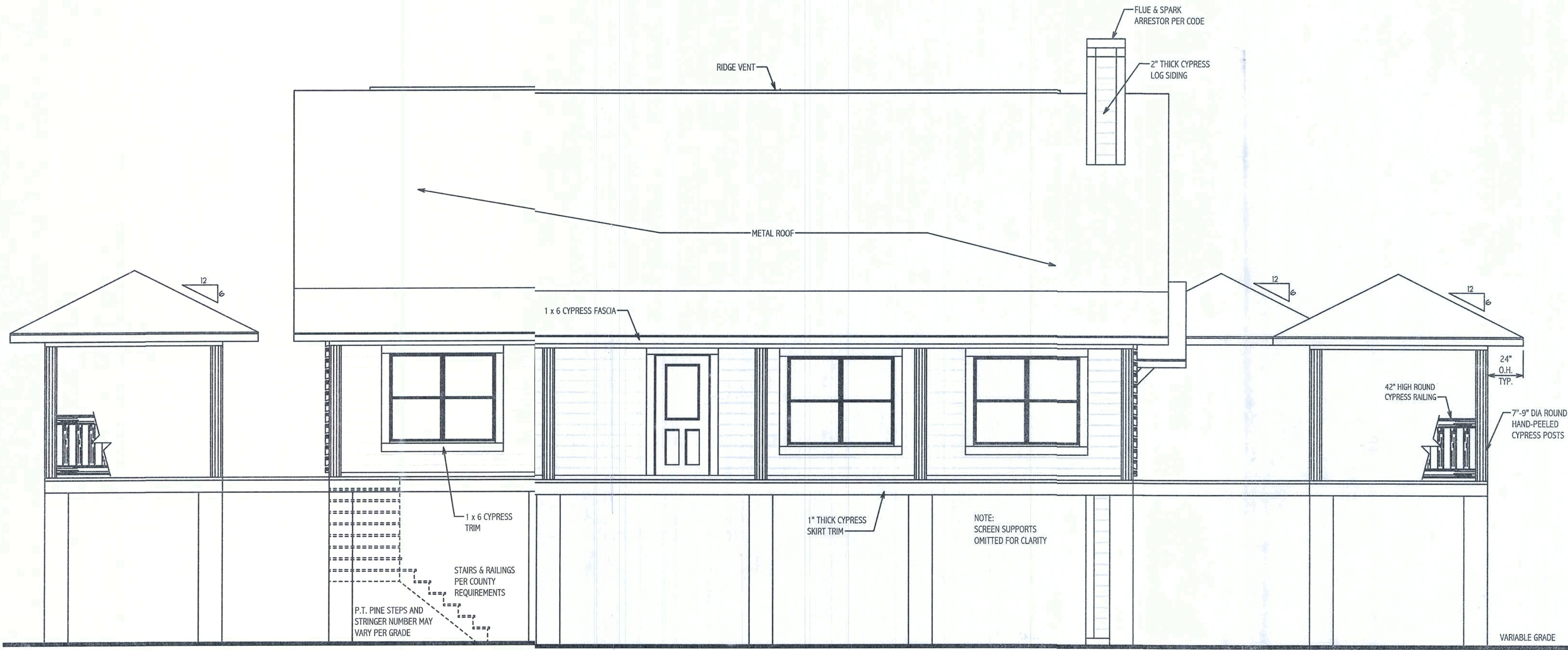


GENERAL NOTES:

1. Builder to verify all measurements and dimensions before construction.
2. This structure to be built to meet or exceed the Florida Building Code 2017, 6th Edition. Local and/or site conditions may require these specifications to be revised to achieve code compliance. In the event that the specification revisions are required, they are the sole responsibility of the owner.
3. This structure has been designed to meet 130 mph wind loads as per the Florida Building Code 2017, 6th Edition.
4. All Federal, State and Local codes, ordinances, regulations along with accepted and customary building practices etc., shall be considered as part of these building plans and shall take precedence over anything shown, described or implied where the same are at variance.
5. Grade requirements may vary according to soil conditions and County codes.
6. Truss Manufacturer to submit Florida Sealed Engineered scaled shop drawings for roof and floor framing to comply with all applicable codes.
7. Technical data from truss manufacturers shop drawings (primarily layouts) supercedes framing plans shown here on.
8. Any changes or alterations to these blueprints without written permission relieves BK CYPRESS LOG HOMES, INC. of any and all responsibility.
9. Any defects or errors found on these blueprints after the start of construction become the sole responsibility of the builder.
10. This home plan is designed and/or engineered to be used only with cypress materials produced by BK CYPRESS LOG HOMES, INC., and graded to specifications and strengths as specified in ASTM D-3957, and (IAS AA-664 code accreditation) for the Timber Products Inspection, Inc.
Use of any other species and /or substitutions of lesser stamped grades of cypress shall render this plan VOID, and relieves BK CYPRESS LOG HOMES, INC. of any liability resulting from the unauthorized substitution and/or use.

STRUCTURAL NOTES

1. FOUNDATION DESIGN BASED ON A SOIL BEARING CAPACITY OF 1500 psf. FIELD VERIFICATION IS TO BE BY OWNER.
2. ALL CAST-IN -PLACE CONCRETE SHALL BE 3000 psi DESIGN MIX.
3. ALL REINFORCING BARS SHALL BE GRADE 60 CONFORMING TO ASTM A615.
4. COMPRESSIVE STRENGTH FOR MASONRY SHALL BE 1800 psi MIN. FOR MORTAR TYPE "M" OR "S".
5. ALL ANCHOR BOLTS TO CONFORM TO ASTM A36 OR A307.
6. UNLESS OTHERWISE SPECIFIED ALL NON CYPRESS LUMBER SHALL BE AS FOLLOWS:
NO. 2 SOUTHERN YELLOW PINE OR BETTER FOR JOISTS, HEADERS, BEAMS, AND DECKING.
NO. 1 SPRUCE PINE FIR OR BETTER FOR STUDS.
7. LIVE LOAD DEFLECTION LIMITATIONS ARE AS FOLLOWS:
ROOF - L/240
FLOOR - L/360
8. TOTAL DESIGN FLOOR LOAD IS 55 psf.
9. TOTAL DESIGN ROOF LOAD IS 40 psf.
10. ALL POLYETHYLENE MATERIALS TO CONFIRM TO ASTM C171.
11. ALL CYPRESS LOGS ARE DIMENSIONAL SIZES.
12. ALL PRE-MANUFACTURED METAL CONNECTORS SUCH AS BUT NOT LIMITED TO: HANGERS, HURRICANE CLIPS OR SHOP BUILT STEEL PLATES, MUST HAVE ALL HOLES FILLED WITH MANUFACTURER'S SPECIFIED FASTENERS, UNLESS OTHERWISE DIRECTED ON THESE PLANS.



front elevation

scale 1/4"= 1'-0"

WIND DESIGN PRESSURES

These plans are designed per 2017 Florida Building Code 6th Edition.

This structure is designed to withstand winds not exceeding 130 mph (3 sec. gust).

Wind forces as per ASCE 7-10
1. Basic Wind Speed, 130 mph.
2. Wind Importance Factor (WIF) Residential 1.0 & Building Category (BC) II.
3. Building designed Enclosed
4. Wind Exposure B.
5. The applicable internal pressure coefficient .18 psf. GCPI.
6. Components & Cladding design wind pressures -32.30 psf.
Wind Pressures, (PSF) Positive Negative
Windows 30.00 -37.00
Doors 29.00 -35.00
(worst case used for all doors & windows)



right elevation

scale 1/4"= 1'-0"

NOTE: Written dimensions take precedence over scale.

NOTE: This log home plan is designed and/or engineered to be used only with materials produced by BK Cypress Log Homes.

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These plans will comply
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for a 130 mph (3 sec gust)
wind load.

John K. Gentry
1/19/21

scale: AS SHOWN
date: AUGUST 25, 2020
drawn by: SM/IT
model: River Bend
job no: 20823 KSJK

P.O. Box 191
Bronson, Florida 32621
Ph. (352)486-2470 (800) 553-1564

B K Cypress
Log Homes

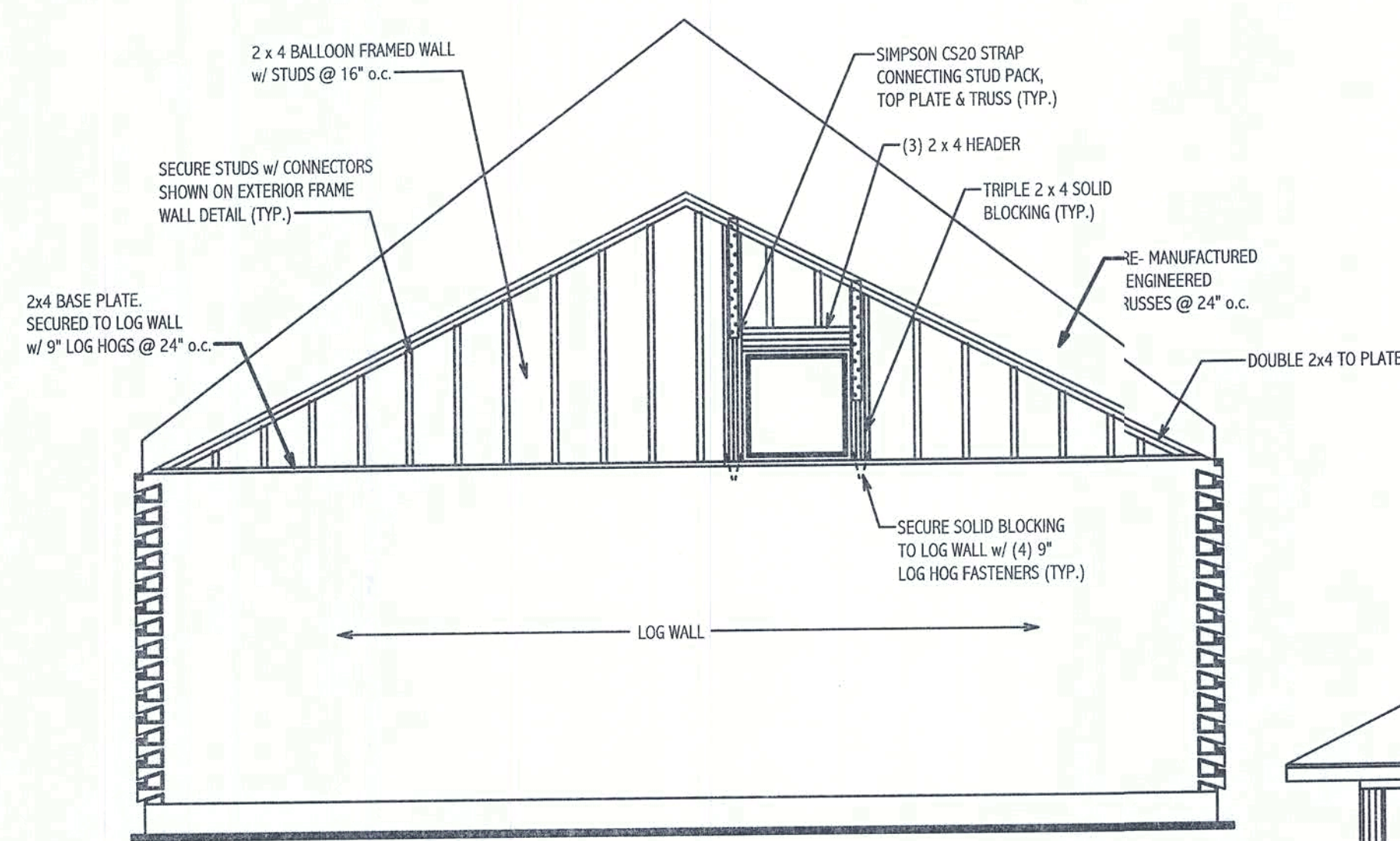
Huckleberrry Cabin for:
DON FROWICK

7722 STILL LAKES DRIVE, ODESSA, FL 33556

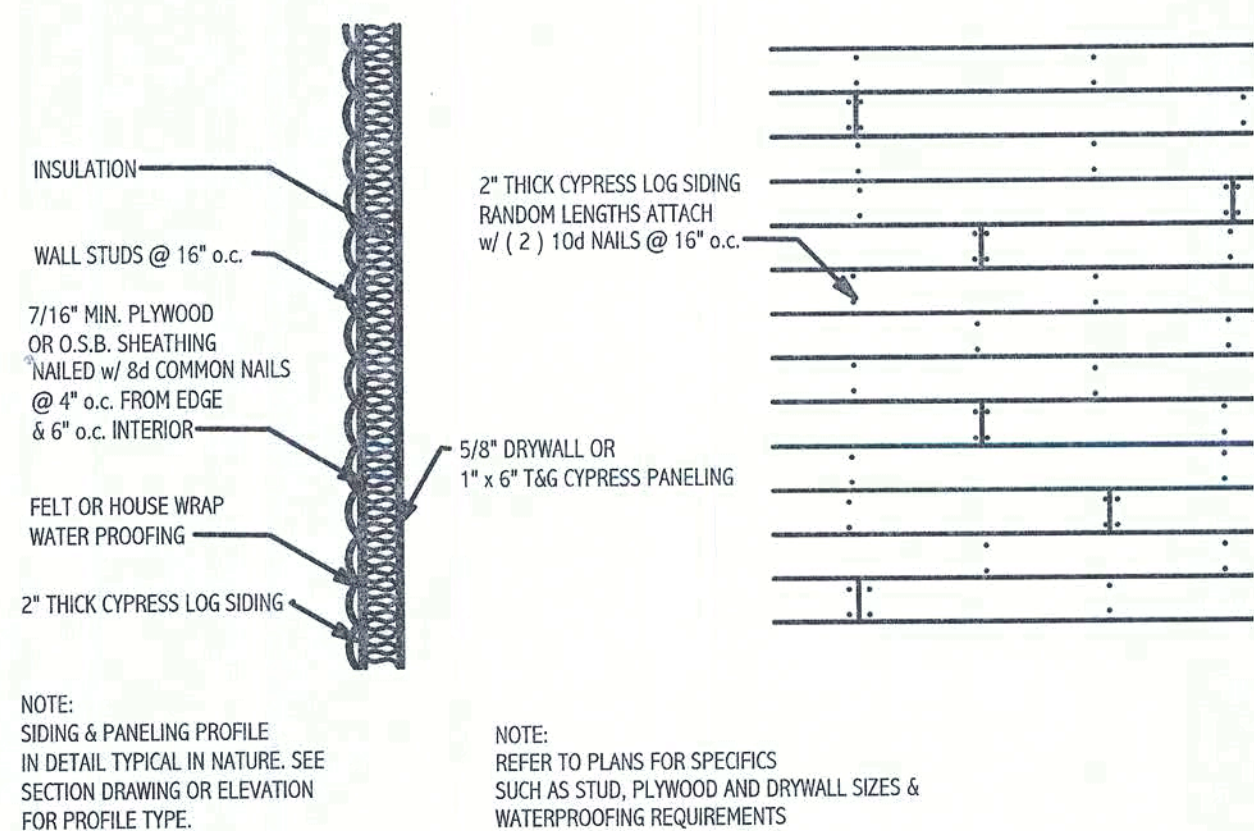
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FD #5 - OCTOBER 15, 2021
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FINAL - JANUARY 17, 2021

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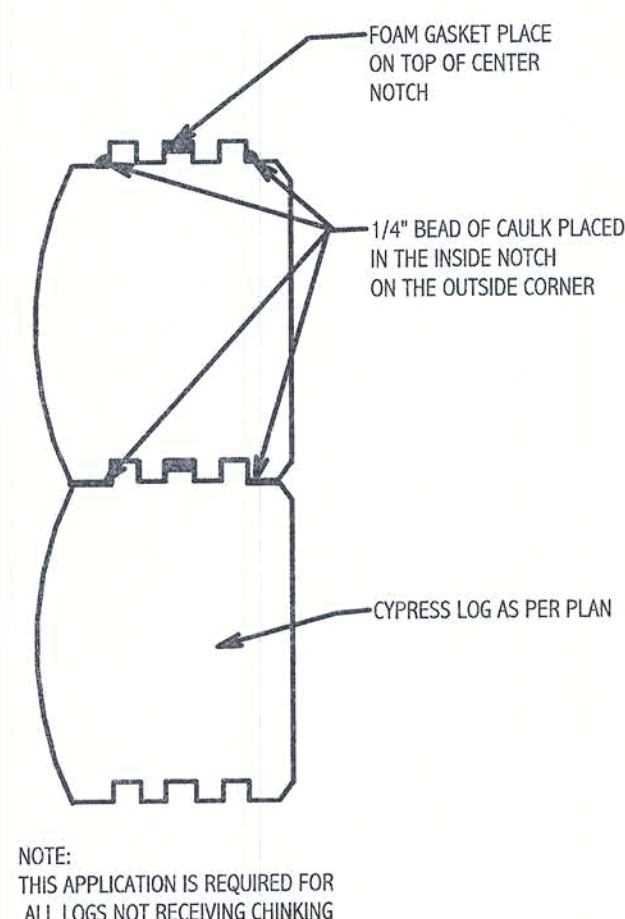
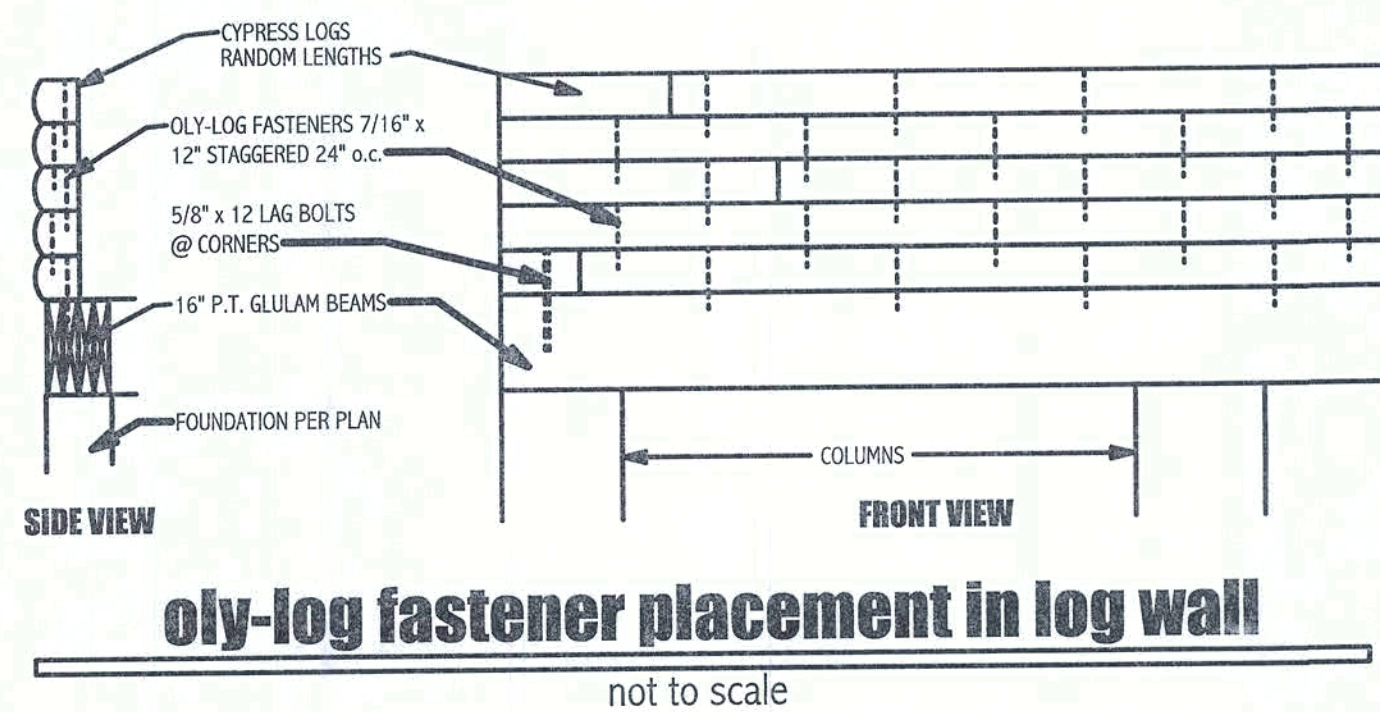
front & right elevations & notes



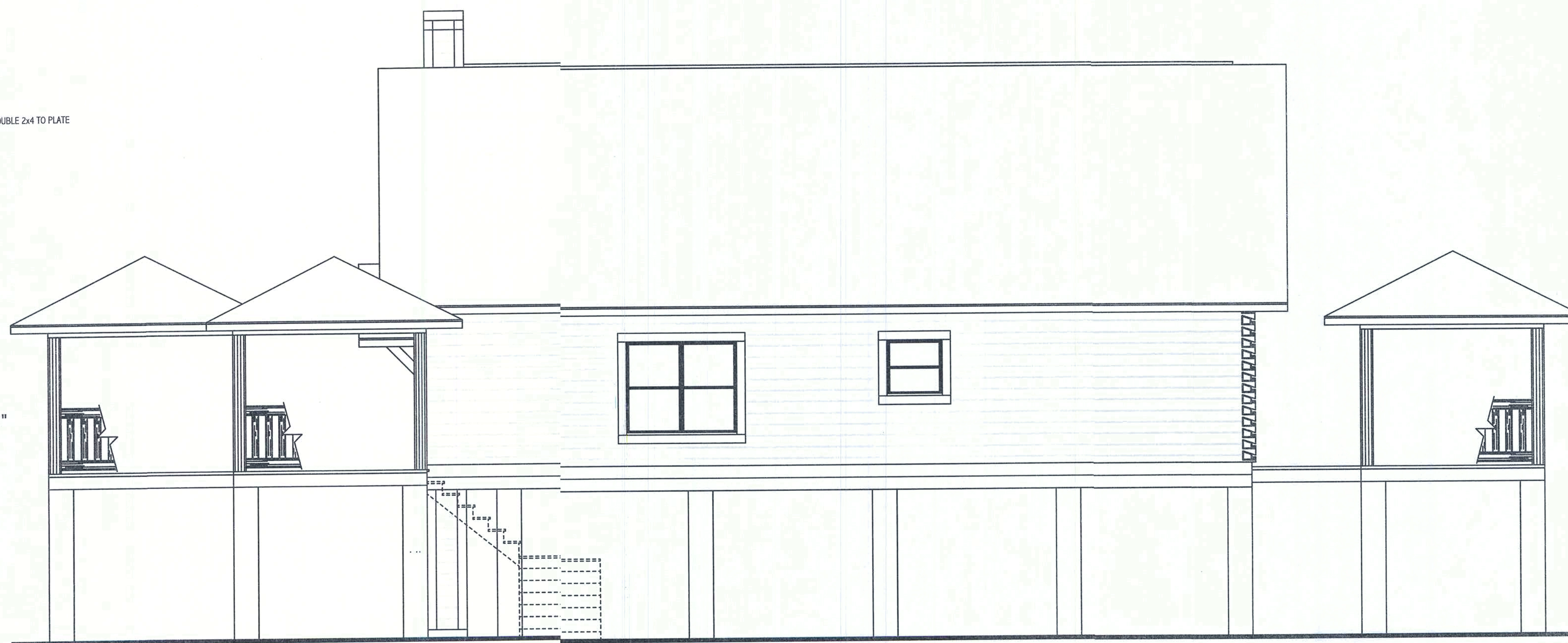
gable end reinforcement scale 3/16" = 1'-0"



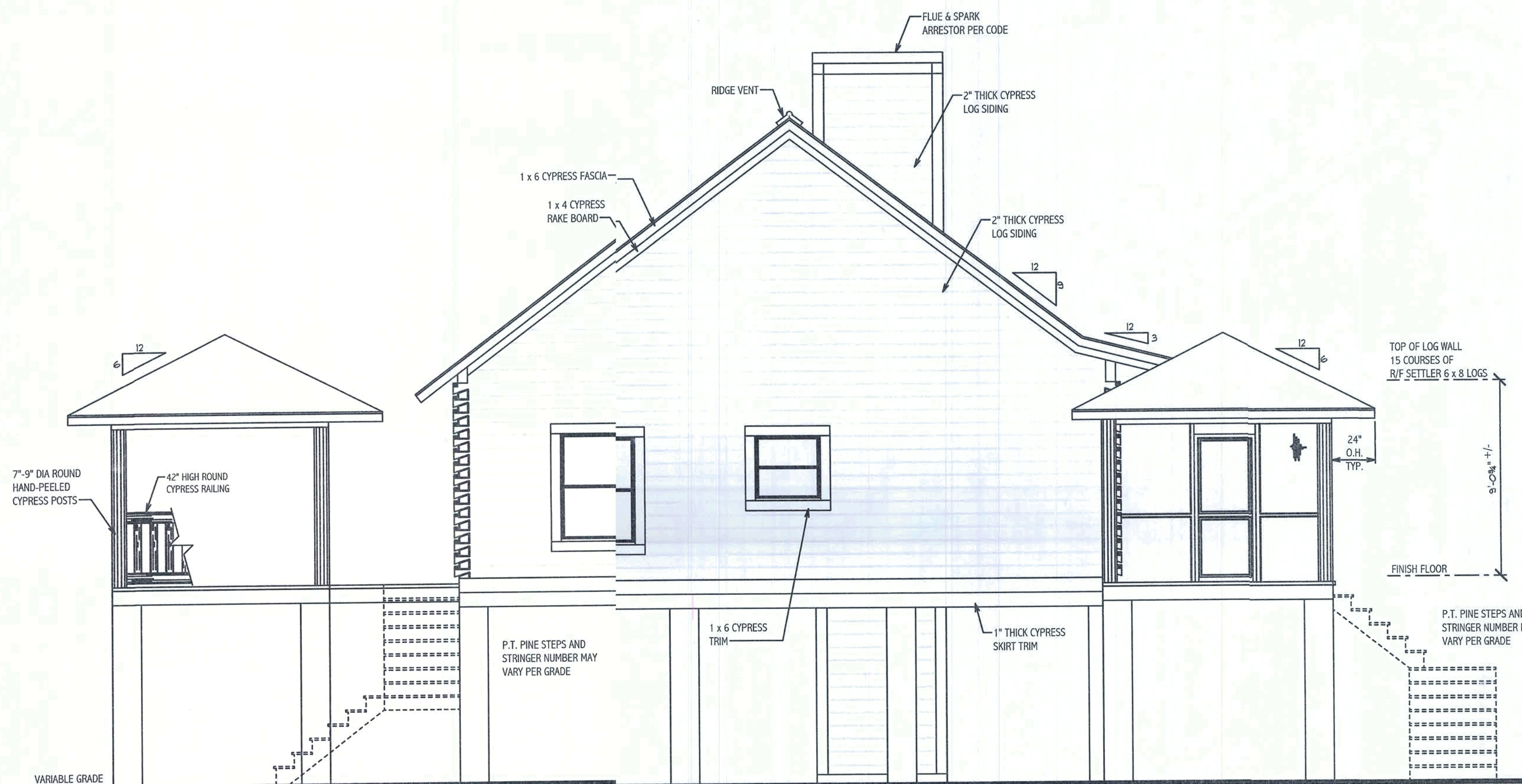
frame wall with 2" thick log siding detail not to scale



foam gasket & caulk placement det. not to scale



rear elevation scale 1/4" = 1'-0"



left elevation scale 1/4" = 1'-0"

NOTE: Written dimensions take precedence over scale.

NOTE: This log home plan is designed and/or engineered to be used only with materials produced by BK Cypress Log Homes.

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P.E. Number: 16990

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John K. Gentry
1/19/21

P.O. Box 191
Dunsmuir, CA 95924
Ph: (530) 486-2470 (800) 553-1564

scale: AS SHOWN
date: AUGUST 25, 2020
drawn by: SM/IT
model: River Bend
job no: 20823 KSJK

rear & left elevations & details

Huckleberry Cabin for:

DON FROWICK
7722 STILL LAKES DRIVE, ODESSA, FL 33556

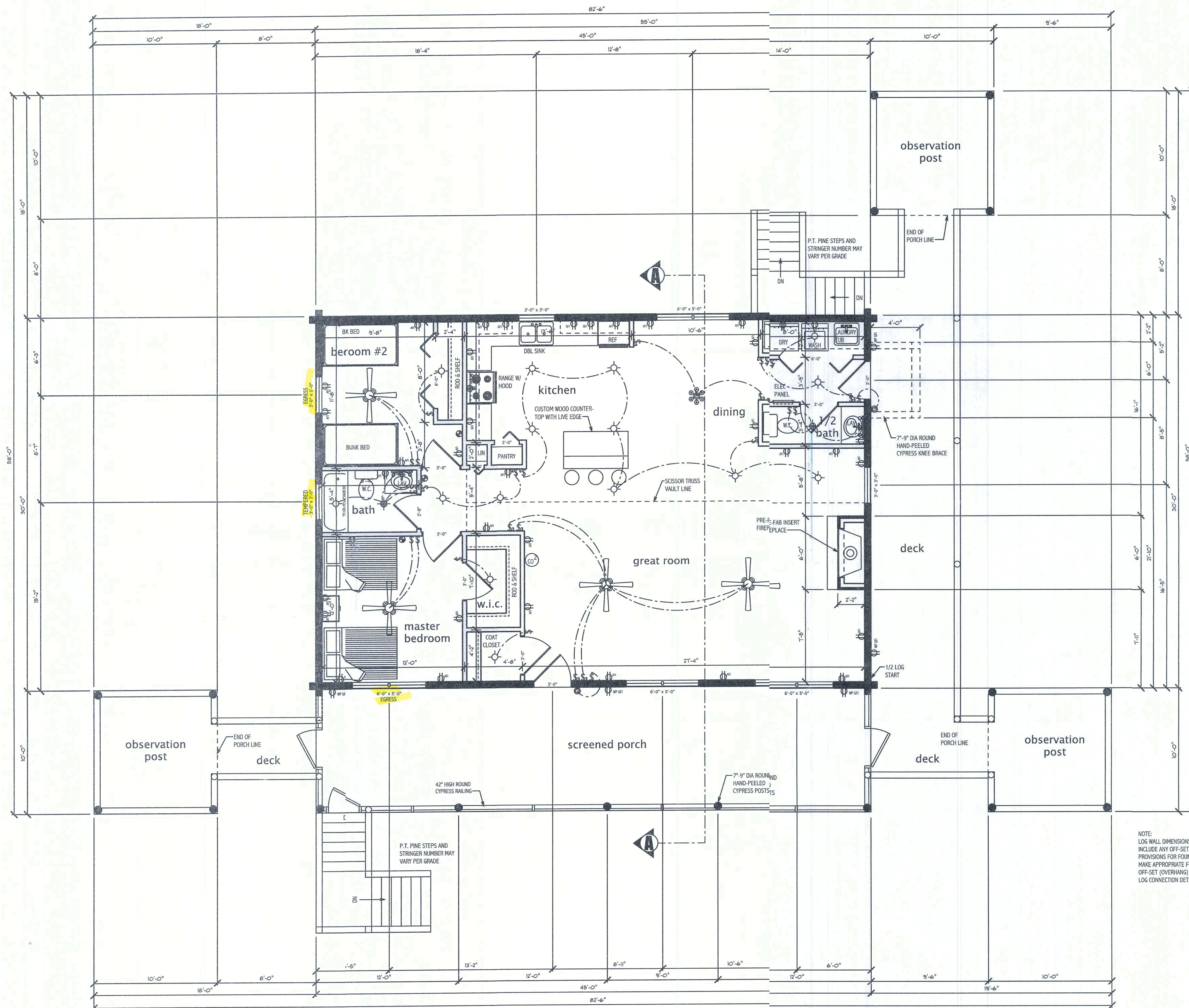
B K Cypress
Log Homes

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electrical legend			
	WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPTER		ELECTRICAL SERVICE PANEL
	ARC FAULT CIRCUIT INTERRUPTER		SPLIT RECEPTACLE
	GROUND FAULT CIRCUIT INTERRUPTER		LIGHT
	SWITCH, 3 WAY SWITCH		RANGE RECEPTACLE
	RECEPTACLE		DISHWASHER RECEPTACLE
	220 RECEPTACLE		DOUBLE SPOT LIGHT
	WALL MOUNTED LIGHT		TELEPHONE JACK
	RECESS LIGHT		TELEVISION JACK
	SMOKE DETECTOR		MOTION DECT. LIGHT
	TRACK AND/OR VANITY BAR		LAMP POST LIGHT
	FLUORESCENT LIGHT		CHANDELIER
	LIGHT & FAN COMB. (FAN TO BE VENTED TO THE OUTDOORS PER MFR'S SPECS.)		CEILING RECEPTACLE (GARAGE DOOR OPENER)
	EXHAUST FAN (FAN TO BE VENTED TO THE OUTDOORS PER MFR'S SPECS.)		FLOOR RECEPTACLE
	PULL SWITCH LIGHT		LIGHTED PADDLE CEILING FAN
	PADDLE CEILING FAN (OUTLET BOXES SHALL NOT BE USED AS THE SOLE SUPPORT FOR CEILING SUSPENDED PADDLE FANS)		LIGHTED PADDLE CEILING FAN (OUTLET BOXES SHALL NOT BE USED AS THE SOLE SUPPORT FOR CEILING SUSPENDED PADDLE FANS)
NOTE: ALL ELECTRIC WORK IS TO BE IN STRICT ACCORDANCE w/ LATEST REV. EDITION OF THE NATIONAL ELECTRIC CODE.			

Square Footage	
FIRST FLOOR.....	1350
PORCHES/DECKS.....	1142
TOTAL.....	2492

NOTE: LOG WALL DIMENSIONS DO NOT INCLUDE ANY OFF-SET (OVERHANG) PROVISIONS FOR FOUNDATION SKIRTING MATERIAL. MAKE APPROPRIATE FIELD CHANGES FOR ANY OFF-SET (OVERHANG) OF LOG WALLS. SEE SECTION 6 LOG CONNECTION DETAIL FOR ADDITIONAL INFORMATION.

NOTE: Written dimensions take precedence over scale.

NOTE: This log home plan is designed and/or engineered to be used only with materials produced by BK Cypress Log Homes.

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FINAL - JANUARY 17, 2021

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Huckleberry Cabin for:

DON FROWICK

7722 STILL LAKES DRIVE, ODESSA, FL 33556

P.O. Box 191

Bronson, Florida 32621

Ph. (352)486-2470 (800) 553-1564

scale: AS SHOWN

date: AUGUST 25, 2020

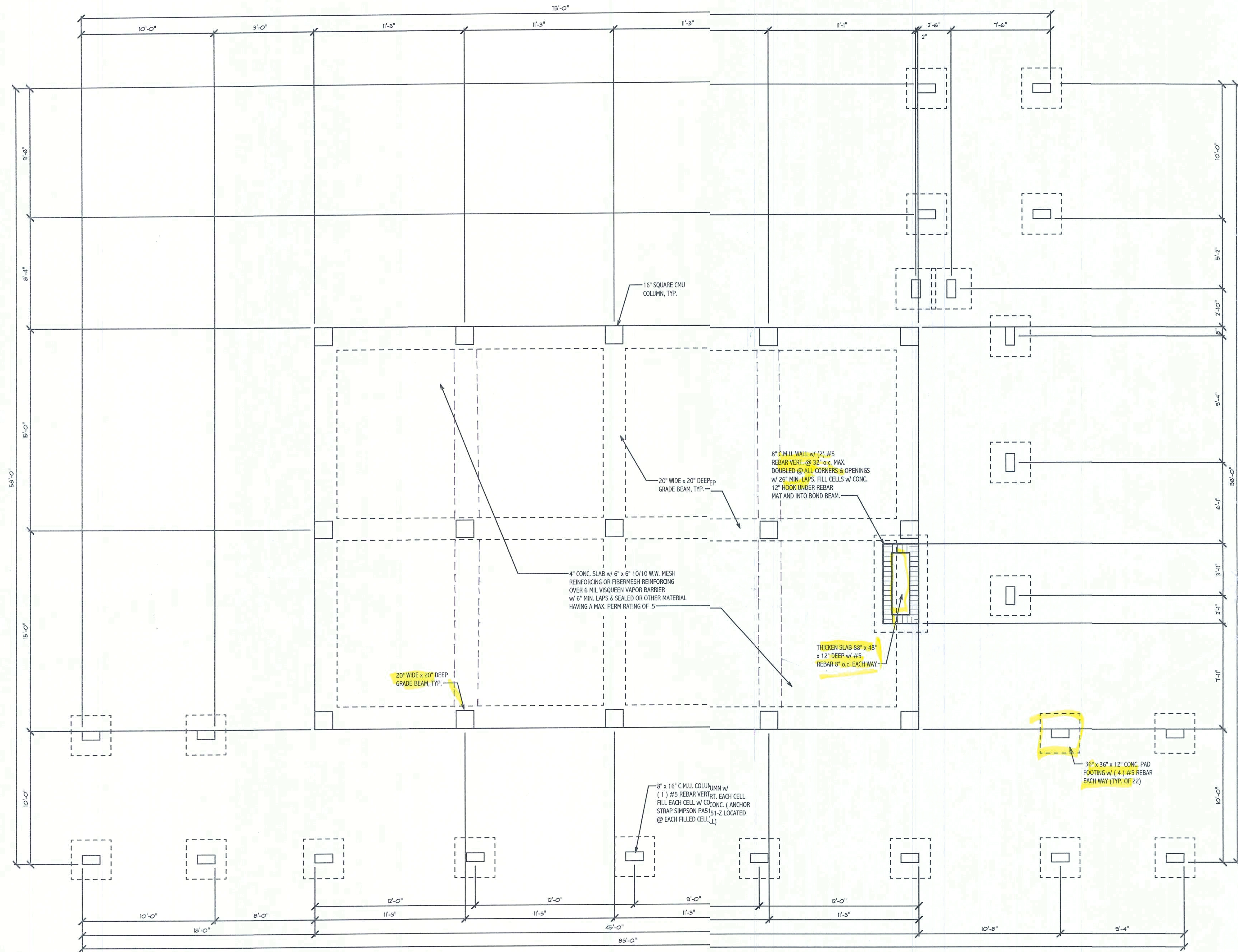
drawn by: JKH/TH

model: River Bend

job no: 20823 KSK

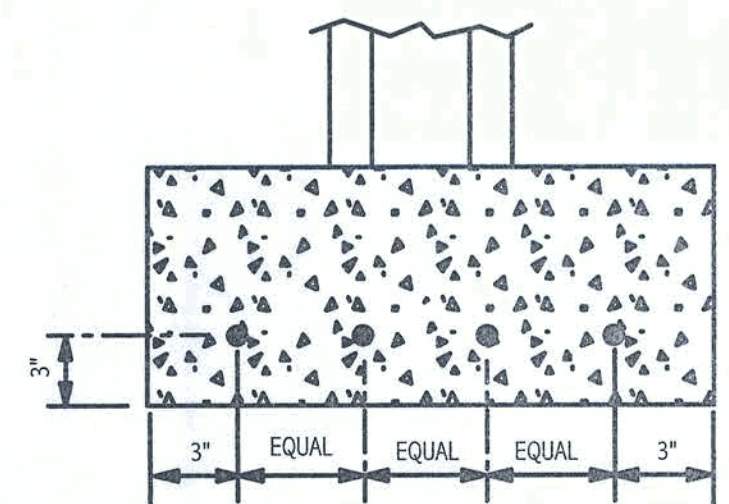
floor plan

scale 1/4"= 1'-0"



foundation plan

scale 1/4" = 1'-0"



typ. wall footing rebar location

NOTE:
Written dimensions take precedence over scale.

NOTE:
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1/17/21

scale: AS SHOWN
date: AUGUST 25, 2020
drawn by: SMITH
model: River Bend
job no: 20823 KSJK

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Ph. (352) 486-2470 (800) 553-1564

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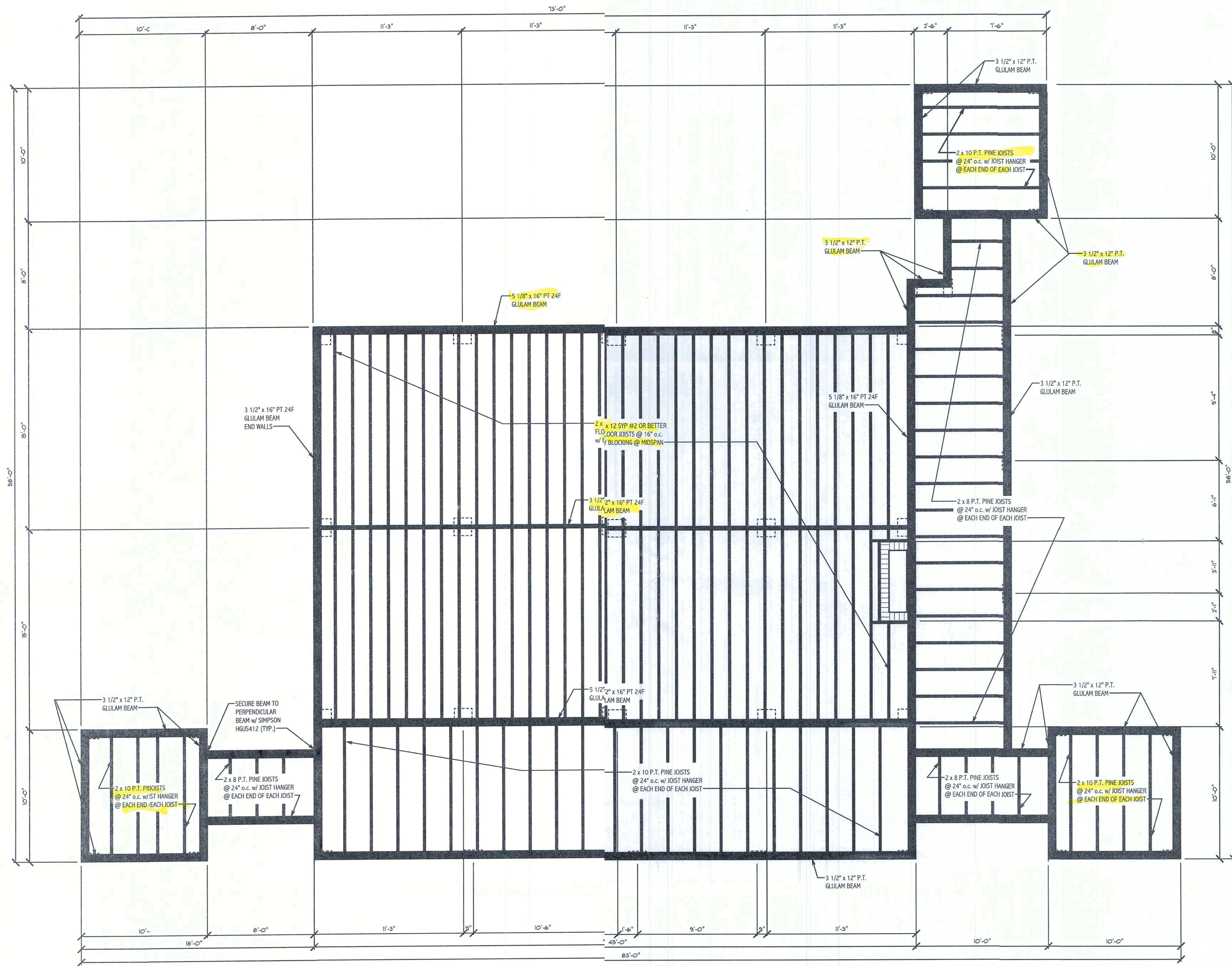
Huckleberry Cabin for:
DON FROWICK

7722 STILL LAKES DRIVE, ODESSA, FL 33556

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foundation plan & details



floor framing plan

scale 1/4" = 1'-0"

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11/19/21

scale: AS SHOWN
date: AUGUST 25, 2020
drawn by: SMITH
model: River Bend
job no: 20823 KSK

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Ph. (352) 486-2470 (800) 553-1564

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Log Homes

Huckleberry Cabin for:
DON FROWICK

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FINAL - JANUARY 17, 2021

floor framing plan

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round faux beam connection details

truss gable end bracing & construction detail

48'-0"

50'-0"

9-11" DIA. CYPRESS FAUX BEAMS (NON-STRUCTURAL) SECURE w/ 13" OLY-LOG SCREWS @ 32" o.c. ROOF SYSTEM MUST BE ABLE TO SUPPORT THE CYPRESS FAUX BEAMS @ 30 lbs. PER LINEAR FOOT. PLACE FAUX BEAMS IN AN AESTHETICALLY PLEASING MANNER (OPEN AREAS ONLY)

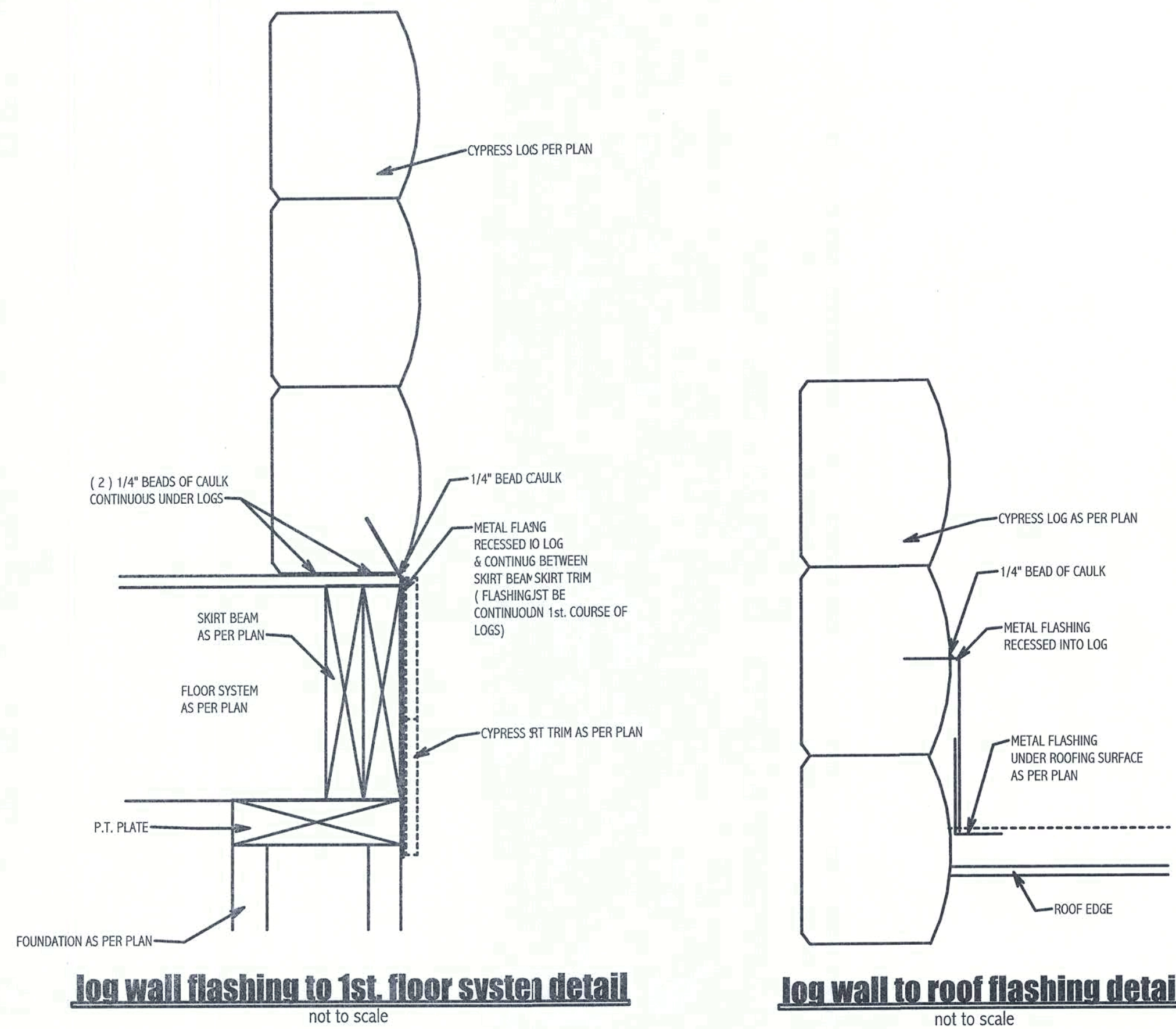
9-11" DIA. ROUND CYPRESS HAND-PEELED FAUX RIDGE BEAM

48'-0"

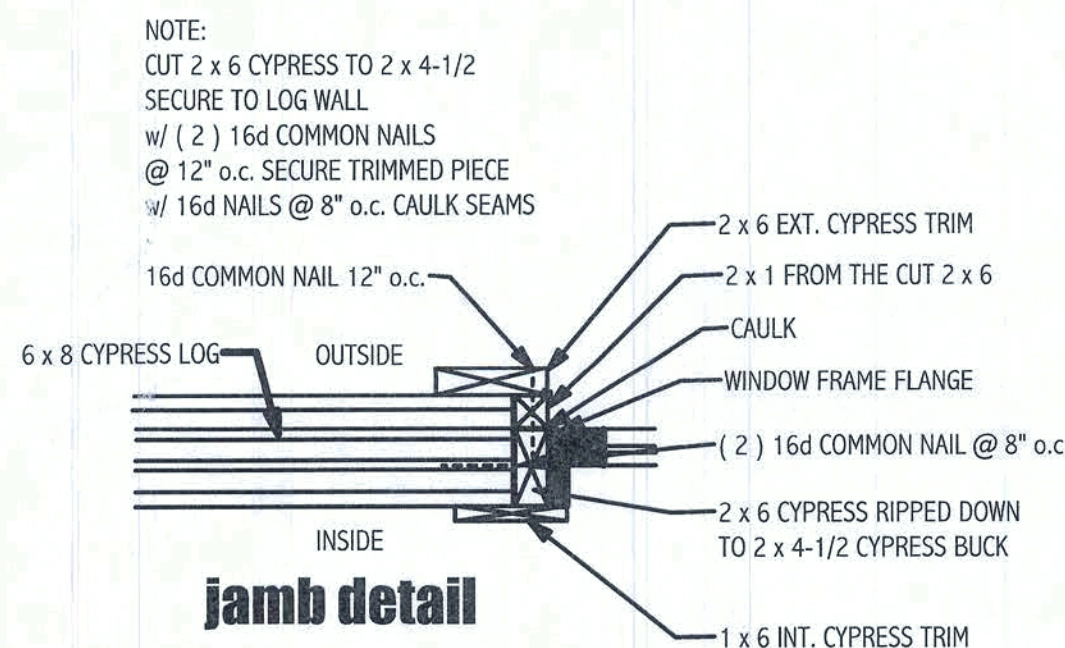
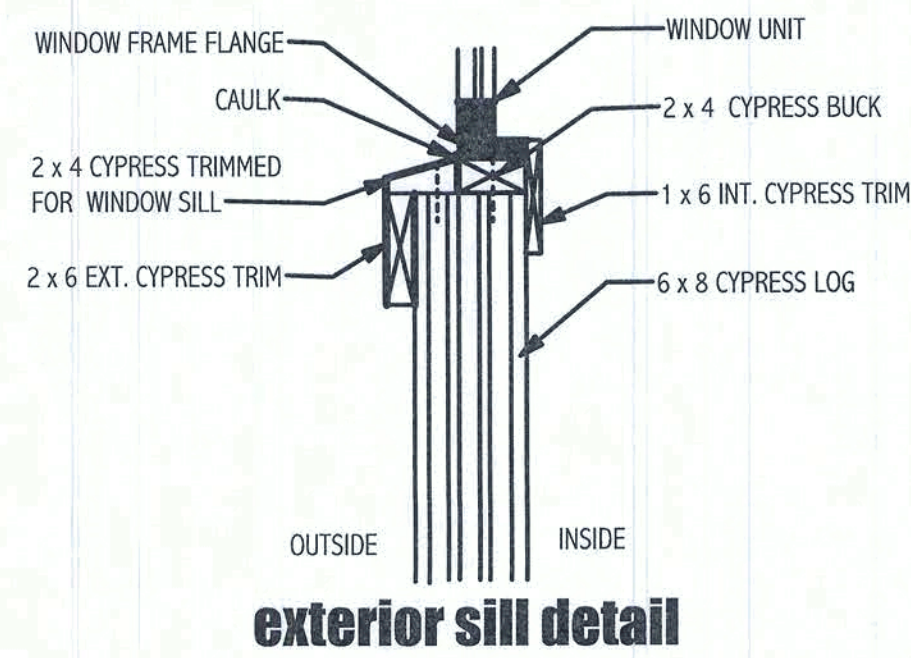
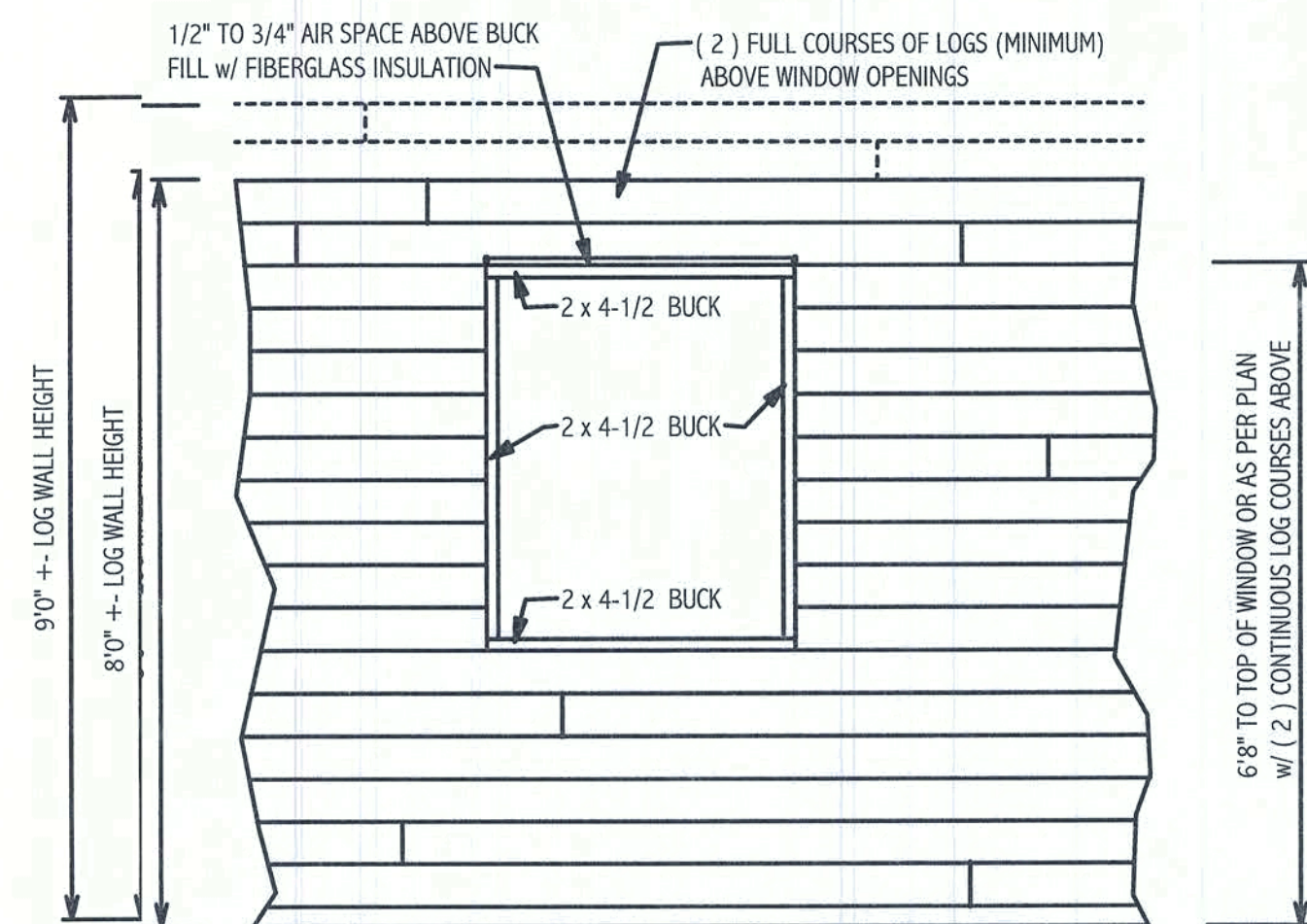
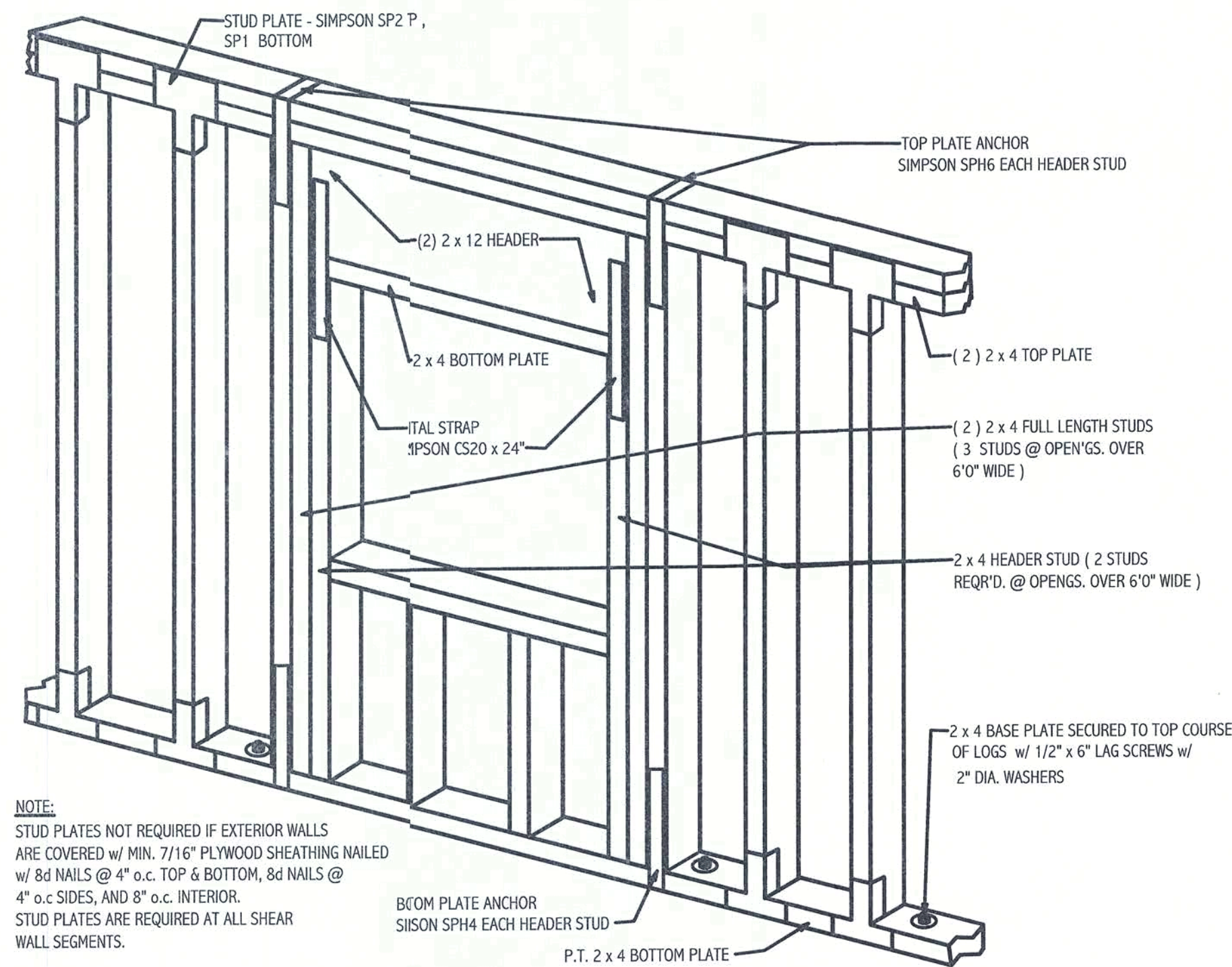
50'-0"

porch rafter to frame wall connection detail

scale: AS SHOWN
date: AUGUST 25, 2020
drawn by: SMITH
model: River Bend
job no: 20823 KSjk

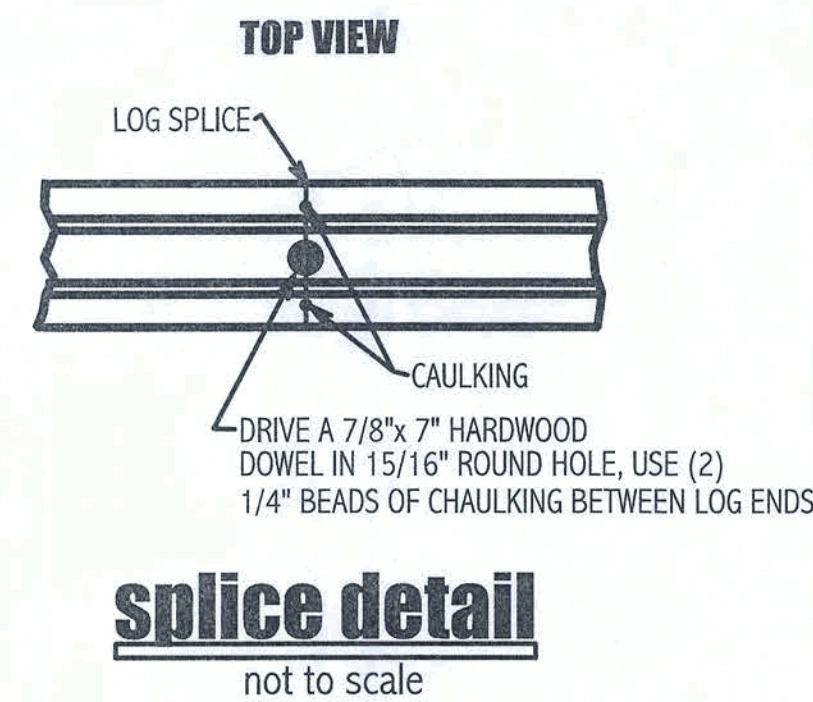
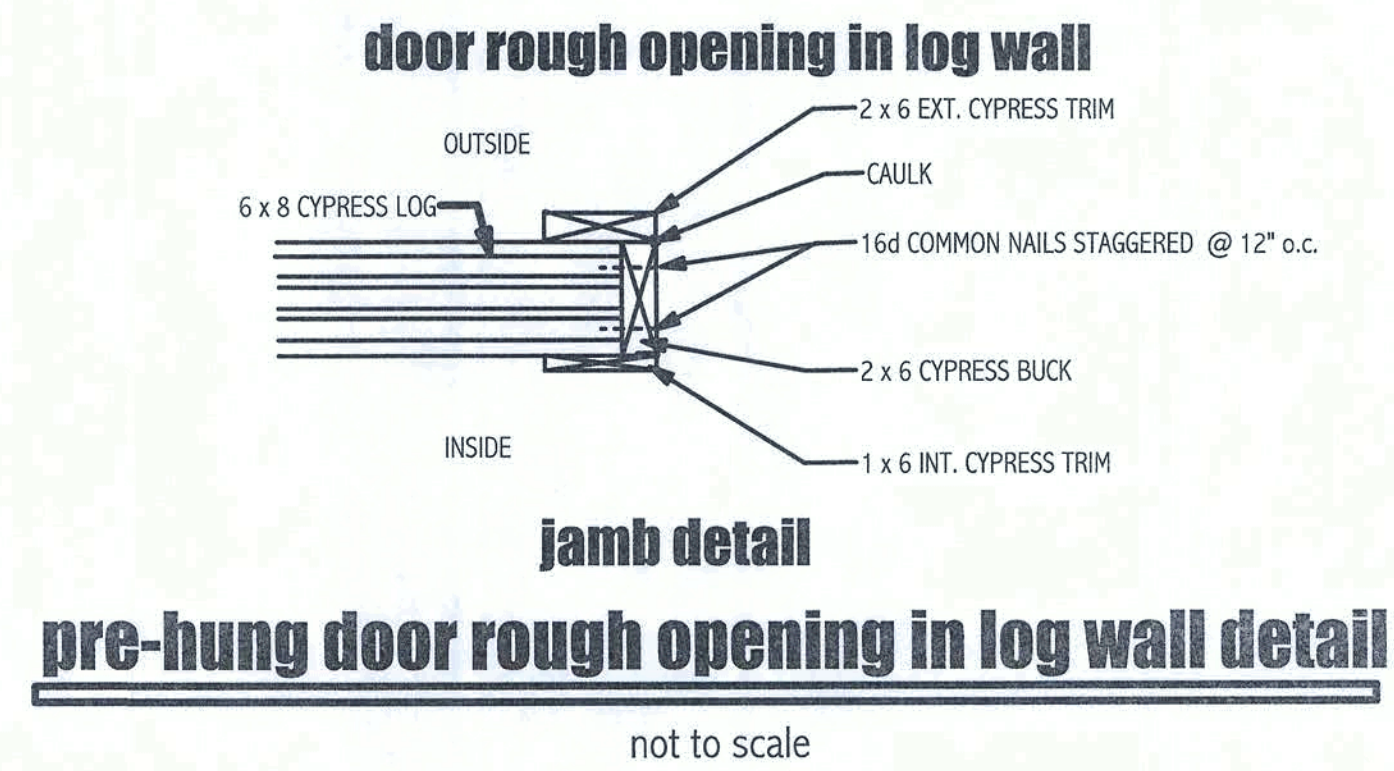
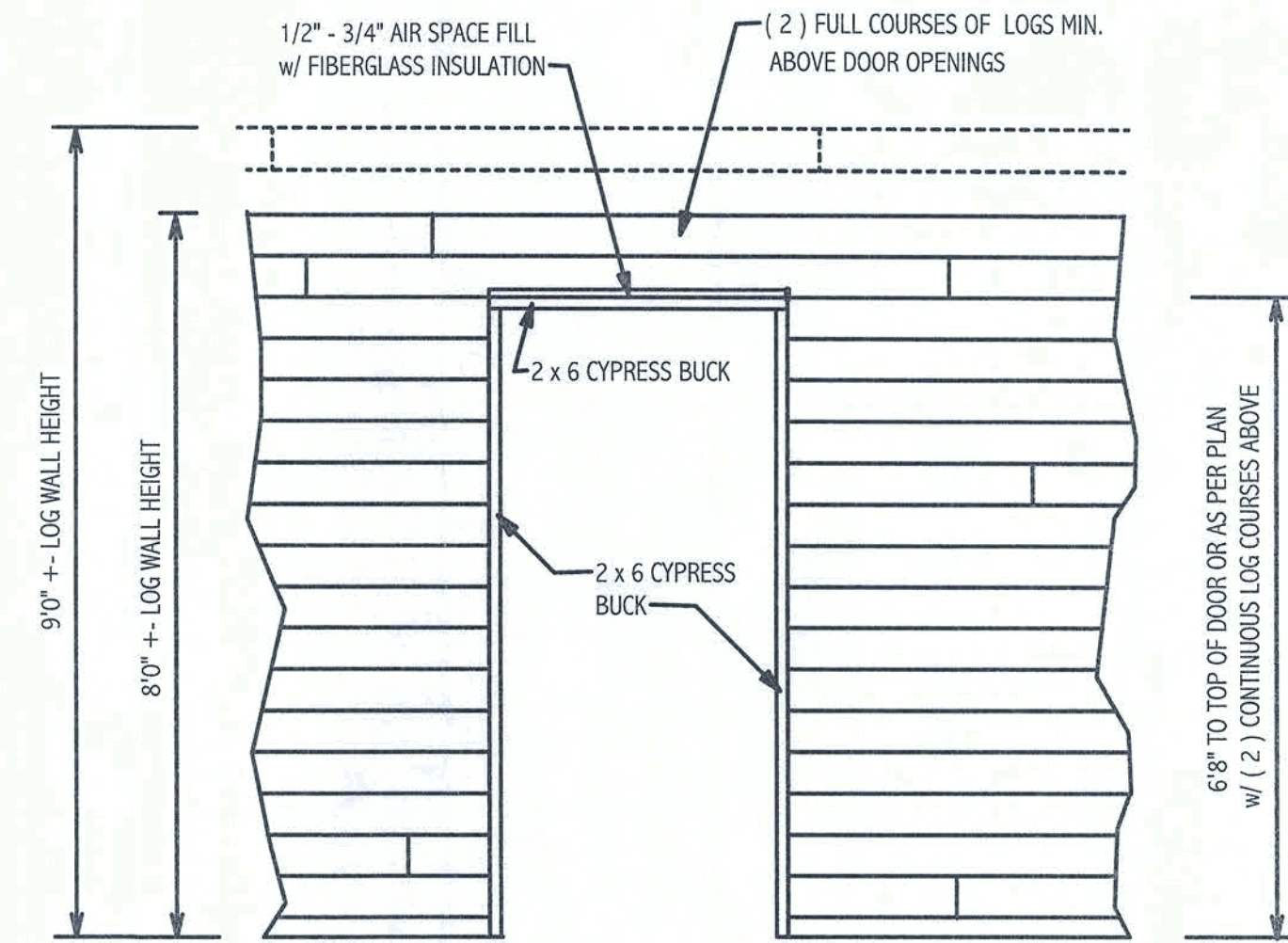
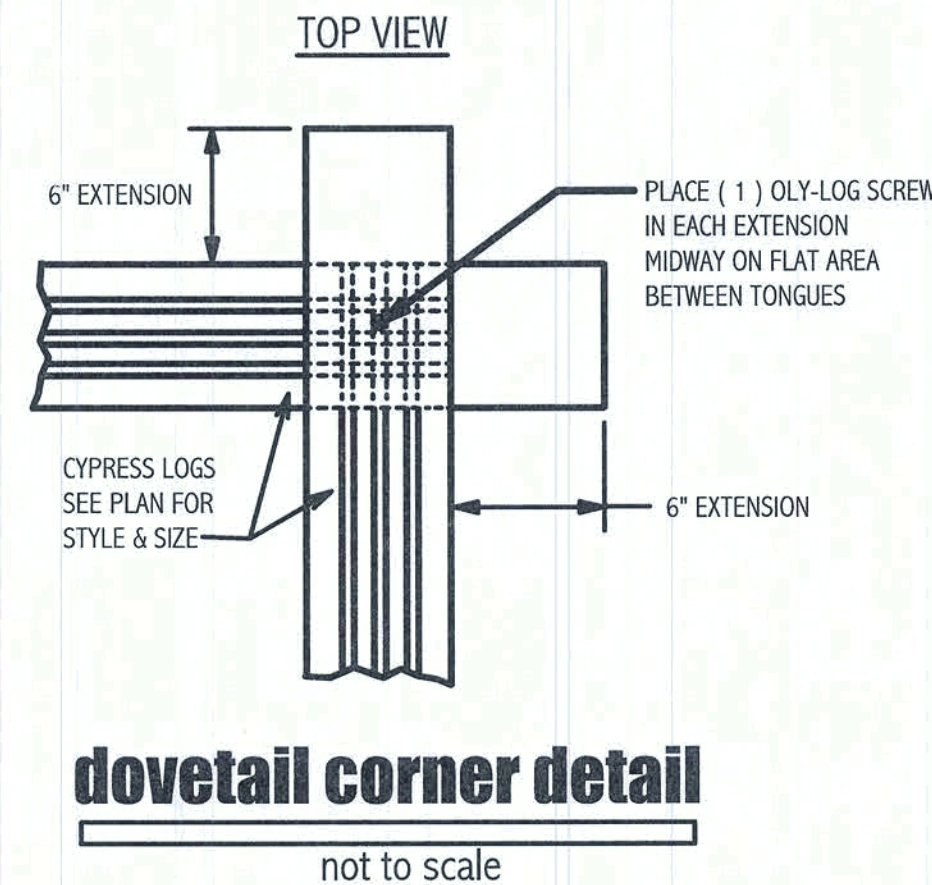


log flashing details



window rough opening detail

not to scale



NOTE:
Written dimensions take precedence over scale.

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P.E. Number: 16990

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11/9/21

details

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FINAL - JANUARY 17, 2021

Huckleberry Cabin for:
DON FROWICK
7722 STILL LAKES DRIVE, ODESSA, FL 33556

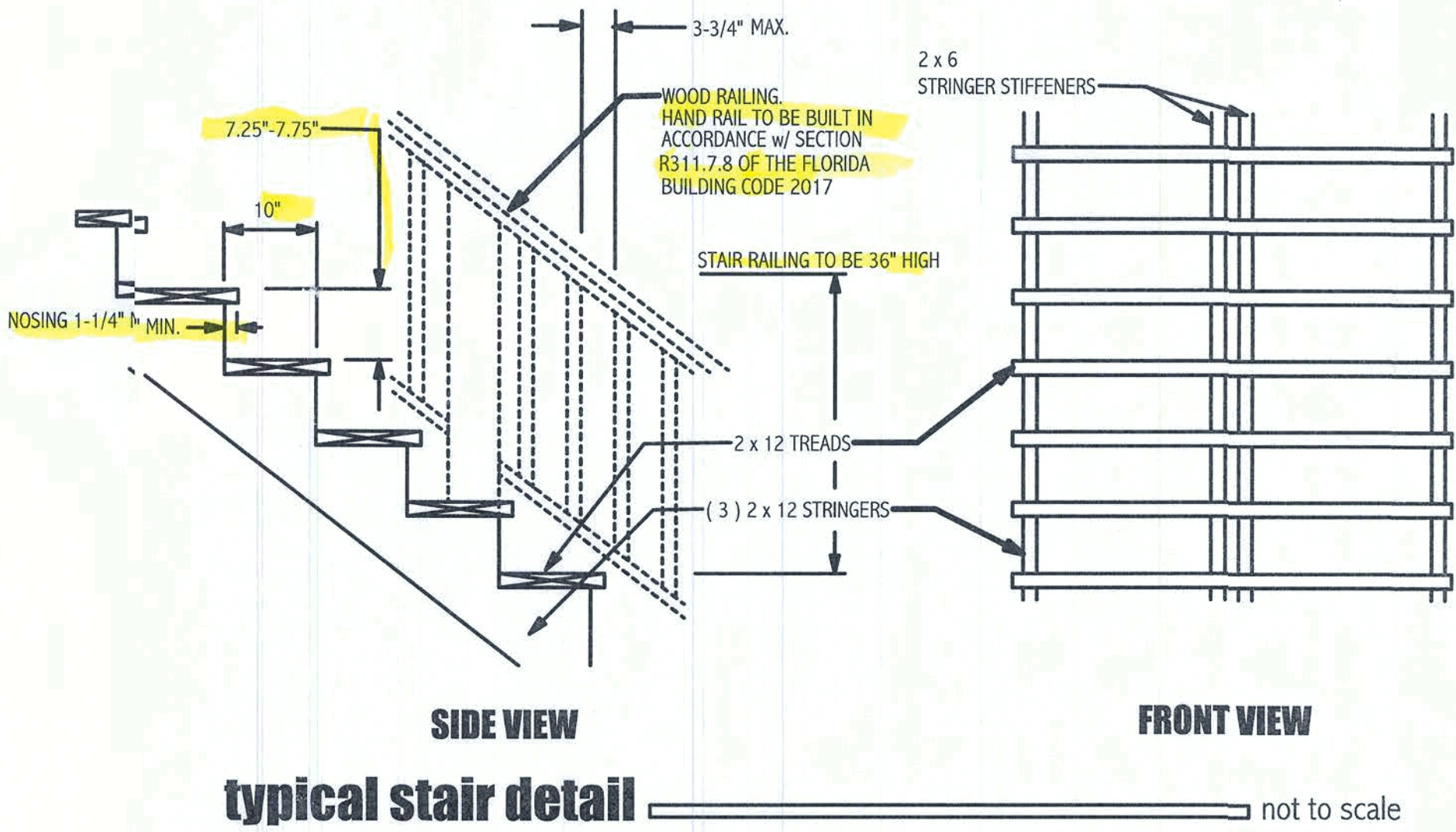
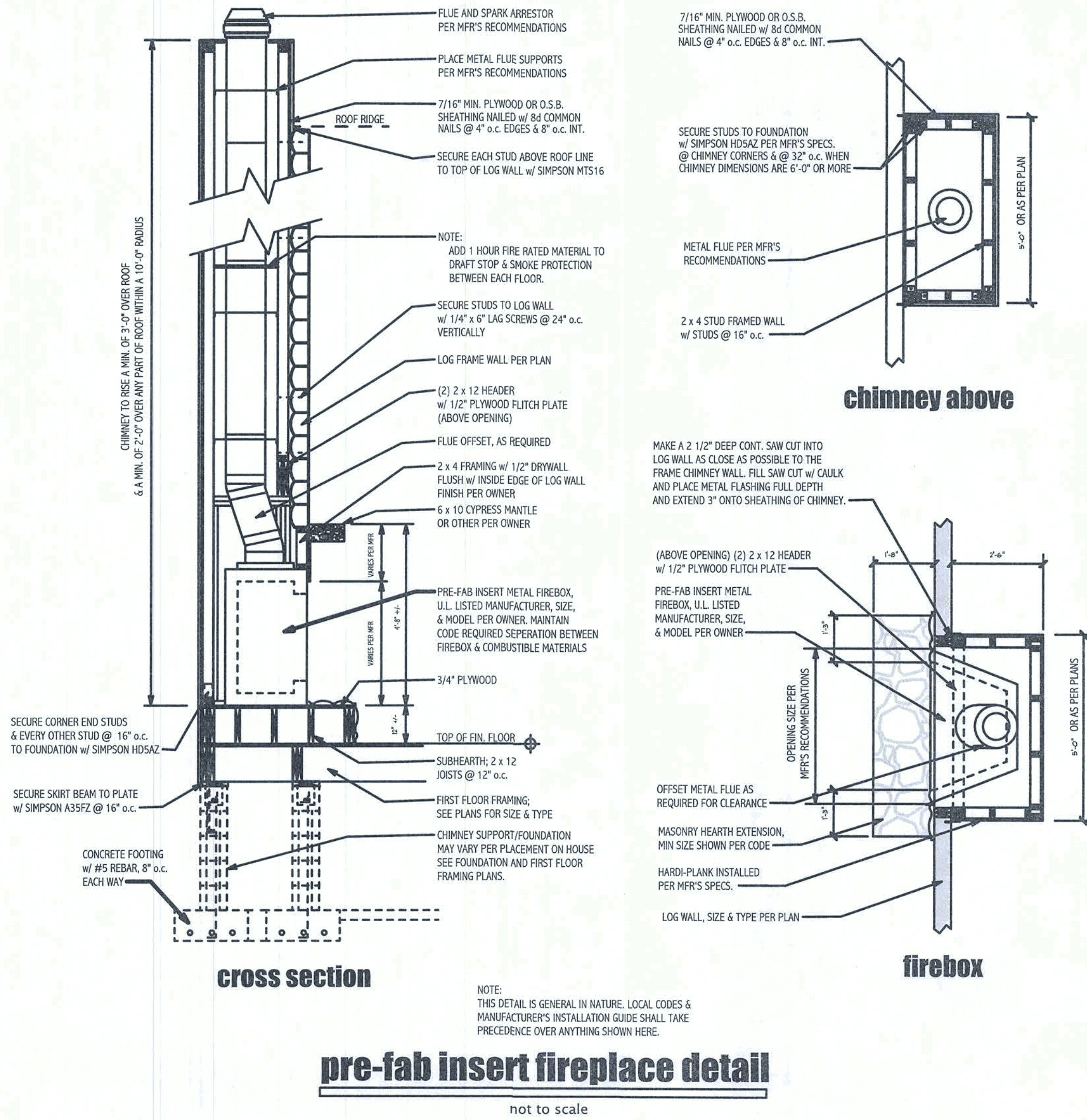
B K Cypress
Log Homes

Log Homes

scale: AS SHOWN
date: AUGUST 25, 2020
drawn by: SMITH
model: River Bend
job no: 20823 KSK

location: BOX 191
Bronson, Florida 32621
ph: (352) 486-2470 (800) 553-1564

opening schedule			
PRODUCT CODE	SIZE	COUNT	LIBRARY NAME
6x80	3'-0" x 6'-8"	2	Door, Exterior
868	2'-8" x 6'-8"	1	Door, Interior
068	3'-0" x 6'-8"	5	Door, Interior
268 BF	1'-2" x 6'-8"	1	Door, Interior, Bifold
068 BF	2'-0" x 6'-8"	1	Door, Interior, Bifold
068 BF-2	6'-0" x 6'-8"	2	Door, Interior, Bifold
6x36 CASEMENT	3'-0" x 3'-0"	1	Window, Casement
6x36 DOUBLE HUNG	3'-0" x 3'-0"	2	Window, Dbl Hung
6x36 DOUBLE HUNG TEMPERED	3'-0" x 3'-0"	1	Window, Dbl Hung
6x60 DOUBLE HUNG	3'-0" x 5'-0"	1	Window, Dbl Hung
2x60 DOUBLE HUNG-2	6'-0" x 5'-0"	4	Window, Dbl Hung
BUILDER TO VERIFY ALL WINDOWS & ROUGH OPENING SIZES			



NOTE: Written dimensions take precedence over scale.

NOTE: This log home plan is designed and/or engineered to be used only with materials produced by BK Cypress Log Homes.

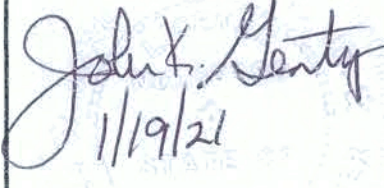
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P.E. Number: 16990

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for a 130 mph (3 sec gust)
wind load.


11/19/21

opening schedule & details

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PD #4 - OCTOBER 11, 2020

PD #5 - OCTOBER 15, 2020

PD #6 - JANUARY 1, 2021

FINAL - JANUARY 17, 2021

Huckleberry Cabin for:
DON FROWICK

7722 STILL LAKES DRIVE, ODESSA, FL 33556

B K Cypress
Log Homes

P.O. Box 191
Bronson, Florida 32621
Ph. (352)486-2470 (800) 553-1564

Scale: AS SHOWN

Date: AUGUST 24, 2021

Drawn by: SMITH

Model: River Bend

Job no: 20823 KSJK

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Scale $1/2"=1'-0"$

ICC EVALUATION SERVICE, INC.
BUSINESS/REGIONAL OFFICE, 5360 WORKMAN MILL ROAD, WHITTIER, CA. 562/699-0543
REISSUED JANUARY 2016

DIVISION: 06 00 00 - WOOD, PLASTIC, AND COMPOSITE FASTENINGS
SECTION: 06 05 23 - WOOD, PLASTIC, AND COMPOSITE FASTENINGS

REPORT HOLDER:

OMG, INC.
153 BOWLES ROAD
AGAWAM, MASSACHUSETTS 01001
(413) 789-0252

ADDITIONAL LISTEE:

MITEX INDUSTRIES, INC.
14515 NORTH OUTER FORTY, SUITE 300
CHESTERFIELD, MISSOURI 63017
(314) 434-1200

EVALUATION SUBJECT:

FASTENMASTER LOK SERIES STRUCTURAL WOOD SCREWS

1.0 EVALUATION SCOPE

COMPLIANCE WITH THE FOLLOWING CODES:
- 2015, 2012, 2009 AND 2006 INTERNATIONAL BUILDING CODE (IBC)
- 2015, 2012, 2009 AND 2006 INTERNATIONAL RESIDENTIAL CODE (IRC)

PROPERTIES EVALUATED:

STRUCTURAL CORROSION RESISTANCE

2.0 USES

The FastenMaster LOK Series fasteners described in this report are alternate dowel-type threaded fasteners used for wood-to-wood connections.

The FastenMaster LOK Series fasteners described in Sections 3.1.1 through 3.1.4 may be used where fasteners are required to exhibit corrosion resistance when exposed to adverse environmental conditions and/or in preservative-treated wood (subject to the limitations of Section 5.2), and are alternatives to hot-dip-zinc galvanized fasteners with a coating weight in compliance with ASTM A153, Class D. The fasteners have been evaluated for use with wood chemically treated with waterborne alkaline copper quaternary, type D (ACQ-D).

3.0 DESCRIPTION

3.1 General:

The LOK Series fasteners described in this report are manufactured using a standard cold-forming process and are heat-treated. These fasteners depart from ANSI B18.2.1 and B18.6, 1 in thread design, exceed the bending yield strengths documented in Table 5 of American Forest & Paper Association (AF&PA) Technical Report 12, and are not installed with lead holes in accordance with the ANSI/NWCA National Design Specification (NDS) for Wood Construction. The LOK Series fasteners recognized in this report are described in Sections 3.1.1 through 3.1.5. Product names for fasteners sold by MITEX Industries are shown in Table 7.

3.1.1 OlyLog and TimberLOK Fasteners: The OlyLog and TimberLOK fasteners have a 5/16-inch (7.9 mm) hexad, rolled threads and a gasket point. They have a proprietary corrosion-resistant coating with a lubricious clear top coat. See Table 1A for fastener dimensions and a diagram.

3.1.2 HeadLOK Fasteners: The HeadLOK fasteners are a proprietary #3 Spider-drive head, rolled threads and no gasket point. They have a proprietary corrosion-resistant coating.

3.1.3 LedgerLOK and Loglog Fasteners: The LedgerLOK and Loglog fasteners have a 5/16-inch (7.9 mm) hexad with integral washer, rolled threads and a gasket point. TI LedgerLOK fasteners have a proprietary corrosion-resistant coating with a lubricious clear top coat. The Loglog fasteners have a proprietary corrosion-resistant coating. See Table 1B for fastener dimensions and a diagram.

3.1.4 TrussLOK and TrussLOK-Z Fasteners: The TrussLOK and TrussLOK-Z fasteners have a 3/8-inch (9.5 mm) hexad, rolled threads and proprietary cutting points. They have a proprietary corrosion-resistant coating with a lubricious clear top coat.

3.1.5 ThruLOK Fasteners: The ThruLOK fasteners are a 5/16-inch (7.9 mm) hex-head, rolled threads and a proprietary cutting point. The fasteners are coated with mechanically applied zinc in accordance with ASTM B695, Type 1, ss 55. They are supplied with the ThruLOK washer and nut.

3.2 Materials:

3.2.1 Fasteners: The fasteners are made of carbon steel grade 1022 or 1082 wire, conforming to the respective material specifications, and have a proprietary finish/minimizing bending yield strengths of the fasteners are listed in Tables 1A & 1B of this report.

3.2.2 Wood Members: Wood members must be sawn lumber having a minimum assigned specific gravity as indicated in Tables 2, 3 and 4. Assigned specific gravity for solid-sawn (S) must be determined in accordance with Table 12.3.3A of the NDS (Table 11.3.3A of NDS-12 for the 2012 IRC, Table 11.2.3.3A of NDS-05 for the 2009 and 2006 IRC).

4.0 DESIGN AND INSTALLATION

4.1 Design

Reference withdrawal design values are given in Table 2 of this report. Reference head pull-through design values are given in Table 3 of this report. Reference lateral design values for wood-to-wood connections loaded parallel and perpendicular to the grain, are given in Table 4.

The reference design values given in Tables 2 through 4 must be multiplied by all adjustment factors applicable to wood-to-wood connections in accordance with the NDS, including the wet service factor, CM, where applicable. Reference head pull-through design values must be adjusted using the NDS adjustment factors applicable to withdrawal for wood screws.

The allowable load for a single-screw connection in which the screw is subject to tension must be taken as the least of: (a) the reference withdrawal design value given in Table 2, adjusted by all applicable adjustment factors; (b) the reference head pull-through design value given in Table 3, adjusted by all applicable adjustment factors; and (c) the allowable screw shear strength given in Tables 1A through 1F.

The allowable lateral load for a single-screw connection must be taken as the lesser of: (a) the reference lateral design value given in Table 4, adjusted by all applicable adjustment factors; and (b) the allowable screw shear strength given in Tables 1A through 1F.

When designing a connection, the structural members must be checked for load-carrying capacity in accordance with Section 11.2.3 of NDS-15 (Section 10.1.2 of NDS-12 and NDS-05 for the 2012, 2009 and 2006 IRC), and local stresses within multiple-fastener connections must be checked against Appendix E of the NDS to ensure the capacity of the connection and fastener group. Connections containing multiple screws must also be designed in accordance with Sections 11.2.2 and 12.6 of NDS-15 (Sections 10.2.2 and 11.6 of NDS-12 and NDS-05 for the 2012, 2009 and 2006 IRC).

Where the screws are subjected to combined lateral and withdrawal loads, connections shall be designed in accordance with Section 12.4.1 of the NDS-15 (Section 11.4.1 of NDS-12 and NDS-05 for the 2012, 2009 and 2006 IRC).

3.3 Conditions of Use

3.4 Identification

3.5 Identification

3.6 Identification

3.7 Identification

3.8 Identification

3.9 Identification

3.10 Identification

3.11 Identification

3.12 Identification

3.13 Identification

3.14 Identification

3.15 Identification

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3.62 Identification

3.63 Identification

3.64 Identification

3.65 Identification

The FastenMaster LOK Series fasteners described in Sections 3.1.1 through 3.1.4 are recognized for use in wood chemically treated with waterborne alkaline copper quaternary, type D (ACQ-D), with a maximum retention of 0.40 pcf (6.4 kg/m³). These fasteners must be limited to use in typical applications and limitations defined in Table 6.

4.2 Installation:

The fasteners must be installed with a 1/2-inch (12.7 mm) low RPM/high torque electric drill (450 rpm) using the driver bit included in each box. Lead holes are not required. Fasteners must be installed at the minimum end and edge distances listed in Table 5 of this report.

The ThruLOK fastener must be installed with the ThruLOK washer and nut (supplied with the fastener). The ThruLOK fastener must penetrate through the opposite face of the main member a sufficient distance to allow the nut to be tightened snugly against the main member, with at least 1/2 inch (12.7 mm) of the threaded portion of the shank engaging the internal threads of the nut.

5.0 CONDITIONS OF USE

5.1 Design and installation of connections with FastenMaster LOK Series fasteners must comply with this report, the manufacturer's published instructions and the applicable code. In the event of a conflict between the manufacturer's published instructions and this report, the more restrictive governs.

5.2 Use of the fasteners in locations exposed to saltwater or saltwater spray is outside the scope of this evaluation report.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Alternate Dowel-type Threaded Fasteners (AC233), dated April 2015.

6.2 Data in accordance with the ICC-ES Acceptance Criteria for Corrosion-resistant Fasteners and Evaluation of Corrosion Effects of Wood Treatment Chemicals (AC237), dated October 2009 (editorially revised May 2015).

7.0 IDENTIFICATION

Fasteners are identified by the company name (OMG or MITEX), one of the product names shown in Table 7, the fastener size and the evaluation report number (ESR-1078). Head markings on the fasteners indicate fastener length and are applied as noted in Tables 1A through 1F.

TABLE 1A-FASTENER SPECIFICATIONS: OLYLOG AND TIMBERLOK FASTENERS

OLYLOG/ TIMBERLOK FASTENER DESIGNATION	HEAD MARKING	OVERALL LENGTH ¹ (inches)	LENGTH OF THREAD ² (inches)	UNTHREADED SHANK DIAMETER (inch)	MINOR THREAD (ROOT) DIAMETER (inch)	BENDING YIELD ³ (F yb, psi)	ALLOWABLE FASTENER STRENGTH ⁴ Tensile (lb) Shear ⁵ (lb)
TL0212 or TL0212	F2.5	2 1/2	1 1/4			167,300	
TL0204 or TL0204	F4.0	4	2				
TL0206 or TL0206	F6.0	6	2				
TL0208 or TL0208	F8.0	8	2				
TL0209	F9.0	9	2				
TL0210 or TL0210	F10.0	10	2				
TL0212	F12.0	12	2				
TL0214	F14.0	14	2				
TL0216	F16.0	16	2				

For SI: 1 inch = 25.4 mm, 1 lb = 4.4 N, 1 psi = 6.895 kPa.

¹ For purposes of measuring overall fastener length, fasteners must be measured from the underside of head to bottom of tip.

² Length of thread includes tip. See detailed illustration.

³ Bending yield strength determined per methods specified in ASTM F1575 and based on the minor thread diameter.

⁴ Allowable shear strength values apply only to shearing in the unthreaded shank portion of the fastener.

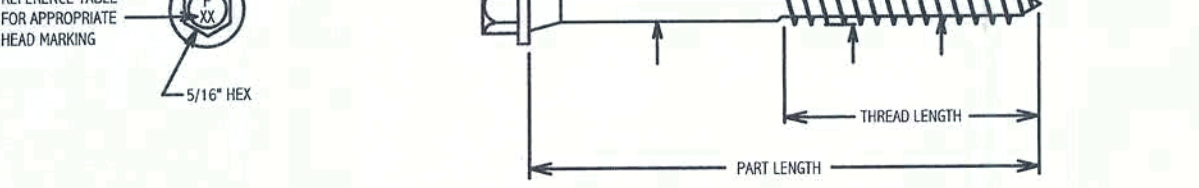


TABLE 1B-FASTENER SPECIFICATIONS: HEADLOK FASTENERS

HEADLOK FASTENER DESIGNATION	HEAD MARKING	OVERALL LENGTH ¹ (inches)	LENGTH OF THREAD ² (inches)	UNTHREADED SHANK DIAMETER (inch)	MINOR THREAD (ROOT) DIAMETER (inch)	BENDING YIELD ³ (F yb, psi)	ALLOWABLE FASTENER STRENGTH ⁴ Tensile (psi) Shear ⁵ (psi)
HL0278	F2.5HL	2 7/8	2				
HL0412	F4.5HL	4 1/2	2				
HL06	F6.0HL	6	2				
HL08	F8.0HL	8	2				
HL10	F10.0HL	10	2				

For SI: 1 inch = 25.4 mm, 1 lb = 4.4 N, 1 psi = 6.895 kPa.

¹ For purposes of measuring overall fastener length, fasteners must be measured from the underside of head to bottom of tip.

² Length of thread includes tip. See detailed illustration.

³ Bending yield strength determined per methods specified in ASTM F1575 and based on the minor thread diameter.

⁴ Allowable shear strength values apply only to shearing in the unthreaded shank portion of the fastener.

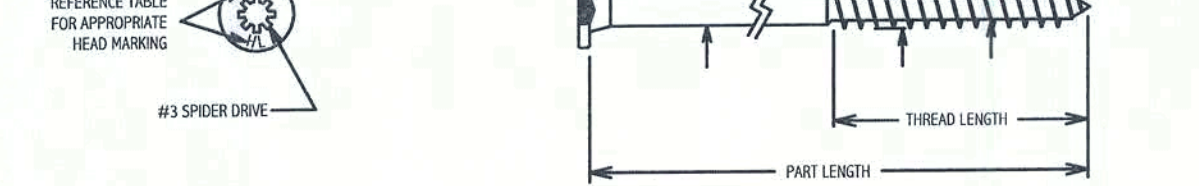


TABLE 1C-FASTENER SPECIFICATIONS: LEDGERLOK AND LOGLOG FASTENERS

LEDGERLOK/ LOGLOG FASTENER DESIGNATION	HEAD MARKING	OVERALL LENGTH ¹ (inches)	LENGTH OF THREAD ² (inches)	UNTHREADED SHANK DIAMETER (inch)	MINOR THREAD (ROOT) DIAMETER (inch)	BENDING YIELD ³ (F yb, psi)	ALLOWABLE FASTENER STRENGTH ⁴ Tensile (lb) Shear ⁵ (lb)
LL358	F3.6	3 5/8	2				
LL005	F5.0	5	3				
LH0209	F9.0	9	3				
LH0211	F11.0	11	3				
LH0213	F13.0	13	3				
LH0215	F15.0	15	3				

For SI: 1 inch = 25.4 mm, 1 lb = 4.4 N, 1 psi = 6.895 kPa.

¹ Length of thread includes tip. See detailed illustration.

² Bending yield strength determined per methods specified in ASTM F1575 and based on the minor thread diameter.

³ Allowable shear strength values apply only to shearing in the unthreaded shank portion of the fastener.

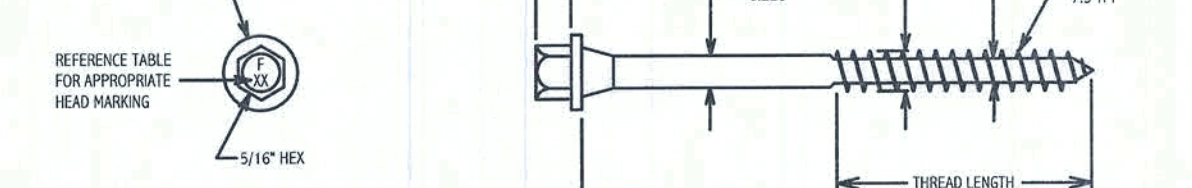


TABLE 1D-FASTENER SPECIFICATIONS: TRUSSLOK FASTENERS

TRUSSLOK FASTENER DESIGNATION	HEAD MARKING	OVERALL LENGTH ¹ (inches)	LENGTH OF THREAD ² (inches)	UNTHREADED SHANK DIAMETER (inch)	MINOR THREAD (ROOT) DIAMETER (inch)	BENDING YIELD ³ (F yb, psi)	ALLOWABLE FASTENER STRENGTH ⁴ Tensile (lb) Shear ⁵ (lb)
EW338	F3.3	3 3/8					
EW505	F5.0	5					
EW670	F6.7	6 7/10					

For SI: 1 inch = 25.4 mm, 1 lb = 4.4 N, 1 psi = 6.895 kPa.

¹ For purposes of measuring overall fastener length, fasteners must be measured from the underside of head to bottom of tip.

² Length of thread includes tip. See detailed illustration.

³ Bending yield strength determined per methods specified in ASTM F1575 and based on the minor thread diameter.

⁴ Allowable shear strength values apply only to shearing in the unthreaded shank portion of the fastener.

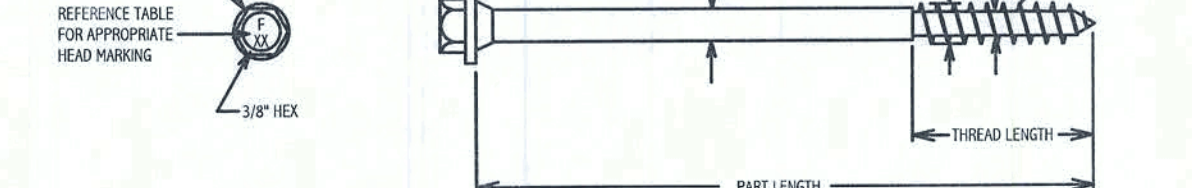


TABLE 1E-FASTENER SPECIFICATIONS: TRUSSLOK-Z FASTENERS

TRUSSLOK-Z FASTENER DESIGNATION	HEAD MARKING	OVERALL LENGTH ¹ (inches)	LENGTH OF THREAD ² (inches)	UNTHREADED SHANK DIAMETER (inch)	MINOR THREAD (ROOT) DIAMETER (inch)	BENDING YIELD ³ (F yb, psi)	ALLOWABLE FASTENER STRENGTH ⁴ Tensile (lb) Shear ⁵ (lb)
TSZ278	F2.8	2 7/8					
TSZ412	F4.5	4 1/2					
TSZ006	F6.0	6					

For SI: 1 inch = 25.4 mm, 1 lb = 4.4 N, 1 psi = 6.895 kPa.

¹ For purposes of measuring overall fastener length, fasteners must be measured from the underside of head to bottom of tip.

² Length of thread includes tip. See detailed illustration.

³ Bending yield strength determined per methods specified in ASTM F1575 and based on the minor thread diameter.

⁴ Allowable shear strength values apply only to shearing in the unthreaded shank portion of the fastener.

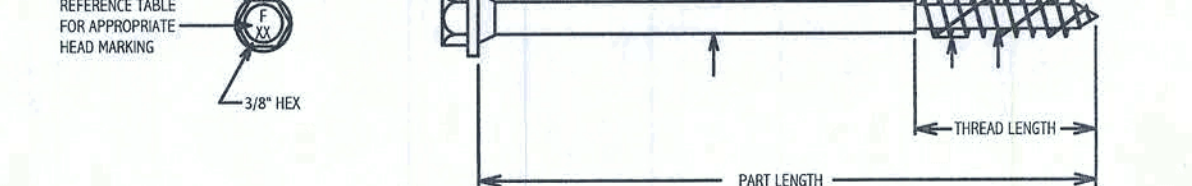


TABLE 1F-FASTENER SPECIFICATIONS: THRULOK FASTENERS¹

TRUSSLOK FASTENER DESIGNATION	HEAD MARKING	OVERALL LENGTH ² (inches)	LENGTH OF THREAD ³ (inches)	UNTHREADED SHANK DIAMETER (inch)	MINOR THREAD (ROOT) DIAMETER (inch)	BENDING YIELD ⁴ (F yb, psi)	ALLOWABLE FASTENER STRENGTH ⁵ Tensile (lb) Shear ⁶ (lb)
THR14	FT6.2	6 1/4					
THR07	FT7.0	7					
THR08	FT8.0	8					
THR12	FT9.5	9 1/2					

For SI: 1 inch = 25.4 mm, 1 lb = 4.4 N, 1 psi = 6.895 kPa.

¹ For purposes of measuring overall fastener length, fasteners must be measured from the underside of head to bottom of tip.

² Length of thread includes tip. See detailed illustration.

³ Bending yield strength determined per methods specified in ASTM F1575 and based on the minor thread diameter.

⁴ The thread lengths given for the ThruLOK are for sizes 4 and 8, as depicted in the diagram below.

⁵ Allowable shear strength values apply only to shearing in the unthreaded shank portion of the fastener.

⁶ The ThruLOK fastener must be used with the ThruLOK washer and nut (supplied with the fastener).



TABLE 4-REFERENCE LATERAL DESIGN VALUES (Z) FOR SINGLE SHEAR (TWO-MEMBER) WOOD-TO-WOOD CONNECTIONS
LOADED PARALLEL (Z_{||}) OR PERPENDICULAR (Z_⊥) TO THE GRAIN^{1,2}

FASTENER		MINIMUM SIDE MEMBER THICKNESS, ³ t _s (inches)	MINIMUM MAIN MEMBER PENETRATION, ⁴ p (inches)	Z (lb) for MINIMUM SPECIFIC GRAVITIES OF:					
Designation	Length (inches)	t _s (inches)	p (inches)	0.5		0.46		0.42	
				Z	Z _⊥	Z	Z _⊥	Z	Z _⊥
OlyLog/ TimberLOK	2 1/2 ¹	1 1/2	1	240	220	220	200	200	180
	4 1/2 longer	1 1/2	2 1/2	280	260	260	230	240	210
	6 1/2 longer	2 1/2	3 1/2	280	270	270	250	250	230
	8 1/2 longer	3	5	290	270	260	250	240	230
HeadLOK	2 7/8 ¹	1 1/2	1 3/8	240	210	220	180	210	150
	4 1/2	1 1/2	3	280	260	260	240	250	220
	6 1/2 longer	1 1/2	4 1/2	290	270	270	250	250	230
	8 1/2 longer	2 1/2	3 1/2	300	280	280	260	270	240
LedgerLOK	3 5/8 ¹	1 1/2	1 ¹	-	-	-	-	-	-
	3 5/8	1 1/2	1 1/2 ¹	-	260	-	220	-	220
	3 5/8	1 1/2	2 1/8	310	310	290	280	270	250
	3 5/8	1 1/2	3 1/2	320	300	300	280	280	260
Loghog	9 1/2 longer	3	310	3	310	290	280	280	260
	3 3/8	3 1/4	1 5/8	320	290	300	270	280	260
TrustLOK	5 3/4	3 1/4	3 1/4	330	300	310	270	290	270
	6 3/4	3 1/4	5	330	310	310	290	290	270
TrustLOK-Z	1 1/2	1 7/8	1 3/8	310	310	310	290	290	270
	4 1/2	1 1/2	3	320	290	300	270	290	270
	6 1/2	1 1/2	4 1/2	330	300	310	280	290	250
	8 1/2	1 1/2	5	330	300	310	280	290	250