

A Custom Log Home for :

**Ted Smith**

Alachua Co. Florida

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ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 301, FLORIDA BUILDING CODE, 2006 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 TABLES 3012(2) (FBC 2006) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.4 PSF

REVISION:

DRAWN:

KEB

REVIEWED:

GJG

Custom Log Home for:  
**Ted Smith**  
Alachua Co., FL

GARY J. GILBERT  
Professional Engineer  
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Live Oak, FL 32064  
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Auth.# 9461



GUYANNEE RIVER  
LOG HOMES, INC.  
Manufacturers of  
Log Homes  
Specializing in Log Homes & Cedar Custom Homes  
4245 HIGHWAY 90, WELLSBORO, FLORIDA 32094  
(386) 362-3678 / (386) 362-6133

DATE:

10SEP09

COM:

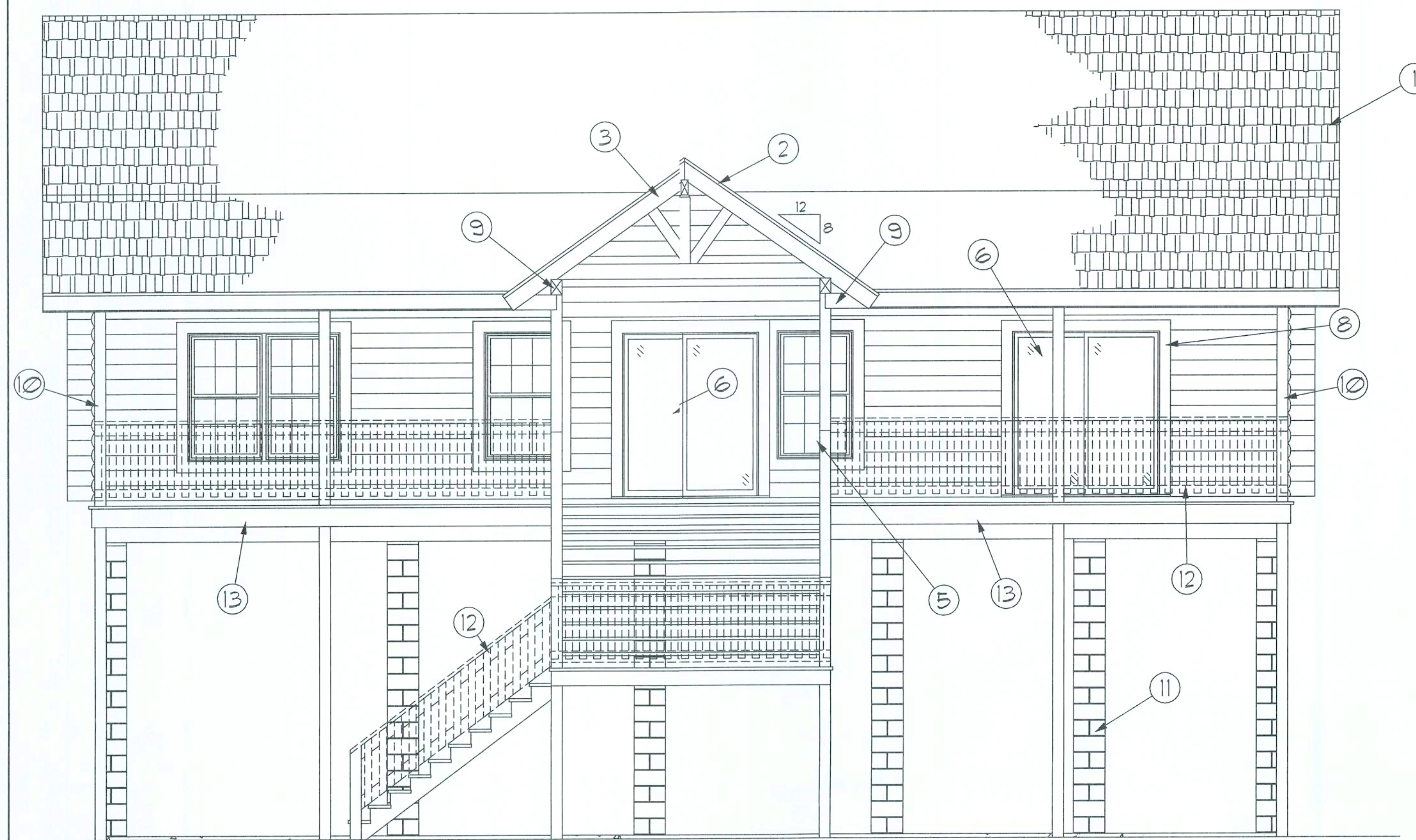
L0932

SHEET:

C6

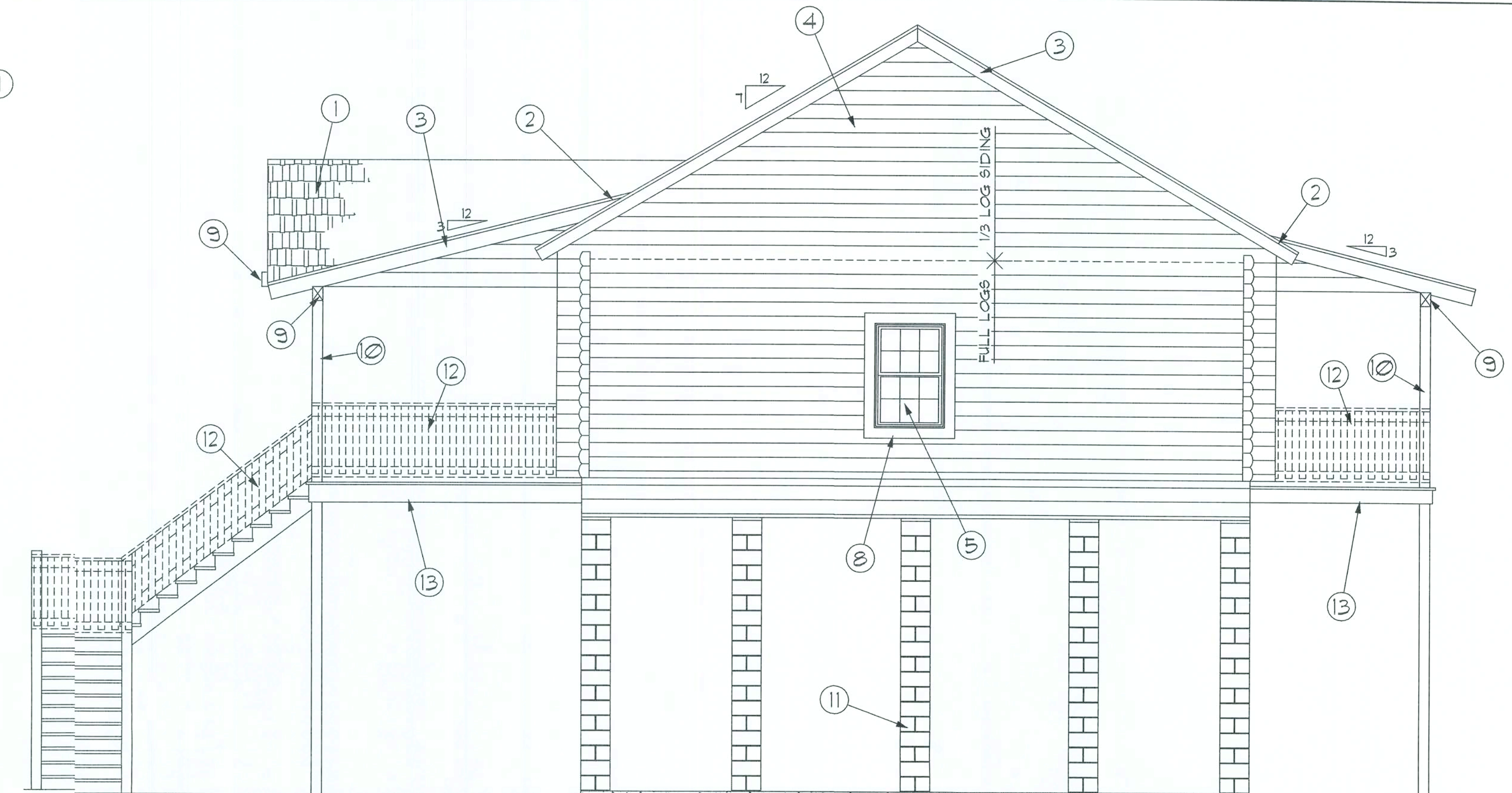






Front ELEVATION

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

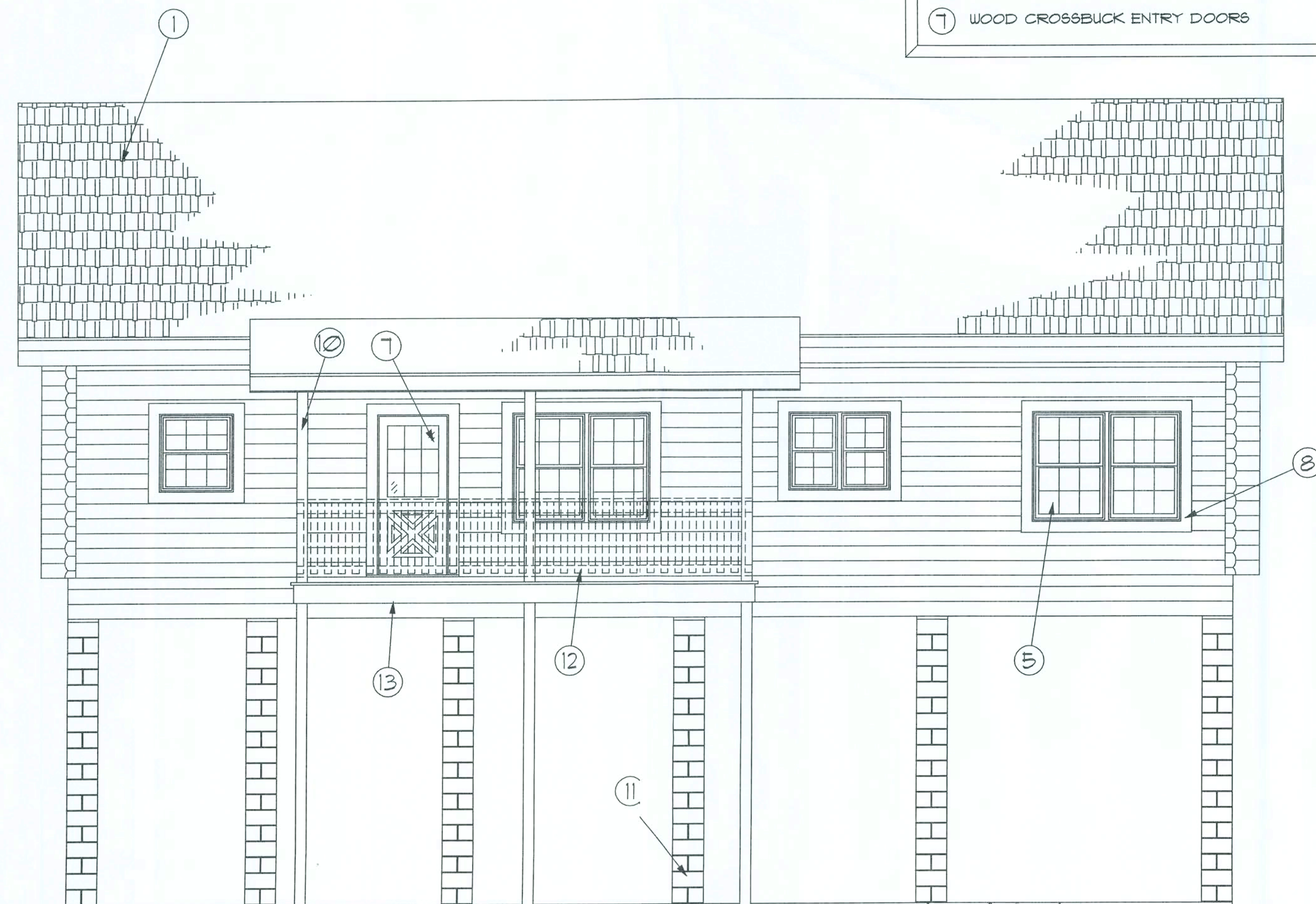


Left Side ELEVATION

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

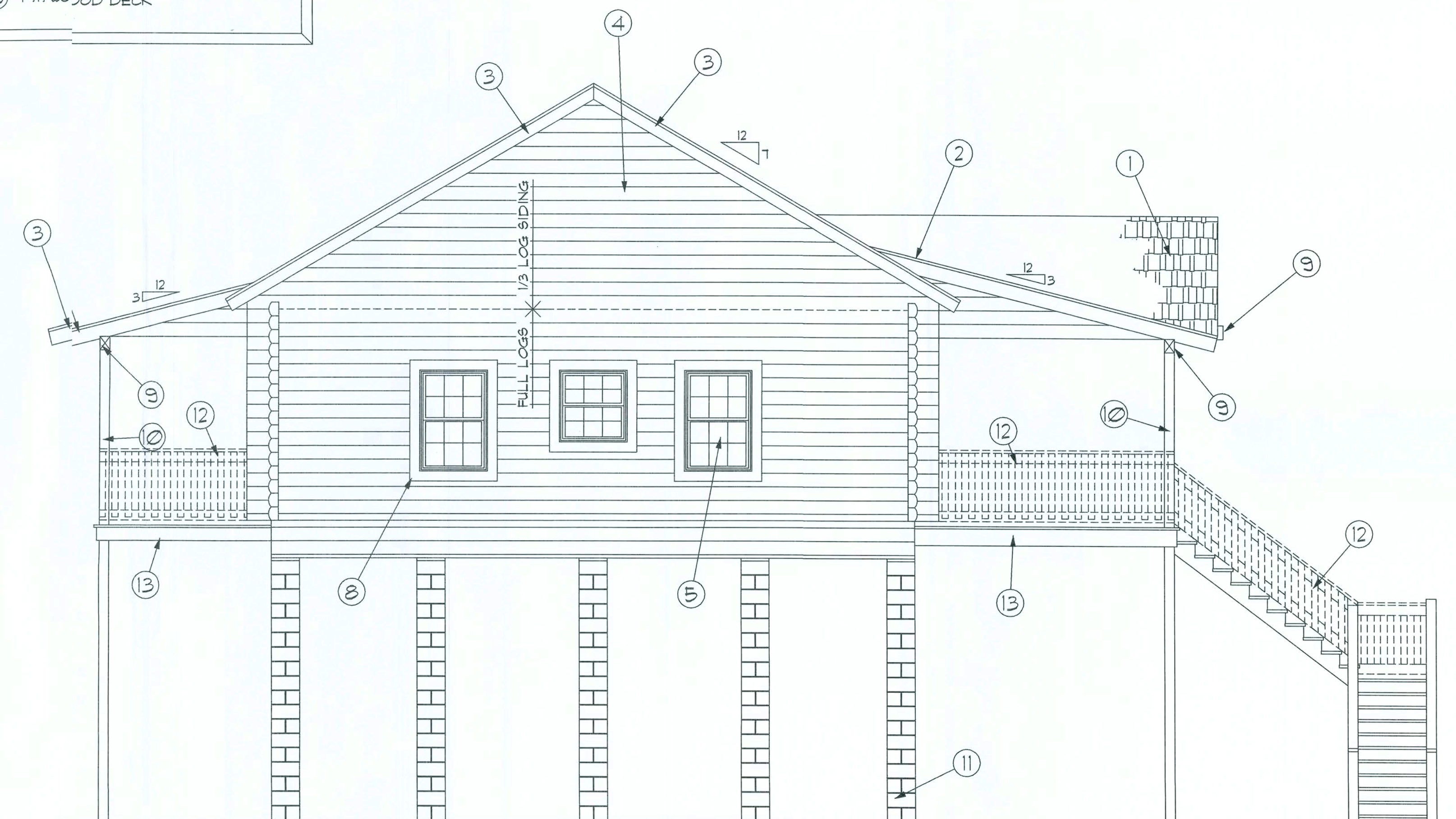
GENERAL NOTES:

- |  |  |
|--|--|
| 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 PORCH POSTS PER PLAN                               |
| ④ LOG SIDING TO MATCH LOG WALLS          | ⑪ MASONRY FOUNDATION - REFER TO PAGE A-4 FOR DETAILS     |
| ⑤ DBL. HUNG WOOD WINDOWS W/ DBL. GLAZING | ⑫ 2X4 CYPRESS RAILING - SEE A-4 FOR DETAILS              |
| ⑥ WOOD SLIDER ENTRY DOORS                | ⑬ F.T. WOOD DECK   |
| ⑦ WOOD CROSSBUCK ENTRY DOORS             |  |



Rear ELEVATION

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



Right Side ELEVATION

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

REVISION:

DRAWN:

KEB

REVIEWED:

GJG

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Alachua Co., FL

Gary J. Gill, PE 51942  
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4545 Highway 90, Williston, VT 05494, USA  
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DATE:  
10SEP03

COMP:  
L0932

SHEET:

A.1  
1 of 8





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. 4 IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N., DESCRIPTION 4 BRKR. SERVICE ENT. 4 ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYFE 4 EQUIPMENT TYPE W/ RATINGS 4 LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER 4 1 COPY TO THE PERMIT ISSUING AUTHORITY.

ALL RECEPTACLES SHALL BE ON AFCI PROTECTED CIRCUITS EXCEPT DEDICATED CIRCUITS, COUNTERTOP CIRCUITS AND INDICATED GFCI PROTECTED OUTLETS.

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 NEC 2006 AND NEC 2008.

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 LOCATIONS 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.

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! HVAC CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. 4 BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER 4 1 COPY TO THE PERMIT ISSUING AUTHORITY.

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

NOTE! PROVIDE TURNING VANES @ DUCT TURNS 4 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 DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

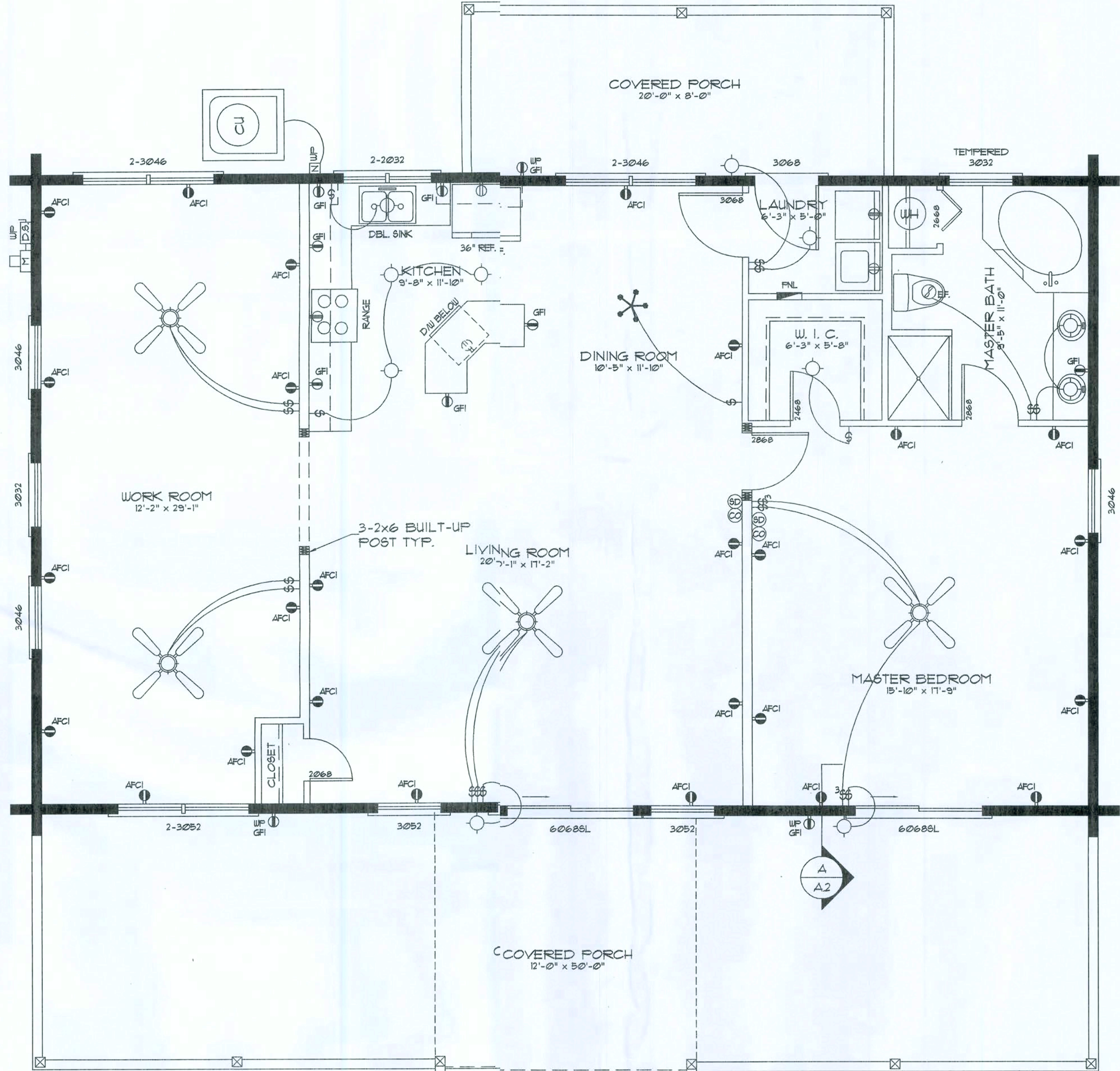
ELECTRICAL COMPUTATIONS

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			
4500.0w			
EWH			
3200.0w			
Spares (8 @ 400w)			
12000.0w			
Sub-Total			
Load @ 75% D.F.			
9075.0w			
100% Demand Factor Loads:			
Dryer			
5000.0w			
Range			
8000.0w			
HVAC System (4.0T Heat Pump)			
4800.0w			
Total Demand Load:			
33025.0w			

FEEDER SIZE: 33025.0w / 240v = 137.60 amperes  
USE: 3 #2/0 THW w/ 1 # Cu GND / 2 1/2" C.  
PANEL: 200A - MLO - 120/240V - 1φ - 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.
- INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH UL Design U333. BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
- INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH UL Design U333, INCLUDING R-II BATT INSULATION.
- CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRE CODE "C" GUB ON 1X3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.
- LOG WALLS SHALL BE ASSEMBLED IN ACCORDANCE WITH AS DETAILS FOUND IN THESE CONSTRUCTION DOCUMENTS, ALONG WITH THE APPLICABLE STRUCTURAL NOTES. LOG ENDS SHALL BE TRIMMED AS REQUIRED FOR A TIGHT, PLUMB AND TRUE FIT - REFER TO AS DETAILS FOR ADDITIONAL INFORMATION.
- ALL REFERENCED CYPRESS MAY BE SUBSTITUTED WITH A SPECIES AND GRADE OF EQUAL OR BETTER PERFORMANCE VALUES.



Electrical Symbols

SPST WALL SWITCH	NON-FUSED DISC. SW. WEATHER PROOF
DPDT WALL SWITCH (3-WAY)	INC. LIGHT FIXTURE
DUPLEX WALL RECEPTACLE	SMOKE DETECTOR, 120V
DUPLEX WALL RECEPT., BELOW COUNTER	CARBON MONOXIDE DETECTOR, 120V
240V OUTLET	ELECTRICAL PANEL
GFCI DUPLEX RECEPTACLE	EX. 14.1ST FAN
WEATHER PROOF GFCI DUPLEX RECEPT.	AT 21 DUPLEX WALL RECEPTACLE
CEILING FAN W/ INC. LIGHT FIXTURE	HANGING CHANDELIER

AREA CALCULATION

GROSS LIVING AREA:	1500.00 SF
COVERED PORCH AREA:	760.00 SF
TOTAL AREA:	2260.00 SF

Electrical Floor Plan

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

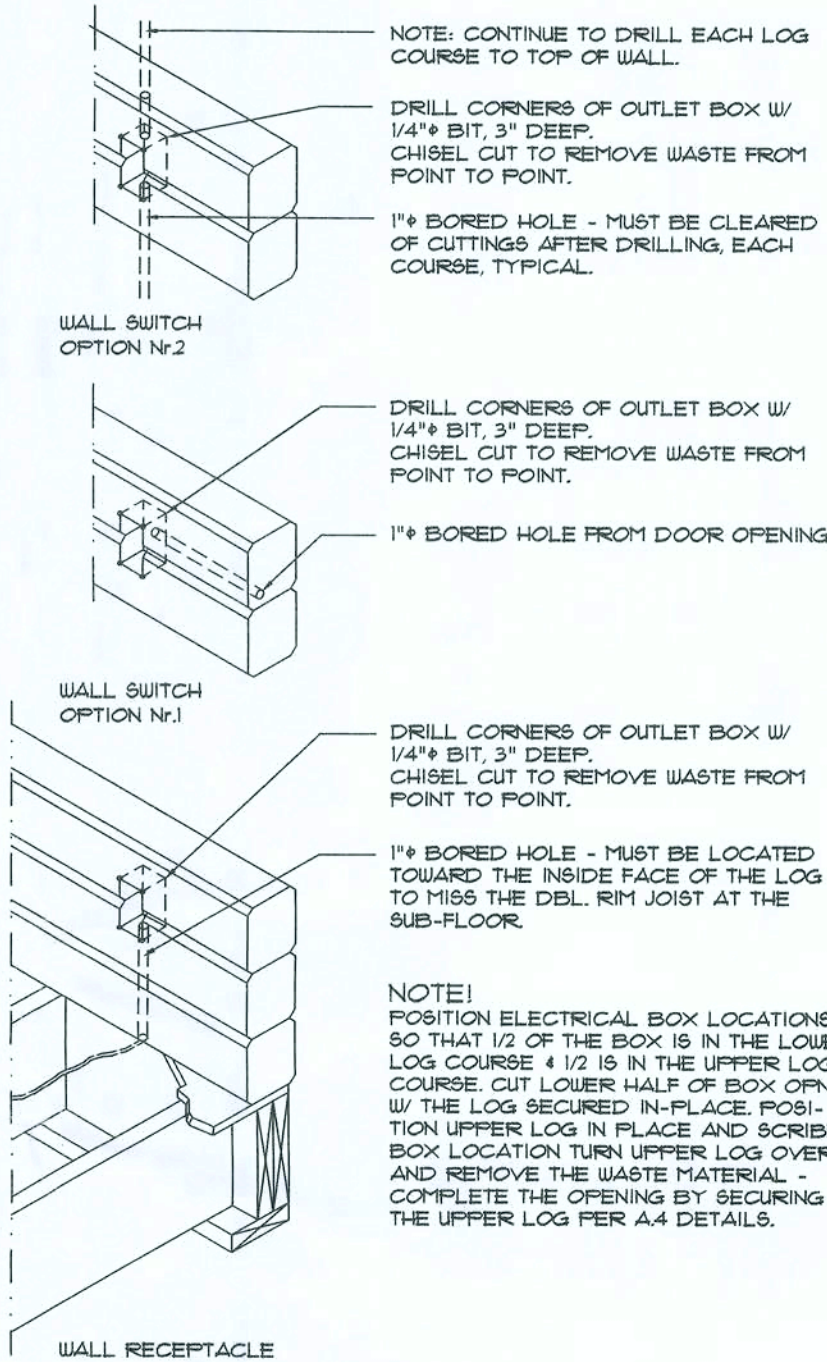
WINDOW SCHEDULE

C.O.	R.O.	S.O.	DESCRIPTION	FASTENING	HEADERS
2-2032	4'-3 1/16" x 3'-5 1/8"	3'-0" x 3'-2"	TUN - DBL HUNG ALUM. GLAD WOOD FRESH TILT WINDOW	8d COPPER NAILS @ 8" O.C.	2-6x8 10" LOGS
2-3046	6'-3 1/16" x 4'-5 1/8"	3'-0" x 4'-6"	TUN - DBL HUNG ALUM. GLAD WOOD FRESH TILT WINDOW	8d COPPER NAILS @ 8" O.C.	2-6x8 10" LOGS
2-3052	6'-3 1/16" x 5'-5 1/8"	3'-0" x 5'-2"	TUN - DBL HUNG ALUM. GLAD WOOD FRESH TILT WINDOW	8d COPPER NAILS @ 8" O.C.	2-6x8 10" LOGS
3052	3'-2 1/4" x 3'-5 1/8"	3'-0" x 3'-2"	DBL HUNG ALUM. GLAD WOOD FRESH TILT WINDOW	8d COPPER NAILS @ 8" O.C.	1-6x8 10" LOGS
3046	3'-2 1/4" x 4'-5 1/8"	3'-0" x 4'-6"	DBL HUNG ALUM. GLAD WOOD FRESH TILT WINDOW	8d COPPER NAILS @ 8" O.C.	1-6x8 10" LOGS
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DOOR SCHEDULE

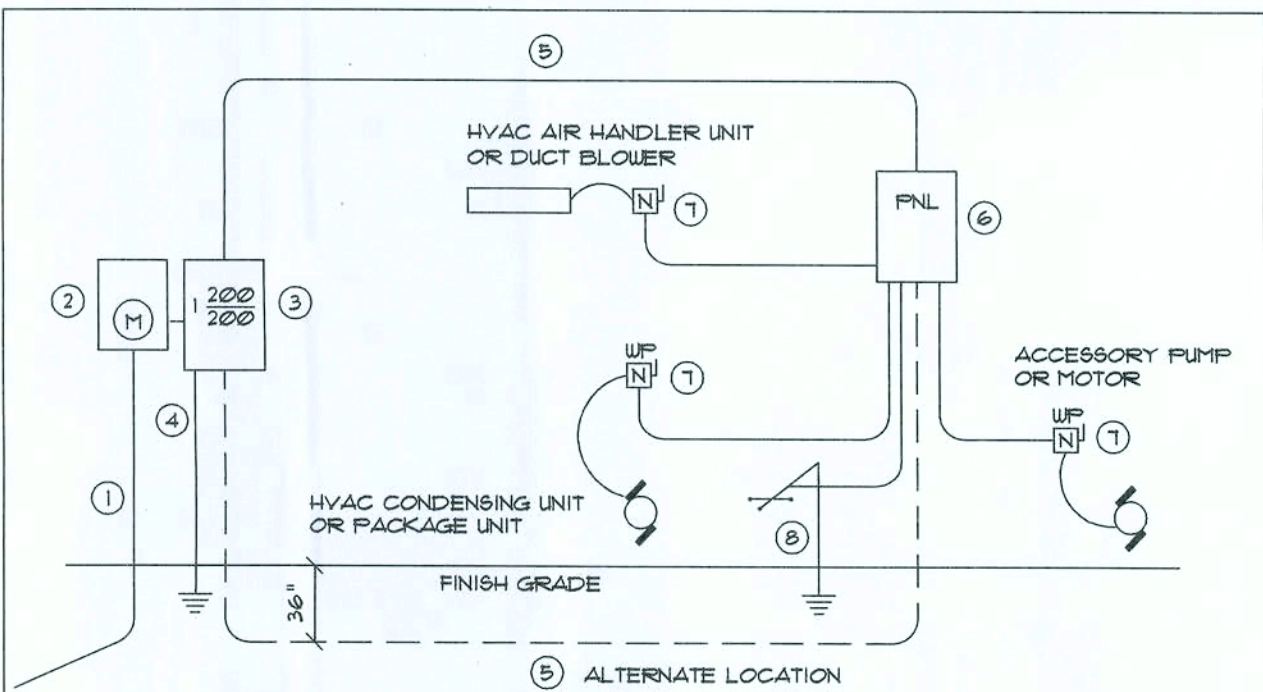
C.O.	R.O.	S.O.	DESCRIPTION	FASTENING	HEADERS
3068	3'-2 5/8" x 6'-1 1/4"	3'-0" x 6'-8"	WOOD CROSSBUCK ENTRY DOOR	8d COPPER NAILS @ 8" O.C.	1-6x8 10" LOGS
6068SL	6'-3 1/4" x 6'-1 1/4"	6'-0" x 6'-8"	DBL WOOD GLAD SLIDER ENTRY DOOR	8d COPPER NAILS @ 8" O.C.	2-6x8 10" LOGS

NOTE! ALL WINDOW 4 DOOR ROUGH OPENING SIZES DO NOT INCLUDE THE SUB-BUCKS. ALL WINDOWS 4 DOORS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY "MWINDOW" (MWINDOW AND PATIO DOORS CO. ROCKY MOUNT, VIRGINIA, 24811) - OTHER MANUFACTURERS SHALL BE CONSIDERED AS "EQUAL" - OWNER SHALL VERIFY R.O. SIZES ARE REQUIRED. NOTE, VERIFY EGRESS WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION. NOTE, VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION. NOTE, DO NOT SPLICE LOGS OVER WINDOWS AND DOORS.



Log Elec. Box DETAIL

SCALE: N.T.S.



- SERVICE/FEEDER ENTRANCE CONDUCTORS, 2 1/2" RIGID CONDUIT, MIN. 3/4" DEEP W/ CONTINUOUS GROUND BONDING CONDUCTOR (SERVICE) ENTRANCE CONDUCTORS SHALL NOT BE SPLICED EXCEPT THAT BOLTED CONNECTIONS AT THE METER DISCONNECTING DEVICES AND PANEL SHALL BE ALLOWED.
- 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 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, 3-1/2" USE-CU, 1-1/4" CU-GND, 2 1/2" CONDUIT.
- HOUSE PANEL (P.NL), 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 22000 AIC.

ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE

REVISION:

DRAWN:

KEB

REVIEWED:

GJG

Custom Log Home for:  
**Ted Smith**  
Columbia Co., FL

Gary J. Gill, PE 51942  
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DATE:

01SEP08

CODE:

L0932

SHEET:

A.2

2 OF 8



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.

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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 FBC 2006 AND NEC 2008.

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.

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 DWGS 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 W/M.

NOTE!

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

PLUMBING "AS-BUILT" DRAWINGS

ELECTRICAL COMPUTATIONS

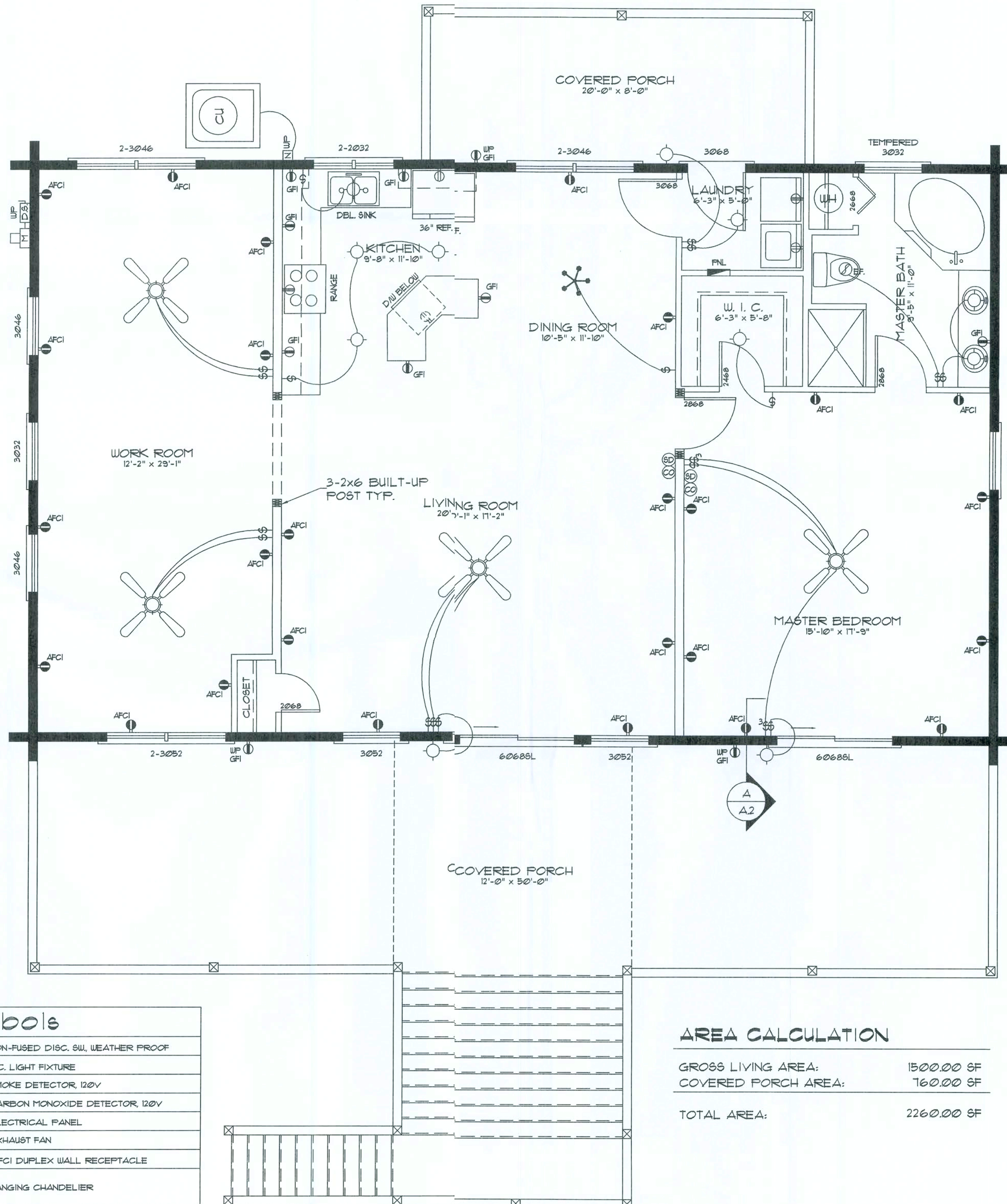
General Lighting/Receptacles @ 3w/sf		
1500.00 sf x 3w =	4500.0w	
Washer Circuit	1500.0w	
Dishwasher Circuit	1500.0w	
Sm. Appliance Circuits (3 @ 1500w)	4500.0w	
Sub-Total		
1st 3KW @ 100%	12000.0w	3000.0w
Bal. of KW @ 35%		3150.0w
Fixed Appliances:		
Refrigerator	1200.0w	
Cig. Fans (4 @ 200w)	800.0w	
Pump Pump	1200.0w	
Water Well Pump	1200.0w	
EUH	4500.0w	
Spare (8 @ 400w)	3200.0w	
Sub-Total		
Load @ 75% D.F.	12100.0w	9075.0w
100% Demand Factor Loads:		
Dryer	5000.0w	
Range	8000.0w	
HVAC System (4.0T Heat Pump)	4800.0w	
Total Demand Load:		
	33025.0w	

FEEDER SIZE: 33025.0w / 240v = 137.60 amperes  
USE: 3 #2/0 THW w/ 1 # Cu GND / 2 1/2" C.  
PANEL: 200A - MLO - 120/240V - 1ø - 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.
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- 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.
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- 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.

- INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
- INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-II BATT INSULATION.
- CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRE CODE "C" GIB ON 1X3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.
- LOG WALLS SHALL BE ASSEMBLED IN ACCORDANCE WITH AS DETAILS FOUND IN THESE CONSTRUCTION DOCUMENTS, ALONG WITH THE APPLICABLE STRUCTURAL NOTES, LOG ENDS SHALL BE TRIMMED AS REQUIRED FOR A TIGHT, FLUSH AND TRUE FIT - REFER TO AS 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"

WINDOW SCHEDULE					
C.O.	R.O.	S.O.	DESCRIPTION	FASTENING	HEADERS
2-2032	4'-3 1/16" x 3'-5 1/8"	2'-0" x 3'-2"	TWIN - DBL HUNG ALUM CLAD WOOD PREMIUM "TILT" WINDOW	8d COPPER NAILS @ 8" O.C.	2-6x8 "D" LOGS
2-3046	6'-3 1/16" x 4'-9 1/8"	3'-0" x 4'-6"	TWIN - DBL HUNG ALUM CLAD WOOD PREMIUM "TILT" WINDOW	8d COPPER NAILS @ 8" O.C.	2-6x8 "D" LOGS
2-3052	6'-3 1/16" x 5'-5 1/8"	3'-0" x 5'-2"	TWIN - DBL HUNG ALUM CLAD WOOD PREMIUM "TILT" WINDOW	8d COPPER NAILS @ 8" O.C.	2-6x8 "D" LOGS
3032	3'-2 1/4" x 3'-5 1/8"	3'-0" x 3'-2"	DBL HUNG ALUM CLAD WOOD PREMIUM "TILT" WINDOW	8d COPPER NAILS @ 8" O.C.	1-6x8 "D" LOGS
3046	3'-2 1/4" x 4'-9 1/8"	3'-0" x 4'-6"	DBL HUNG ALUM CLAD WOOD PREMIUM "TILT" WINDOW	8d COPPER NAILS @ 8" O.C.	1-6x8 "D" LOGS
3052	3'-2 1/4" x 5'-5 1/8"	3'-0" x 5'-2"	DBL HUNG ALUM CLAD WOOD PREMIUM "TILT" WINDOW	8d COPPER NAILS @ 8" O.C.	1-6x8 "D" LOGS

DOOR SCHEDULE					
C.O.	R.O.	S.O.	DESCRIPTION	FASTENING	HEADERS
3068	3'-2 5/8" x 6'-11"	3'-0" x 6'-8"	WOOD CROSSBUCK ENTRY DOOR	8d COPPER NAILS @ 8" O.C.	1-6x8 "D" LOGS
6068SL	6'-3 1/4" x 6'-11"	6'-0" x 6'-8"	DBL WOOD CLAD SLIDER ENTRY DOOR	8d COPPER NAILS @ 8" O.C.	2-6x8 "D" LOGS

NOTE!

ALL WINDOW & DOOR ROUGH OPENING SIZES DO NOT INCLUDE THE SUB-BUCKS.

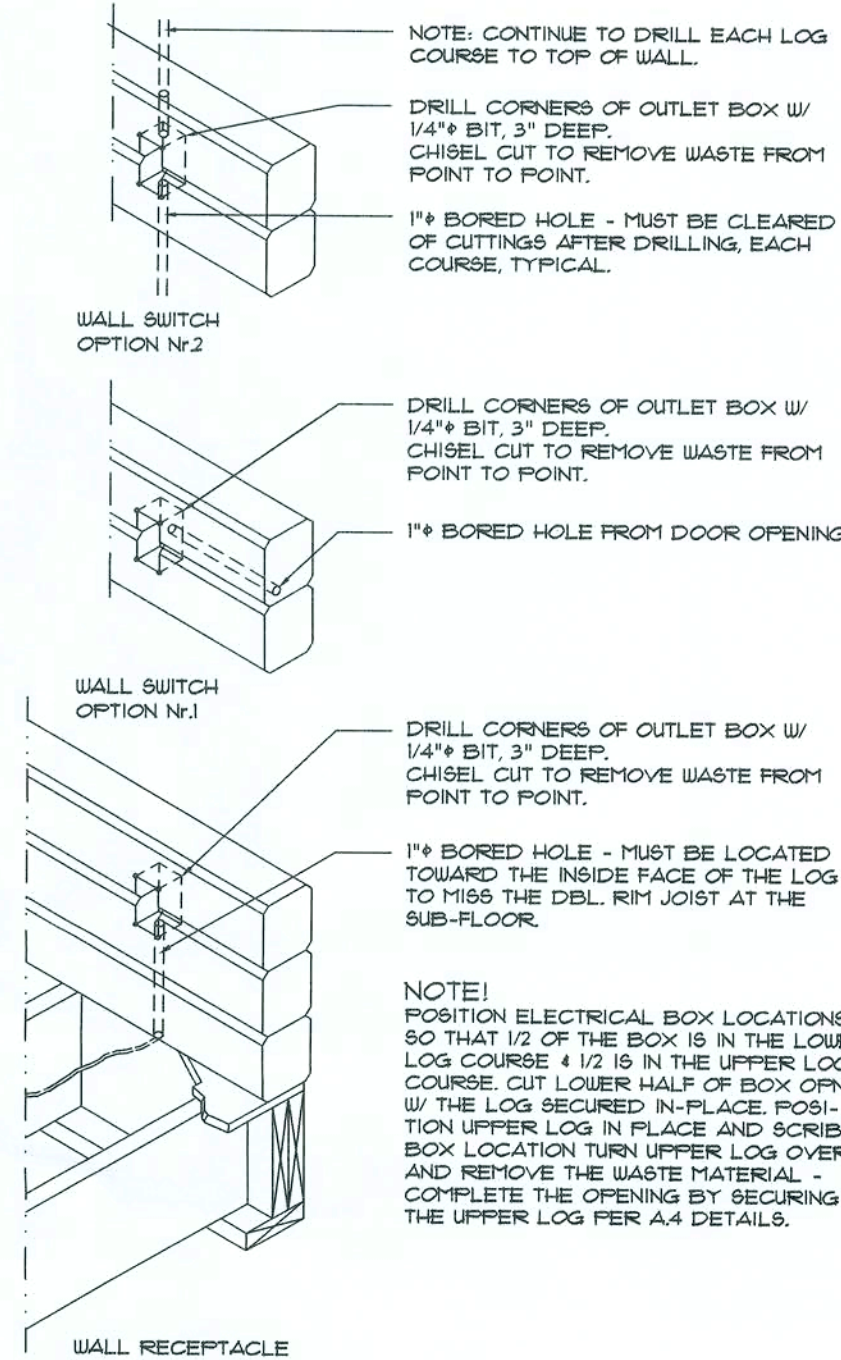
ALL WINDOWS & DOORS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY "MUNDOUS"

(MUNDOUS AND PATIO DOORS CO., ROCKY MOUNT, VIRGINIA, 24151) - OTHER MANUFACTURERS SHALL BE CONSIDERED AS "EQUAL" - OWNER SHALL VERIFY R.O. SIZES REQUIRED.

NOTE, VERIFY EGRESS WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

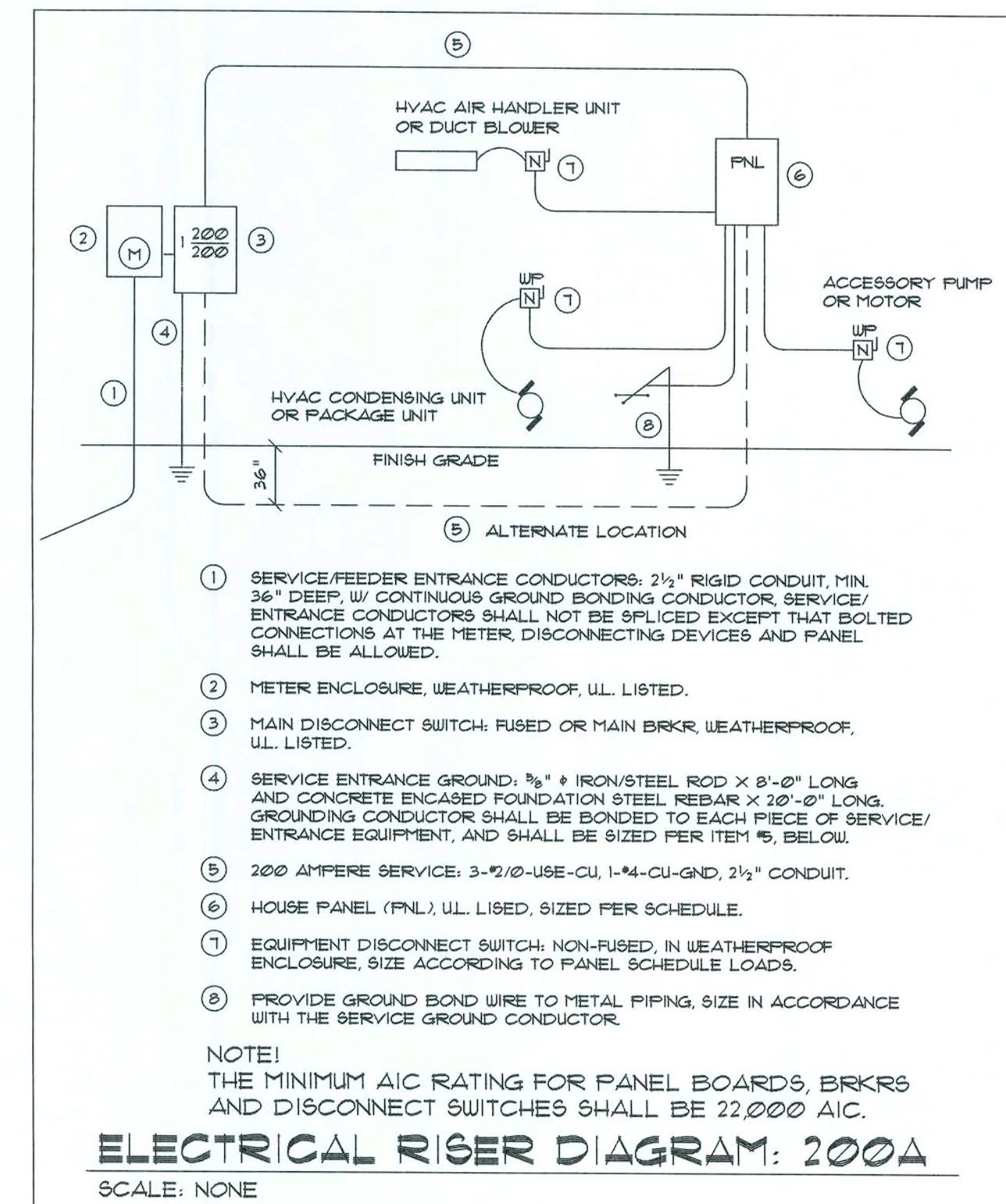
NOTE, VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

NOTE, DO NOT SPLICE LOGS OVER WINDOWS AND DOORS.



Log Elec. Box DETAIL

SCALE: N.T.S.



NOTE!

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

ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE

REVISION

DRAWN

KEB

REVIEWED

GJG

Custom Log Home for:

Ted Smith  
Alachua Co., FL

Gary J. Gill, PE 51942  
P.O. Box 181  
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SULLIVAN RIVER  
LOG HOMES, INC.  
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804.963.1068/964.717 / 1800.967.1068/964.717

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2 OF 8

1/9/07



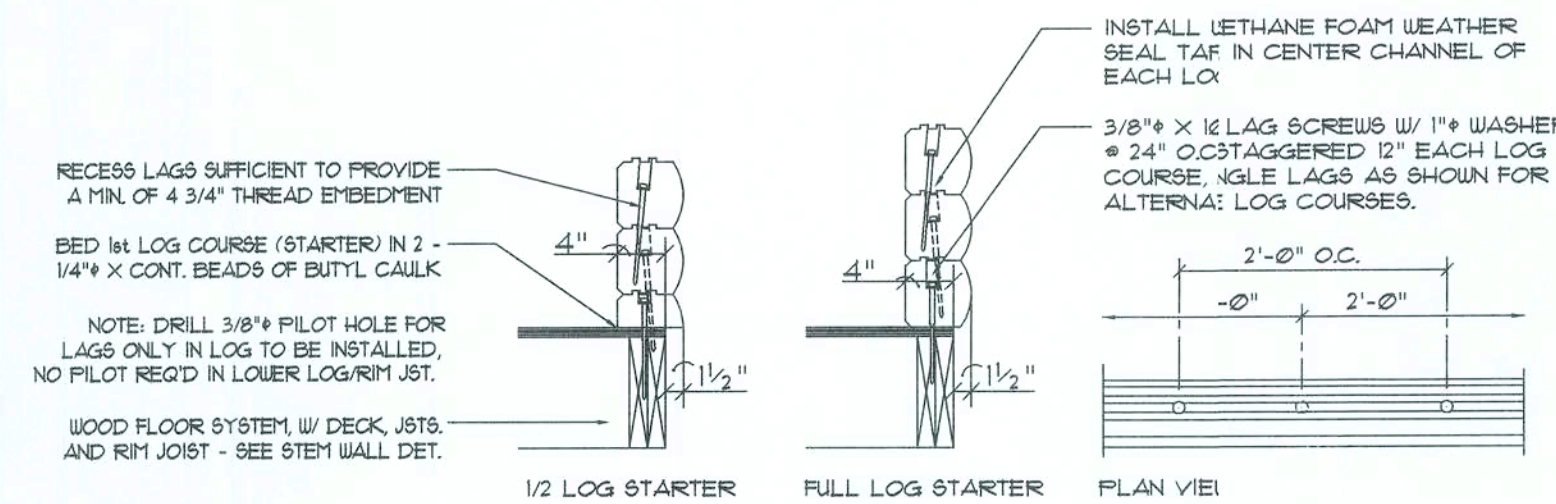
2X WOOD FRAMING @ 16" O.C. W/  
1/3 LOG SIDING ON 3/8" FELT ON  
1/2 PLYWOOD SHEATHING TYP.

CONT. METAL FLASHING  
BETWEEN FELT & SHEATHING

WALL LOGS - REFER TO PURCHASE  
AGREEMENT AS TO LOG STYLE, TYPE  
& GRADE - OTHER TYPES SIMILAR

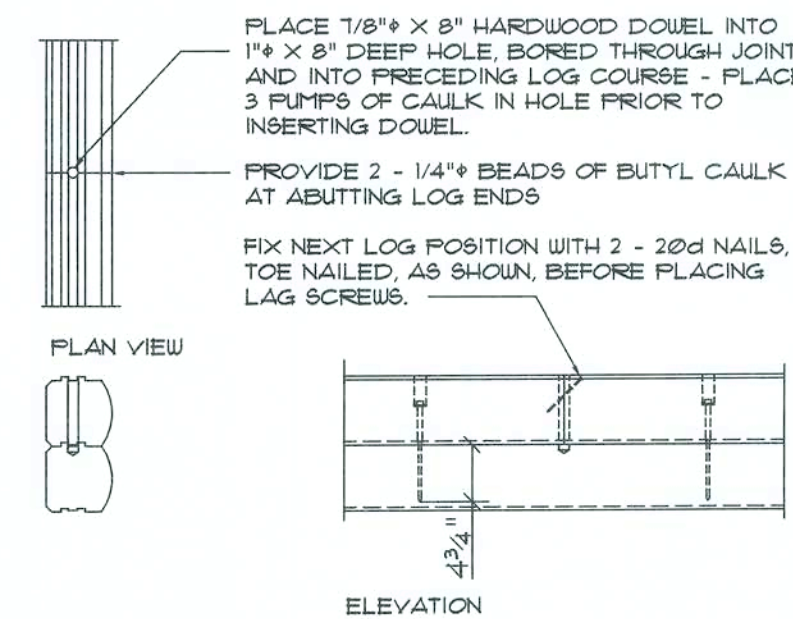
## Flashing Detail

SCALE: N.T.S.



## Lag Screw Placement

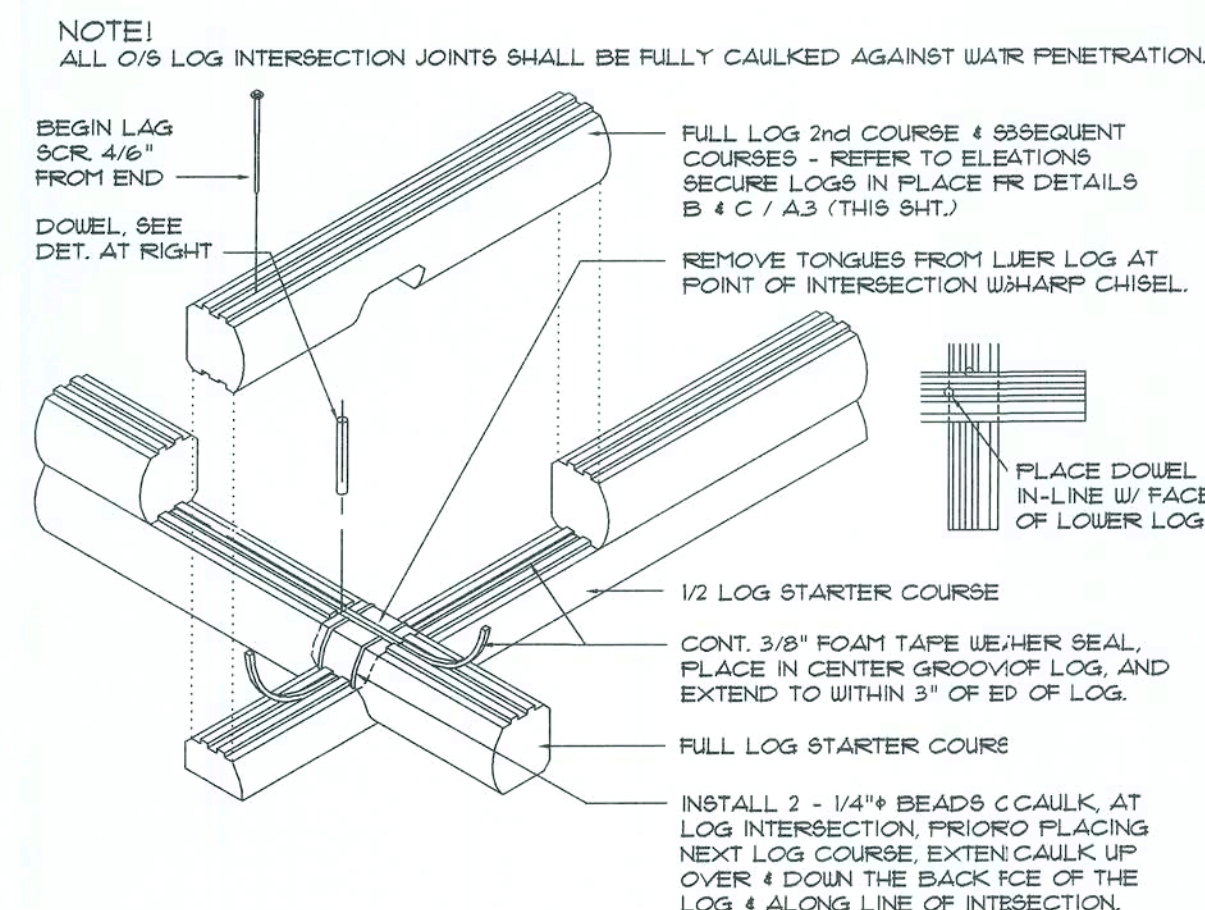
SCALE: 3/4" = 1'-0"



NOTE!  
FOR TIGHTER BUTT JOINTS, POSITION EACH NEW SECTION OF  
LOG IN PLACE AND "BUMP" INTO CONTACT W/ THE PRE-  
CEDING 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 DOWEL PORTION OF THE JOINT.

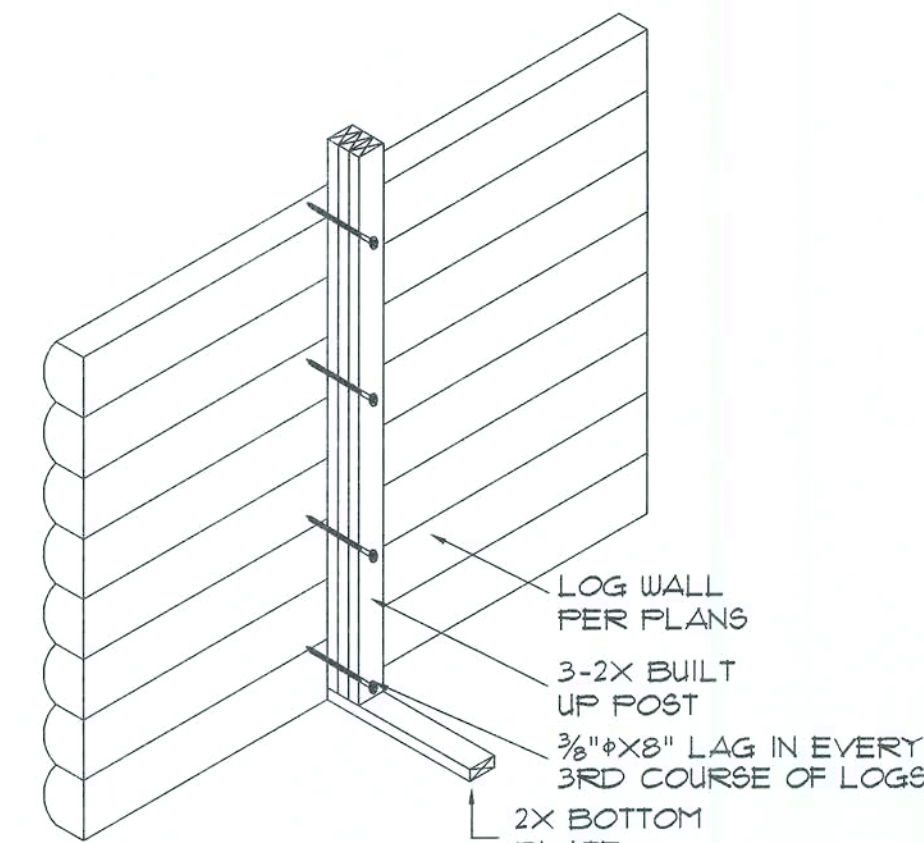
## Log Splice Detail

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



## Saddle Notch Corner

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

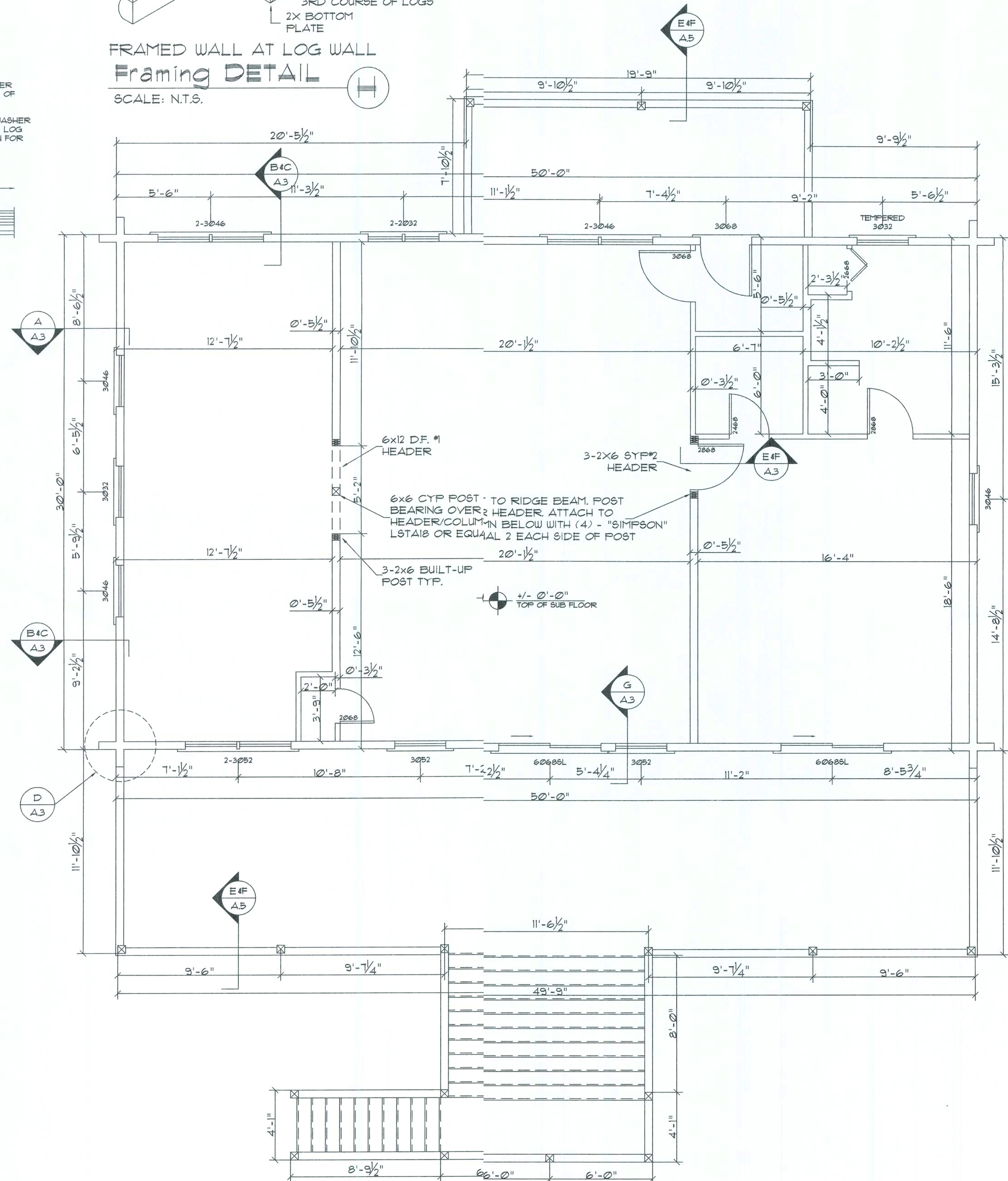


## Framed Wall at Log Wall

SCALE: N.T.S.

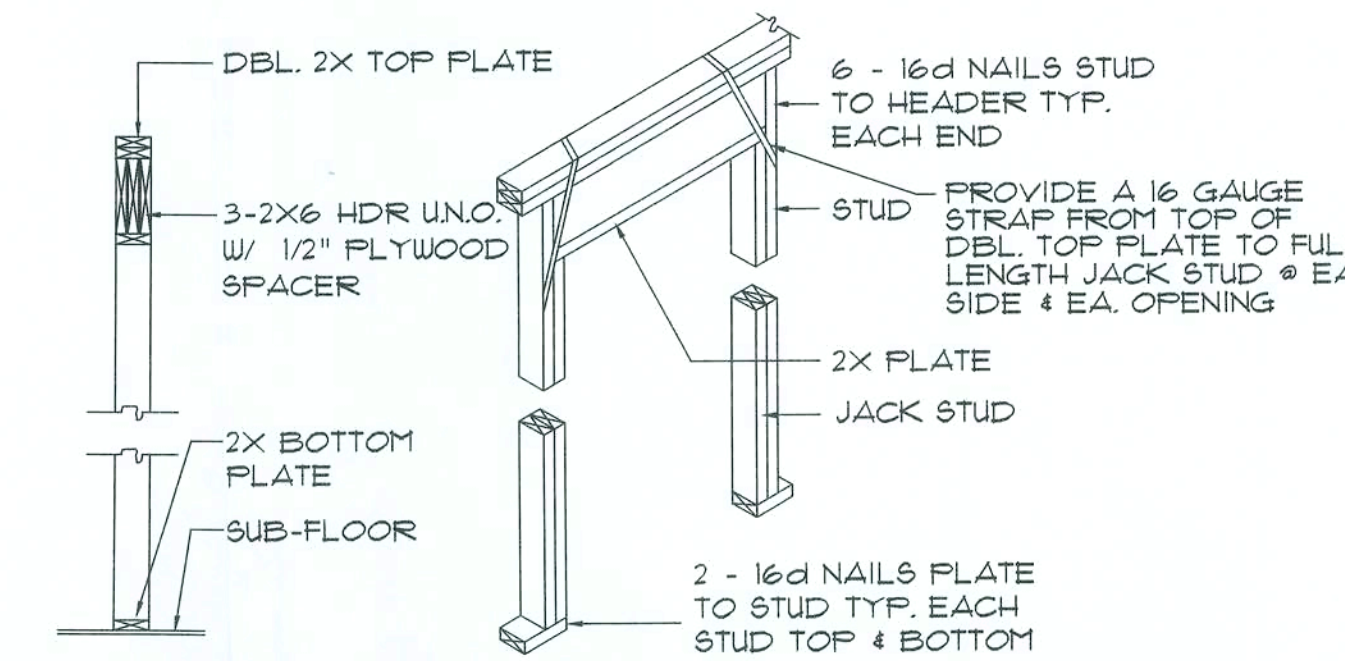
NOTE!  
ALL INTERIOR WALLS SHALL BE 3 1/2"  
UNLESS OTHERWISE NOTED

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



## Dimension Floor Plan

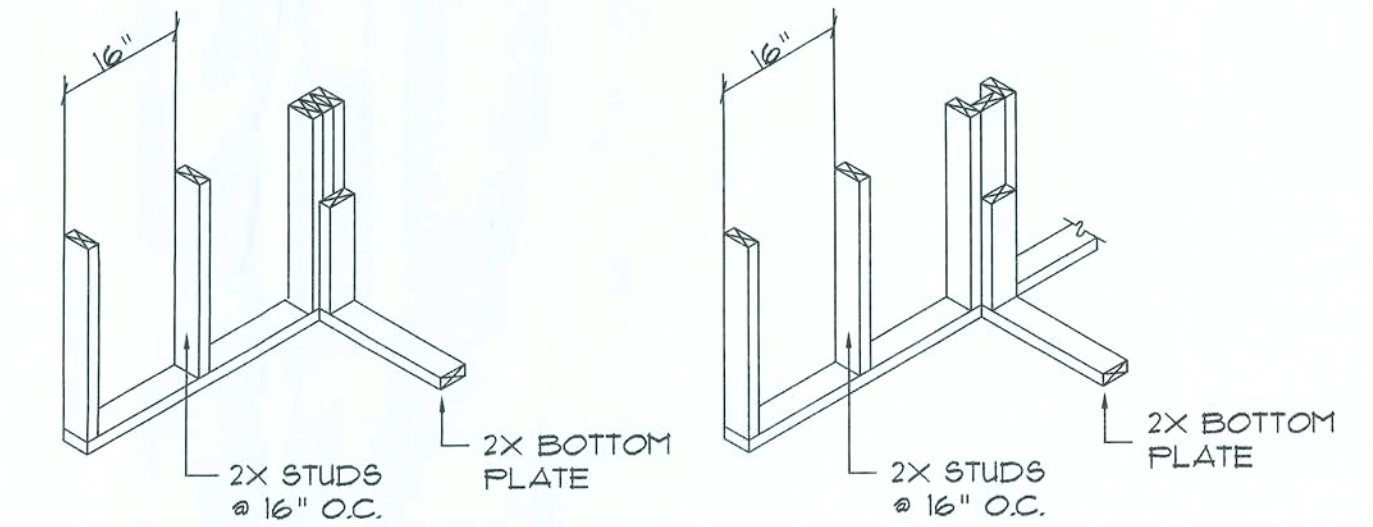
SCALE: 1/4" = 1'-0"



## Bearing Wall Header

## Framing Detail

SCALE: N.T.S.

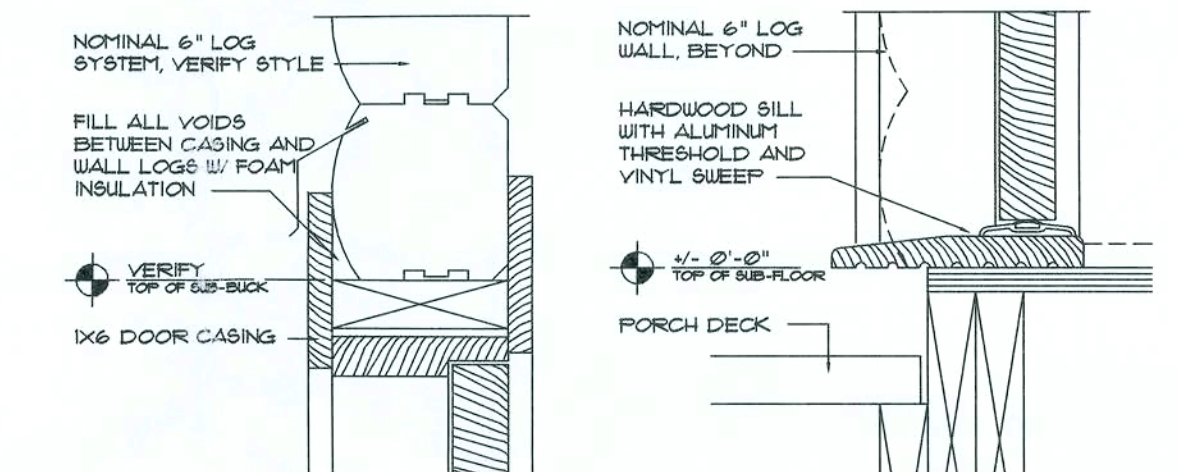


## WALL CORNER

## WALL INTERSECTION

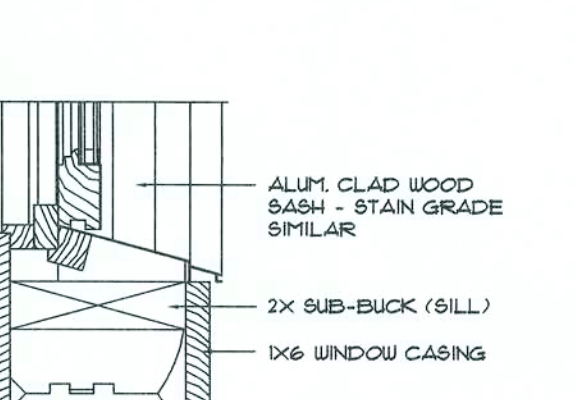
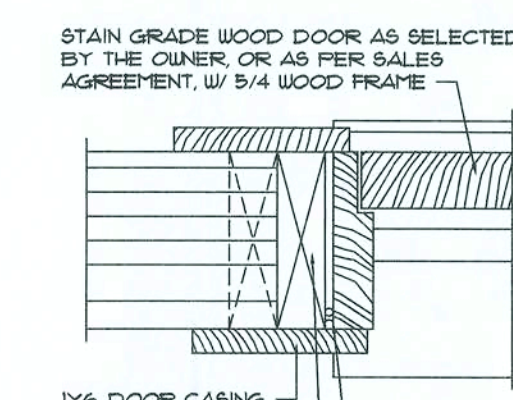
## Framing Detail

SCALE: N.T.S.



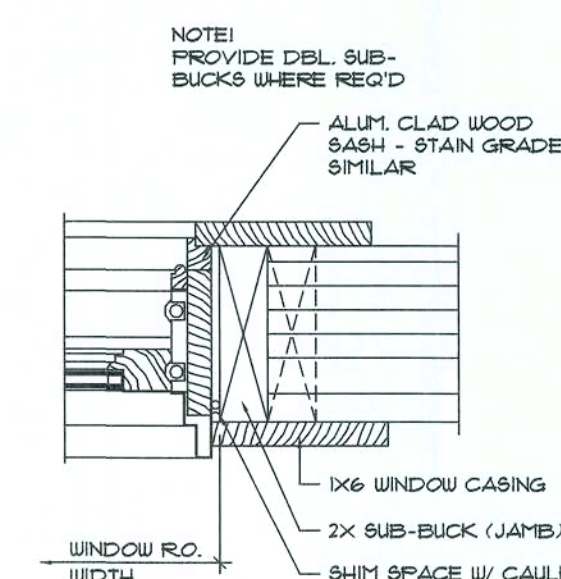
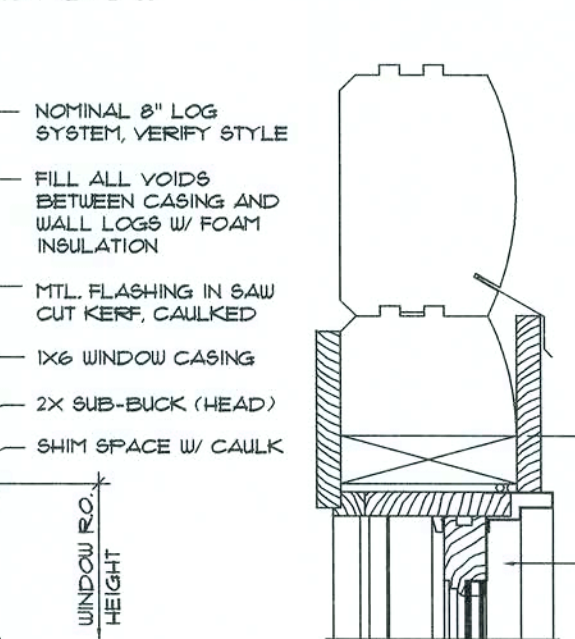
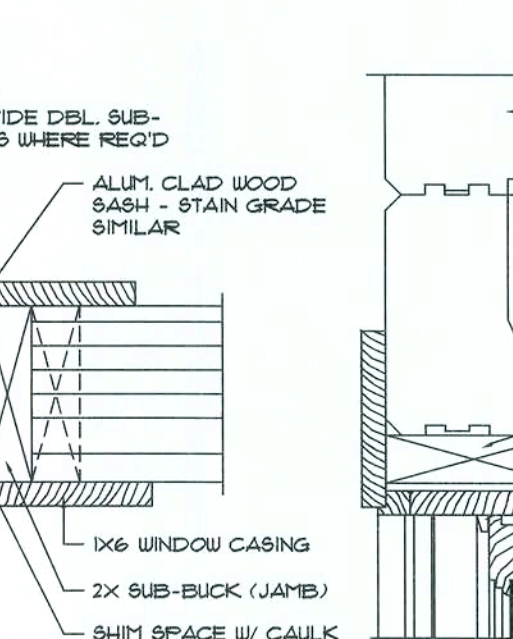
## HEAD DETAIL DOOR

## SILL DETAIL DOOR



## JAMB DETAIL DOOR

## SILL DETAIL WINDOW



## JAMB DETAIL WINDOW

## HEAD DET., FULL LOG STARTER

## HEAD DET., 1/2 LOG STARTER

## Bucking Details

SCALE: 2" = 1'-0"

REVISION:

DRAWN:

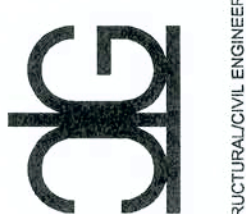
KEB

REVIEWED:

GJG

Custom Log Home for:  
**Ted Smith**  
Alachua Co. FL

GARY J. GILL, PE 51942  
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Auth# 9461



**SUNAWEE RIVER**  
**LOG HOMES, INC.**  
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4345 HIGHWAY 90 WELLSBORO, FLORIDA 32054  
(904) 365-1000 / (800) 365-1000

DATE:

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3 OF 8

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9/09



# PIER / POST SCHEDULE

- 1 6x6 CYPRESS POST
- 2 6x6 P/T POST
- 3 3-2x6 BUILT-UP POST
- 4 16" x 16" CONC. FILLED CONC. BLOCK W/ 2 #5 VERT. REBAR HOOKED TO FTG

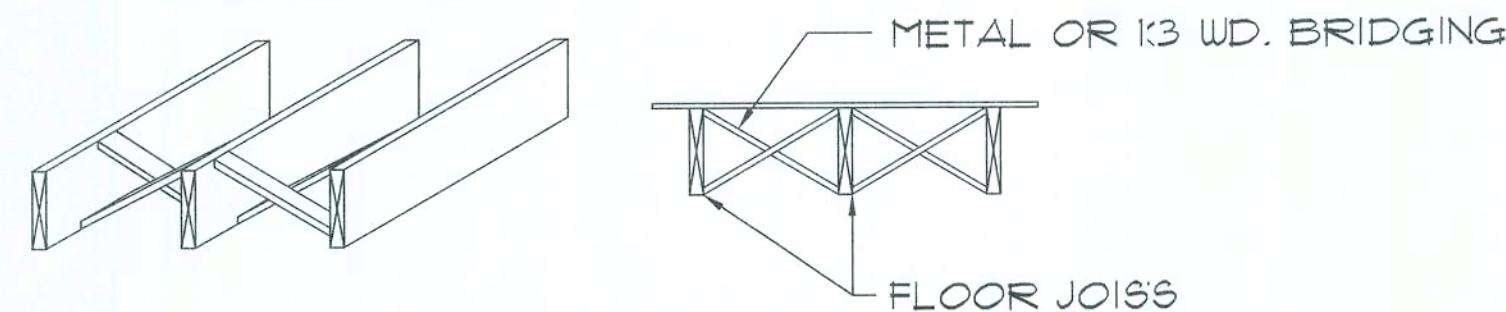
NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

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 REGARDING PORCH/DECK HANGERS:  
ALL SIMPSON CONNECTORS SHALL BE ZMAX COATED WHERE IN CONTACT WITH PRESSURE TREATED LUMBER

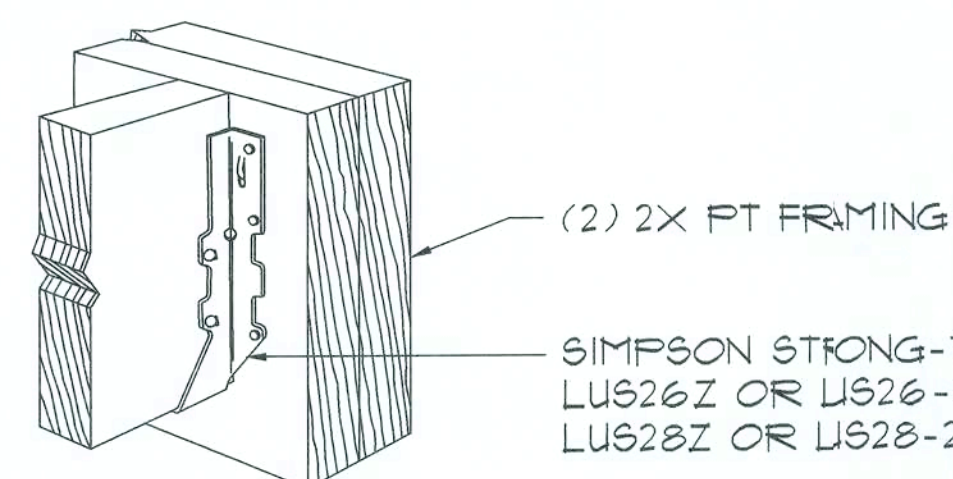
NAIL BRIDGING STRIPS AT TOP, BUT NOT AT BOTTOM, INSTALL SUB-FLOOR THEN SECURELY NAIL BRIDGING IN PLACE AFTER FRAMING IS COMPLETE.



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

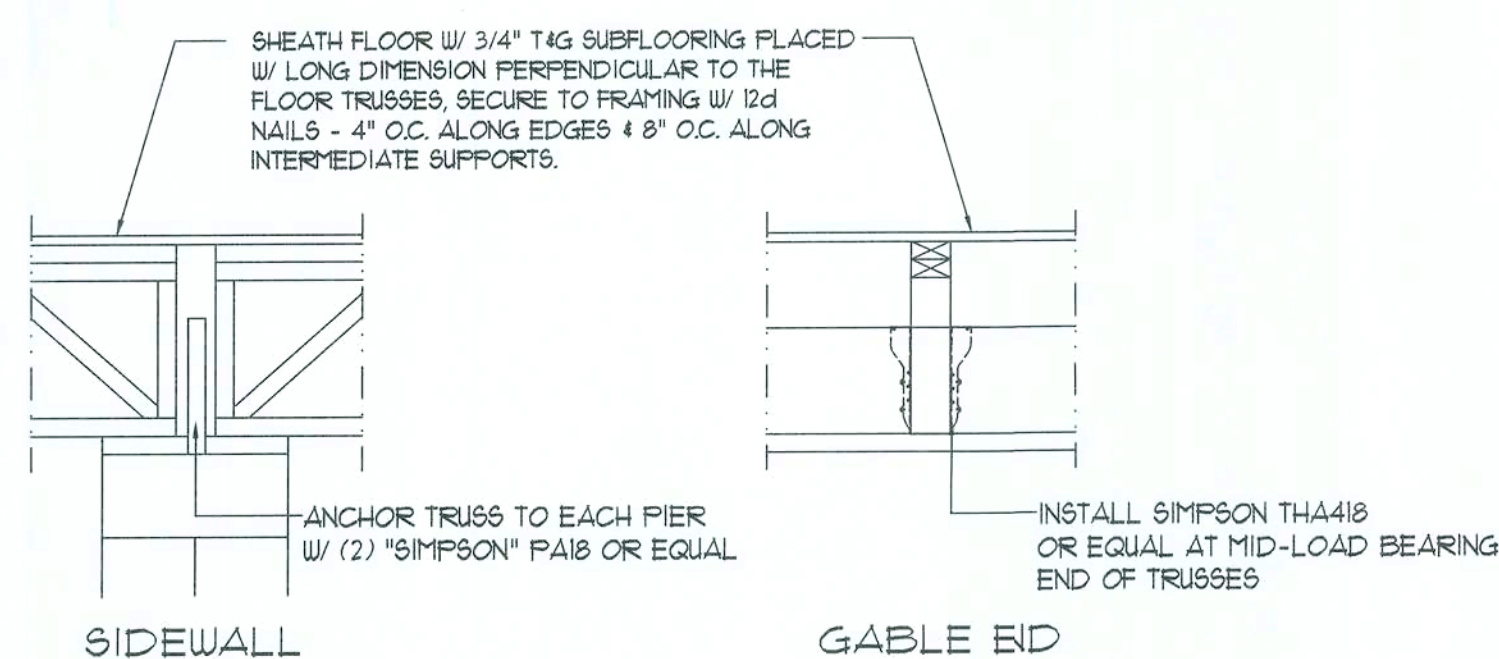
## Cross Bridging

SCALE: N.T.S.



## Floor Framing

SCALE: N.T.S.

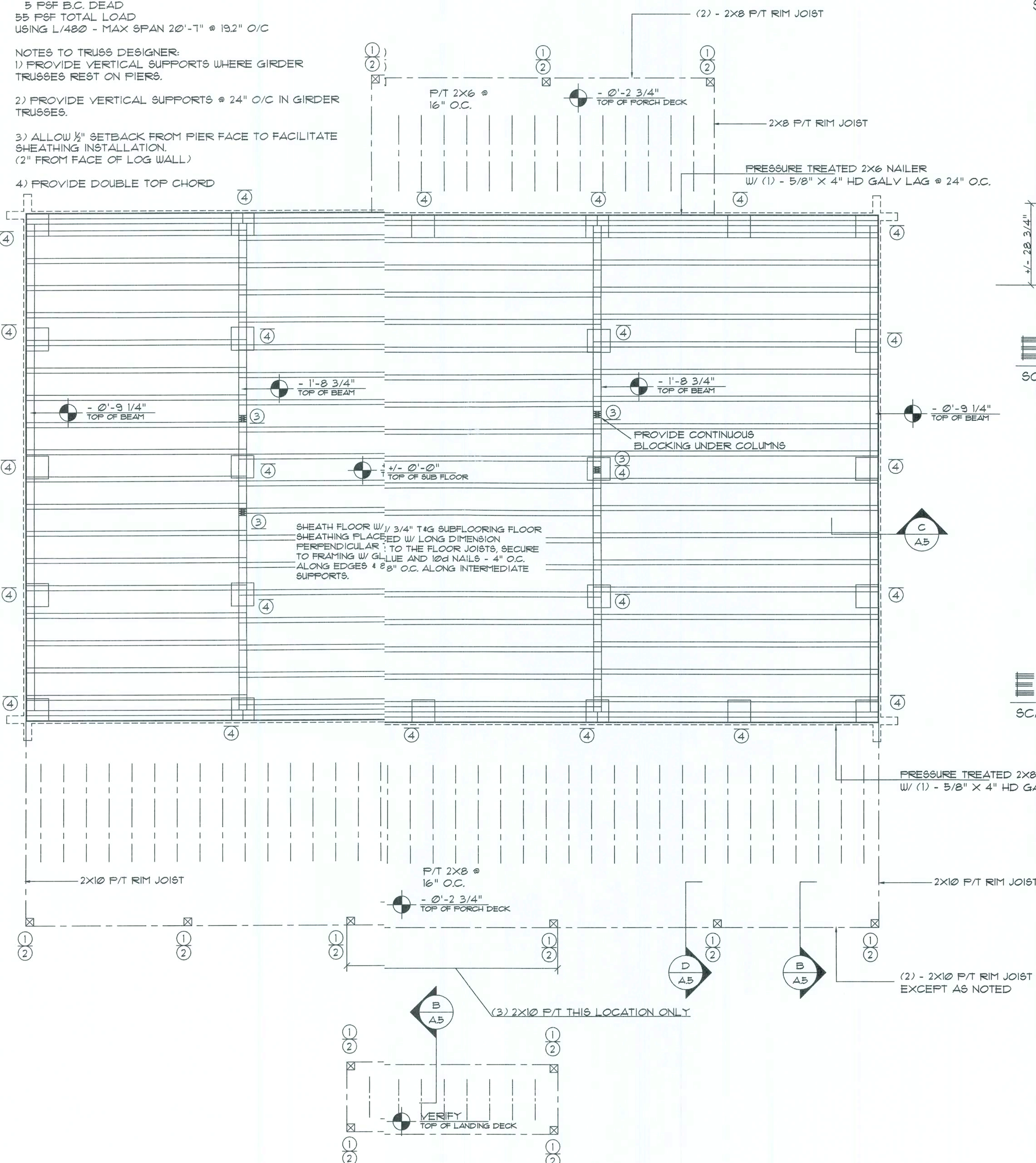


## Anchor Strap DETAIL

SCALE: N.T.S.

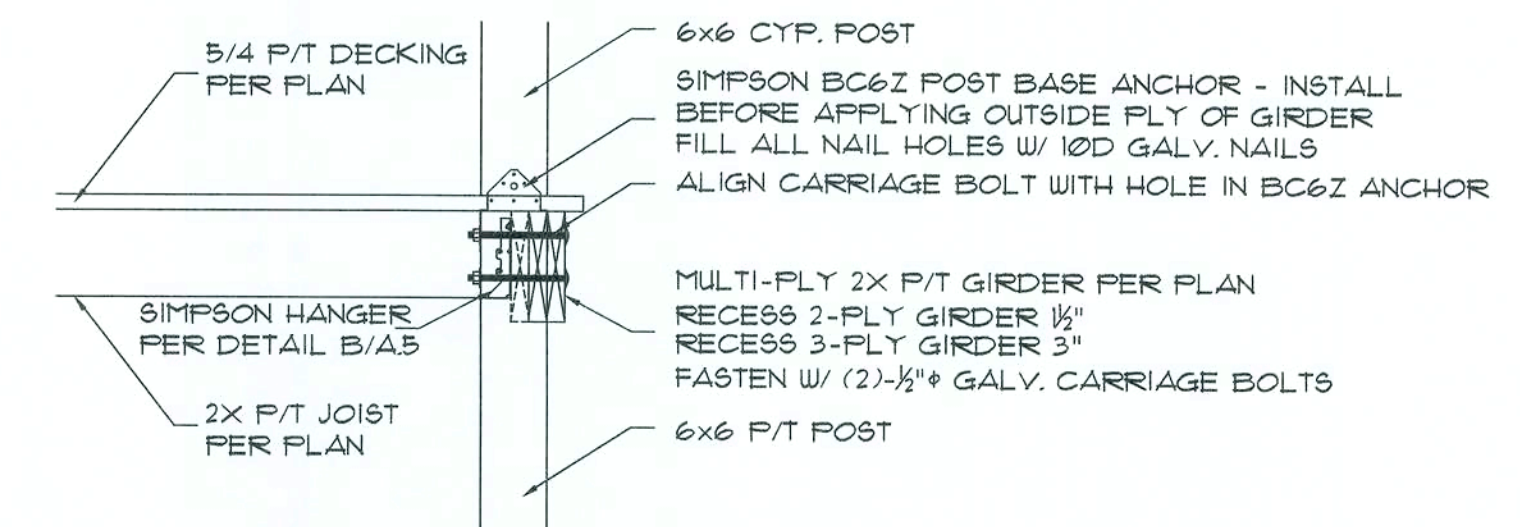
OPEN WEB, "SYSTEM 42" MID/BOTTOM CHORD BEARING FLOOR TRUSS - 20" HIGH USING 2X4 #1 DENSE STY LUMBER WITH LOADS OF:  
40 PSF T.C. LIVE  
10 PSF T.C. DEAD  
5 PSF B.C. DEAD  
55 PSF TOTAL LOAD  
USING L/480 - MAX SPAN 20'-1" @ 19.2" O/C

- NOTES TO TRUSS DESIGNER:
- 1) PROVIDE VERTICAL SUPPORTS WHERE GIRDER TRUSSES REST ON PIERS.
  - 2) PROVIDE VERTICAL SUPPORTS @ 24" O/C IN GIRDER TRUSSES.
  - 3) ALLOW 1/2" SETBACK FROM PIER FACE TO FACILITATE SHEATHING INSTALLATION. (2" FROM FACE OF LOG WALL)
  - 4) PROVIDE DOUBLE TOP CHORD



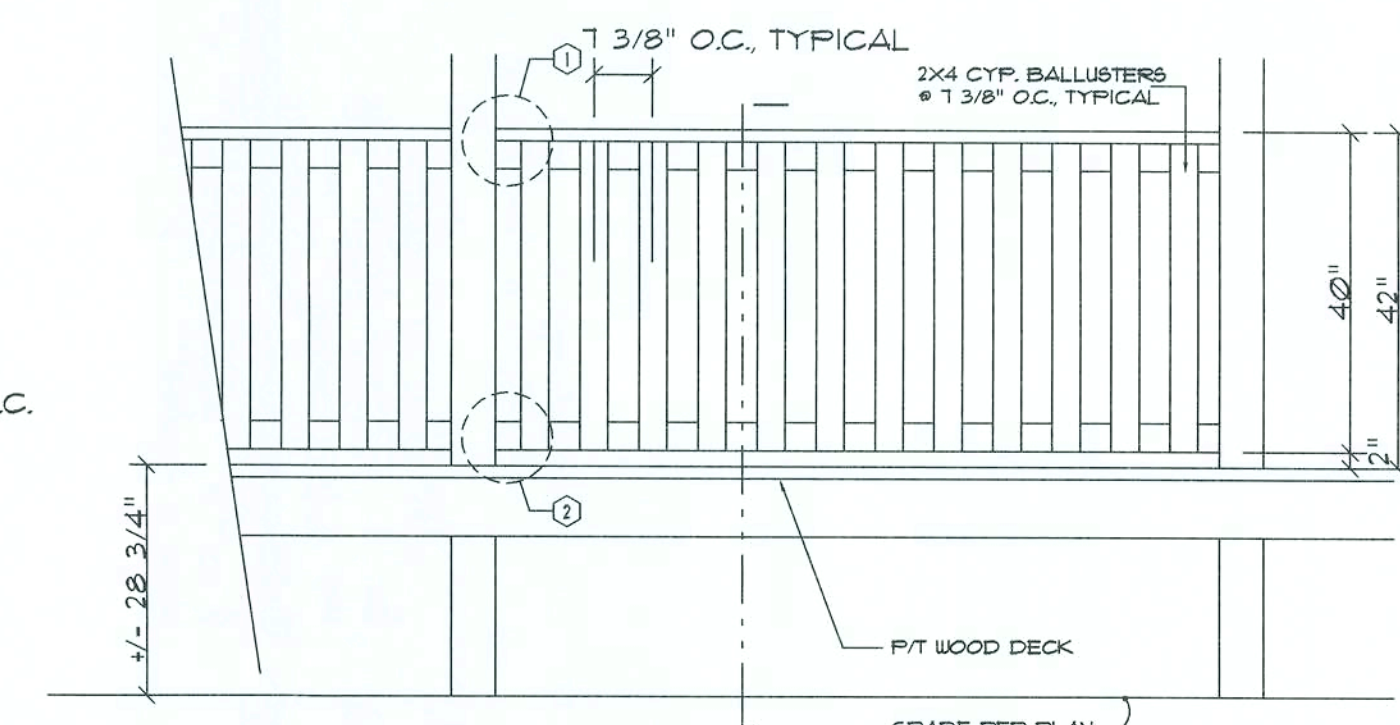
## First Floor Framing Plan

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



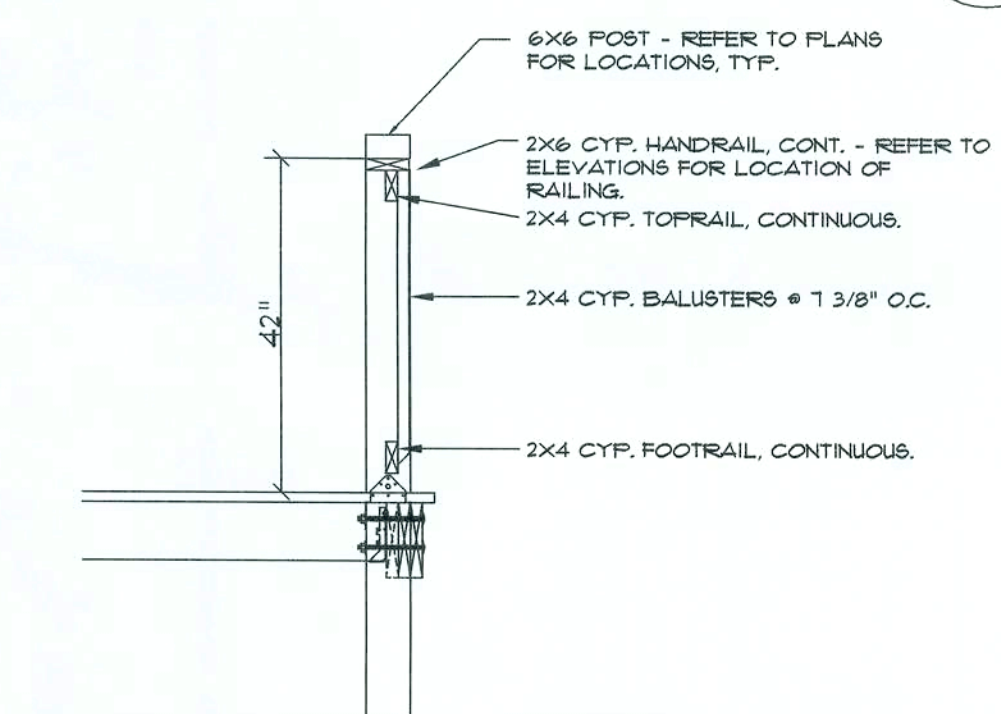
## Post to Post Detail

SCALE: N.T.S.



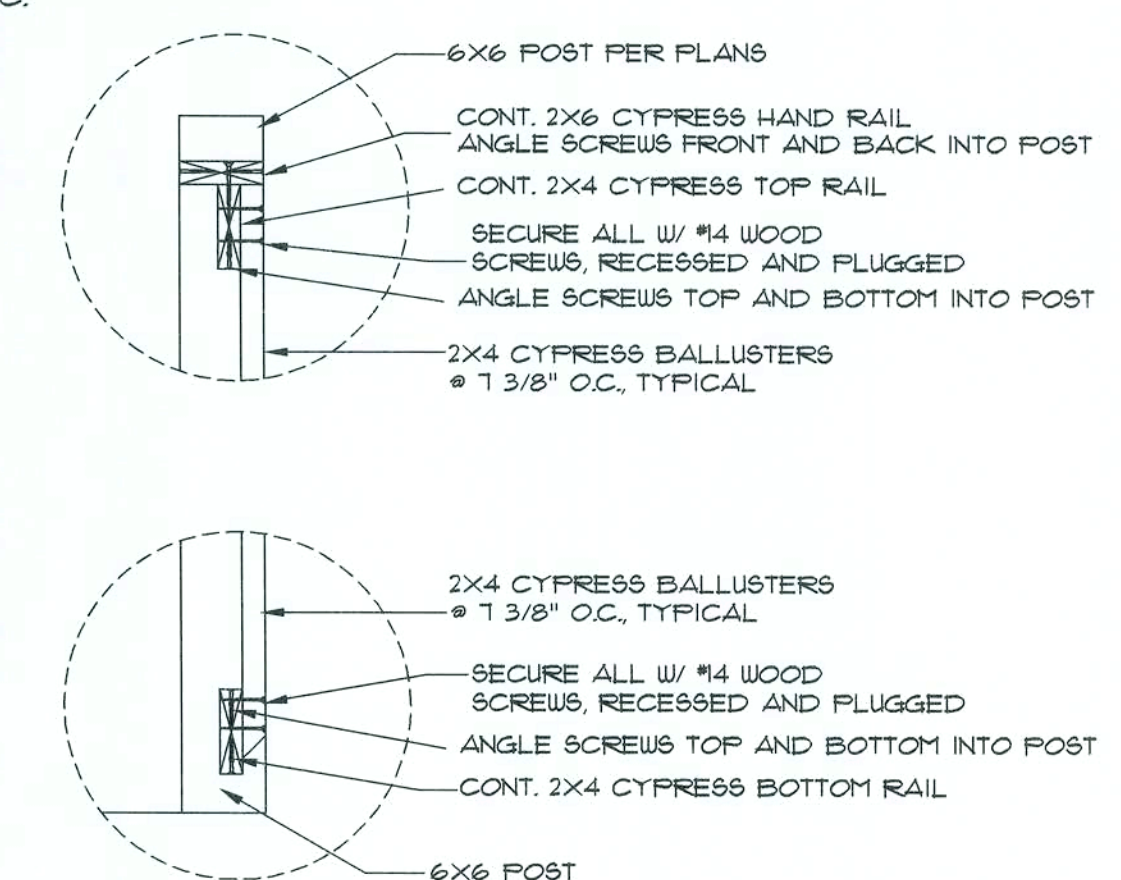
## Exterior Railing ELEV.

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



## Exterior Railing SEC.

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



## DETAILS

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

REVISION:

DRAWN: KEB

REVIEWED: GUG

Custom Log Home for:  
**Ted Smith**  
Alachua Co. FL

Gary J. Gill, PE 51942  
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SULLIVAN RIVER  
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4345 Highway 90 W. WELLSBORO, FLORIDA 32094  
904.563.1035/564.7118/202.962.1035/564.7118

DATE: 10SEP03

COMM: L0932

SHEET: A.5

5 OF 8

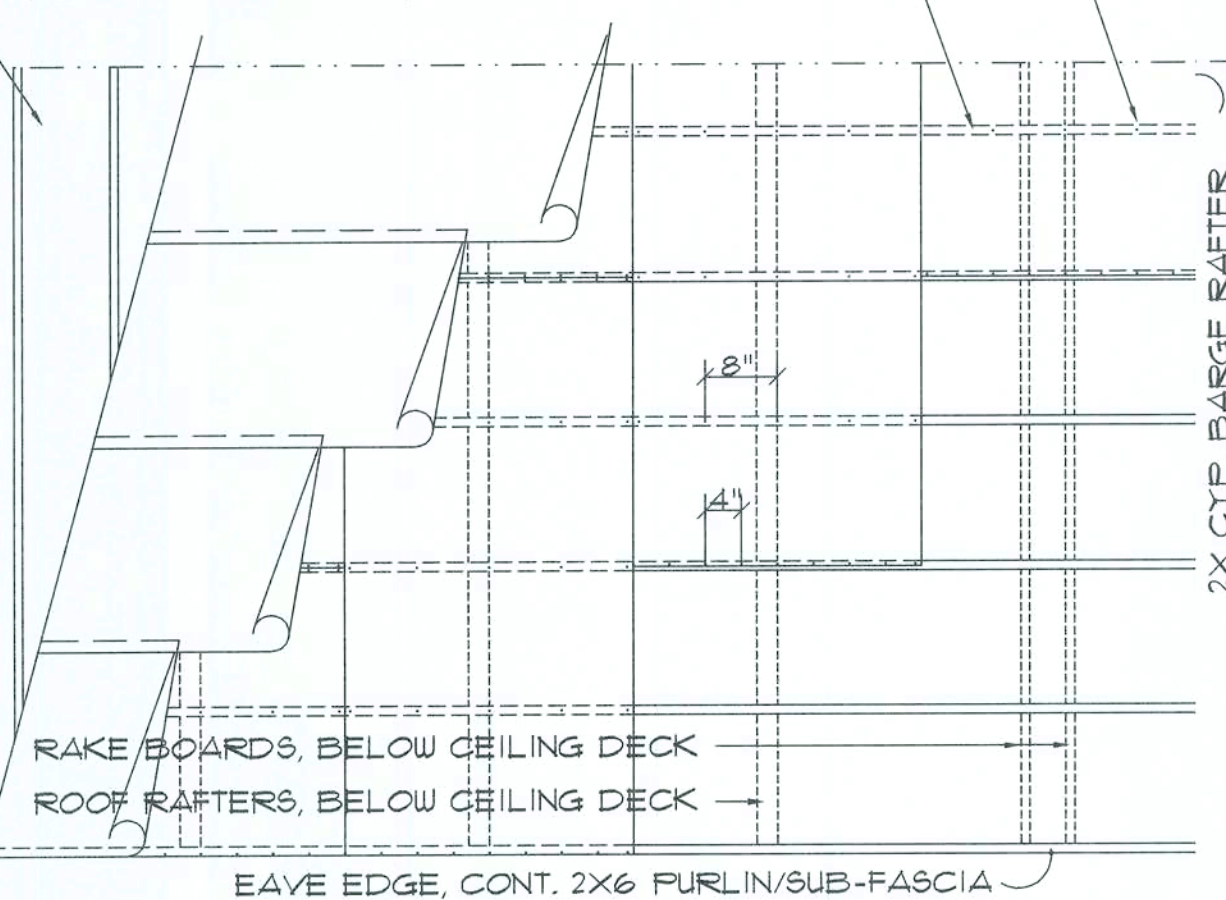
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FASTEN FLYWOOD TO FURLINS W/ 8d NAILS AS FOLLOWS: EDGES @ 4" O.C., INTERMEDIATE @ 8" O.C.

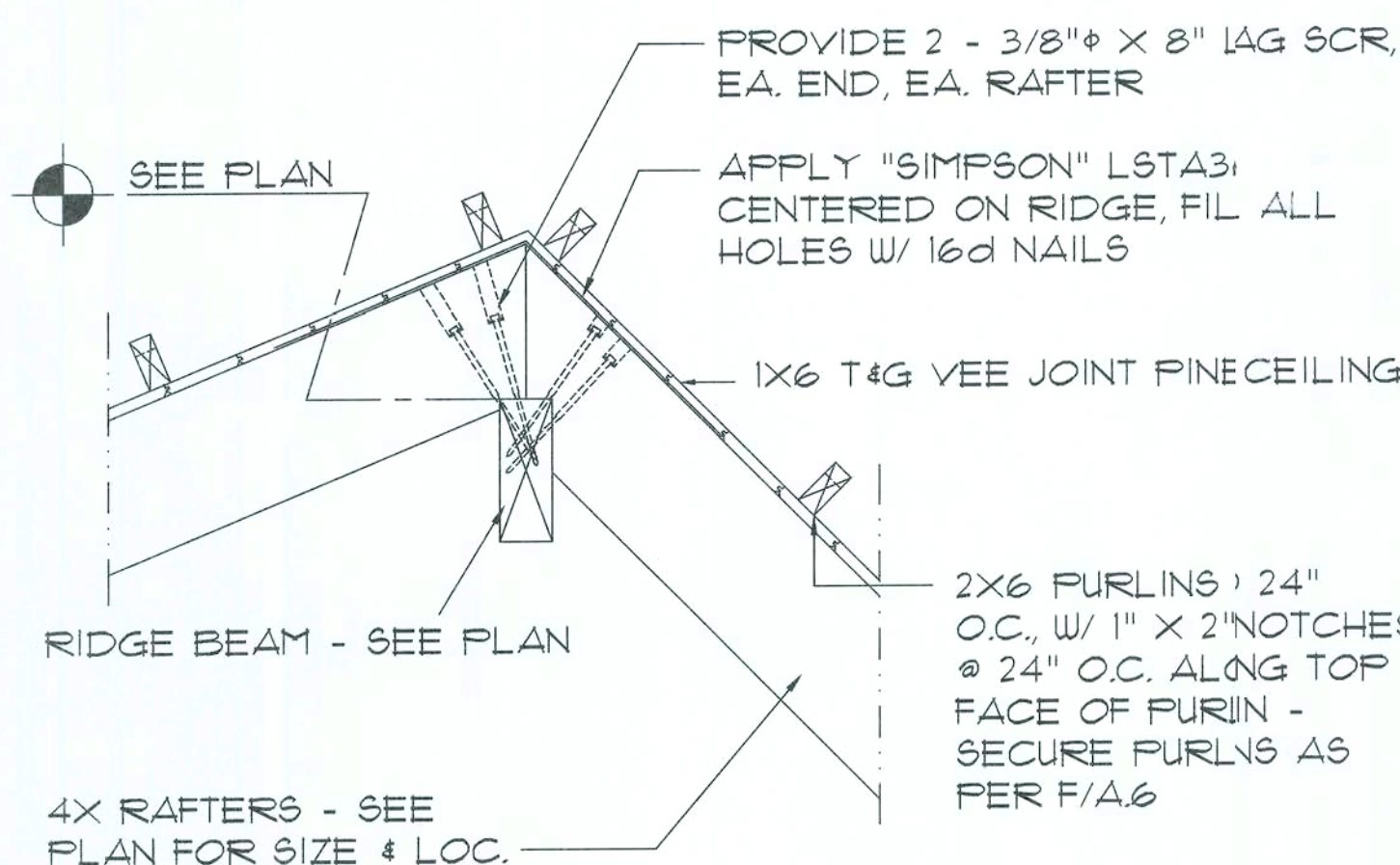
2X6 FURLINS @ 24" O.C. SECURE TO RAFTERS W/ 1/4" X 8" PANEL FAST. RECESSED 3/4" INTO TOP OF FURLIN - PROVIDE 2 @ GABLE END WALL CROSSING, EA. FURLIN

FINISH ROOFING ON 30" FELT - ON 5/8" CDX PLYWOOD SHEATHING, W/ CONT MTL DRIP EDGE



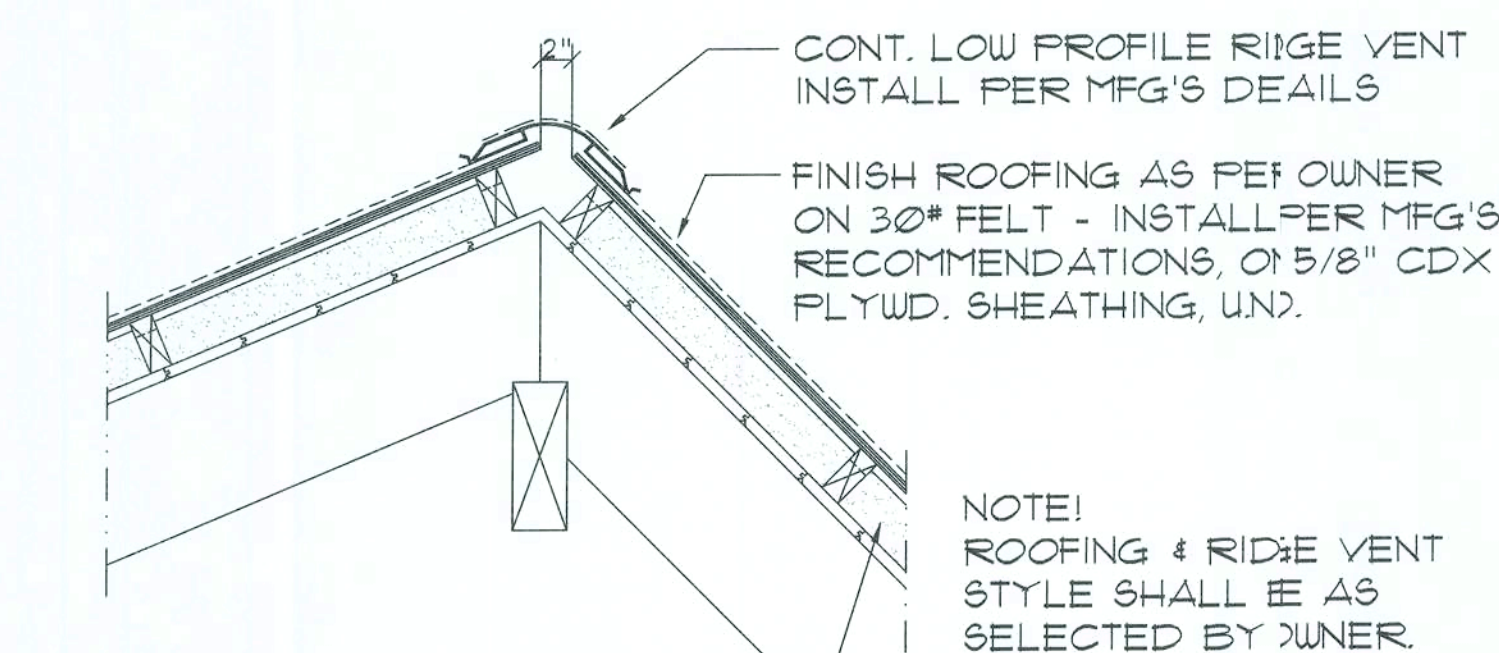
**Roof Deck Nailing DET.**

SCALE: N.T.S.



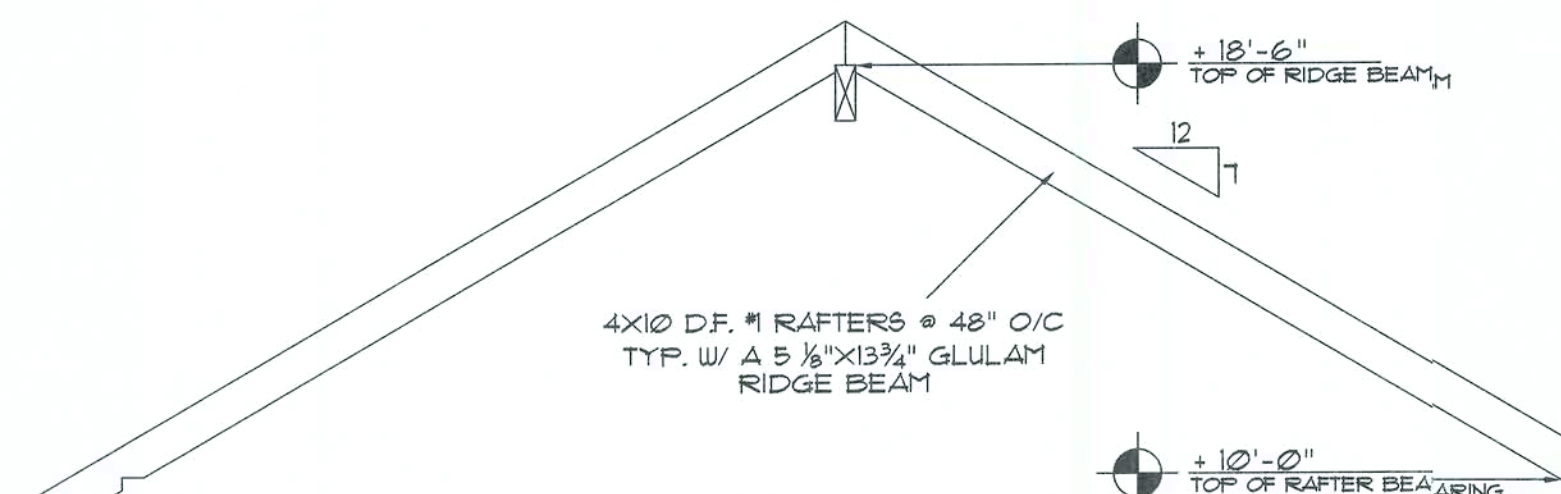
**Rafter DET. RIDGE BEAM**

SCALE: N.T.S.



**Rafter DET. RIDGE BEAM**

SCALE: N.T.S.

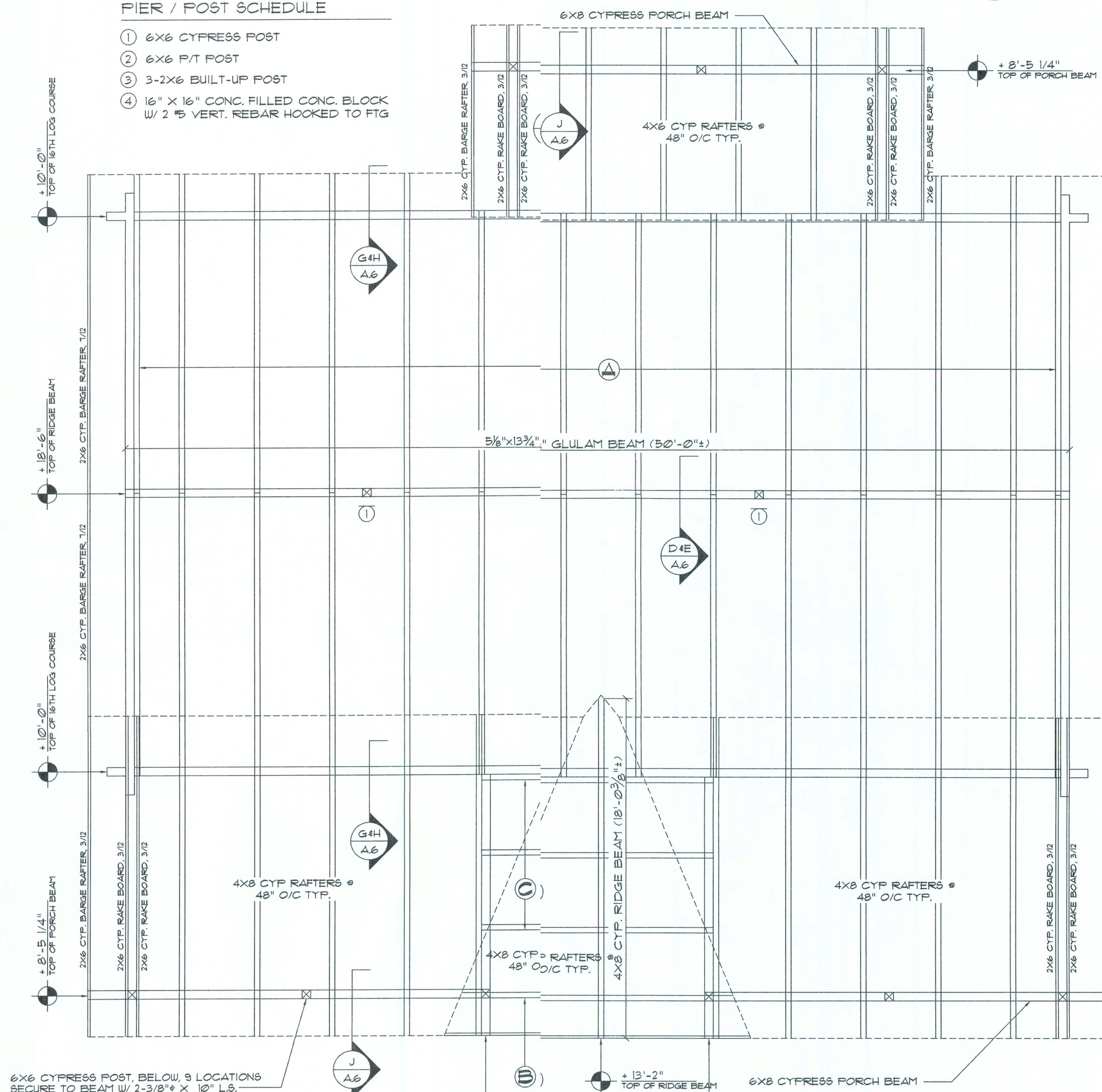


**Rafter PROFILE**

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

**PIER / POST SCHEDULE**

- 1 6X6 CYPRESS POST
- 2 6X6 P/T POST
- 3 3-2X6 BUILT-UP POST
- 4 16" X 16" CONC. FILLED CONC. BLOCK W/ 2 #5 VERT. REBAR HOOKED TO FTG

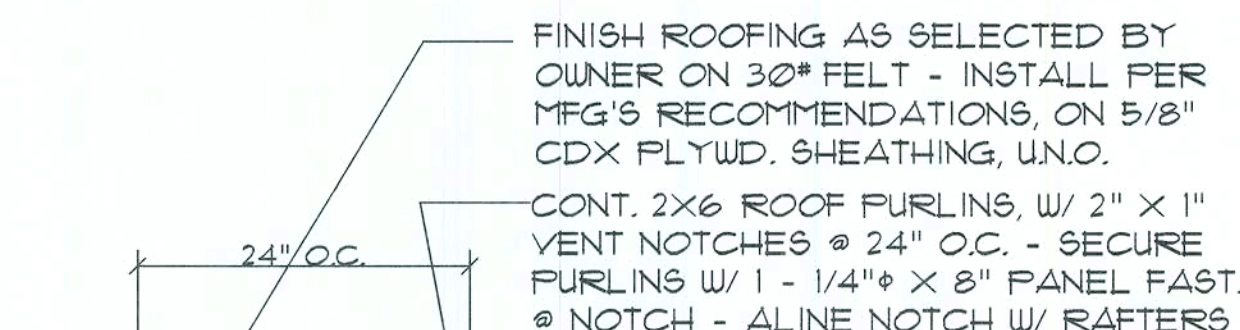


**Roof Framing Plan**

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

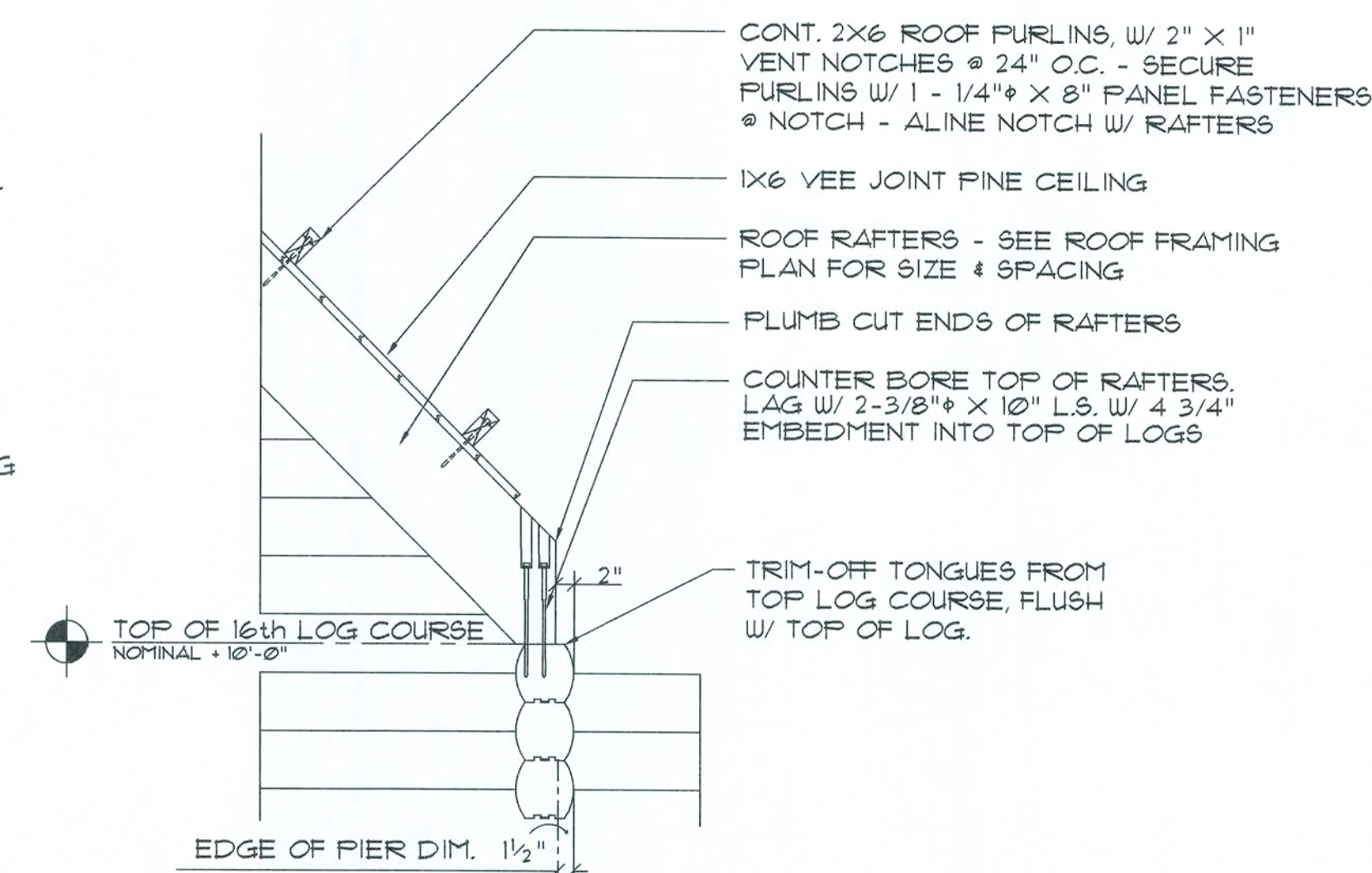
**Truss PROFILE**

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



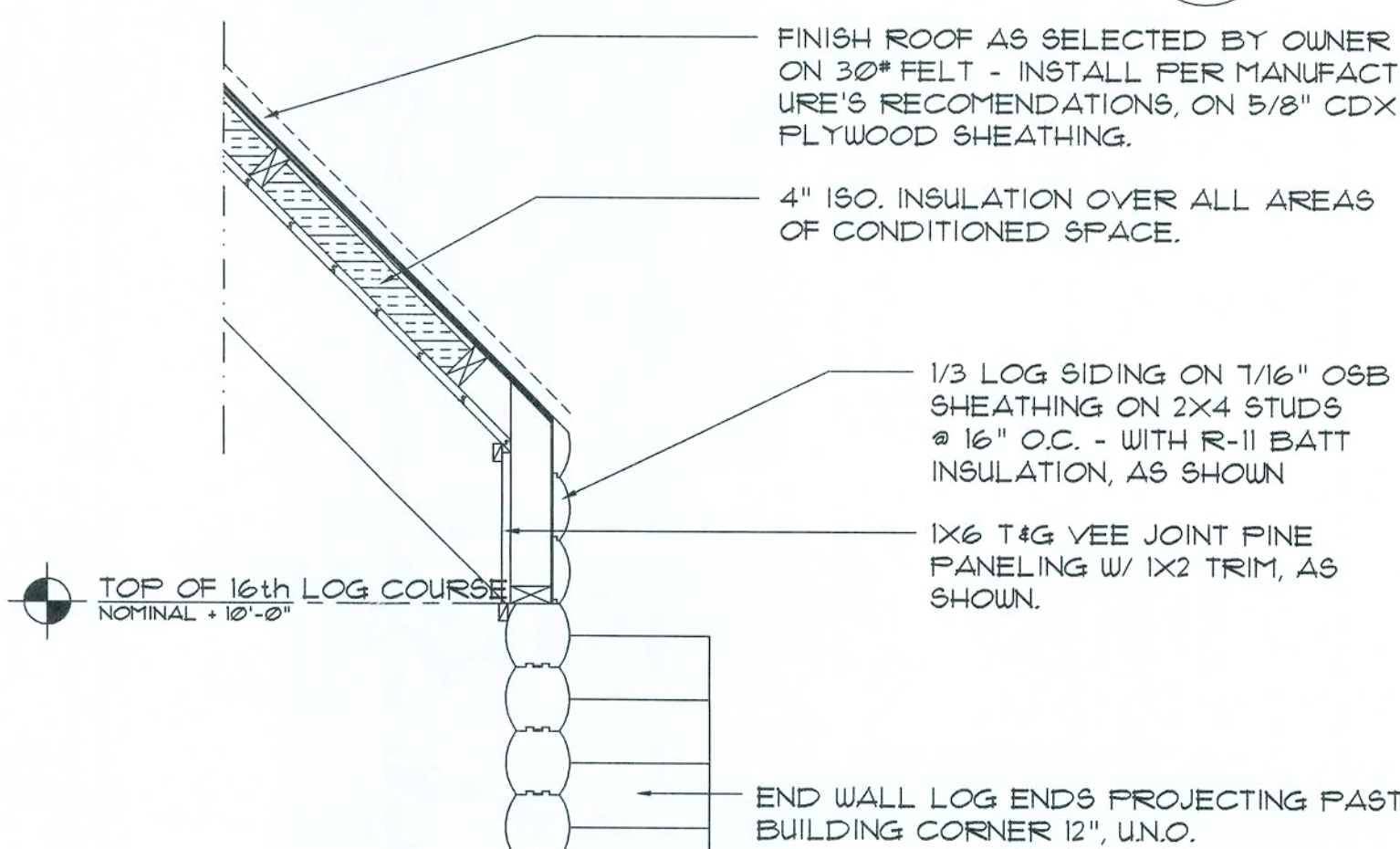
**Purlin DETAIL**

SCALE: N.T.S.



**Rafter DETAIL LOWER END**

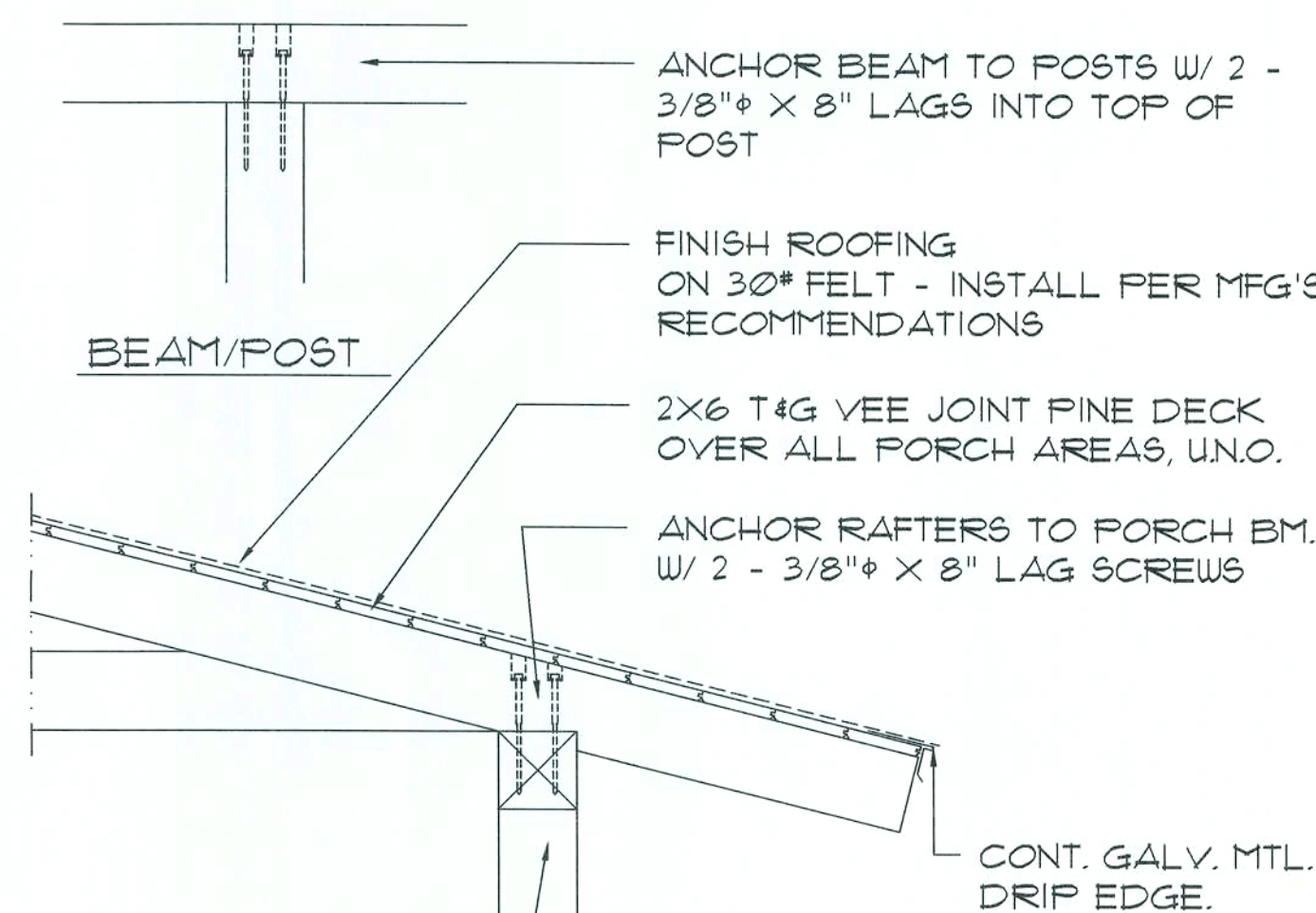
SCALE: N.T.S.



NOTE: INSTALL 4" SCREENED VENTS @ 48" O.C. NEAR UNDERSIDE OF PORCH ROOF DECK, ABOVE LEVEL OF INSULATION, BELOW TOP PLATE OF CLOSURE WALL.

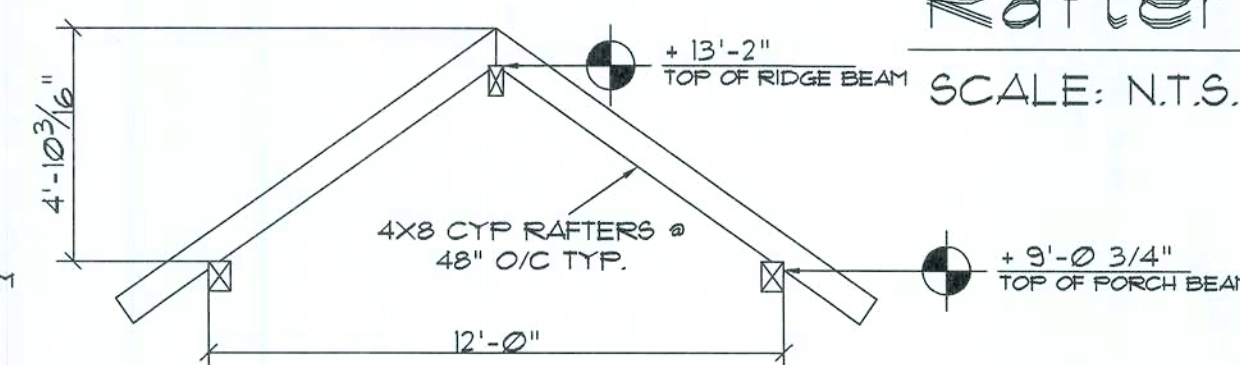
**Rafter DETAIL LOWER END**

SCALE: N.T.S.



**Rafter DET. PORCH EAVE**

SCALE: N.T.S.



**Rafter PROFILE**

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

REVISION:

DRAWN:

KEB

REVIEWED:

GJG

Custom Log Home for:

**Teal Smith**  
Alachua Co. FL

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Auth: # 9461

**SG**

**SUNNYSIDE RIVER LOG HOMES, INC.**  
Manufacturers  
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4345 Highway 90, Wellborn, Florida 32094  
904.563.1008/564.4171/1800.562.1008/564.4171

DATE:

10SEP03

NAME:

L0932

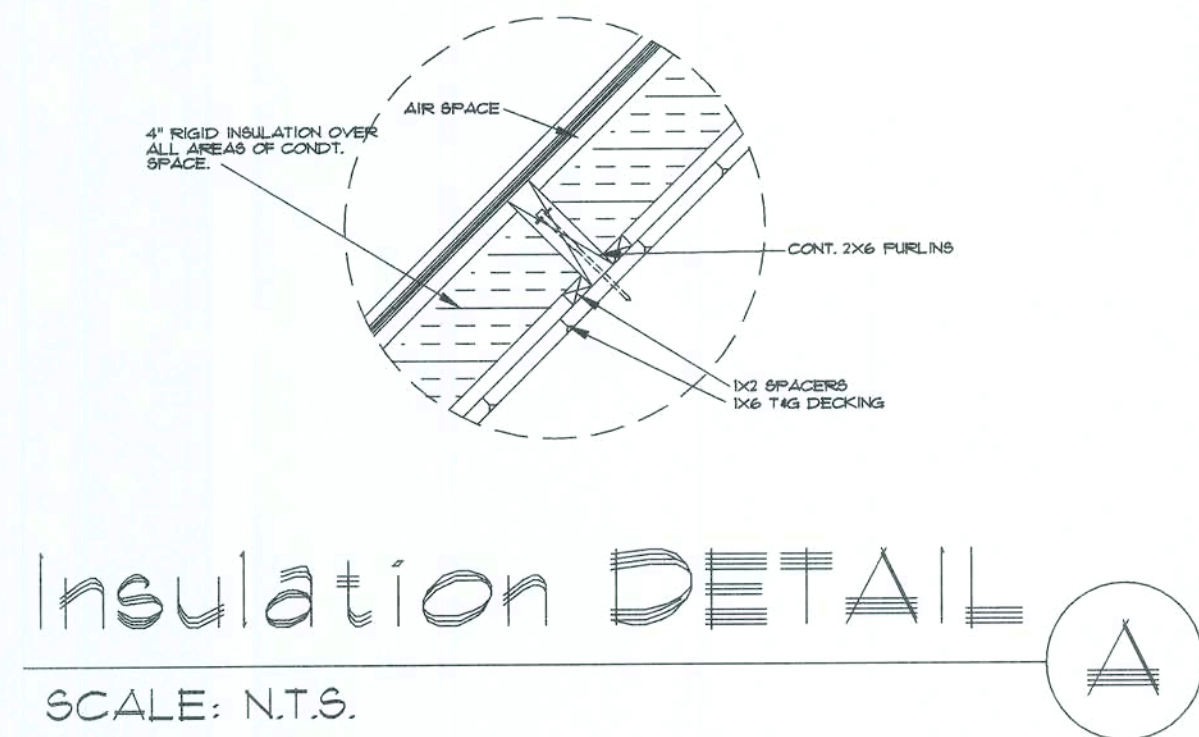
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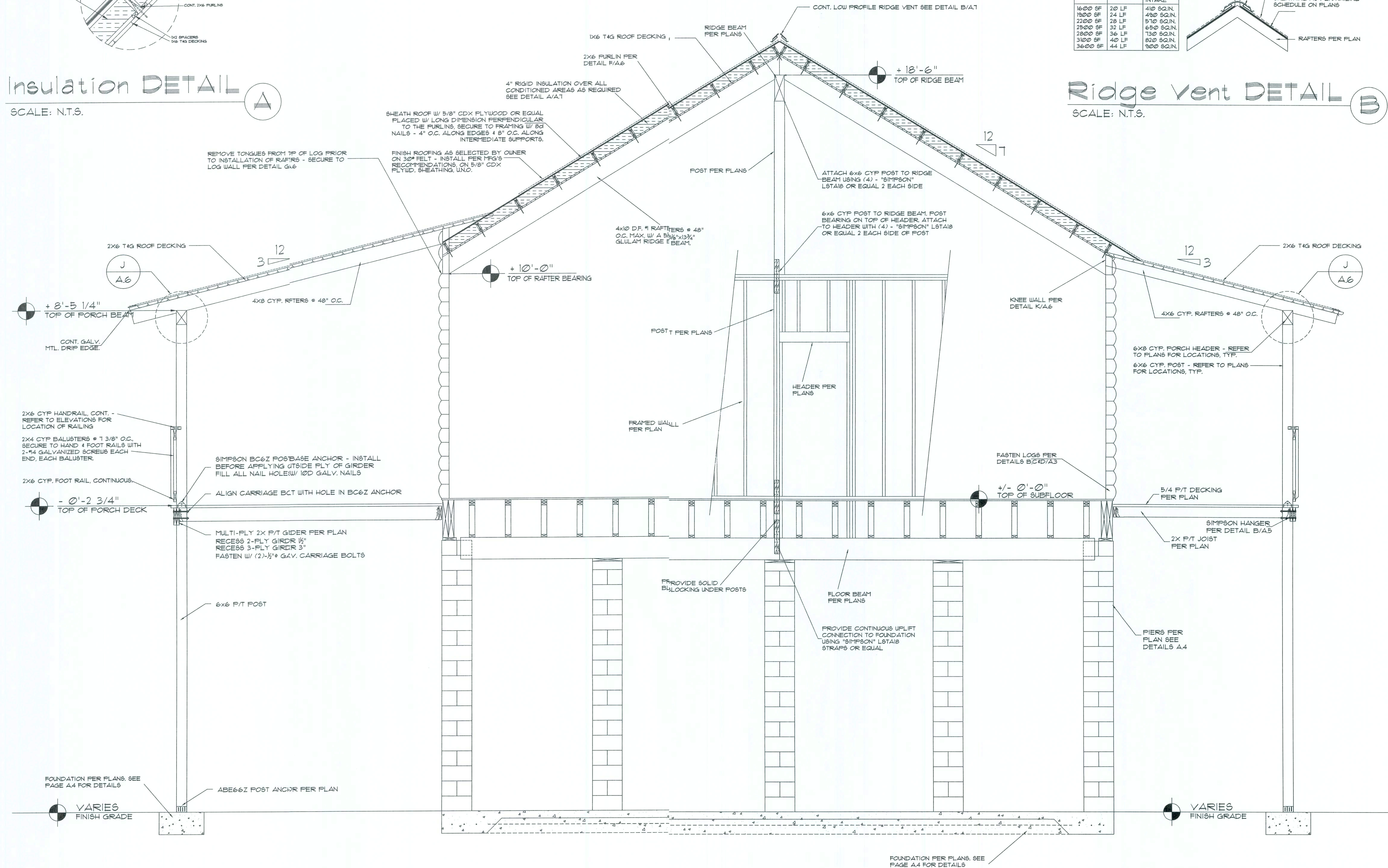
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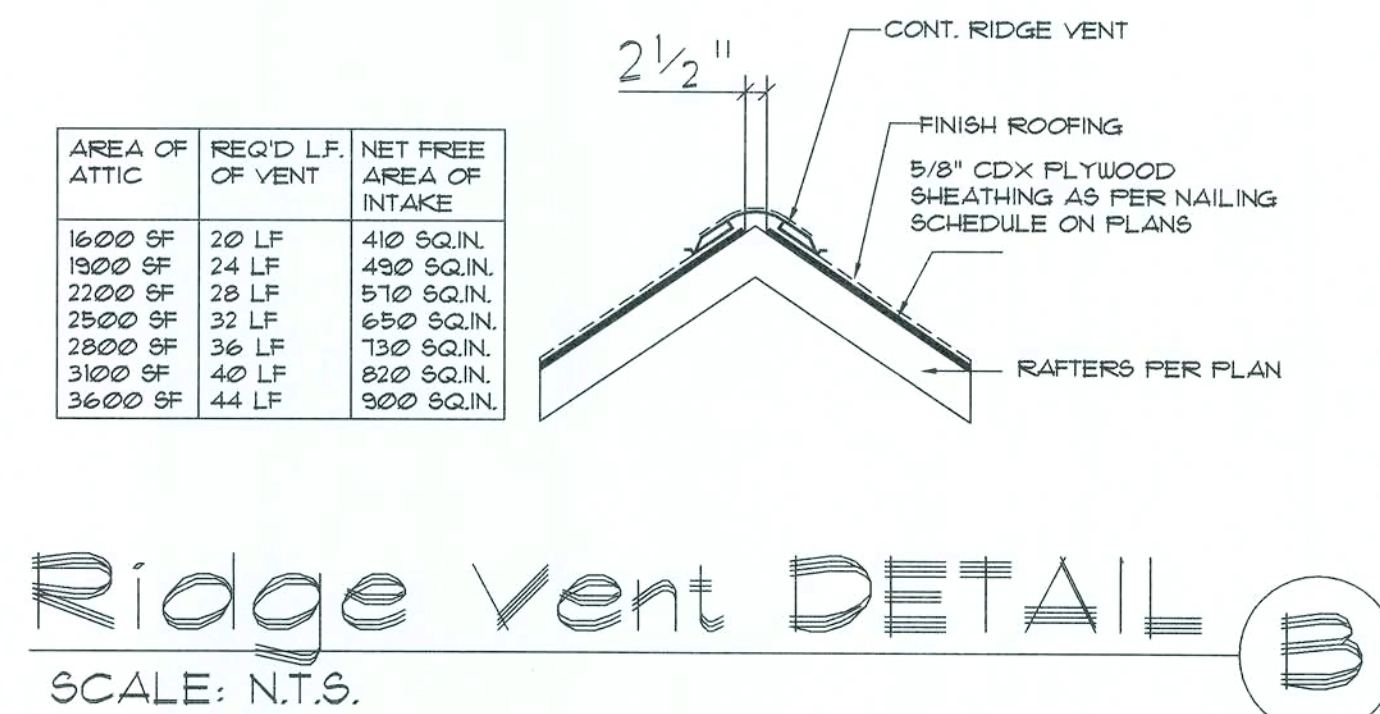




**Insulation DETAIL A**  
SCALE: N.T.S.



**Building Section**  
SCALE: 1/2" = 1'-0"



**Ridge Vent DETAIL B**  
SCALE: N.T.S.

AREA OF ATTIC	REQ'D LF OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1800 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	810 SQ.IN.
3600 SF	44 LF	900 SQ.IN.

REVISION:

DRAWN:  
KEB

REVIEWED:  
GJG

Custom Log Home for:  
**Ted Smith**  
Alachua Co., FL

GARY J. GILL, PE 51942  
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**SUNWAVE RIVER LOG HOMES, INC.**  
Manufacturers  
Specializing in Cypress & Cedar Custom Homes  
4345 HIGHWAY 32, WELLSBORO, FLORIDA 32094  
(386) 362-3678 / (800) 362-3678

DATE:  
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A.7  
7 of 8

6/1/09



# PROJECT INFORMATION

IMPORTANT!

THE INFORMATION LISTED HERE IS ESSENTIAL AND MUST BE READ CAREFULLY PRIOR TO THE CONSTRUCTION OF YOUR SUWANNEE RIVER LOG HOME.

SRLH, INC. PLANS ARE DESIGNED BASED ON THESE LUMBER GRADING SPECIFICATIONS.

LOG WALLS: YELLOW CYFRESS

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

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

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

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

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH

SOIL DESIGN STATEMENT:  
FOOTING DESIGN IS BASED UPON 2000PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS (e.g. CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS) SHALL BE REPORTED TO YOUR SALES REPRESENTATIVE, PRIOR TO CONSTRUCTION.

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

BUILDING CODE: FLORIDA BUILDING CODE 2006  
INTERNATIONAL - LATEST  
ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - 2006  
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.

## AS - BUILT DRAWING REQUIREMENTS:

- ELECTRICAL "AS-BUILT" DRAWINGS**  
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDNS 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 DGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- H.V.A.C. "AS-BUILT" DRAWINGS**  
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-BLT. DGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- 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 DGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

## WOOD / LOG STRUCTURAL NOTES:

- ALL HORIZONTAL LUMBER FRAMING 2" THICK OR LESS, SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:  
INTERIOR: SOUTHERN YELLOW PINE, N#2 OR BETTER  
EXTERIOR: PRESSURE TREATED S.Y.P., N#2 OR BETTER  
ALL HORIZONTAL LUMBER FRAMING 3" THICK OR GREATER SHALL BE SOUTHERN BALD CYFRESS, N#2 OR BETTER OR WESTERN RED CEDAR, N#2 OR BETTER, UNLESS NOTED OTHERWISE - REFER TO PURCHASE AGREEMENT FOR SPECIES AND PLANS FOR "MACHINE STRESS GRADE" REQUIREMENTS, IF ANY.
- SECOND LOG COURSE SHALL BE ANCHORED TO THE FIRST COURSE W/ 3/8" LAG SCREWS (8" LONG FOR 6" LOGS, 10" LONG FOR 8" LOGS) @ 24" O.C. - SUBSEQUENT WALL LOGS SHALL BE ANCHORED IN A LIKE MANNER TO PRECEDING LOGS - LOG STYLE, SIZE AND SPECIES SHALL BE AS PER THE PURCHASE AGREEMENT.
- 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 BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
- 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".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N#2 HEM-FIR OR BETTER.
- 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.  
FOR OTHER CONDITIONS, REFER TO SRLH FOR RECOMMENDATION.

## SAFETY PRECAUTIONS

### 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 FCC AND NEC-LATEST.

### CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH SUWANNEE RIVER LOG HOMES, INC. SRLH WILL NOT ASSUME ANY LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

### HARDWARE RETIGHTENING REQUIREMENTS

ALL LAG SCREW AND BOLT CONNECTIONS ON COMPOUND BEAMS, POSTS, GIRDER, TIMBER TRUSSES AND OTHER STRUCTURAL MEMBERS TO BE INSPECTED PERIODICALLY AND RETIGHTENED AS NECESSARY.

### INORGANIC ARSENICAL PRESSURE TREATED WOOD

SOME FRAMING MATERIALS SUPPLIED WITH YOUR SRLH MATERIALS PACKAGE SUCH AS 2X6 SILL, PORCH FRAMING & DECKING ARE PRESSURE TREATED. EACH PIECE IS CLEARLY MARKED FOR EASY IDENTIFICATION AND IS USUALLY GREENISH IN COLOR.

THIS WOOD HAS BEEN PRESERVED BY PRESSURE-TREATMENT WITH AN EPA-REGISTERED PESTICIDE CONTAINING INORGANIC ARSENIC TO PROTECT IT FROM INSECT ATTACK AND DECAY. EXPOSURE TO TREATED WOOD MAY PRESENT CERTAIN HAZARDS, THEREFORE, PRECAUTIONS SHOULD BE TAKEN BOTH WHEN HANDLING THE TREATED WOOD AND IN DETERMINING WHERE TO USE OR DISPOSE OF THE TREATED WOOD.

FOR FURTHER INFORMATION ON THE USE OF AND DISPOSAL OF INORGANIC ARSENIC PRESSURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

## SUGGESTED TOOL LIST

### BASIC TOOLS

ITEM	QTY.
SAW HORSE	2
7 1/4" SKILL SAW	1
6 WAY ELECTRICAL GANG BOX	4
25' TAPE MEASURE	1
100' TAPE MEASURE	1
6' CARPENTER'S RULE	1
CONSTRUCTION CRAYONS: RED & BLUE	2 EACH
CHALKLINE: RED & BLUE	1 EACH
48" FRAMING LEVEL	1
LINE LEVEL	1
FLUID BOB	1
22 OZ FRAMING HAMMER	1
CARPENTER'S FRAMING SQUARE	1
TIN SNIPS, LEFT & RIGHT	1 EACH
UTILITY KNIFE	1 (OPTIONAL)
POWDER ACTUATED FASTENER SYSTEM	1 (OPTIONAL)
2400W ELECTRICAL GENERATOR	1 (OPTIONAL)
PNEUMATIC NAIL GUN	1 (OPTIONAL)
PORTABLE AIR COMPRESSOR	1 (OPTIONAL)

### SPECIALTY TOOLS for Logs & Timbers

ITEM	QTY.
16" MAKITA SAW	1
3/4" OR WIDER WOOD CHISEL	1
1/2" ELECTRIC IMPACT DRIVER	2
9/16" DEEP WELL SOCKET	2
1/2" DRILL MOTOR	2
1/4" DRILL MOTOR	1
SMALL WISK BROOM	3
12" SPEED SQUARE	1
RECIPROCATING SAW	1
12-16 LB. SLEDGE HAMMER	1
3 LB. HAMMER	1
24"-30" CROW BAR	1
2" SQ. NOSE TROUVEL (Chink style Logs only)	1
HAND PUMP PORTABLE GARDEN SPRAYER	1
GAS POWERED CHAINSAW	1 (OPTIONAL)
SPLIT RING GROOVE CUTTER	1 (SEE PLANS)
BITS	
3/8"Ø AUGER, 6" OR 8" LONG	3
1"Ø AUGER, 6" OR 8" LONG	3
3/4"Ø AUGER 12" LONG	3
1" SPADE, 6" OR 8" LONG	2
2 1/4" SPADE, 6" OR 8" LONG	2
16" MAKITA SAW BLADE	2
RECIPROCATING SAW BLADE, 12"	2
SMALL SET, STANDARD DRILL	1

#### NOTE!

THIS LIST IS NOT ALL INCLUSIVE, BUT REPRESENTS THE MOST COMMONLY REQUIRED TOOLS FOR A TYPICAL LOG STRUCTURE. JOB CONDITIONS MAY REQUIRE VARIOUS OTHER TOOLS TO BE EMPLOYED.

## GENERAL FINISHING NOTES:

1. CYPRESS LOGS AND LUMBER IS HIGH IN MOISTURE CONTENT WHEN IT ARRIVES AT THE CONSTRUCTION SITE, THUS DURING THE COURSE OF THE CONSTRUCTION A PRONOUNCED DARKENING OF THE WOOD WILL OCCUR. FOLLOWING THE DRY-IN OF THE STRUCTURE AN APPLICATION OF BLEACH WILL REMOVE THIS DISCOLORATION.
2. PROCEED WITH MIXING STANDARD HOUSEHOLD BLEACH W/ AN EQUAL AMOUNT OF WATER. APPLY WITH A PUMP STYLE GARDEN SPRAYER, BEGINNING AT THE LOWEST LEVEL & WORKING UPWARD, COVER ALL PORTIONS OF THE WOOD WITH THE BLEACH/WATER MIXTURE UNTIL IT IS FREELY FLOWING OVER THE SURFACE OF THE WOOD.
3. FOLLOWING APPLICATION OF THE BLEACH/WATER MIXTURE, ALLOW THE ENTIRE STRUCTURE TO DRY-OUT BEFORE PROCEEDING W/ OTHER WORK.

GENERAL NAILING SCHEDULE:		
NUMBER OF NAILS FOR CONNECTING WOOD MEMBERS:	COMMON NAILS	Nr. / SPACING
BRIDGING TO JOIST, TOE NAIL	16d	2 EA, END
2" SUB FLOOR TO JOIST, BLIND & FACE NAILING	16d	2
SOLE PLATE TO JOIST OR BLOCKING FACE NAILED	16d	16" O.C.
TOP OR SOLE PLATE TO STUD END NAILED	16d	2
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 - LAPS & 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	30" O.C.
BUILT-UP GIRDERS & BEAMS	20d	32" O.C. @ TOP & BOTTOM 4 STAGGERED - 2 @ EA, END 4 @ SPLICES 6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE 6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE 3" O.C. @ EDGES 6" O.C. @ INTERMEDIATE
3/4" PLYWOOD SUB FLOORING	8d	6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE 6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE 3" O.C. @ EDGES 6" O.C. @ INTERMEDIATE
OSB SHEATHING, 7/16" THICK	8d	6" O.C. @ EDGES 10" O.C. @ INTERMEDIATE 3" O.C. @ EDGES 6" O.C. @ INTERMEDIATE
1/8" FIBERBOARD SHEATHING	6d	6" O.C. @ INTERMEDIATE
<p>A. NAILS, BOLTS AND OTHER METAL CONNECTORS WHICH ARE USED IN LOCATIONS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR OTHERWISE CORROSION RESISTANT.</p> <p>B. IN GENERAL, NAILS SHALL PENETRATE THE SECOND MEMBER A DISTANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERETO, OR GREATER.</p> <p>C. THERE SHALL BE NOT LESS THAN 2 NAILS PER CONNECTION.</p> <p>D. GLUING SHALL NOT BE CONSIDERED AN ACCEPTABLE CONNECTOR IN LIEU OF THOSE SPECIFIED HEREIN.</p> <p>E. 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.</p> <p>F. NAILS PROJECTING BEYOND THE LAST WOOD MEMBER SHALL BE CLINCHED, WHEREVER POSSIBLE.</p> <p>G. NOTES IN THE "PLANS" PACKAGE OF THE CONSTRUCTION DOCUMENTS SUPERSEDE SIZES &amp; SPACINGS OF NAILS CONTAINED HEREIN.</p>		
WINDOW INSTALLATION GUIDELINES:		
1.	REFER TO THE DETAILS ON SHEET A3 FOR ROUGH OPENING SUB-BUCK REQUIREMENTS AND SQUARING. ALL ROUGH OPENINGS SHALL BE SQUARE, PLUMB AND TRUE TO PLANE AND SIZE REQUIREMENTS.	
2.	ALL GAPS BETWEEN THE SUB-BUCKS (JAMBS, HEADS & SILLS) & THE WALL LOGS SHALL BE SEALED WITH CAULK AND/OR FOAM INSULATION. ANCHOR THE SUB-BUCKS TO THE LOG WALL WITH 2 - 8" PANEL FASTENERS INTO UPPER 2 LOG COURSES AND LOWER 2 LOG COURSES EA. SIDES OF THE WINDOW OPENING (8 TOTAL) WHERE DBL. BUCKS ARE REQUIRED, USE 3 PANEL FASTENERS AT TOP & BOTTOM OF THE JAMBS (12 TOTAL).	
3.	RECESS THE HEADS OF THE JAMB LOGS 3/8", MIN. TO BE FLUSH W/ THE FACE OF THE SUB-BUCK.	
4.	PLACE WINDOW UNIT IN ROUGH OPENING AND SHIM AS REQUIRED FOR A LEVEL PLACEMENT. CENTER THE UNIT IN THE ROUGH OPENING & WEDGE IT INTO PLACE USING TAPERED CEDAR SHIMS. FIX WINDOW IN OPENING USING 12d FINISHING NAILS, INSTALLED IN INCONSPICUOUS LOCATIONS. NOTE: POSITION METAL WINDOW UNIT IN THE CENTER OF THE R.O. & LEVEL	
5.	SECURE THE WINDOW UNIT IN PLACE W/ 8" X 2 1/2" WOOD SCREWS @ 12" O.C., AT EA. JAMB & ALONG THE HEAD - PLACE SCREWS WITHIN 4" OF EA. CORNER - INSTALLED IN INCONSPICUOUS LOCATIONS. NOTE: SECURE METAL WINDOWS TO THE SUB-BUCK WITH 10d GALV. SPIRAL NAILS AT 8" O.C., ALL AROUND, & WITHIN 4" OF CORNERS	
6.	INSTALL THE EXTERIOR TRIM BY NAILING TO THE SUB-BUCK, USING THE 12d SPIRAL GALV. SIDING NAILS. FILL ALL GAPS BETWEEN THE TRIM AND THE WALL LOGS AT THE JAMBS WITH FOAM INSULATION.	
7.	INSTALL ALL METAL FLASHING OVER THE HEADS OF ALL WINDOWS (& DOORS) EXPOSED TO THE WEATHER, PARTICULARLY ON GABLE END WALLS. CUT A SAW KERF INTO THE WALL LOGS, 1" DEEP. PRESS IN THE METAL FLASHING AND CAULK IN PLACE.	
8.	INSTALL THE INTERIOR TRIM BY NAILING TO THE SUB-BUCK, USING THE 10d FINISH NAILS. SET NAIL HEADS AND FILL HOLES W/ COLOR MATCHED WOOD FILLER, OR AS DIRECTED BY THE OWNER.	
9.	TAKE PRECAUTIONARY MEASURES PRIOR TO MIXING & APPLYING THE BLEACH/WATER SOLUTION, BY WEARING PROTECTIVE EYEWEAR, RUBBER GLOVES AND PLASTIC OR RUBBER OUTER CLOTHING TO MINIMIZE EXPOSURE TO THE BLEACH. OPEN ALL DOORS AND WINDOWS, AND IN THE ABSENCE OF WIND, USE FANS TO PROMOTE VENTILATION OF THE WORK AREA. DO NOT APPLY ANY ACID OR ACIDIC SOLUTIONS TO THE WET BLEACHED WOOD AS DEADLY CHLORINE GAS WILL BE GENERATED. READ ALL PRECAUTIONARY LABELS ON THE BLEACH CONTAINERS PRIOR TO BEGINNING THIS PHASE OF THE WORK. DO NOT ALLOW UNNECESSARY WORKMEN OR OBSERVERS IN OR ABOUT THE WORK AREA DURING THIS PORTION OF THE WORK.	


	<p><b>GENERAL CONSTRUCTION NOTES:</b></p> <ol style="list-style-type: none"><li>FIELD VERIFY ALL DIMENSIONS AND MATERIALS. ALL OUTSIDE DIMENSIONS ARE TO FACE OF RIM JOIST, OR O/S FACE OF LOGS.</li><li>ALL NAILING CONSTRUCTION MATERIALS SHALL BE AS PER FBC 2006 AND LOCAL CODE(S).</li><li>PROVIDE EXTERIOR COMBUSTION AIR TO GAS FIRED H.V.A.C. EQUIPMENT WOOD BURNING STOVES, AND FIREPLACES.</li><li>VENT CLOTHES DRYER, BATH, AND COOKING FANS TO EXTERIOR, AS REQUIRES - REFER TO H.V.A.C. GENERAL NOTES.</li><li>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</li><li>TRUSS ROOF AND TRUSS FLOOR FRAMING PLANS ARE FOR GENERAL INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL PROVIDE A DETAILED LAYOUT FOR TRUSS AND FRAMING MEMBERS - REFER ALSO TO STRUCTURAL NOTES</li><li>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 SRLH STANDARD RECOMMENDED BUILDING PROCEDURES - CALL IMMEDIATE ATTENTION TO SUCH CONDITIONS BEFORE PROCEEDING.</li><li>IF GAS-BURNING APPLIANCES ARE NOT PERMITTED IN BASEMENTS OR CRAWLSPACES.</li><li>DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS ONLY.</li><li>DUE TO THE AVAILABILITY OF MATERIALS, SRLH, INC. RESERVES THE RIGHT TO SUBSTITUTE MATERIAL SHOWN ON PLANS FOR A COMMENSURATE MATERIAL WHICH IS IN COMPLIANCE WITH SAFETY &amp; BUILDING CODE REQUIREMENTS.</li><li>THESE DETAIL SHEETS CONTAIN INFORMATION WHICH IS IMPERATIVE TO THE PROPER AND TIMELY OF YOUR HOUSE. BE SURE THE CONTRACTOR RECEIVES THE INFORMATION !!</li></ol>
	<p><b>GENERAL FINISHING NOTES CONT.:</b></p> <ol style="list-style-type: none"><li>BLEACHING OPERATIONS, BOTH INTERIOR AND EXTERIOR SHALL BE PERFORMED IN SUCH A WAY AS TO MINIMIZE DAMAGE TO SURROUNDING WORK AND ANY VEGETATION DESIGNATED BY THE OWNER TO BE PROTECTED - VERIFY WITH THE OWNER PRIOR TO COMMENCING WITH THIS PORTION OF THE WORK.</li><li>EXTERIOR WOOD FINISH IS GENERALLY THE APPLICATION OF A STAINING WOOD PRESERVATIVE, BY BRUSHING OR SPRAYING, OR APPLYING A RAPID WEATHERING OIL WHICH HASTENS THE SILVER APPEARANCE OF OLD WEATHERED WOOD. VERIFY WITH THE OWNER AS TO THE FINAL FINISH DESIRED AND AS TO THE COLOR SELECTION FOR THE STAIN.</li><li>APPLICATION OF EXTERIOR FINISH/WOOD PRESERVATIVE SHALL BE DONE IN SUCH A MANNER AS TO MINIMIZE DAMAGE TO SURROUNDING, ADJACENT MATERIALS/WORK &amp; VEGETATION, AS IN NOTE 5, ABOVE.</li><li>ALL INTERIOR PARTITION WALLS SHALL BE FINISHED WITH 1/2" GWB, UNLESS NOTED OTHERWISE. AT MASONRY WALLS, FURR WITH P/T 1X2 WD. STRIPS OR 3/4" MTL. FURRING CHANNELS AT 16" O.C. AND COVERED WITH 1/2" GWB, U.N.O. ALL EXTERIOR CORNERS SHALL HAVE FULL HEIGHT MTL. CORNER BEADS &amp; ALL JOINTS SHALL BE COVERED WITH TAPE AND 2 COATS OF JOINT COMPOUND. ALL WALLS THUS FINISHED SHALL BE SMOOTH &amp; WITHOUT BLEMISH, READY TO RECEIVE FURTHER FINISH TREATMENT AS DIRECTED BY THE OWNER.</li><li>WHERE INDICATED IN THE PLANS, OR WHERE DIRECTED BY THE OWNER, APPLY 1X6 WOOD PANELING &amp; TRIM, WITH TRUE CUTS AND MITERS, IN THE PATTERN AS DIRECTED BY THE OWNER, IE: HORIZONTAL, 45°, VERTICAL OR FOLLOWING A SLOPING PLANE. SCRIBE FIT TRIM TO ALL IRREGULAR SURFACES &amp; SET ALL NAIL HEADS BELOW THE SURFACE OF THE FACE OF THE TRIM, USING A NAILSET.</li><li>CONTRACTOR SHALL, AT THE COMPLETION OF HIS WORK, REMOVE ALL RUBBISH FROM WITHIN AND ABOUT THE STRUCTURE, ALL HIS TOOLS, EQUIPMENT, SCAFFOLDING &amp; SURPLUS MATERIALS NOT RETAINED BY THE OWNER, AND SHALL LEAVE THE STRUCTURE CLEAN, HAVING THOROUGHLY SWEEPED THE FLOORS, CLEANED THE WINDOWS &amp; GLASS SURFACES, PLUMBING FIXTURES &amp; MILLWORK AND DUSTED ALL FLAT SURFACES BEAMS &amp; RAFTERS &amp; WALL LOGS. STONEWORK SHALL BE CLEANED w/ REMOVAL OF ANY EFFLORESCENCE AND EXCESS MORTAR.</li></ol>

## REVISION:

**DRAWN:**  
KEB

**REVIEWED:**  
GJG

Custom Log Home for:  
**Ted Smith**  
Alachua Co., FL



**GARY J. GILL, PE**  
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STRUCTURAL/CIVIL ENGINEERS

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Manufacturers  
Specializing in Cypress & Cedar Custom Homes

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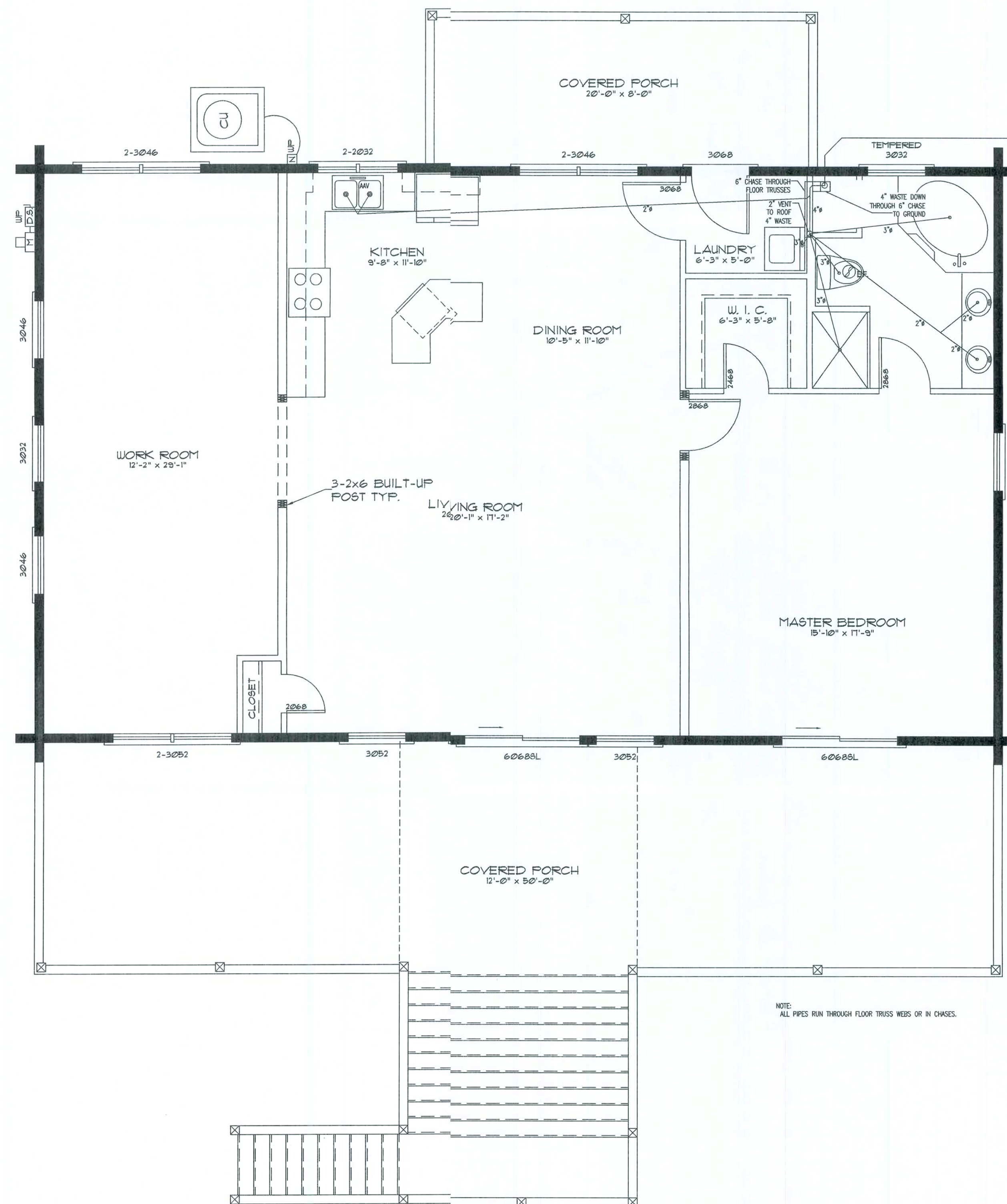
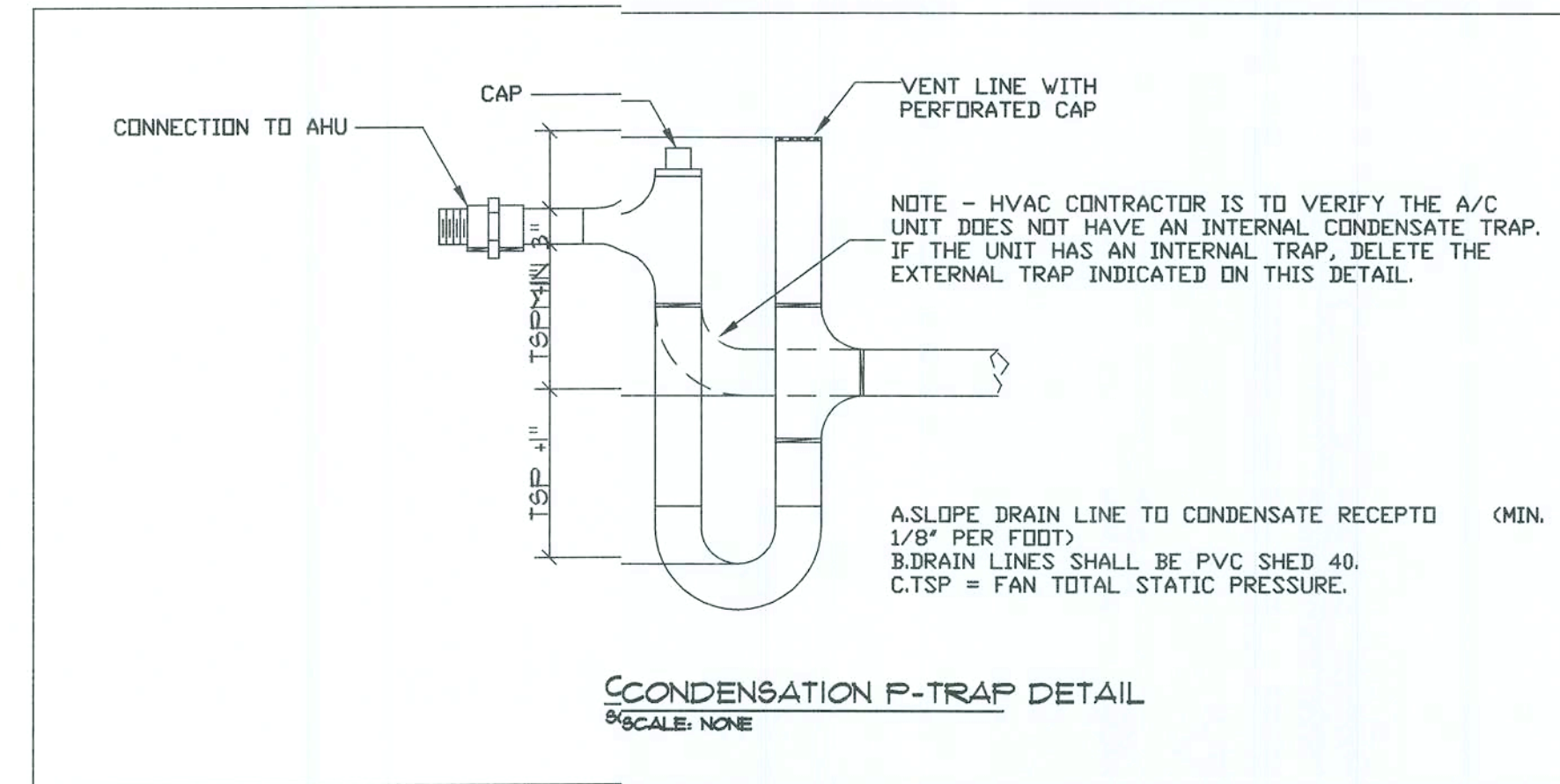
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1. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC.. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION.
2. ALL WORK AND MATERIAL SHALL COMPLY WITH THE NATIONAL, STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
3. THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
4. ALL MATERIAL SHALL BE NEW.
5. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
6. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
7. THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS.
8. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
9. THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORKMANSHIP FOR A PERIOD OF NOT LESS THAN (1) ON YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGES AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE IN THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
10. VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ENGINEER/ARCHITECT OF ANY DISCREPANCIES.
11. ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSABLE STOPS.
12. WATER PIPING SHALL BE CPVC.
13. SOIL, WASTE, AND VENT PIPING SHALL BE PVC SCHEDULE 40 DVM. WASTE AND VENT PIPING ABOVE SLAB SHALL BE PVC.
14. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE PVC SCHEDULE 40. INSULATE ALL CONDENSATE PIPING EXCEPT EXTERIAL PIPING. ALL PIPING TO BE INSTALLED PER LOCAL CODE.
15. FURISH AND INSTALL APPROVED AIR CHAMBERS/AT EACH PLUMBING FIXTURE AND PDI APPROVED SHACK ARRESTERS ON MAIN LINE AND RISERS.
16. PROVIDE CHROME PLATED COMBINATION COVERED PLATE AND CLEANOUT PLUG FOR ALL WALL CLEANOUTS. JOSAM #58890.
17. INSULATE LINES AS FOLLOWS:
  - a. WATER SUPPLY AND RETURNS: 1" THICK ARMAFLEX
  - b. CONDENSATE DRAIN: 1/4" THICK ARMAFLEX


**Ted Smith**

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P.1

1 OF 1

# Plumbing Plan

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

1/9/89



## GENERAL MECHANICAL NOTES

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR THE INSTALLATION CODE AND ALL OPTION OF A COMPLETE SYSTEM IN WITH THESE DRAWINGS, THE APPLICABLE BUILDING CODE AND ALL OTHER APPLICABLE STATE, COUNTY, AND LOCAL ORDINANCES AND THE LATEST ADDITION OF THE FOLLOWING PUBLICATIONS, ASHREA, NFPA 90A, 90B, 91, AND ANSI B-9.1 MECHANICAL REFRIGERATION.
- THE CONTRACTOR SHALL PAY ALL COSTS OF PERMIT, INSPECTIONS, AND ALL OTHER COSTS INCIDENTAL TO THE COMPLETION AND TESTING OF THIS WORK.
- THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL SUPPLY THE ENGINEER/ARCHITECT WITH AS-BUILT DRAWINGS UPON COMPLETION OF THIS PROJECT.
- CONTRACTOR SHALL SUBMIT FOR APPROVAL FIVE (5) COPIES OF MANUFACTURER'S DRAWING FOR EACH PIECE OF EQUIPMENT AND CONTROLS INCLUDED IN CONTRACT.
- ALL MATERIAL SHALL BE NEW OF GOOD QUALITY. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER BY SKILLED WORKMAN.
- ALL AIR CONDITIONING DUCT SHALL BE OF 1-1/2" STANDARD DUTY FOIL REINFORCED FIBERGLASS WITH MANUFACTURER'S LOGO PRINTED ON THE VAPOR BARRIER. ALL FLEX TO BE R-8.
- ALL EXHAUST DUCTS AND OUTSIDE AIR DUCTS SHALL BE GALVANIZED SHEET METAL WITH SEALED SEAMS AND JOINTS.
- DUCT SIZES SHOWN ARE INSIDE DIMENSIONS.
- ALL AIR DEVICES (DIFFUSERS, REGISTERS, AND GRILLS) SHALL BE ALL ALUMINUM CONSTRUCTION WITH EXPOSED SURFACE OFF WHITE BAKED ENAMEL FINISH OR AS SPECIFIED BY ENGINEER/ARCHITECT. DEVICES SHALL BE TITUS, METALAIR, AND AIRGUIDE. PROVIDE OPPOSED BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS.
- THERMOSTAT SHALL BE COMBINATION COOLING/HEATING, WITH SYSTEM "COOL-AUTO-HEAT-OFF" AND FAN "ON-AUTO" SELECTOR SWITCHES. PROVIDE PROGRAMMABLE TYPE, CARRIER OR EQUAL.
- REFRIGERANT LINES SHALL BE COPPER, TYPE "L" HARD DRAWN WITH WROUGHT COOPER SOLDER-JOINT TYPE FITTINGS. USE 85/5 SOLDER. REFRIGERANT LINES SHALL BE SIZED AS PER MANUFACTURER RECOMMENDATIONS.
- ARMAFLEX 3/4" INSULATION SHALL BE USED FOR SUCTION LINES, FILTER/DRYER AND SIGHT GLASS SHALL BE PROVIDED AT LIQUID LINES.
- ALL BRANCH TAKE-OFFS TO BE PROVIDED W/MANUAL VOLUME DAMPERS. ALL ELBOWS AND TEES MUST BE FURNISHED W/TURNING VANES. PROVIDE 45 DEGREES BRANCH TAKE-OFF AS PER BRANCH DUCT TAKE-OFF DETAIL.

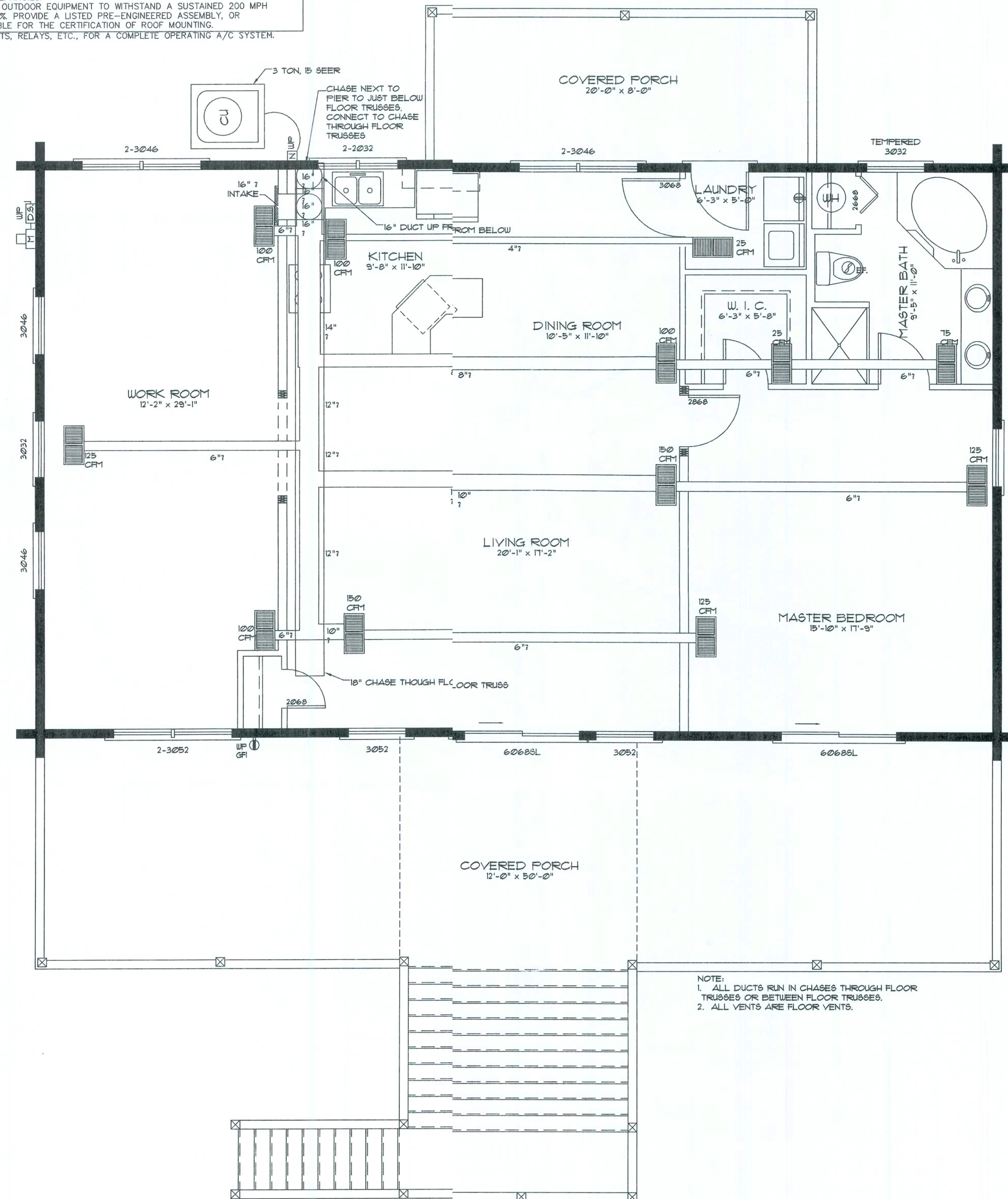
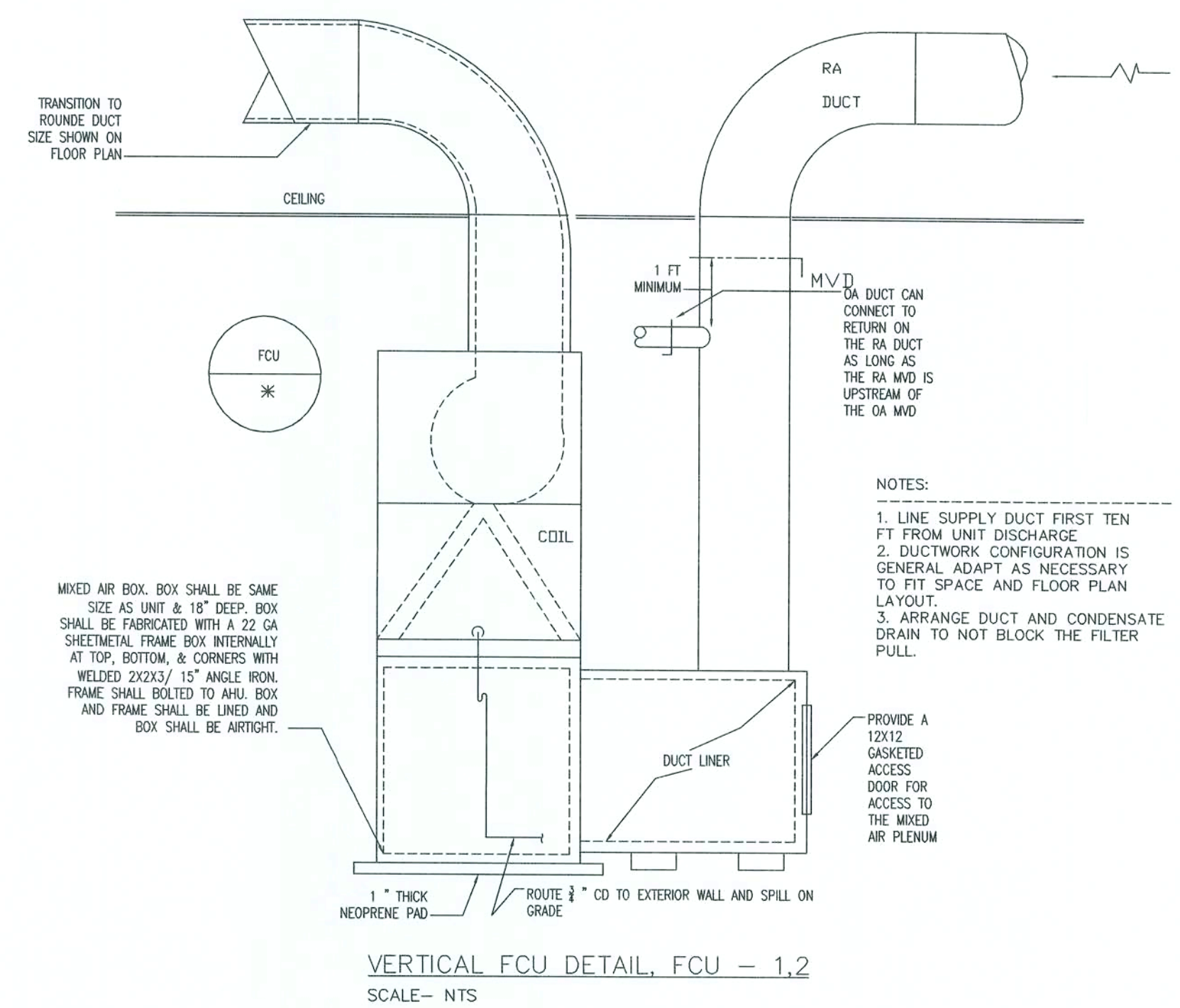
- PROVIDE NEW FILTERS FOR ALL AIR CONDITIONING EQUIPMENT BEFORE STARTING THEM. REPLACE THEM PRIOR TO ACCEPTANCE BY OWNER.
- PROVIDE SMOKE DETECTORS WITH ACCESS DOORS IN ALL SUPPLY AIR DUCTS FOR FANS AND AHU'S SERVING A COMMON FLENUM OF 2000 CFM OR ABOVE. ALL SMOKE DETECTORS SHALL BE BY ONE MANUFACTURER, COORDINATE VOLTAGE ETC. WITH ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM BEFORE ORDERING.
- PROVIDE TYPE "B" FIRE DAMPERS IN ALL DUCTS OR OPENINGS PENETRATING FIRE RATED WALLS. MECHANICAL AND ELECTRICAL ROOMS, TENANT SEPARATION, PARTITIONS, FLOOR OR ROOF SLABS AND AT O/A INTAKES. PROVIDE RADIATION DAMPERS IN RATED CEILING FOR ALL CEILING OPENING, CEILING FANS, DIFFUSERS OR GRILLS RATED FOR USE IN THE CEILING ASSEMBLY.
- HVAC CONTRACTOR SHALL PROVIDE AN INDEPENDENT TEST AND BALANCE REPORT FOR ALL MECHANICAL EQUIPMENT, AIR DEVICE, DAMPERS, AHU'S AND FANS. THE TAB SHALL BE IN ACCORDANCE WITH THE AIR BALANCE COUNCIL STANDARDS AND SHALL INCLUDE AIR QUANTITIES FOR ALL SUPPLY GRILLS, RETURN GRILLS, AND EXHAUST GRILLS AND LEAVING AND ENTERING AIR TEMPERATURE FROM THE SUPPLY GRILLS AND EVAPORATORS.
- THERMOSTAT LOCATION SHALL BE APPROVED BY OWNER AND ENGINEER/ARCHITECT BY INSTALLATION.
- ALL INSULATION WILL HAVE FIRE/SMOKE RATING LESS THAN 50/50.
- MECHANIC PLANS IN GENERAL, ARE DIAGRAMMATIC IN NATURE, AND ARE TO BE READ IN CONJUNCTION WITH ARCHT. PLUMBING, ELECTRICAL, AND STRUCTURAL PLANS AND SHALL BE CONSIDERED AS ONE SET OF DOCUMENTS. DUCT AND PIPING OFFSETS, BENDS AND TRANSITIONS WILL BE REQUIRED TO PROVIDE AND INSTALL A COMPLETE FUNCTIONAL SYSTEM AND SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- NO COMBUSTIBLE MATERIALS ARE ALLOWED IN RETURN AIR PLENUMS OR ABOVE CEILINGS USED AS RETURN AIR PLENUM. IF SPACE WITH RETURN AIR PLENUM HAS ANY DECK PARTITION, AIR TRANSFER DUCTS MUST BE INSTALLED.
- REFER TO PLUMBING PLAN FOR CONDENSATE PIPING.
- IF PROJECT IS A REMODEL OF AN EXISTING BUILDING, THE CONTRACTOR SHALL VISIT JOB SITE PRIOR TO CONSTRUCTION AND COORDINATE ALL FIELD CONDITIONS. ENGINEER AND/OR ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONTRACTOR SHALL INSTALL ALL OUTDOOR EQUIPMENT TO WITHSTAND A SUSTAINED 200 MPH WIND WITH A GUST FACTOR OF 30X. PROVIDE A LISTED PRE-ENGINEERED ASSEMBLY, OR CONTRACTOR SHALL BE RESPONSIBLE FOR THE CERTIFICATION OF ROOF MOUNTING.
- PROVIDE ALL NECESSARY CONTACTS, RELAYS, ETC., FOR A COMPLETE OPERATING A/C SYSTEM.

HVAC CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL HVAC WORK, INCLUDING ALL DUCTWORK LOG, SIZES, LINES, EQUIPMENT ECH, & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

MOUNT CU & AHU ON 4" THK CONC. PAD, SIZED TO EXTEND 4" BEYOND EQUIPMENT, ALL AROUND, SECURE EQUIPMENT W/ STL STRAPS & TEC SCREWS

REINF. SLAB W/ 6x6 10/10 W/W

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



## Mechanical Plan

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

REVISION:

DRAWN:  
KEB

REVIEWED:  
GJG

Custom Log Home for:  
**Ted Smith**  
Alachua Co. FL

Gary J. Gill, PE 51942  
P.O. Box 187  
130 West Howard St.  
Live Oak FL 32064  
Phone: (386) 362-3678  
Fax: (386) 362-6133  
Auth # 9461

**JG**  
STRUCTURAL ENGINEERS

**SUWANEE RIVER LOG HOMES, INC.**  
Manufacturers  
Specializing in Cypress & Cedar Custom Homes  
4345 HIGHWAY 90, UELI BORN, FLORIDA 32994  
904-963-LOGS (5647) / 1800-361-LOGS (5647)

DATE:  
10SEP03

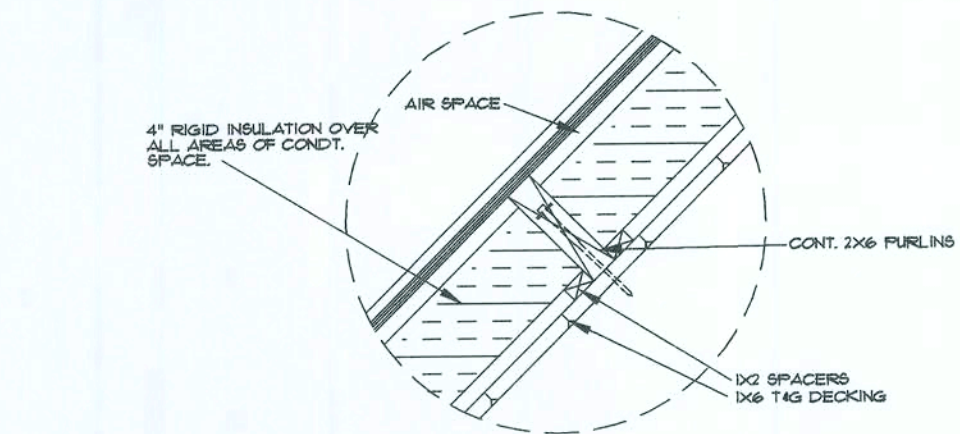
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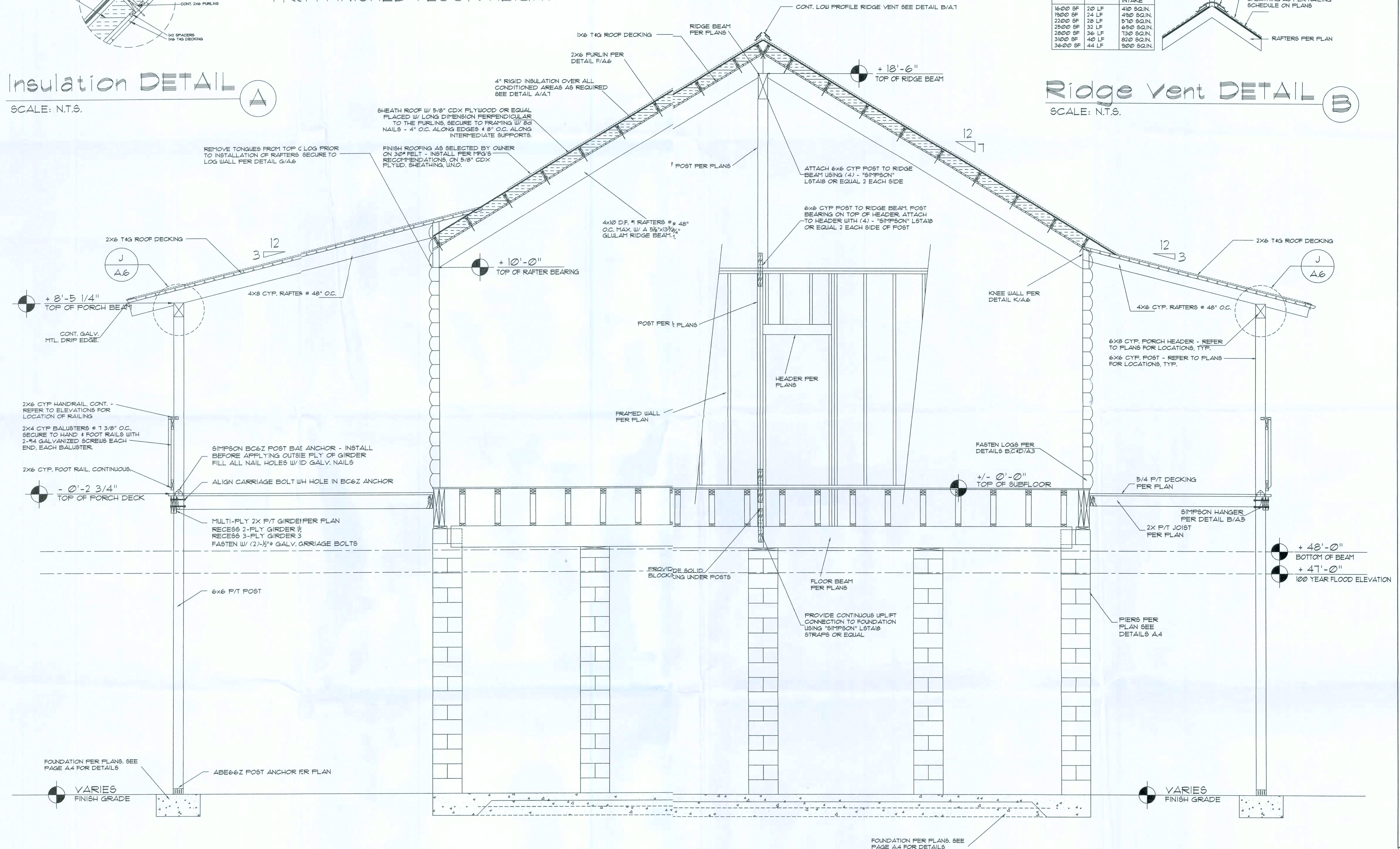




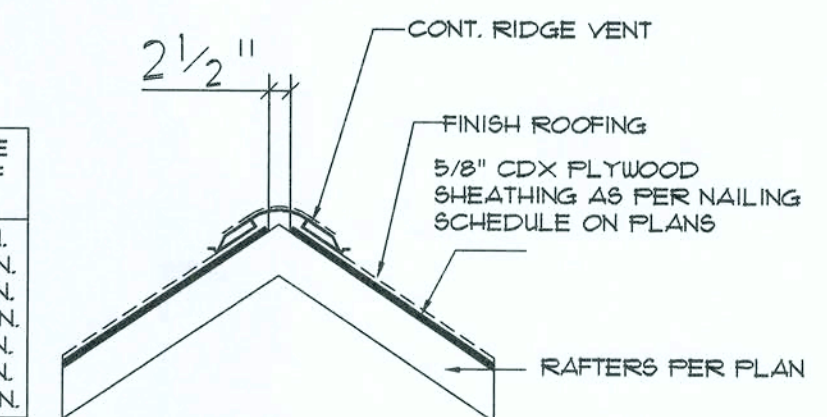
## Insulation DETAIL A

SCALE: N.T.S.

NOTE:  
ELEVATION MARKS ON HOME ARE  
FROM FINISHED FLOOR HEIGHT



AREA OF ATTIC	REQ'D LF. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	810 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



## Ridge Vent DETAIL B

SCALE: N.T.S.

## Building Section

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

REVISION:

DRAWN:

KEB

REVIEWED:

GJG

Custom Log Home for:  
**Ted Smith**  
Columbia Co., FL

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Live Oak FL, 32064  
Phone: (386) 362-3678  
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Auth # 9461



SUNSHINE RIVER  
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Manufacturers  
Specializing in Cypress & Cedar Custom Homes  
4345 Highway 90, Belle Glade, FL 33424  
562-563-1038/564-4711 / 800-362-1038/564-4711

DATE:

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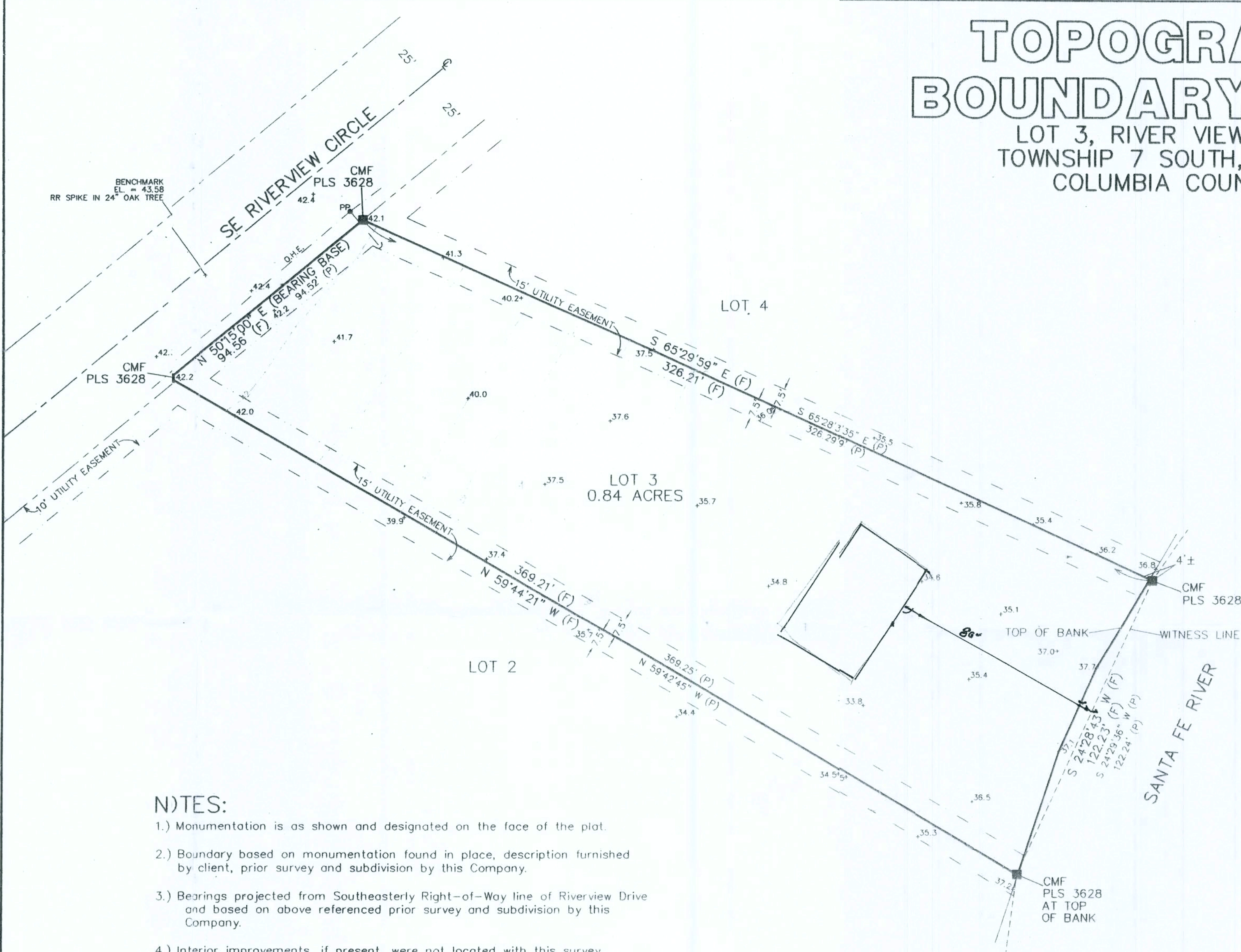
OF 8





# TOPOGRAPHY & BOUNDARY SURVEY

LOT 3, RIVER VIEW IN SECTION 27  
TOWNSHIP 7 SOUTH, RANGE 17 EAST  
COLUMBIA COUNTY, FLORIDA



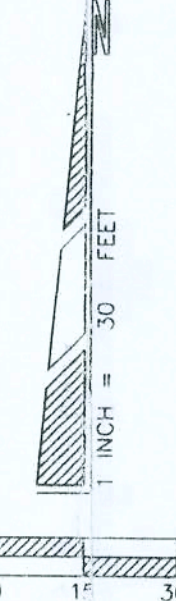
## DESCRIPTION:

Lot 3, RIVER VIEW, a subdivision recorded in Plat Book 5, Pages 73-74 of the Public Records of Columbia County, Florida.

## NOTES:

- 1.) Monumentation is as shown and designated on the face of the plat.
- 2.) Boundary based on monumentation found in place, description furnished by client, prior survey and subdivision by this Company.
- 3.) Bearings projected from Southeasterly Right-of-Way line of Riverview Drive and based on above referenced prior survey and subdivision by this Company.
- 4.) Interior improvements, if present, were not located with this survey.
- 5.) Underground encroachments, if present, were not located with this survey.
- 6.) This survey was made without benefit of a title search. There may be additional easements, restrictions, etc. not shown hereon but found in the Public Records. Issues regarding title, land use & zoning, easements & other encumbrances are not a part of the scope of a Boundary Survey and can only be revealed with a title search.
- 7.) Date of field survey completion: April 3, 2009.
- 8.) Examination of the Flood Insurance Rate Maps (FIRM) for Columbia County shows that, per said maps, the described parcel lies within Flood Zone "AE", which according to said maps is inside of the 1% annual chance flood plain (f.k.a. 100 year flood plain) (ref: Map No. 12023C0551C). A base flood elevation (BFE) of 47 feet is shown on said FIRM maps.

LEGEND	
CMF	CONCRETE MONUMENT FOUND
PLS	PROFESSIONAL LAND SURVEYOR
R/W	RIGHT-OF-WAY
C	CENTER LINE
P	PLAT MEASUREMENTS
CR	CORNER
NE	NORTHEAST
NW	NORTHWEST
SW	SOUTHWEST
SE	SOUTHEAST
LB	LICENSED BUSINESS
(F)	FIELD MEASUREMENTS



NOT VALID WITHOUT THE SIGNATURE  
AND ORIGINAL RAISED SEAL OF A  
FLORIDA REGISTERED PROFESSIONAL  
SURVEYOR AND MAPPER

*Timothy A. Delbene*  
Timothy A. Delbene, P.L.S.  
Florida Reg. No. 5594  
DATE: 6/2/2009

REVISED: 06/01/2009 Topo Added.		CAD FILE: 5705.DWG	
<b>Donald F. Lee and Associates, Inc.</b>			
SURVEYORS		ENGINEERS	
140 Northwest Ridgewood Avenue, Lake City, Florida 32055			
Phone: (386) 755-6166		FAX: (386) 755-6167	
Certificate of Authorization # LB 7042			
Date: 04/09/2009	Drafting: A V G	Scale: 1"=40'	
Computations: A V G	Checked: T A D	Field Book: 09-558	
<b>TED SMITH</b>		Work Order: 09-5705	
		File: A-48-7 A	