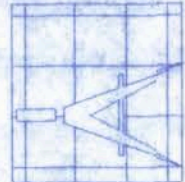
INDEX OF SHEETS

| SHEET NUMBER | DESCRIPTION |
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| A-8 | FRAMING DETAILS |
| A-9 | SHEARWALL DETAILS |
| A-10 | ELECTRICAL PLAN |



SHELTON FEAGLE RESIDENCE

128 SW NASSAU STREET
LAKE CITY, FL 32025
(904)730-1209



Freeman
Design Group
INC.

DATE 05/20/09
DRAWN BY W.H.F.

REVISIONS

SHEET A-1

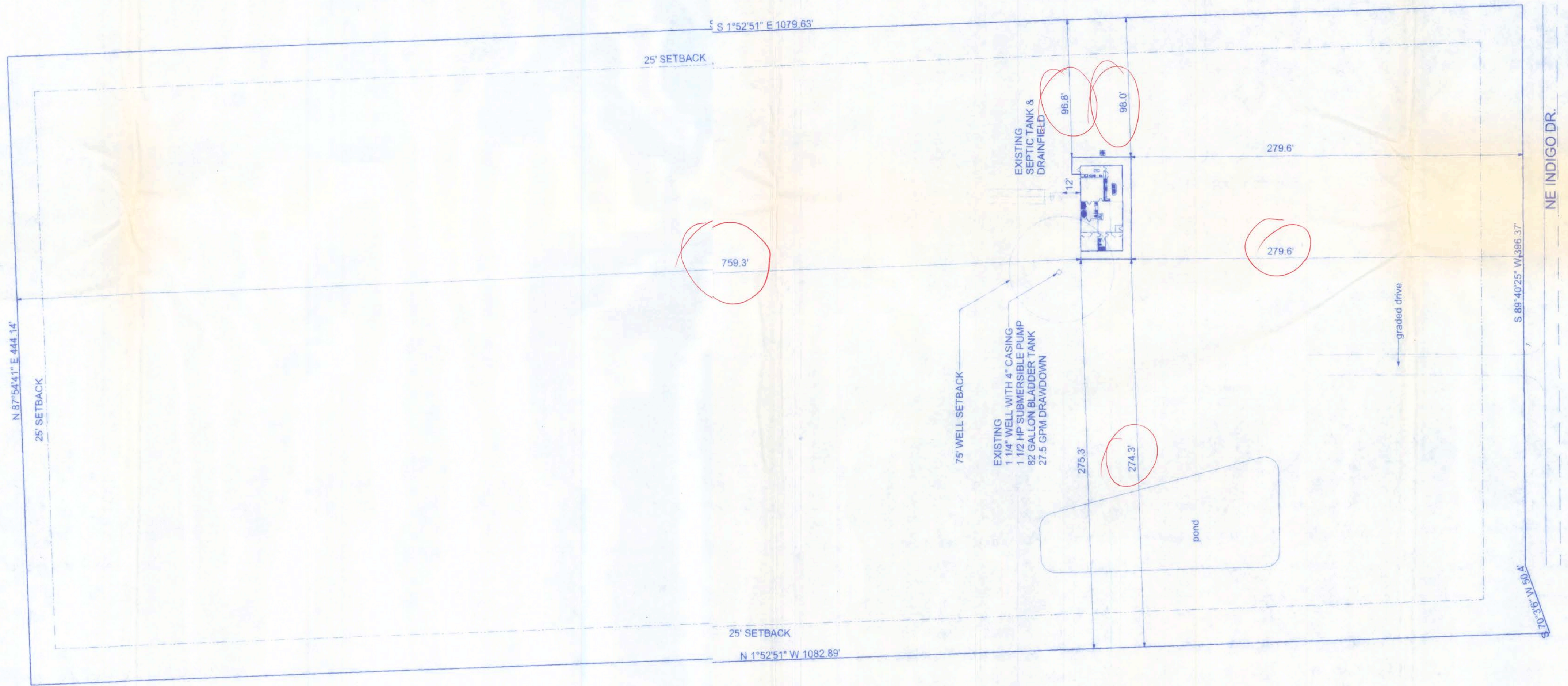
OF 10

PROJEC NO.
09.RC.1

CERTIFICATE OF AUTHORIZATION # 00068701



DESCRIPTION:
DESIGNATED AS LOT 6 OF OSCEOLA PLANTATIONS,
UNRECORDED SUBDIVISION
10.95 ACRES, +-



NOTE:
REMOVE EXISTING MOBILE HOME
AND PLACE NEW SITE BUILT STRUCTURE
AT THAT LOCATION

SITE PLAN
SCALE: 1" = 50'



128 SW NASSAU STREET
LAKE CITY, FL. 32025
(800)700-4209

CERTIFICATE OF AUTHORIZATION # 00008701

DATE
05/11/09
DRAWN BY
W.H.F.
APPROVED
W.H.F.

REVISIONS

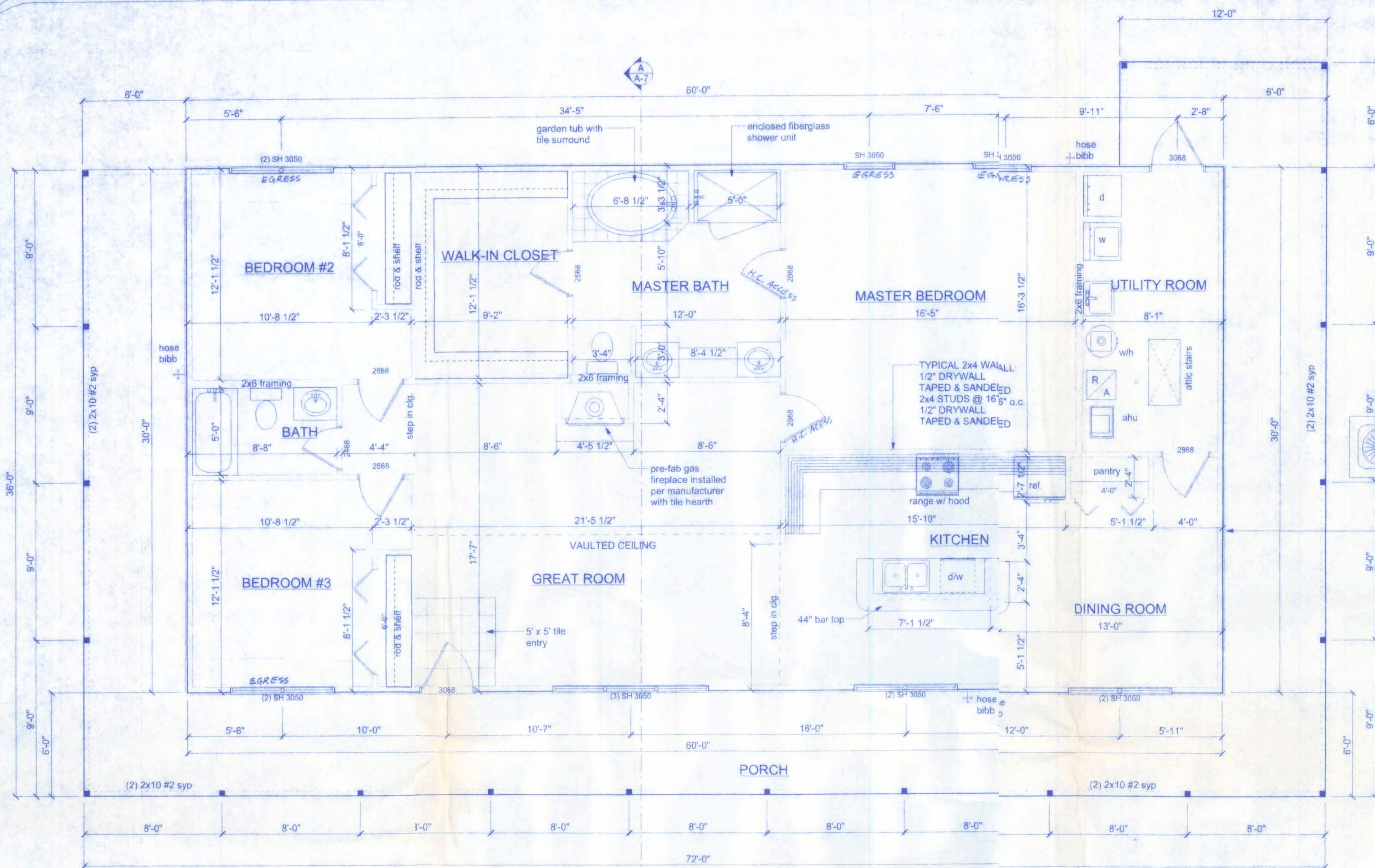
SHEET
A-2

OF
10

PROJECT NO.
09.3021

SHELTON FEAGLER RESIDENCE

W.H.F.
5/22/09
P.E. # 56001



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

NOTE:
FIELD VERIFY NUMBER OF STEPS OFF PORCH.
MAXIMUM RISER HEIGHT SHALL BE 7"
MINIMUM TREAD DEPTH SHALL BE 11"

| AREA SUMMARY | |
|--------------------|----------|
| CONDITIONED LIVING | 1800 SF |
| PORCHES | 864 SF |
| TOTAL | 2,664 SF |

| PRODUCT CODE | SIZE | HINGE DIRECTION | COUNT |
|-------------------------|-------------------------|-----------------|-------|
| 3068 | 3'-0" | L | 2 |
| 48X80 BIFOLD COLONIAL 2 | 4'-0" | LR | 1 |
| 72X80 BIFOLD COLONIAL 2 | 6'-0" | LR | 2 |
| 2468 | 2'-4" | L | 1 |
| 2668 | 2'-6" | L | 3 |
| 2868-MODIFIED | 2'-8" | R | 1 |
| 2868 | 2'-8" | L | 2 |
| (2) SH 3050 | 6'-0" x 4'-11 1/4" | NN | 4 |
| (3) SH 3050 | 9'-0" x 4'-11 1/4" | NNN | 1 |
| SH 3050 | 2'-11 1/4" x 4'-11 1/4" | N | 2 |

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.

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.

NOTE:
CONDENSATE LINES AND ROOF DOWN SPOUTS SHALL DISCHARGE AT LEAST ONE FOOT AWAY FROM THE STRUCTURE SIDEWALL. IN CASES WHERE THE ROOF EAVE IS LESS THAN 6 INCHES, GUTTERS MUST BE INSTALLED AND DIRECT WATER A MINIMUM OF 1 FOOT FROM THE STRUCTURE.

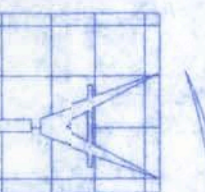
NOTE:
CONDENSATE WASTE AND DRAIN LINE SIZE SHALL BE NOT LESS THAN 3/4" INTERNAL DIAMETER AND SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE PLACE OF CONDENSATE DISPOSAL.

NOTE:
EACH VERTICAL DRYER VENT RISER SHALL BE PROVIDED WITH A CLEANOUT. DRYER EXHAUSTS SHALL TERMINATE ON THE OUTSIDE OF THE BUILDING AND SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER WITHOUT SCREENS.

| INTERIOR FINISH SCHEDULE | | | | | | |
|--------------------------|------------------|-----------------|-----------|-------------|--------------|-------------|
| ROOM | FLOORING | BASE | WALL/SCOT | WALLS | CEILING | CLG. HEIGHT |
| GREAT ROOM | CARPET | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | VAULTED |
| DINING ROOM | SHEET VINYL | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| KITCHEN | SHEET VINYL | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| UTILITY | SHEET VINYL | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| M. BATH | SHEET VINYL | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| BATH | SHEET VINYL | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| M. BEDROOM | CARPET | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| BEDROOM #2 | CARPET | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| BEDROOM #3 | CARPET | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| W.I.C. | CARPET | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| FOYER | 12" CERAMIC TILE | 3 1/2" COLONIAL | | ORANGE PEEL | KNOCKDOWN | 8'-0" |
| PORCHES | BROOM FIN. CONC. | | | | VINYL SOFFIT | 8'-4" |

SHELTON FEAGLE RESIDENCE

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



Freeman
Design Group inc

DATE: 05/20/01
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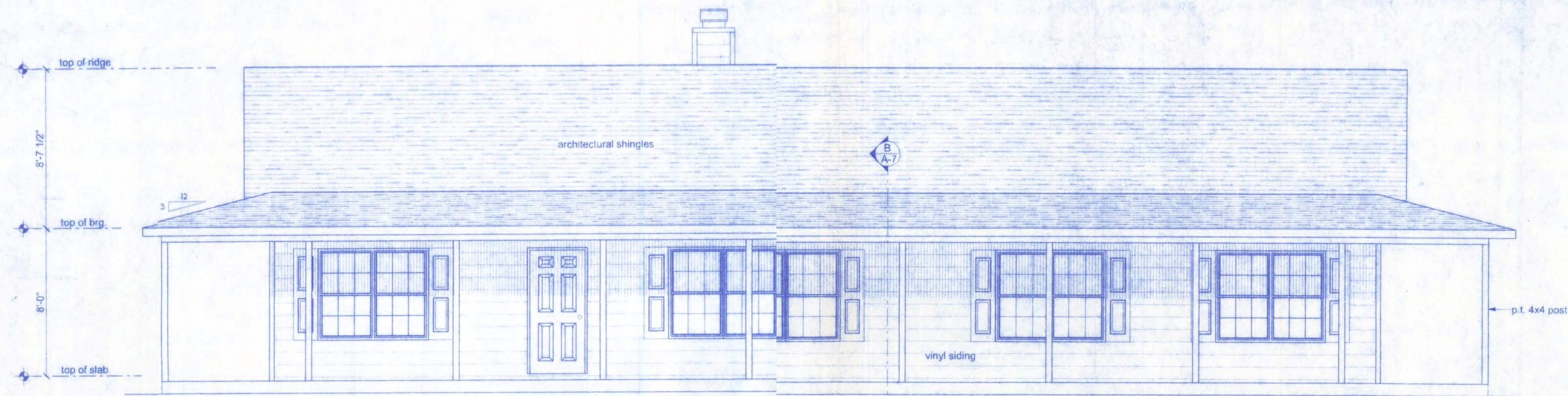
REVISIONS

SHEET: A-3

OF: 10

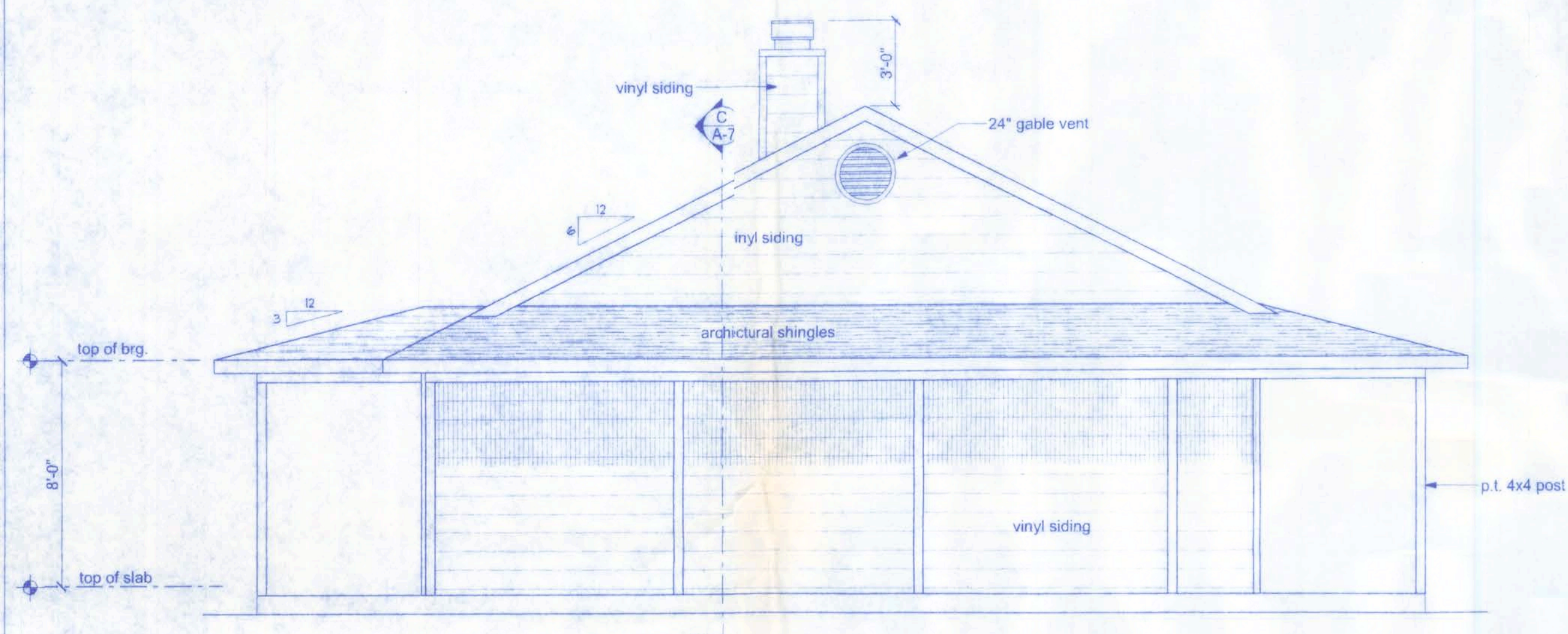
PROJECT NO.: 010021

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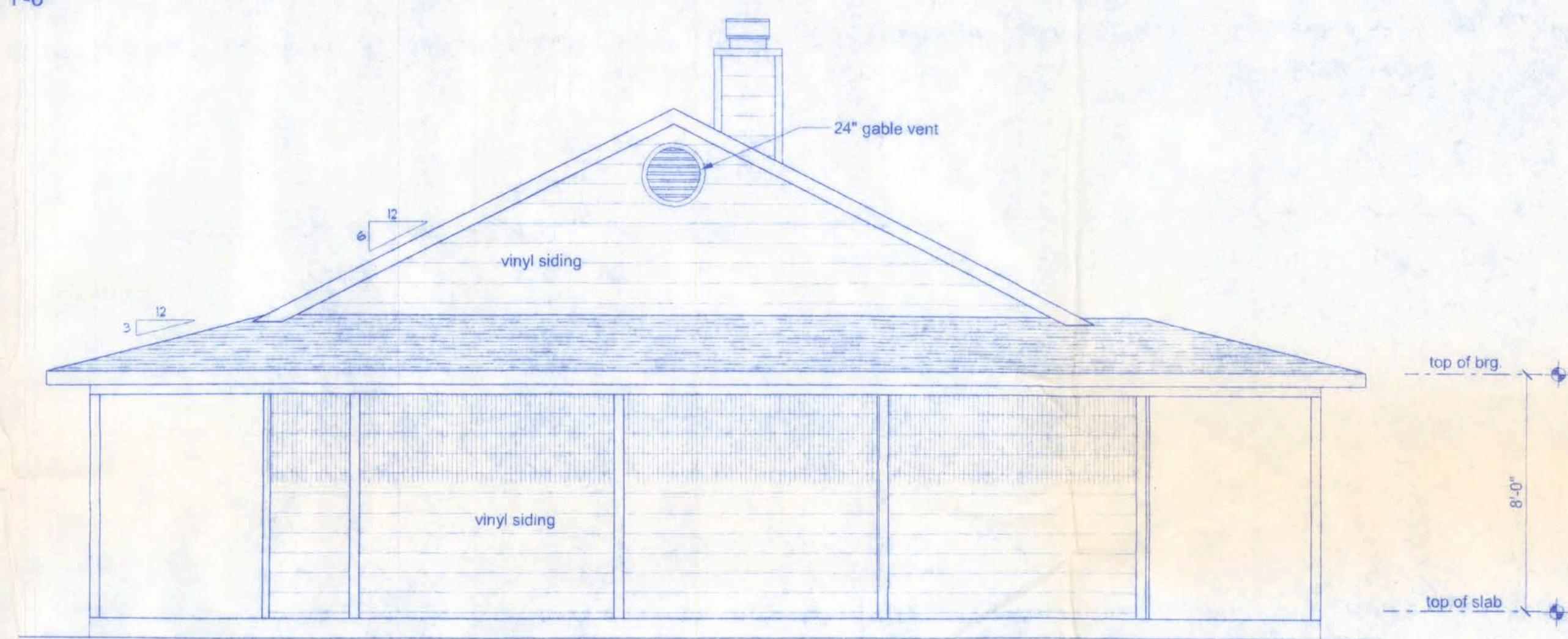
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SCALE: 1/4" = 1'-0"



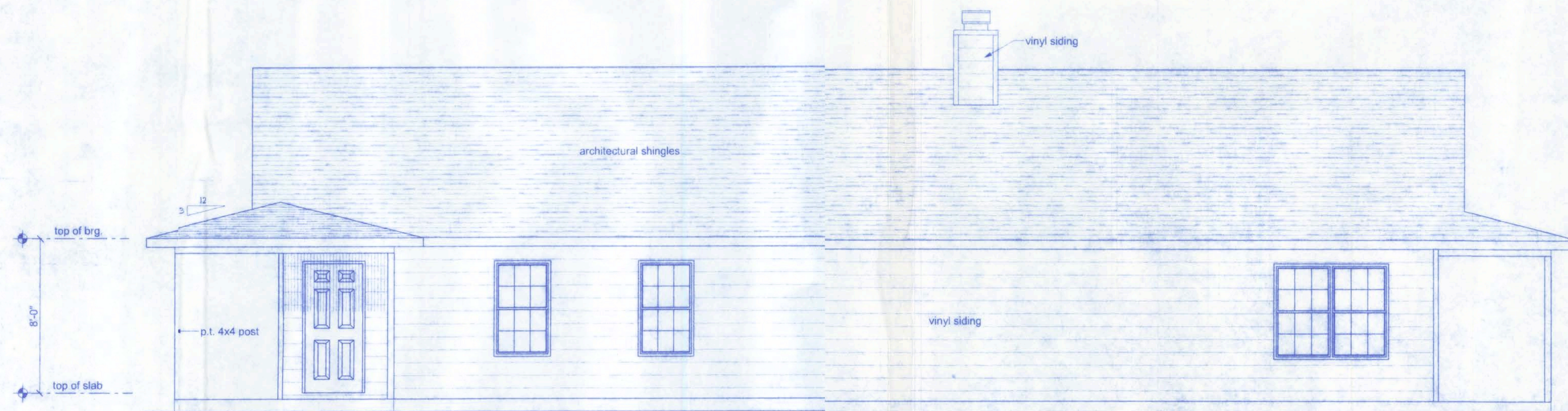
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SCALE: 1/4" = 1'-0"



RIGHT ELEVATION

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



REAR ELEVATION

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

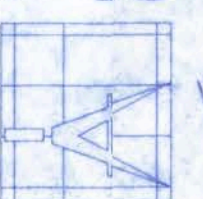
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W. H. Freeman
5/22/09
PE #56001

128 SW NASSAU STREET

LAKE CITY, FL 32026
(386)758-4209

CERTIFICATE OF AUTHORIZATION # 00008701



Freeman
Design Group
INC

DATE
05/20/09

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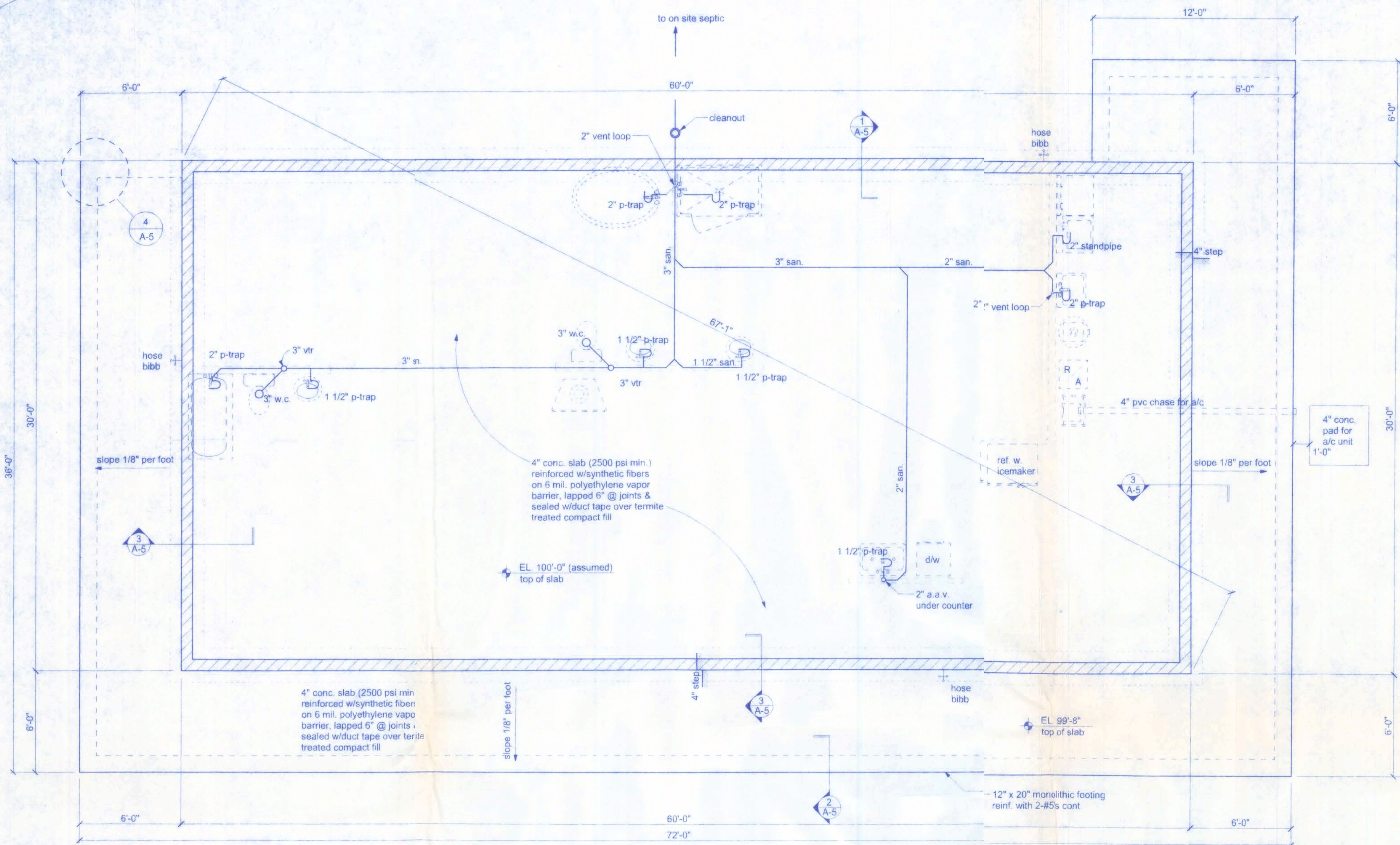
REVISIONS

SHEET A-4

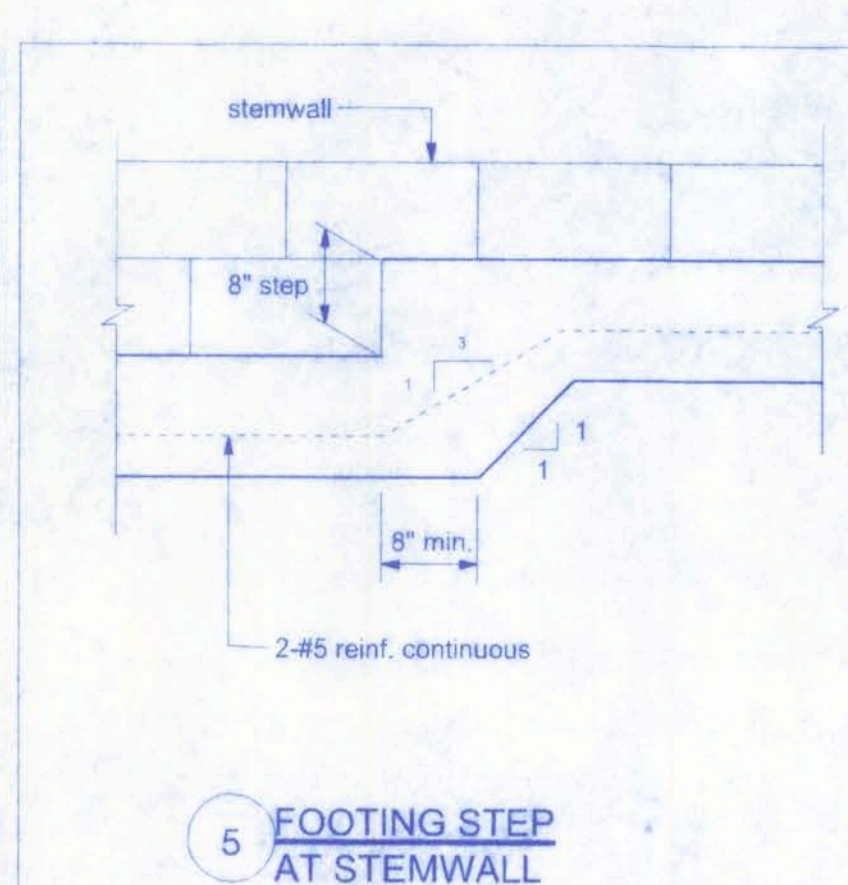
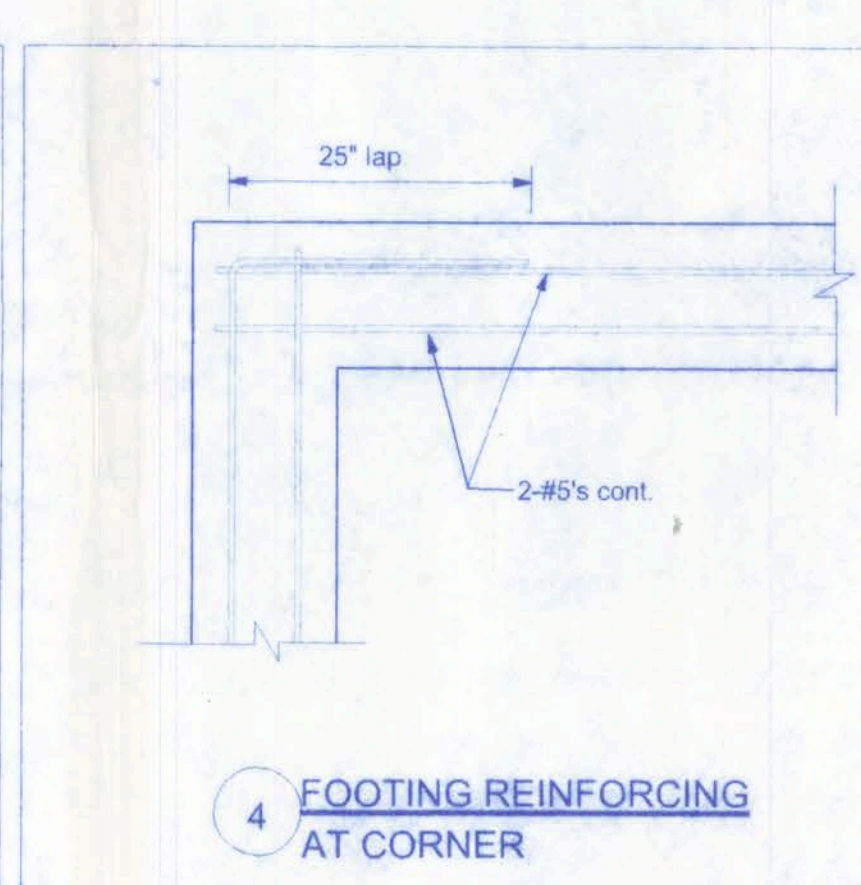
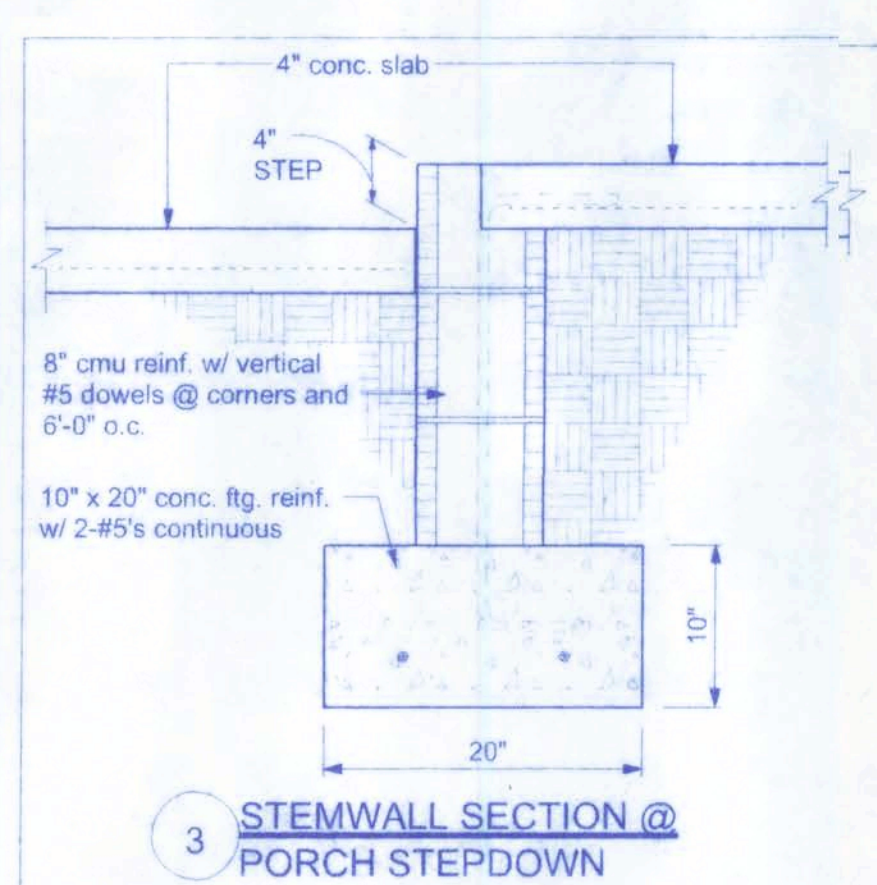
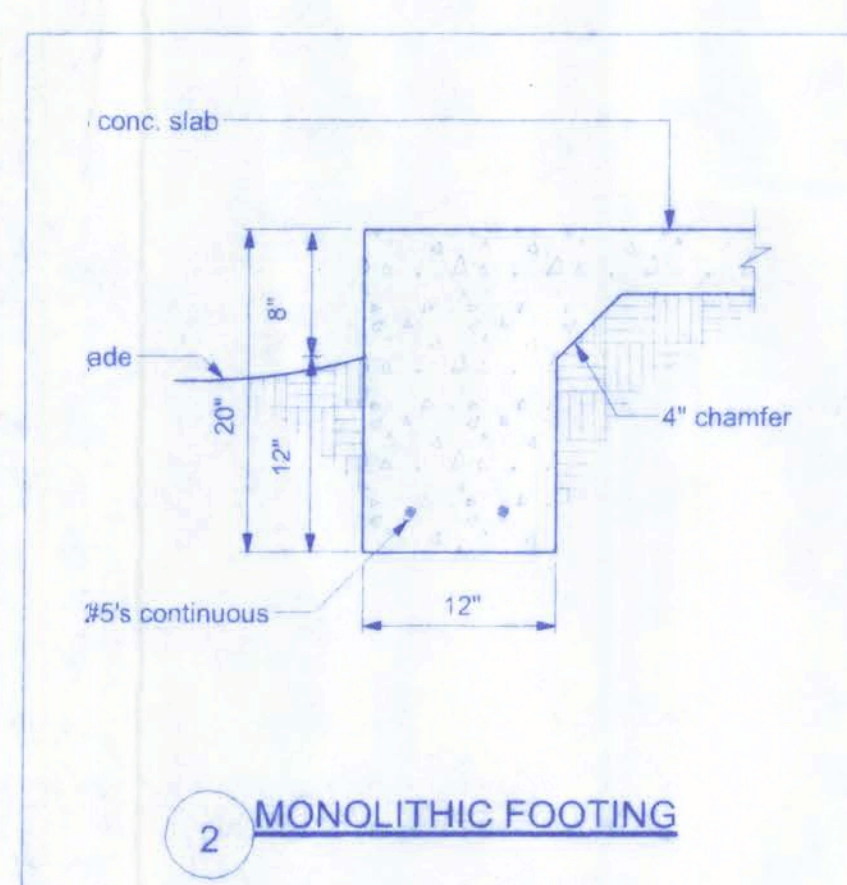
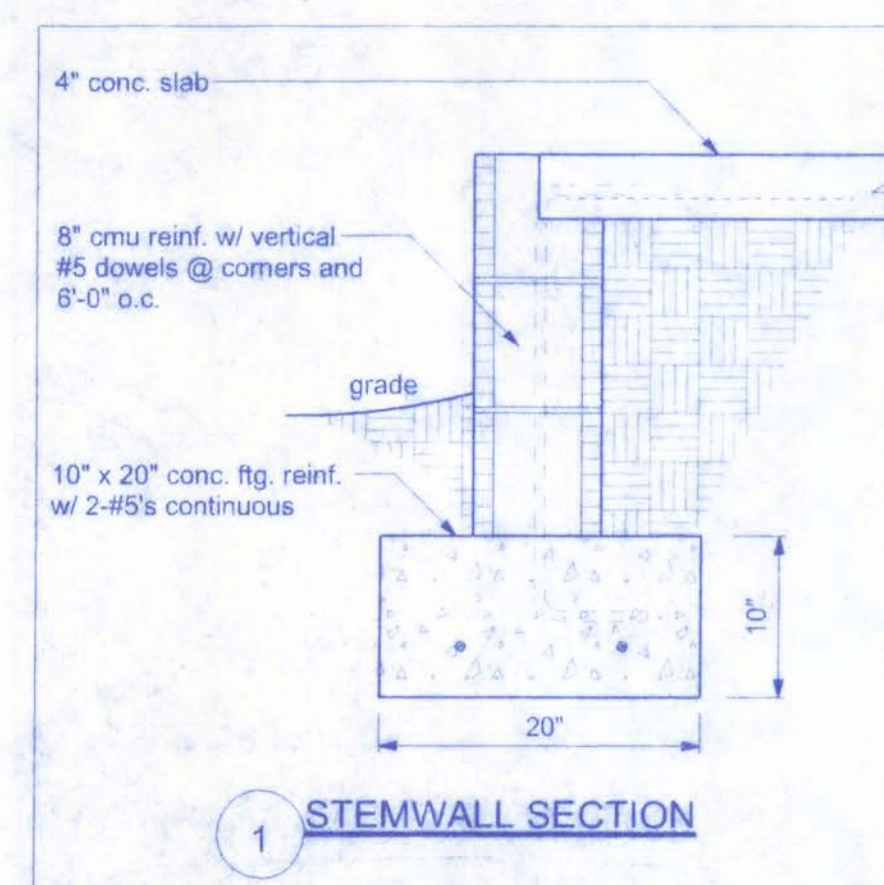
OF 10

PROJECT NO.

09.0021



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



CONCRETE:
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.

REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1. ALL REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS AND
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN DOVEL BARS WITH A VERTICAL CELL, BARS PARTIALLY EMBEDDED IN CONCRETE SHALL BE PERMITTED TO BE BENT AT A SLOPE OF NOT MORE THAN 1 INCH OF HORIZONTAL DISPLACEMENT TO 6 INCHES OF VERTICAL BAR LENGTH.

COVER OVER REINFORCING STEEL
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE:
3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 1 1/2 INCHES ELSEWHERE. REINFORCING BARS EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS AND ANY FACE OF A CELL. REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2 INCHES FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER 1 1/2 INCHES FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER

GALVANIZATION:
METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

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 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.
2. 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.

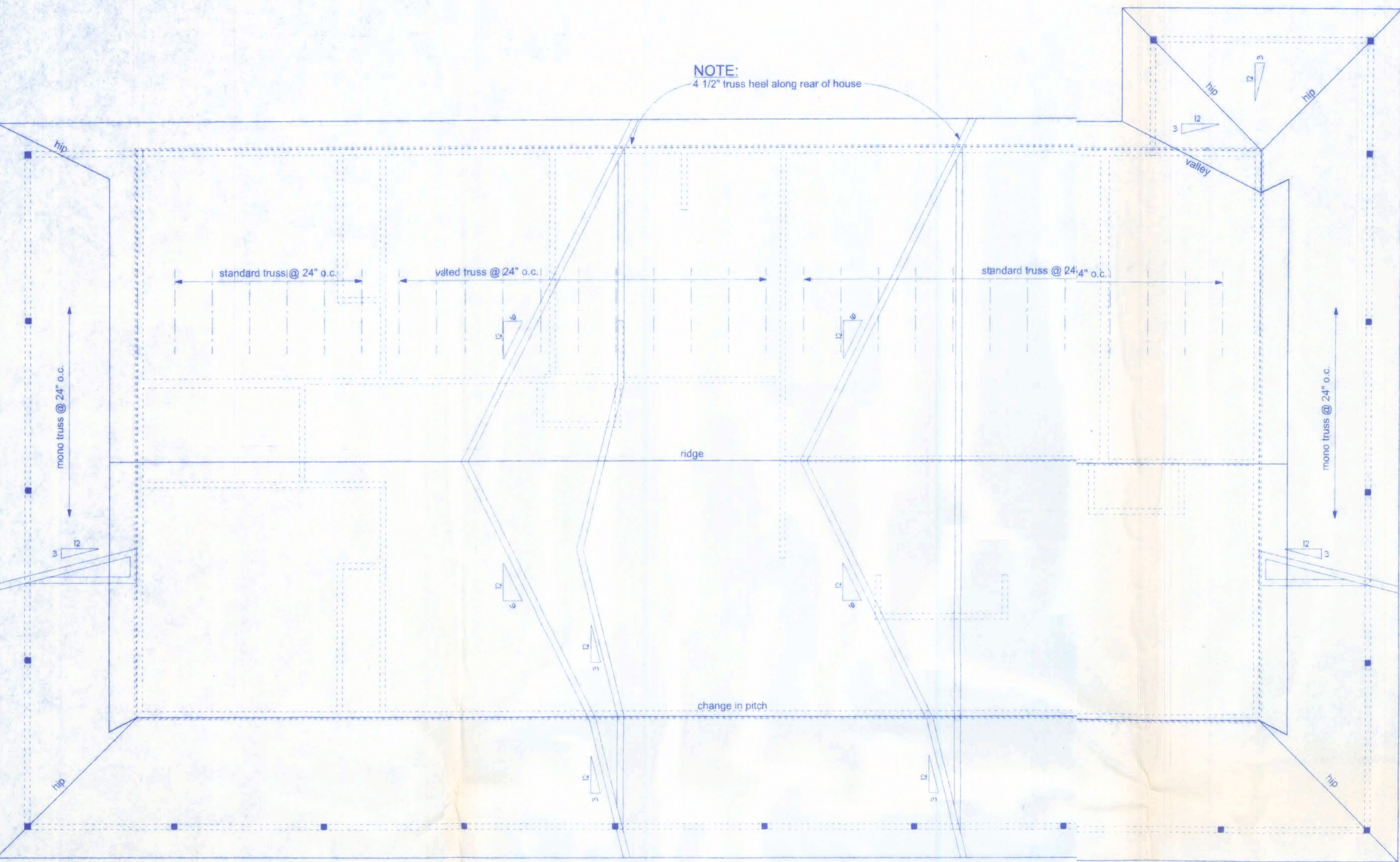


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| | |
|---------------------|----------|
| DATE | DRAWN BY |
| 05/20/09 | W.H.F. |
| REVISIONS | |
| SHEET A-5 | |
| OF 10 | |
| PROJECT NO. 09.R021 | |

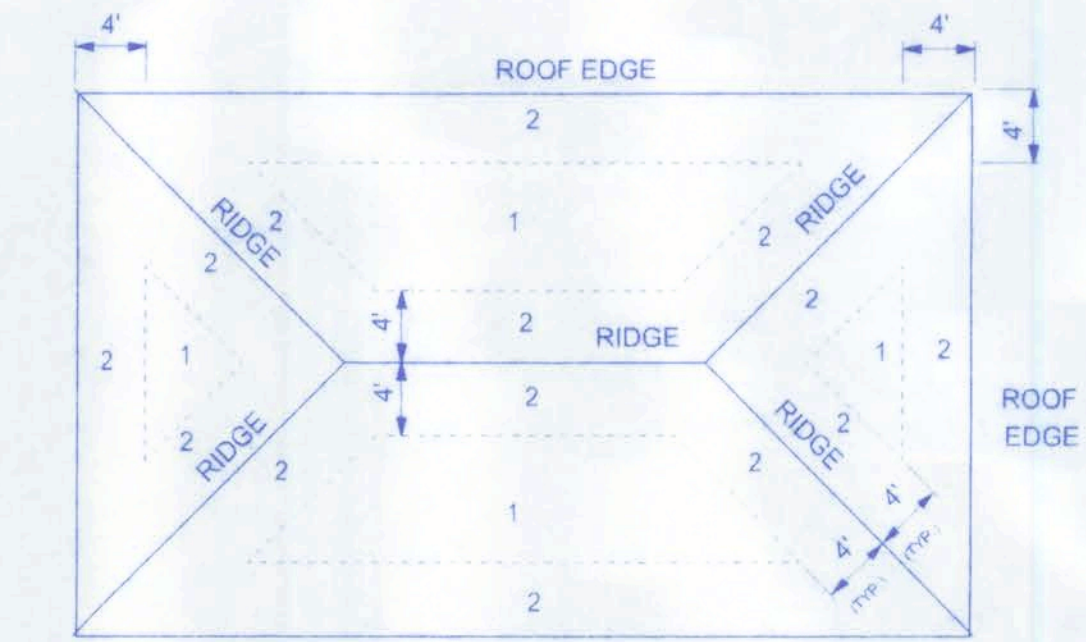
SHELTON FEAGLE RESIDENCE

5/22/09
PE #56001

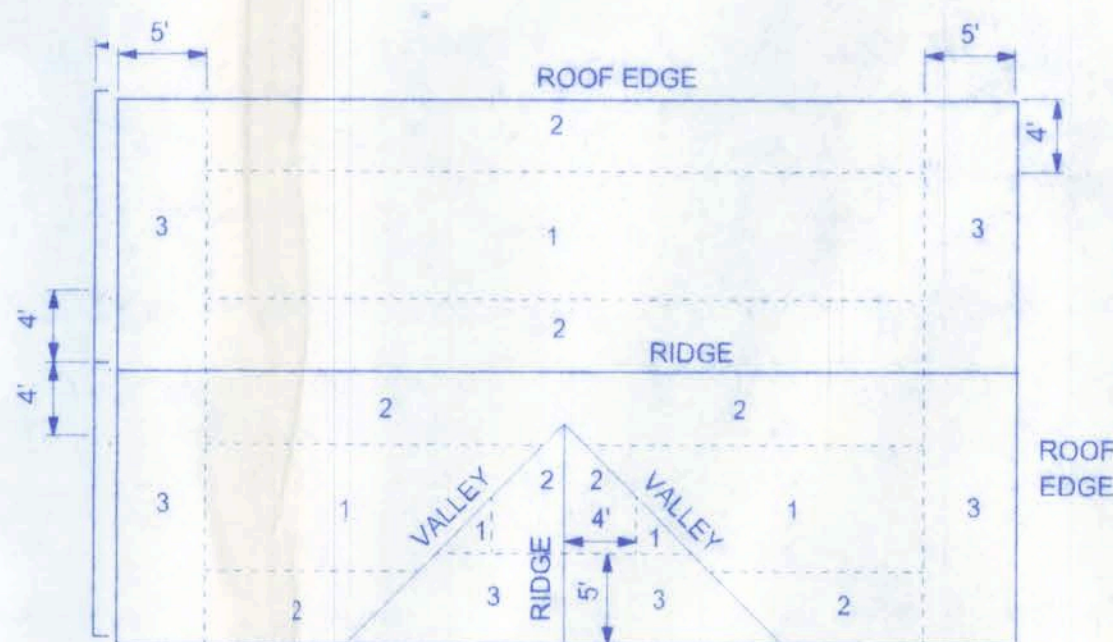


ROOF PLAN
SCALE: 1/4" = 1'-0"

| 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 12 in. o.c. FIELD |
| 2 | | | 6 in. o.c. EDGE 6 in. o.c. FIELD |
| 3 | | | 4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSSES 6 in. o.c. EDGE 6 in. o.c. FIELD |



ROOF SHEATHING NAILING ZONES
(HIP ROOF)

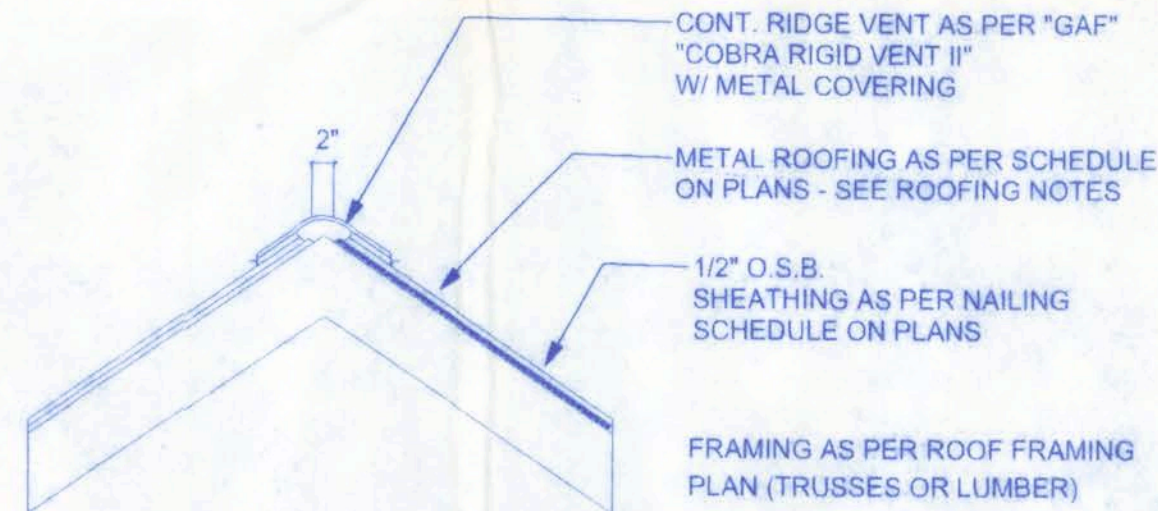


ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

PRE-FABRICATED WOOD TRUSSES

- WT1 WOOD TRUSSES SHALL BE DESIGNED, SIGNED & SEALED BY A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. TRUSSES SHALL BE FABRICATED IN CONFORMANCE WITH THE THE "QUALITY CONTROL MANUAL" BY TRUSS PLATE INSTITUTE (TPI).
- WT2 HANDLING, ERECTION AND BRACING OF WOOD TRUSSES SHALL BE IN ACCORDANCE WITH "HANDLING AND ERECTING WOOD TRUSSES" (HET80) AND "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS" (BWT-76) BY THE TRUSS PLATE INSTITUTE (TPI).
- WT3 PERMANENT BRACING SHALL BE INDICATED IN THE TRUSS LAYOUT DRAWINGS AND SHALL BE SUPPLIED AND INSTALLED BY THE FRAMING CONTRACTOR.
- WT4 TRUSSES SHALL BE DESIGNED PER ASCE 7-05 FOR THE FOLLOWING LOADS:
DEAD LOAD 10 PSF
LIVE LOAD 20 PSF
WIND 110 MPH W/ 3 SECOND WIND GUST
- WT5 PRE-FABRICATED WOOD TRUSSES SHALL BE FABRICATED FROM SOUTHERN PINE (SPB) KILN DRIED #2 GRADE OR BETTER FOR CHORD AND #3 GRADE OR BETTER FOR WEBS.
- WT6 TRUSS BEARING SHALL BE 4" NOMINAL UNLESS NOTED OTHERWISE. BEARING LOCATIONS MUST BE MARKED ON TRUSS BY FABRICATOR TO INSURE PROPER INSTALLATION.
- WT7 SHOP DRAWINGS SHALL BE SUBMITTED WHICH INDICATE DESIGN LOADS, DURATION FACTOR TRUSS LAYOUT, TRUSS CONFIGURATION AND TRUSS TO TRUSS CONNECTION. SHOP DRAWINGS SHALL SHOW PIECE MARKS, MEMBER SIZE AND GRADE AND CONNECTION DETAILS.
- WT8 NO WANE KNOTS, SKIPS OR OTHER DEFECTS SHALL OCCUR IN THE PLATE CONTACT AREA OR SCARFED AREA OF WEB MEMBERS. PLATES SHALL BE CENTERED WITH ONE REQUIRED EACH SIDE OR TRUSS.
- WT9 DESIGN OF METAL CONNECTED WOOD ROOF TRUSSES TO COMPLY WITH STANDARD BLDG. CODE NFPA'S "NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADED LUBER AND ITS FASTENINGS", AND TRUSS PLATE INSTITUTE'S "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES".
- WT10 WOOD BLOCKING AT TRUSS BEARING SHALL BE LAP SPLICED 4'-0" MIN. AND NAILED WITH (20) 10d NAILS AT SPLICE; 10d NAILS @ 16" O.C. ELSEWHERE.

| 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 |



RIDGE VENT DETAIL

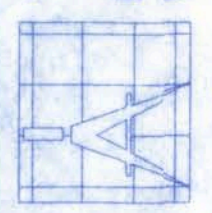
VENTILATION REQUIREMENTS

| 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 |

SHELTON FEAGLE RESIDENCE

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Design Group

DATE 05/20/09 DRAWN BY W.H.F.

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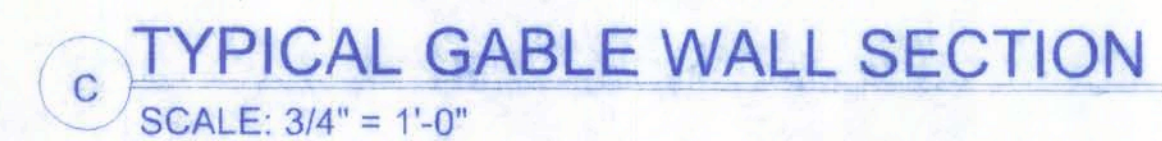
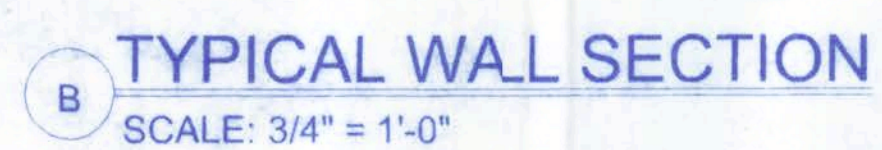
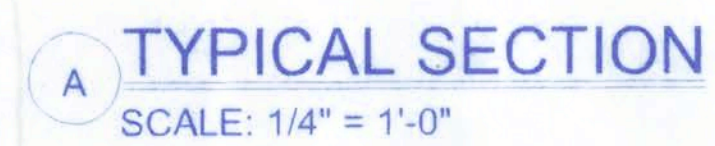
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OF 10

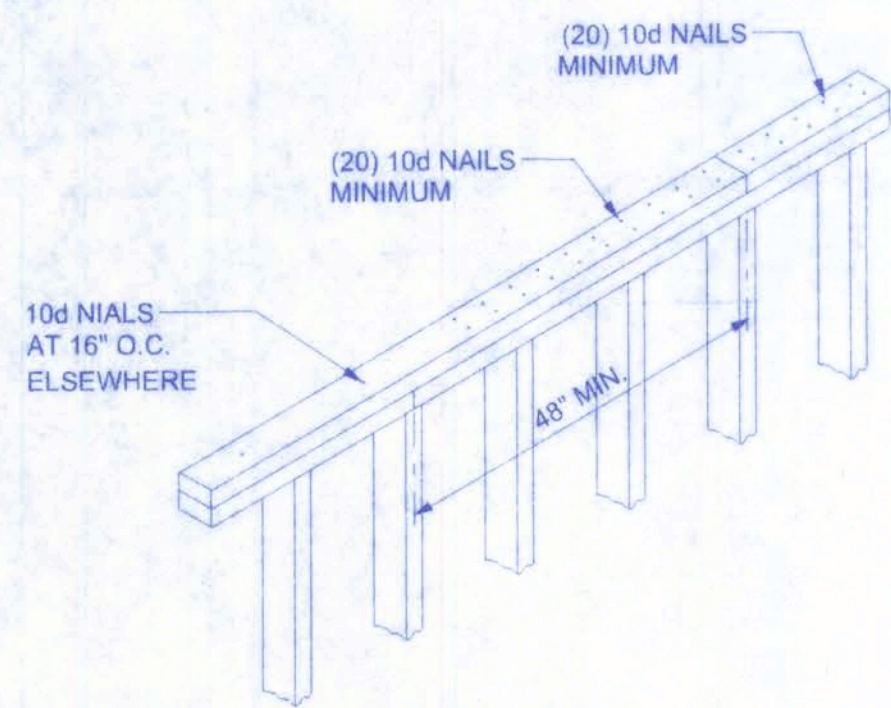
PROJECT NO. 09-R02

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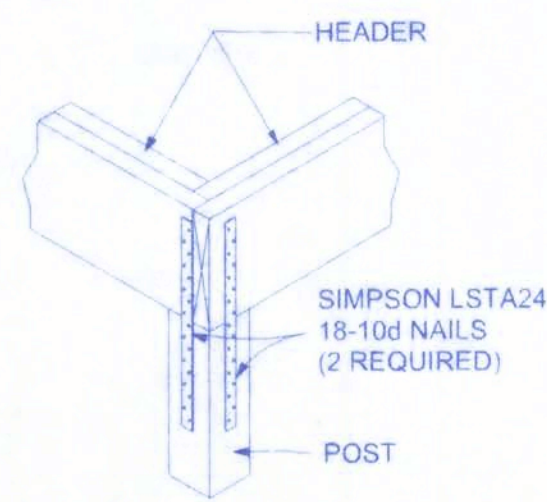
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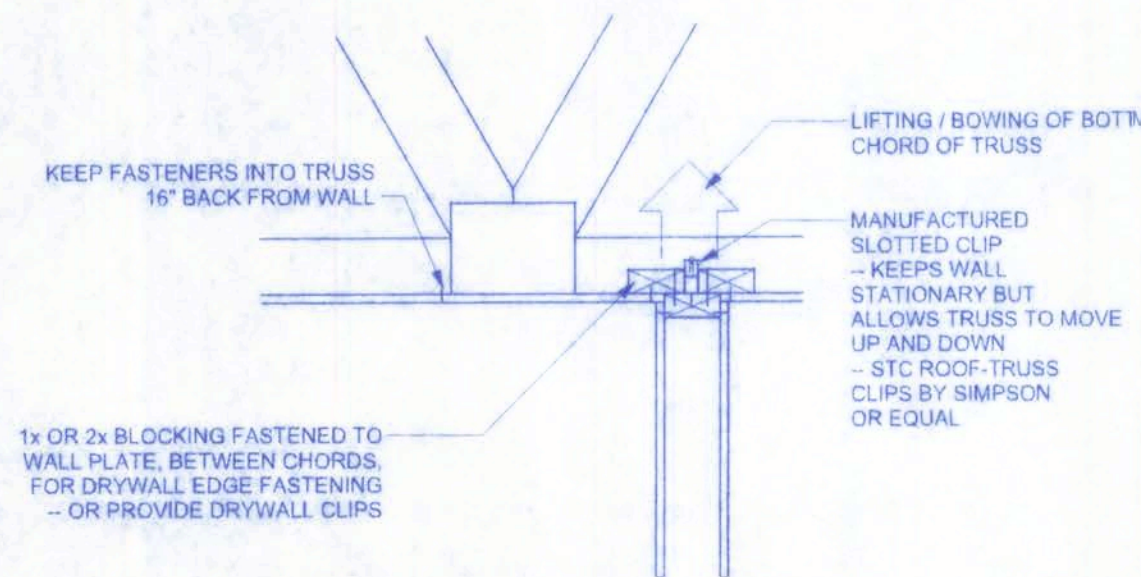
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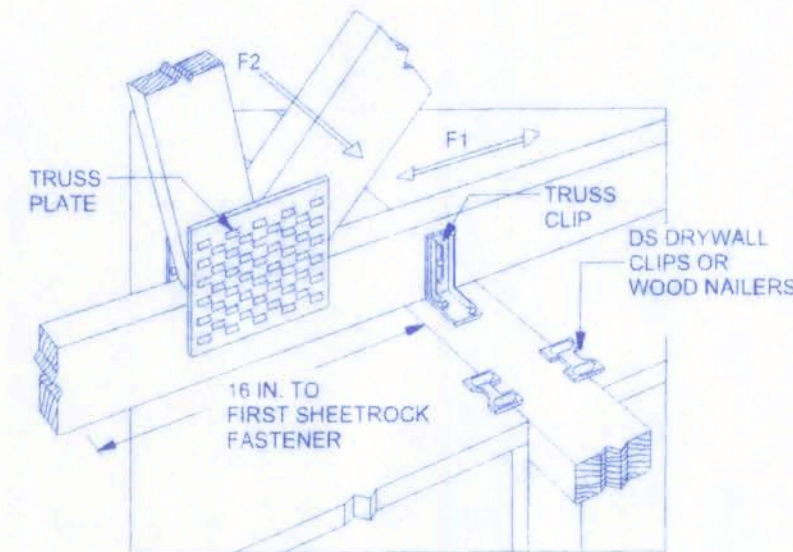
TOP PLATE SPLICE DETAILS
SCALE: 1/2" = 1'-0"



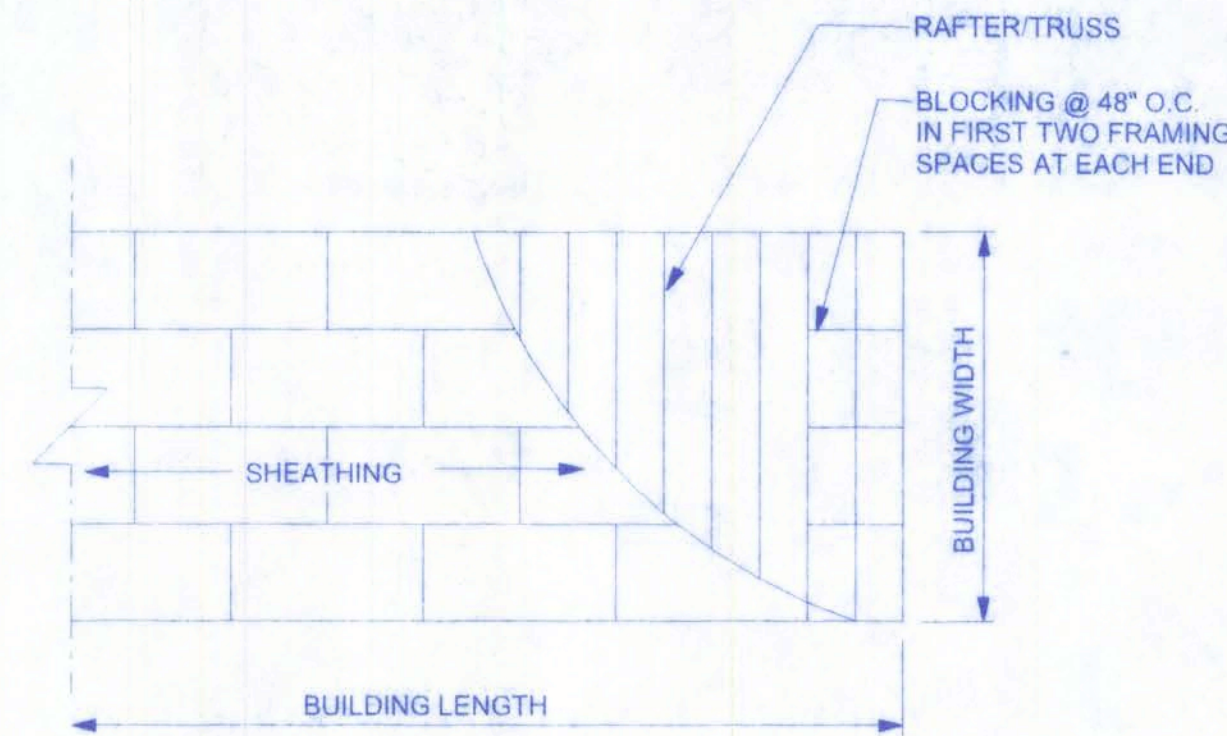
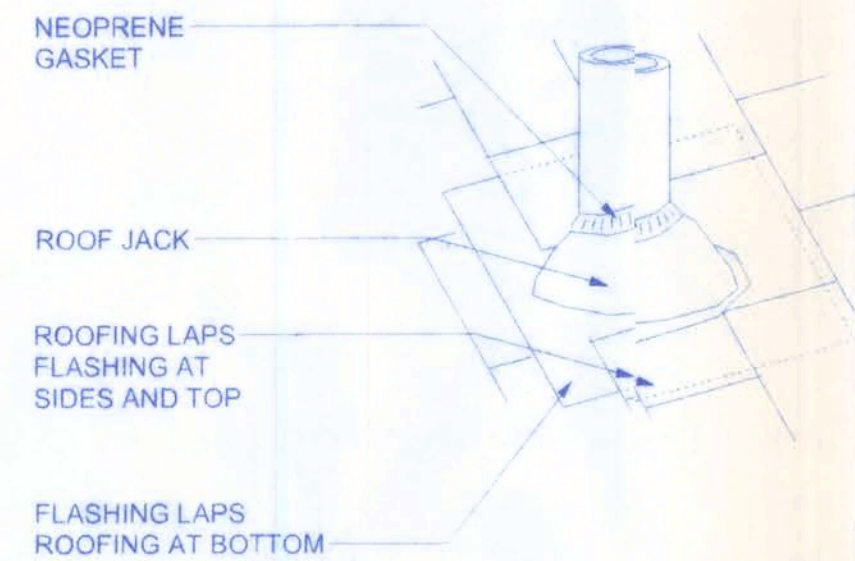
CORNER POST DETAIL
A NTS



NON-BEARING INT. WALL ATTACHMENT TO TRUSSES



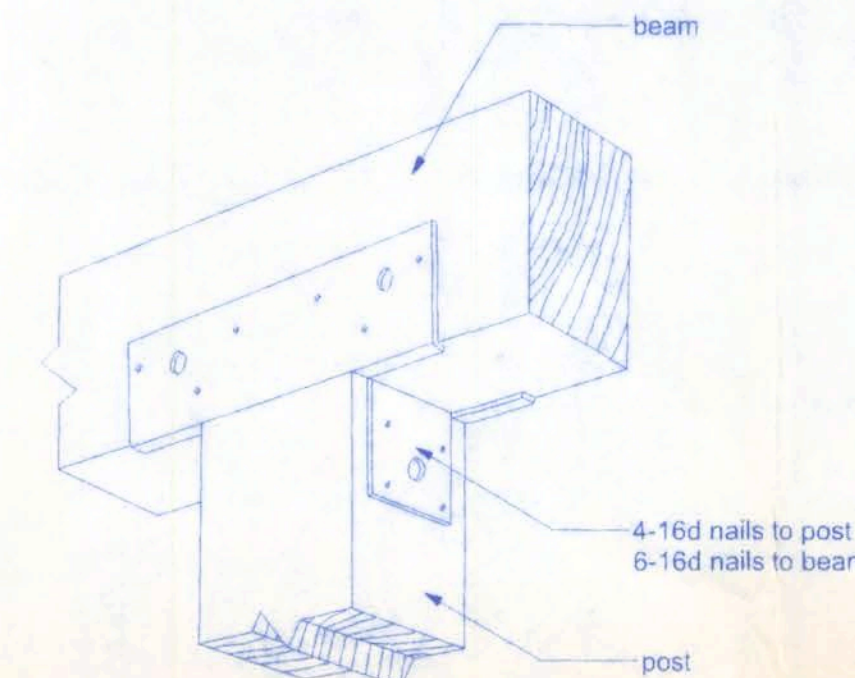
ROOF JACKS AND VENTS



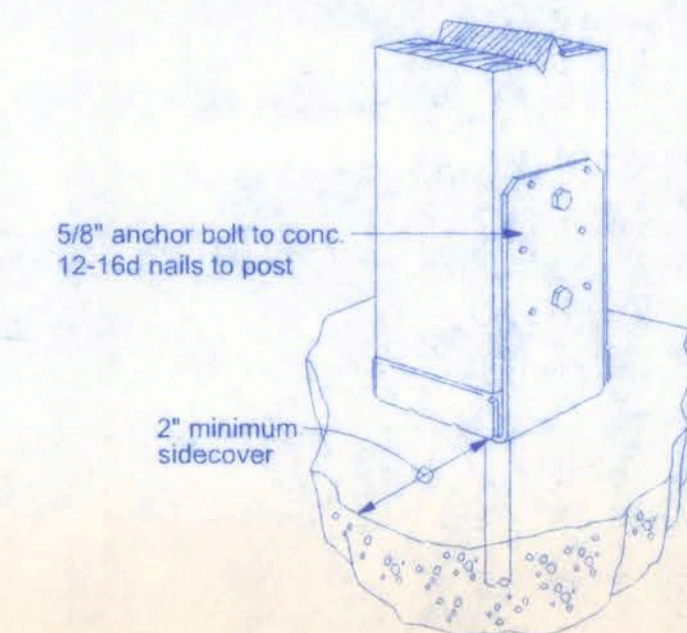
ROOF SHEATHING LAYOUT AND ENDWALL ROOF BRACING

ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS

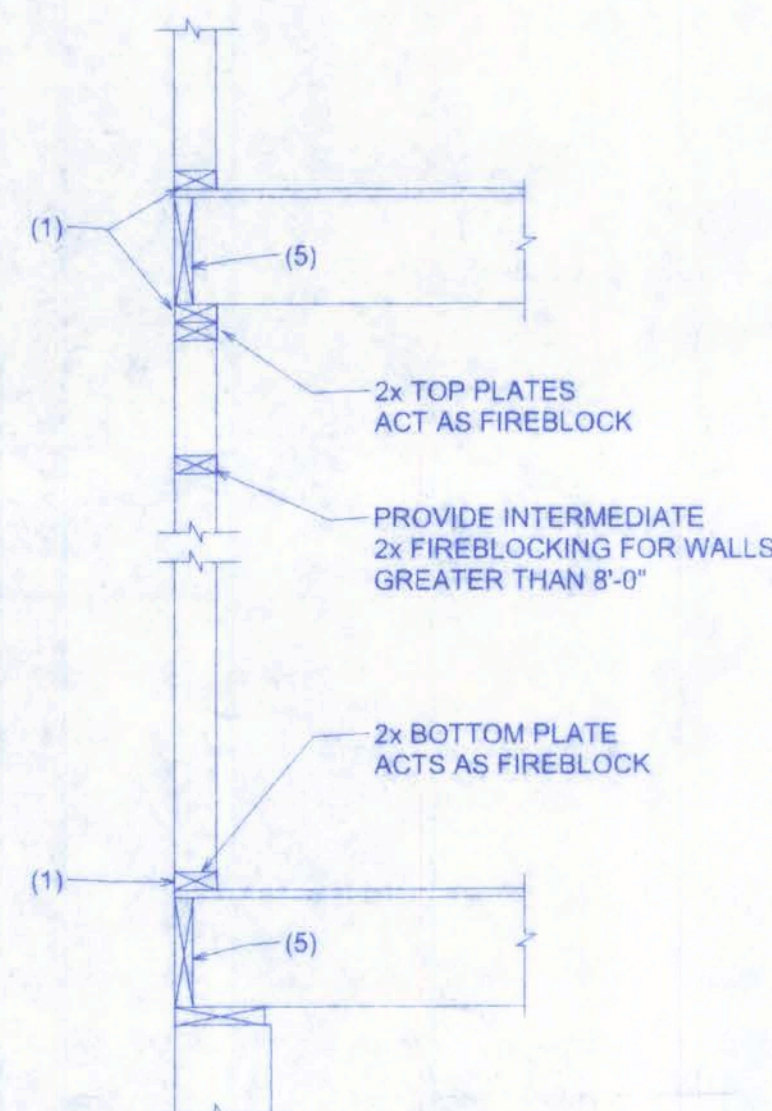
| STRUCTURAL MEMBER | ALLOWABLE DEFLECTION |
|--|----------------------|
| rafters having slopes greater than 2/12 with no finished ceiling attached to rafters | L/180 |
| interior walls and partitions | H/180 |
| floors and plastered ceilings | L/360 |
| all other structural members | L/240 |
| exterior 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 |



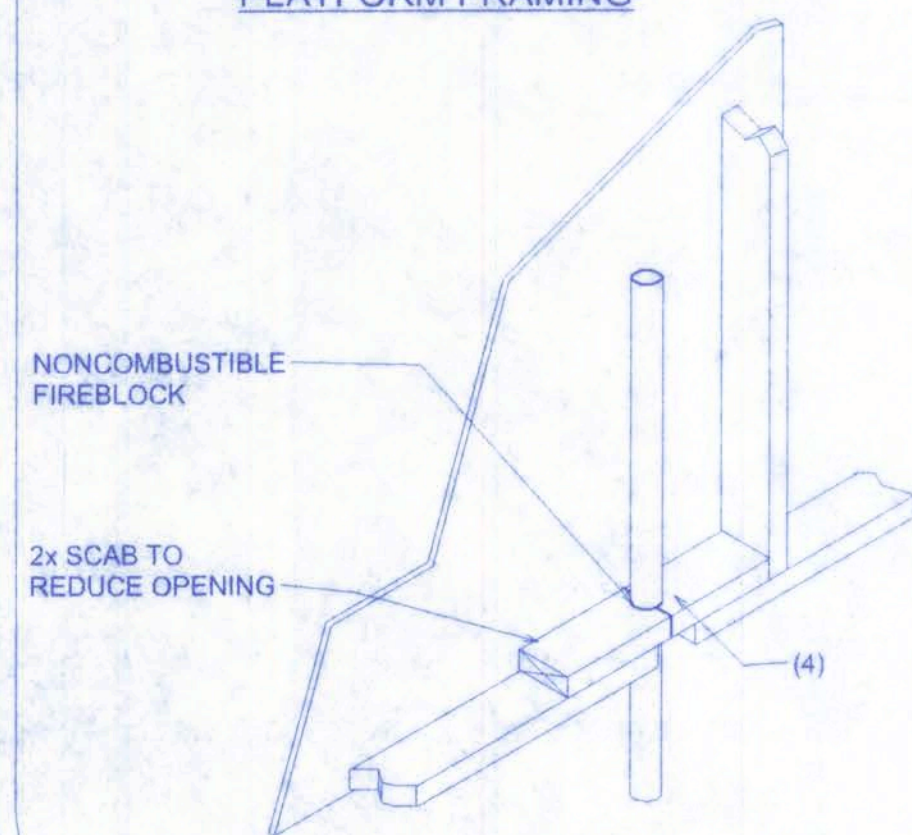
B Simpson PC44
AT INTERIOR POST



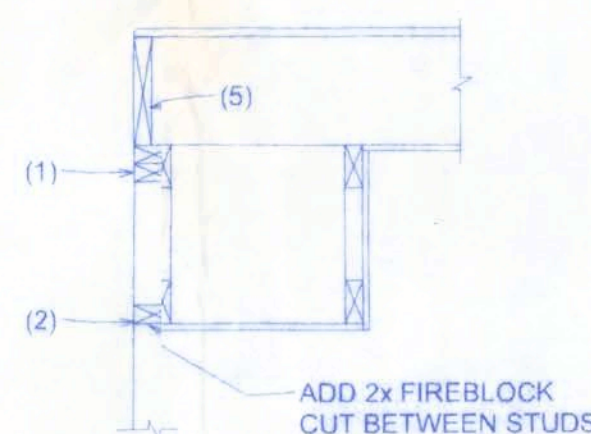
C Simpson ABU44
AT ALL POSTS



PLATFORM FRAMING



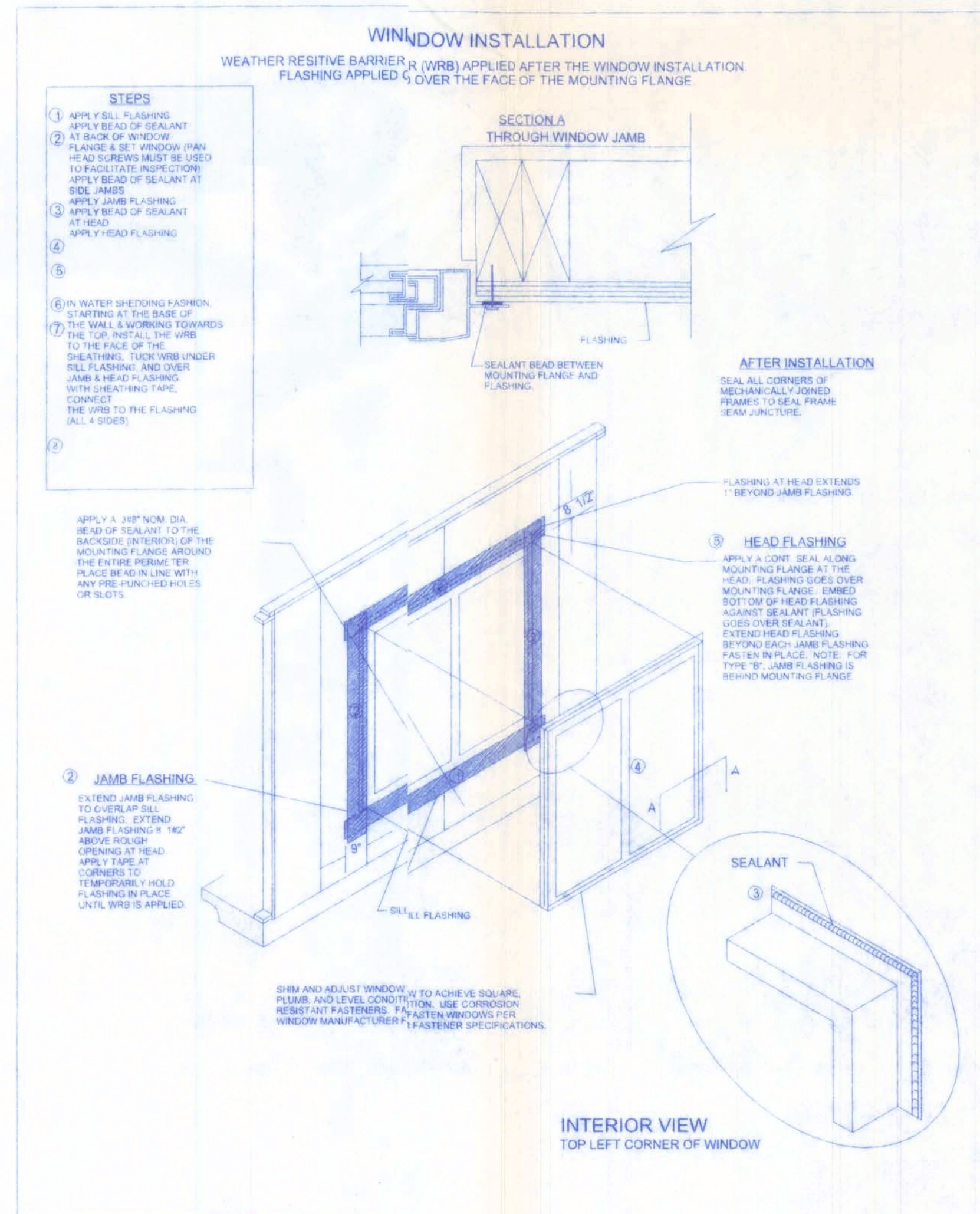
PENETRATIONS



SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

- FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS
 - AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
 - IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
 - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYRO PANEL MULTIFLEX SEALANT
 - 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 CENTER THE SUPPORTS.



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 |

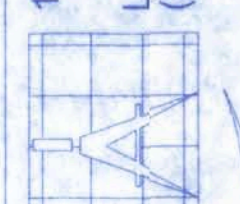
W. H. F.
5/22/09
PE #58001

SHELTON FEAGLE RESIDENCE

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CERTIFICATE OF AUTHORIZATION # 00008701



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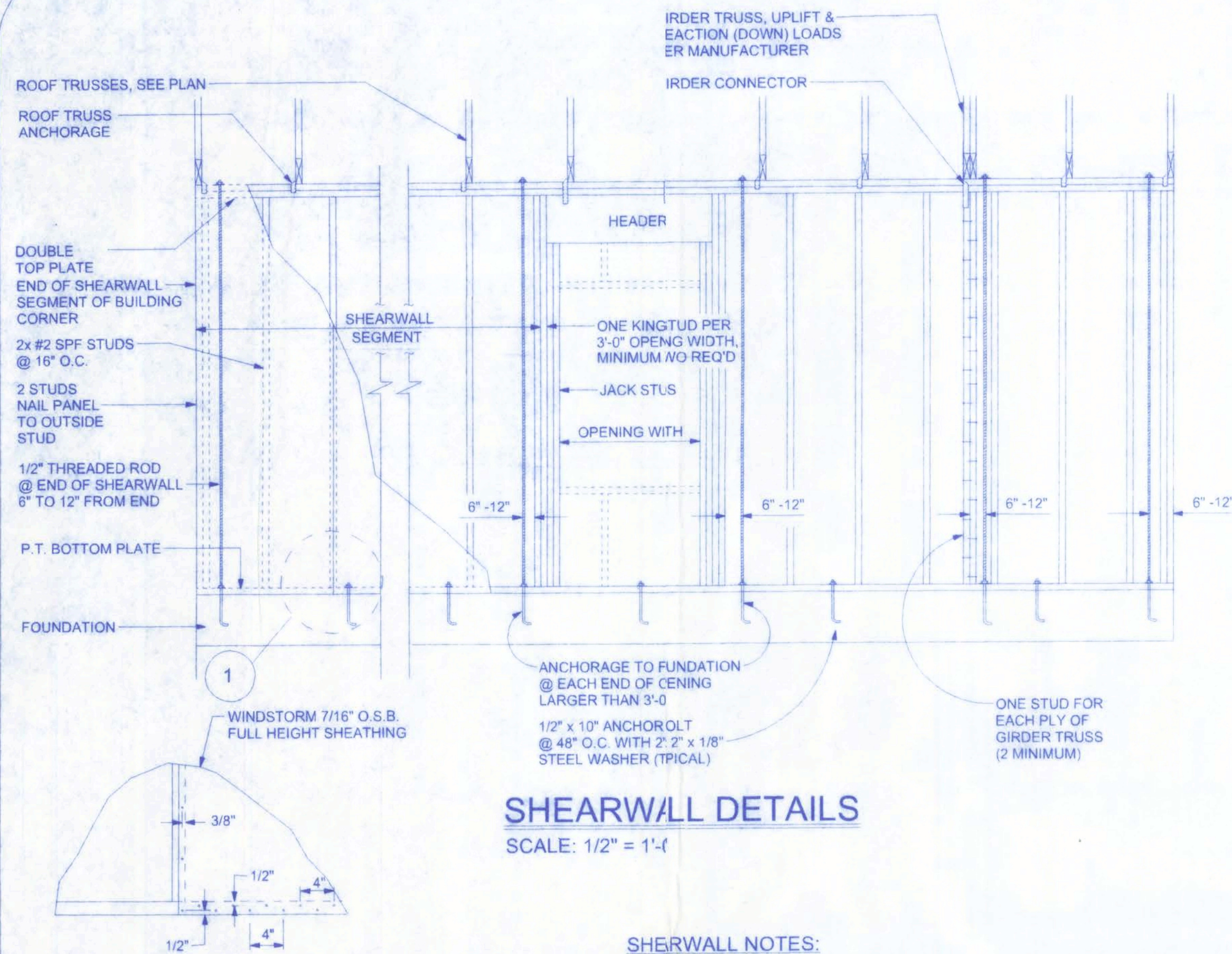
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SHEET A-8

OF 10

PROJECT NO. 09.0021



SHEARWALL DETAILS

SCALE: 1/2" = 1'-0"

DOUBLE NAIL EDGE SPACING TOP AND BOTTOM PLATE

UPLIFT CAPACITY = 474 plf
(TABLE 305S1 SST10-99)

RULES:

- One all-thread rod at each corner.
- One all-thread rod at each end of shearwalls.
- One all-thread rod at each end of opening headers greater than 3'-0".
- Check sub-sheathing to top plate connection for horizontal transfer capability.
- If necessary, add all-thread rods to girders individually to exclude the from average uplift plf.
- 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.

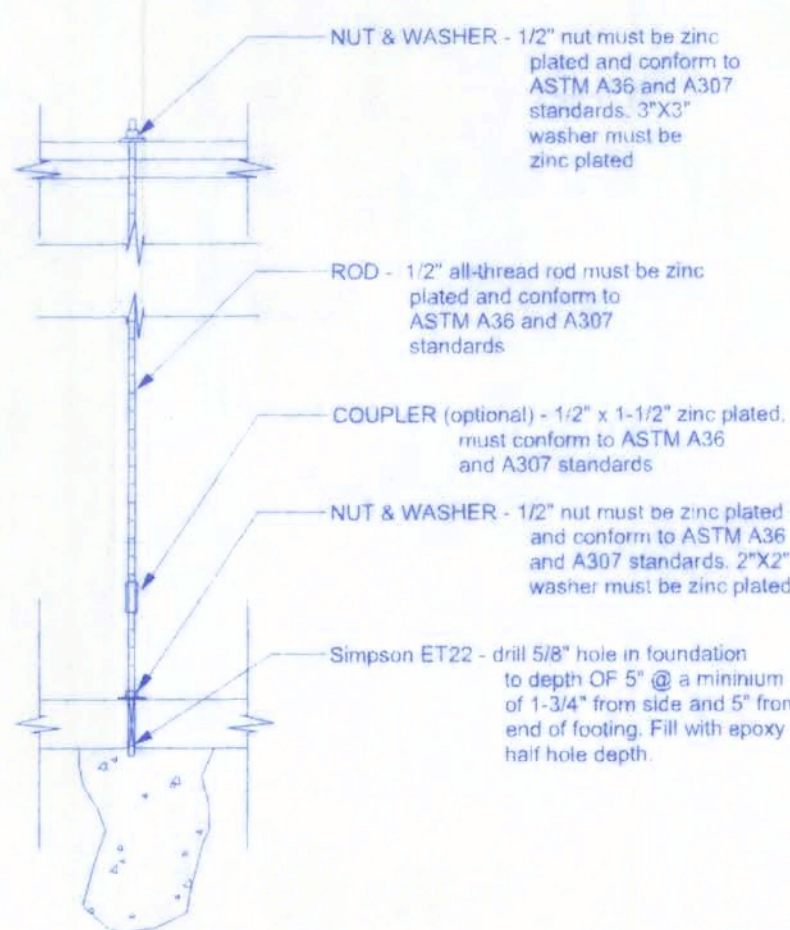
System Tightening:

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:

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-99 305.4.3.
- THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
- ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS & ALONG BLOCKING.
- NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
- TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 (FOR 8'-0" WALLS - (2'-3"))

| OPENING WIDTH | SILL PLATES | 16d TOE NAILS EACH END |
|---------------|--------------------|------------------------|
| JP 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 |



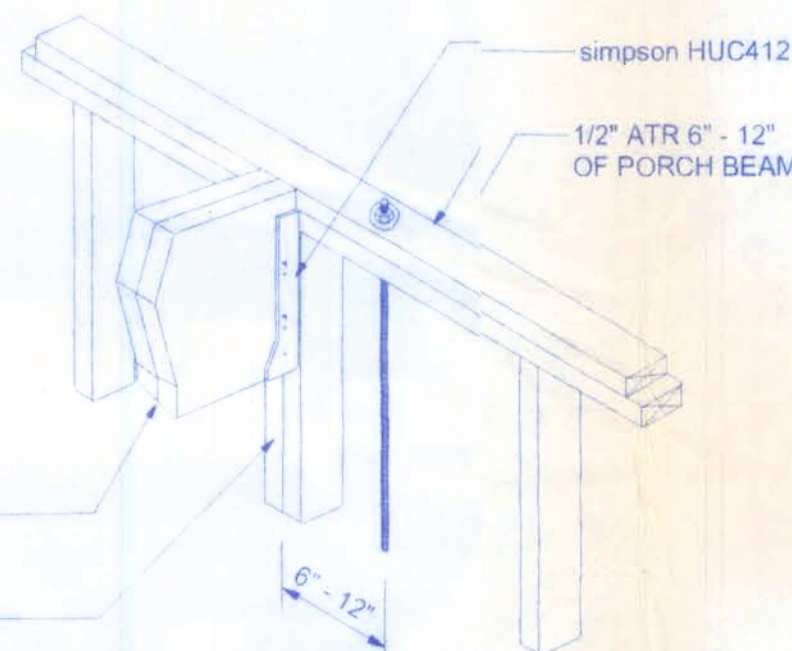
GIRDER COLUMN DETAIL

SCALE: 1/2" = 1'-0"

| 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 |

ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERS

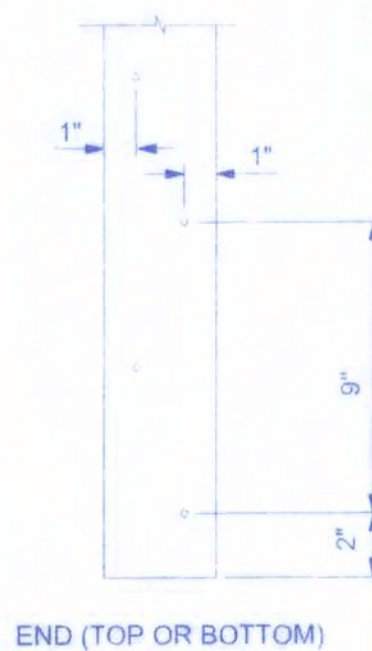
| STRUCTURAL MEMBER | ALLOWABLE DEFLECTION |
|--|----------------------|
| rafters having slopes greater than 2/12 with no finished ceiling attached to rafters | L/180 |
| interior walls and partitions | H/180 |
| floors and plastered ceilings | L/360 |
| all other structural members | L/240 |
| exterior 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.

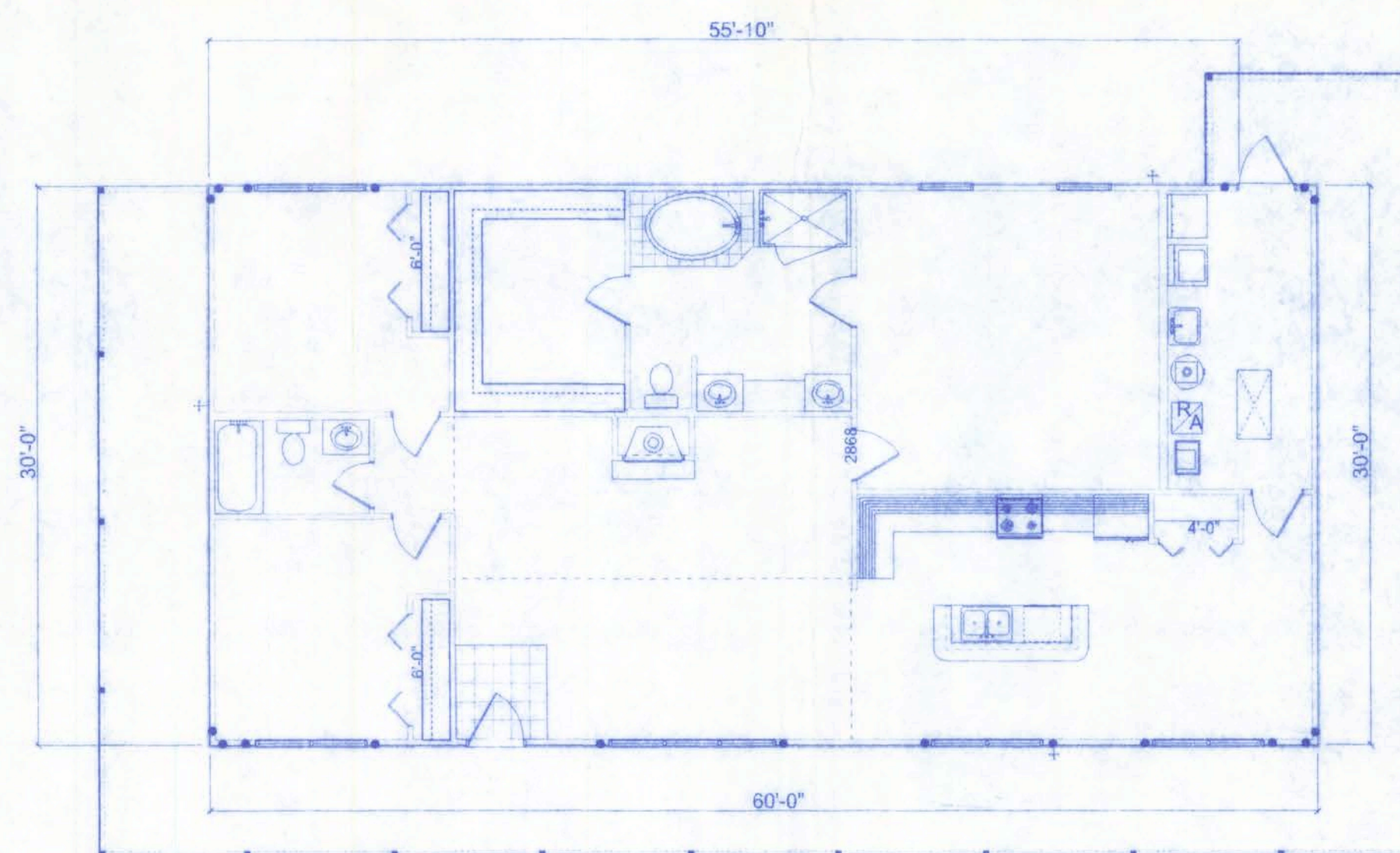


END (TOP OR BOTTOM)

NOTE:
ALL WALL SHEATHING SHALL BE WINDSTORM 7/16" 1 1/8" FULL HEIGHT SHEATHING-SEE DETAIL 1 FOR NAILING

ALL THREAD LOCATION

NOTE:
VERIFY GIRDER TRUSS LOCATION ON TRUSS LAYOUT FOR REQ'D ALL THREAD AT GIRDER LOCATION



SHEARWALL LAYOUT

SCALE: 1/8" = 1'-0"

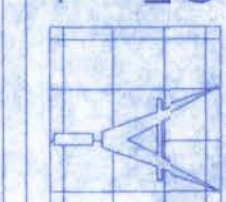
SHELTON FEAGLE RESIDENCE

128 SW NASSAU STREET

LAKE CITY, FL 32025

(386) 758-4209

CERTIFICATE OF AUTHORIZATION # 00008701



Freeman
Design Group
INC.

DATE
05/20/09

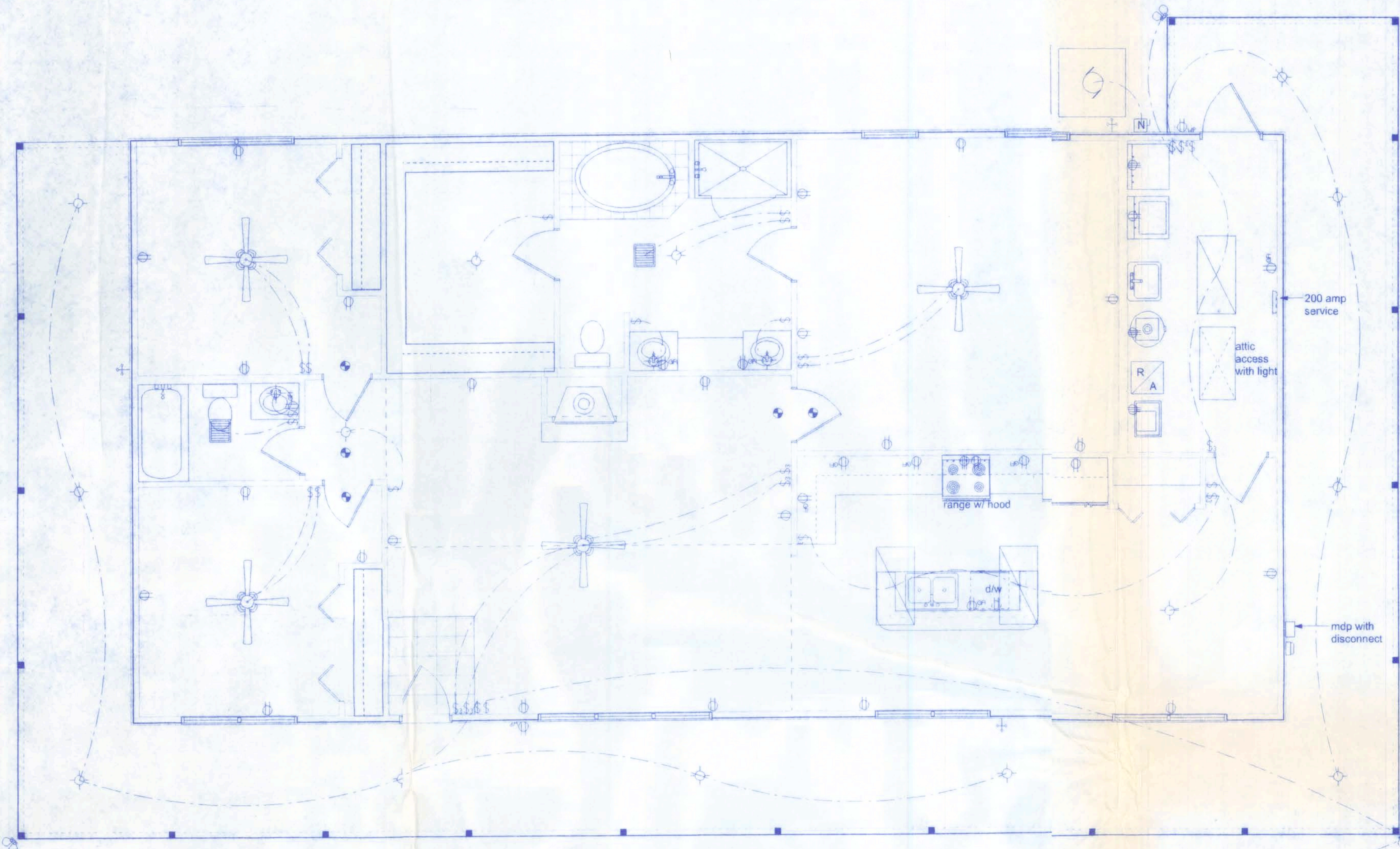
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W.H.F.

REVISIONS

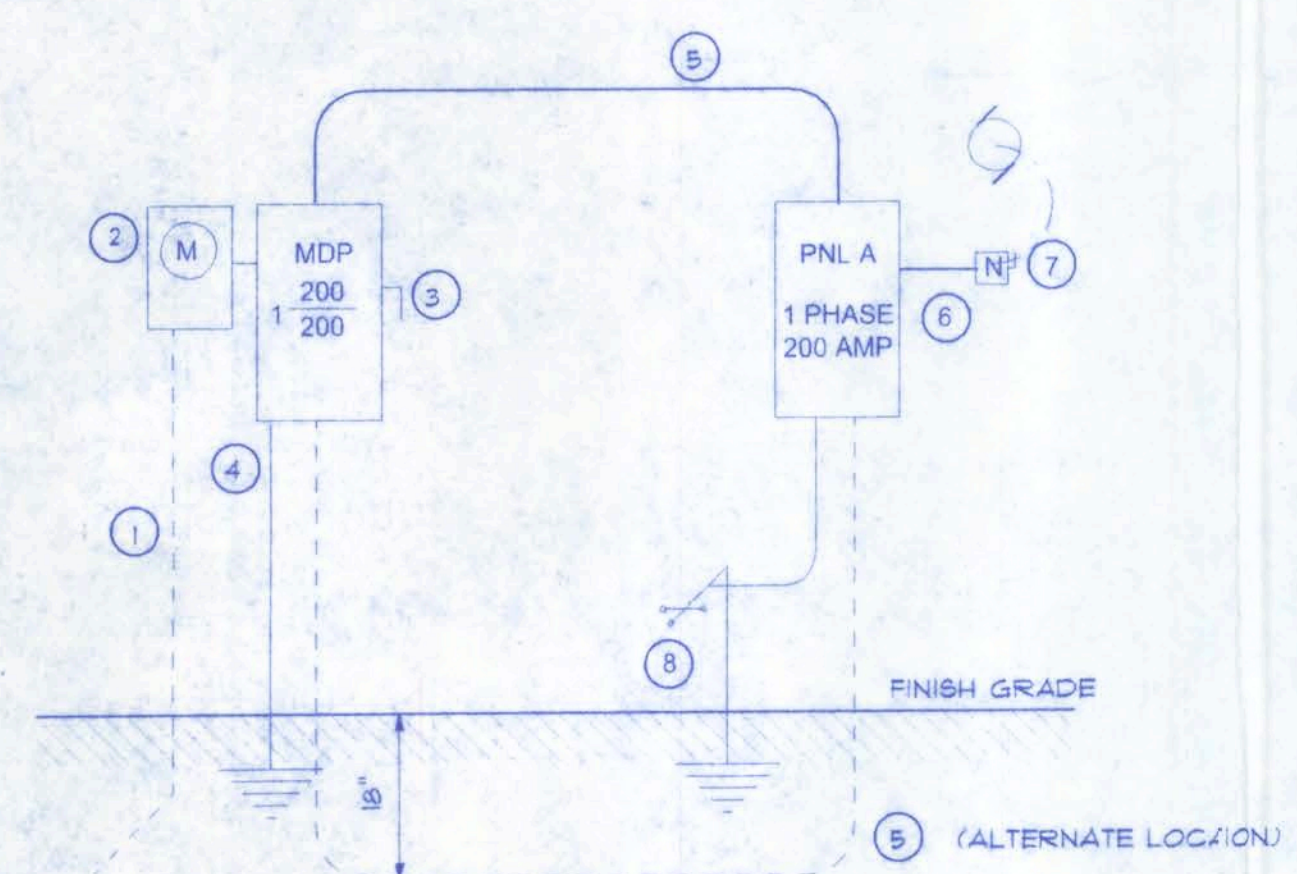
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PROJECT NO.
09.F021



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



- 1 Service/Feeder Entrance Conductors: 2 1/2" rigid conduit, min 18" deep, w. continuous ground bonding conductor. Service/Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- 2 Existing Meter Enclosure, weatherproof, U.L. Listed
- 3 Main Disconnect Switch: fused or Main Breaker, weatherproof, U.L. Listed.
- 4 Service entrance ground: 5/8" diameter iron/steel rod x 8'-0" long and/or concrete encased foundation steel rebar x 20'-0" long. Grounding conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item #5 below.
- 5 200 Ampere Feeder: 3-3/0-THW-Cu, 1-#2-Cu-GND, 2 1/2" Conduit
- 6 House Panel (PNL), U.L. Listed, sized per schedule.
- 7 Equipment Disconnect Switch: non-fused, in weather proof enclosure, size according to Panel Schedule loads.
- 8 Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE:
The minimum AIC rating for panel boards, breakers and disconnect switches shall be 22,000 AIC.

ELECTRICAL PLAN NOTES

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

CONSULT THE OWNER FOR THE NUMBER OF SEPERATE 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 | COUNT | SYMBOL |
|-------------------------|-------|--------|
| ceiling fan with lights | 4 | |
| fluorescent light 2 x 4 | 3 | |
| double flood light | 3 | |
| electrical meter | 1 | |
| electrical panel | 1 | |
| motor | 2 | |
| non fused disconnect | 2 | |
| 50 cfm exhaust fan | 2 | |
| light | 17 | |
| outlet | 27 | |
| outlet 220v | 4 | |
| outlet gfi | 9 | |
| outlet wp/gfi | 2 | |
| smoke detector | 5 | |
| switch | 18 | |
| switch 3 way | 8 | |

WIRING NOTES:

WIRING, DISTRIBUTION EQUIPMENT AND DEVICES
A. CONDUCTORS: Copper, in accordance with ASTM Standards, size reference AWG. Conductors No. 10 and smaller size solid, No. 8 and Larger, Stranded. Insulation of conductor thermoplastic, type THHN (min. size No. 12) any wire installed outside, underground, in slabs or exposed to moisture shall have THWN insulation.
B. RACEWAYS: RIGID STEEL CONDUIT, full weight pipe galvanized, threaded, and minimum 1/2 inch except as noted or required for wiring. ELECTRICAL METALLIC TUBING (EMT), thin wall pipe, galvanized, threadless, compression fittings, and minim 1/2" size except as noted or required for wiring. FLEXIBLE STEEL CONDUIT, continuous single strip, galvanized, and minimum 1/2" size except as noted or required for wiring. PVC CONDUIT, heavy duty type, size as indicated. Separate raceways shall be used for each voltage system.
C. DISCONNECT SWITCHES: General Duty, horsepower rated for motor loads 250 volt rating, fused or non-fused as noted; number of poles as indicated. Enclosure NEMA 1 for indoor use and NEMA 3R for weatherproof applications. Switch to be Square "D" or equal.
D. CIRCUIT BREAKERS: molded case, thermal-magnetic, quick make, quick break, bolt-on type with manually operated insulated trip-free handle. Multi-pole types with internal common trip bar. Terminals suitable for copper or aluminum conductors. Interrupting capacity minimum 10,000 RMS symmetrical amperes circuit circuit breakers to be Square "D", Siemens or equal, type as required.
E. PANELBOARDS: Voltage, phasing, and ampere ratings as indicated. Enclosure NEMA 1 for indoor use and NEMA 3R for weatherproof applications. Switch to be Square "D" or equal. A plastic label shall be located on exterior of panelboard identifying the system voltage, phase, and current rating.
F. WIRING DEVICES: All devices their product of the same manufacturer. Wall switches and receptacles to be 20 amp, 125 volt, unless noted otherwise. Color to be selected by Architect.
G. DEVICE PLATES: provide for all outlets where devices are installed. Provide engraved marking for special outlets (where noted). Provide blank plates for empty or future outlet boxes. DEVICE AND DEVICE PLATE COLORS TO BE VERIFIED WITH ARCHITECT AND OWNER.

GROUNDING SYSTEM:

a. EQUIPMENT: Ground non-current carrying metal parts of panel board, raceways and all lighting fixtures. All conduit shall have equipment grounding conductors.

INSTALLATION:

A. Secure all supports to building structure as specified under raceways. Support horizontal runs of metallic conduit not more than 10 feet apart. Run exposed raceways parallel with or at right angles to walls.
B. Pass raceways over water, steam or other piping when pull boxes are not required. no raceway within 3 inches of steam or hot water pipes, or appliances. expect crossing where the raceway shall be at least 2 inches from pipe cover.
C. Cut conduit ends square, ream smooth. Paint male threads of field threaded conduit with Graphite based pip compound. Draw up tight with conduit couplings.
D. Leave wire sufficiently long to permit making final connections. In raceway over 50 feet in which wiring is not installed, furnish pull wire.
E. Verify locations of outlets and switches.
F. Support panel, junction and pull boxes independently to building structure with no weight bearing on conduits.
G. Connect conduit to motor conduit terminal bases with flexible conduit; minimum 18 inches in length and 50% slack. Do not terminate in or fasten raceways to motor foundation.
H. This contractor shall provide a temporary electrical distribution system as required; 120/208 volt, 1 phase, 100 amp, for new construction. All temporary work shall be installed in a neat and safe manner.
I. Contractor to remove and salvage all abandoned electrical equipment.
J. This contractor shall warrant all labor and materials for one year from date of final written acceptance.

Walter H. Freeman
5/22/09
PE #56001

SHELTON FEAGLE RESIDENCE

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

CERTIFICATE OF AUTHORIZATION # 00008701

Freeman
Design Group inc

DATE: 05/20/09
DRAWN BY: W.H.F.

REVISIONS

SHEET: A-10
OF: 10

PROJECT NO.: 09.R021