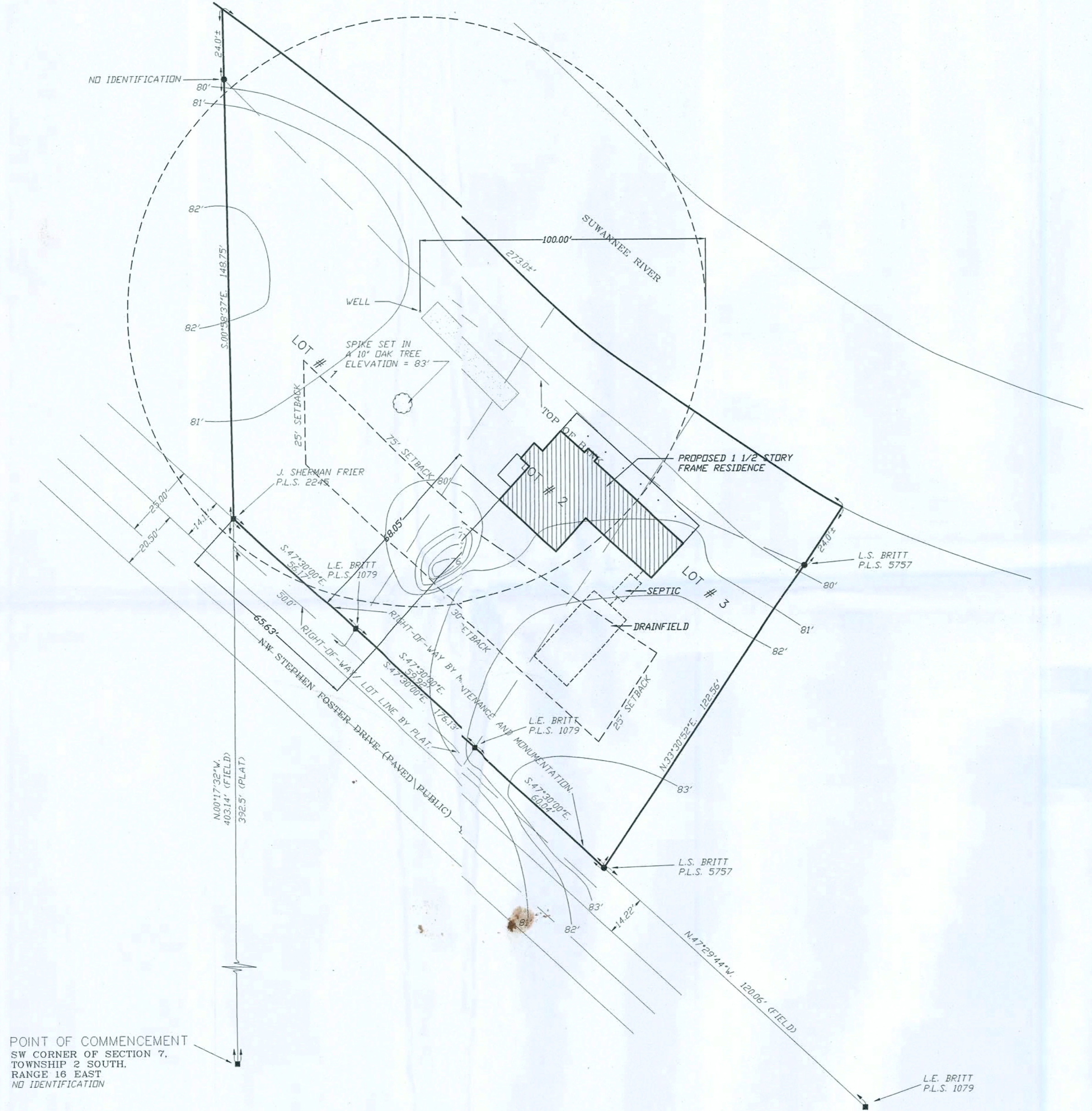




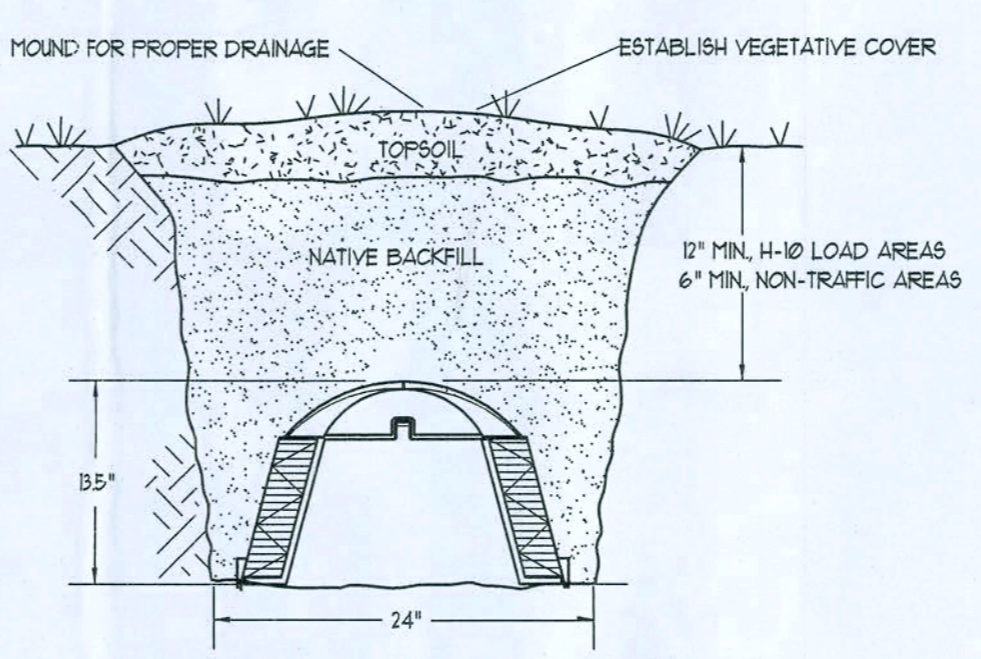
- SYMBOL LEGEND**
- 4"x4" CONCRETE MONUMENT FOUND
  - 4"x4" CONCRETE MONUMENT SET
  - IRON PIPE FOUND
  - IRON PIV AND CAP SET
  - POWER POLE
  - ▲ WATER METER
  - CENTERLINE
  - WELL
  - SATELLITE DISH
  - TELEPHONE BOX
  - ELECTRIC LINES
  - WIRE FENCE
  - CHAIN LINK FENCE
  - WOODEN FENCE

**DESCRIPTION**  
 LOTS 1, 2 AND 3 OF A SUBDIVISION OF PART OF THE SW 1/4 OF THE SW 1/4 OF SECTION 7,  
 TOWNSHIP 2 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, AS PER PLAT  
 THEREOF RECORDED IN OFFICIAL RECORD BOOK 220, PAGE 128 AND BOOK 241, PAGE 102  
 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

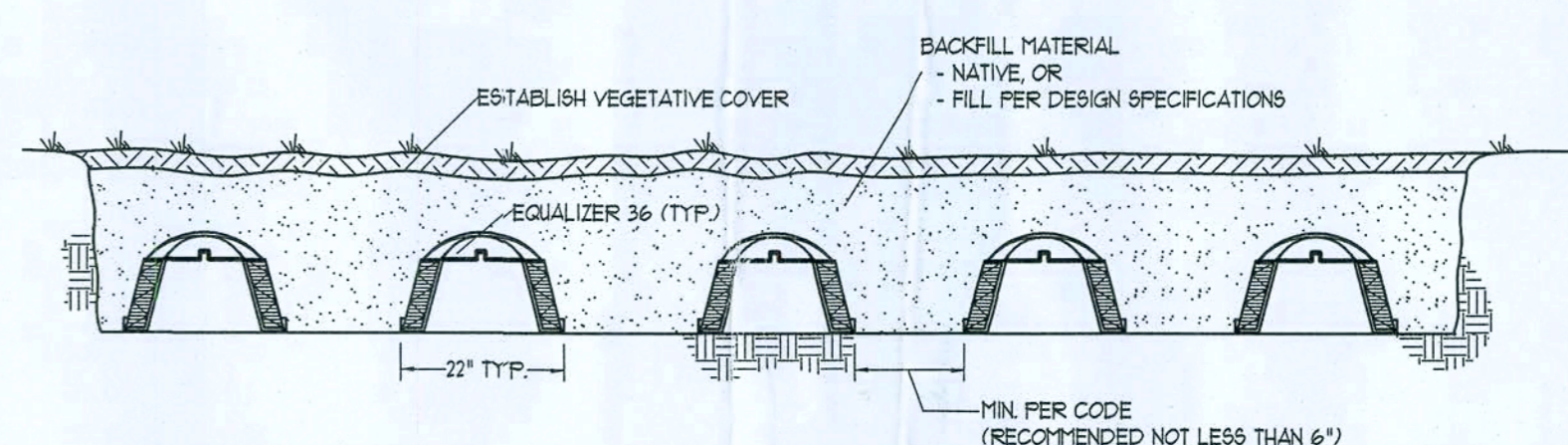


POINT OF COMMENCEMENT  
 SW CORNER OF SECTION 7,  
 TOWNSHIP 2 SOUTH,  
 RANGE 16 EAST  
 NO IDENTIFICATION

**SITE PLAN**  
 SCALE: 1" = 3000'



**EQUALIZER 36 TRENCH DETAIL**  
 NOT TO SCALE



**INFILTRATOR EQUALIZER 36 BED**  
 NOT TO SCALE

REVISIONS  
 Copyright 2014  
 N.P. Giesler, Architect  
 DRAWN  
 PG

CUSTOM RESIDENTIAL DESIGN FOR:  
**MR & MRS. S. HAIR**  
 COLUMBIA COUNTY, FLORIDA  
**SITE PLAN**

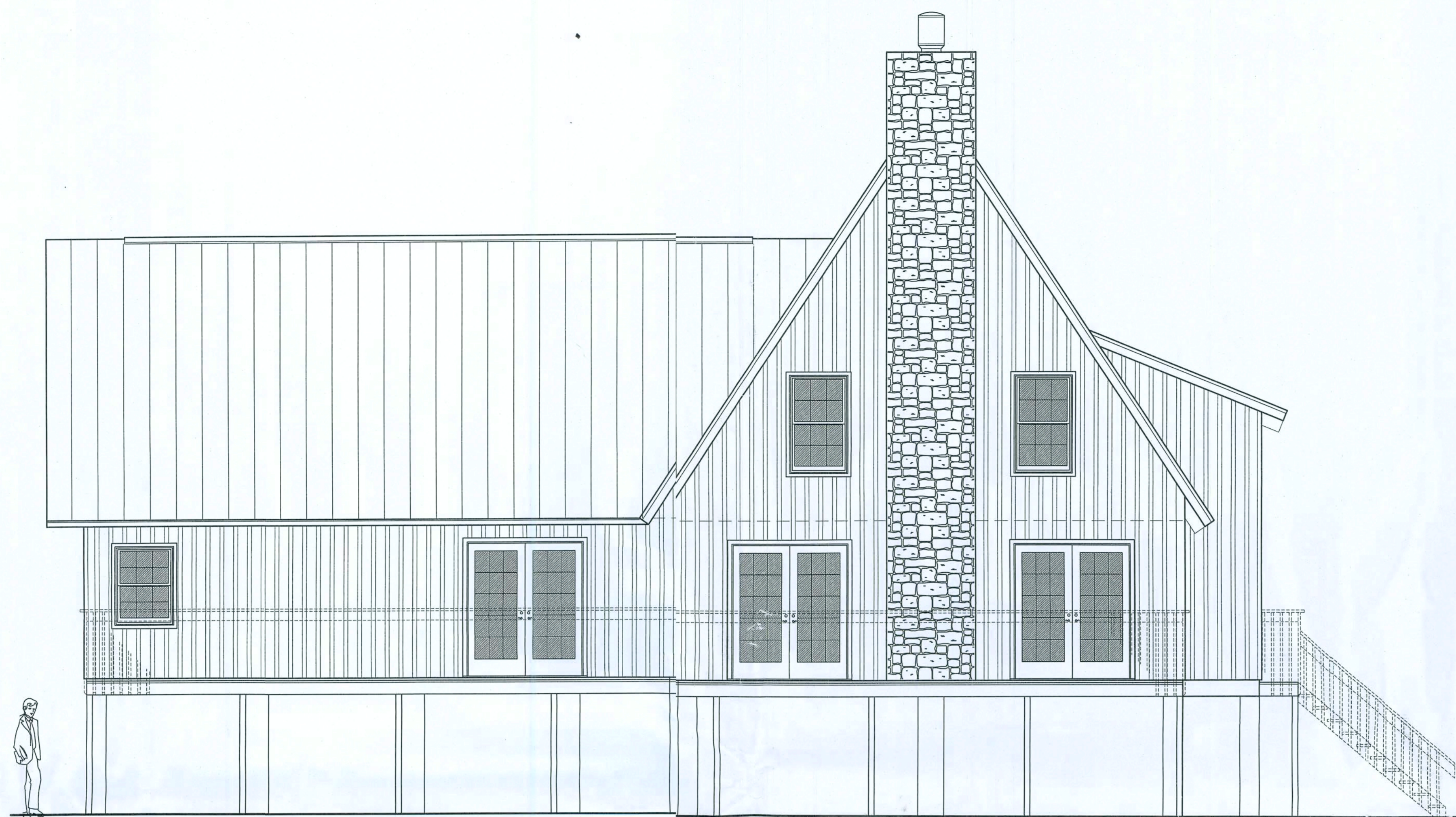
Celebrating  
 42 Years of Service  
 1972-2014  
 N.P. Giesler, Architect  
 AR0007005

**NG**  
 NICHOLAS  
 GIESLER  
 ARCHITECT  
 1728 NW Brown Rd.  
 33606-5902-4305  
 N.C.A.R.C. CERTIFIED

DATE:  
 06 AUG 2014  
 COMM:  
 2K1443  
 SHEET:  
 SP.1  
 1 OF 1

*Handwritten signature and date:*  
 12 Aug 2014  
 AR0007005

These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use or incorporated within any other job without specific and individual authorization by the architect.



Custom River House Design for:  
**Mr. & Mrs. S. Hair**  
 Columbia County, Florida

Drawing Index

C6.1	COVER SHEET, DRAWING INDEX	A.1	STRUCTURAL INFORMATION
A.1	GENERAL NOTES & DETAILS	A.2	FOUNDATION PLAN
A.2	BUILDING ELEVATIONS	A.3	FLOOR FRAMING PLANS
A.3	FLOOR PLAN	A.10	ROOF FRAMING PLAN
A.4	DIMENSION FLOOR PLAN	A.11	WALL SECTIONS and STRUCTURAL DETAILS
A.5	INTERIOR ARCHITECTURAL DETAILS		
A.6	EXTERIOR ARCHITECTURAL DETAILS		

REVISION:

Copyright 2014  
 N.P. Geisler, Architect

DRAWN:  
 198

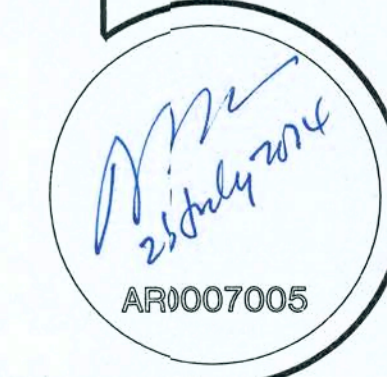
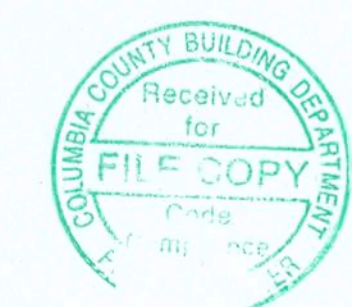
CUSTOM RESIDENTIAL DESIGN for:  
**MR & MRS. S. HAIR**  
 COLUMBIA COUNTY, FLORIDA  
**COVER SHEET**

Celebrating  
 43 Years of Excellence  
 1972 - 2014  
 N.P. GEISLER ARCHITECT  
 ARCHITECT  
 (ARM07005)

**NS**  
 NICHOLAS  
 PAUL  
 GEISLER  
 ARCHITECT  
 N.C.A.R.B. Certified  
 1756 NW Brown Rd.  
 Lake City, FL 32055  
 386-305-4355

DATE:  
 21 JULY 2014  
 COMM:  
 2K1443

SHEET:  
 C6.1  
 1 of 1



Field "As-Built" Notes

PROJECT INFORMATION

IMPORTANT!

THE INFORMATION LISTE HERE IS ESSENTIAL AND MUST BE READ CAREFULLY PRIOR TO THE CONSTRUCTION OF YOUR NEW HOME.

HOME PLANS ARE DESIGNED BASED ON THESE LUMBER GRADING SPECIFICATIONS.

DIMENSIONAL LUMBER: FLOOR FRAMING, WALL FRAMING, BEAMS & GIRDERS SHALL BE #2 SOUTHERN YELLOW PINE & BETTER OR #1 HEM-FIR & BETTER

DIMENSIONAL LUMBER: EXPOSED BEAMS, GIRDERS, RAFTERS & JOISTS, POSTS, TRIM & CASINGS SHALL BE #2 TIDEWATER RED & YELLOW CYPRESS OR WESTERN RED CEDAR

PORCH & DECK FRAMING: #2 PRESSURE TREATED SOUTHERN YELLOW PINE

MANUFACTURED LUMBER: SHALL BE GLU-LAM BEAMS OR 2.0E LVL.

DESIGN VALUES, LOADS & CODES

WIND DESIGN SPEED: 130 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:

FOOTING DESIGN IS BASED UPON 1000 PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND GRAVEL OR STONE. OTHER SOIL CONDITIONS: 1a) CLAY, HIGH LEVEL ORGANICS OR OTHER UNDESIRABLE SOILS SHALL BE REPORTED TO YOUR SALES REPRESENTATIVE, PRIOR TO CONSTRUCTION.

LIVE LOADS: 1st FLOOR: 40 PSF, 2nd FLOOR: 30 PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2010 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST

LIFE SAFETY: NFPA-101 LATEST

CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO YOUR SALES REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

DO NOT SCALE THESE PLANS

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

SAFETY PRECAUTIONS

SMOKE DETECTOR REQUIREMENTS

SMOKE DETECTORS (APPLIED BY OTHERS) MUST BE INSTALLED ADJACENT TO THE BEDROOM AREAS, AND MUST BE INSTALLED ON EACH STORY OF THE HOME INCLUDING BASEMENTS. SMOKE DETECTORS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING, AND BE PERMANENTLY WIRED WITHOUT DISCONNECT SWITCHES. SMOKE DETECTORS TO BE AN APPROVED TYPE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND NEC-LATEST.

CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT PRIOR CONSULTING WITH THE ARCHITECT. THE ARCHITECT WILL NOT ASSUME ANY LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS & BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THESE PLANS.

HARDWARE REIGHTENING REQUIREMENTS

ALL LAG SCREWS AND BOLT CONNECTIONS ON ROOF FRAMING, POSTS, GIRDERS, TIMBERS AND OTHER STRUCTURAL MEMBERS TO BE INSPECTED PERIODIALLY AND REIGHTENED AS NECESSARY.

STANDARD ABBREVIATIONS

Ø	AT	GALV.	GALVANIZED
#	NUMBER OR PIND(S)	HORZ.	HORIZONTAL
=	EQUALS	INS.	INSULATION
∅	DIAMETER	INT.	INTERIOR
W	WITH	LAV.	LAVATORY
W/O	WITHOUT	L.V.L.	LAMINATED VENEER LUMBER
±	CENTERLINE	MAX.	MAXIMUM
∅	AND	MIN.	MINIMUM
∅ or ±	PLUS OR MIN	MISC.	MISCELLANEOUS
1'	ONE FOOT	M.O.	MASONRY OPENING
1" OR 1/4"	ONE INCH	No. OR N.	NUMBER
1/4" or 1/8"	ONE QUARTER INCH	O.C.	ON CENTER
Ød	Ø PENNY	O/H	OVER-HEAD
B.M.	BEAM	OHD	OVER-HEAD DOOR
B.O.	BY OTHERS	PLYWD.	PLYWOOD
BOT.	BOTTOM	P/T	PRESSURE TREATED
CLG.	CEILING	REINF.	REINFORCING (ED)
CO	CLEANOUT	REQ'D	REQUIRED
CON.	CONCRETE	RM.	ROOM
COTG	CLEANOUT TO GRADE	R.O.	ROUGH OPENING
DBL.	DOUBLE	SF	SQUARE FEET
DM	DIMENSION	SGD	SGLD SLIDING GLASS DOOR
DN.	DOWN	SHT.	SHEET
ELEV.	ELEVATION	SRH/L	SUWANNEE RIVER LOG HOMES
EXT.	EXTERIOR	TYP.	TYPICAL
F	FRENCH (DOCS)	VERT.	VERTICAL
FDN.	FOUNDATION	WC	WATERCLOSET (TOILET)

GENERAL NOTES:

- 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.
- THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE 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.
- 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.
- 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.
- 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 LIABILITY" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
- 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.

AS-BUILT DRAWING REQUIREMENTS:

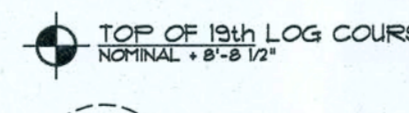
- ELECTRICAL "AS-BUILT" DRAWINGS: ELECTRICAL CONTR. SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL ELECTRICAL WORK INCLUDING ANY CHANGES TO THE ELEC. PLAN. ADDS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL OCTS IDENTIFIED W/ OCT NO., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTINGS/DEPTH. RISER DIA SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- HVAC "AS-BUILT" DRAWINGS: HVAC CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL HVAC WORK INCLUDING ALL DUCTWORK, LOC. SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT. CONTR. SHALL PROVIDE 1 COPY OF AS-BILT. DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- PLUMBING "AS-BUILT" DRAWINGS: PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL PLUMBING WORK INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR. SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

SYMBOLS

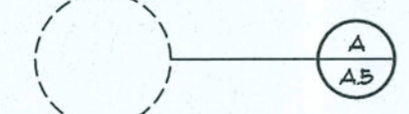
THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS



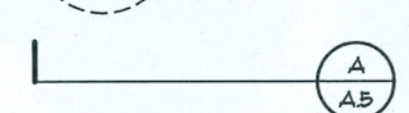
TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.



TYPE OF ELEVATION MARK USED TO INDICATE THE TOP OF A LOG COURSE NORMAL - 1/8" DIA.



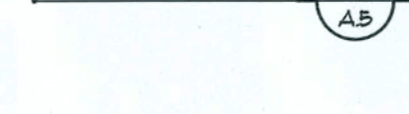
TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW.



TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL.



TYPE OF SECTION MARK USED TO INDICATE A SECTION OR DETAIL.



INDICATES FOOTING TYPE "A", DESCRIBED IN THE FOOTING SCHEDULE.



INDICATES POST/CORNER TYPE #1, DESCRIBED IN THE COLUMN SCHEDULE.



INDICATES POST/CORNER TYPE #1, LOCATED BELOW CURRENT LEVEL.



INDICATES POST/CORNER TYPE #1, LOCATED ABOVE CURRENT LEVEL.



INDICATES POST/CORNER TYPE #1, LOCATED OVER TYPE #1 POST/CORNER.

GENERAL PLUMBING NOTES:

- SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
- ALL MATERIALS SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
- ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
- PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
- WATER PIPING SHALL BE TYPE L COPPER UP TO 1", TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER AT THE OWNER'S OPTION. SUPPLY PIPING MAY BE CPVC, SCHEDULE 40 OR SCHEDULE 80.
- DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
- SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 30"-12" ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNER'S OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C., SEE NOTE 12, BELOW INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
- P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
- ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
- FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
- DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
- ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
- PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT HANDFOLD.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
- PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
- FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

GENERAL MILLWORK NOTES:

- MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6 OF THE GENERAL NOTES, THIS SHEET.
- SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS.
- ALL APPLICABLE STANDARDS OF "AII" QUALITY STANDARDS & GUIDE SPECIFICATIONS APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
- AII "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WORK.
- MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MATLS OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF W.D. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.
- PRODUCTS SHALL INCLUDE THE FOLLOWING: SOFTWOOD - SOLID STOCK PINE, C OR BETTER HARDWOOD - SPECIES AS SELECTED BY OWNER PLYWOOD, OPAQUE FINISH - FIR, GRADE A/B PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER LAM. PLASTIC - MFG. COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER LAMINATING ADHESIVES - POLYVNYL ACETATE, UREA-FORMALDEHYDE, CASEIN
- ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL IN/SO/F AS POSSIBLE.
- PROTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SITE UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.
- FABRICATE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITE.
- INSTALL HARDWARE IN ACCORDANCE WITH MANUF.'S DIRECTIONS. LEAVE OPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.
- DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

GENERAL H.V.A.C. NOTES:

- SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL NOTES/DIA.
- HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
- HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
- HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DUGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER EXHAUST FANS AND AIR DEVICES.
- IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
- FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUMINUM 1/4" 1/4" LB. DENSITY FIBERGLASS INSULATION AND SHALL BE ULL LISTED SHEET METAL DUCT SHALL BE LINED W/ 1" MATRACED DUCT LINER & WRAPPED W/ 1/4" LB. POLYFACED FIBERGLASS INSULATION. ALL FIBERGLASS DUCT SHALL BE POLYFACED, R4/7R6 & DUCTBOARD.
- ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
- ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURERS SHALL BE TITUS, METALARE, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE OWNER.
- IF REQUIRED BY THE OWNER, THE HVAC SUB-CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGN AND SEALED BY A REGISTERED ENGINEER.
- HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFR.
- ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
- ALL EQUIPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSORS SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
- ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
- CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
- FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHAPE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.5. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
- HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- IT IS THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
- COORDINATE W/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE N. 21 & 25, TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.

NOTICE TO HOMEOWNER

A PART OF YOUR AIR CONDITIONING SYSTEM, THE AIR HANDLER, IS LOCATED IN THE ATTIC. FOR PROPER, EFFICIENT, AND ECONOMIC OPERATION OF THE AIR CONDITIONING SYSTEM, YOU MUST ENSURE THAT REGULAR MAINTENANCE IS PERFORMED. YOUR AIR CONDITIONING SYSTEM IS EQUIPPED WITH ONE OR BOTH OF THE FOLLOWING:

- 1) A DEVICE THAT WILL ALERT YOU WHEN THE CONDENSATION DRAIN IS NOT WORKING PROPERLY OR
- 2) A DEVICE THAT WILL SHUT THE SYSTEM DOWN WHEN THE CONDENSATION DRAIN IS NOT WORKING.

TO LIMIT POTENTIAL DAMAGE TO YOUR HOME, AND TO AVOID DISRUPTION OF SERVICE, IT IS RECOMMENDED THAT YOU ENSURE PROPER WORKING ORDER OF THESE DEVICES BEFORE EACH SEASON OF PEAK OPERATION.

GENERAL WELL & SEPTIC NOTES:

- SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, THIS SHEET.
- LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 15'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/JOINING PROPERTY.
- POTABLE WATER WELLS SHALL BE A MINIMUM 4" WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM MINIMUM HORSEPOWER SHALL BE 1/2 HP OR AS DIRECTED BY THE OWNER. MOTOR STARTER SHALL BE CLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4X4 FOOT AT THE WELL HEAD.
- WELL HEAD SHALL PROJECT 2" ABOVE GRADE.
- ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECK VALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBS, PRESSURE REGULATOR/CONTROLLER UNIONS AND PRESSURE GAUGE.
- PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
- SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
- SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MATL. SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMIT.
- SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.V.C. OR POLY AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
- SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.

ELECTRICAL NOTES: General

- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
- INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1997 EDITION, AND ITS AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
- GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-1994.
- INSTALL ONLY COPPER WIRING ON THIS PROJECT. THRU 10 THIN THAN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
- PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
- COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN LINE - ALL OTHER COLORS.
- INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
- INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
- INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
- INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT. SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE HP, RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVER-LOAD RELAYS IN EACH HOT LEG.
- ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS SYSTEMS DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
- FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
- OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
- HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
- COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
- EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 100-12F.
- ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
- IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
- THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
- FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
- ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
- ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDERS SHALL BE ACCEPTABLE.
- ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (CL) RATED 200,000 AIC.
- ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
- CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
- CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
- PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
- WHEN CONDUIT RUNS EXCEED 200 FEET, FULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
- ELECTRICAL EQUIPMENT AIC RATINGS AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX. AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

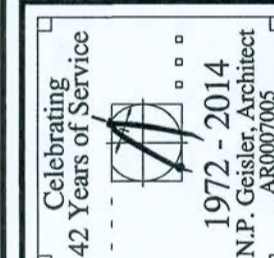
REVISION:

Copyright, 2014  
N.P. Walker, Architect

DRAWN:

198

CUSTOM RESIDENTIAL DESIGN FOR:  
MR & MRS. S. HAIR  
COLUMBIA COUNTY, FLORIDA  
GENERAL INFORMATION & NOTES



NICHOLAS PAUL GESLER  
REGISTERED PROFESSIONAL ARCHITECT  
N.C.A.R.B. Certified  
1758 NW 82nd Rd.  
Largo, FL 33025  
3518-3665-4385

DATE:

27 JULY 2014

COM#:

2K1443

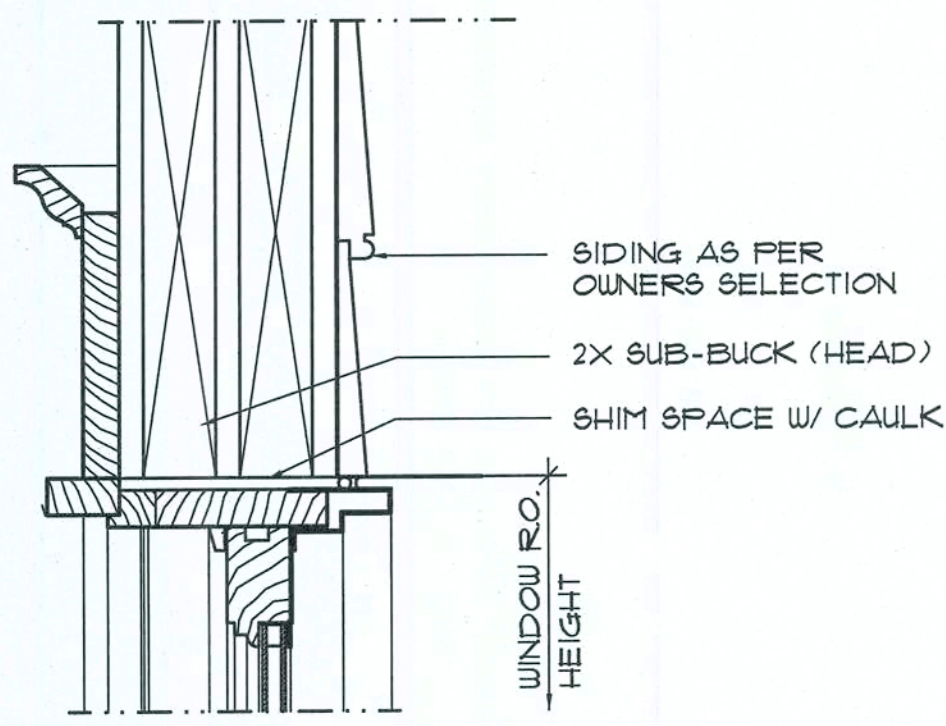
SHEET:

A.1

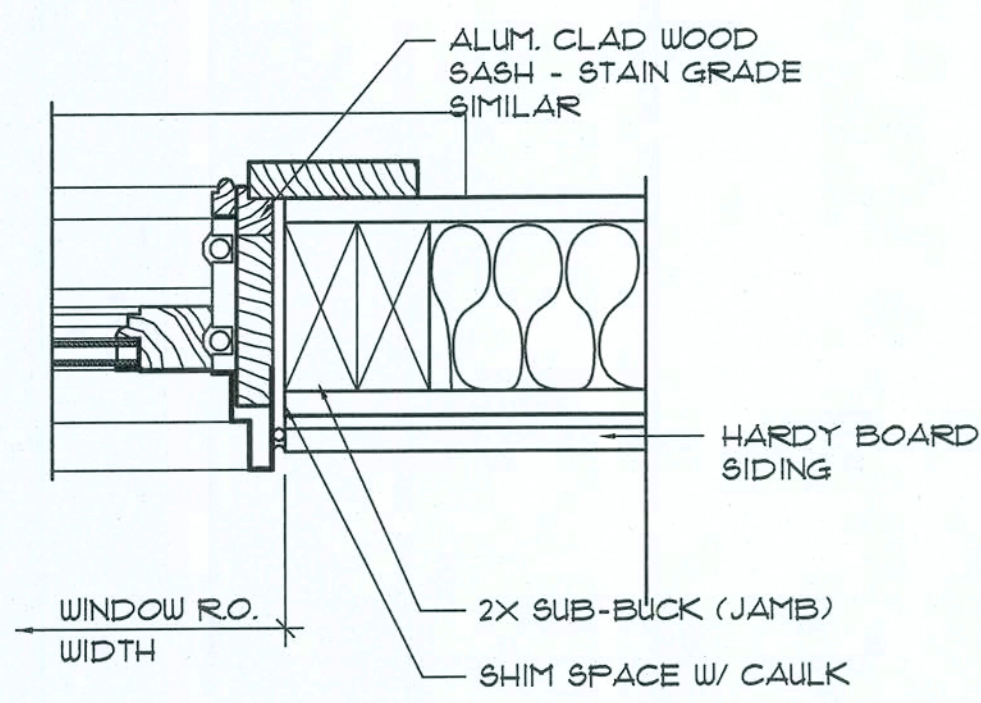
1 OF 11

AR007005

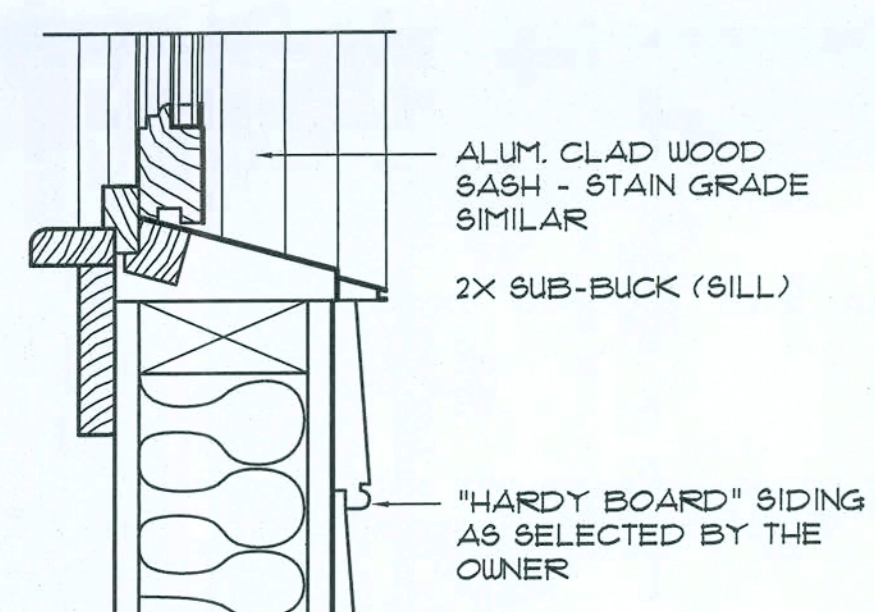
These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use on or incorporated within any other job without specific and individual authorization by the architect.



**HEAD DETAIL WOOD SASH** ①

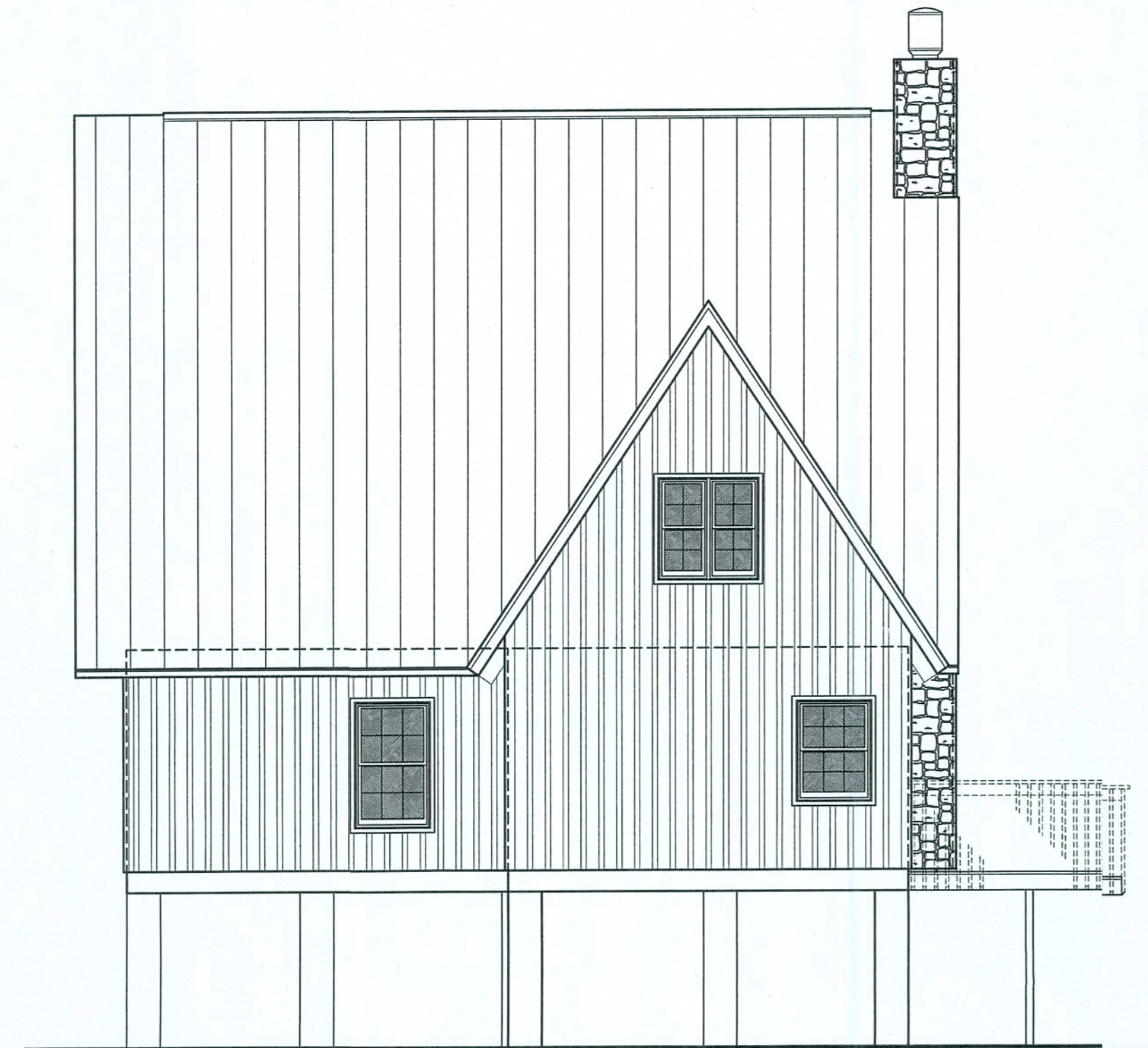


**JAMB DETAIL WOOD SASH** ②

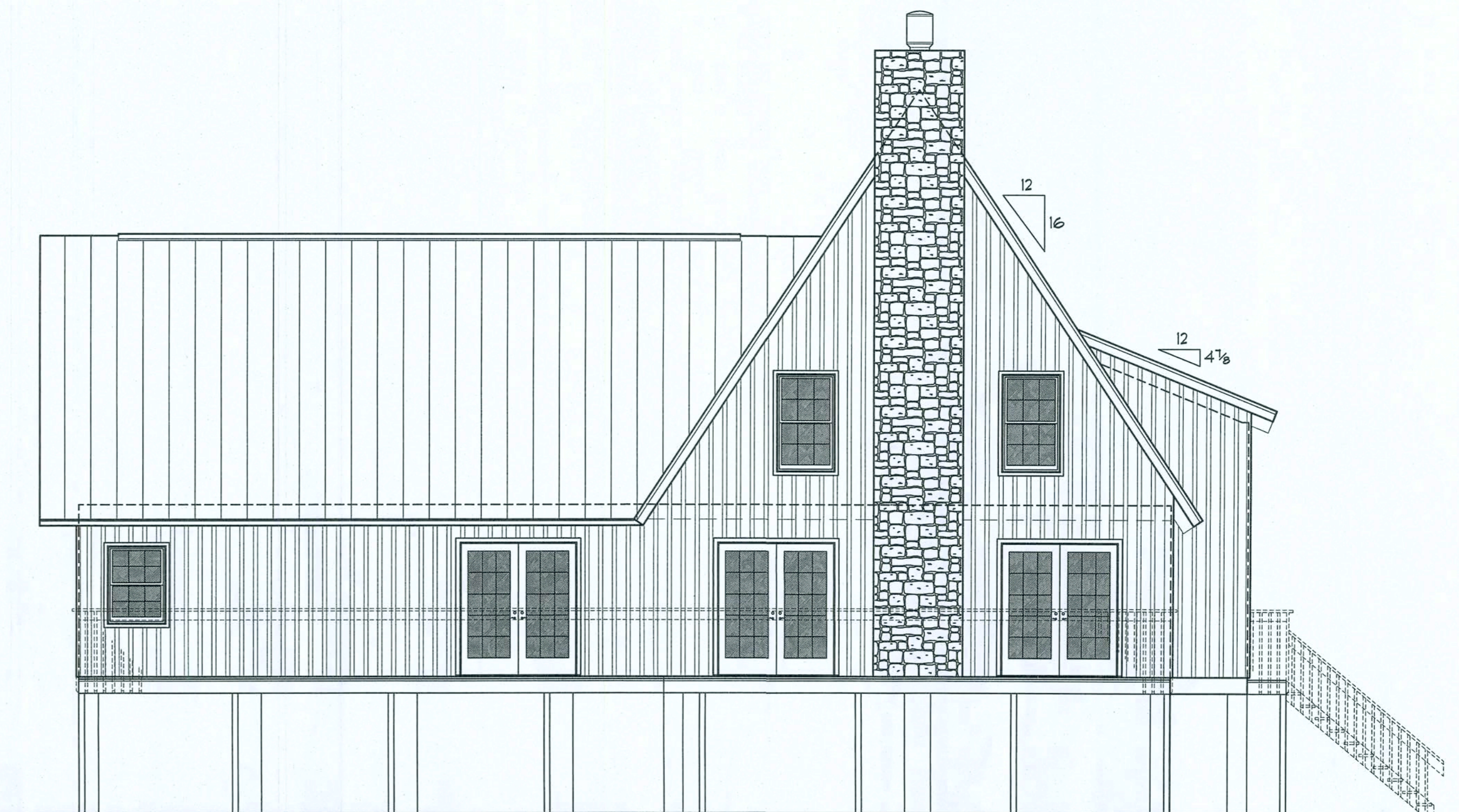


**SILL DETAIL WOOD SASH** ③

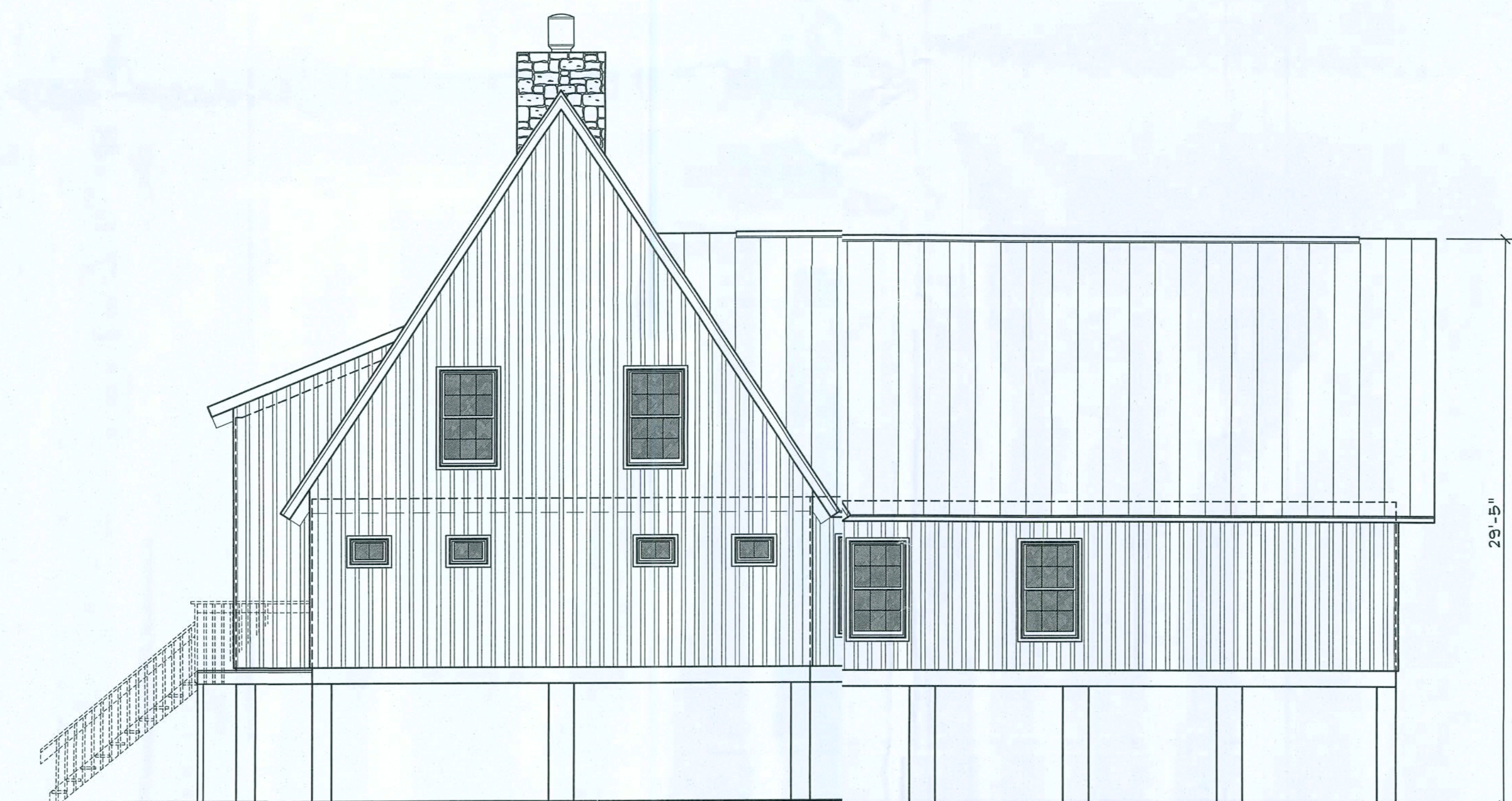
**Typ. Window DET'S** ④  
SCALE: 3" = 1'-0"



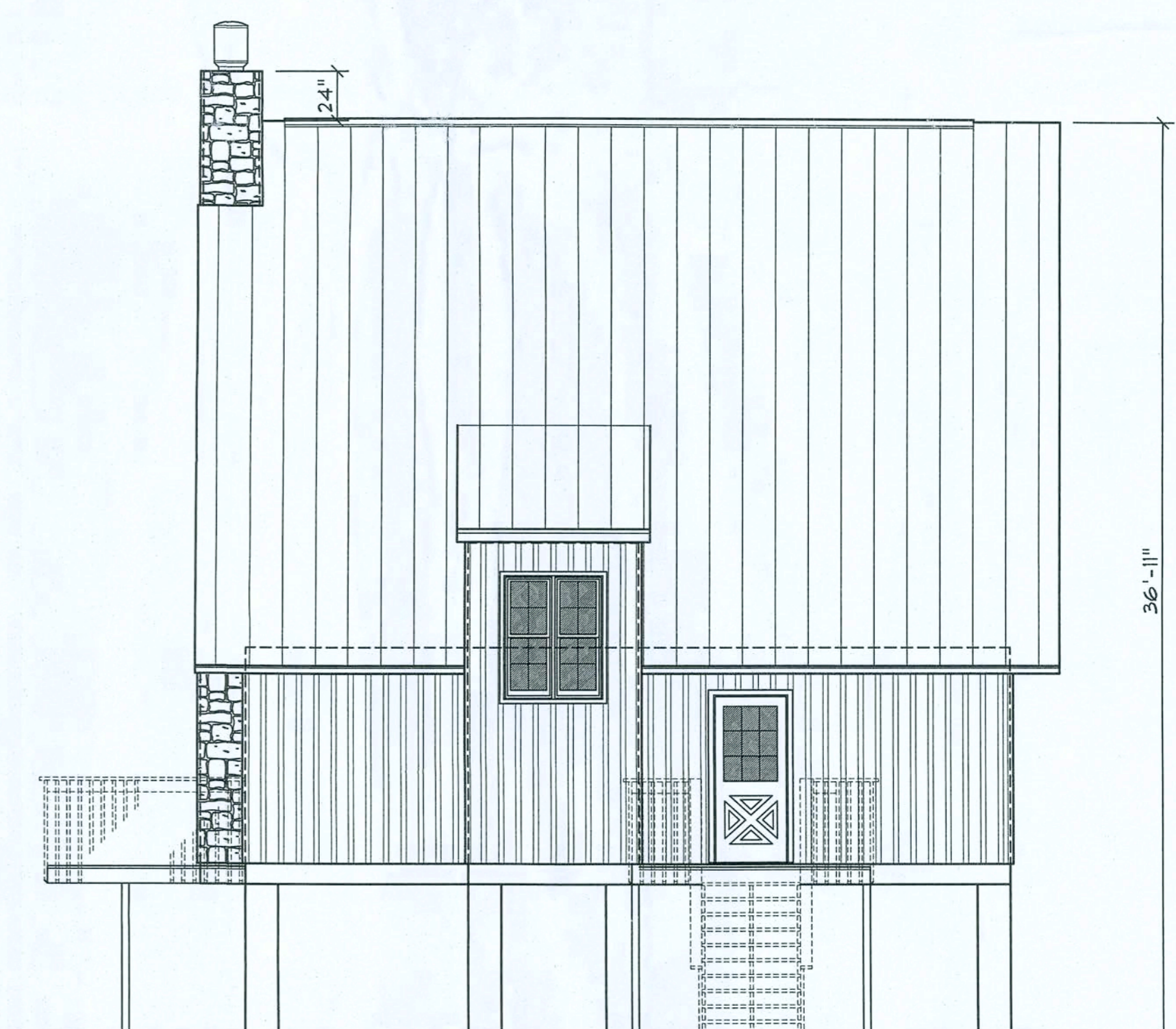
**END ELEVATION**  
SCALE: 3/16" = 1'-0"



**RIVERSIDE ELEVATION**  
SCALE: 3/16" = 1'-0"



**ROADSIDE ELEVATION**  
SCALE: 3/16" = 1'-0"



**END ELEVATION**  
SCALE: 3/16" = 1'-0"

- EXTERIOR FINISH MATERIALS:**
- ① CONT.: RIDGE VENT TO MATCH ROOFING
  - ② METALL. ROOFING AS SELECTED BY OWNER
  - ③ MTL. FLASHING ON 1X8 CYPRESS FASCIA
  - ④ CULTURED STONE VENEER - COLOR AND PATTERN AS SELECTED BY THE OWNER
  - ⑤ 1X8 & 1X3 CYPRESS BOARD & BATTEN SIDING, W/ WOOD PRESERVATIVE/STAIN
  - ⑥ METALL. FIREPLACE & FLUE, FINISHED AS DIRECTED BY THE OWNER - REFER TO MFG'S SPEC'S FOR INSTALLATION
  - ⑦ BALCONY W/ P/T WOOD 2X RAILING, REFER TO FLANS FOR DETAILS - STAINED
  - ⑧ DBL. HUNG WOOD OR METAL WINDOWS W/ DBL. GLAZING, AS SELECTED BY OWNER
  - ⑨ DBL. GLAZED FRENCH DOORS
  - ⑩ DBL. GLAZED CROSSBUCK ENTRY DOORS
  - ⑪ 4X4 P/T WOOD PORCH POSTS
  - ⑫ MASONRY FOUNDATION - REFER TO OWNER AS TO FINISH.
  - ⑬ P.T. WOOD DECK, STAINED

REVISION:  
Copyright 2014  
N.P. Geisler, Architect  
DRAWN:  
178

**CUSTOM RESIDENTIAL DESIGN for:**  
**MR. & MRS. G. HAIR**  
COLUMBIA COUNTY, FLORIDA  
**ELEVATIONS**

Calibrating  
43 Years of Service  
1972 - 2014  
N.P. Geisler, Architect  
AR000005

**NG**  
NICHOLAS  
G. GEISLER  
ARCHITECT  
1758 NW Broward  
Ave., Suite 205  
Fort Lauderdale, FL 33305  
352-435-4355  
N.C.A.R.B. Certified

DATE:  
21 JULY 2014  
CONTRACT:  
2K1443  
SHEET:  
A.2  
2 OF 11

*M. Geisler*  
20 July 2014  
AR000005

**ELECTRICAL COMPUTATIONS**

General Lighting/Receptacles @ 3w/ft  
 2234.7 ft x 3w = 6704.1w  
 Washer Circuit 1500w  
 Dishwasher Circuit 1500w  
 Sm. Appliance Circuits (3 @ 1500w) 4500w

Sub-Total 14204.1w  
 1st 3KW @ 100% 3000w  
 Bal. of KW @ 35% 3921.4 w

Fixed Appliances:  
 Refrigerator 1500w  
 Cig. Fans (5 @ 400w) 2000w  
 Water Well Pump 1200w  
 EUH 4500w  
 Spares (9 @ 400w) 3600w

Sub-Total 12800w  
 Load @ 75% D.F. 9600w

100% Demand Factor Loads:  
 Dryer 5000w  
 Range 8000w  
 HVAC System (4.0T Heat Pump) 4800w  
 HVAC Mini Split (2.15T Heat Pump) 800w

Total Demand Load: 35121.4w

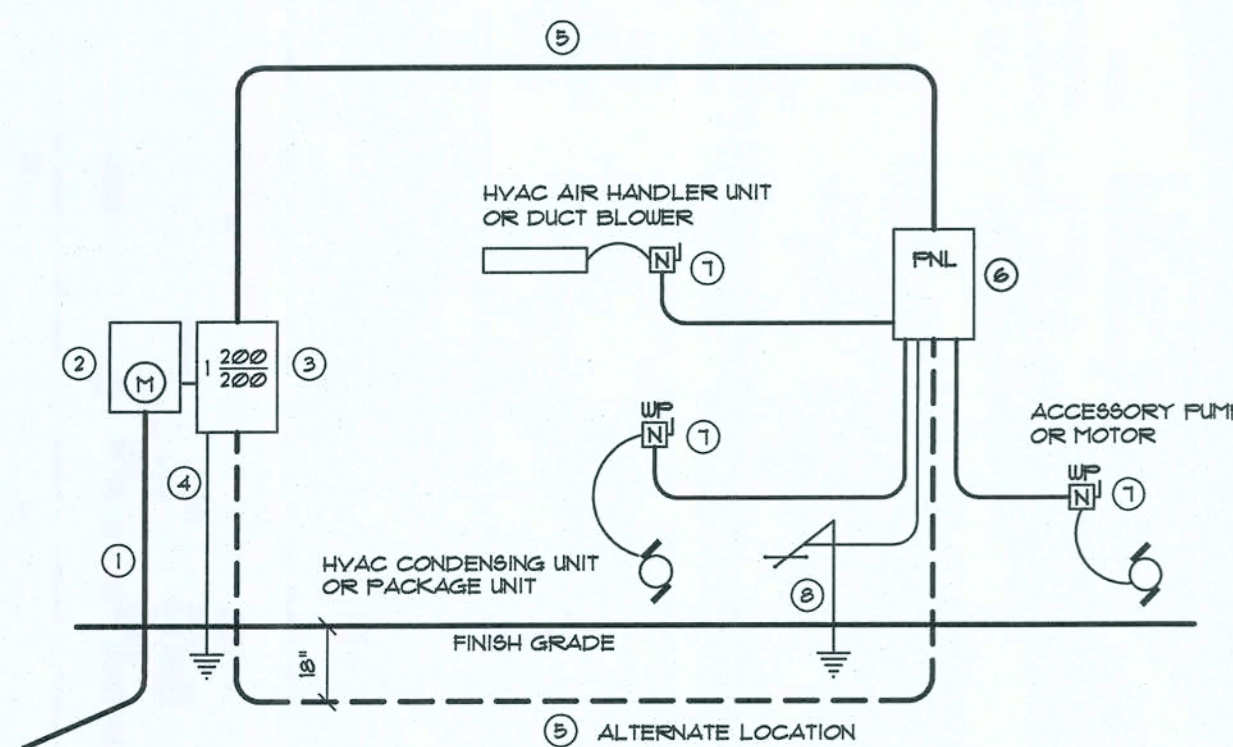
FEEDER SIZE: 35121.4w / 240v = 146.34 amperes  
 USE: 3 #2/0 THW w/ 1" Cu. GND / 2 1/2" C.

**PANEL SCHEDULE**

PANEL "L": 200A - MLO - 120/240V - 1φ - 4 WIRE  
 40 SLOT - FLUSH MOUNT

Cir. Nr.	Location	Trip Poles	Wire Size	Load
1-8	Lighting/Recept.	15A/1P	14NM	6704W
9	Dishwasher	"	"	1500W
10-12	Sm. Klt. Appliances	20A/1P	12NM	4500W
13-14	Ceiling Fans	15A/1P	14NM	2000W
15	Refrigerator	15A/1P	14NM	1500W
16	Spares	-	-	400W
17,19	EUH	30A/2P	10NM	4500W
18,20	Range	50A/2P	6NM	8000W
21,23	Water Well	50A/2P	12NM	1200W
22,24	Dryer	30A/2P	10NM	5000W
25,27	HVAC CU	50A/2P	6NM	4000W
26,28	HVAC AHU	20A/2P	12NM	800W
29	HVAC Mini Split	50A/2P	6NM	4000W
31	HVAC M/S AHU	20A/2P	12NM	800W
30	Spares	-	-	400W
32-40	Spares	-	-	2800W

TOTAL CONNECTED LOAD: 48104W



- 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 bonded connections at the Meter, Disconnecting Devices and Panel shall be allowed.
- Meter Enclosure, weatherproof, UL Listed.
- Main Disconnect Switch fused or Main BRKR, weatherproof, UL Listed.
- Service entrance Ground: 3/4" 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 9, below.
- 200 AMPERE SERVICE: 3-1/2" USE-Cu, 1-1/4" Cu-GND, 2" Conduit.
- House Panel (FNL), UL Listed, sized per schedule.
- Equipment Disconnect Switch non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- Provide Ground Bond wire to metal piping, size in accordance with the Service Ground Conductor.

NOTE!  
 THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

**ELECTRICAL RISER DIAGRAM: 200A**  
 SCALE: NONE

**Electrical SYMBOLS**

**POWER**

- ⊕ DUPLEX WALL RECEPTACLE
- ⊕ DUPLEX WALL RECEPT., BELOW COUNTER
- ⊕ 240V OUTLET
- ⊕ GND FAULT INTERRUPTER DUPLEX RECEPT.
- ⊕ WEATHER PROOF GFI DUPLEX RECEPT.
- ⊕ MOTOR (3P - SUBMERSIBLE PUMP)
- ⊕ ELECTRICAL PANEL
- ⊕ ELECTRICAL PANEL
- ⊕ EXHAUST FAN
- ⊕ SMOKE DETECTOR, 120V
- ⊕ NON-FUSED DISC. SWITCH
- ⊕ CHIME
- ⊕ MOMENTARY PUSHBUTTON SWITCH, LIGHTED
- ⊕ HVAC THERMOSTAT, @ 60" AFF
- ⊕ TELEVISION OUTLET

**LIGHTING**

- ⊕ 8PST WALL SWITCH
- ⊕ DPDT WALL SWITCH (3-WAY)
- ⊕ CEILING FAN, W/ INC. LIGHT FIXTURE
- ⊕ 2 LAMP FLU. PRISMATIC WRAP SURFACE FIXTURE
- ⊕ INC. LIGHT FIXTURE
- ⊕ VAPOR PROOF INC. LIGHT FIXTURE
- ⊕ DBL. LAMP INC. FLOOD LIGHT
- ⊕ SWITCH/FIXTURE WIRING
- ⊕ CONTROL WIRE / LOW VOLTAGE

**ELECTRICAL PLAN NOTES**

INSTALLATION SHALL BE PER 2008 NAT'L. ELECTRIC CODE.  
 WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

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

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

PROVIDE 4 INSTALL CARBON MONOXIDE DETECTORS IN ALL BEDROOMS, @ 12" ABV. FIN. FL., INTERLOCKED TOGETHER.

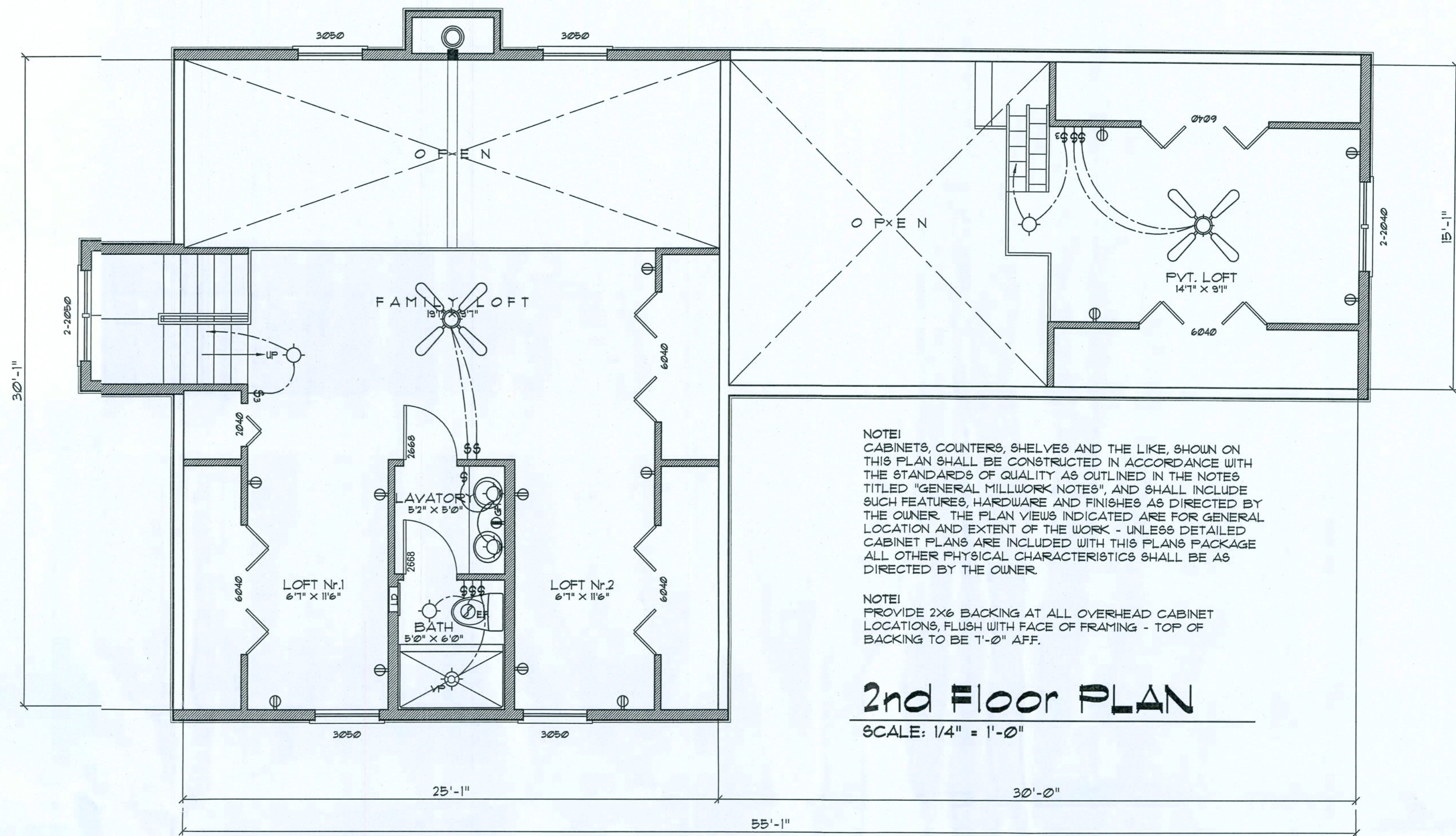
TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ALL RECEPTALS, NOT OTHERWISE DESIGNATED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS.

ALL RECEPTALS IN KITCHEN AND BATHS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI).

ALL EXTERIOR RECEPTALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WPGFI).

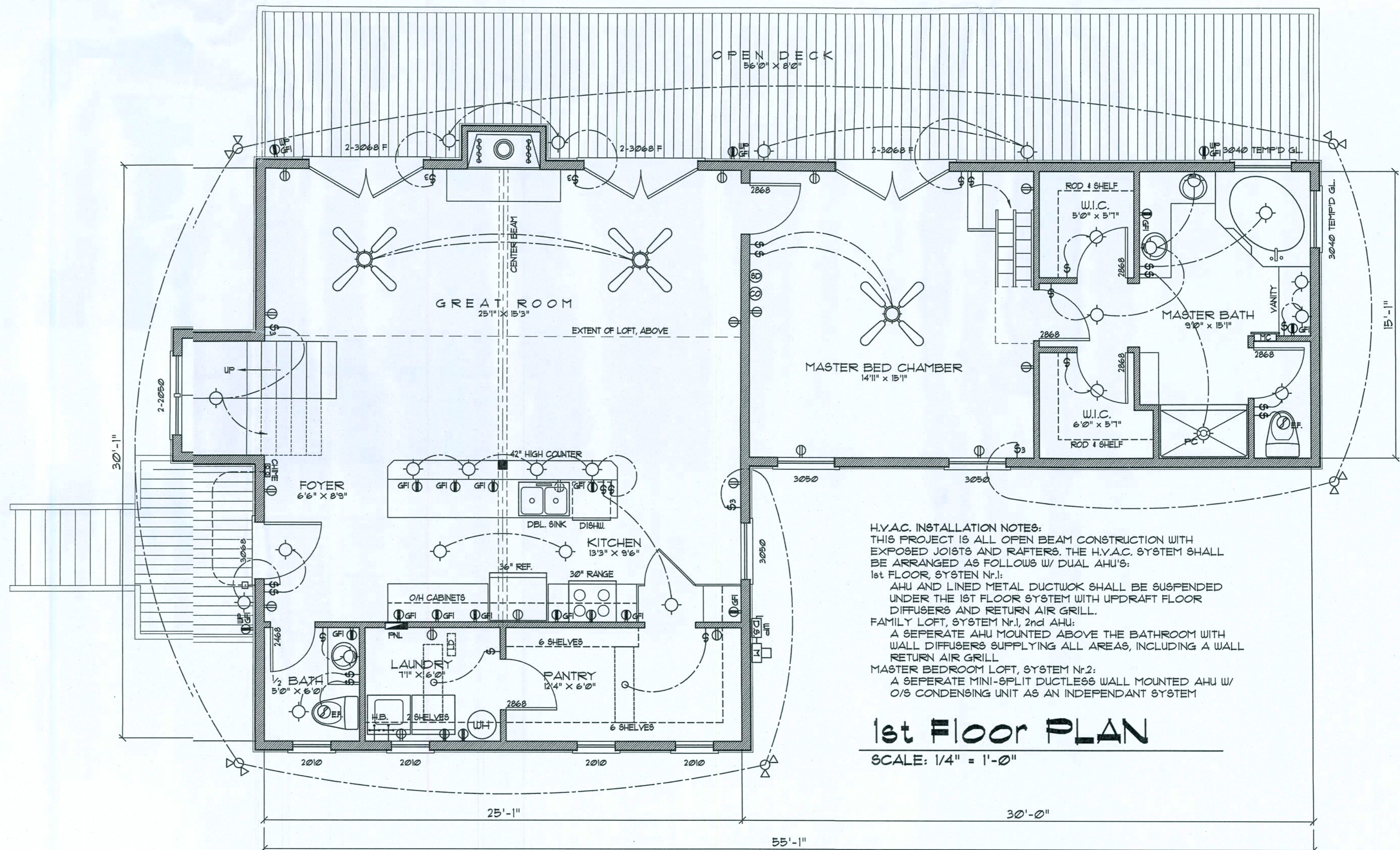
ELECTRICAL CONTR' SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT NR., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



NOTE!  
 CABINETS, COUNTERS, SHELVES AND THE LIKE, SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES", AND SHALL INCLUDE SUCH FEATURES, HARDWARE AND FINISHES AS DIRECTED BY THE OWNER. THE PLAN VIEWS INDICATED ARE FOR GENERAL LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLAN'S PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

NOTE!  
 PROVIDE 2x6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 1'-0" AFF.

**2nd Floor PLAN**  
 SCALE: 1/4" = 1'-0"



HVAC INSTALLATION NOTES:  
 THIS PROJECT IS ALL OPEN BEAM CONSTRUCTION WITH EXPOSED JOISTS AND RAFTERS. THE HVAC SYSTEM SHALL BE ARRANGED AS FOLLOWS W/ DUAL AHU'S:  
 1st FLOOR SYSTEM N-1:  
 AHU AND LINED METAL DUCTWORK SHALL BE SUSPENDED UNDER THE 1ST FLOOR SYSTEM WITH UPDRAFT FLOOR DIFFUSERS AND RETURN AIR GRILL.  
 FAMILY LOFT, SYSTEM N-1, 2nd AHU:  
 A SEPARATE AHU MOUNTED ABOVE THE BATHROOM WITH WALL DIFFUSERS SUPPLYING ALL AREAS, INCLUDING A WALL RETURN AIR GRILL.  
 MASTER BEDROOM LOFT, SYSTEM N-2:  
 A SEPARATE MINI-SPLIT DUCTLESS WALL MOUNTED AHU W/ O/S CONDENSING UNIT AS AN INDEPENDENT SYSTEM

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

REVISION

Copyright 2014  
 N.J. Gessler, Architect

DRAWN

mpg

CUSTOM RESIDENTIAL DESIGN FOR:  
**MR & MRS. S. HAIR**  
 COLUMBIA COUNTY, FLORIDA  
**FLOOR PLANS**

Calculating  
 42 Years of Service  
 1972-2014  
 N.J. Gessler, Architect  
 AR007000

**NG**  
 NICHOLAS  
 GESSLER  
 ARCHITECT  
 N.C.A.A. CERTIFIED  
 1728 NW Brown Rd.  
 N.J. 07035  
 908-432-4325

DATE

27 JULY 2014

COMM

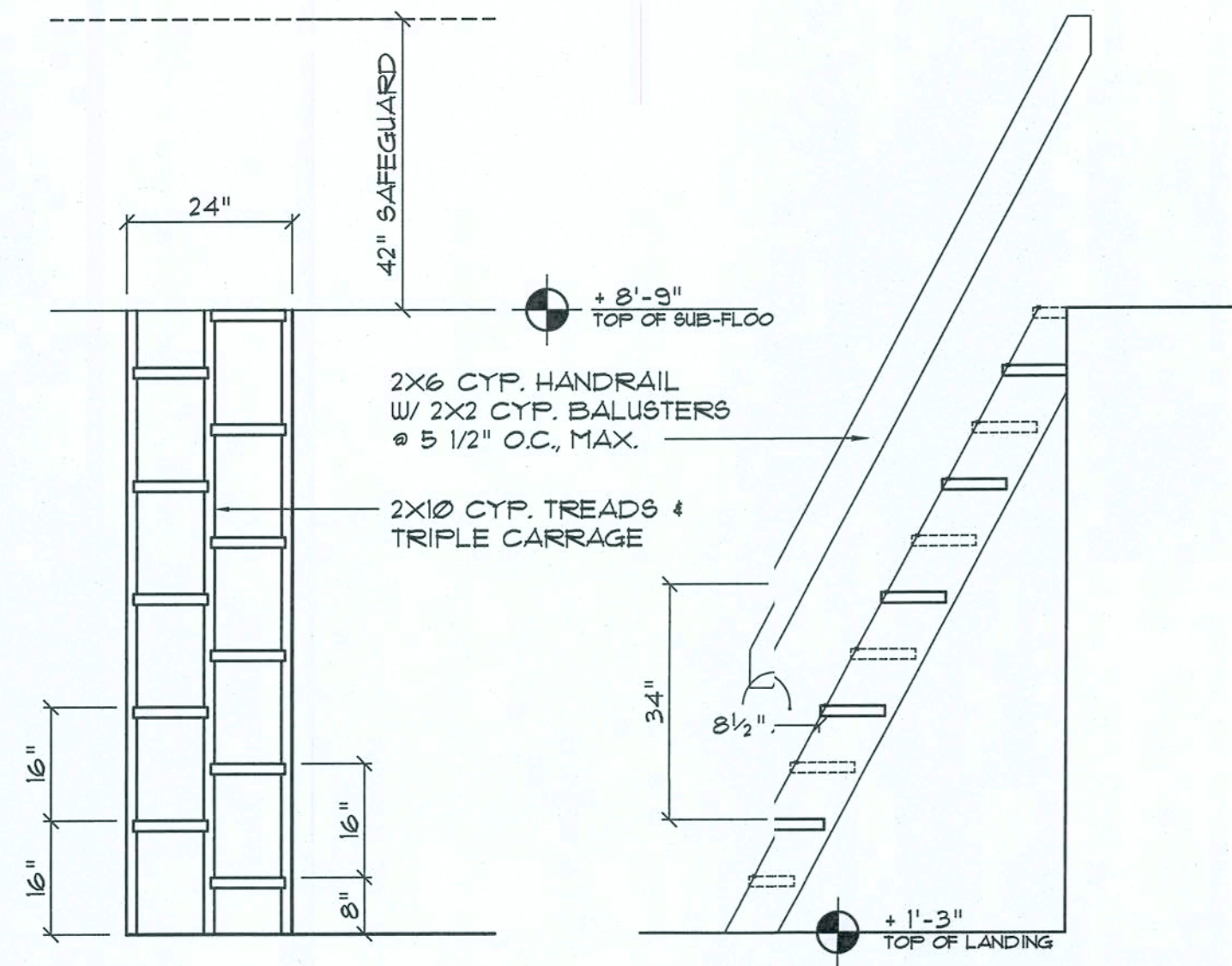
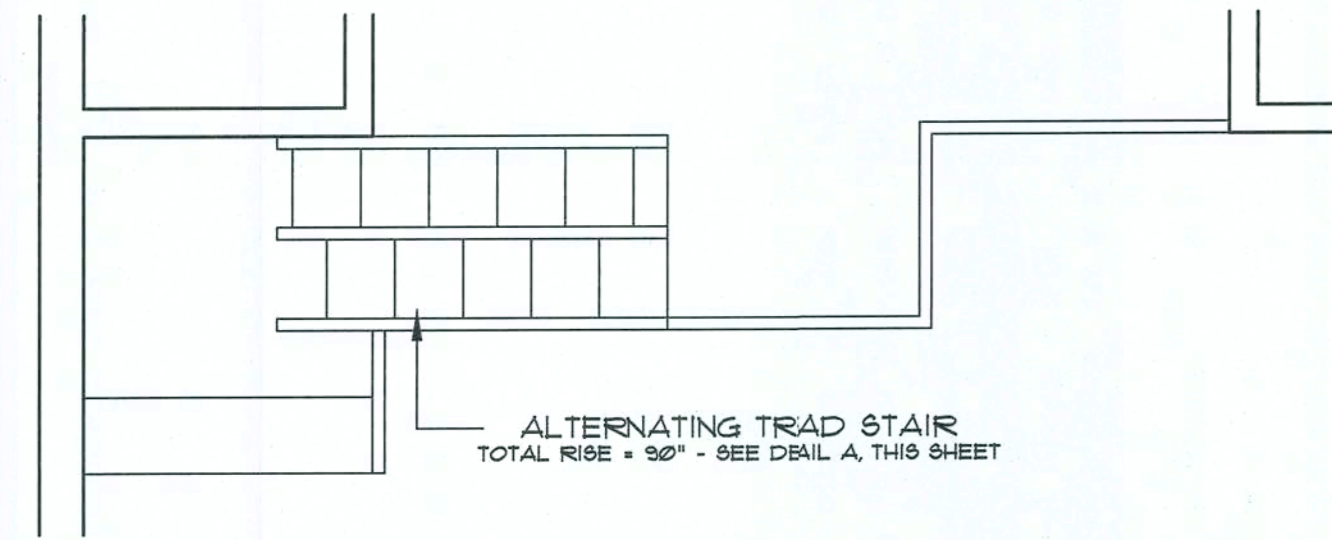
?K1443

SHEET

A.3

3 OF 11

*mpg*  
 27 July 2014  
 AR007005



### Alternating Tread Stair DETAIL

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



NOTE:  
CONSTRUCT FROM SELECT CYPRESS 2X10 LUMBER W/ RABBITED CARRIAGE & CONCEALD FASTENERS - VARNISHED 2 COATS

#### TEMPERED GLASS NOTES:

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS SITUATIONS FOR THE PURPOSES OF GLAZING:

- GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANE OF SLIDING (PATIO) DOOR ASSEMBLIES.
- GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHUBS, SHOWERS AND OTHER SPA FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKING SURFACES.
- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DUELING UNITS IN GROUP R2 SHALL BE SUBJECT TO 2004 IBC 2405.2.1.4.1.

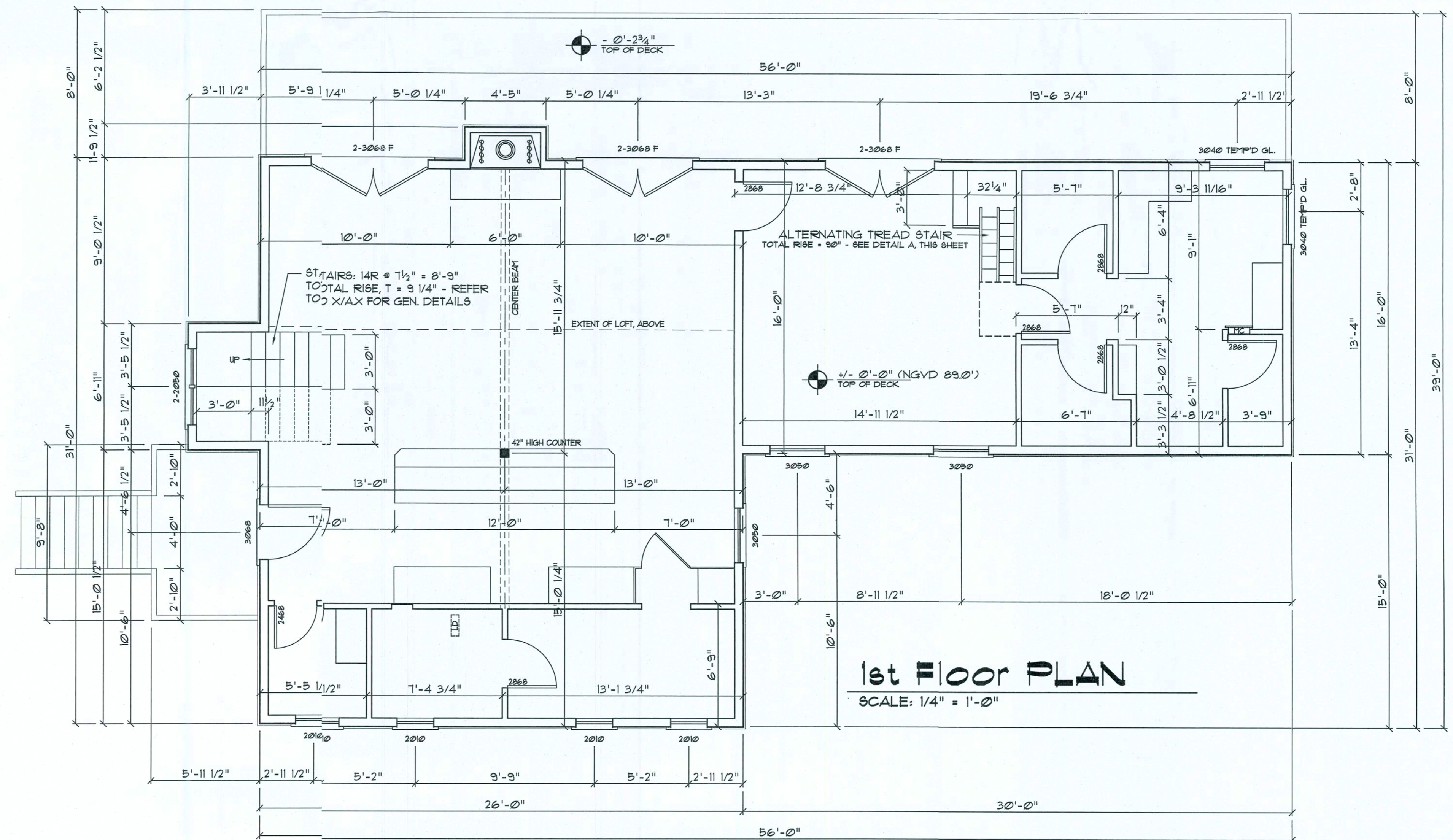
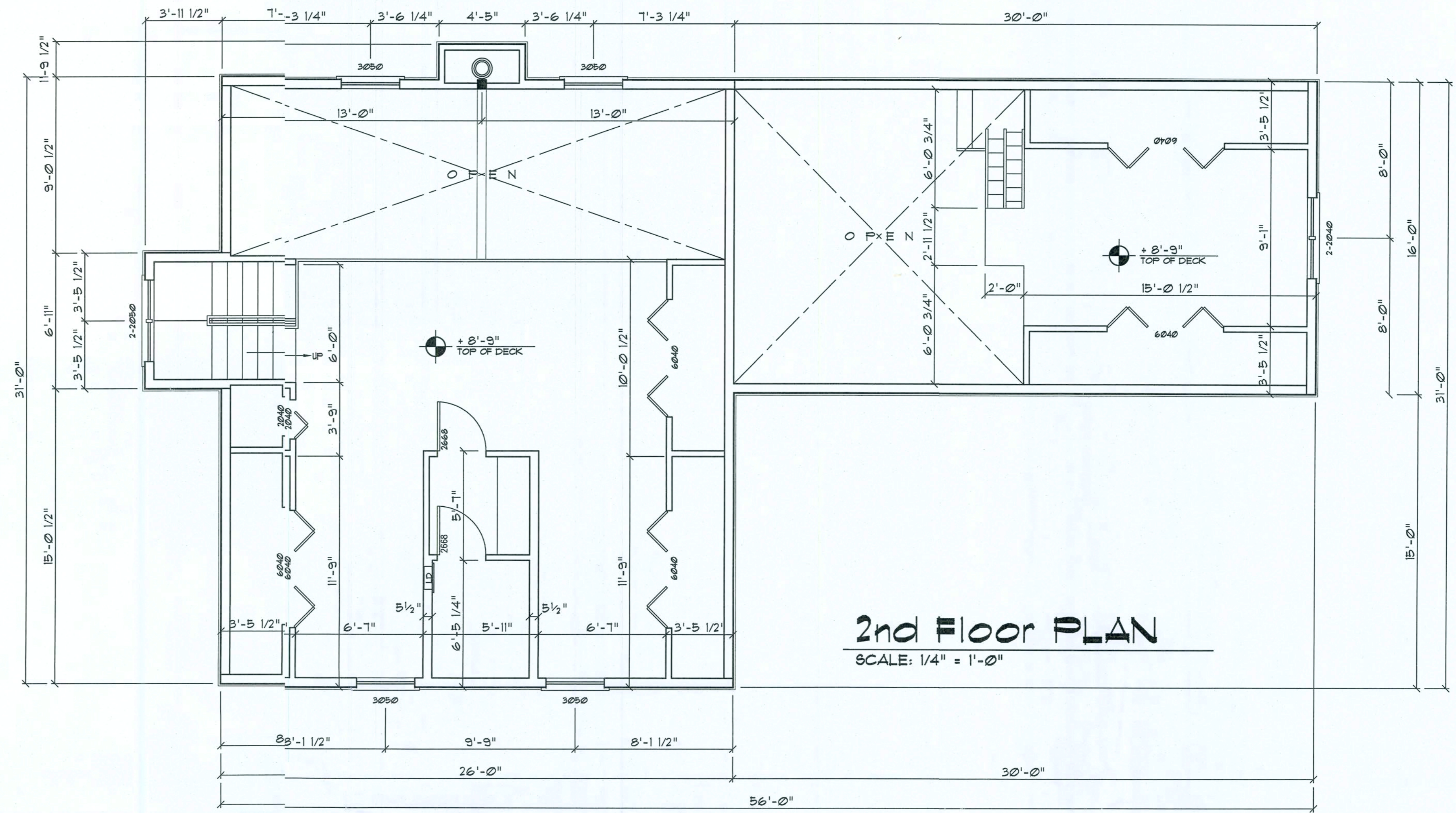
- GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:

- EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (824 M<sup>2</sup>).
- BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
- TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
- ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

GLAZING IN ALL SUCH LOCATIONS WHETHER INDICATED IN THE PINS OR NOT, SHALL BE TEMPERED GLASS OR "SCRATCH-GARD" POLYCARBONATE PLASTIC.

#### AREA CALCULATION

GROSS 1st FLOOR AREA:	1321.3 SF
GROSS 2nd FLOOR AREA:	913.4 SF
OPEN DECK AREA:	440.0 SF
<b>TOTAL AREA:</b>	<b>2674.7 SF</b>



These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use on or incorporated within any other job without specific and individual authorization by the architect.

REVHON:

Copyright 2014  
N.F. Gesler, Architect

DRAWN:

188

CUSTOM RESIDENTIAL DESIGN for:  
**MR & MRS S. HAIR**  
COLUMBIA COUNTY, FLORIDA  
DIMENSION PLANS

Celebrating  
42 Years of Service  
1972-2014  
N.F. Gesler, Architect  
AR000005

**NF**  
NICHOLAS  
FOLAS  
GESLER  
ARCHITECT  
N.C.A.R.B. Certified

DATE:

27 JULY 2014

COMB:

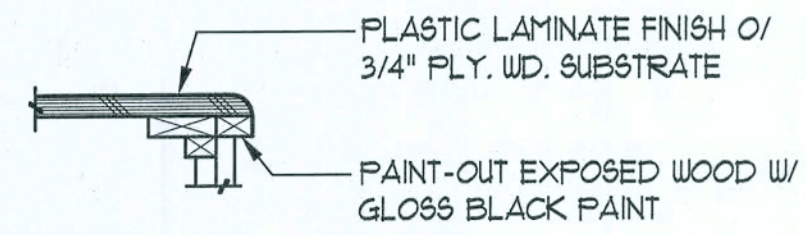
K1443

SHEET:

A.4

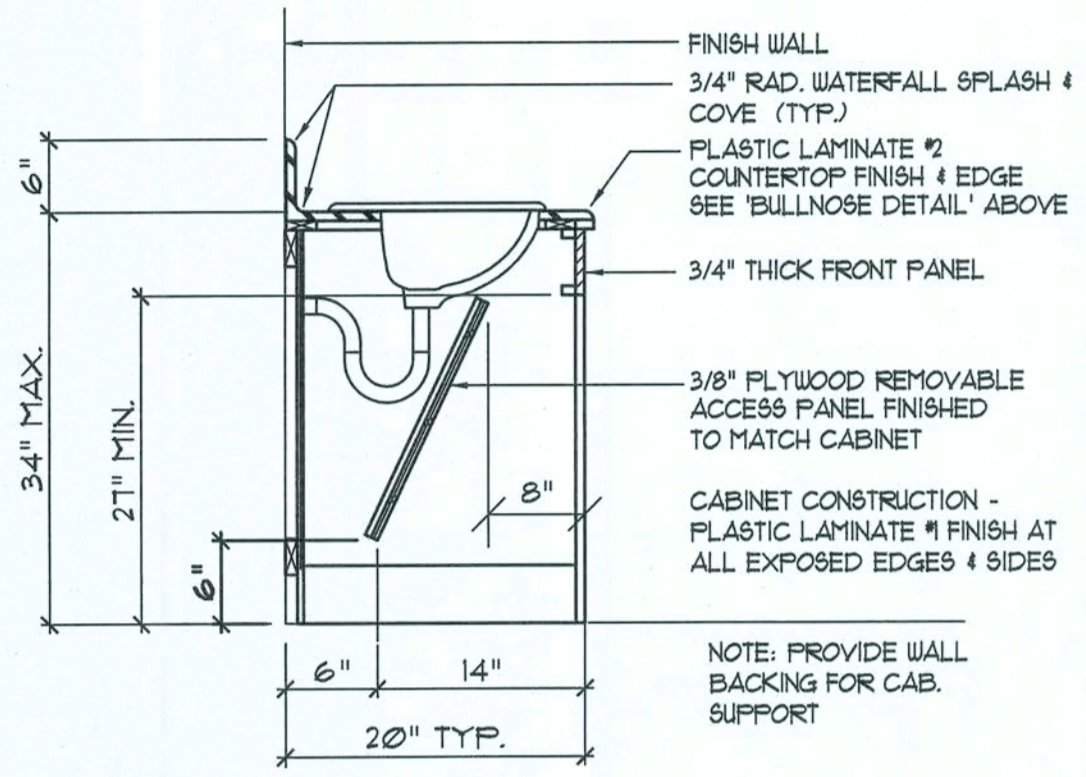
4 OF 11

*NF*  
28 July 2014  
AR0107005



**BULLNOSE DETAIL**

**NOTE!**  
CABINETS, COUNTERS, SHELVES AND THE LIKE, SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES", AND SHALL INCLUDE SUCH FEATURES, HARDWARE AND FINISHES AS DIRECTED BY THE OWNER. THE PLAN VIEWS INDICATED ARE FOR GENERAL LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLANS PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

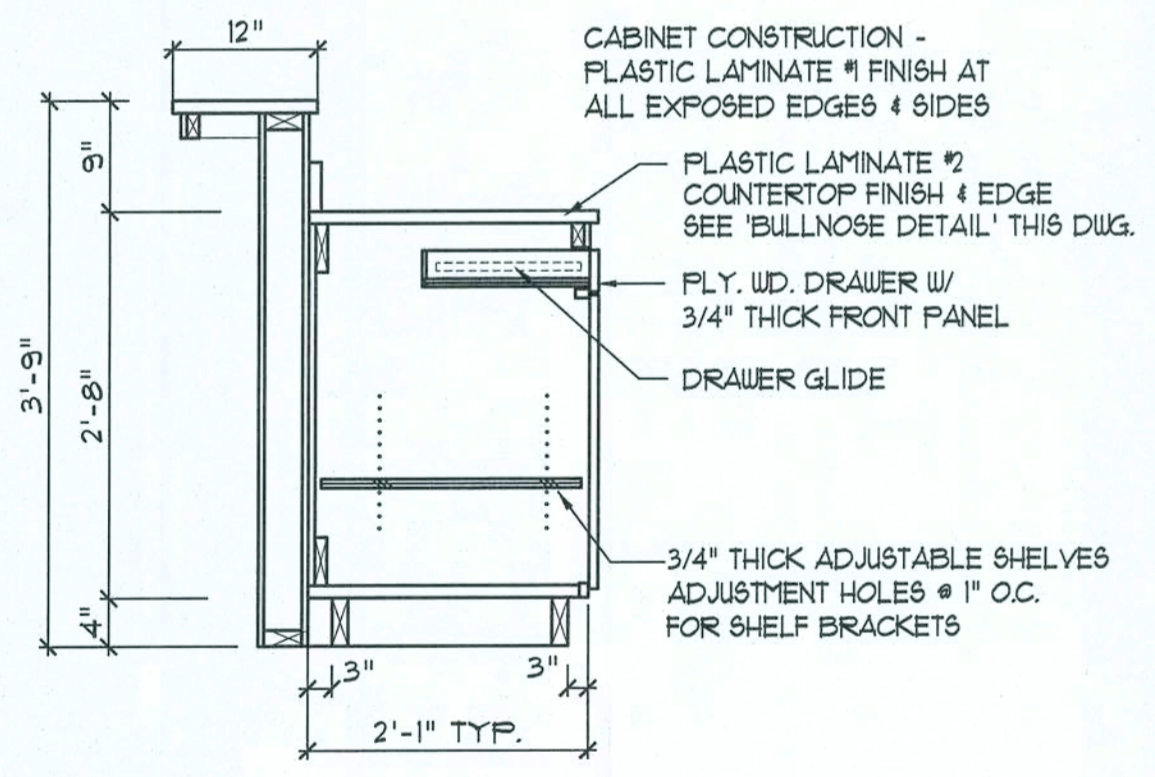


**Bath Vanity Cab.**

SCALE: 3/4" = 1'-0"

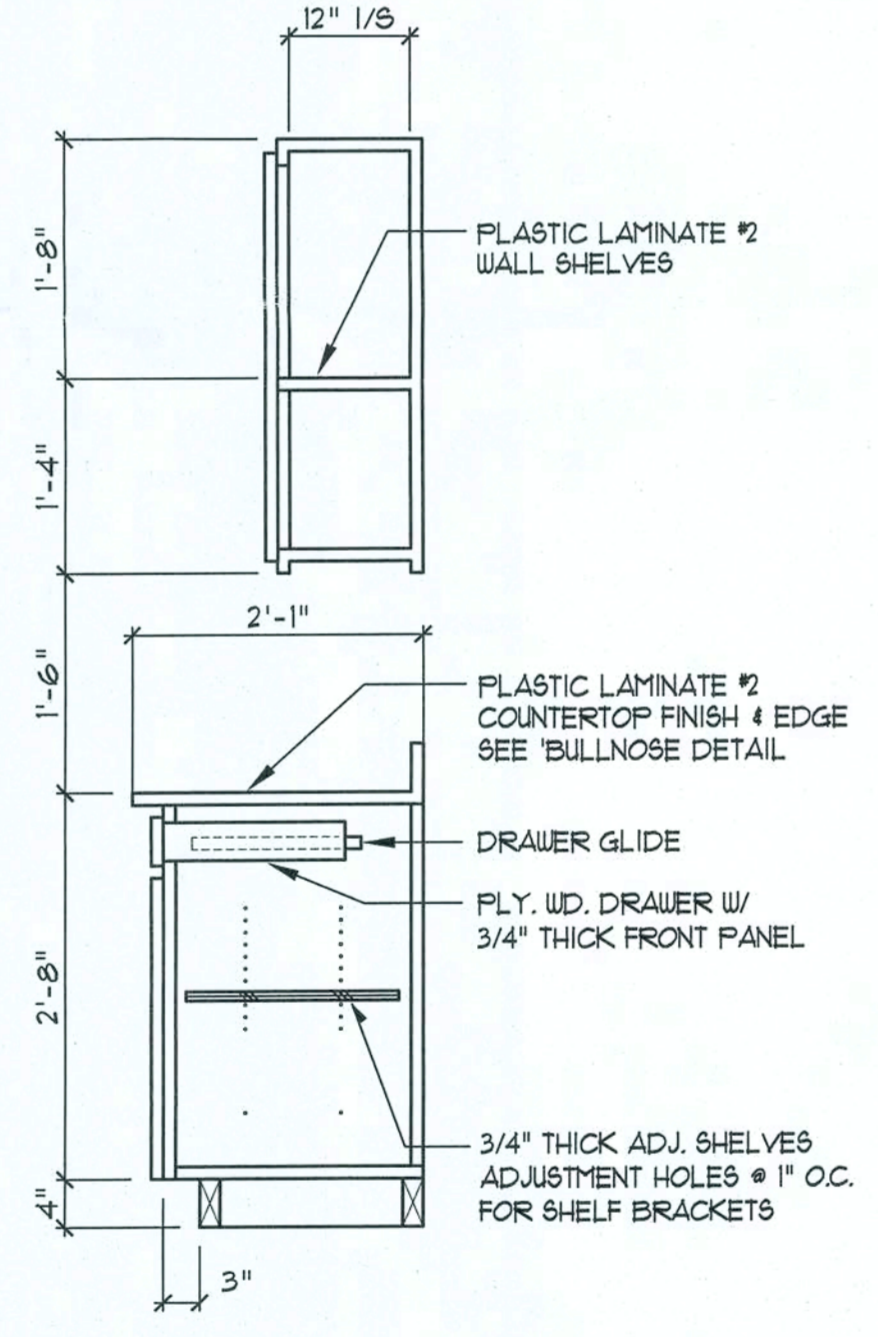
**NOTE!**  
PROVIDE 2X6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 1'-0" AFF.

**NOTE!**  
THESE COUNTER DETAILS ARE GENERAL IN NATURE AND PROVIDE A BASIS FOR ACTUAL CABINET CONSTRUCTION.



**Base w/ Walk-up Counter**

SCALE: 3/4" = 1'-0"



**Base & O/H Cab.**

SCALE: 3/4" = 1'-0"

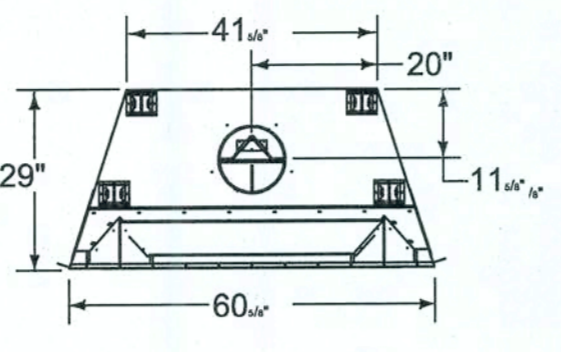
**Typical Cabinet DETAILS**

SCALE: 3/4" = 1'-0"

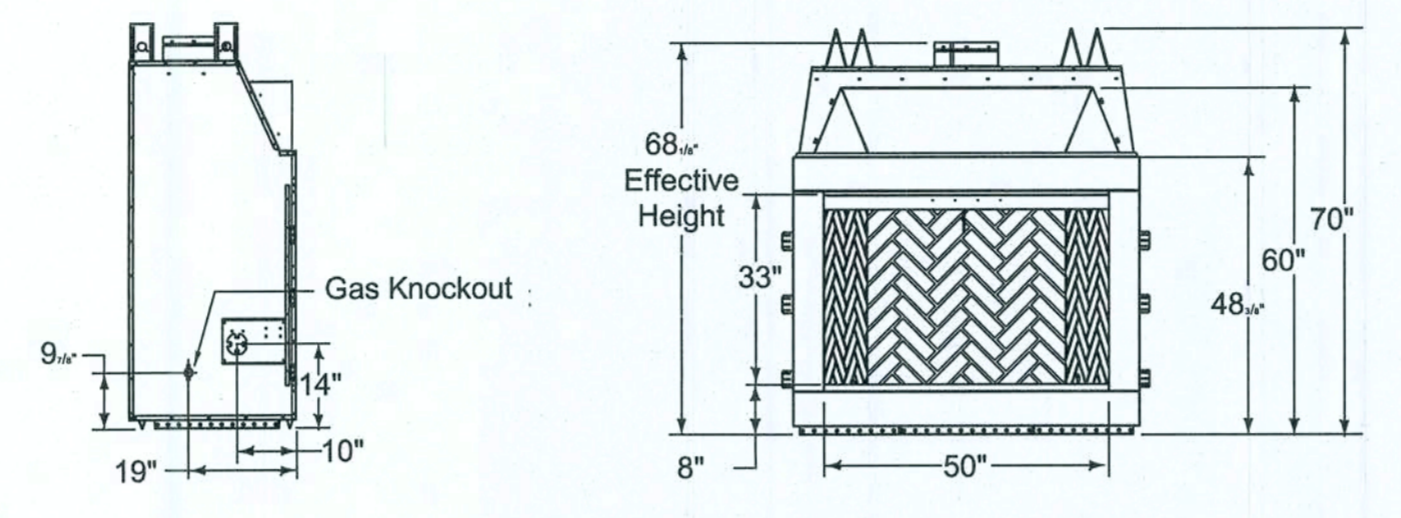


SPECIFICATIONS									
Model EXCLAIM-50	Height		Front Width		Back Width		Depth		Firebox Opening Size
	Actual	Framing	Actual	Framing	Actual	Framing	Actual	Framing	
Inches	60 1/4	61	60 5/8	61 1/8	41 5/8	61 5/8	29 1/2	30 3/8	50 x 33

Reference dimensions only. We recommend measuring individual units at installation.

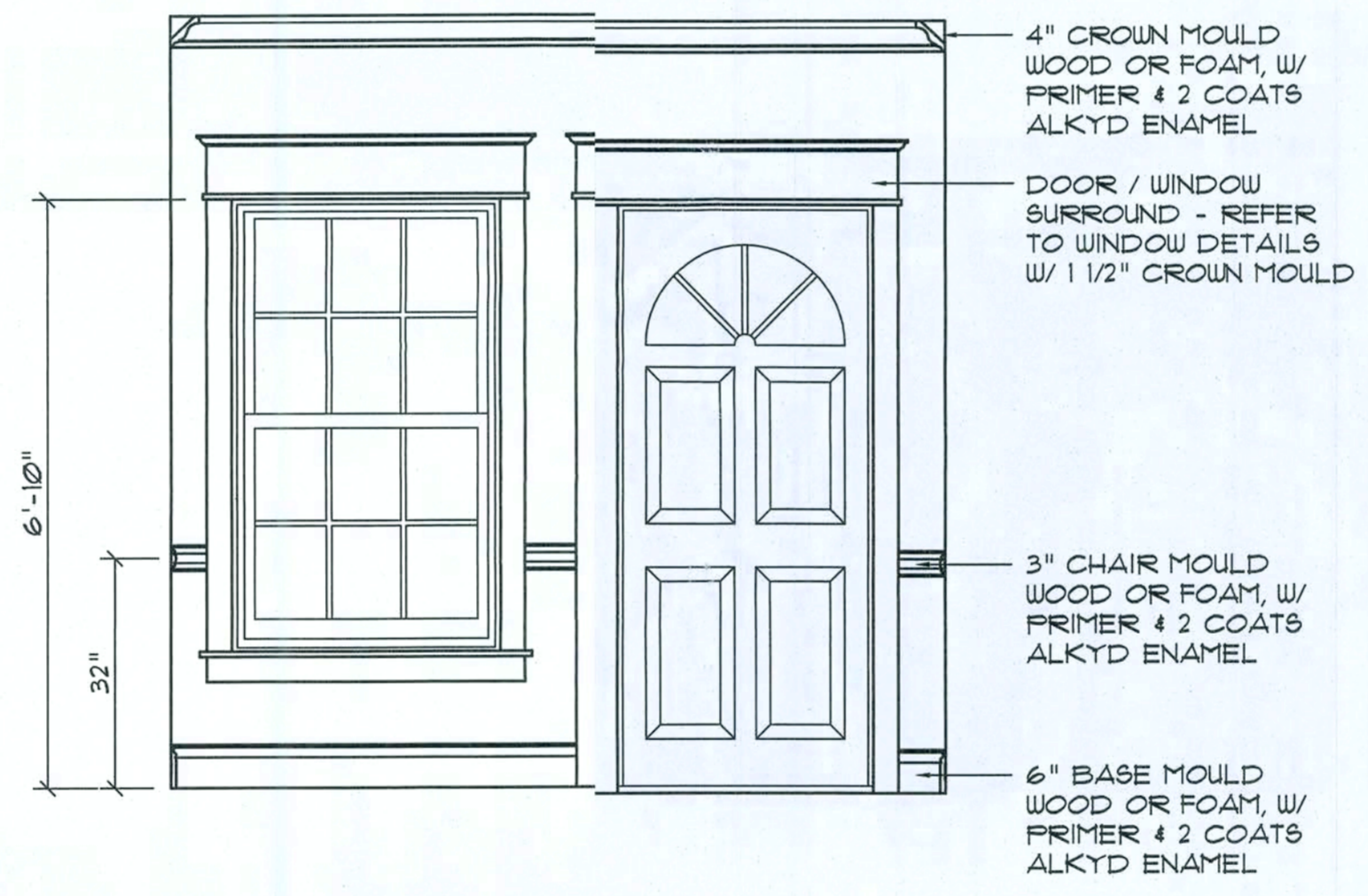


**NOTE!**  
THESE FIREPLACE DETAILS ARE GENERAL IN NATURE AND PROVIDE A BASIS FOR ACTUAL FIREPLACE CONSTRUCTION. FINAL FIREPLACE DESIGN IS DEPENDENT UPON OWNER DIRECTIVES AS TO FINISH AND GENERAL APPEARANCE. THE MANUFACTURER'S INSTALLATION GUIDE SHALL GOVERN ALL INSTALLATION DETAILS PERTAINING TO THE ASSEMBLY OF THE FIREPLACE COMPONENTS. ALL LOCAL FIRECODES SHALL BE OBSERVED, AS WELL AS STRUCTURAL CODES FOR APPLIED HORIZONTAL AND VERTICAL LOADS.



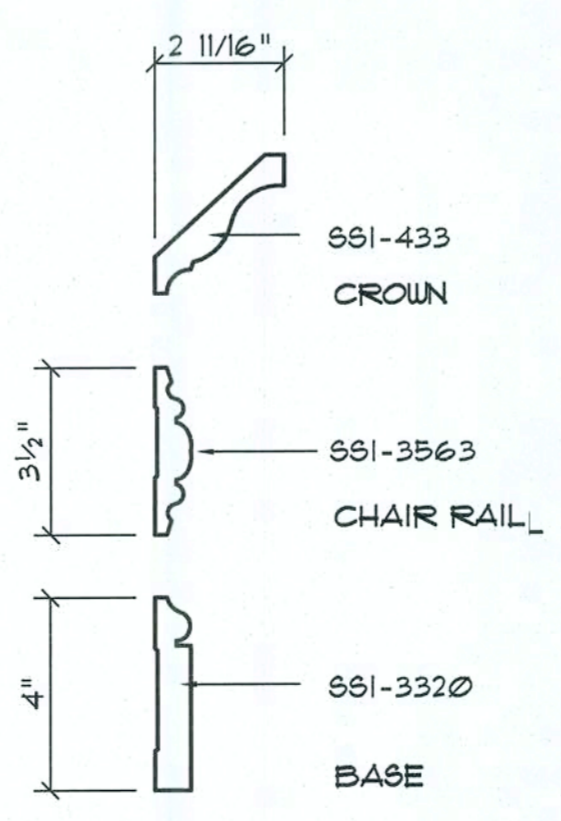
**"Heat 'n' Glo"  
"EXCLAIM 50" DETAIL**

SCALE: 3/8" = 1'-0"



**Int. Wall Trim DETAIL**

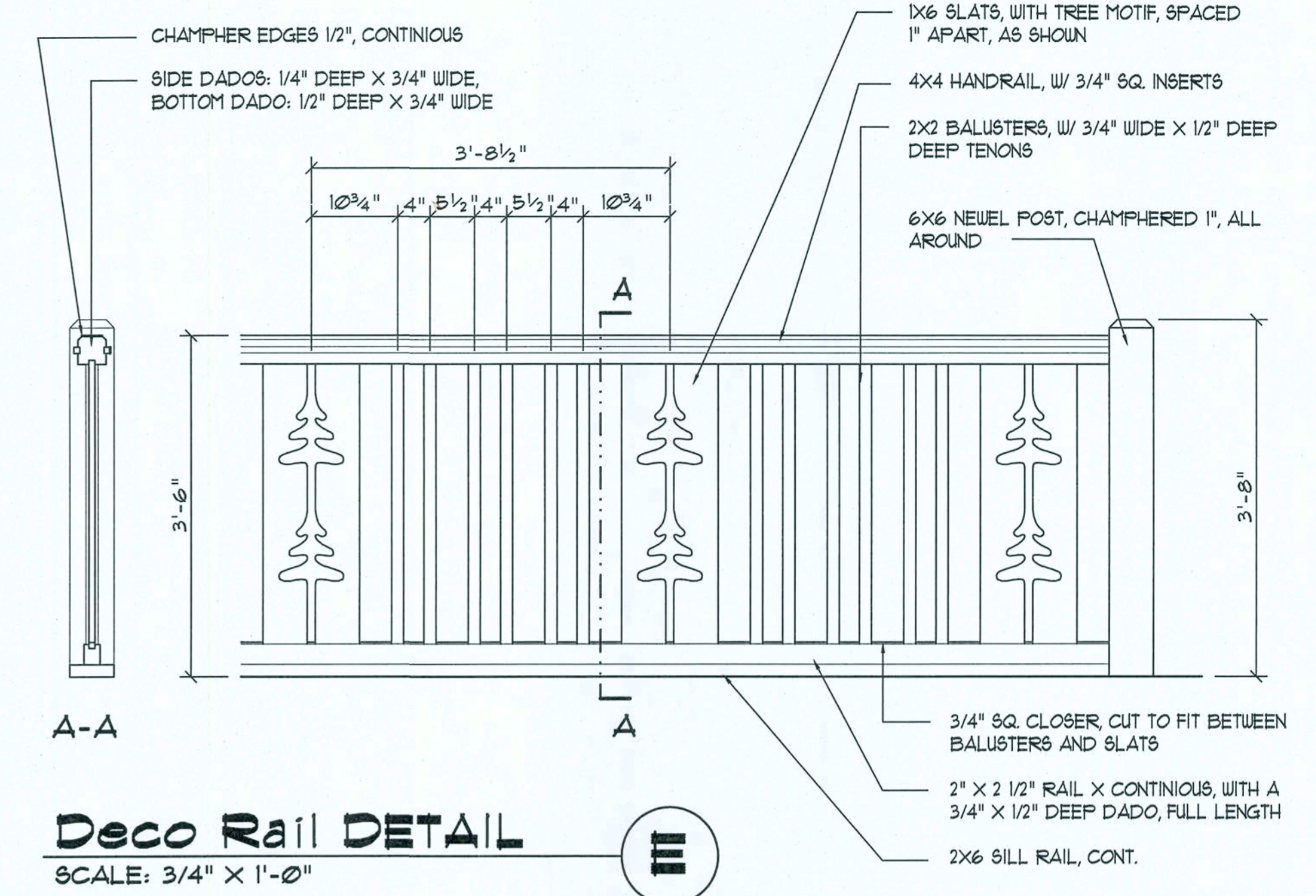
SCALE: 1/2" = 1'-0"



**NOTE!!!**  
ALL PROFILES AS PER 645 CRAFTSMAN, INC. TAMPA FLORIDA. PAINTED TRIM WOOD SPECIES SHALL BE "POPLAR". STAINED TRIM WOOD SPECIES SHALL BE "POPLAR".

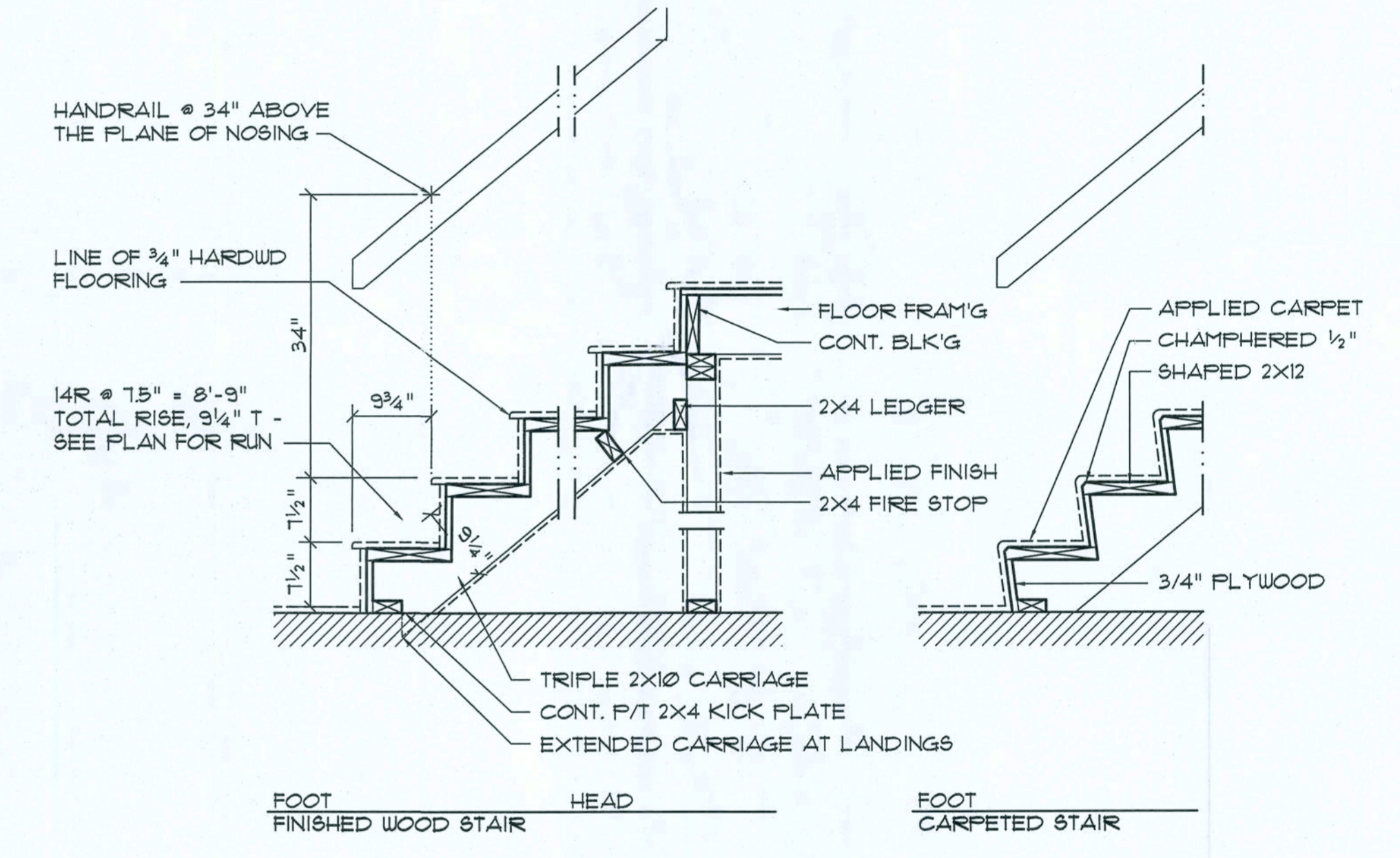
**Wall/Ceiling Trim PROFILES**

SCALE: 3" = 1'-0"



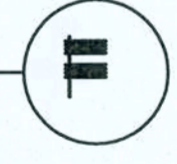
**Deco Rail DETAIL**

SCALE: 3/4" X 1'-0"



**Typical Stair DETAIL**

SCALE: 3/4" = 1'-0"



**GENERAL INTERIOR FINISH SCHEDULE:**

FLOOR AREA:	CARPET AND PAD, PATTERN & COLOR AS PER THE OWNER OR LAMINATE STRIP WOOD - SEE OWNER FOR CHANGES
BATHKITCHEN AREA:	THINSET CERAMIC TILE OR NATURAL STONE, PAT. & COLOR AS SELECTED BY THE OWNER
BASE:	TRIM AS PER DETAIL ON A6, COLOR AS SELECTED BY THE OWNER OR CERAMIC TILE OR STONE - MATCH WITH FLOORING
TRIM:	COVES, CROWNS, CASINGS CHAIRRAILS AND THE LIKE AS PER DETAIL ON A5, STAIN & VARNISH OR PAINT COLOR AS SELECTED BY THE OWNER
WALLS:	1/2 inch GWB, PRIMED AND PAINTED 2 COATS LATEX WALL PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
MAIN CEILING:	EXPOSED TIMBER RAFTERS AND 1X6 VEE JOINT CEILING DECK FINISH AS DIRECTED BY THE OWNER
APPLIED FINISHES:	APPLIED FINISHED TO GWB, i.e. SPRAY, KNOCK-DOWN, SKIP-TROWEL AND SIMILAR TREATMENTS AS DIRECTED BY THE OWNER
CABINETS:	AS SELECTED BY THE OWNER. MINIMUM AFI GRADE: "CUSTOM" - ALL COUNTERTOPS SHALL BE AS SELECTED BY THE OWNER

REVISION:

Copyright 2014  
N.P. Geisler, Architect

DRAWN:  
PBG

CUSTOM RESIDENTIAL DESIGN FOR:  
**MR & MRS. S. HAIR**  
COLUMBIA COUNTY, FLORIDA  
INTERIOR ARCHITECTURAL DETAILS

Celebrating 42 Years of Service  
1972-2014  
N.P. Geisler, Architect  
N.C.A.R.B. Certified

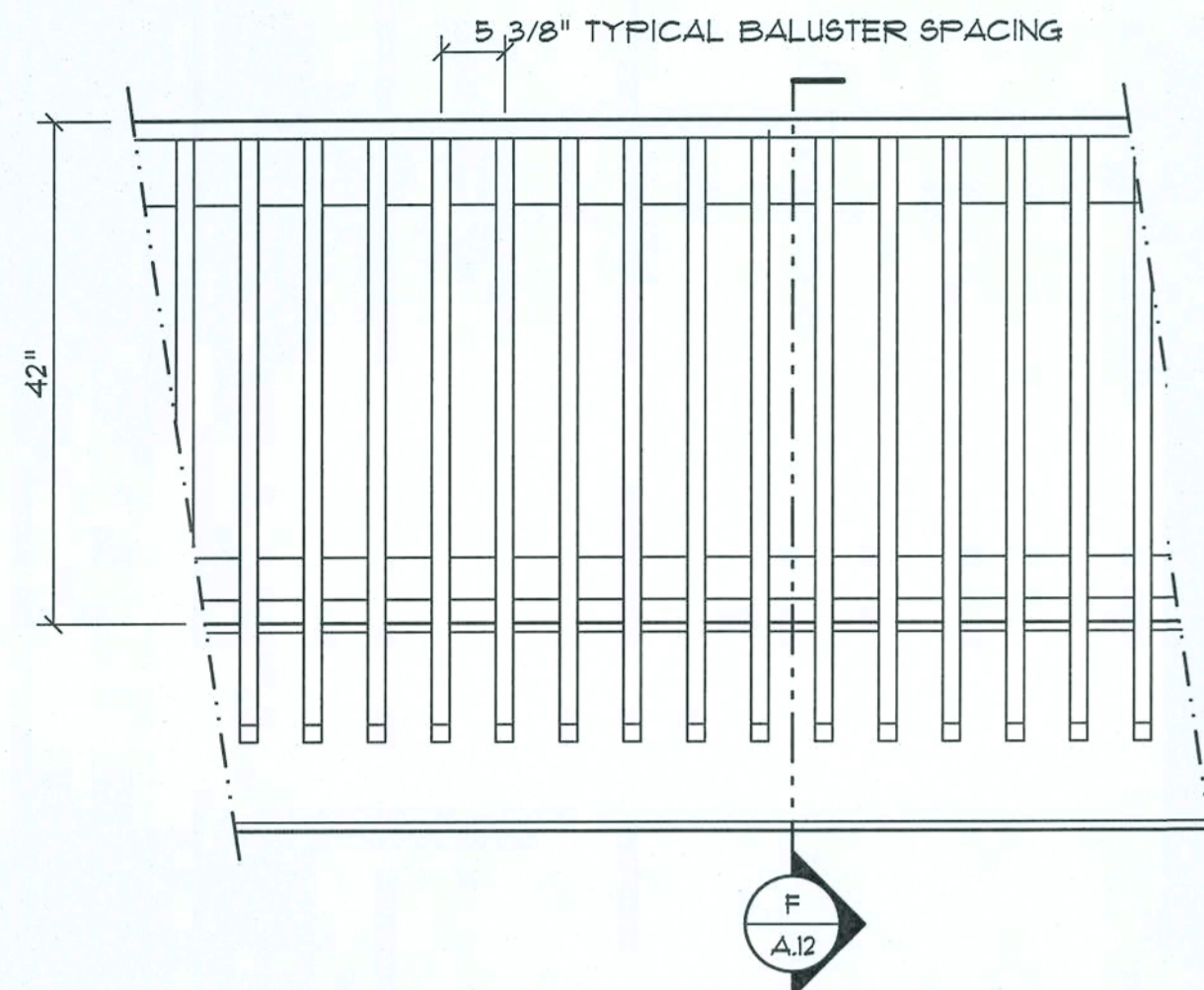
**NS**  
NICHOLAS  
PAUL  
GEISLER  
ARCHITECT  
N.C.A.R.B. Certified  
1758 NW Brown Rd.  
Lake City, FL 32055  
386-355-4555

DATE:  
21 JULY 2014  
COM#:  
2K1443

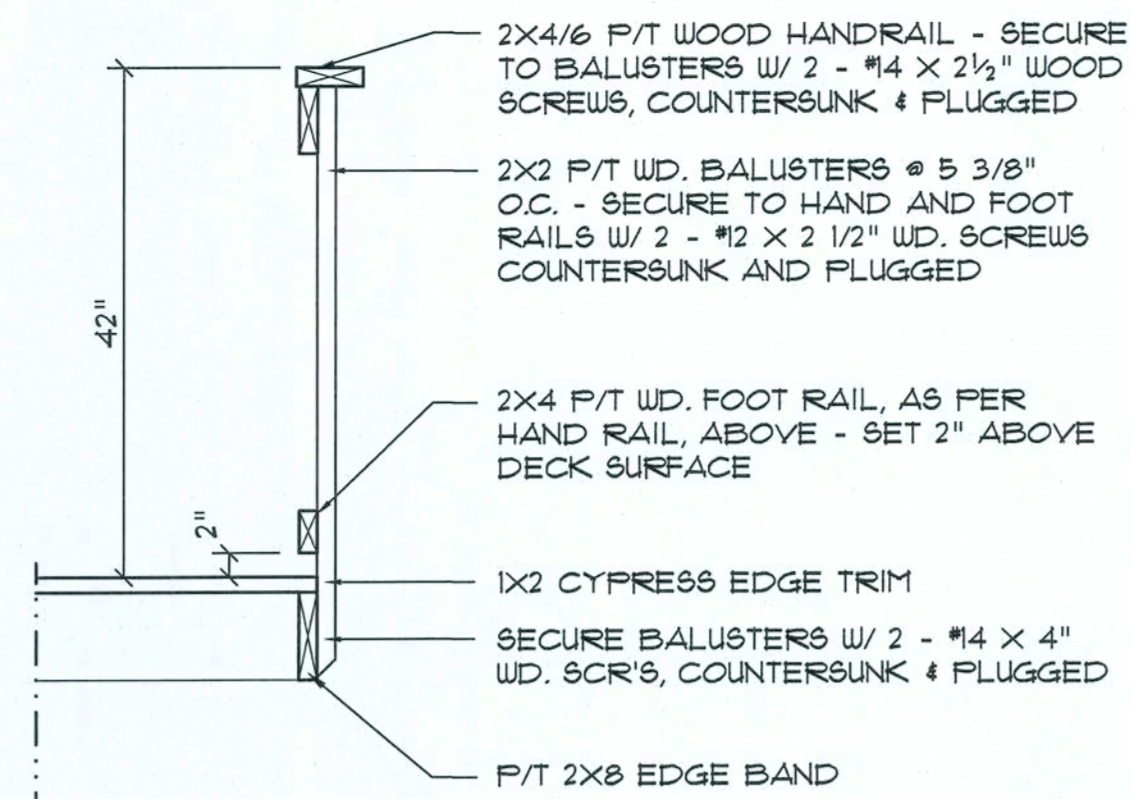
SHEET:  
A5  
5 of 11

*M. Geisler*  
AR0007005

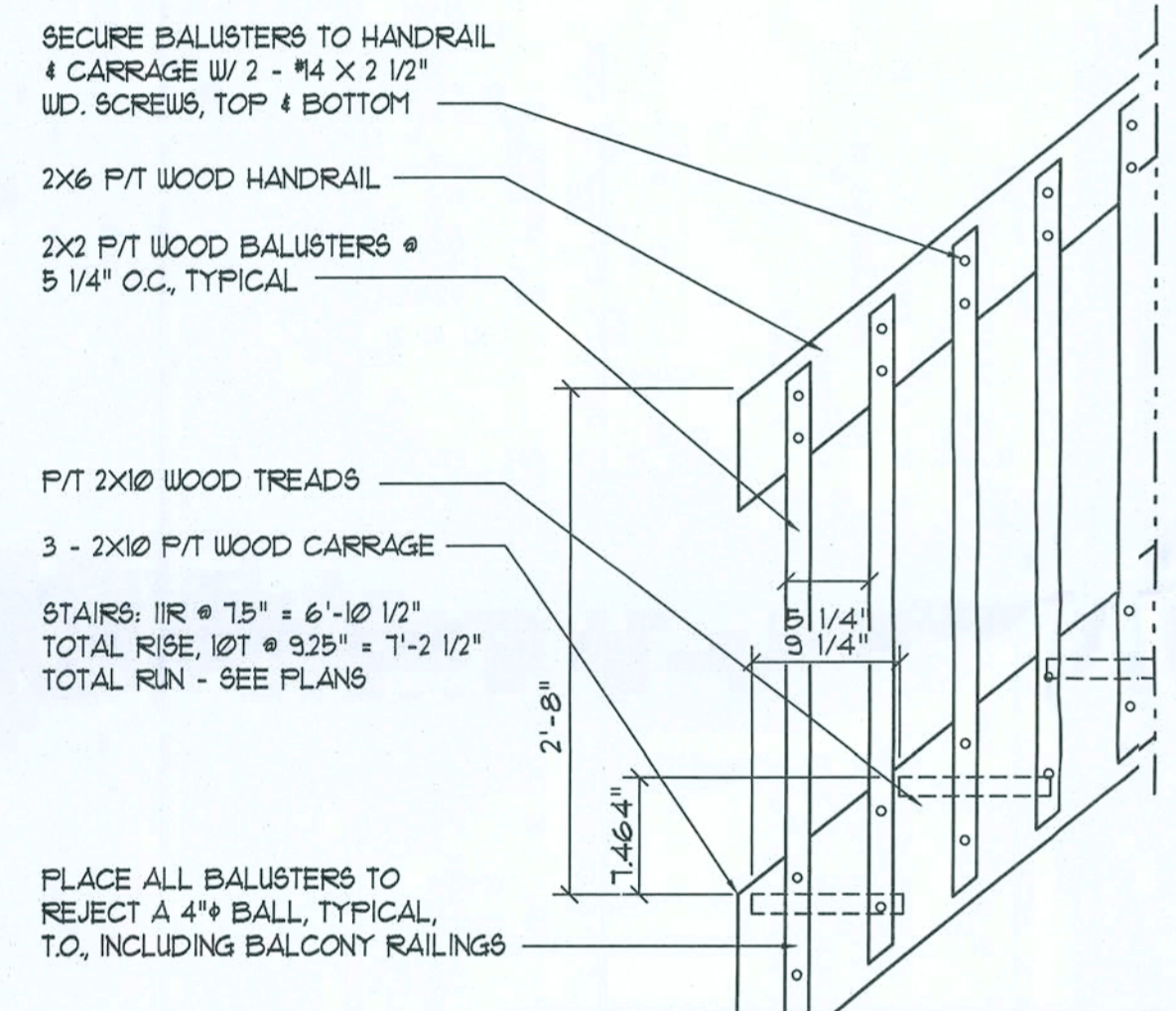
These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use on or incorporated within any other job without specific and individual authorization by the architect.



**Balcony Railing ELEV. G**  
SCALE: 3/4" = 1'-0"



**Balcony Railing SEC. H**  
SCALE: 3/4" = 1'-0"

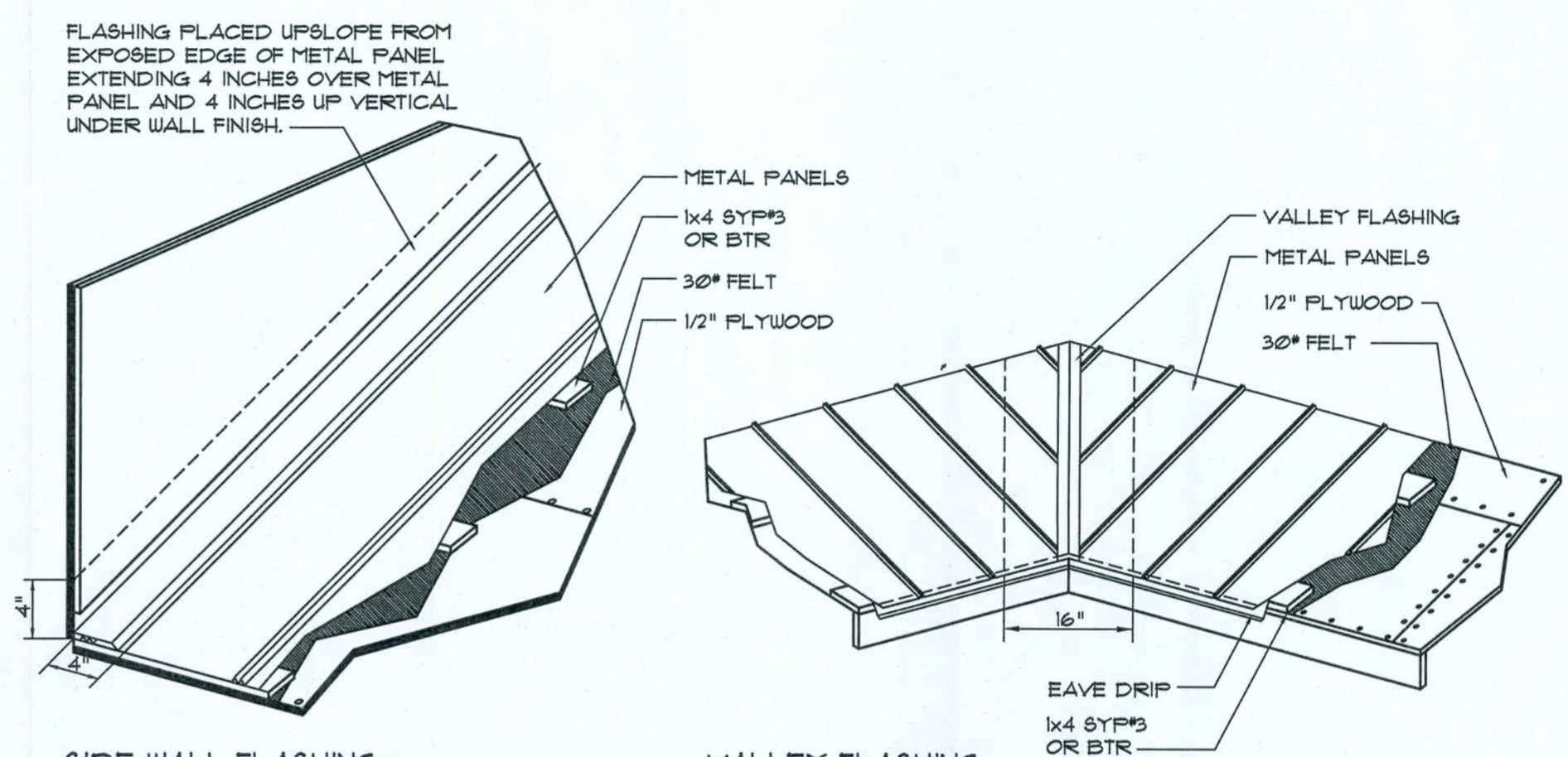


**Porch Stair DETAIL E**  
SCALE: 1" = 1'-0"

- GENERAL NOTES:**
- ALL LUMBERS SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE, GRADE 2 OR BETTER.
  - FASTENERS SHALL BE AS FOLLOWS:  
 • 12d GALVANIZED FINISH NAILS  
 • #4 X 4" GALV. WOOD SCREWS  
 • #4 X 2 1/2" GALV. WOOD SCREWS  
 REFER TO DETAILS FOR APPLICATION.
  - ALL WOOD SHALL BE SMOOTH SANDED READY FOR APPLIED FINISH, AS DIRECTED BY THE OWNER.
  - ALL CUTS SHALL BE MADE PLUMB AND SQUARE.
  - FINISH NAILS SHALL BE SET BELOW SURFACE OF ATTACHED MEMBER.
  - ALL SCREW HEADS SHALL BE COUNTERSUNK AND PLUGGED, FLUSH WITH SURROUNDING WOOD SURFACE.
  - JOB CONDITIONS AS ENCOUNTERED SHALL BE TREATED PER THESE TYPICAL DETAILS - RAILINGS SHALL BE A MINIMUM OF 42" ABOVE WALKING SURFACE AND ALL OPENINGS SHALL BE LIMITED TO REJECT A 4" BALL.

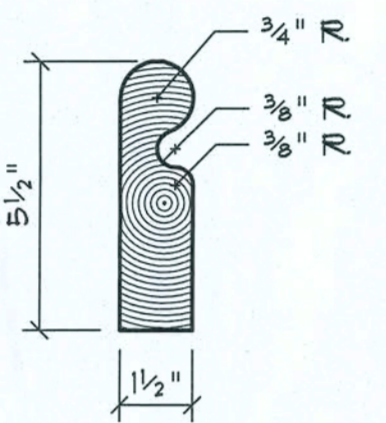
**9M-RIB METAL ROOFING PANELS  
ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES**  
MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ < 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 1-98, EXPOSURE 'C'

ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	100 - 110		120 - 130		140 - 150	
				O/C SPACING	TRIM	O/C SPACING	TRIM	O/C SPACING	TRIM
1	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL. SCR.	#2 X 1" #4 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"
2 & 3	WD. SCREW	#3 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL. SCR.	#2 X 1" #4 X 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	8"

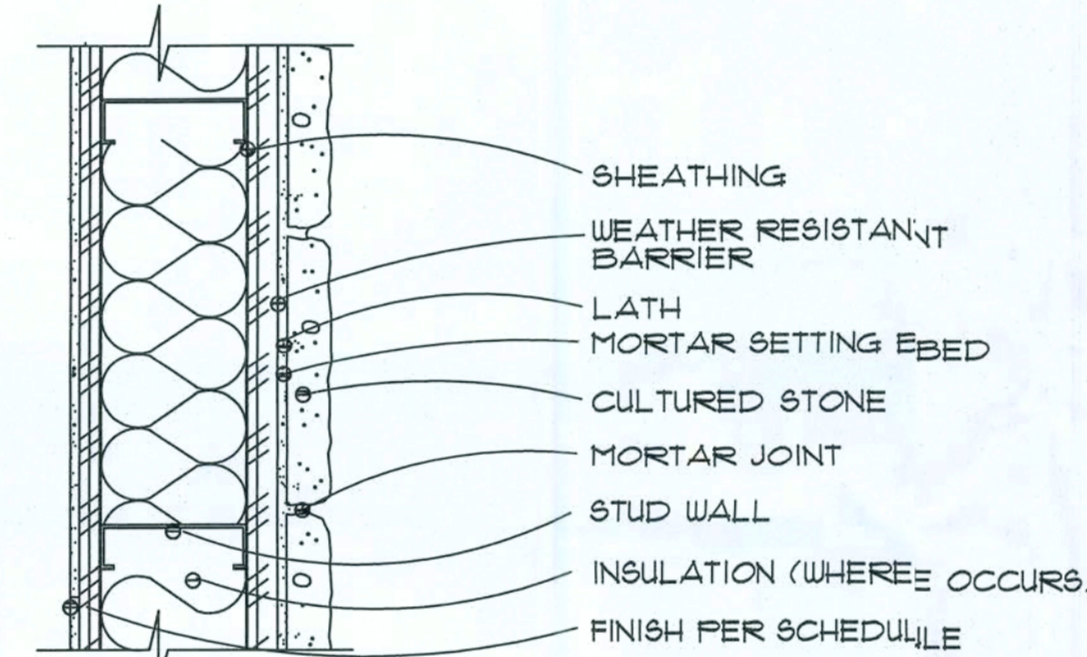


**Metal Roofing DETAILS I**

- DECK REQUIREMENTS:**  
METAL PANELS MUST BE FASTENED TO MIN. 1/2" CDX PLYWOOD.
- SLOPE:**  
METAL PANELS SHALL BE USED ONLY ON ROOF SLOPES OF 3:12 OR GREATER TO INSURE PROPER DRAINAGE.
- CAULKING:**  
MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT SUPPLIED IN TAPE OR GUN-GRADE FORM.
- METAL PANEL:**  
METAL PANELS SHALL BE MIN. 26 GAUGE AND COMPLY WITH ASTM A-192 AND D 1-98 EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.
- FASTENERS:**  
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #3 X 1 1/2" HEX HEAD.
- ATTACHMENT:**  
METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN 24" O.C. WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED, UNLESS OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM WITH ASTM E 3307 OR FIA 125.
- BASE AND CAP FLASHINGS:**  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS @ 2019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF @ 2019 INCH.
- VALLEYS:**  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:  
 1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN REC TABLE B0713.32.  
 2. 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. 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 & COMPLYING WITH ASTM D 1812.

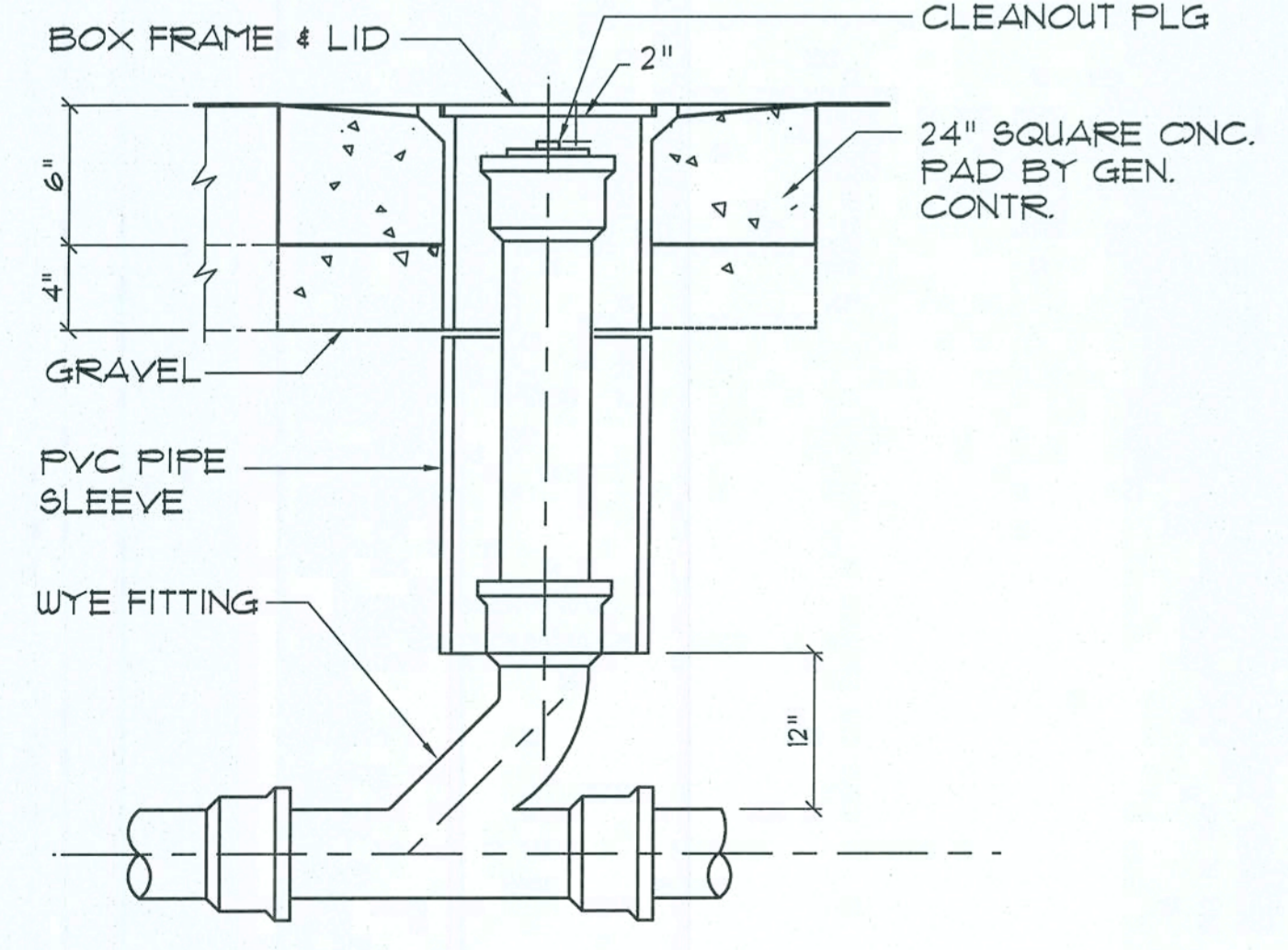


**HANDRAIL DETAIL**  
SCALE: 3" = 1'-0"

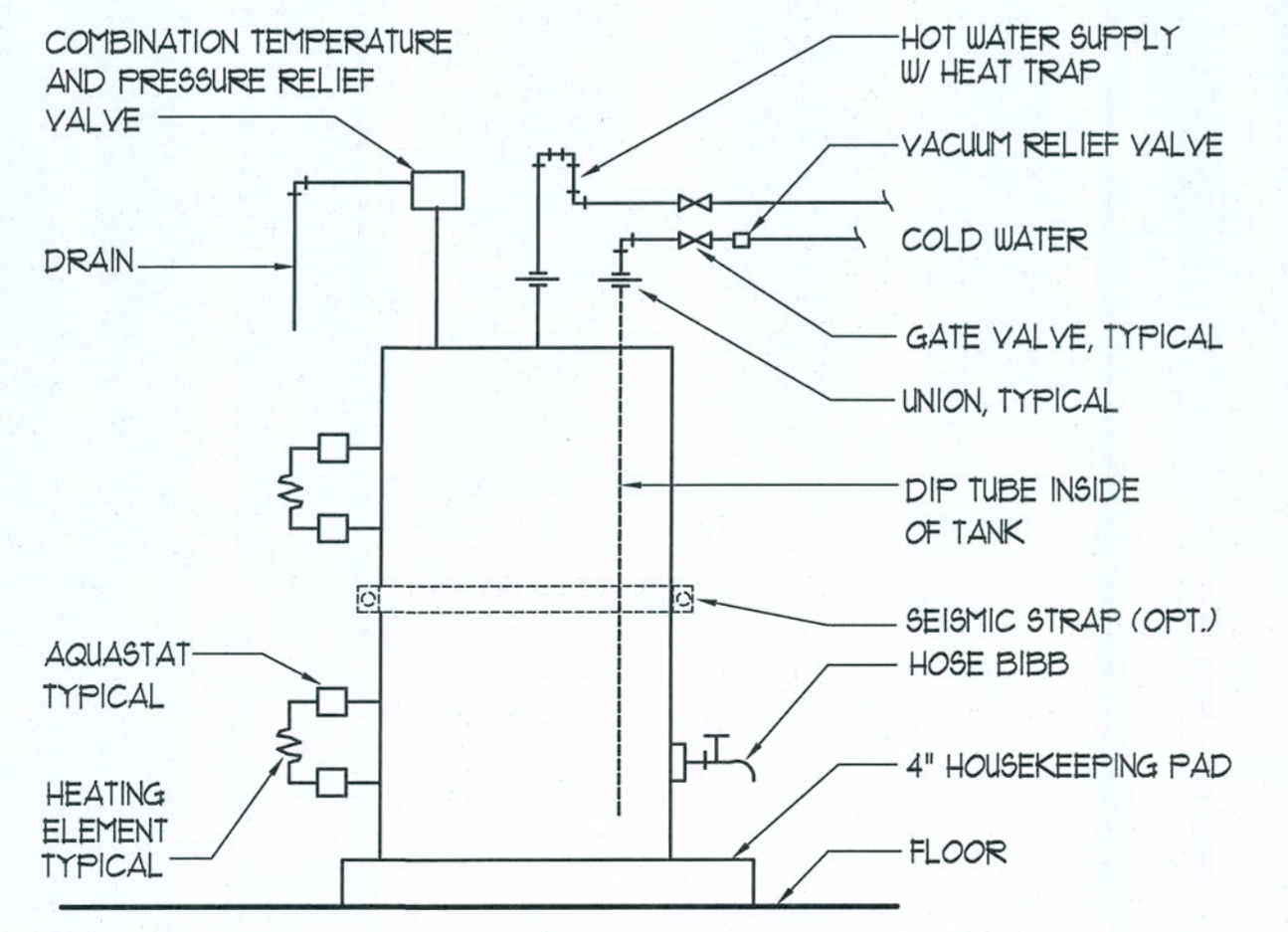


**INSTALLATION OVER SHEATHING**  
SCALE: NONE

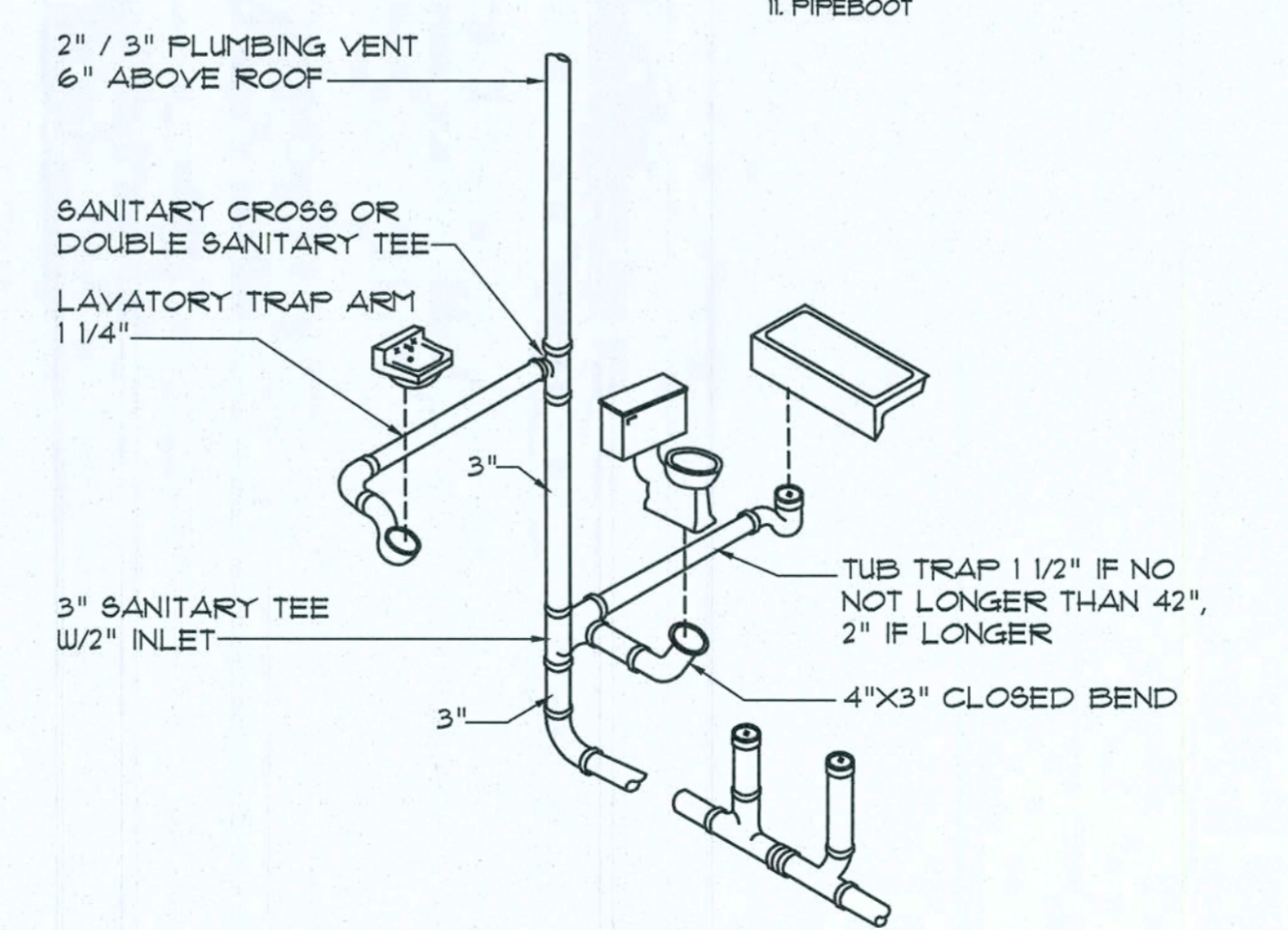
**CULTURED STONE DET'S F**  
SCALE: NONE



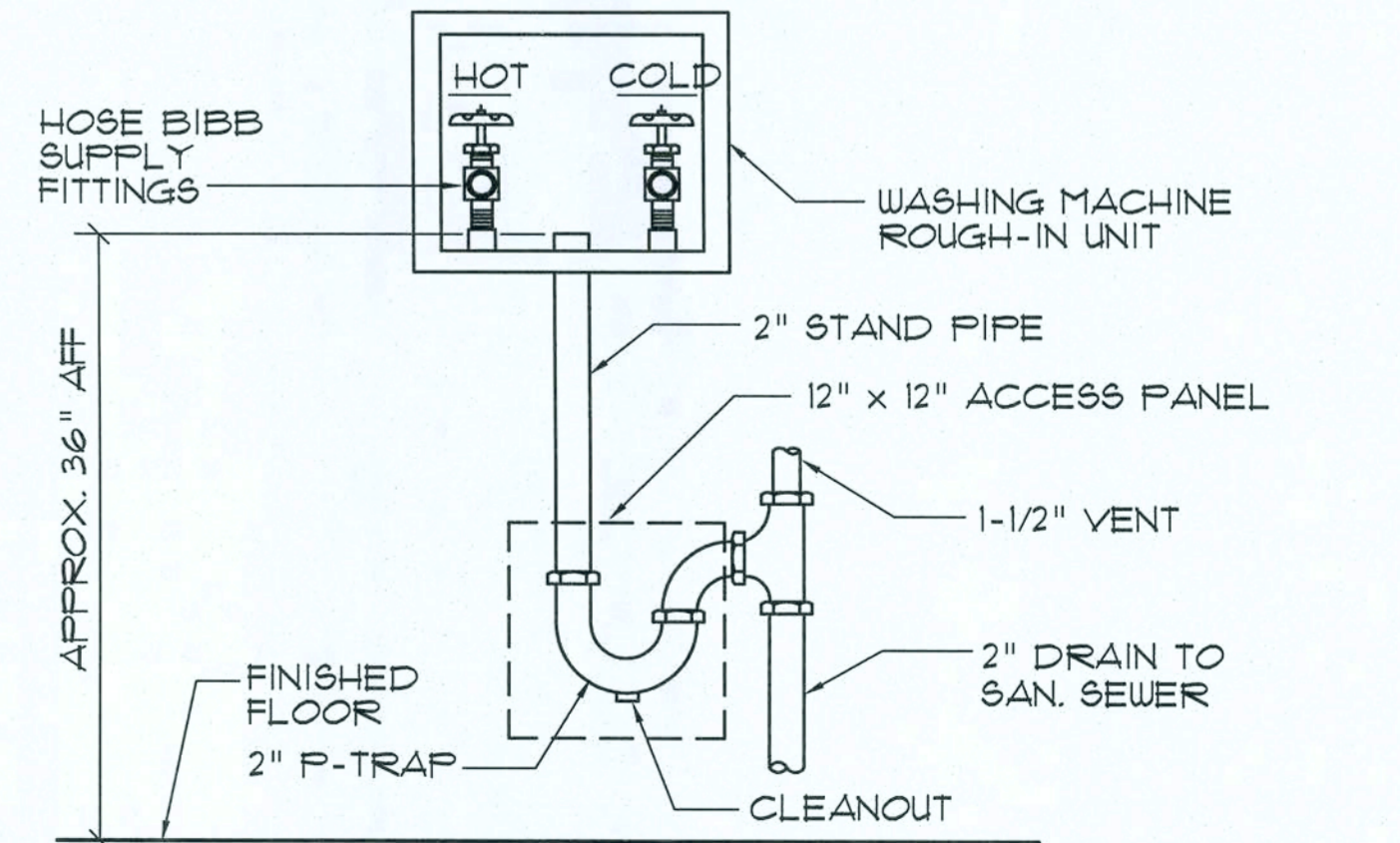
**Outdoor Cleanout DETAIL A**  
N.T.S.



**Electric Water Heater DETAIL B**  
SCALE: NONE



**Typ. One Bath Plumbing DET. C**  
N.T.S.  
N.T.S. - THIS PLUMBING DIAGRAM IS GENERAL IN NATURE, REFER TO THE 'PLUMBING RISER DIAGRAM' FOR INFORMATION.



**Washing Machine Hook-up DET. D**  
N.T.S.

REVISION:

Copyright 2014  
N.P. Miller, Architect

DRAWN:  
NPM

CUSTOM RESIDENTIAL DESIGN FOR:  
**MR & MRS. S. HAIR**  
COLUMBIA COUNTY, FLORIDA

EXTERIOR ARCHITECTURAL DETAILS

42 Years of Service  
1972 - 2014  
N.P. MILLER  
ARCHITECT  
N. GARWOOD

1756 NW Brown Rd.  
Lake City, FL 32055  
352-358-4355

DATE:  
27 JULY 2014

COMM:  
2K1443

SHEET:  
A.6  
6 OF 11

AR0017005

Field "As-Built" Notes

FLORIDA BUILDING CODE

Compliance Summary

TYPICAL CONSTRUCTION

Roof: Hip Construction, Wood Trusses @ 24" O.C.  
 Walls: 2x4 Wood Studs @ 16" O.C.  
 Floor: 4" THK Concrete Slab w/ Fiberglass Concrete Additive  
 Foundation: Continuous Monolithic Slab/Footer

ROOFDECKING

Material: 1/2" CD Plywood or 7/16" OSB.  
 Fast Size: 48"x96" Sheets Perpendicular to Roof Framing  
 Fasteners: 8d Common Nails per schedule on sheet 5D2

SHEATHING

Material: 7/16" OSB, Windstorm: 48" x 96", 12' OR 145"  
 Fast Size: 48"x96" (109", 121" OR 145") Sheets Placed Vertical  
 Fasteners: 8d Common Nails @ 4" O.C. Edges & 6" O.C. Interior  
 Fasteners: Double Top Plate (S.Y.P.) 1/2" - 16d Nails @ 12" O.C.  
 1/2" Studs: 2x4 9FT Studs @ 16" O.C.

HURICANE UPLIFT CONNECTORS

Use Anchors: Simpson H2.5 @ Ea. Truss End (Typ. U.O.N.)  
 Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.  
 Anchor Bolts: 1/2" A307 @ 48" O.C. - 1st Bolt 8" from corner  
 Corner Hold-down Device: Simpson HD2.5, ea. corner

FOOTINGS AND FOUNDATIONS

footing: 16"x18" Cont. Monolith-15 Cont. 4 wire chairs @ 48" O.C.



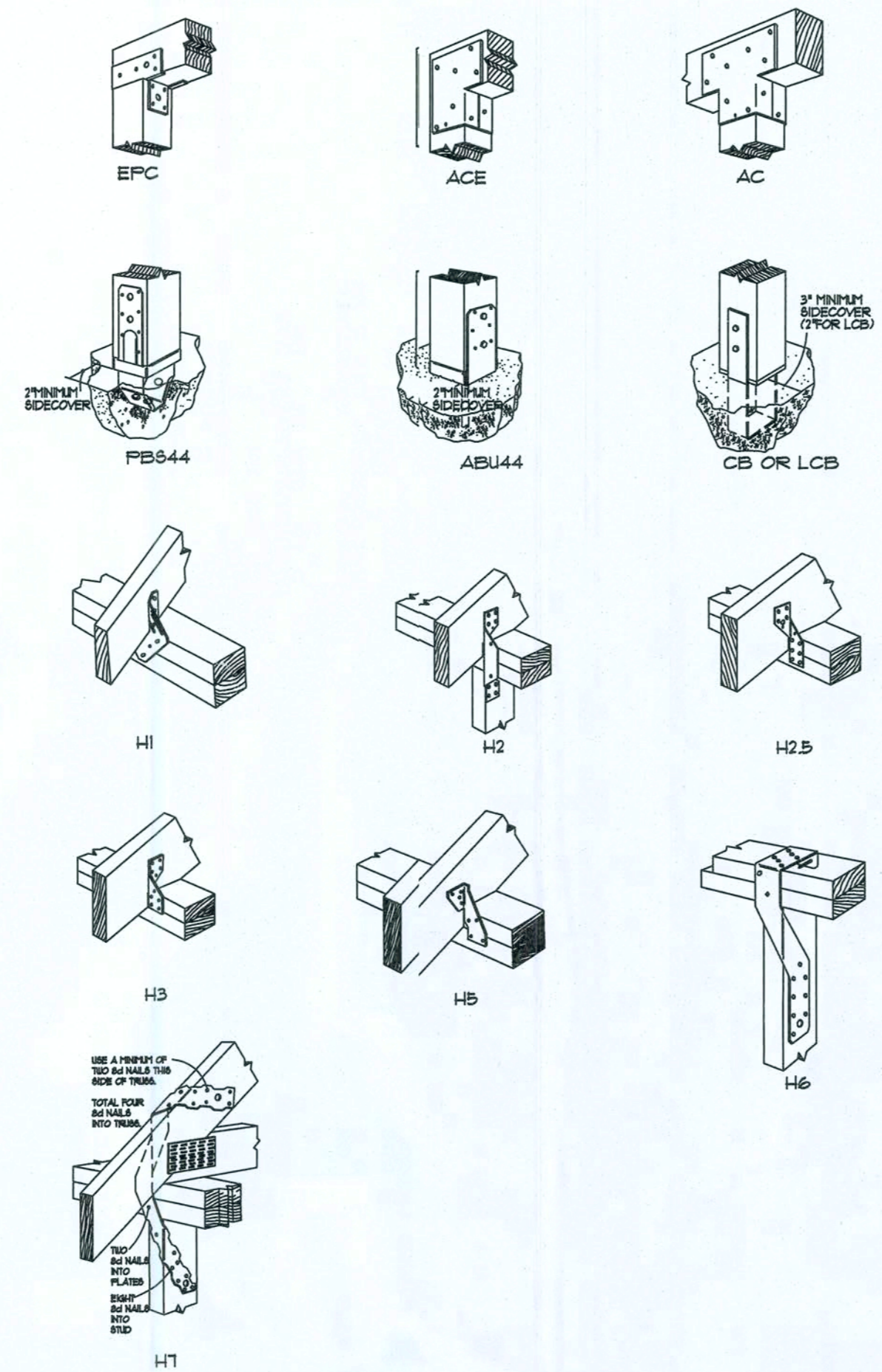
Wind Speed (MPH)	Wind		Wind		Wind	
	10 MPH	15 MPH	20 MPH	25 MPH	30 MPH	35 MPH
ROOF 1" TO 21"	10	19.9 / -21.8	23.7 / -25.9	27.8 / -30.4	32.3 / -35.3	37.1 / -39.9
	20	19.4 / -20.7	23.0 / -24.6	27.0 / -29.5	31.4 / -33.5	36.0 / -38.4
	30	18.6 / -19.2	22.2 / -22.8	26.0 / -26.8	30.2 / -31.1	34.2 / -35.1
ROOF 21" TO 45"	10	19.9 / -25.5	23.7 / -30.3	27.8 / -35.6	32.3 / -41.2	37.1 / -47.8
	20	19.4 / -24.3	23.0 / -29.0	27.0 / -34.0	31.4 / -39.4	36.0 / -44.0
	30	18.6 / -22.9	22.2 / -27.2	26.0 / -32.0	30.2 / -37.1	34.2 / -41.1
WALL	10	21.8 / -23.6	25.9 / -34.7	30.4 / -39.0	35.3 / -47.2	40.4 / -55.1
	20	20.8 / -22.6	24.7 / -28.9	29.0 / -31.6	33.7 / -36.1	38.4 / -51.1
	30	19.5 / -21.3	23.2 / -25.4	27.2 / -29.0	31.6 / -34.6	36.0 / -48.1

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

BLG HEIGHT	EXPOSURE 'B'	EXPOSURE 'C'	EXPOSURE 'D'
15	1.00	1.21	1.41
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

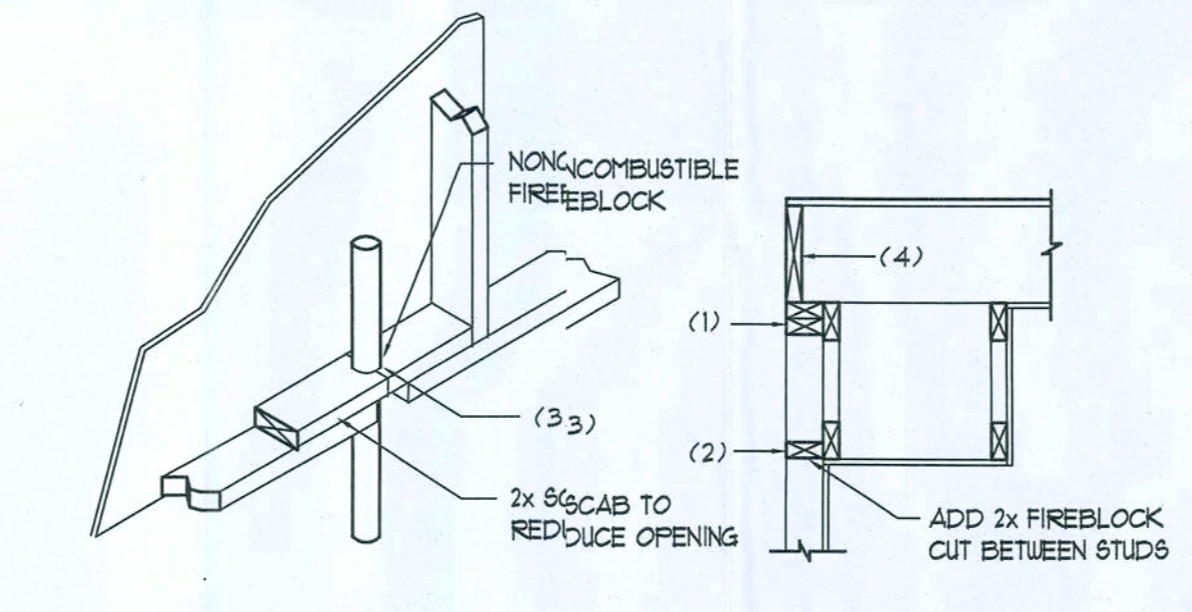
STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- WIND LOAD CRITERIA: RISK CATEGORY: 2  
 BASED ON ANSI/ASCE 7-10, 2010 FBC 1609-A WIND VELOCITY: V<sub>ULT</sub> = 120 MPH  
 V<sub>ASD</sub> = 93 MPH
- ROOF DESIGN LOADS:  
 SUPERIMPOSED DEAD LOADS: ..... 20 PSF  
 SUPERIMPOSED LIVE LOADS: ..... 20 PSF
- FLOOR DESIGN LOADS:  
 SUPERIMPOSED DEAD LOADS: ..... 25 PSF  
 SUPERIMPOSED LIVE LOADS:  
 RESIDENTIAL: ..... 40 PSF  
 BALCONIES: ..... 60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS



Typical "Simpson" CONNECTORS

SCALE: NONE



FIRE STOPPING NOTES:

- 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 CEILING, COVE CEILING, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH 1/2" PYROFLEX 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 COVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

TERMITE PROTECTION NOTES:

- SOIL CHEMICAL BARRIER METHOD:
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1603.6
  - CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1603.4.4
  - IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1603.4.4
  - TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1603.16
  - INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1616.11
  - SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1616.12
  - BOXED AREAS IN CONCRETE FLOOR 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 1616.13
  - MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1616.14
  - CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1616.15
  - SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1616.16
  - 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 1616.16
  - ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1616.17
  - 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 1616.17
  - 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 TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.13
  - NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC. SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.14

GENERAL CONSTRUCTION NOTES:

- FIELD VERIFY ALL DIMENSIONS AND MATERIALS. ALL OUTSIDE DIMENSIONS ARE TO FACE OF RIM JOIST, OR O/S FACE OF STUDS
- ALL NAILING CONSTRUCTION MATERIALS SHALL BE AS PER 2004 FBC LATEST OR LOCAL CODE(S).
- PROVIDE EXTERIOR COMBUSTION AIR TO GAS FIRED HVAC EQUIPMENT WOOD BURNING STOVES, AND FIREPLACES.
- VENT CLOTHES DRYER, BATH, AND COOKING FANS TO EXTERIOR, AS REQUIRED - REFER TO HVAC GENERAL NOTES.
- CONTRACTOR SHALL CALL ATTENTION TO THE OWNER ANY DISCREPANCIES IN DRAWINGS AND/OR SPECIFICATIONS AND SHALL RECEIVE PROPER INSTRUCTIONS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK IN QUESTION. SEE ALSO GENERAL NOTES.
- N/A
- SHOULD CONDITIONS AT THE SITE BE FOUND MATERIALLY DIFFERENT FROM THOSE INDICATED BY THE DRAWINGS AND/OR SPECIFICATIONS, AND THE CONDITIONS USUALLY INHERENT IN THE WORK OF THE CHARACTER SHOWN AND SPECIFIED BE DIFFERENT FROM STANDARD RECOMMENDED BUILDING PROCEDURES - CALL IMMEDIATE ATTENTION TO SUCH CONDITIONS BEFORE PROCEEDING.
- LP GAS-BURNING APPLIANCES ARE NOT PERMITTED IN BASEMENTS OR CRAWL SPACES.
- DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS ONLY.
- THESE DETAIL SHEETS CONTAIN INFORMATION WHICH IS IMPERATIVE TO THE PROPER AND TIMELY OF YOUR HOUSE. BE SURE THE CONTRACTOR RECEIVES THE INFORMATION !!

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF./MODEL	CAP.
RAFTER TO WALL:	5/8" ALL-THREAD ROD	3340#
FLOOR EDGE GIRDER TO PIERS	SIMPSON HD2a	2115#
HEADER TO KING STUD(S)	SIMPSON ST2	1310#
EDGE GIRDER TO EDGE GIRDER	SIMPSON H44B210-3	5190#
PORCH BEAM TO POST:	SIMPSON FC44/EPC44	1100#
JOISTS TO GIRDERS	SIMPSON LU2B	890#
MISC. JOINTS	SIMPSON A34	3151/240#
PLATE TO STUD	SIMPSON SP2	1065#
STUD TO EDGE GIRDER	SIMPSON H6	950#

NOTE:  
 ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:  
 REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

NOTE:  
 ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL TO.

NOTE:  
 "SIMPSON" PRODUCT APPROVALS:  
 MIAMI/DADE COUNTY REPORT #31-2010105, #36-1126.11, #33-0623.04  
 SECCI NER-443, NER-393

GENERAL NAILING SCHEDULE:

NUMBER OF NAILS FOR CONNECTING WOOD MEMBERS:	COMMON NAILS	Nr. / SPACING
BRIDGING TO JOIST, TOE NAIL	16d	2 EA. END
2" SUBFLOOR TO JOIST:		
BLIND & FACE NAILING	16d	2
SOLE PLATE TO JOIST OR BLOCKING	16d	16" O.C.
FACE NAILED		
TOP OR SOLE PLATE TO STUD	16d	2
END NAILED		
STUD TO SOLE PLATE, TOE NAILED	8d	3 OR 2 16d
DOUBLE STUDS, FACE NAILED	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAILED	16d	16" O.C.
TOP PLATES - LAF@ 4 INTERSECTIONS		
FACE NAILED	16d	2
1" X 6" SHEATHING TO EACH POINT OF BEARING, FACE NAILED	8d	2
BUILT-UP CORNER STUDS, FACE NAILED	16d	32" O.C.
BUILT-UP GIRDERS & BEAMS	20d	32" O.C. @ STAGGERED - 2 @ EA. END
3/4" PLYWOOD SUBFLOORING	8d	4 @ SPLICES
OSB SHEATHING, 7/16" THICK	8d	6" O.C. @ EDGES
1/8" FIBERBOARD SHEATHING	6d	10" O.C. @ EDGES
		3" O.C. @ EDGES
		INTERMEDIATE

- NAILS, BOLTS AND OTHER METAL CONNECTORS WHICH ARE USED IN LOCATIONS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR OTHERWISE CORROSION RESISTANT.
- IN GENERAL, NAILS SHALL PENETRATE THE SECOND MEMBER A DISTANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERETO, OR GREATER.
- THERE SHALL BE NOT LESS THAN 2 NAILS PER CONNECTION.
- GLUING SHALL NOT BE CONSIDERED AN ACCEPTABLE CONNECTOR IN LIEU OF THOSE SPECIFIED HEREIN.
- FORMED METAL CONNECTORS, AS PER THE SCHEDULE HEREIN, SHALL HAVE THE NUMBER OF NAILS INSTALLED AS REQUIRED BY THE MANUFACTURER, OR AS DIRECTED BY THE PLANS.
- NAILS PROJECTING BEYOND THE LAST WOOD MEMBER SHALL BE CLINCHED, WHEREVER POSSIBLE.
- NOTES IN THE "PLANS" PACKAGE OF THE CONSTRUCTION DOCUMENTS SUPERSEDE SIZES & SPACINGS OF NAILS CONTAINED HEREIN.

REVISION:

Copyright 2014  
 N.I. Gesler, Architect

DRAWN:  
 nrg

CUSTOM RESIDENTIAL DESIGN FOR:  
**MR & MRS. S. HAIR**  
 COLUMBIA COUNTY, FLORIDA

STRUCTURAL INFORMATION

Calculating  
 47 Years of Service  
 1972 - 2014  
 N.P. 072 - 2014  
 ARCHITECT  
 N. CAROLINA

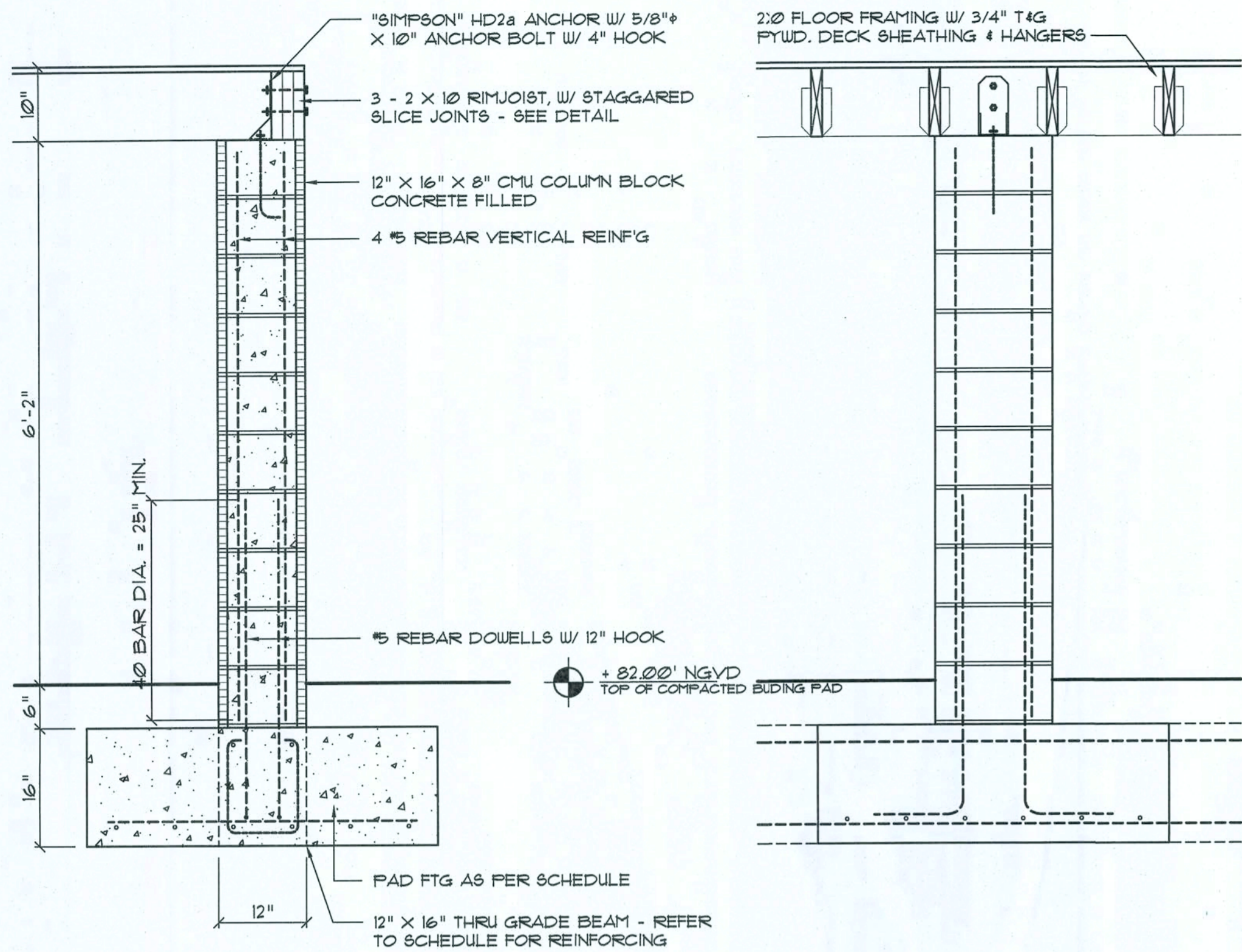
1768 NW Brown Rd.  
 PAUL GEISLER ARCHITECTS  
 386-507-4355  
 N. CAROLINA

DATE:  
 21 JULY 2014

COMB:  
 2K1443

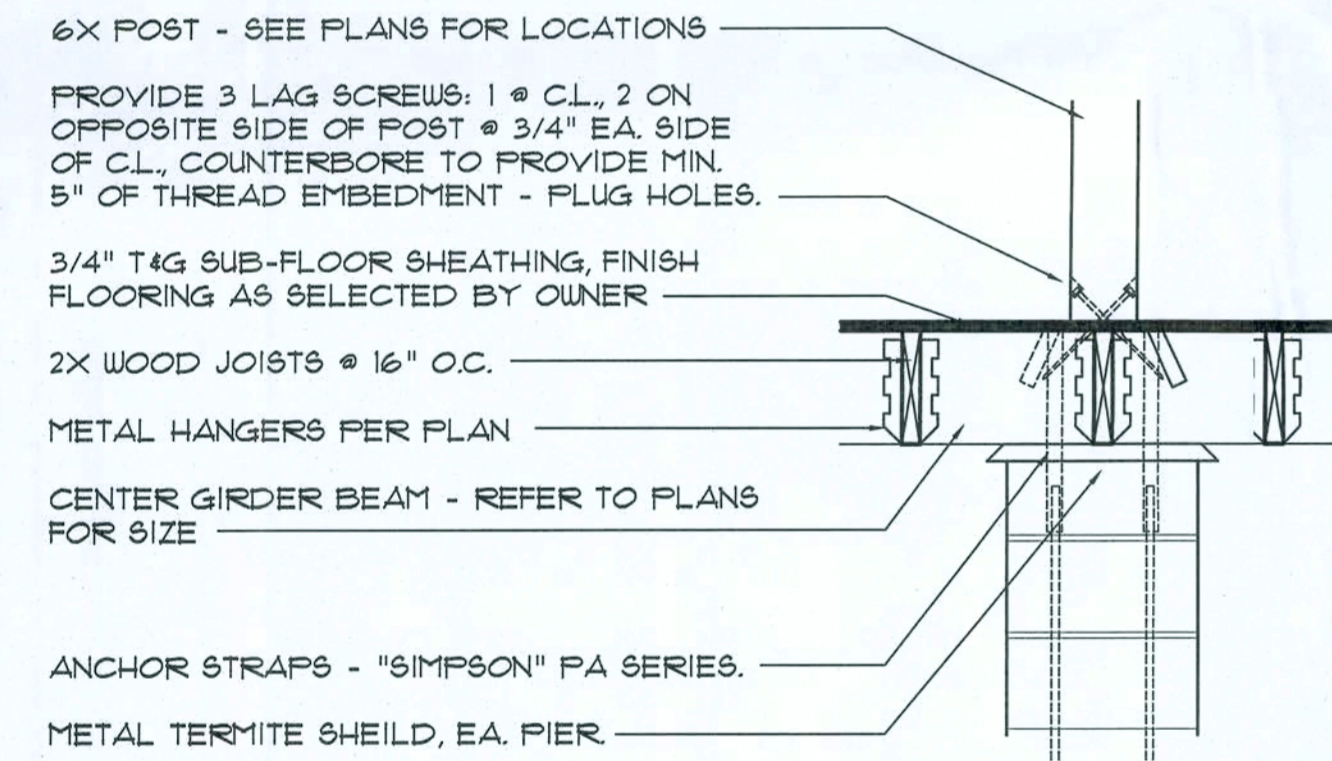
SHEET:  
 A.7  
 7 of 11

ARC007005



**Pier Reinforcing DETAIL**

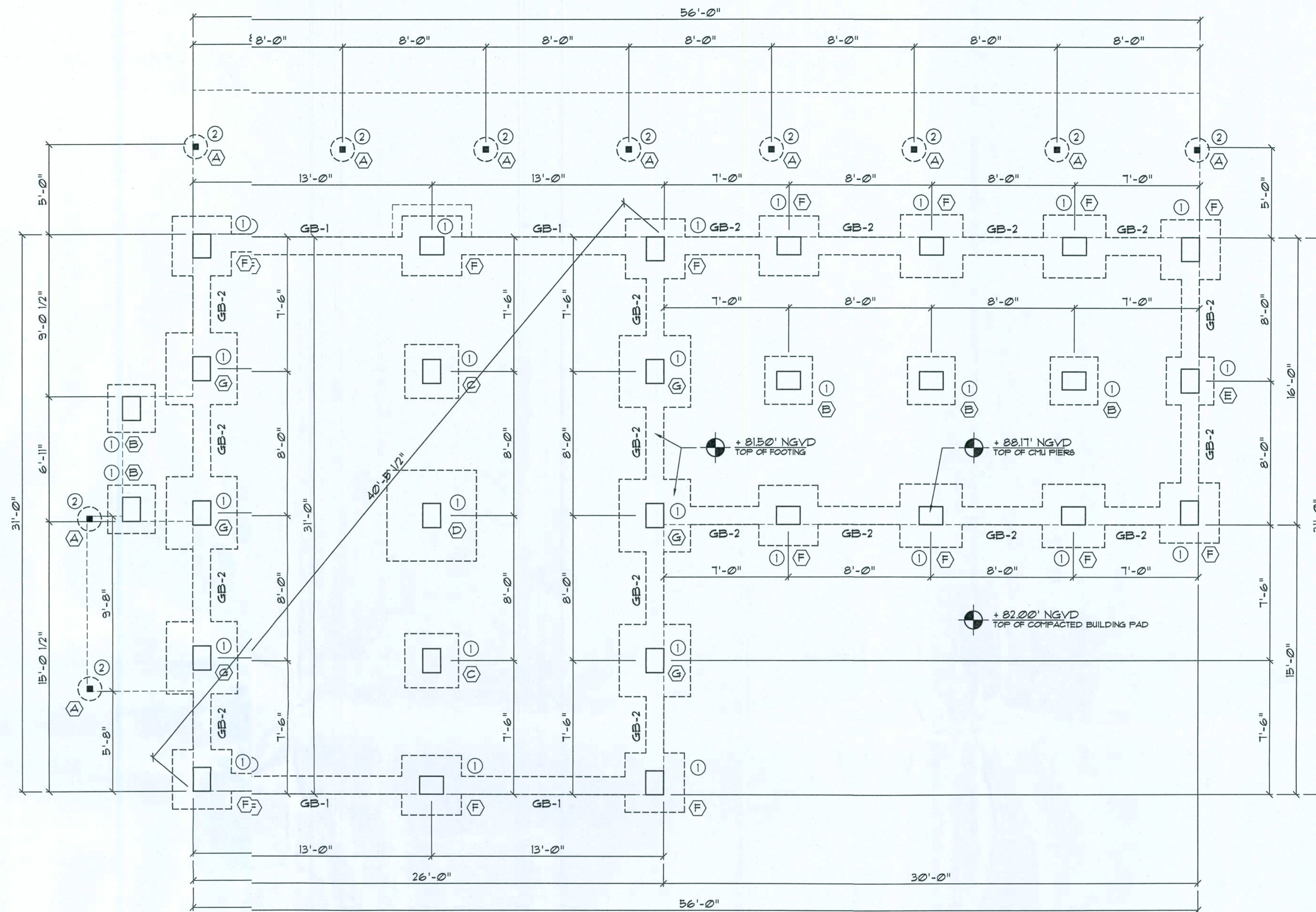
SCALE: 3/4" = 1'-0"



**Pier / Girder SECTION**

SCALE: 3/4" = 1'-0"

NOTE!  
INSULATION NOT SHOWN, FOR CLARITY - MIN. R-11 BATT INSULATION REQUIRED, T.O.



**Foundation PLAN**

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

NOTE!  
ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

NOTE!  
PLUMBING; CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS; INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING; LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!  
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS; INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK; LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER; & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE!  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2010 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

**FOOTING SCHEDULE**

- (A) 16" x 32" FOOTING, W/ 4 #5 REBAR VERT. & #3 TIES @ 12" O.C.
- (B) 32" SQ. X 12", PAD FOOTING, W/ 4 #5 REBAR EA. WAY, BOTTOM
- (C) 36" SQ. X 12" PAD FOOTING, W/ 4 #5 REBAR EA. WAY, BOTTOM
- (D) 60" SQ. X 12" PAD FOOTING, W/ 8 #5 REBAR EA. WAY, BOTTOM
- (E) 32" SQ. X 16" PAD FOOTING, W/ 4 #5 REBAR EA. WAY, BOTTOM
- (F) 40" SQ. X 16" PAD FOOTING, W/ 5 #5 REBAR EA. WAY, BOTTOM
- (G) 48" SQ. X 16" PAD FOOTING, W/ 6 #5 REBAR EA. WAY, BOTTOM

**GRADE BEAM SCHEDULE**

- GB-1 12" X 16" W/ 2 #5 REBAR, TOP & BOT. PROVIDE 4 #3 STIRRUPS @ 4" O.C. & 4 #3 STIRRUPS @ 6" O.C. EA. END
- GB-2 12" X 16" W/ 2 #5 REBAR, TOP & BOT. PROVIDE 5 #3 STIRRUPS @ 4" O.C. EA. END, EACH SPAN

**PIER / POST SCHEDULE**

- (1) 12" X 16" CONC. FILLED CONC. BLOCK, W/ 4 #5 VERT. REBAR HOOKED TO FTG USE "O" BLOCK FOR ANCHOR BOLT PLACEMENT
- (2) 4X4 P/T WOOD POST
- (3) 6X6 CYPRESS POST

**CONCRETE / MASONRY / METALS GENERAL NOTES:**

1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 25 KSI.
6. CONCRETE SHALL BE STANDARD MIX FC = 3000 PSI FOR ALL FTGS, SLABS, COLLUMS AND BEAMS OR SHALL BE STANDARD FUMIX MIX FC = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - Fm = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE I OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

REVISION:

Copyright 2014  
N.P. Geller, Architect

DRAWN  
rsg

CUSTOM RESIDENTIAL DESIGN FOR:  
**MR. & MRS. S. HAIR**  
COLUMBIA COUNTY, FLORIDA  
**FOUNDATION PLAN**

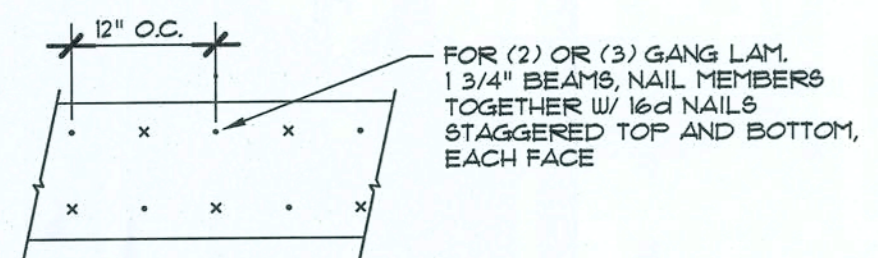
43 Years of Service  
1972 - 2014  
N.P. Geller, Architect  
AR00001005

**NICHOLAS PAUL GEISLER ARCHITECT**  
1745 NW Brown Rd.  
Lafayette, FL 32055  
386-365-4355  
N.C.A.R.B. Certified

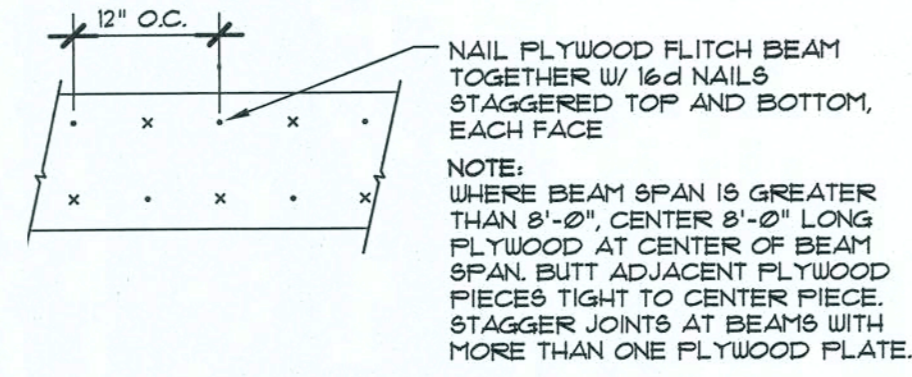
DATE:  
27 JULY 2014  
COMM:  
2K1443

SHEET:  
A.8  
8 OF 11

AR0001005

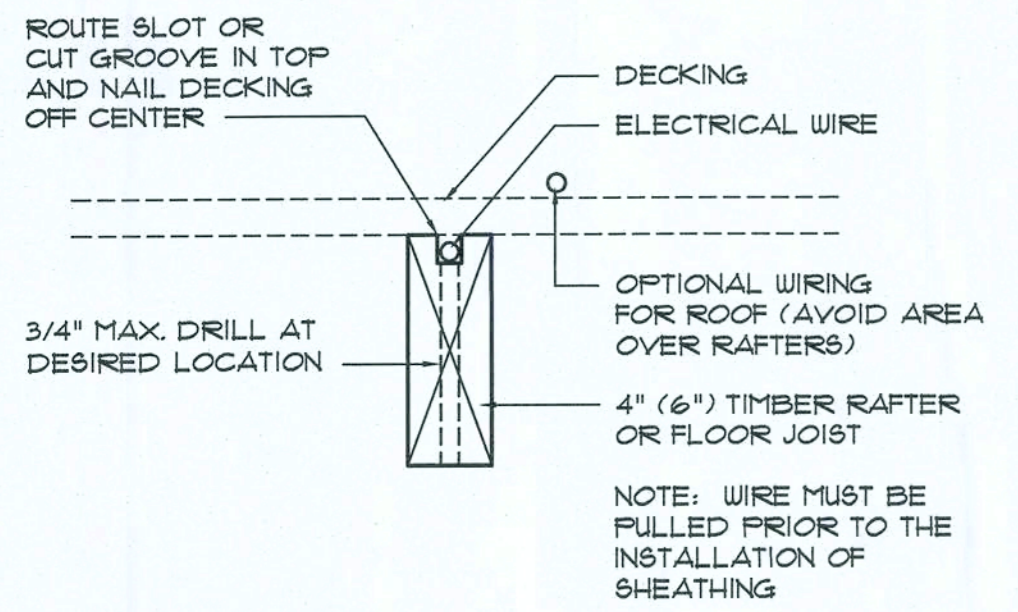


**MULTIPLE GANG LAM. DETAIL**  
NOT TO SCALE

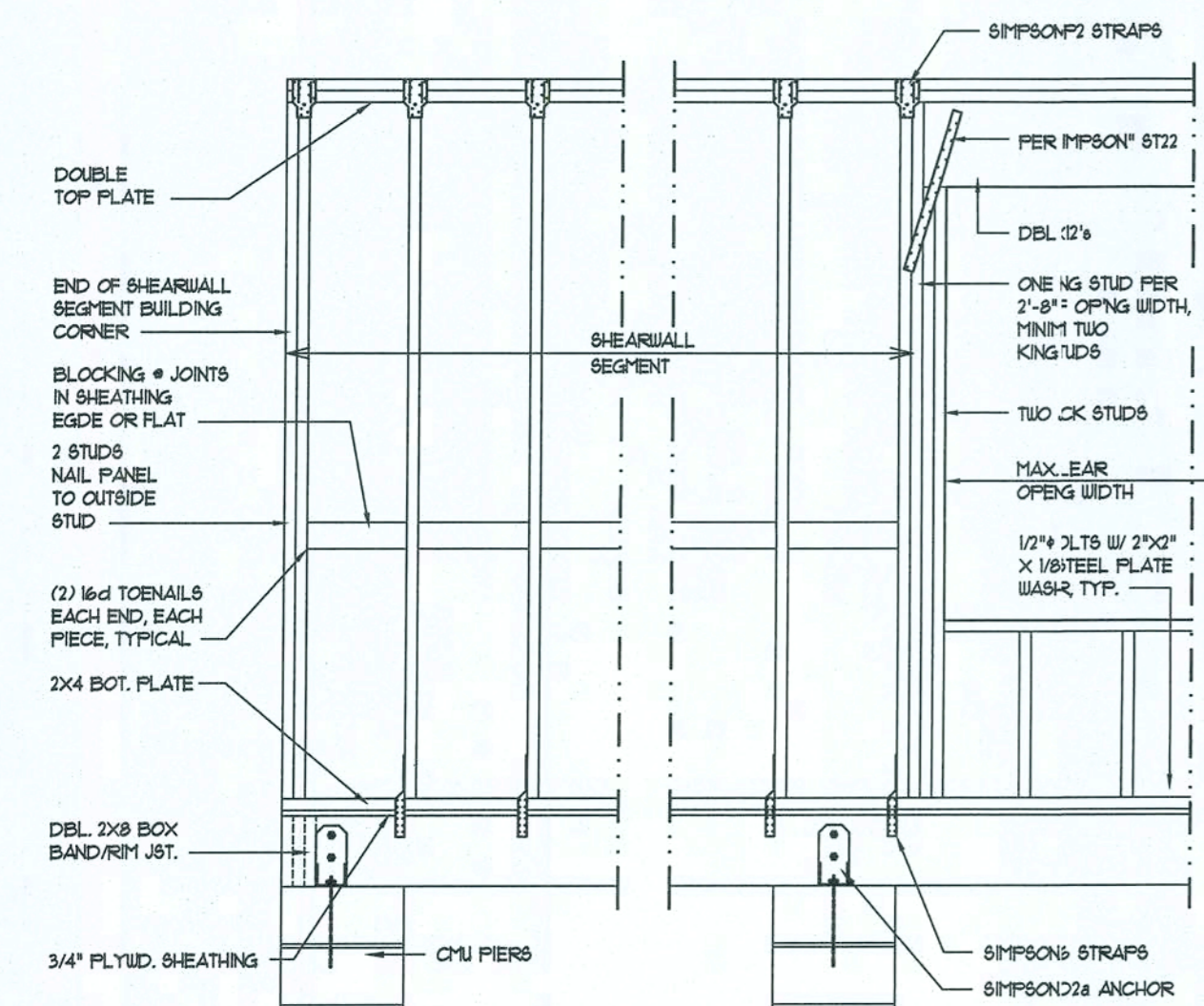


**PLYWOOD FLITCH BEAM DETAIL**  
NOT TO SCALE

**Built-Up Beam DETAILS** (A)  
SCALE: 1 1/2" = 1'-0"



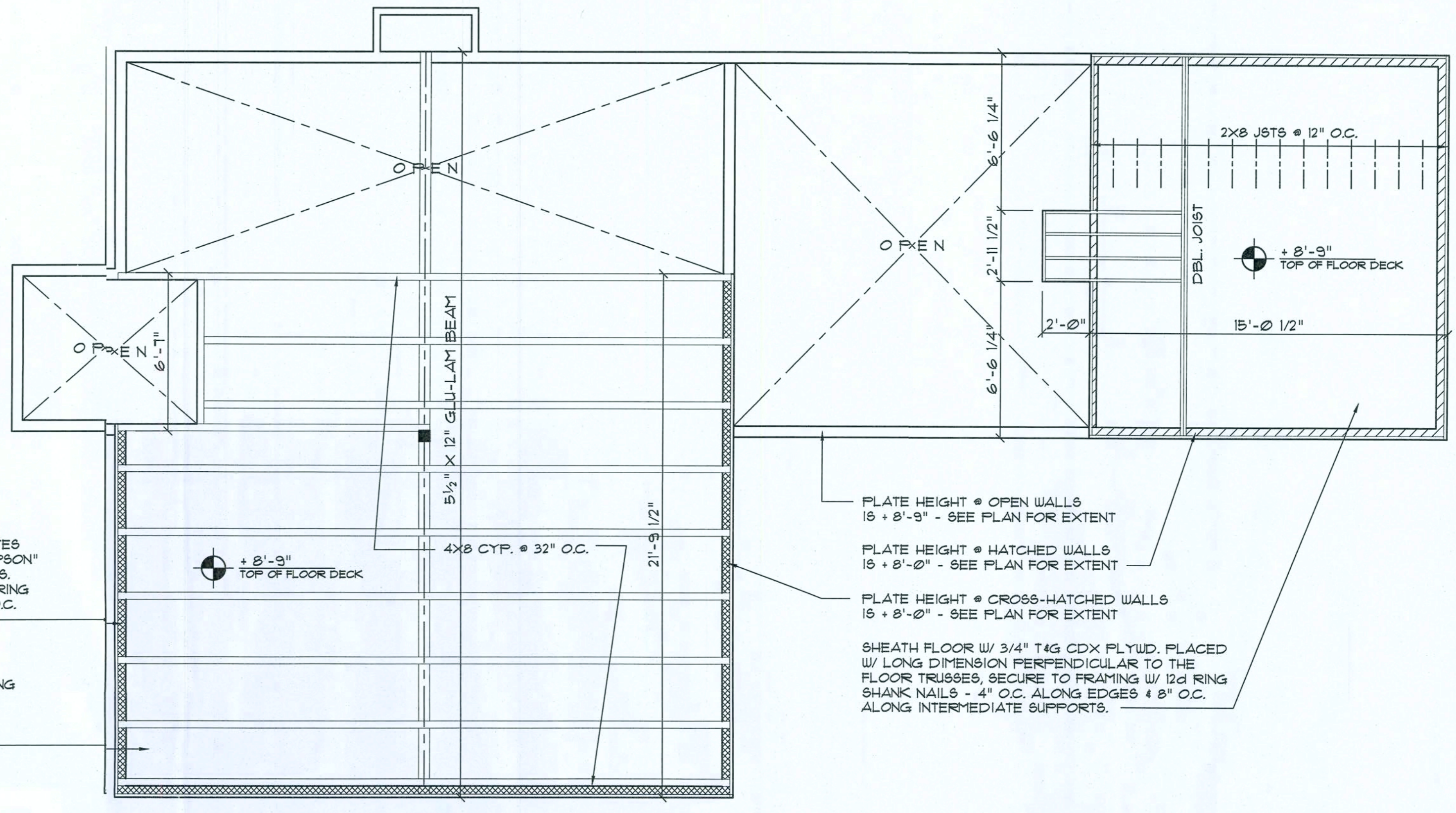
**Rafter/Joist Wiring DET.** (B)  
SCALE: 1 1/2" = 1'-0"



**Shear Wall DETAILS** (C)  
SCALE: NONE

- SHEARWALL NOTES:**
1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-01 SBC01 309.4.3.
  2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/8" OSB, 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 4" O.C. EDGES AND 8" 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 HEIGHTS FOR 8'-0" WALLS (7'-3").

OPENING WIDTH	SILL PLATES	1/2" 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"	(3) 2x4 OR (2) 2x6	3



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

CONSTRUCT EXTERIOR WALLS W/ 2 TOP PLATES & 1 SILL PLATE, 2X6 STUDS @ 16" O.C., & "SIMPSON" SPT STUD/SILL, SPT STUD/PLATE CONNECTORS. SHEATH WALL W/ 7/8" OSB, APPLIED W/ 2d RING SHANK NAILS @ 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS.

SHEATH FLOOR DECK W/ 2X6 VEE JT. DECKING PLACED PERPENDICULAR TO THE FRAMING, SECURE TO FRAMING W/ 12d RING SHANK NAILS - MIN 2 @ EA. JOIST, TYPICAL, INSTALL W/ VEE JOINT DOWN

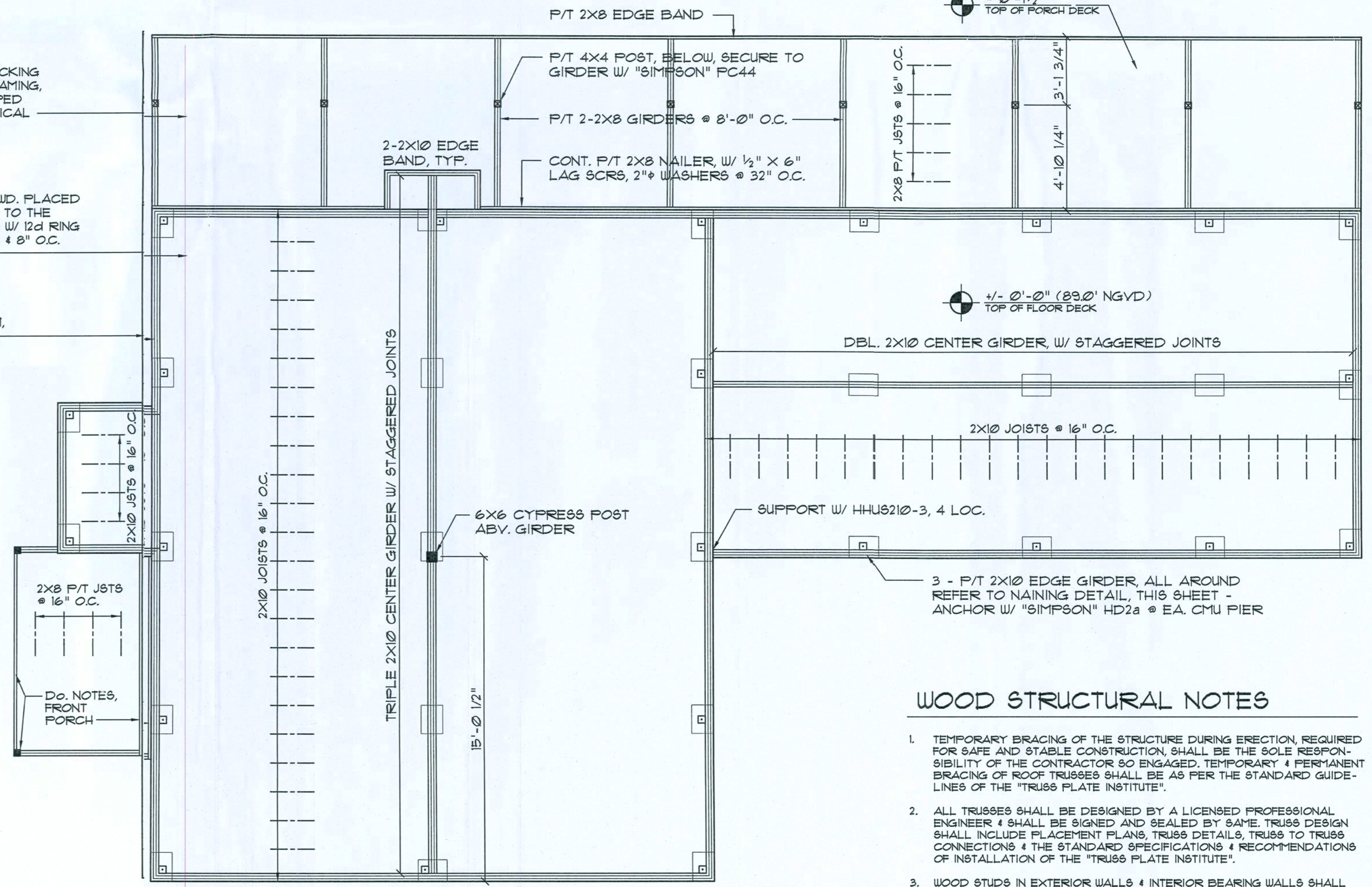
NOTE:  
SEE A.1 FOR JOINT CONNECTOR SCHEDULE

PLATE HEIGHT @ OPEN WALLS  
15' - 8'-9" - SEE PLAN FOR EXTENT

PLATE HEIGHT @ HATCHED WALLS  
15' - 8'-0" - SEE PLAN FOR EXTENT

PLATE HEIGHT @ CROSS-HATCHED WALLS  
15' - 8'-0" - SEE PLAN FOR EXTENT

SHEATH FLOOR W/ 3/4" T&G CDX PLYWD. PLACED W/ LONG DIMENSION PERPENDICULAR TO THE FLOOR TRUSSES, SECURE TO FRAMING W/ 12d RING SHANK NAILS @ 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS.



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

**WOOD STRUCTURAL NOTES**

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACINGS OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN #2 HEM-FIR OR BETTER.
4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL, AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

REVISION:  
Copyright 2014  
N.P. Geisler, Architect  
DRAWN:  
198

CUSTOM RESIDENTIAL DESIGN for:  
**MR & MRS. S. HAIR**  
COLUMBIA COUNTY, FLORIDA  
**FLOOR FRAMING PLANS**

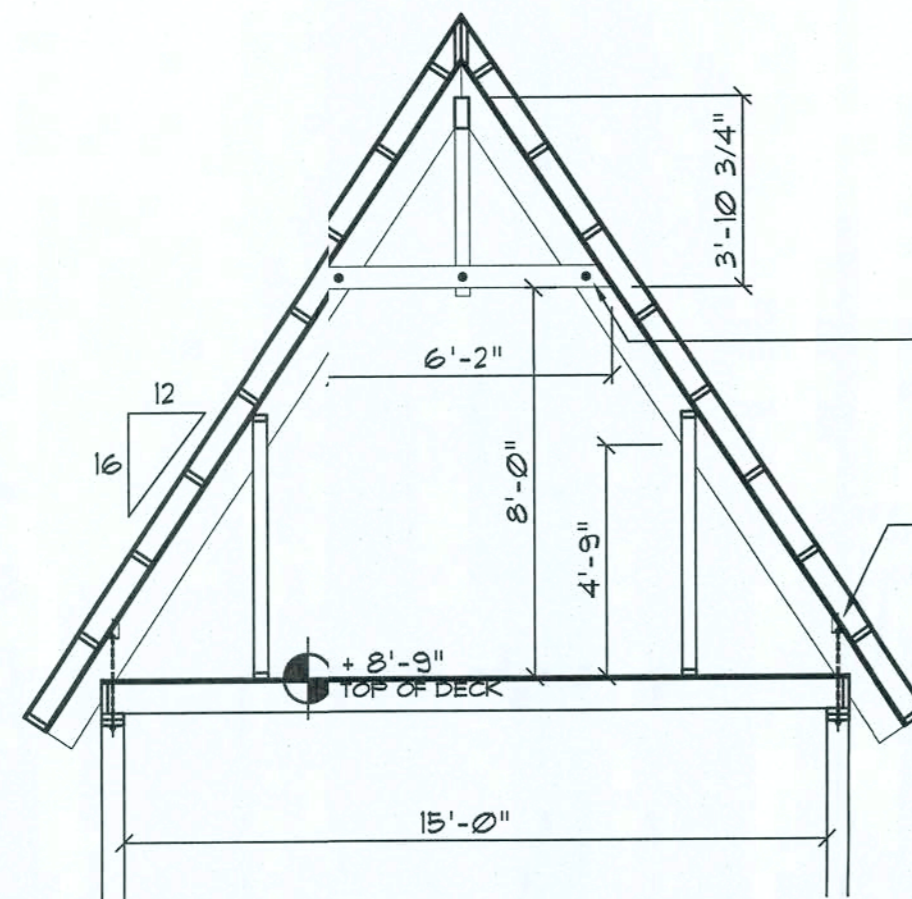
California State License  
42 Years of Service  
1972 - 2014  
N.P. Geisler, Architect  
N.C.A.R.B. Certified

**NS**  
NICHOLAS PAUL GEISLER ARCHITECT  
1768 NW Brown Rd.  
Lafayette, FL 32085  
386-365-4365

DATE:  
21 JULY 2014  
COMM:  
2K1443

SHEET  
A.9  
9 OF 11

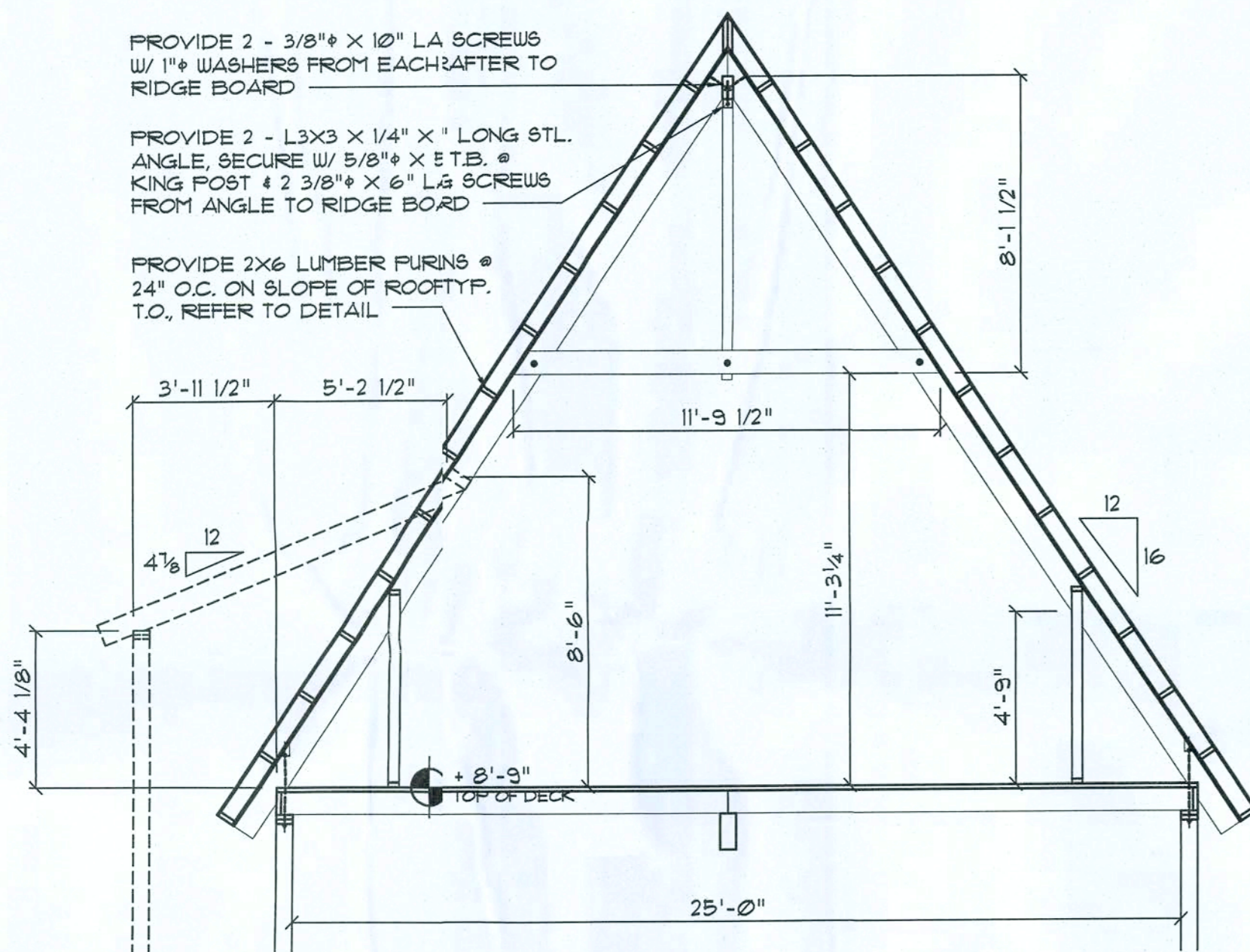
AR0007005



**ROOF SEC. @ MASTER BATH**

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

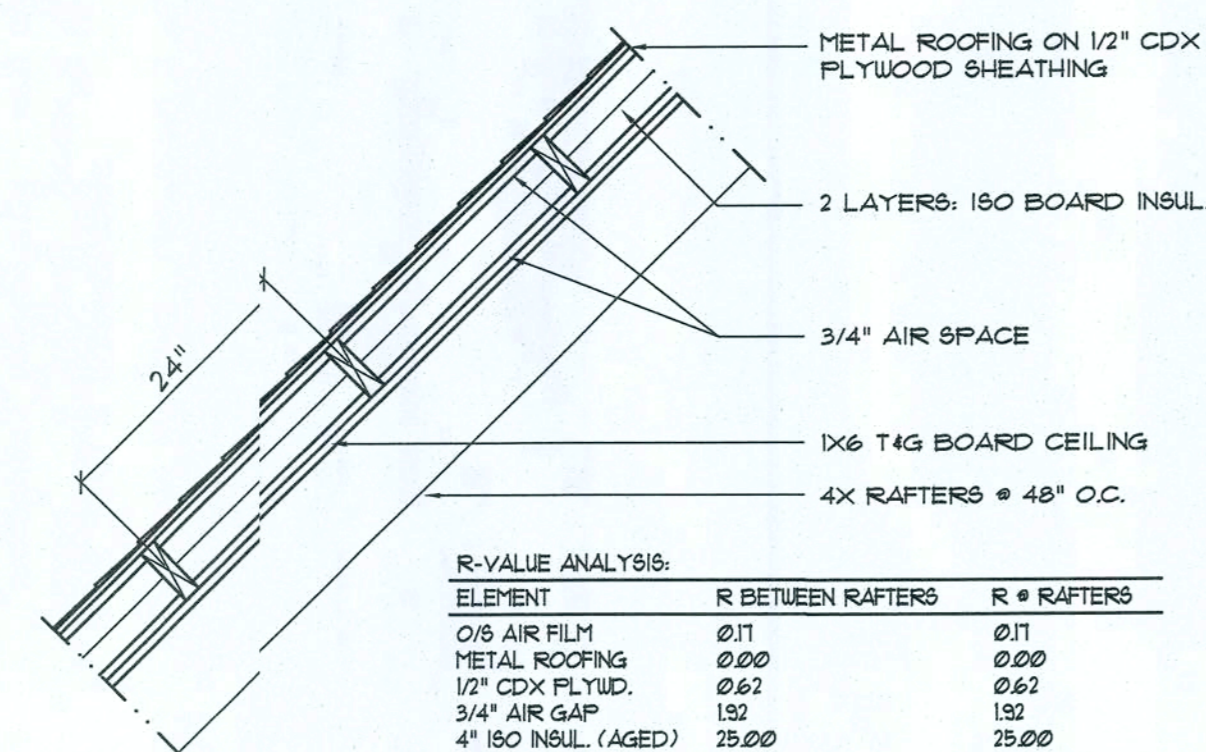
**B**



**ROOF SEC. @ LIVING AREA**

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

**A**



R-VALUE ANALYSIS:

ELEMENT	R BETWEEN RAFTERS	R @ RAFTERS
0/5 AIR FILM	0.17	0.17
METAL ROOFING	0.02	0.02
1/2" CDX PLYD.	0.62	0.62
3/4" AIR GAP	1.52	1.52
4" ISO INSUL. (AGED)	25.00	25.00
3/4" AIR GAP	1.52	1.52
1x6 PINE CEILING	0.34	0.34
1/8 AIR FILM	0.62	0.62
4x8 RAFTERS	-	8.25
<b>ASSEMBLY "R" VALUE:</b>	<b>31.9</b>	<b>39.44</b>

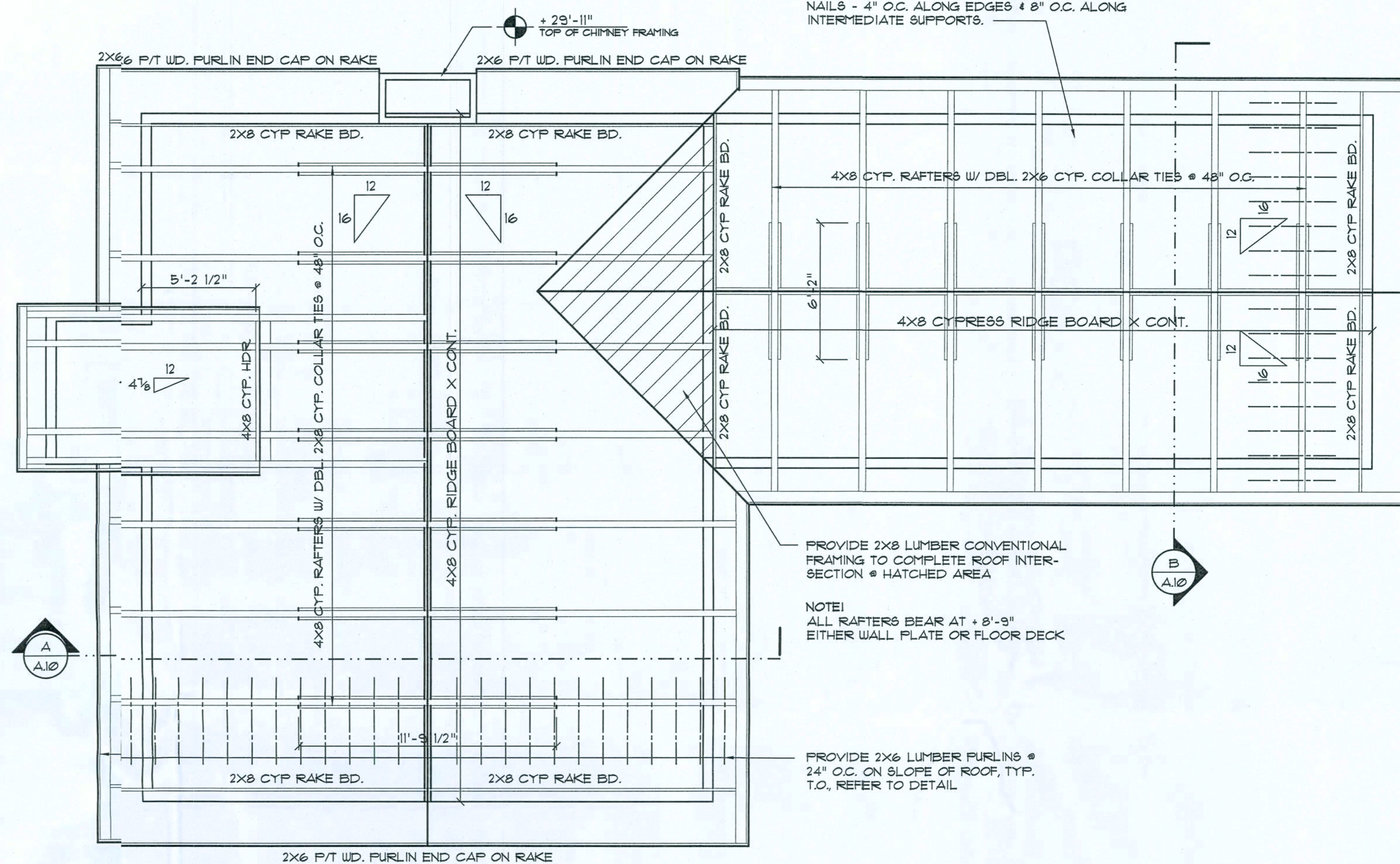
Uo = 0.129/39.44 + 0.171/31.9 + 0.0205 + 0.0372 + 0.0351  
 Ro = 1/10 + 1/29.51 + 3/16 + AVERAGE "R" VALUE OF ASSEMBLY

ASSUMPTIONS:  
 WINTER HEAT FLOW UP  
 45° ROOF ANGLE, OR GREATER  
 FRAMING FACTOR: 35/45 + 0.129 (4x8 @ 48" O.C.)

**ROOF ASSEMBLY INSUL. R-VALUE**

SCALE: 3/4" = 1'-0"

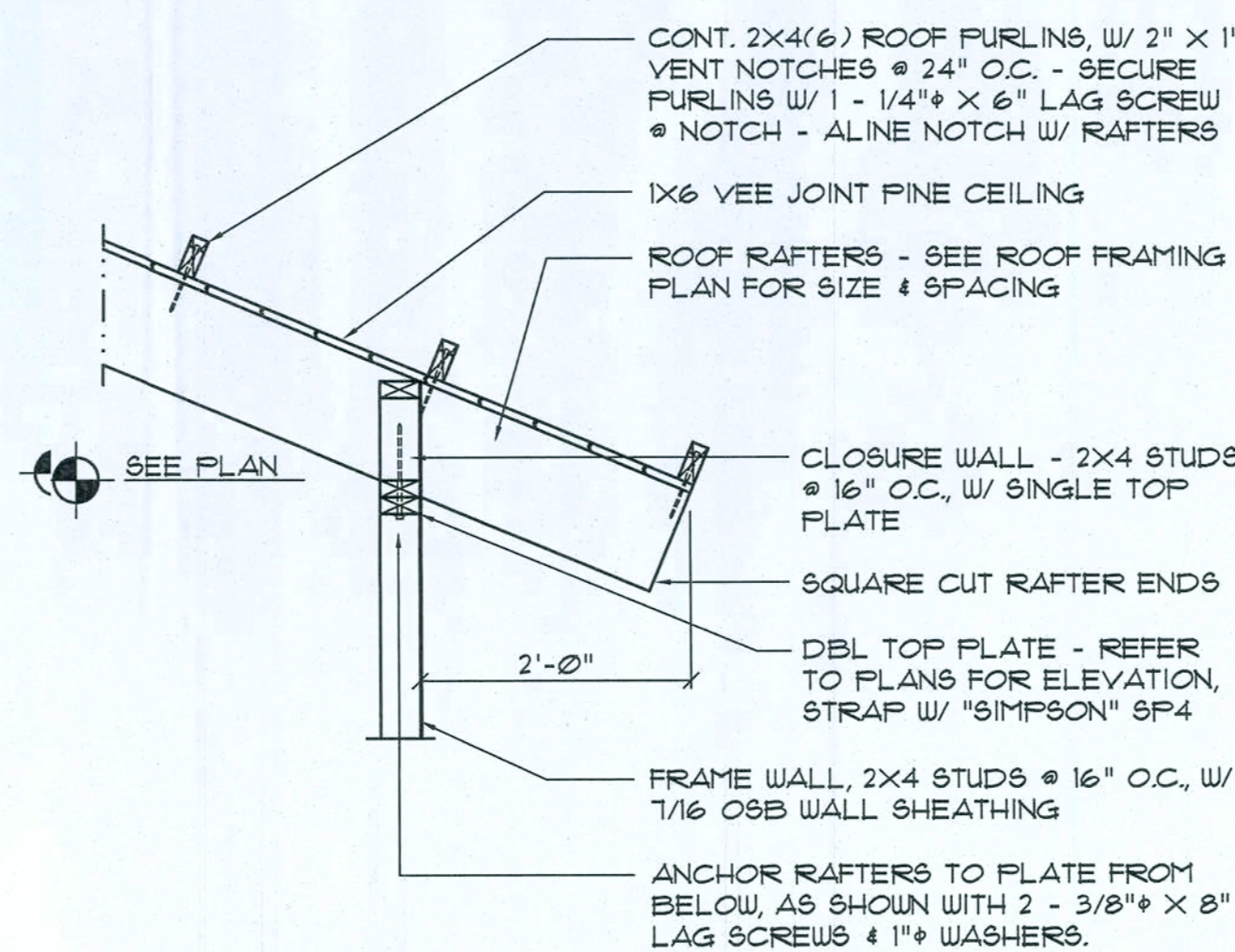
**C**



**Roof Framing PLAN**

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

NOTE:  
 ALL WALLS TO SERVE AS TYPE 2 SHEAR WALLS  
 REFER TO DETAIL C/A3

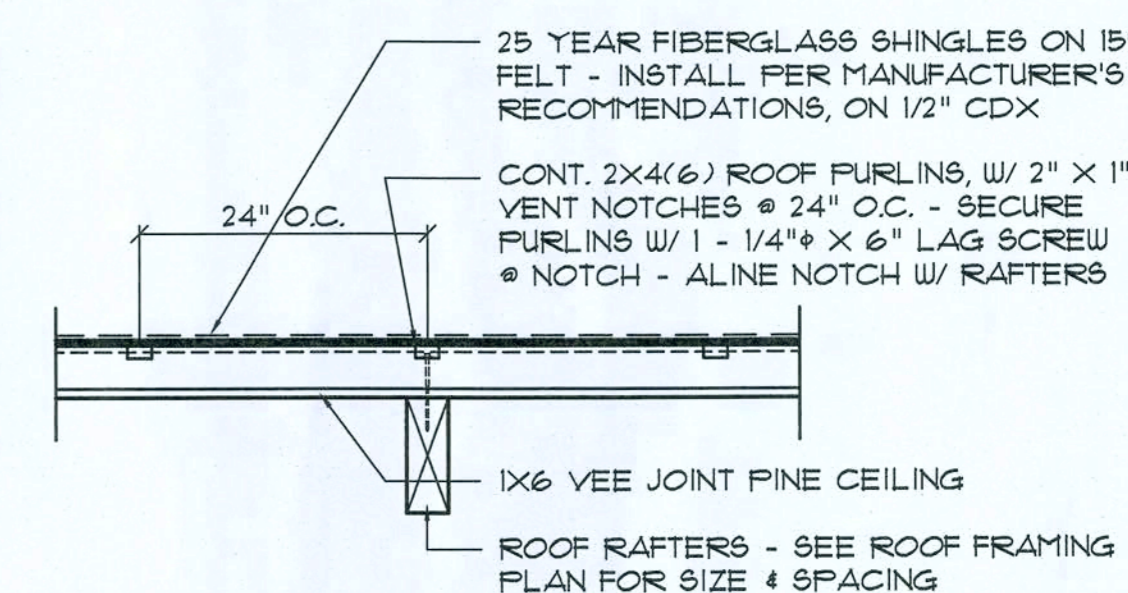


**Rafter DET. SHED DORMER**

SCALE: 3/4" = 1'-0"

**D.1**

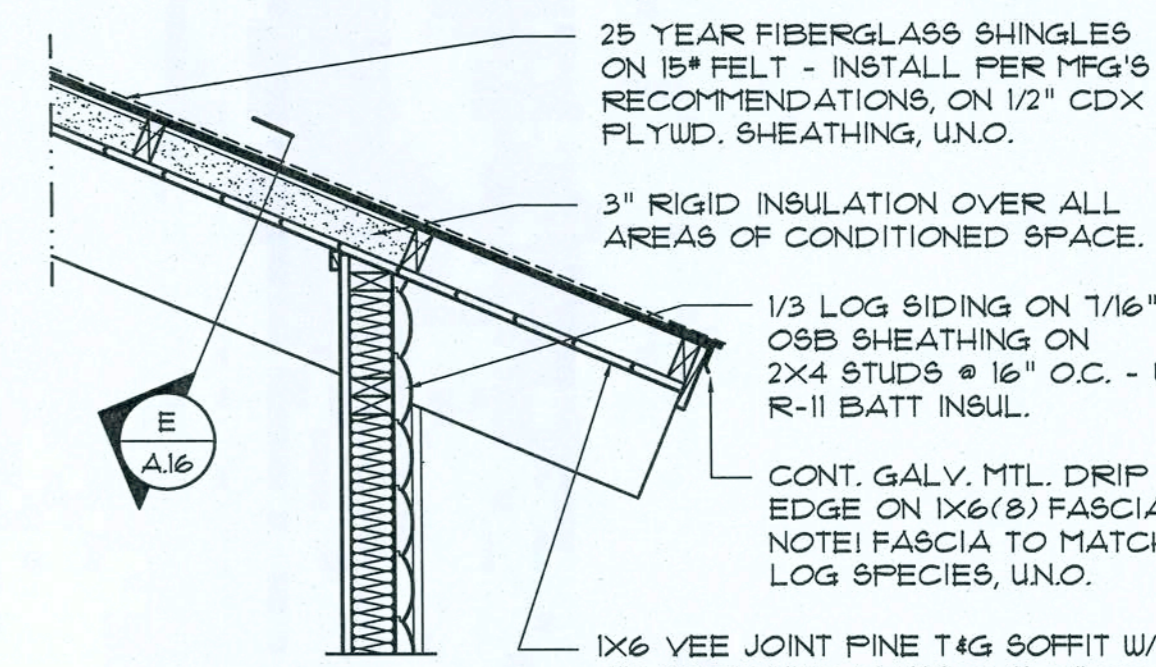
NOTE!  
 INSTALL 1x6 VEE JOINT CLG DECK OVER RAFTERS  
 W/ VEE JOINT DOWN, USE 3 - 8d NAILS AT EACH  
 RAFTER - INSTALL PURLINS PERPENDICULAR TO  
 MAIN RAFTERS W/ NOTCHED EDGE UP USING 1/4" LAG  
 SCREWS - 1 EACH RAFTER CROSSING, 2 @ EA.  
 GABLE END WALL, TYPICAL T.O.  
 SHEATH ROOF W/ 5/8" CDX PLYWOOD PLACED  
 W/ LONG DIMENSION PERPENDICULAR TO THE  
 ROOF PURLINS, SECURE TO FRAMING W/ 10d  
 NAILS @ 4" O.C. ALONG EDGES & 8" O.C. ALONG  
 INTERMEDIATE SUPPORTS.



**Purlin DETAIL**

SCALE: 3/4" = 1'-0"

**E**



**Rafter DET. SHED DORMER**

SCALE: 3/4" = 1'-0"

**D.2**

NOTE!  
 ALTERNATE INTERIOR FINISHES INCLUDE 1/2" GWB, 1x6 VEE JOINT  
 PINE PANELING OR SIMILAR MATERIALS, AS DIRECTED BY OWNER

REVISION

Copyright: 2014  
 N.P. Geisler, Architect

DRAWN:  
 198

CUSTOM RESIDENTIAL DESIGN for:  
**MR & MRS. G. HAIR**  
 COLUMBIA COUNTY, FLORIDA  
**ROOF PLAN**

Celebrating  
 42 Years of Service

1972 - 2014  
 N.P. Geisler, Architect  
 N.C.A.R.B. Certified

**NICHOLAS  
 GEISLER  
 ARCHITECT**  
 1758 NW Browardway  
 32808-3524-4358

DATE:  
 21 JULY 2014

COMM:  
 2K1443

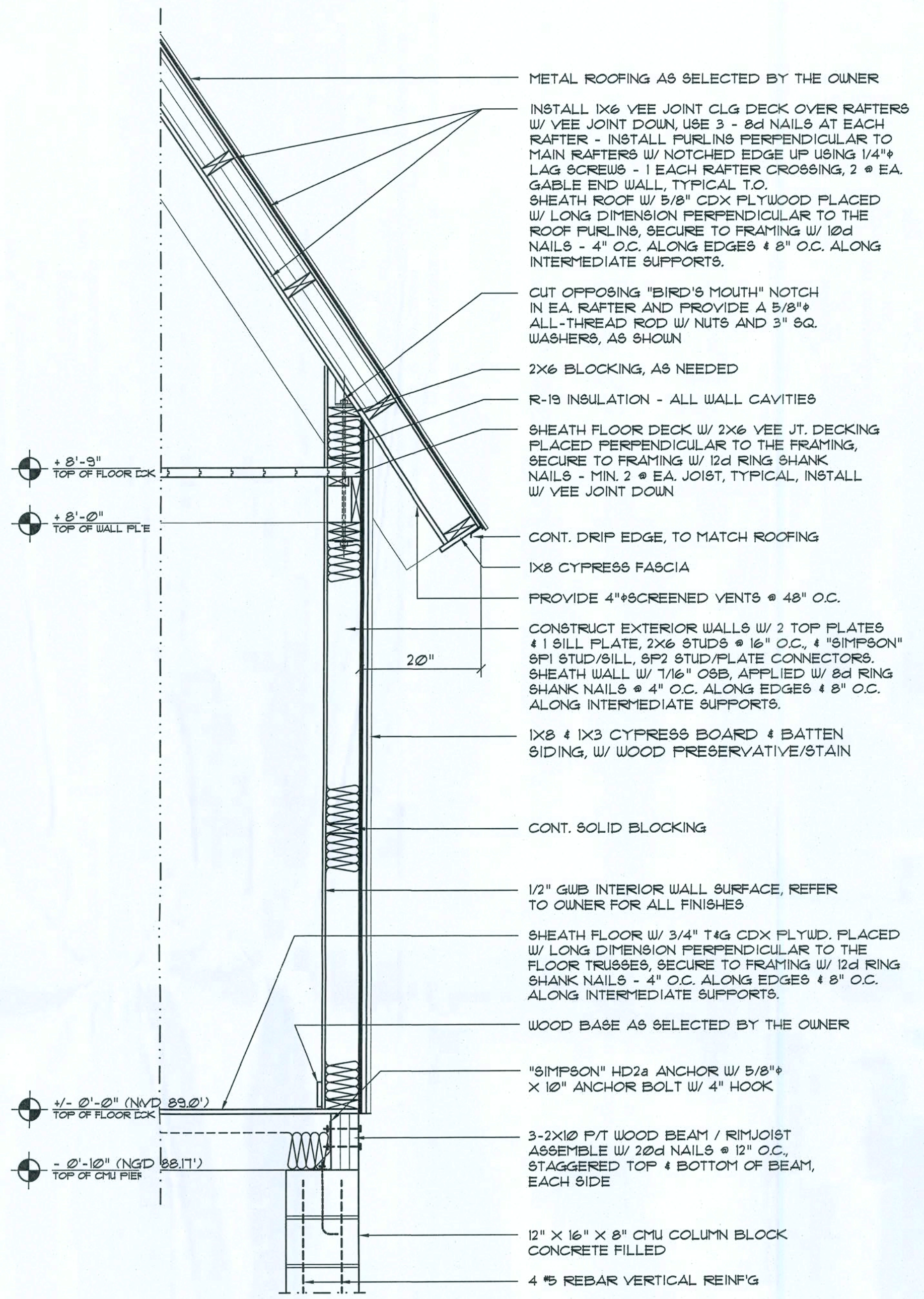
SHEET:  
 A.10  
 10 OF 11

AR0007005

These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use or incorporated within any other job without specific and individual authorization by the architect.

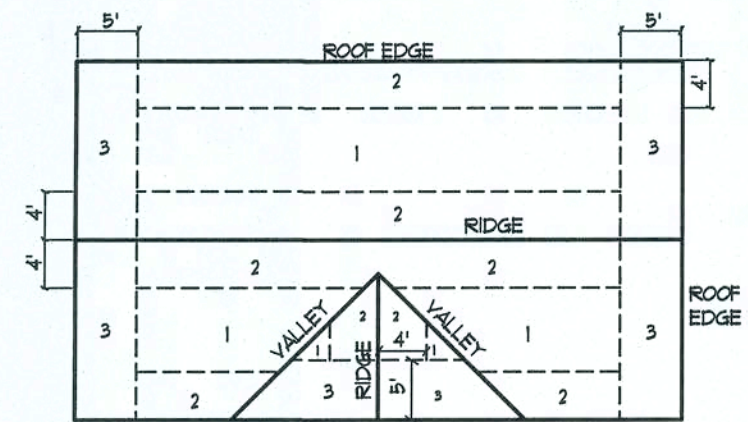
Field "As-Built" Notes

These drawings, or instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use on or incorporated within any other job without specific and individual authorization by the architect.

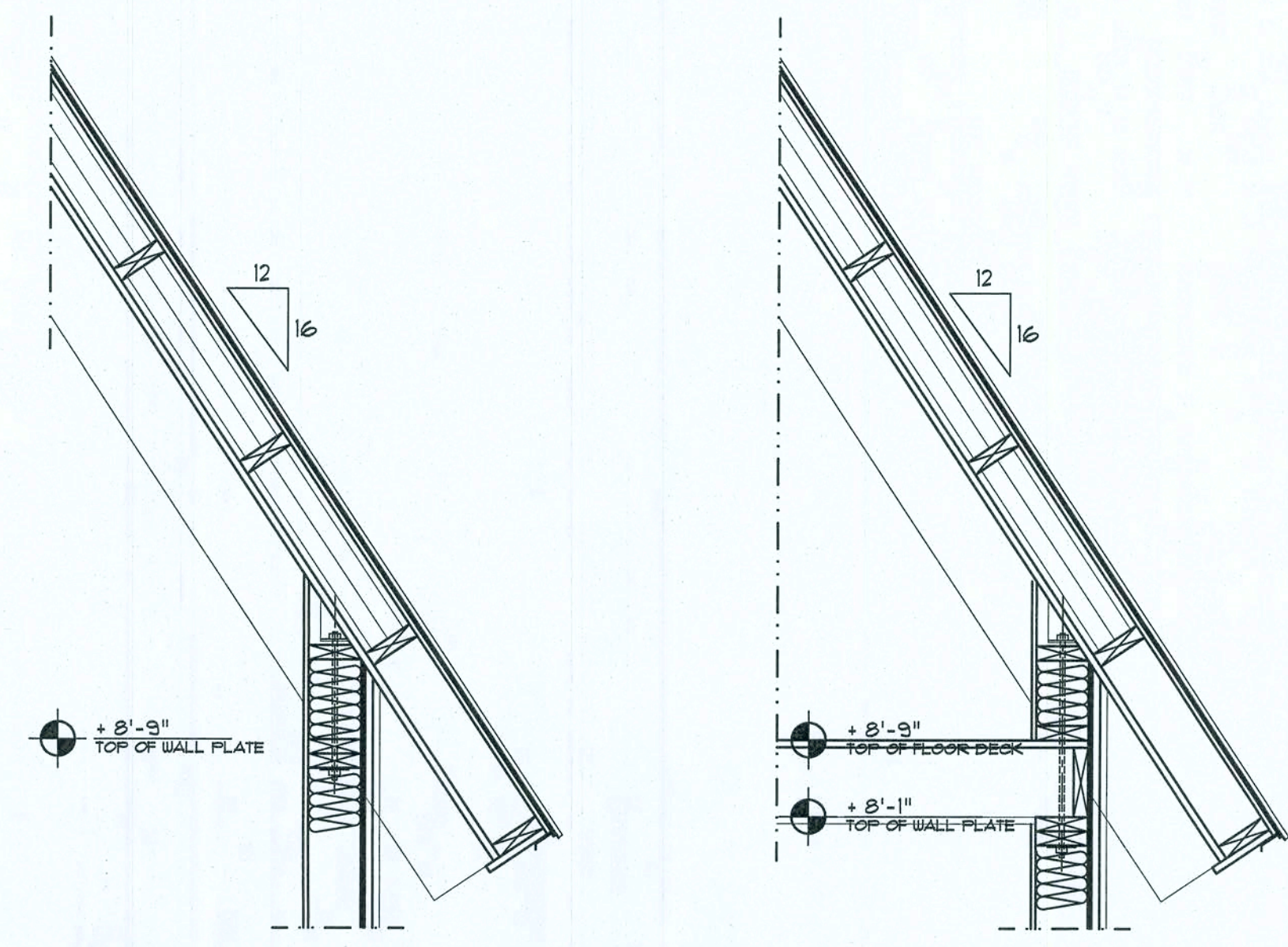


**WALL SECTION**  
SCALE: 3/4" = 1'-0"

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1		8d COMMON OR 8d HOT DIPPT GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2	1/2" OSB OR 5/8" CDX		6 in. o.c. EDGE 6 in. o.c. FIELD
3		4 in. o.c. GABLE ENDWALL OR GABLE TRUSS @ 6 in. o.c. EDGE 6 in. o.c. FIELD	

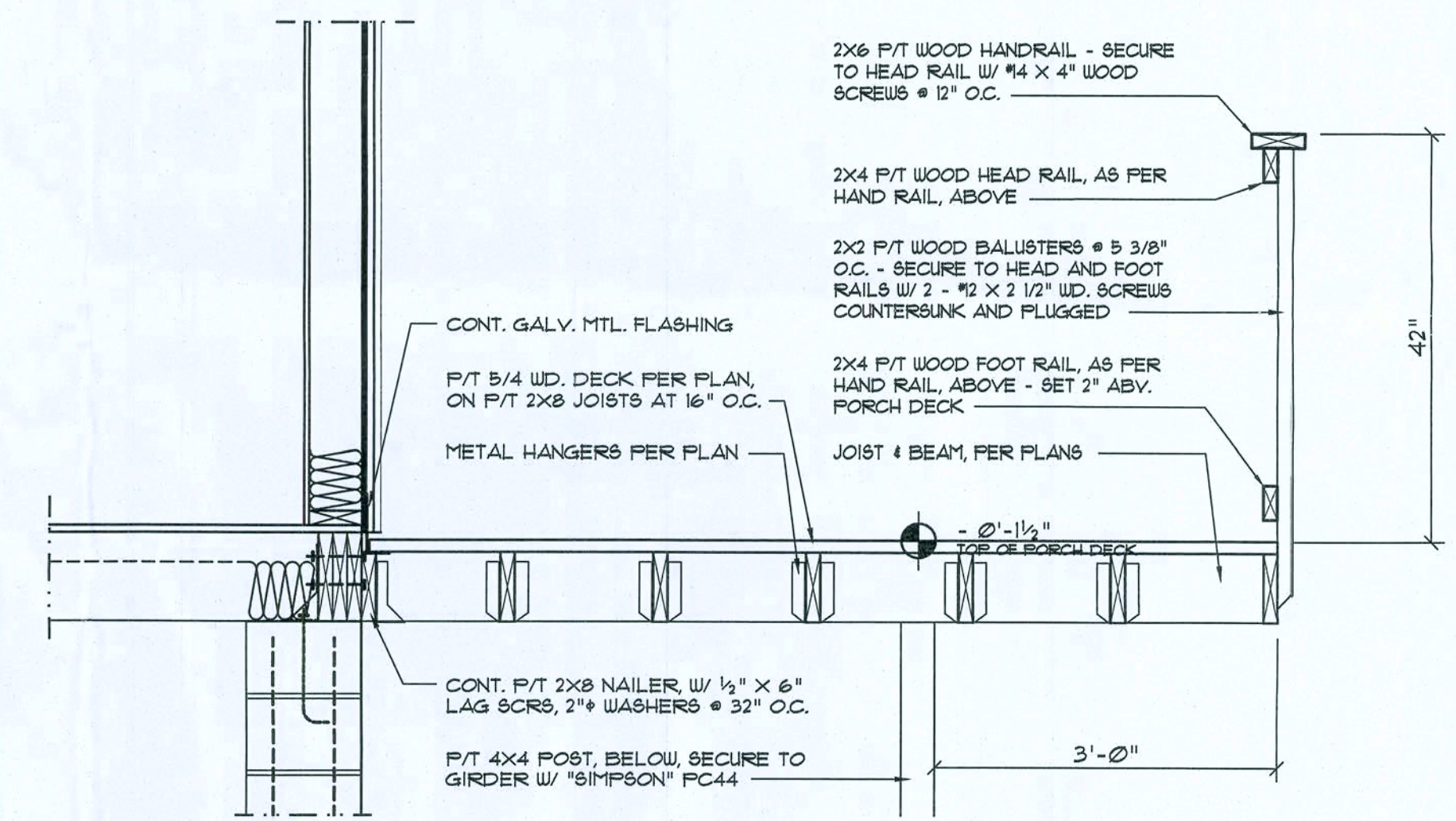


**Nail Pattern DET.**  
SCALE: NONE



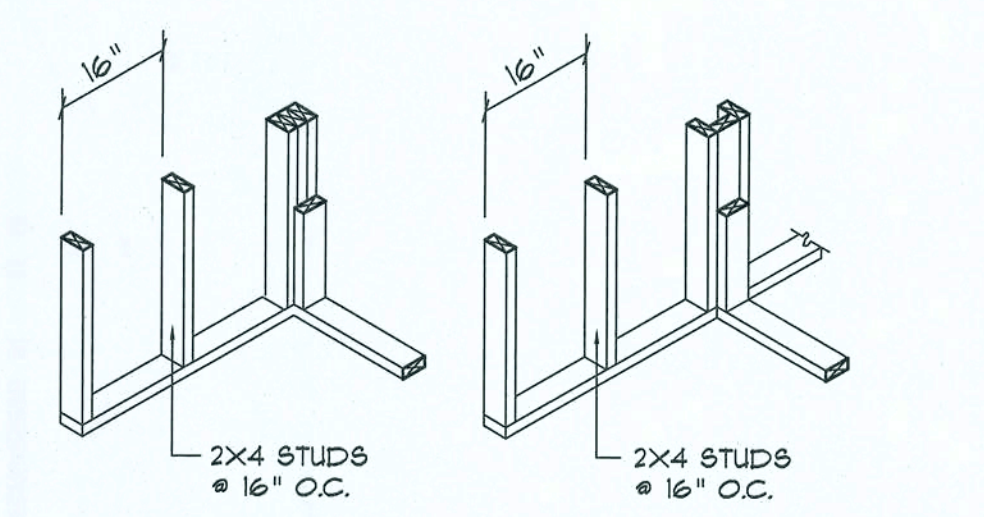
**SEC. @ OPEN CLG AREAS**  
SCALE: 3/4" = 1'-0"

**SEC. @ PYT. LOFT AREA**  
SCALE: 3/4" = 1'-0"

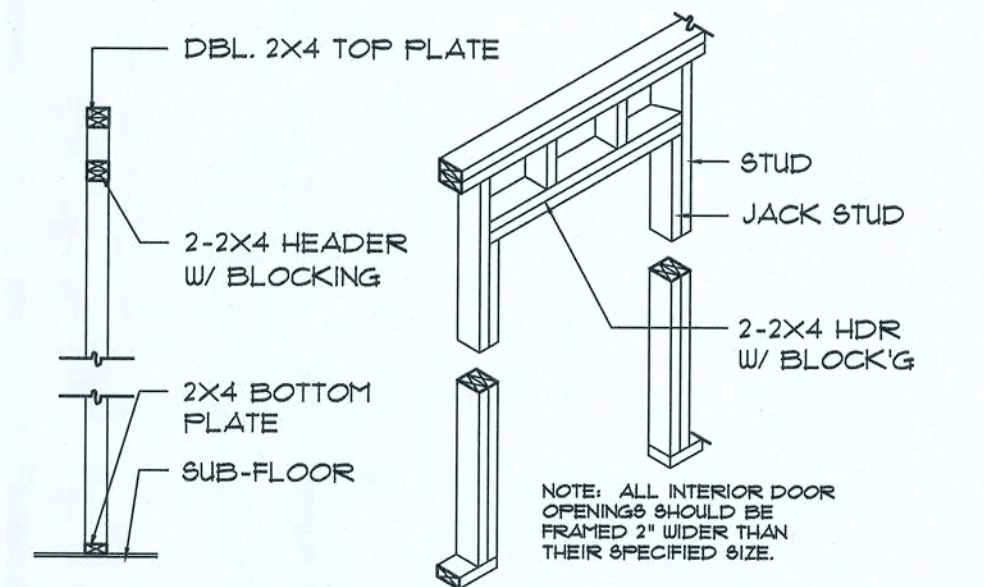


**SECTION @ PORCH**  
SCALE: 3/4" = 1'-0"

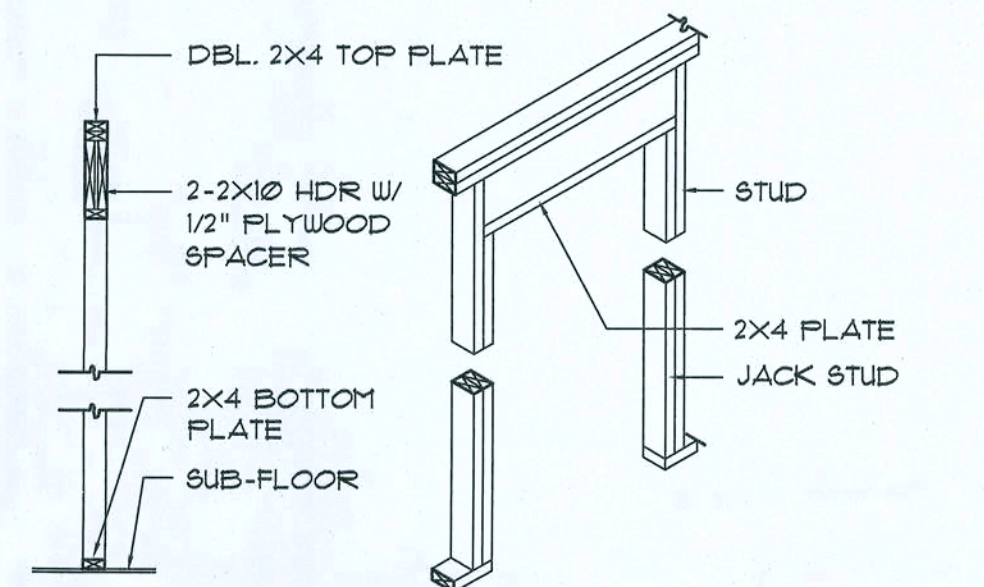
HEADER SPANS FOR EXTERIOR BEARING WALLS							
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)					
		20'		28'		36'	
		SPAN	* JACKS	SPAN	* JACKS	SPAN * JACKS	
ROOF, CEILING	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1
4-2x12	14'-1"	1	12'-2"	2	10'-11"	1	



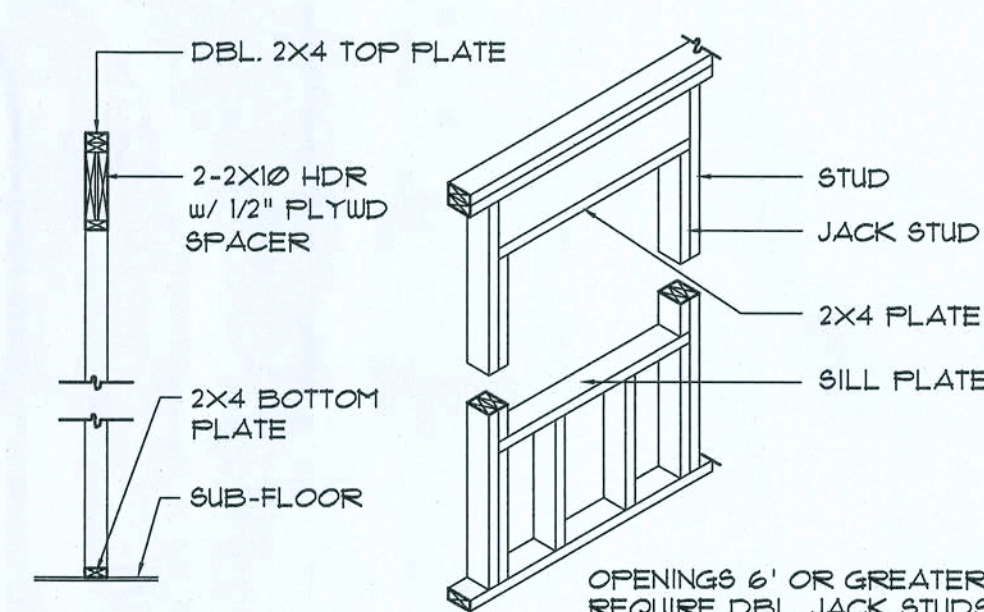
**WALL CORNER**    **WALL INTERSECTION**



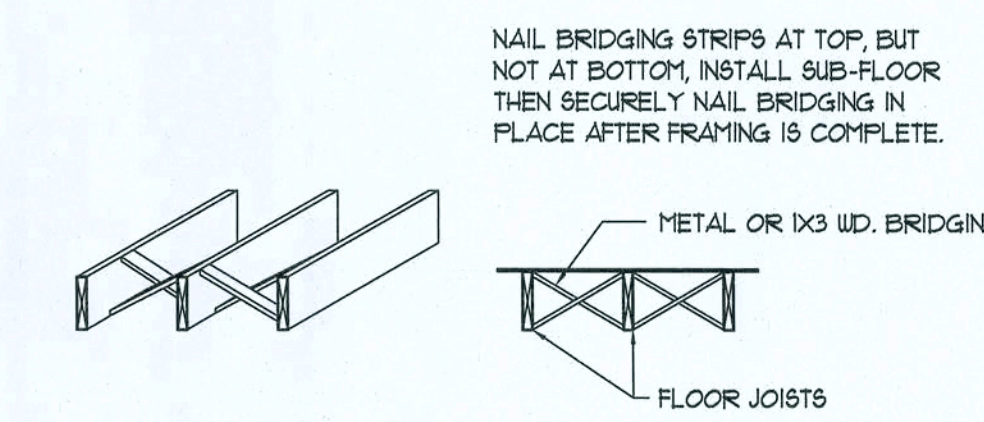
**NON-BEARING WALL HEADER**



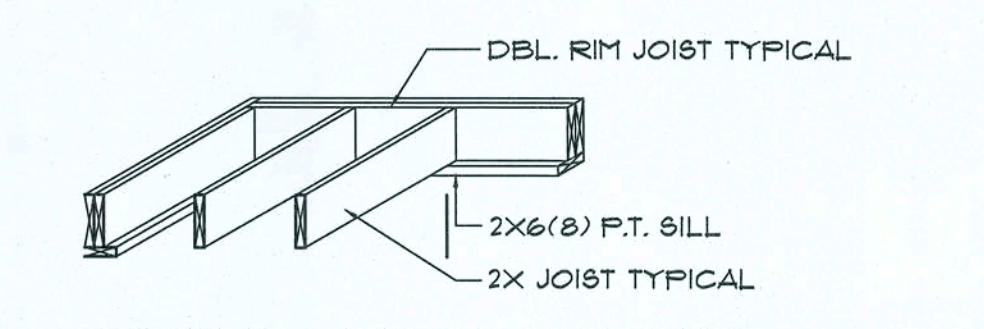
**BEARING WALL HEADER**



**TYPICAL WINDOW HEADER**



**TYPICAL CROSS BRIDGING**  
NOTE: ALTERNATE BRIDGING MAY BE ACCOMPLISHED W/ SECTIONS OF FLOOR JOIST MATERIAL PLACED PERPENDICULAR TO JOISTS, STAGGERED ALONG THE LINE OF BRIDGING.



**TYPICAL 1st FLOOR FRAMING**  
NOTE: SEE PLANS FOR SIZE & SPACING

REVISION

Copyright 2014  
N.P. Geller, Architect

DRAWN:  
RSG

CUSTOM RESIDENTIAL DESIGN for:  
**MR & MRS. S. HAIR**  
COLUMBIA COUNTY, FLORIDA

WALL SECTIONS and STRUCTURAL DETAILS

Calculating  
42 Years of Service

1972-2014  
N.P. Geller, Architect  
N.C.A.R.B. - Certified

**NICHOLAS PAUL GEISLER ARCHITECT**  
N.C.A.R.B. - Certified

1758 NW Brown Rd.  
Lake City, FL 32055  
386-365-0355

DATE:  
21 JULY 2014

COMM:  
2K443

SHEET:  
A.11  
11 of 11

*As-Built*  
25 July 2014

AR0007005