

A Custom Log Home for :
Loyce J. Barnard
Columbia County, Florida

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FILE COPY

Handwritten signature and date: 1/24/07

REVISION:

DRAWN:

KEB

REVIEWED:

GJG

Custom Log Home for:
Loyce J. Barnard
Columbia Co., FL

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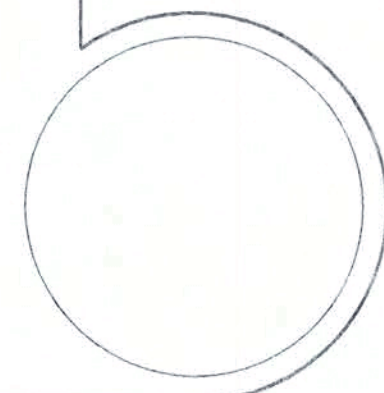
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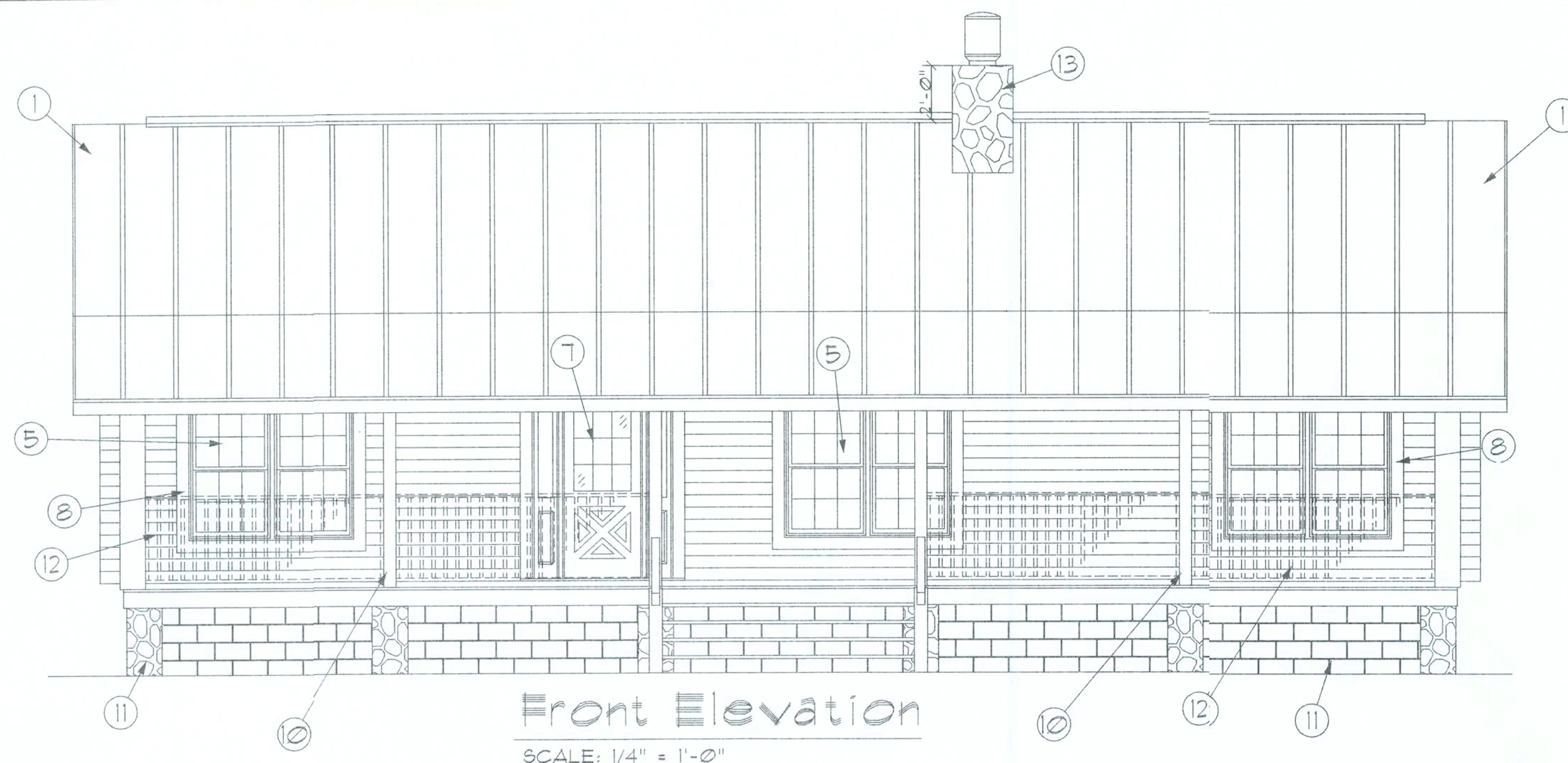
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S.R.L.H., INC. PLANS ARE DESIGNED BASED ON THESE LUMBER GRADING SPECIFICATIONS.

LOG WALLS: TIDEWATER RED & YELLOW CYPRESS OR WESTERN RED CEDAR

DIMENSIONAL LUMBER: FLOOR FRAMING, WALL FRAMING, BEAMS & GIRDERS SHALL BE #2 SOUTHERN YELLOW PINE 4 BETTER OR #2 HEM-FIR 4 BETTER

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

MANUFACTURED LUMBER: SHALL BE GLU-LAM BEAMS OR 20E LVL.

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

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

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

BUILDING CODE: FLORIDA BUILDING CODE 2004

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - 2003

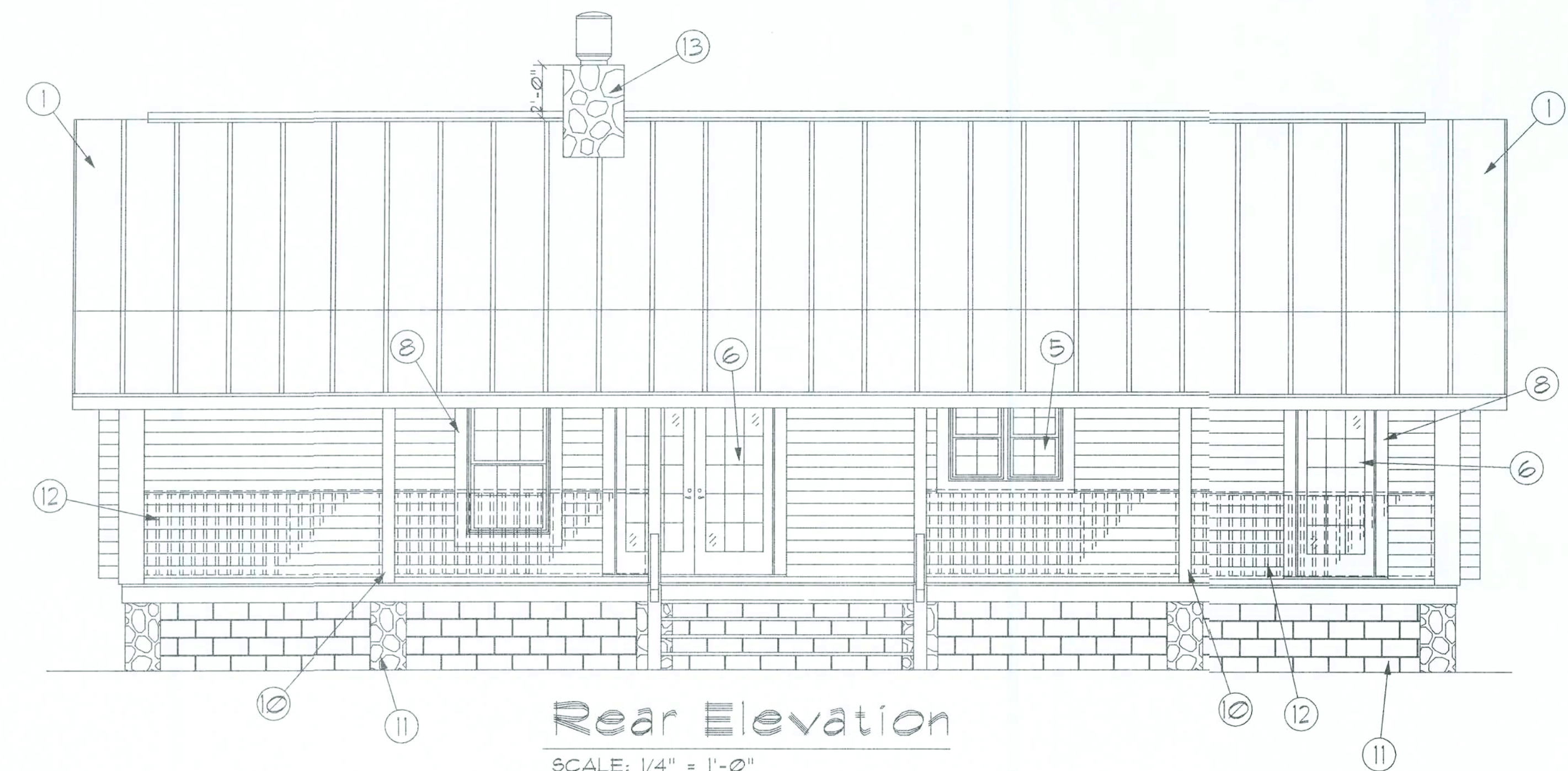
LIFE SAFETY: NFPA-101 - LATEST

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 OFF 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.



CONSTRUCTION NOTES

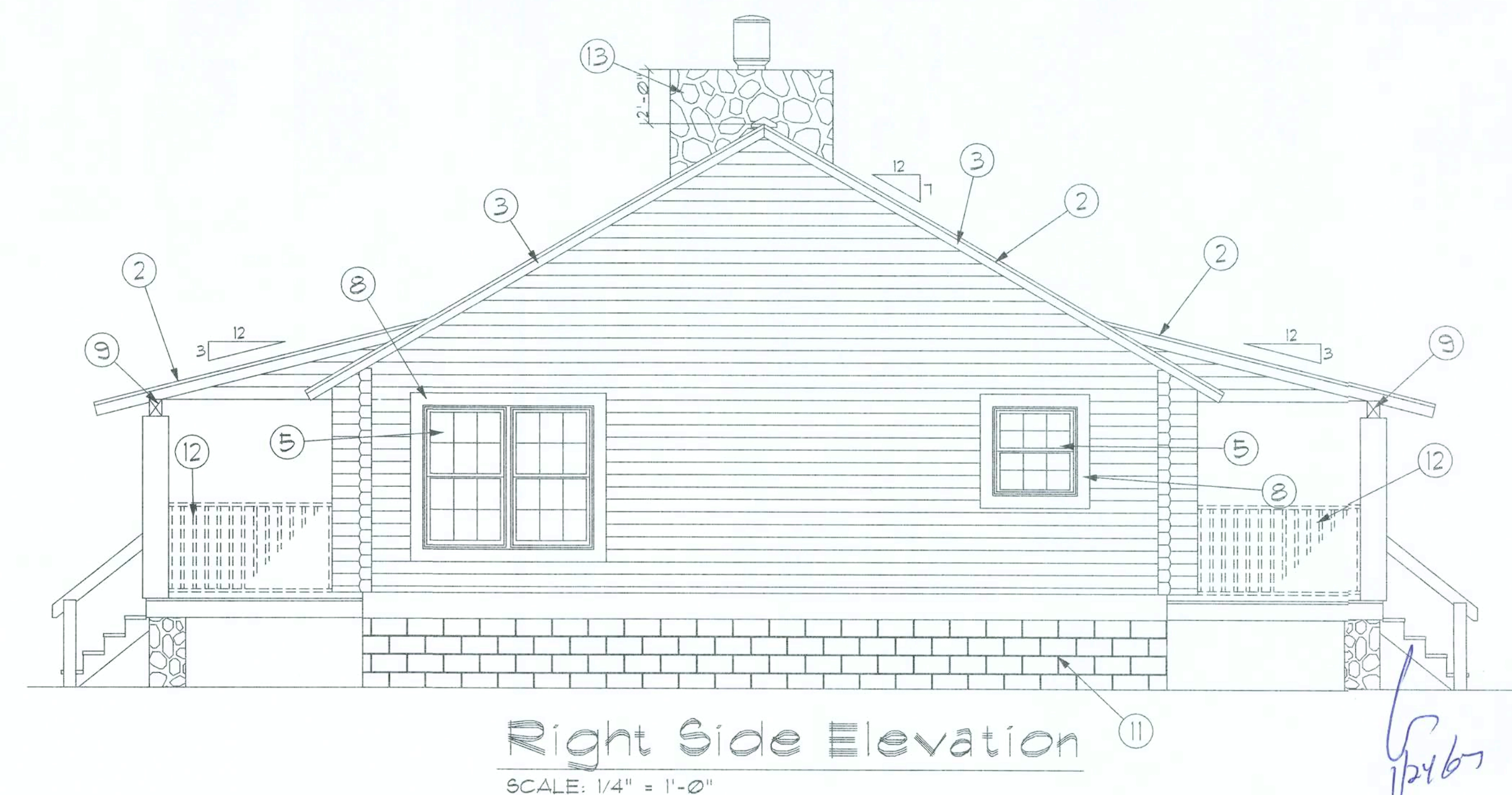
1. FIELD VERIFY ALL DIMENSIONS AND MATERIALS. ALL OUTSIDE DIMENSIONS ARE TO FACE OF RIM JOIST.
2. ALL NAILING CONSTRUCTION MATERIALS SHALL BE AS PER FBC - 2004
3. PROVIDE EXTERIOR COMBUSTION AIR TO GAS FIRED H.V.A.C. EQUIPMENT, WOOD BURNING STOVES, AND FIREPLACES.
4. VENT CLOTHES DRYER, BATH, AND COOKING FANS TO EXTERIOR AS REQUIRED.
5. CONTRACTOR SHALL CALL ATTENTION TO THE OWNER ANY DISCREPANCIES IN DRAWINGS AND/OR SPECIFICATIONS AND SHALL RECEIVE INSTRUCTIONS OR CLARIFICATIONS BEFORE PROCEEDING WITH THE PORTION OF THE WORK IN QUESTION.
6. ROOF & FLOOR TRUSS FRAMING PLANS ARE FOR GENERAL INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL PROVIDE A DETAILED LAYOUT FOR TRUSS AND FRAMING MEMBERS.
7. 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 S.R.L.H. RECOMMENDED BUILDING PROCEDURES, CALL IMMEDIATE ATTENTION TO SUCH CONDITIONS BEFORE PROCEEDING.
8. LP GAS-BURNING APPLIANCES ARE NOT PERMITTED IN BASEMENTS OR CRAWLSPACES.
9. DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS ONLY.
10. DUE TO THE AVAILABILITY OF MATERIALS, S.R.L.H., INC. RESERVES THE RIGHT TO SUBSTITUTE MATERIAL SHOWN ON PLANS FOR A COMMENSURATE MATERIAL WHICH IS IN COMPLIANCE WITH SAFETY AND BUILDING CODE REQUIREMENTS.

GENERAL NOTES:

- | | |
|--|--|
| 1 FINISH ROOFING AS SELECTED BY OWNER | 8 1X6 CYPRESS TRIM, AT ALL DOORS & WINDOWS, TYPICAL T.O. |
| 2 MTL. FLASHING ON 1X FASCIA | 9 6X8 CYP. PORCH BEAM |
| 3 2X BARGE RAFTER - SEE PLANS FOR SIZE | 10 6X6 CYP. PORCH POSTS |
| 4 LOG SIDING TO MATCH LOG WALLS | 11 MASONRY FOUNDATION - REFER TO PAGE A4 FOR DETAILS |
| 5 DBL. HUNG WOOD WINDOWS W/ DBL. GLAZING | 12 2X4 CYPRESS RAILING - SEE A8 FOR DETAILS |
| 6 WOOD FRENCH ENTRY DOORS | 13 PREFAB METAL FIREPLACE - SEE A5 FOR DETAILS |
| 7 WOOD CROSSBUCK ENTRY DOORS | |

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 301, FLORIDA BUILDING CODE, 2004 EDITION.

BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MAIN WIND FORCE RESISTANCE DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: - 19.2 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADDING PER TABLE 3012(2) (FBC 2004)	OPNGS: + 21.8 / - 23.1 PSF EAVES: - 28.3 PSF ROOF: + 19.9 / - 25.4 PSF



REVISIONS

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KEB

REVIEWED

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ELECTRICAL PLAN NOTES

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

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

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

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

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

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP 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 N°. 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.

ALL BEDROOM RECEPTACLES SHALL BE ON AFCI PROTECTED CIRCUITS

SMOKE DETECTOR REQUIREMENTS

SMOKE DETECTORS (SUPPLIED 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 DISCONNECTING SWITCHES. SMOKE DETECTORS TO BE AN APPROVED TYPE IN ACCORDANCE WITH THE IRC 2001 AND NEC 1993.

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.

NOTE:
ALL GLASS IN DOORS SHALL BE TEMPERED.

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 DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE:
MOUNT CU & AHU ON 4" THK CONC. PAD, SIZED TO EXTEND 4" BEYOND EQUIPMENT, ALL AROUND. SECURE EQUIPMENT W/ STL. STRAPS & TEC SCREWS @ EACH CORNER. REINF. SLAB W/ 6X6 10/10 WM.

NOTE:
PROVIDE TURNING VANES @ DUCT TURNS & ADJ. EXTRACTORS @ ALL BRANCH DUCT TAPS

PLUMBING "AS-BUILT" DRAWINGS
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 DUGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

ELECTRICAL COMPUTATIONS

General Lighting/Receptacles @ 3w/sf
1500.00 sf x 3w = 4500.0w
Washer Circuit 1500.0w
Dishwasher Circuit 1500.0w
Sm. Appliance Circuits (3 @ 1500w) 4500.0w

Sub-Total 12000.0w
1st 3KW @ 100% 3000.0w
Bal. of KW @ 35% 3150.0w

Fixed Appliances:
Refrigerator 1200.0w
Clg. Fans (4 @ 200w) 800.0w
Sump Pump 1200.0w
Water Well Pump 1200.0w
Pool Pump (future) 1200.0w
EWH 4500.0w
Spares (8 @ 400w) 3200.0w

Sub-Total 13300.0w
Load @ 75% DF. 9975.0w

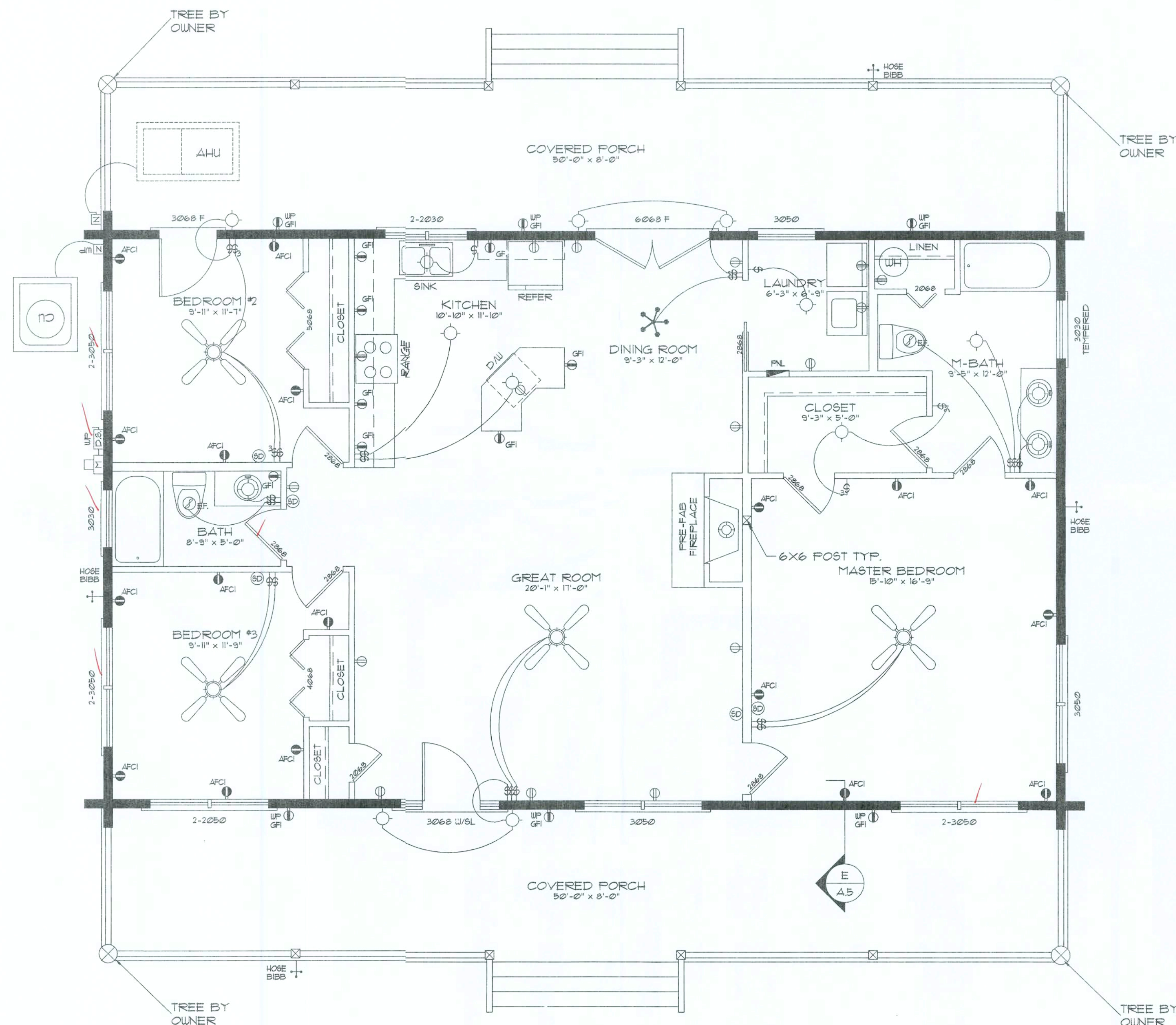
100% Demand Factor Loads:
Dryer 5000.0w
Range 8000.0w
Oven 8000.0w
HVAC System (40T Heat Pump) 4800.0w

Total Demand Load: 41925.0w

FEEDER SIZE: 41925.0w / 240v = 174.69 amperes
USE: 3 #2/0 THW w/ 1 # Cu GND / 2 1/2" C.
PANEL: 200A - MLO - 120/240V - 1# - 4 WIRE

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 SUBCONTRACTORS 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 LIEN" 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.
- ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO SRH, INC. IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
- ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABELS LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
- ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- LOG WALLS SHALL BE ASSEMBLED IN ACCORDANCE WITH A3 DETAILS FOUND IN THESE CONSTRUCTION DOCUMENTS, ALONG WITH THE AFFLIGABLE STRUCTURAL NOTES. LOG ENDS SHALL BE TRIMMED AS REQUIRED FOR A TIGHT, PLUMB AND TRUE FIT - REFER TO A3 DETAILS FOR ADDITIONAL INFORMATION.
- ALL REFERENCED CYPRESS MAY BE SUBSTITUTED WITH A SPECIES AND GRADE OF EQUAL OR BETTER PERFORMANCE VALUES.



Electrical Floor Plan

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

Electrical Symbols

1	6PST WALL SWITCH	11	NON-FUSED DISC. SW. WEATHER PROOF
2	DPDT WALL SWITCH (3-WAY)	12	INC. LIGHT FIXTURE
3	DUPLEX WALL RECEPTACLE	13	SMOKE DETECTOR 120V
4	DUPLEX WALL RECEPT. BELOW COUNTER	14	ELECTRICAL PANEL
5	240V OUTLET	15	EXHAUST FAN
6	GFCI DUPLEX RECEPTACLE	16	AFCI DUPLEX WALL RECEPTACLE
7	WEATHER PROOF GFCI DUPLEX RECEPT.	17	HALF SWITCHED DUPLEX WALL RECEPTACLE
8	TELEVISION OUTLET	18	TELEPHONE OUTLET
9	CEILING FAN W/ INC. LIGHT FIXTURE	19	HANGING CHANDELIER

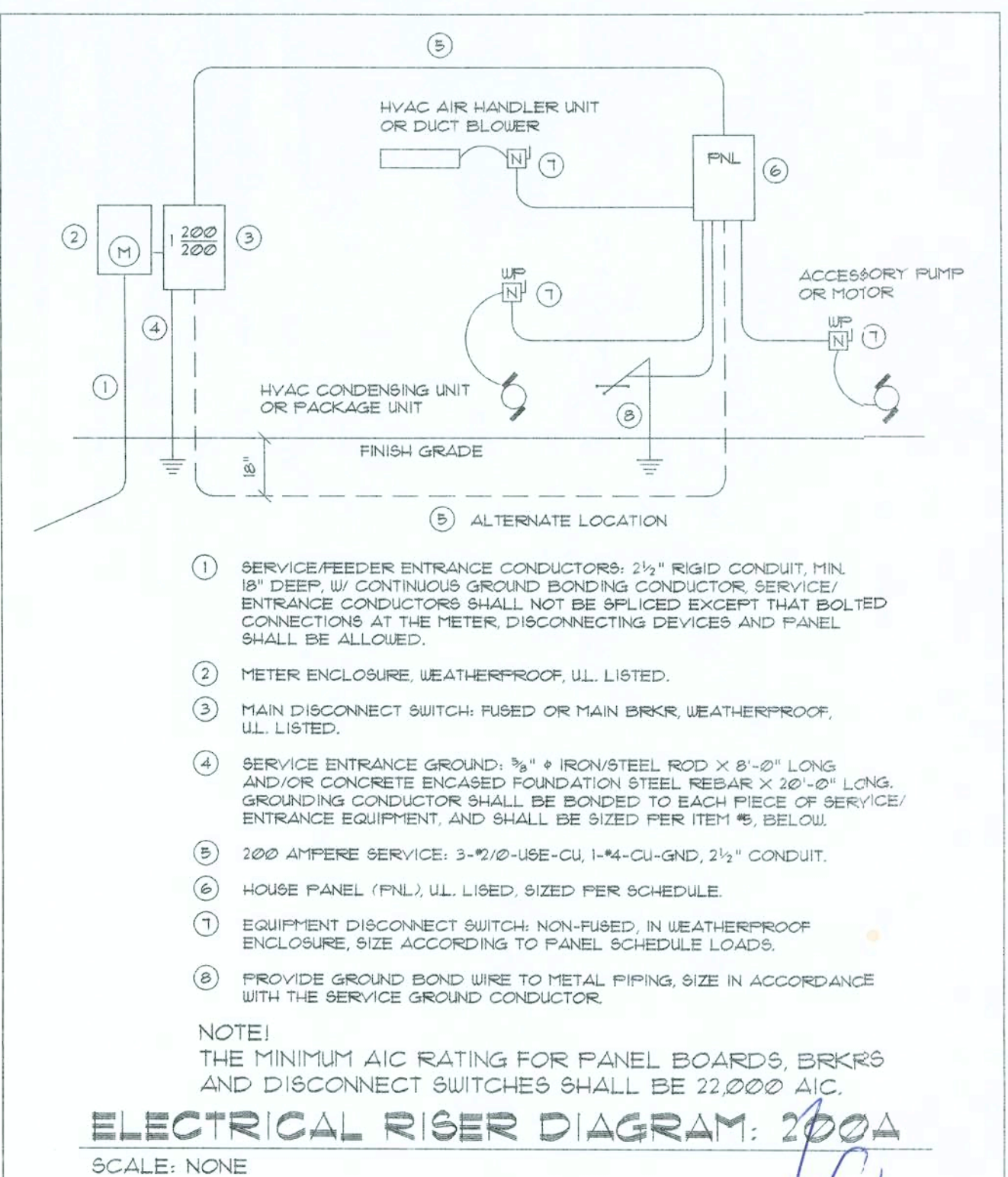
AREA CALCULATION

GROSS LIVING AREA: 1500.00 SF
COVERED PORCH AREA: 800.00 SF
TOTAL AREA: 2300.00 SF

WINDOW SCHEDULE				
C.O.	R.O.	S.O.	DESCRIPTION	FASTENING
2-2030	4'-0" 1/2" x 3'-0" 1/2"	2'-0" x 3'-0"	TWIN - DBL HUNG ALUM CLAD WOOD PREMIUM TILT WINDOW	8d COMMON NAILS # 8" O.C.
2-2030	4'-0" 1/2" x 5'-0" 1/2"	2'-0" x 5'-0"	TWIN - DBL HUNG ALUM CLAD WOOD PREMIUM TILT WINDOW	8d COMMON NAILS # 8" O.C.
3030	3'-0" 1/2" x 3'-0" 1/2"	3'-0" x 3'-0"	DBL HUNG ALUM CLAD WOOD PREMIUM TILT WINDOW	8d COMMON NAILS # 8" O.C.
3030	3'-0" 1/2" x 5'-0" 1/2"	3'-0" x 5'-0"	DBL HUNG ALUM CLAD WOOD PREMIUM TILT WINDOW	8d COMMON NAILS # 8" O.C.
2-3030	6'-0" 1/2" x 5'-0" 1/2"	3'-0" x 5'-0"	TWIN - DBL HUNG ALUM CLAD WOOD PREMIUM TILT WINDOW	8d COMMON NAILS # 8" O.C.

DOOR SCHEDULE				
C.O.	R.O.	S.O.	DESCRIPTION	FASTENING
3068 F	3'-0" 1/2" x 6'-10" 1/2"	3'-0" x 6'-8"	WOOD CROSSBUCK DOOR	8d COMMON NAILS # 8" O.C.
3068 W/SL	VERIFY	3'-0" x 6'-8"	WOOD CROSSBUCK DOOR W/ SIDELITES	8d COMMON NAILS # 8" O.C.
6068 F	6'-0" 1/2" x 6'-10" 1/2"	6'-0" x 6'-8"	DBL WOOD FRENCH ENTRY DOOR	8d COMMON NAILS # 8" O.C.

NOTE:
ALL WINDOW & DOOR ROUGH OPENING SIZES DO NOT INCLUDE THE SUB-BUCKS. ALL WINDOWS & DOORS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY "EAGLE" (EAGLE WINDOW & DOOR CO., DUBUQUE, IOWA 52004) - OTHER MANUFACTURERS SHALL BE CONSIDERED AS "EQUAL" - OWNER SHALL VERIFY R.O. SIZES REQUIRED. NOTE: VERIFY EGRESS WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION. NOTE: VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.



- SERVICE/FEEDER ENTRANCE CONDUCTORS: 2 1/2" RIGID CONDUIT, MIN. 18" DEEP, W/ CONTINUOUS GROUND BONDING CONDUCTOR. SERVICE/ENTRANCE CONDUCTORS SHALL NOT BE SERVICED EXCEPT THAT BOLTED CONNECTIONS AT THE METER DISCONNECT DEVICES AND PANEL SHALL BE ALLOWED.
- METER ENCLOSURE: WEATHERPROOF, UL LISTED.
- MAIN DISCONNECT SWITCH: RUBED 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 5, BELOW.
- 200 AMPERE SERVICE: 3-2/0-USE-CU 1-4-CU-GND, 2 1/2" CONDUIT.
- HOUSE PANEL (P.N.L.): 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

REVISION:

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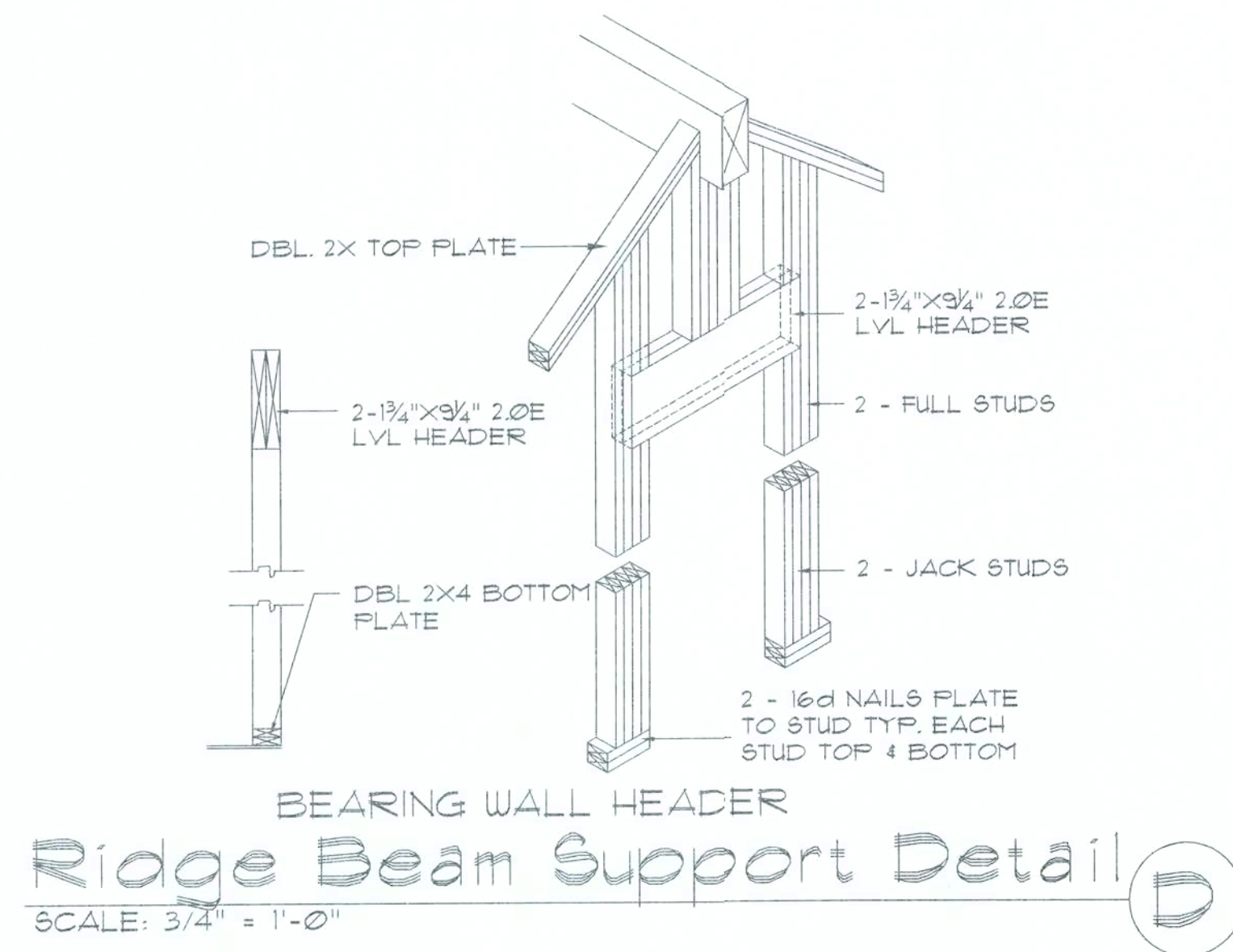
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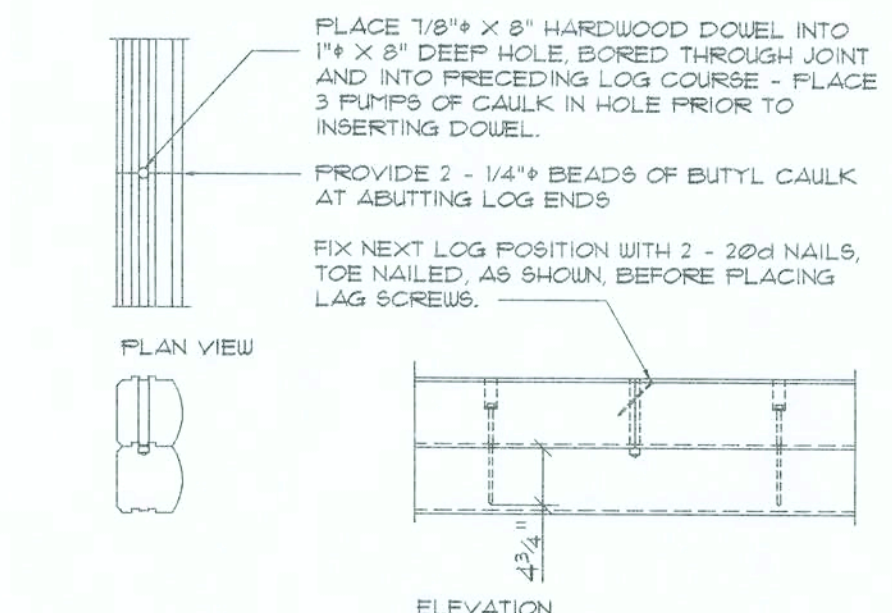
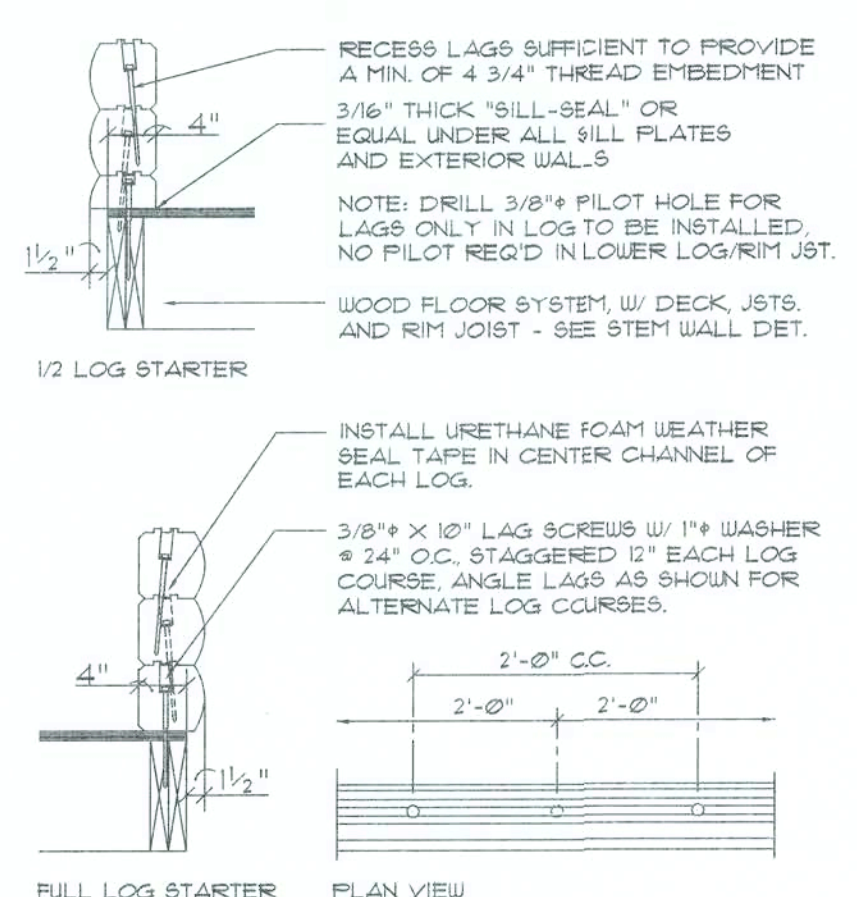
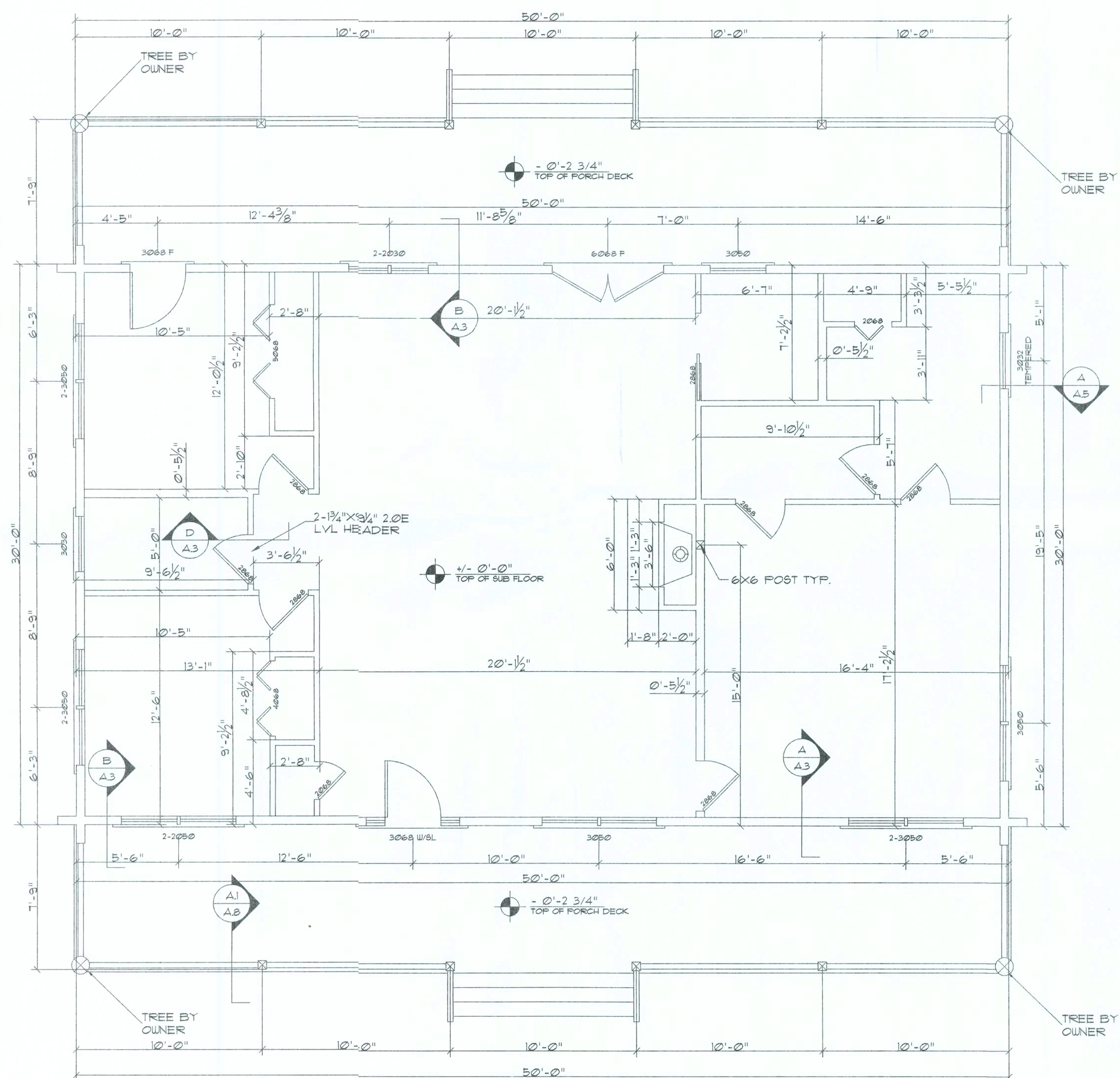
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NOTE:
ALL INTERIOR WALLS SHALL BE 3 1/2" UNLESS OTHERWISE NOTED

NOTE:
ALL REFERENCED CYPRESS MAY BE SUBSTITUTED WITH A SPECIES AND GRADE OF EQUAL OR BETTER PERFORMANCE VALUES.



NOTE:
FOR TIGHTER BUTT JOINTS, POSITION EA. NEW SECTION OF LOG IN PLACE AND "BUMP" INTO CONTACT W/ THE PRECEDING LOG SECTION W/ A 3 LB. HAMMER. SAW CUT THE JOINT WITH A "SAWZALL" OR SIMILAR STYLE POWER SAW. CUT ALL THE WAY TO THE PRECEDING LOG COURSE. CAULK & RESET THE LOG SECTION W/ THE 3 LB. HAMMER AND COMPLETE THE JOINT W/ 2 - 20d NAILS AS NOTED ABOVE. AFTER THE NEW LOG SECTION IS LAGGED (2 MIN.) IN PLACE, COMPLETE THE DOVEL PORTION OF THE JOINT.



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Custom Log Home for:
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AUGUST 9-01

STRUCTURAL ENGINEERS

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904-363-1065/564177/1800-363-LOGS(5641)

DATE: 24 JAN 01

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3 OF 10

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NOTE:

1. FOUNDATION SHOWN IS FOR CLEAN SAND OR ROCK FILL ONLY. OTHER CONDITIONS SHOULD BE DESIGNED BY A LICENSED ENGINEER.
2. ASSUMED SOIL BEARING CAPACITY 1000 PSF.
3. ALL CONCRETE SHALL BE 2500 PSI.
4. ALL ANCHOR STRAPS, POST BASES, ANCHOR BOLTS AND ALL OTHER ASSOCIATED METAL CONNECTORS REQUIRED TO BE PLACED PRIOR TO POURING CONCRETE BY THE PLANS AND/OR PERMIT ISSUING AUTHORITY, SHALL BE PROVIDED BY THE CONTRACTOR.

5. LOG ASSEMBLY METAL COMPONENTS, ALONG W/ GALVANIZED COMMON NAILS (8d THRU 16d) MAY BE PROVIDED BY SFLH, INC. - VERIFY W/ SALES AGREEMENT PRIOR TO ORDERING.

6. ALL OTHER FRAMING CONNECTORS AND THE ASSOCIATED THRU-BOLTS AND/OR LAG SCREWS, REQUIRED BY THE PLANS AND/OR PERMIT ISSUING AUTHORITY, SHALL BE PROVIDED BY THE CONTRACTOR.

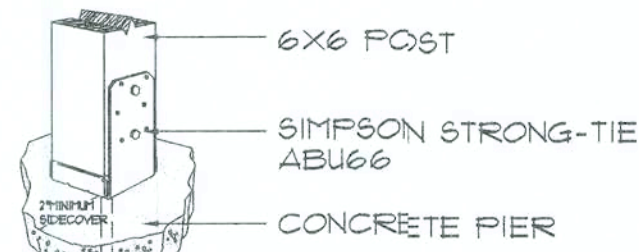
7. TOP OF FOOTING TO BE BELOW LOCAL FROST LINE.
8. ALL REINFORCEMENT TO BE MIN. 40 DEFORMED BARS LAPPED A MIN. OF 30 BAR DIA.
9. ALL EXTERIOR DECK JOISTS, NAILERS, GIRDERS AND DECKING TO BE PRESSURE TREATED.

FOOTING SCHEDULE

- 24" X 12" X CONT. FOOTING, W/ 3 #5 REBAR, BOTTOM, CONT., #1 #4 REBAR @ 48" O.C., TRANSVERSE
- 2" X 24" DEEP SONOTUBE FOOTING, W/ 4 #4 VERT. REBAR AND #4 HORIZ. REBAR @ 48" O.C. ON A 24" SQ. X 12" THK. PAD FOOTING, W/3 #5 EA. WAY, BOT.
- 24" SQ. X 12" THK. PAD FOOTING, W/ 3 #5 EA. WAY, BOTTOM
- 32" SQ. X 12" THK. PAD FOOTING, W/ 4 #5 EA. WAY, BOTTOM

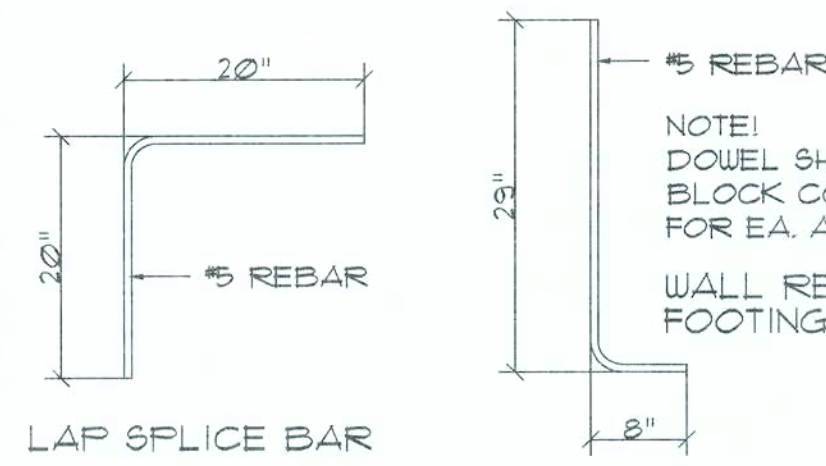
PIER / POST SCHEDULE

- 8" X 16" CONC. FILLED CONC. BLOCK W/ 2 #5 VERT. REBAR HOOKED TO FTG USE "O" BLOCK, FOR POST ANCHOR PLACEMENT
- 6X6 CYPRESS POST
- 8" Ø TOP TREE, SUPPLIED BY OWNER



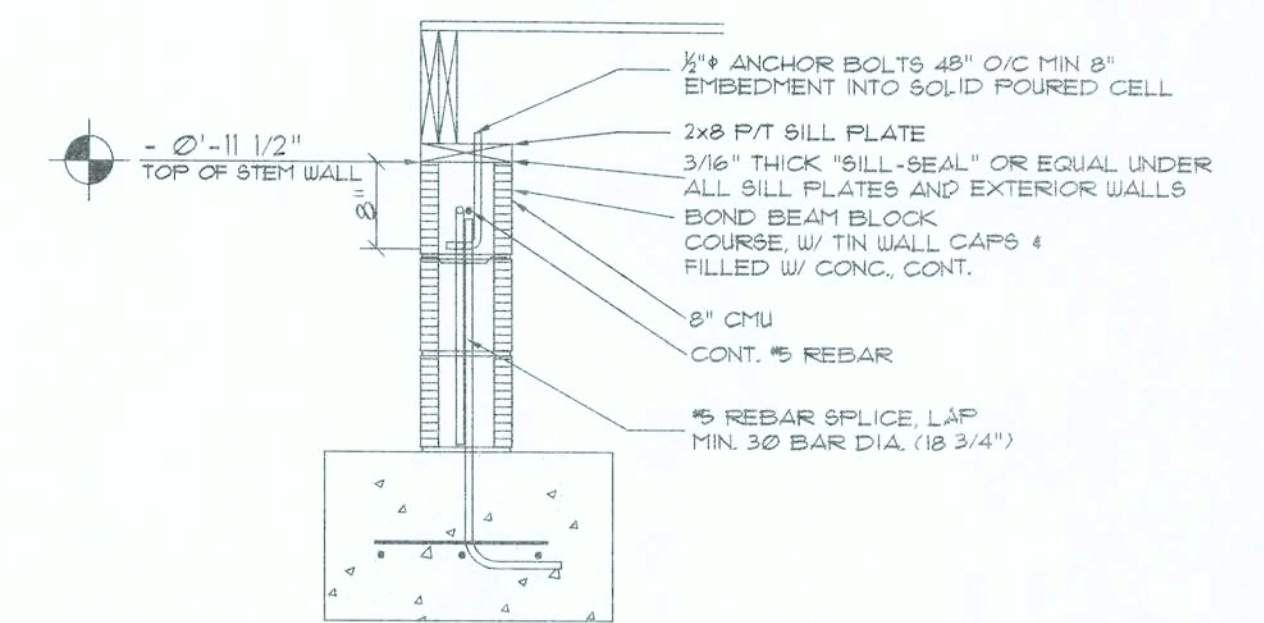
Post Base Anchor

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



Rebar Details

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



Stem Wall Detail

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

8" CMU STEM WALL ON FORMED CONCRETE FOOTING. REFER TO SCHEDULE FOR SIZE. PROVIDE STEMWALL REINFG. AS PER DETAIL B/A.4 @ 48" O.C. ALONG ALL EXTERIOR WALLS & @ ALL CORNERS. - PROVIDE A CONT. BOND BEAM AS SHOWN W/ 1 #5 CONT. ALL AROUND THE TOP OF THE STEMWALL.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. 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.
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS.
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS.
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.

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE.
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED.

7. 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.

8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED.

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT.

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS.

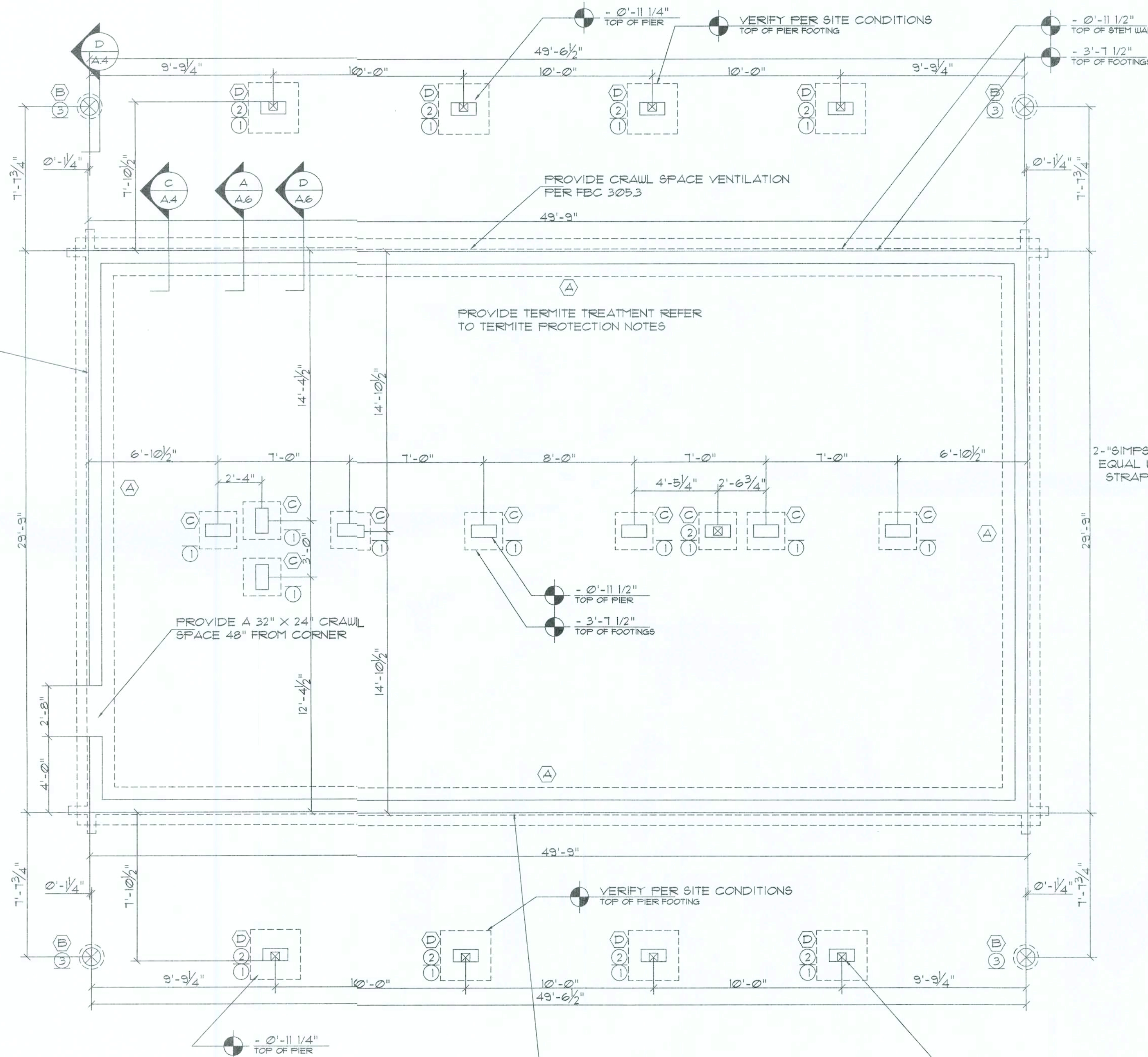
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED.

12. ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY 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."

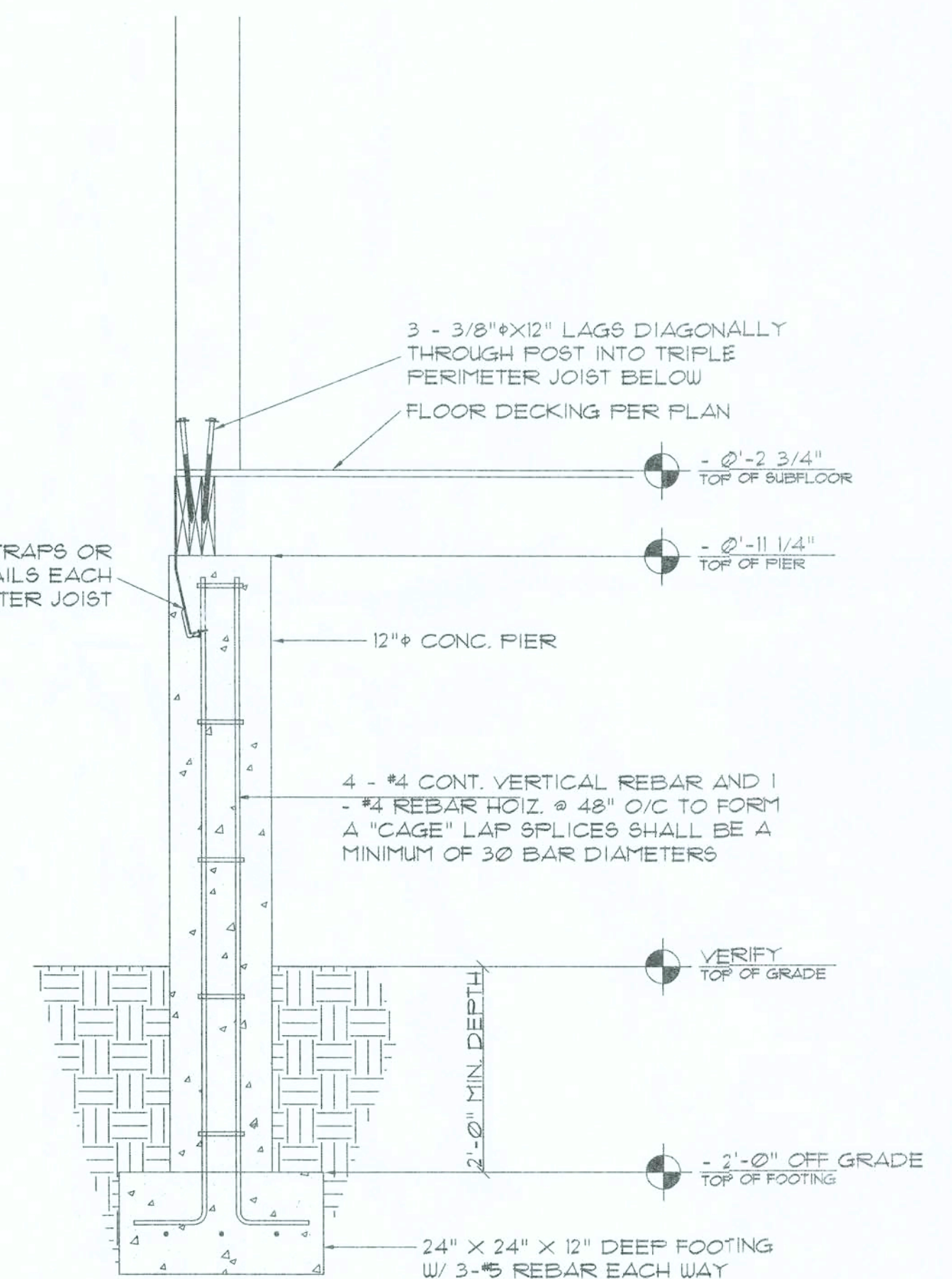
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL.

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING.



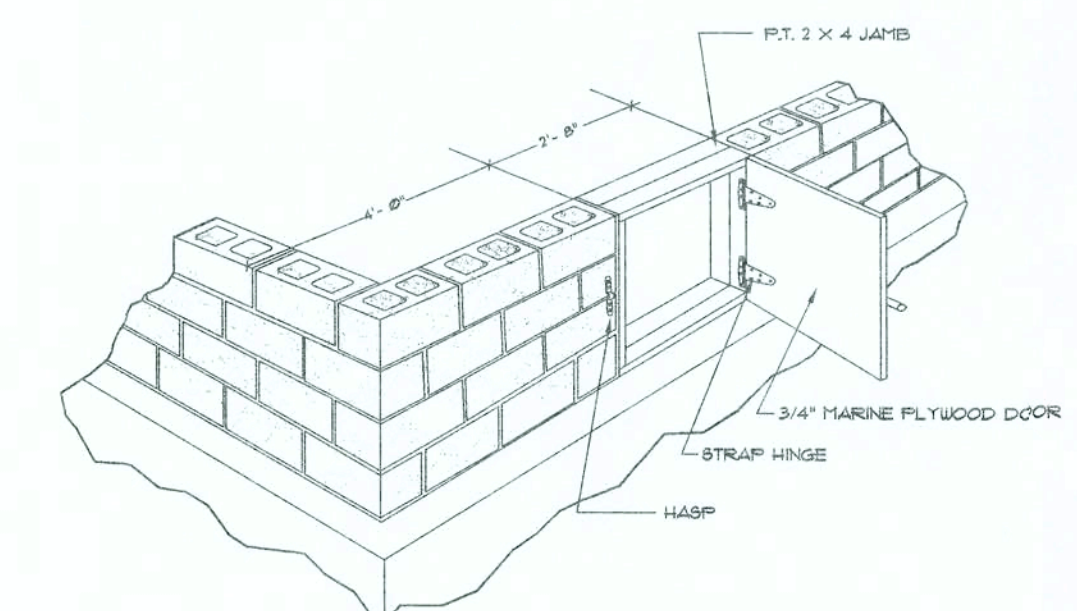
Foundation Plan

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



Pier / Footer Detail

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



Crawl Space Door Detail

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

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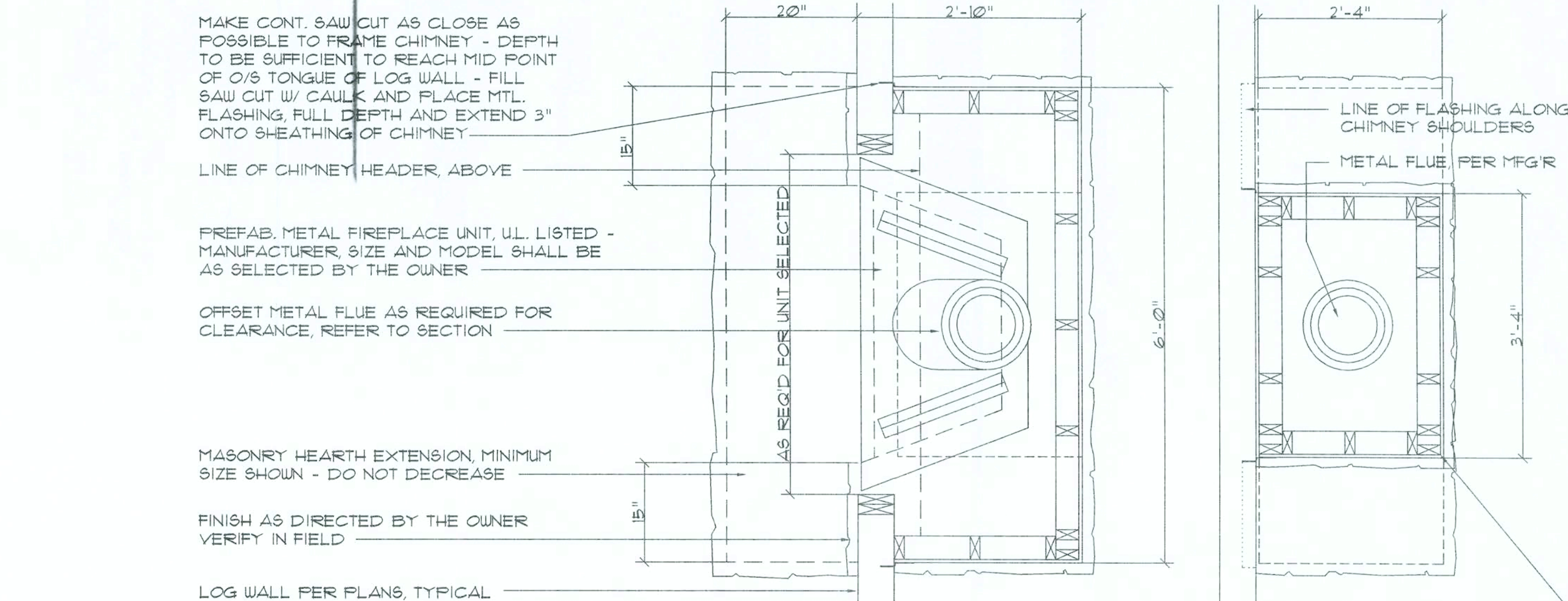
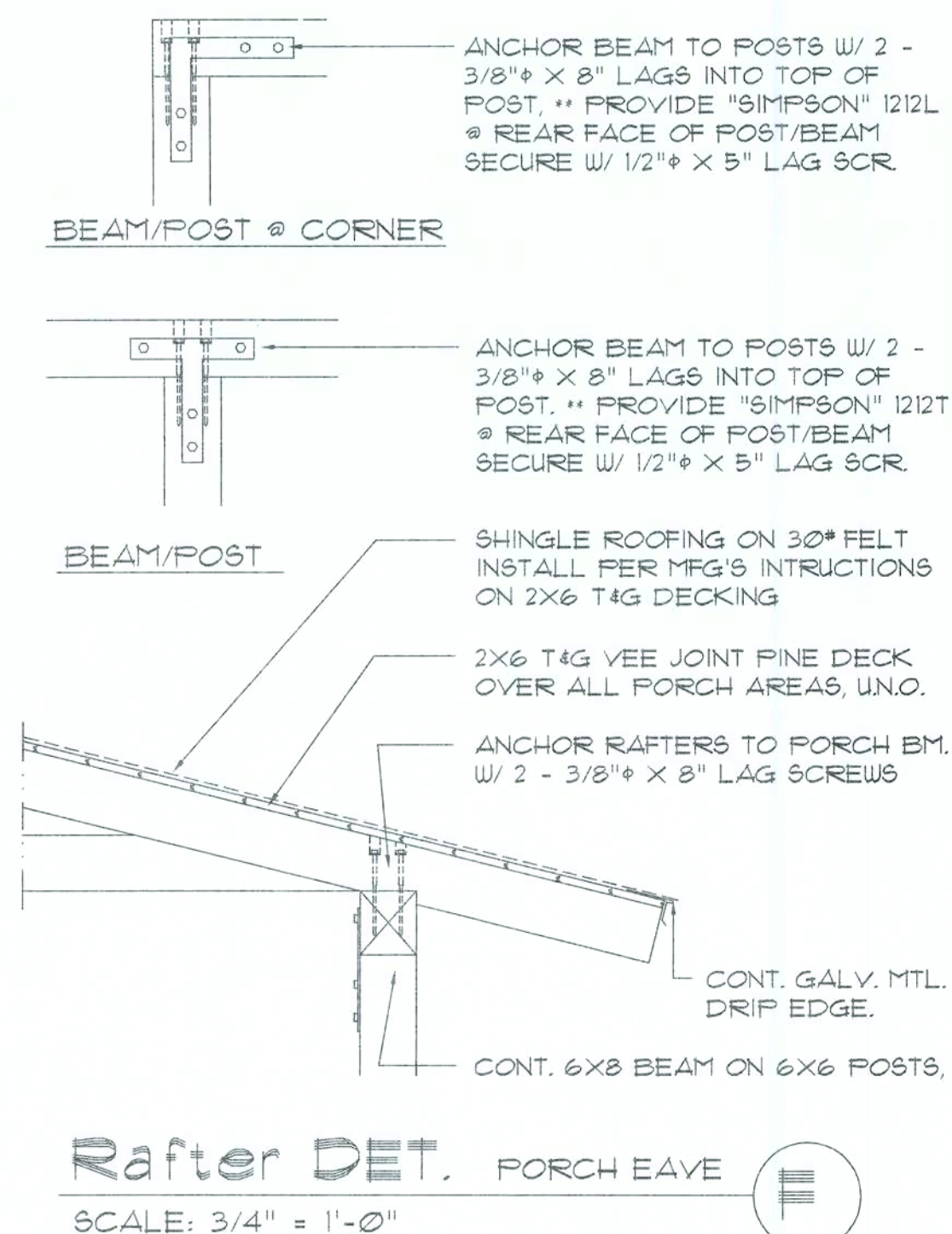
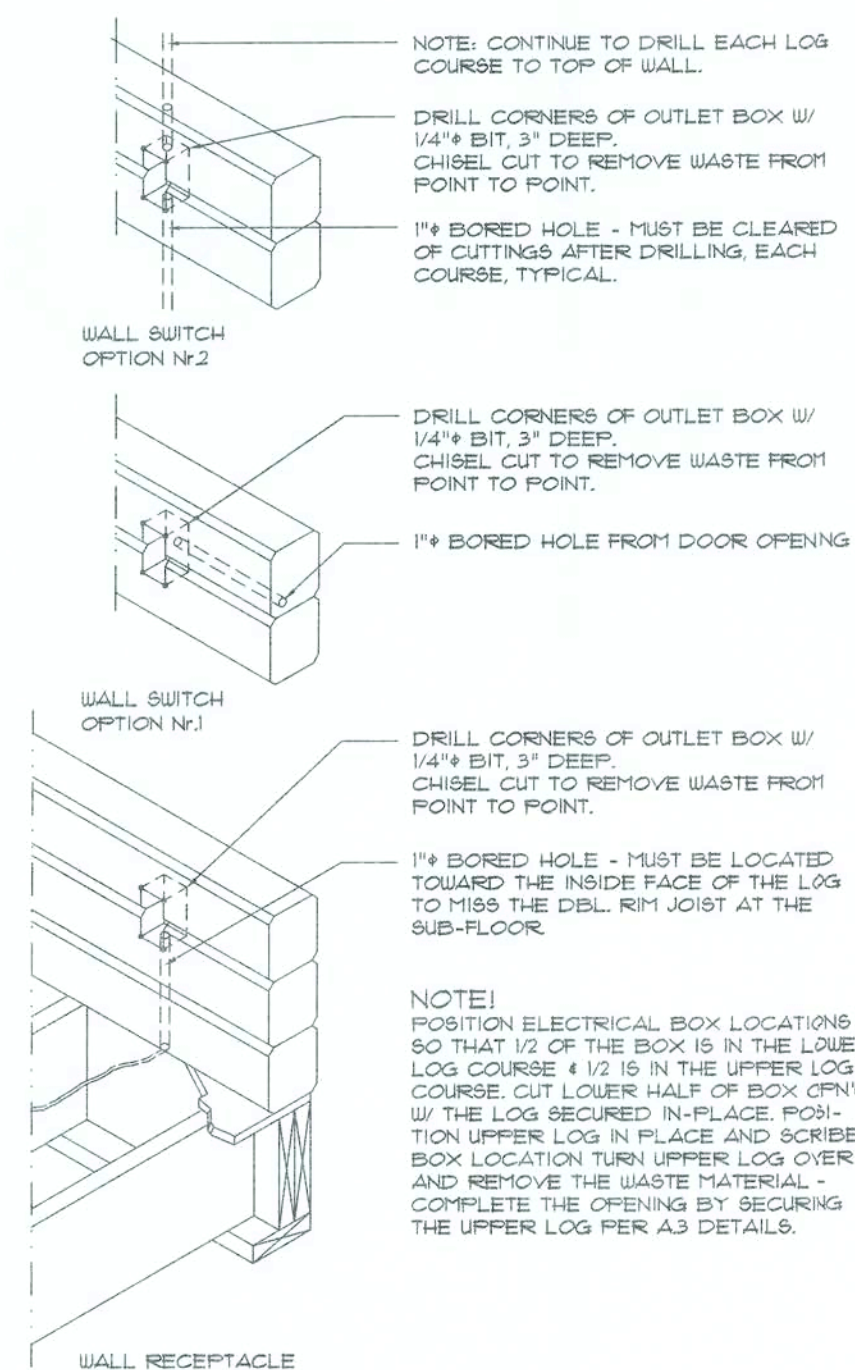
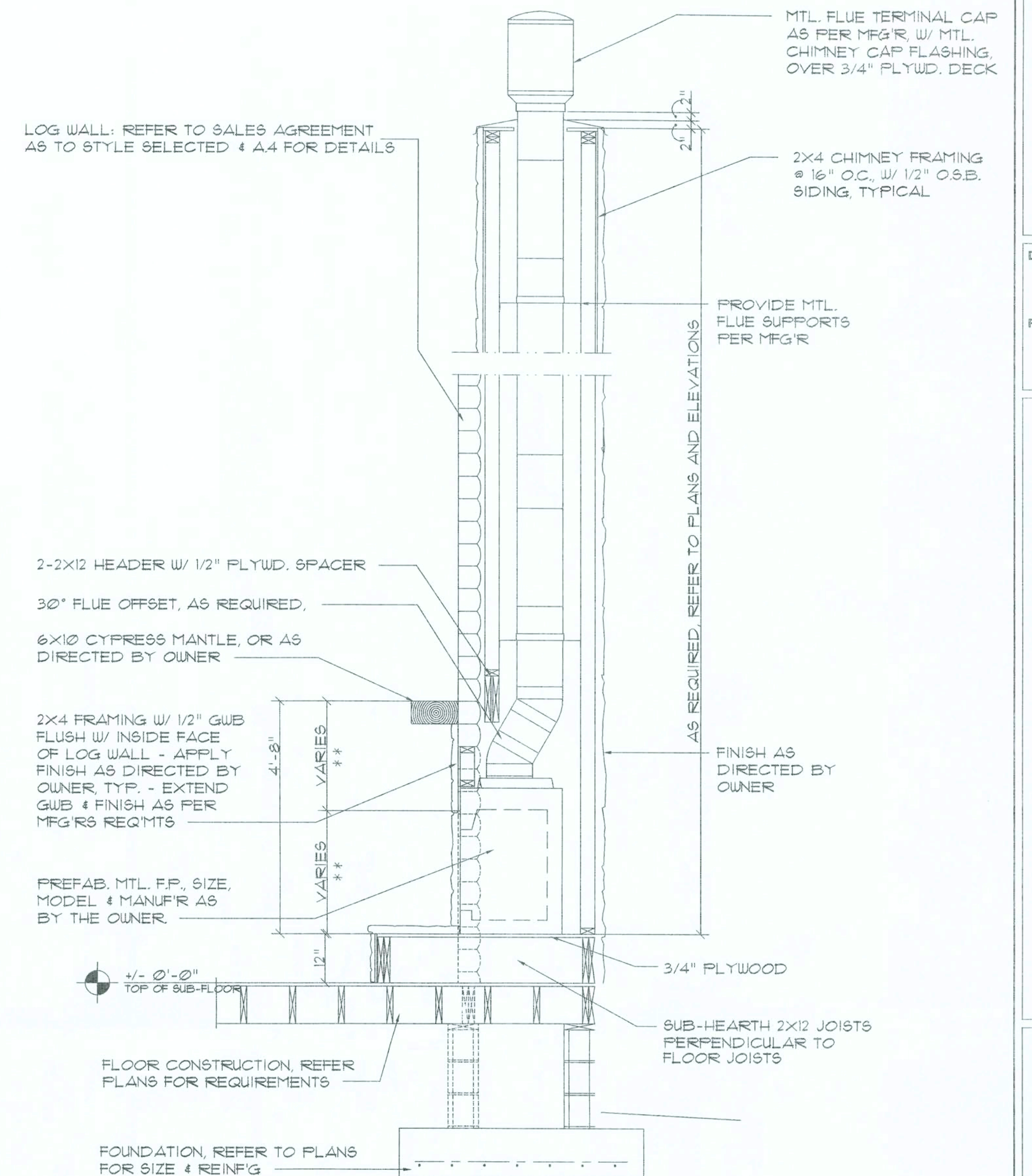
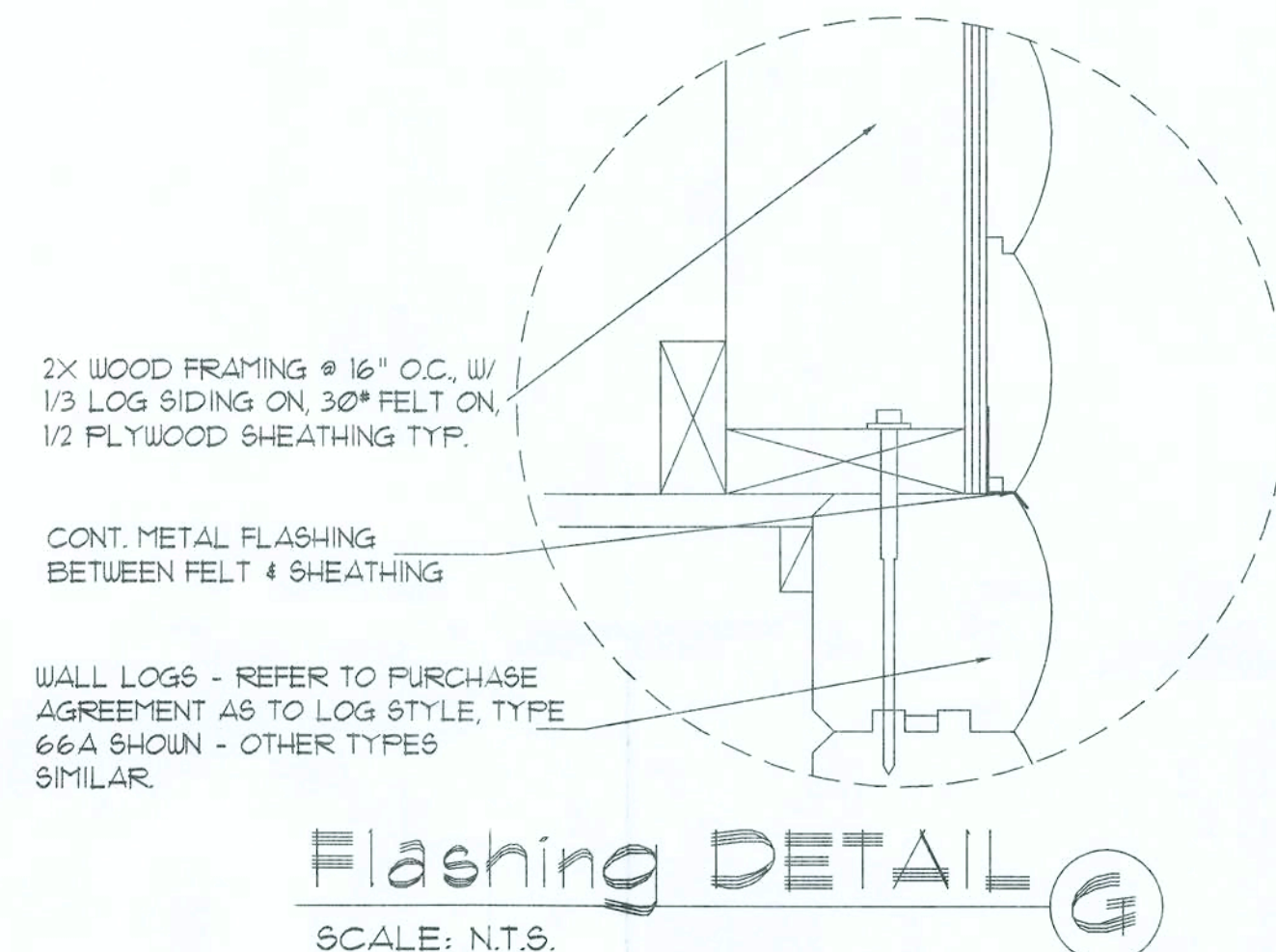
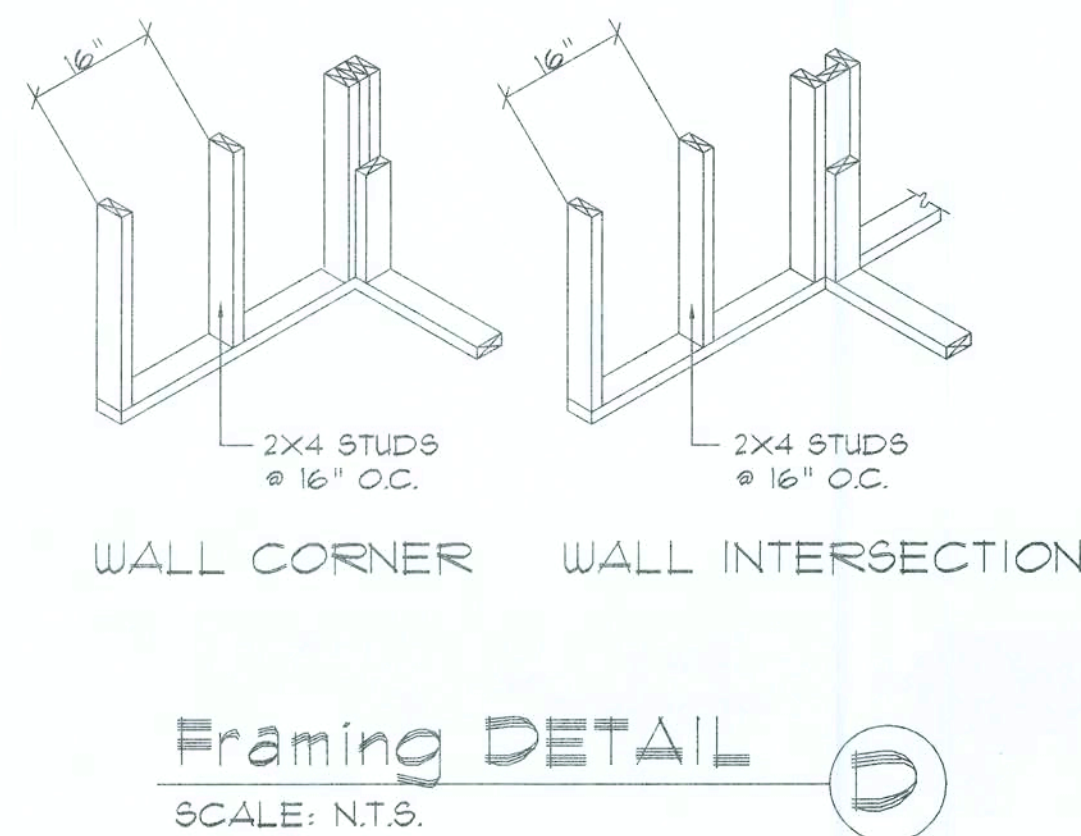
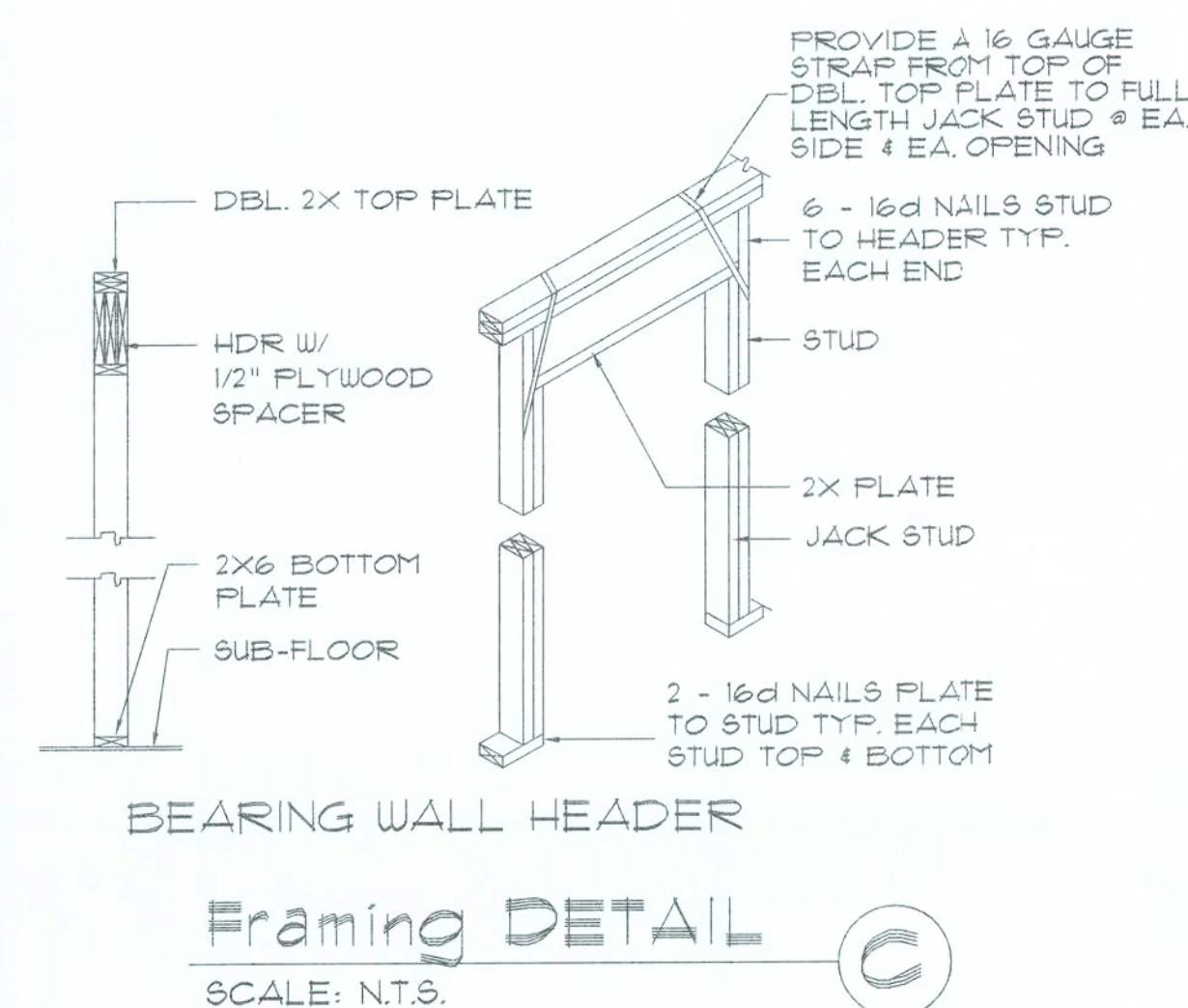
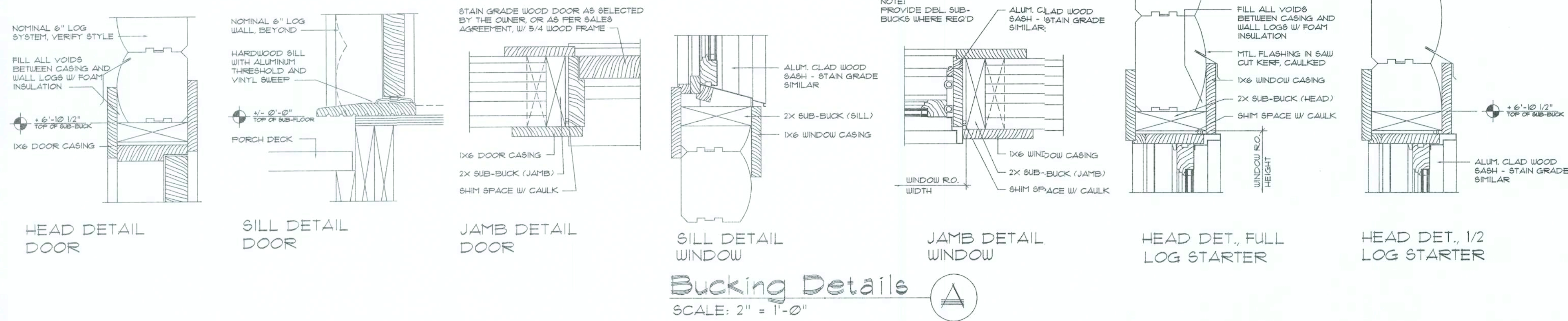
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A.4

4 OF 10



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REVIEWED: GJG

Custom Log Home for:
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STRUCTURAL ENGINEER

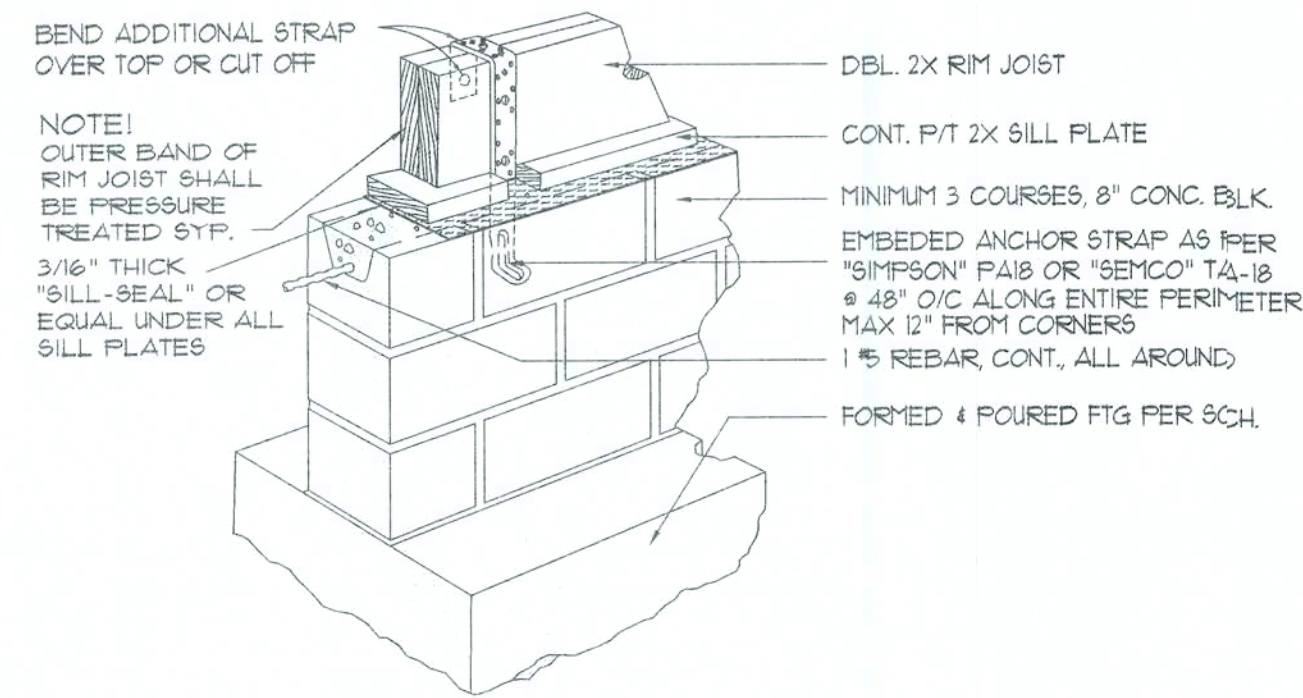
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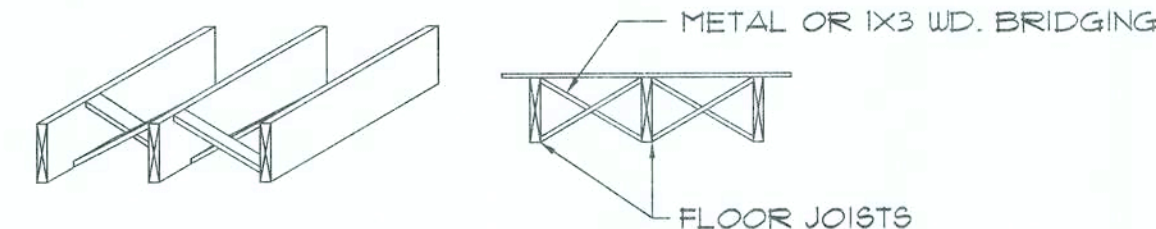
PIER / POST SCHEDULE

- 8" X 16" CONC. FILLED CONC. BLOCK W/ 2 #5 VERT. REBAR HOOKED TO FTG USE "O" BLOCK FOR POST ANCHOR PLACEMENT
- 6X6 CYPRESS POST
- 8" # TOP TREE, SUPPLIED BY OWNER



Anchor Strap Detail

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

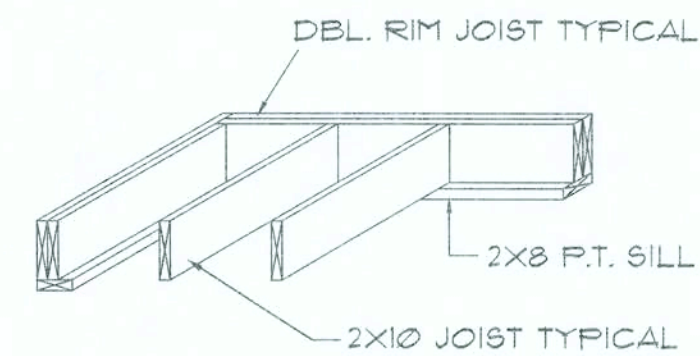


NOTE: ALTERNATE BRIDGING MAY BE ACCOMPLISHED W/ SECTIONS OF FLOOR JOIST MATERIAL PLACED PERPENDICULAR TO JOISTS, STAGGERED ALONG THE LINE OF BRIDGING. NAIL BRIDGING STRIPS AT TOP, BUT NOT AT BOTTOM, INSTALL SUB-FLOOR THEN SECURELY NAIL BRIDGING IN PLACE AFTER FRAMING IS COMPLETE.

Cross Bridging

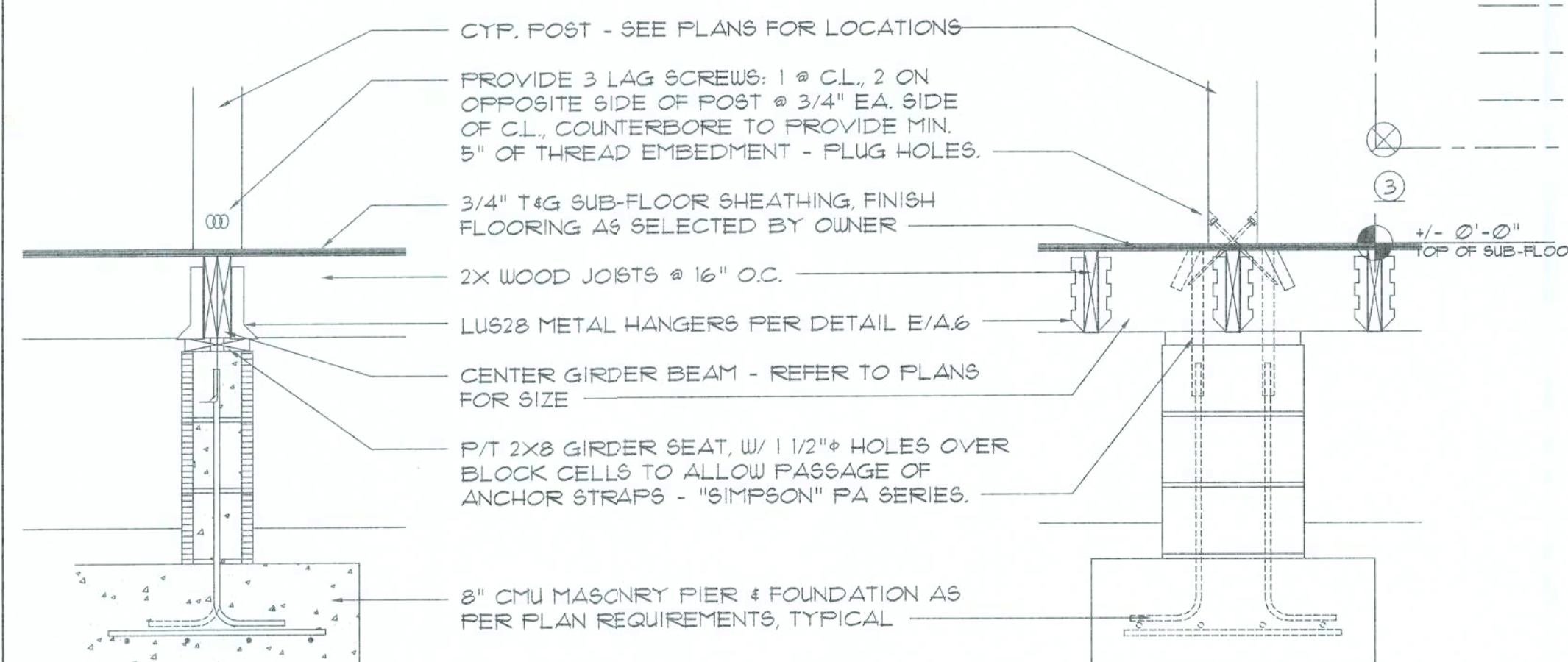
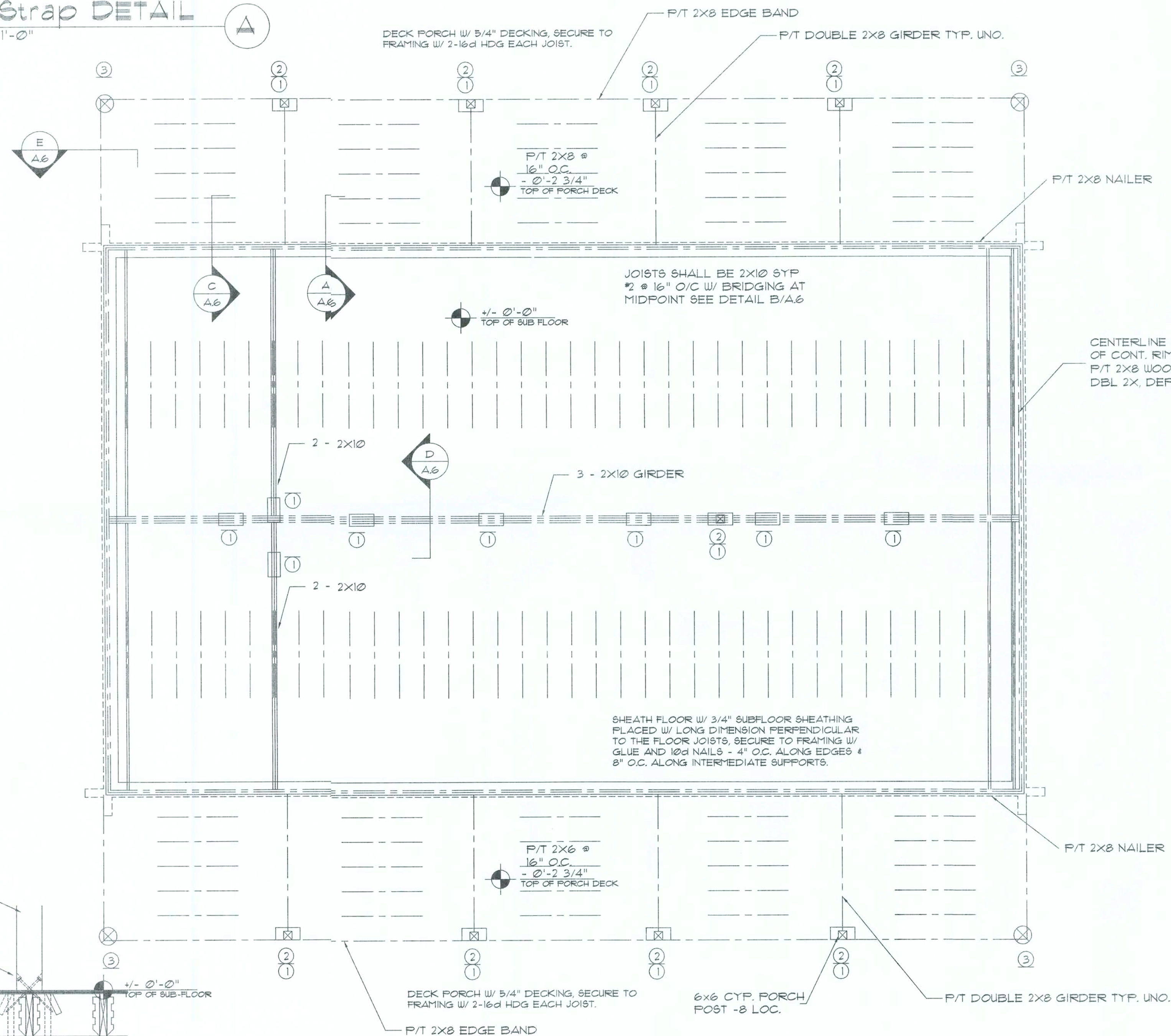
SCALE: 3/4" = 1'-0"

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 T.O.



Floor Framing

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



SECTION @ RIGHT ANGLE TO GIRDER

SECTION PARALLEL TO GIRDER

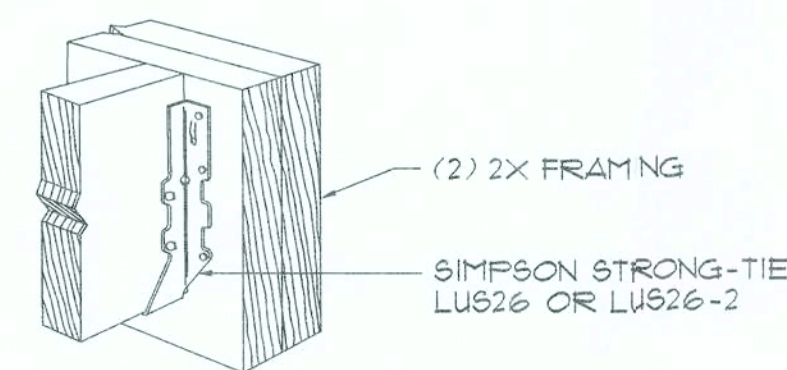
Pier / Girder SECTION

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

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

Floor Framing Plan

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



Framing Detail

SCALE: 3" = 1'-0"

REVISION:

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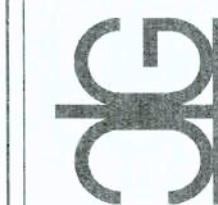
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6 OF 10

6/24/07

PIER / POST SCHEDULE

- 8" X 16" CONC. FILLED CONC. BLOCK
W/ 2 #5 VERT. REBAR HOOKED TO FTG
USE "O" BLOCK FOR POST ANCHOR
PLACEMENT
- 6X6 CYPRESS POST
- 8" Ø TOP TREE, SUPPLIED BY OWNER

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

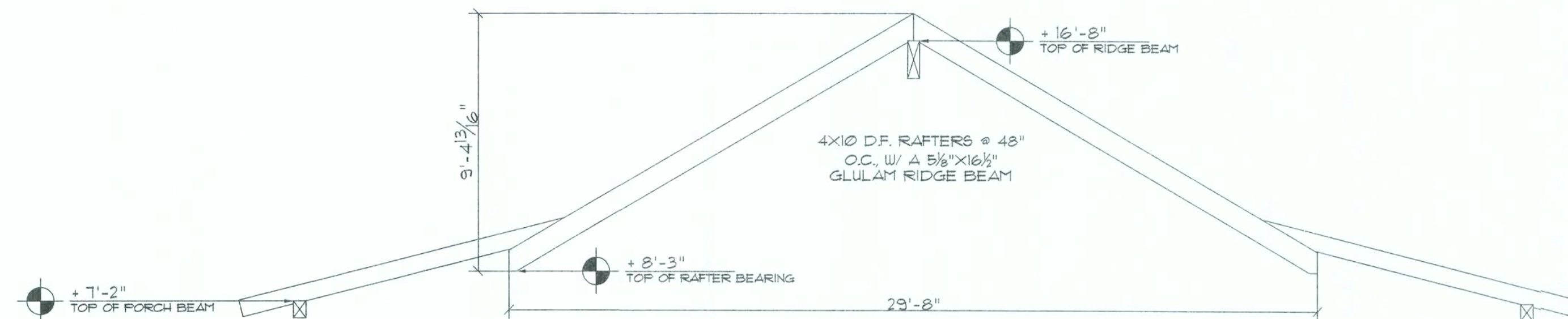
NOTE:
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/
JOINT REINFORCEMENT AND FASTENERS.

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

NOTE!
D.F. BEAMS, JOISTS, & RAFTERS
SHALL BE #2 GRADE OR BETTER.

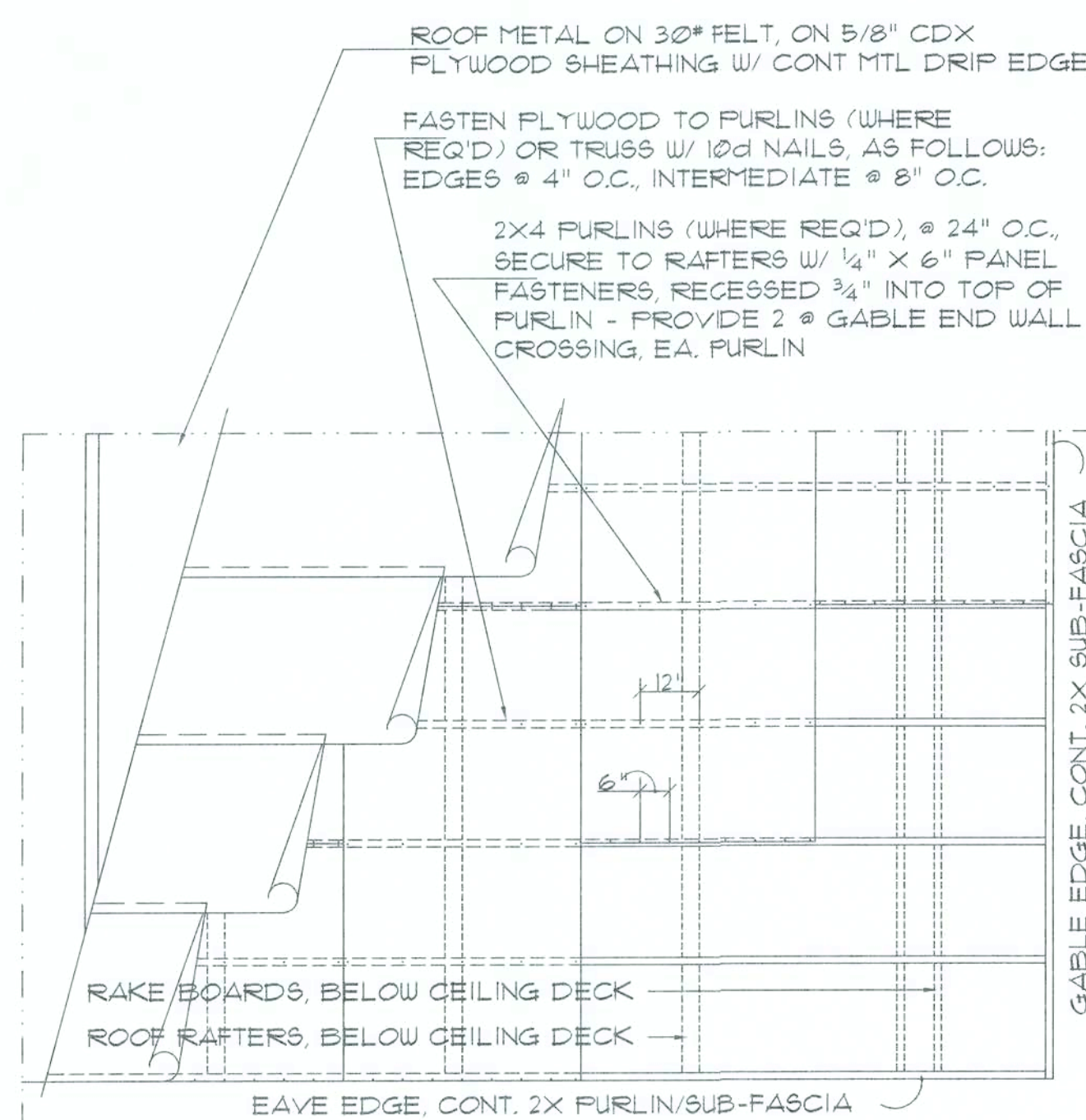
NOTE!
ELEVATION MARKS ARE FOR REFERENCE ONLY.
FINAL ELEVATIONS ARE DETERMINED BY THE
FINISHED LOG WALL - FIELD MEASURE.

NOTE!
FOR ADDITIONAL RAFTER
ANCHORING REQUIREMENTS SEE
ANCHOR CHART ON SHEET A.9



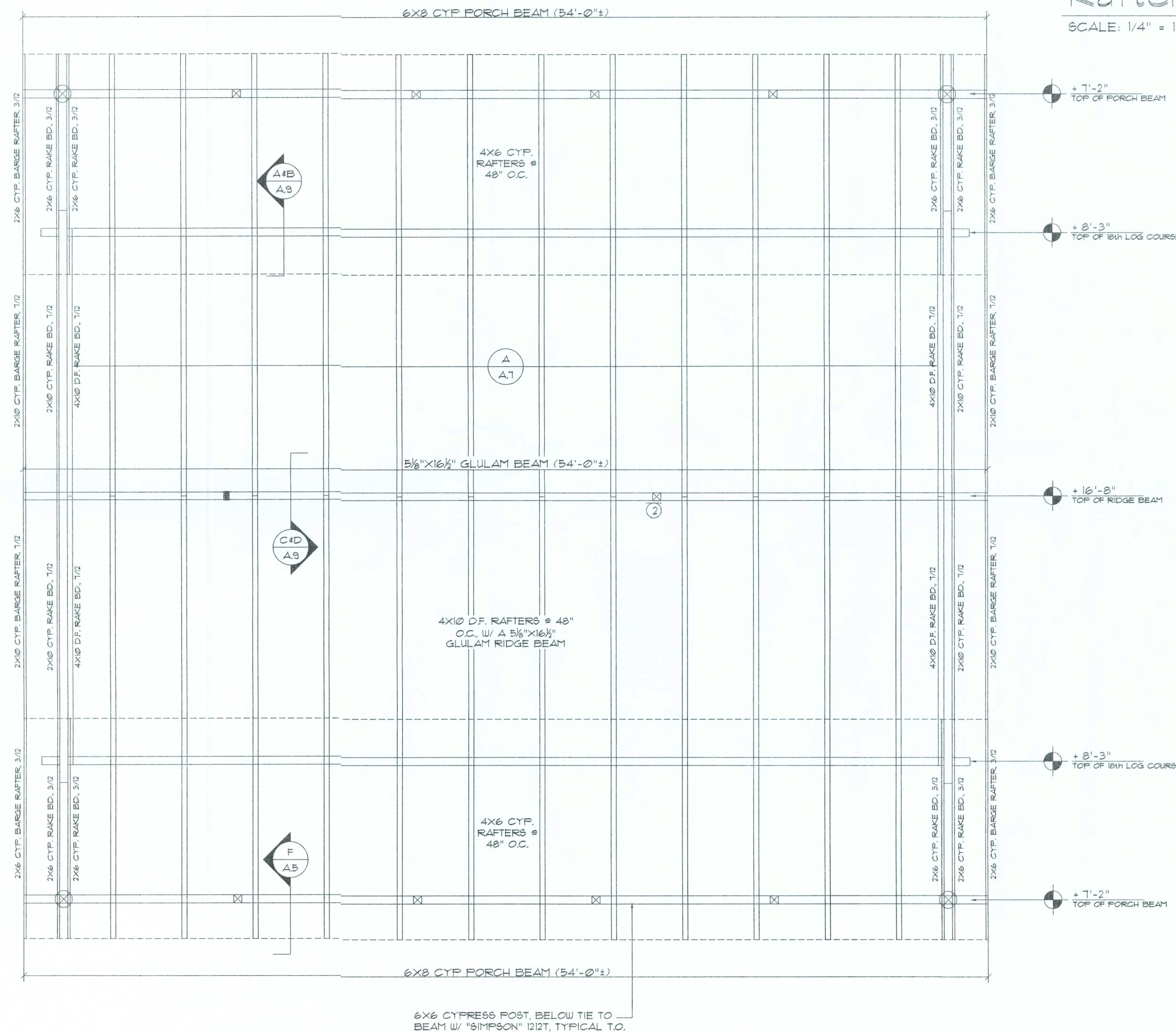
Rafter PROFILE

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



Roof Deck DETAIL

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



Roof Framing Plan

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

REVISION:

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GJG

Custom Log Homes for:
Loyce J. Barnard
Columbia Co., FL

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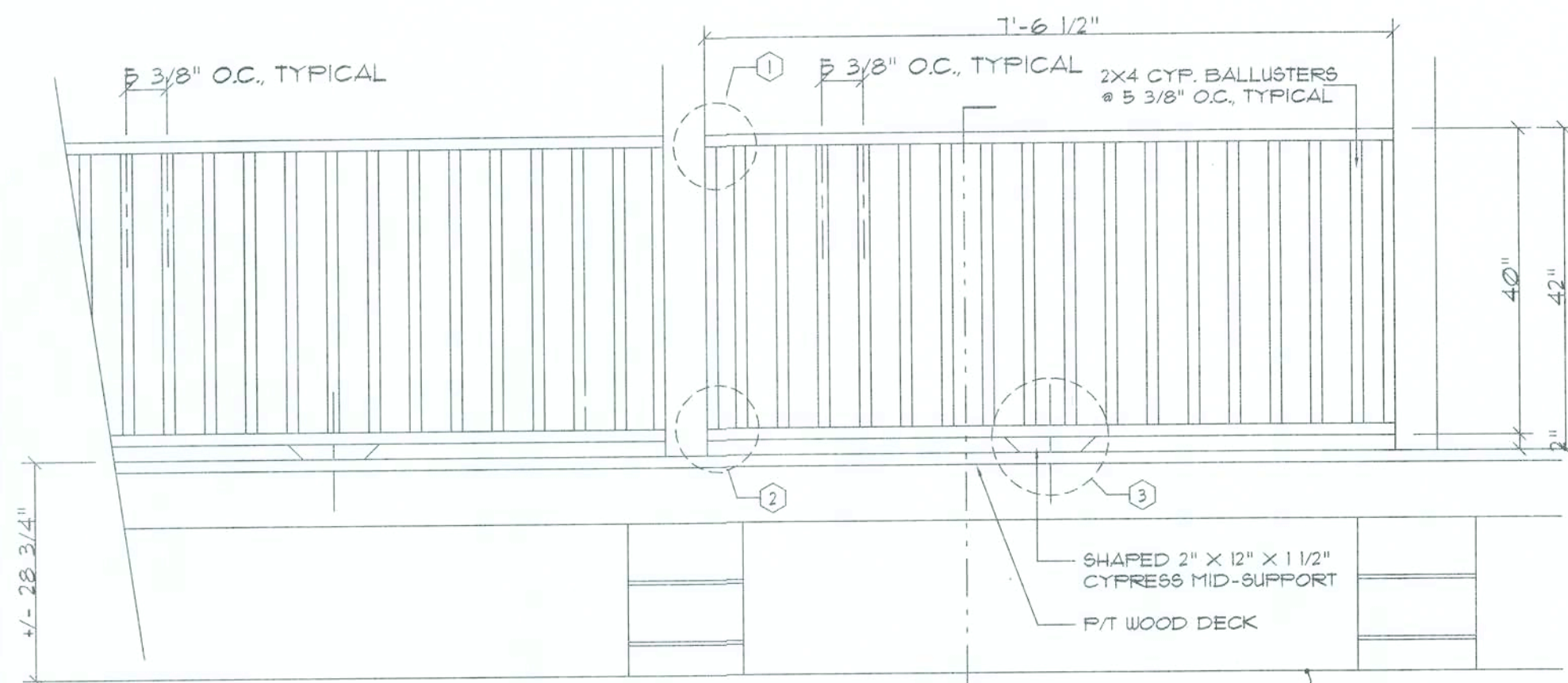
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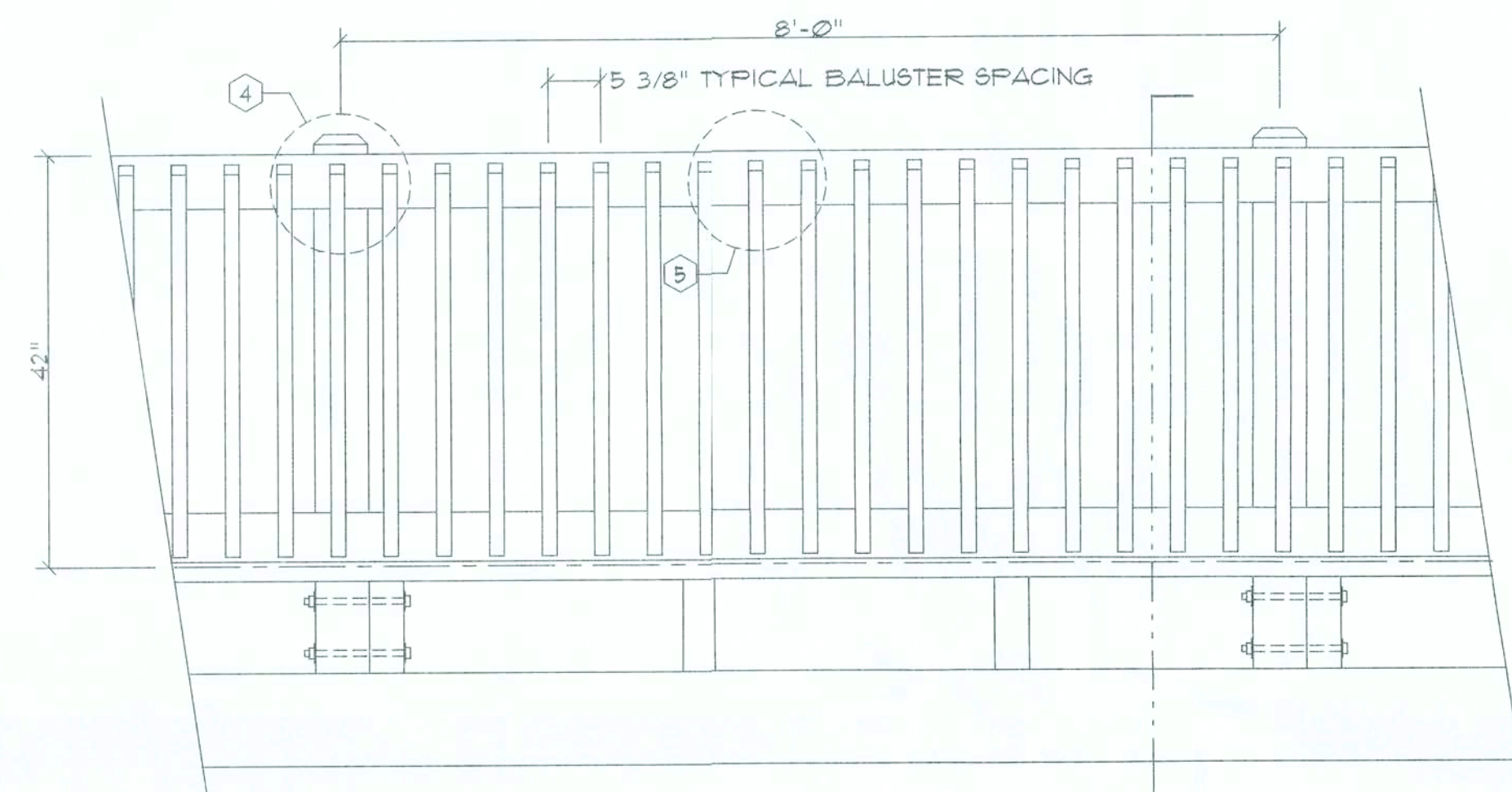
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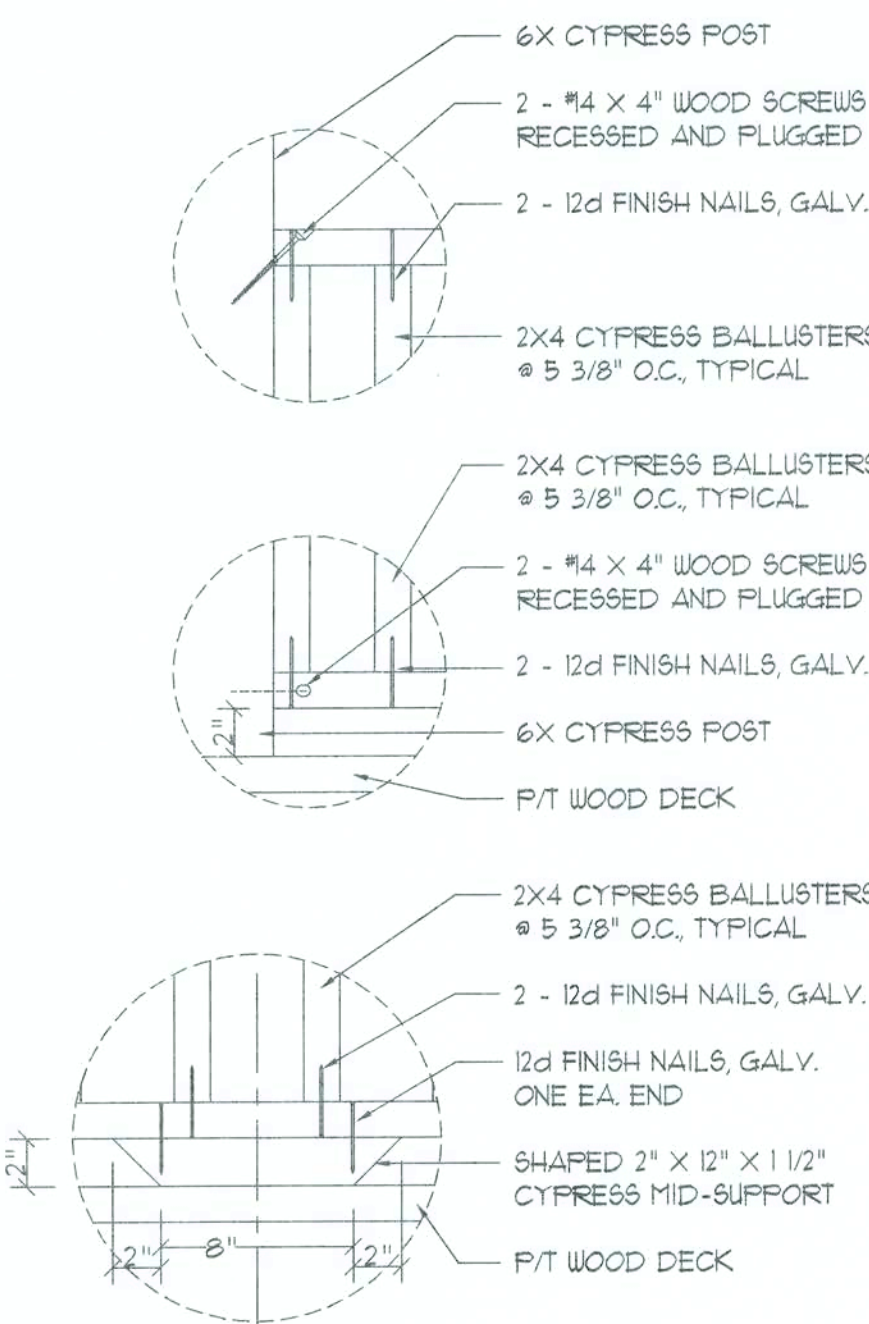
Exterior Railing ELEV.

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



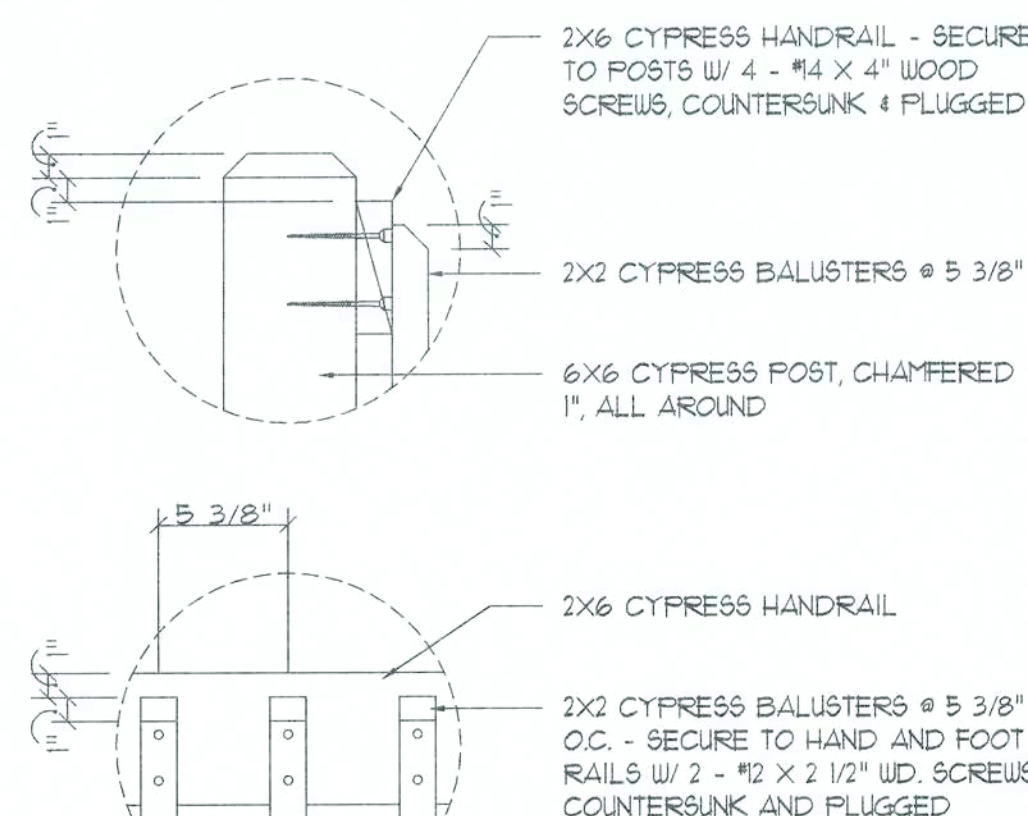
Interior Railing ELEV.

SCALE: N.T.S.



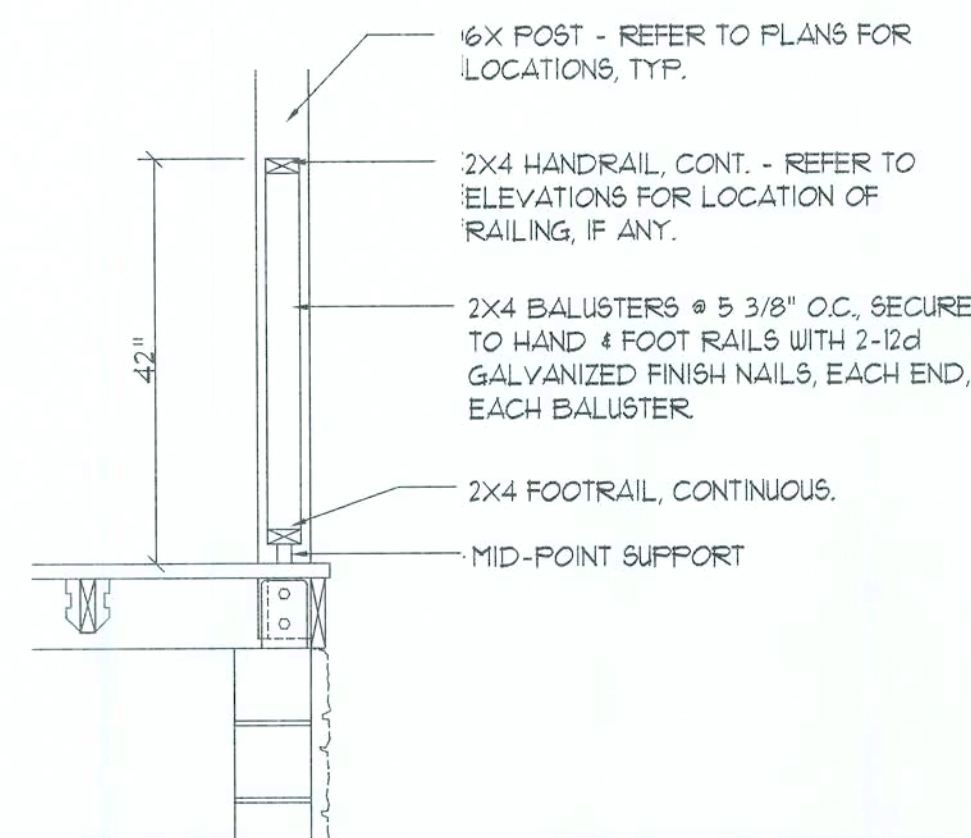
DETAILS

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



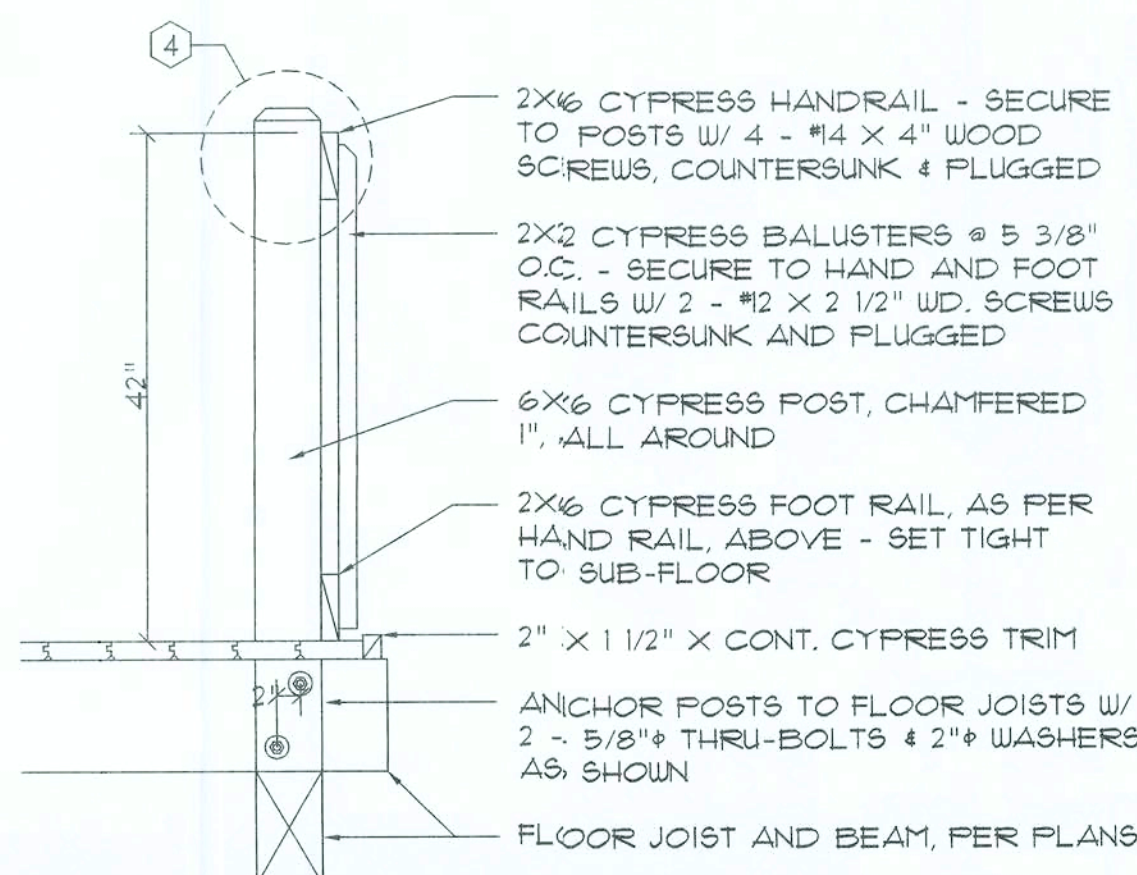
DETAILS

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



Exterior Railing SEC.

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



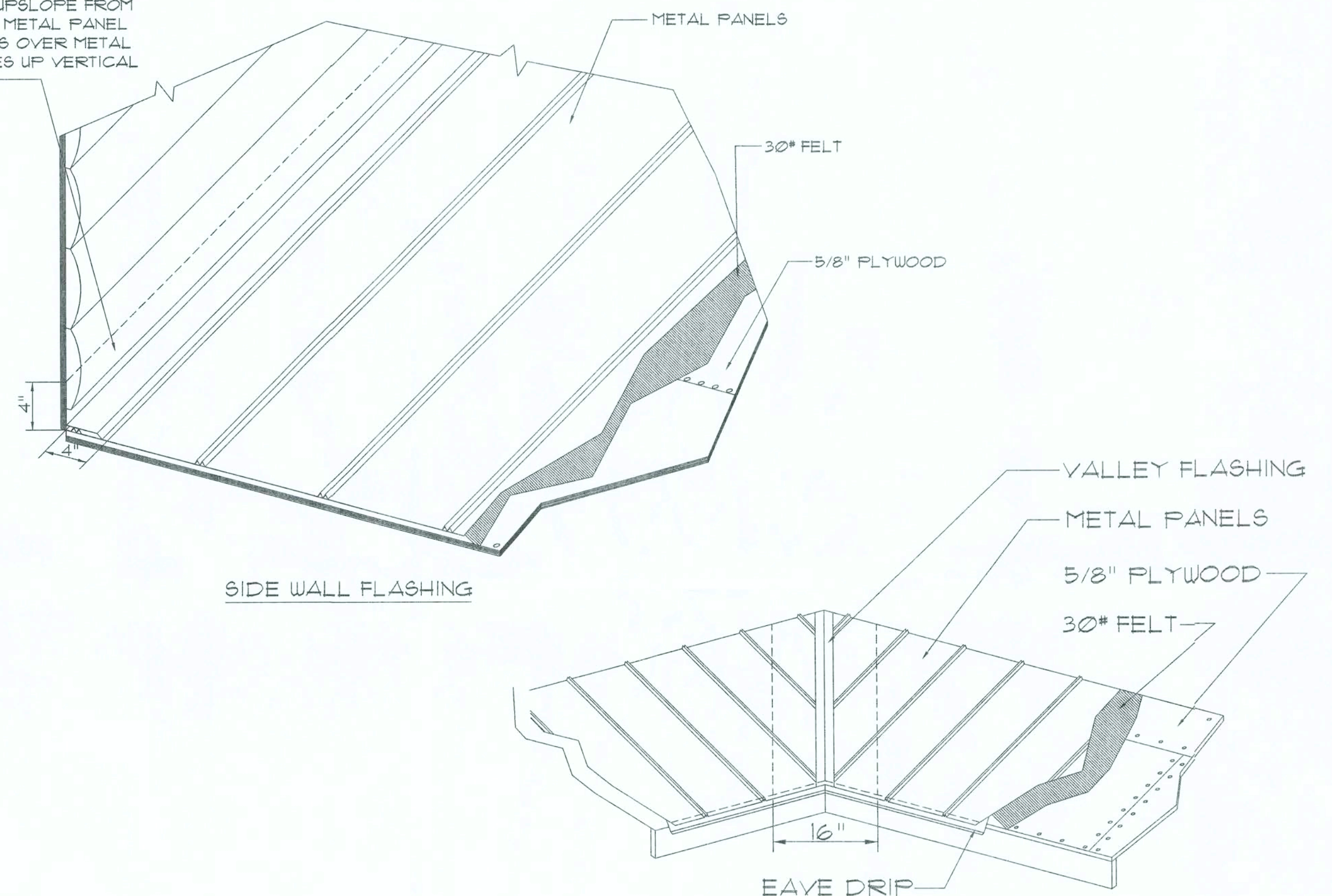
Interior Railing SEC.

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

GENERAL NOTES:

- ALL LUMBER SHALL BE SOUTHERN BALD CYPRESS (RED OR YELLOW), GRADE 2 OR A SPECIES AND GRADE HAVING EQUAL OR BETTER PERFORMANCE PROPERTIES, SUCH AS SYP #2 OR DF #2.
- FASTENERS SHALL BE AS FOLLOWS:
 - 12d GALVANIZED FINISH NAILS
 - 1/4" X 4" C.A.D. FLATED WOOD SCREWS
 - 1/2" X 3" C.A.D. FLATED WOOD SCREWS
 - 1/2" X 2 1/2" C.A.D. FLATED WOOD SCREWS
 - 5/8" THRU-BOLTS W/ 2" WASHERS
 REFER TO DETAILS FOR APPLICATION.
- INTERIOR WOOD SHALL BE SMOOTH SANDED READY FOR APPLIED FINISH, AS DIRECTED BY THE OWNER.
- EXTERIOR WOOD SHALL BE FINISHED TO MATCH WALL LOGS.
- 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.
- THRU-BOLTS SHALL BE INSTALLED IN HOLES DRILLED WITH BIT OF SAME DIAMETER AS SHANK OF BOLT, FOR A TIGHT, DRIVE FIT.
- 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.

FLASHING PLACED UPSLOPE FROM EXPOSED EDGE OF METAL PANEL EXTENDING 4 INCHES OVER METAL PANEL AND 4 INCHES UP VERTICAL UNDER LOG SIDING.



General Roofing NOTES:

- DECK REQUIREMENTS:
METAL PANELS MUST BE FASTENED TO MIN 5/8" CDX FLYWOOD.
- 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-792 AND D 7-98 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 330 OR F.A. 125.
- BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS.
- RC-1 - RIDGE CAP
 - ED-1 - EAVE DRIP
 - EF-3 - EAVE FLASHING
 - SW-1 - SIDEWALL FLASHING
 - EW-1 - ENDWALL FLASHING
 - GR-4 - GABLE END OR RAKE BOARD FLASHING
 - TF-1 - TRANSITION FLASHING
 - PV-2 - PREFORMED VALLEY FLASHING
 - BUTYL TAPE
 - SEALANT TAPE
 - PIPEBOOT

Optional Metal Roofing

SCALE: N.T.S.

MANUFACTURERS RECOMMENDED FASTENING SCHEDULE FOR BUILDINGS WITH <35' MEAN ROOF HEIGHT MINIMUM OF 3/12 BASED ON ASCE 7-98 (EXPOSURE C) 9M - RIB METAL ROOFING PANEL

ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	WIND SPEED REGION				WIND SPEED REGION			
				100-110 MPH		120-130 MPH		140-150 MPH			
				O.C.	TRIM AREAS	O.C.	TRIM AREAS	O.C.	TRIM AREAS	O.C.	TRIM AREAS
ZONE 1	WOOD SCREW	#3 x 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"		
	METAL SCREW	#12 x 1" #14 x 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"		
ZONES 2 & 3	WOOD SCREW	#3 x 1 1/2"	WOOD	36"	18"	24"	12"	16"	8"		
	METAL SCREW	#12 x 1" #14 x 7/8"	< 18 GA > 18 GA	36"	18"	24"	12"	16"	8"		

- UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 3:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
- STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
 - STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 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 0.019 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:
- OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF CORROSION RESISTANT METAL
 - OPEN VALLEYS: VALLEY LINING OF TWO PLIES 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.
 - CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
 - BOTH TYPES 1 AND 2 ABOVE COMBINED.
 - ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
 - SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1970.

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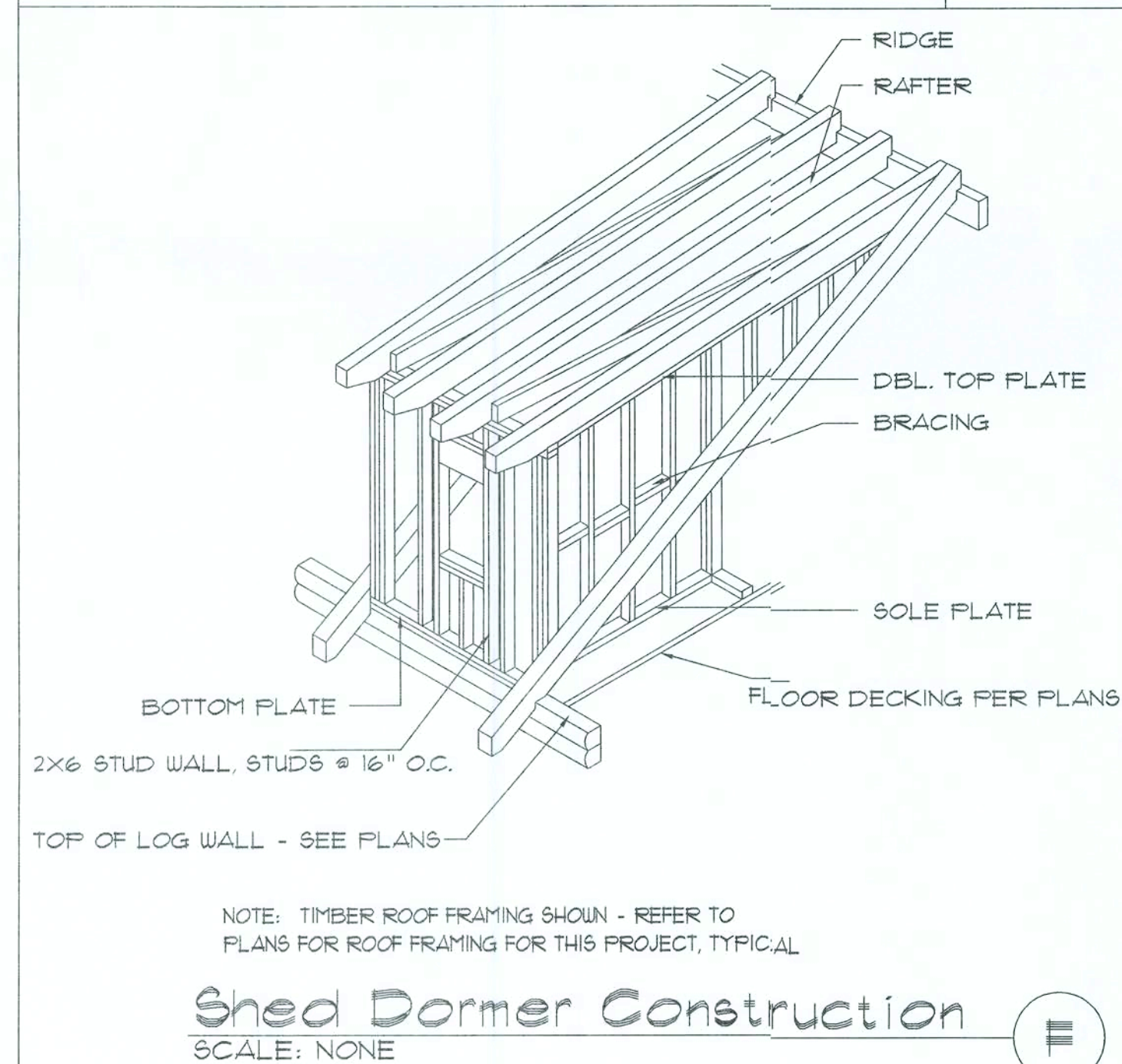
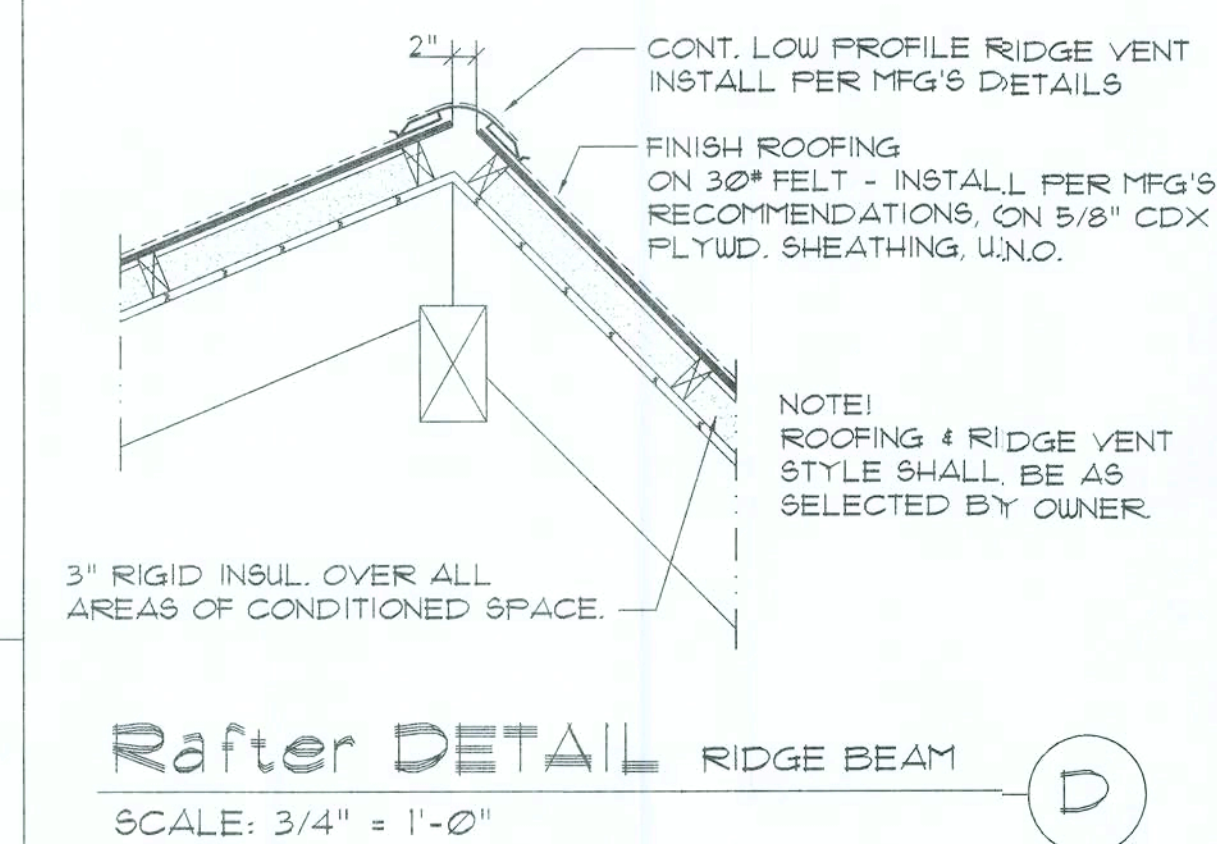
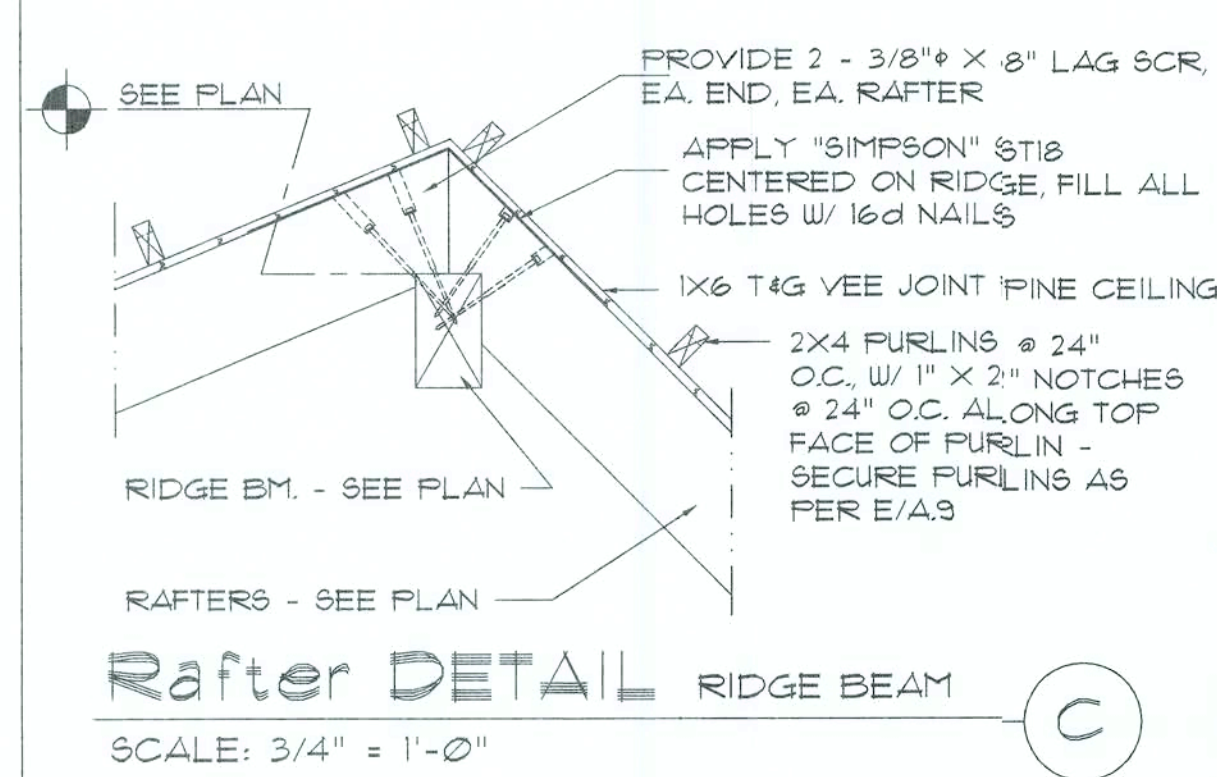
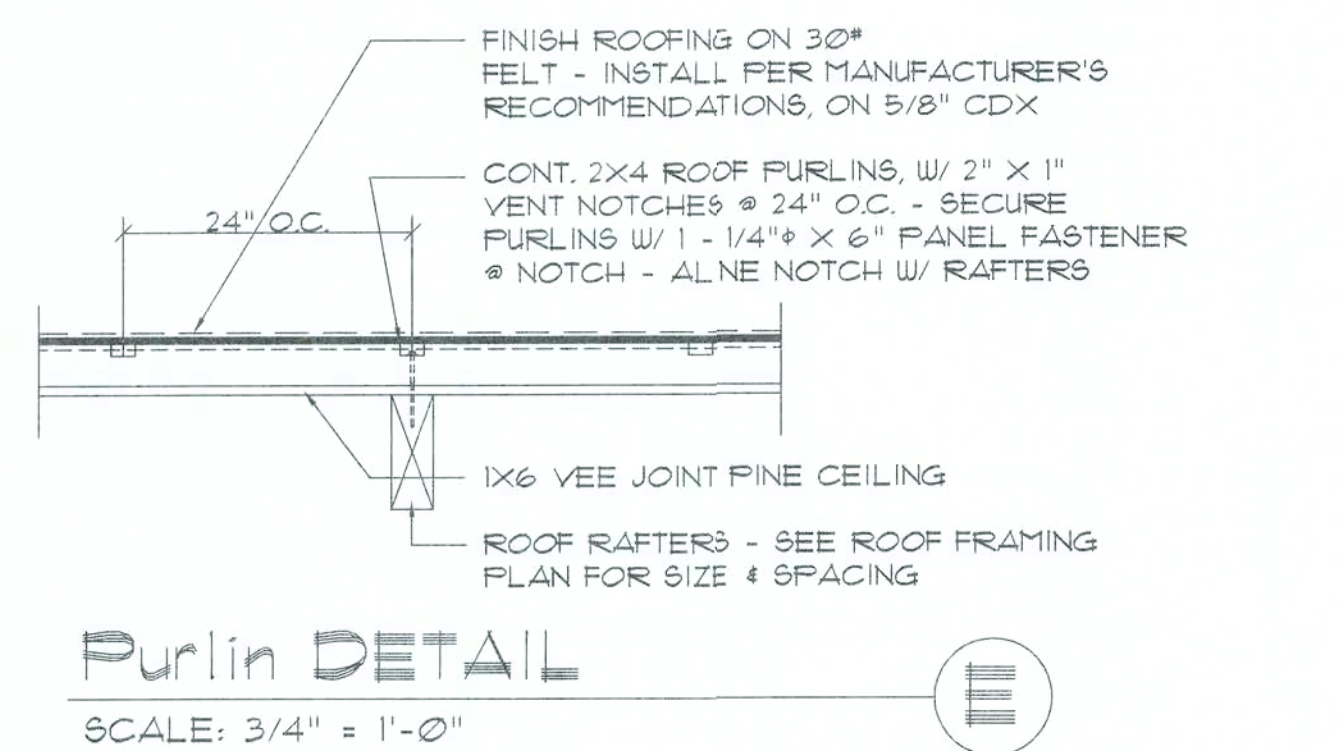
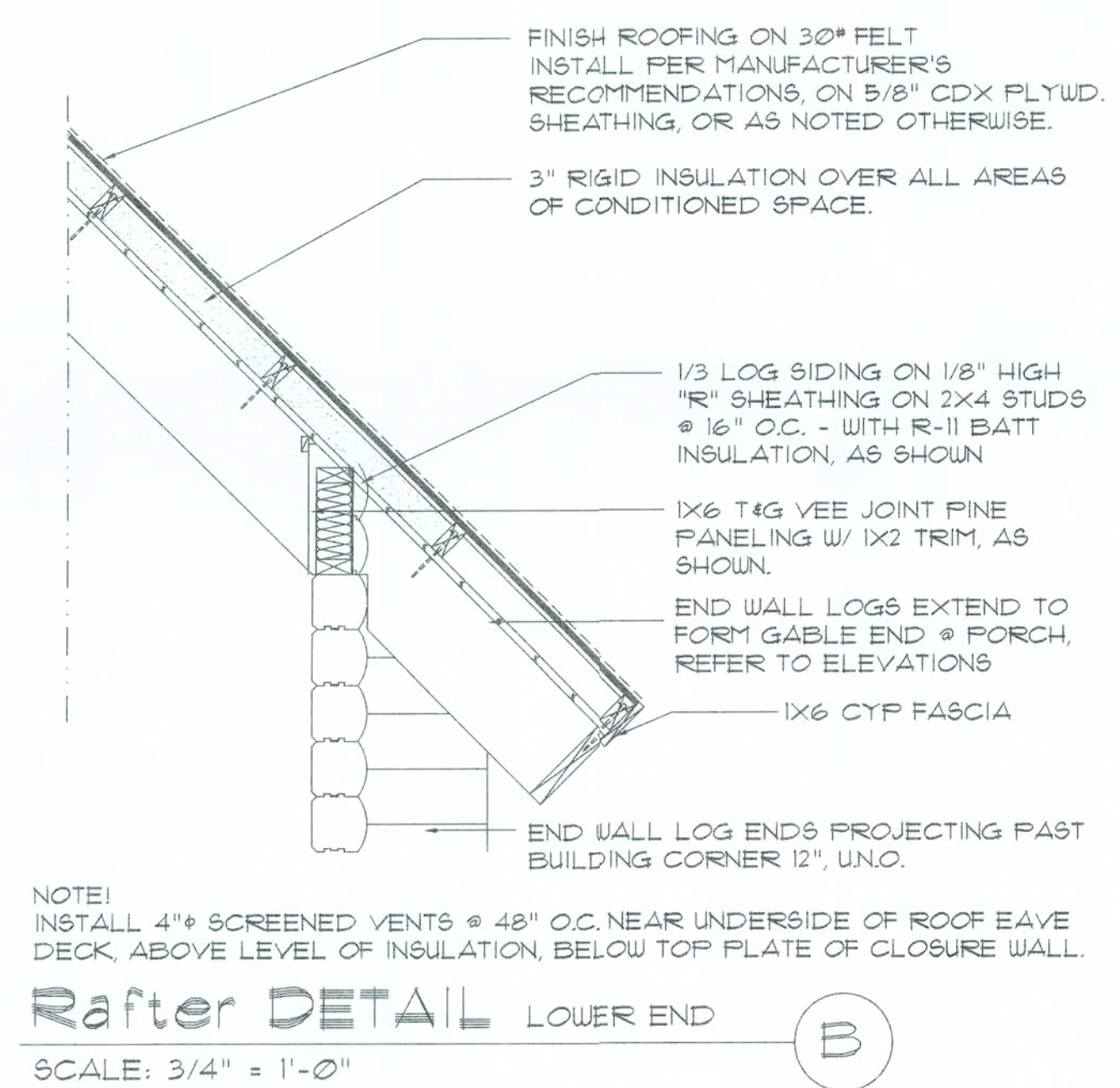
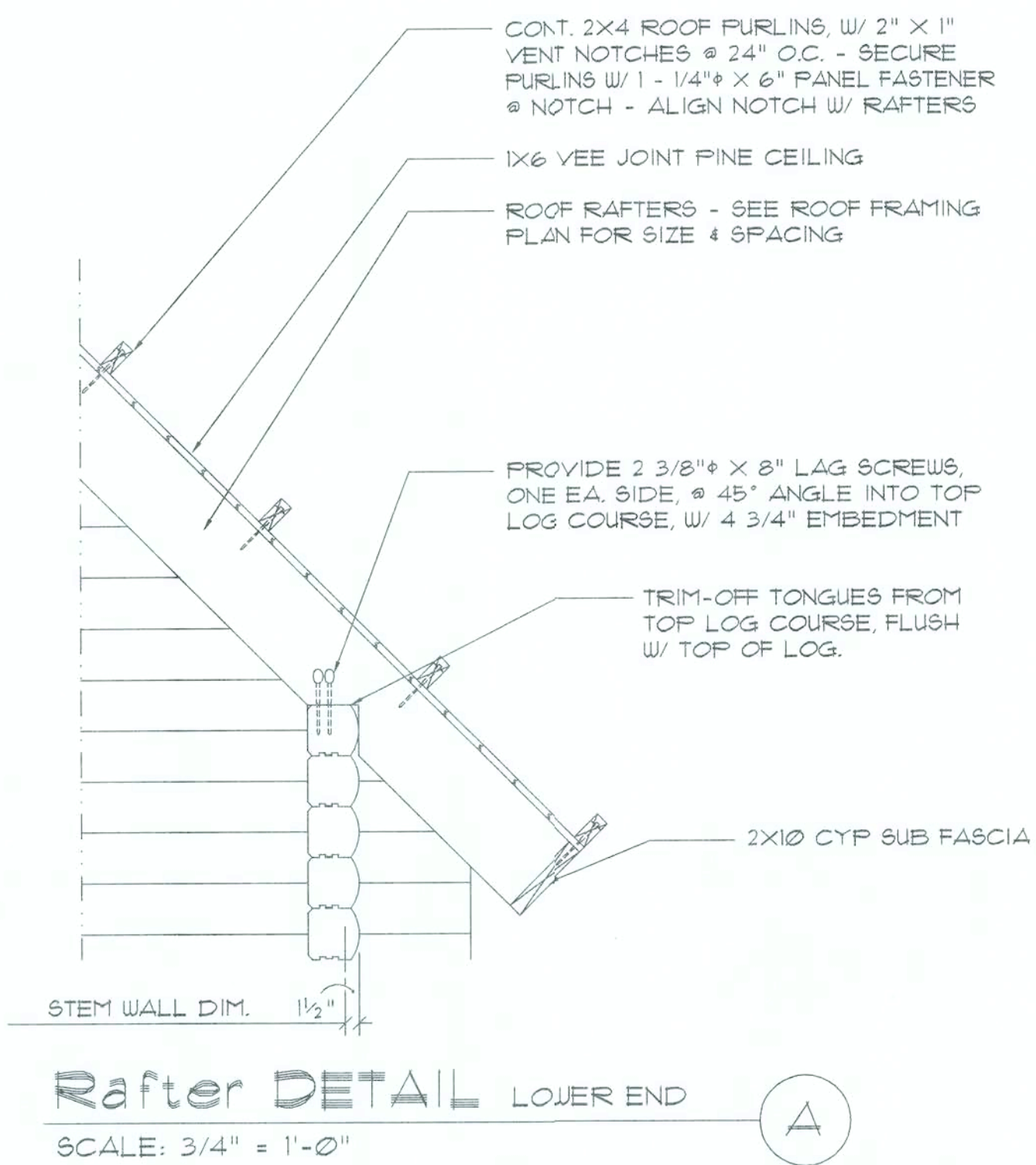
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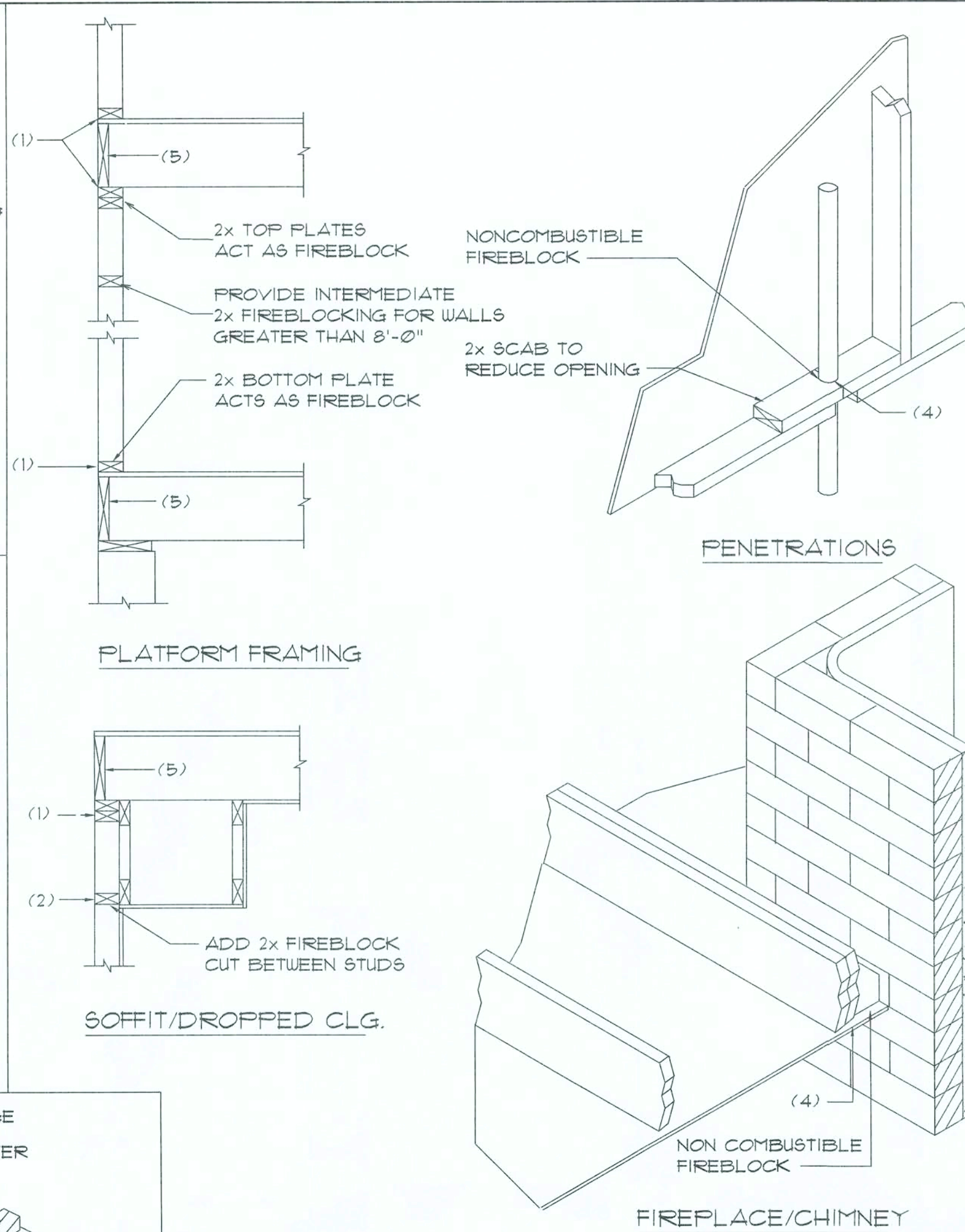
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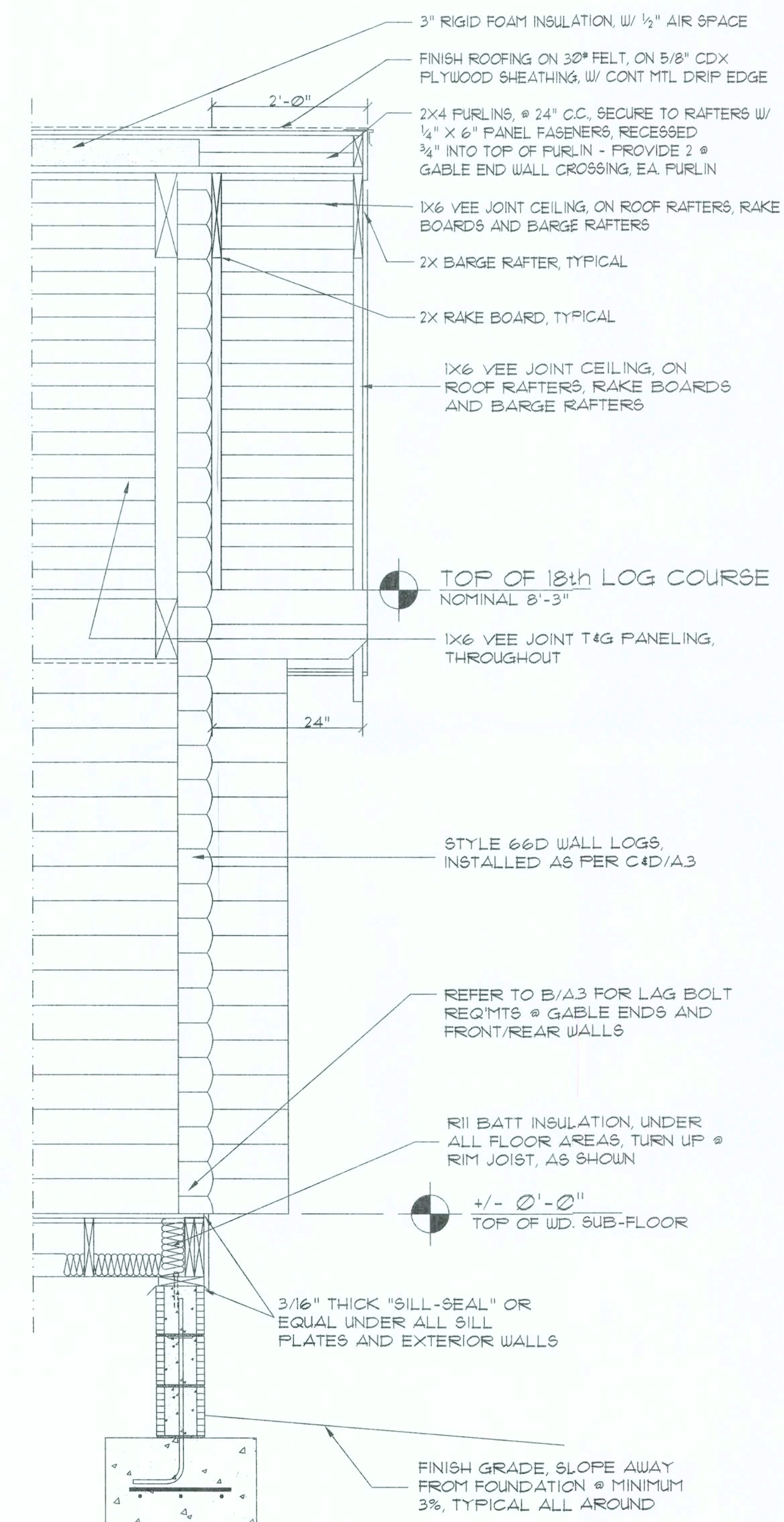
UNLESS OTHERWISE NOTED ALL DORMER WALL FRAMING TO BE 2X4 SFF #2 OR BETTER SEE CHART PAGE A8 (THIS SHEET) FOR UPLIFT ANCHORS

UPLIFT ANCHORS			
ANCHOR	LOCATION	ANCHOR	LOCATION
SIMPSON MT516	EACH RAFTER/TRUSS TO TRUSS SEAT	SIMPSON ST18	RAFTER TO RAFTER OVER RIDGE
SIMPSON SP1	SILL PLATE TO EACH STUD	SIMPSON ST18	PORCH RAFTER TO ROOF
SIMPSON SP2	TOP PLATE TO EACH STUD	SIMPSON 1212T	PORCH BEAM TO POST (OPTIONAL)
SIMPSON L55U28	RAFTER TO RIDGE BEAM	3/8" X 4" LAG	DORMER PLATE TO LOG WALL 24" O/C
SIMPSON L5526	RAFTER TO RIDGE BEAM	3/8" X 8" LAG	PORCH RAFTER TO PORCH BEAM



FIREBLOCKING NOTES:

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



REVISION:

DRAWN:

KEB

REVIEWED:

GJG

Custom Log Homes for:
Loyce J. Barnard
Columbia Co., FL

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KEB

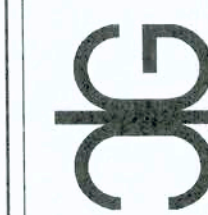
REVIEWED:

GJG

Custom Log Home for:
Loyce J. Barnard
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DATE:

24JAN07

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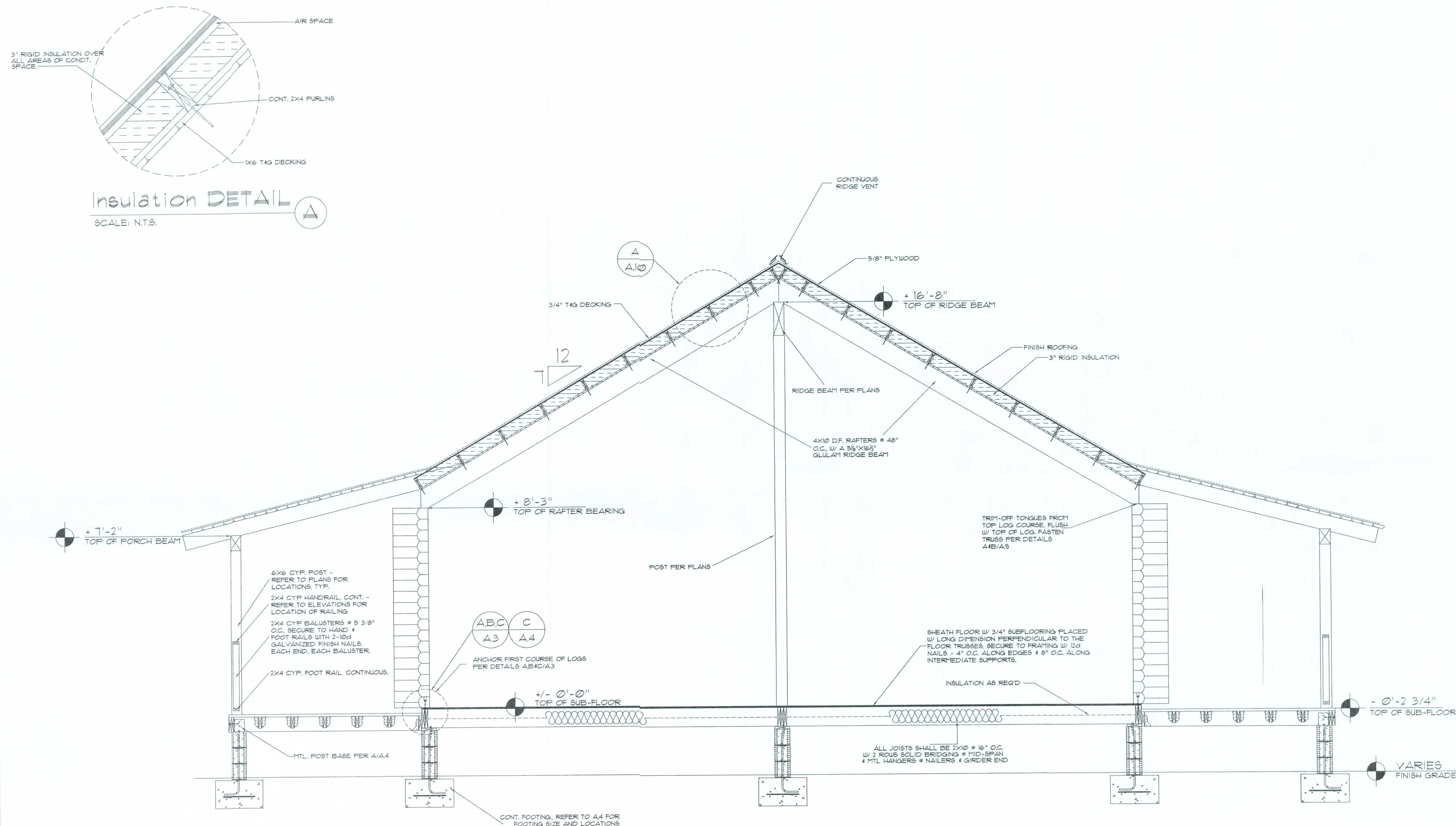
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12/1/07



Building Sectional

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