

A CUSTOM LOG RESIDENCE FOR:
FRANK & JULIE JONES

**PROJECT ADDRESS:
 1444 DEER LAKE CIRCLE
 APOPKA, FLORIDA 32712
 (ORANGE COUNTY)**

**CRACKER STYLE
 LOG HOMES**



SHEET INDEX

- A1 EXTERIOR ELEVATIONS
- A2 FLOOR PLAN
- A3 ELECTRICAL PLAN
- S1 WINDLOAD DETAILS
- S2 STRUCTURAL PLAN
- S3 FOUNDATION PLAN
- S4 ROOF FRAMING PLAN

AREA SUMMARY		
LIVING AREA	1380	S.F.
COVERED PORCH AREA	1472	S.F.
TOTAL AREA	2852	S.F.

REVISIONS	

LOG PACKAGE SUPPLIER:

**CRACKER
 STYLE
 LOG HOMES**
 Highway 27, Williston, Florida
 info@crackerstyleloghomes.com
(352) 529-2070

A NEW
 LOG HOME FOR:

FRANK & JULIE JONES
 ADDRESS: 1444 DEER LAKE CIRCLE, APOPKA, ORANGE COUNTY, FLORIDA 32712

DESIGNED BY:
**WILLIAM
 MYERS DESIGN, INC.**
 426 SW Commerce Dr.
 Suite 135
 Lake City, Florida 32025
 Phone: 386-758-8406
 will@willmyers.net

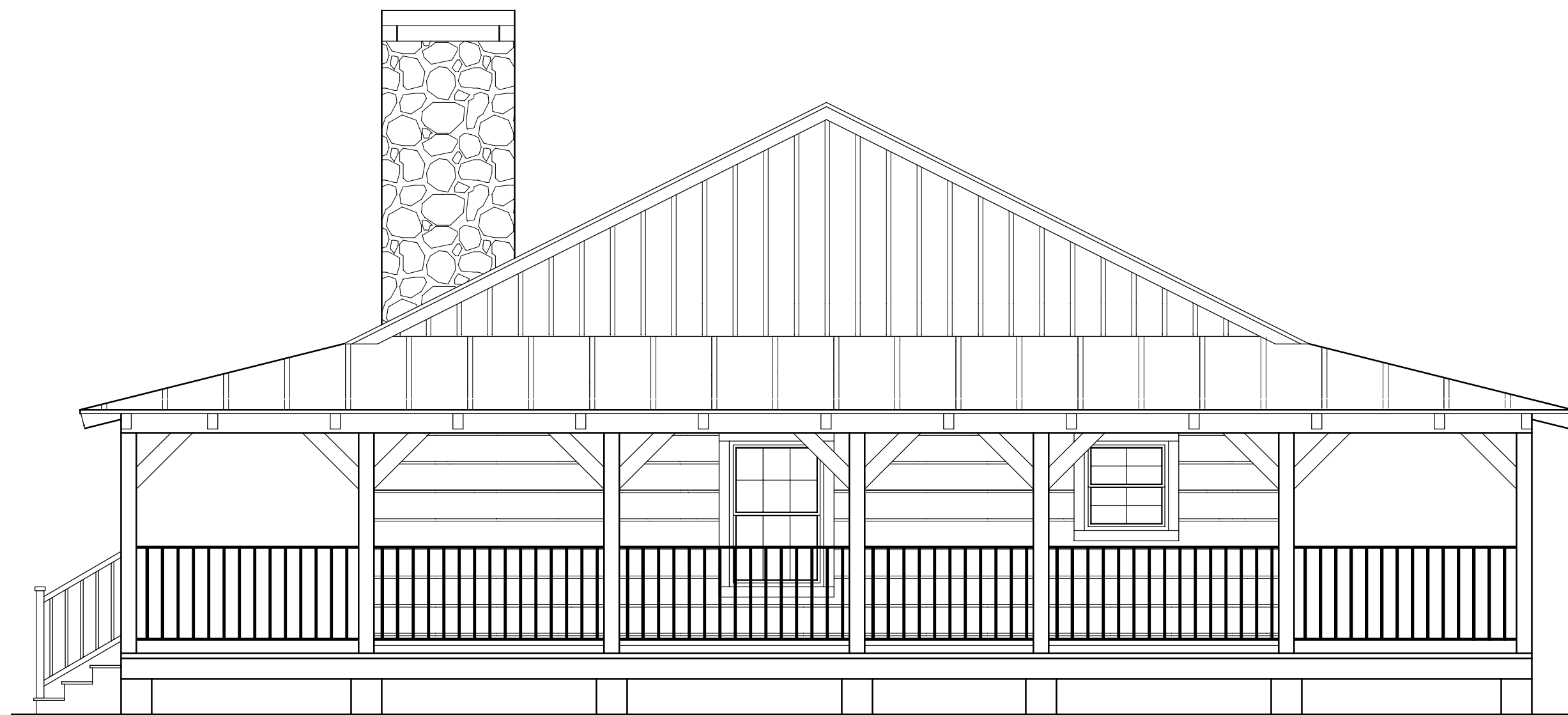
PRINTED DATE:

FINALS DATE: 2011-06-27	LOG STYLE: 6 X 8 "D-style" CYPRESS LOGS
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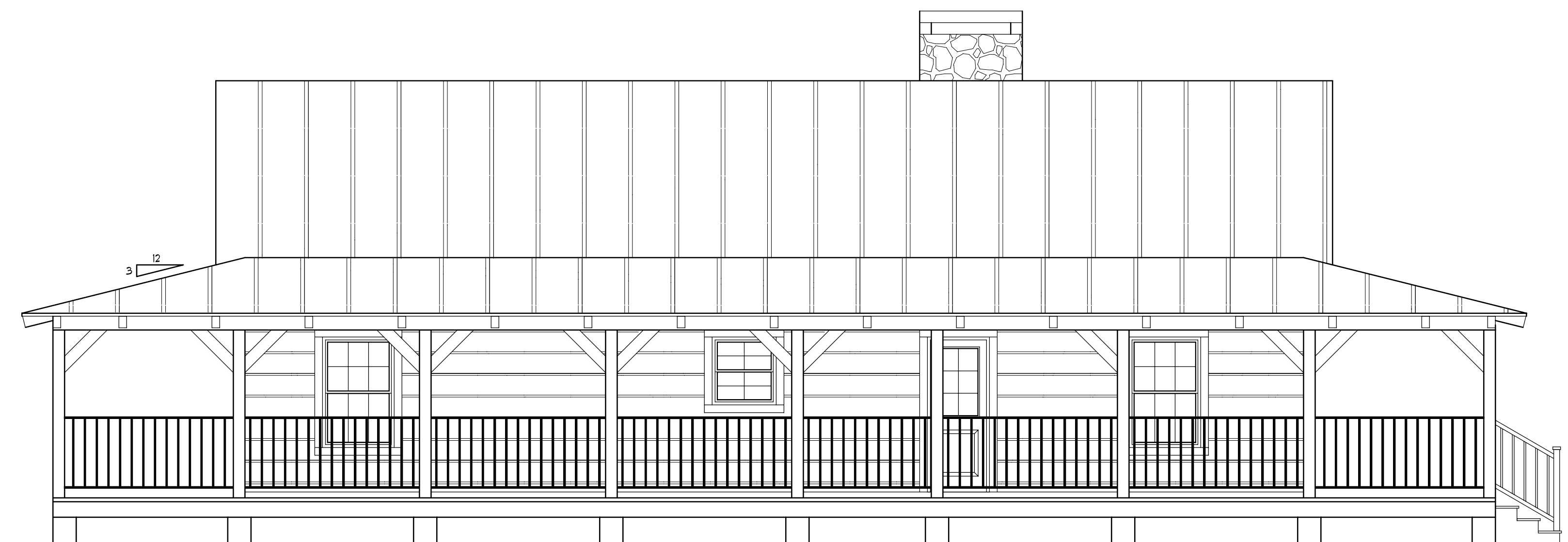
JOB NUMBER:
1106107

DRAWING NUMBER

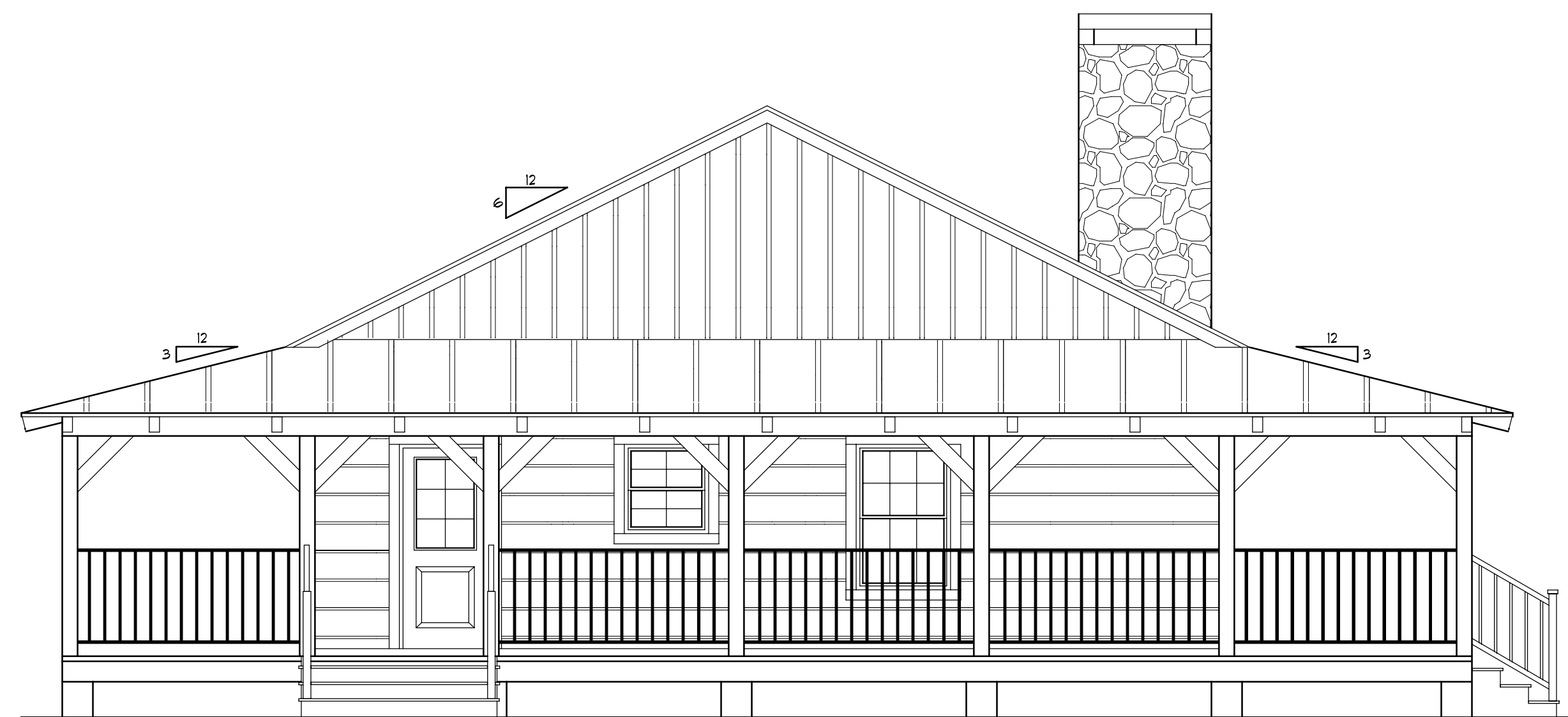
COVER
 OF 8 SHEETS



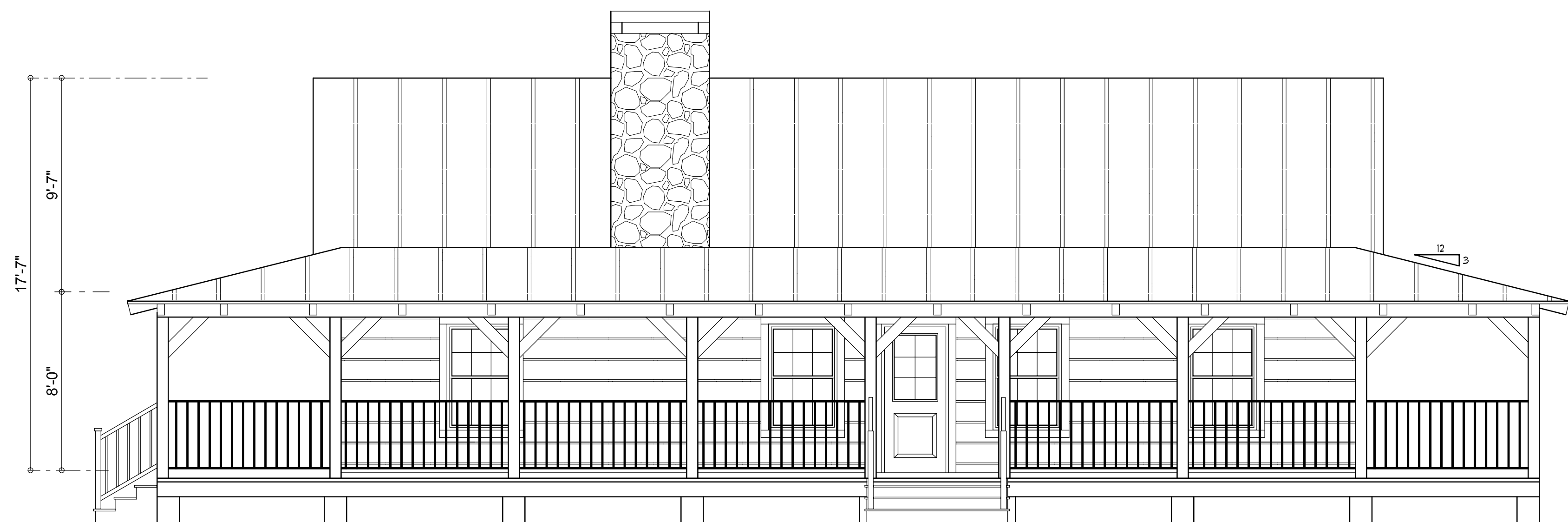
RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



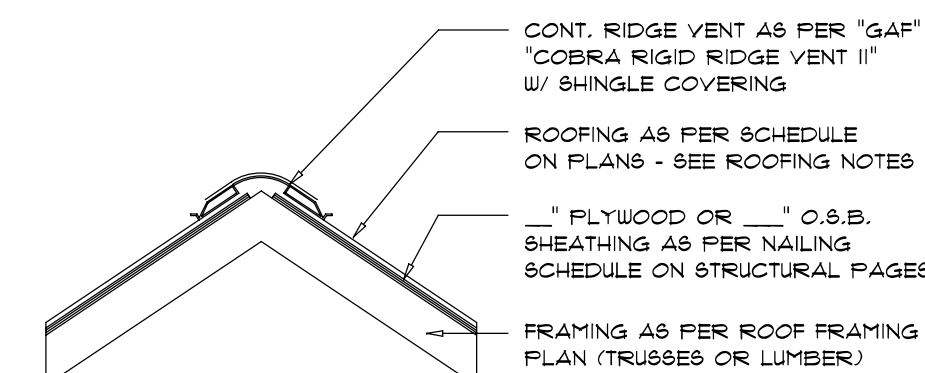
REAR ELEVATION
SCALE: 1/4" = 1'-0"



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



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



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

AREA OF ATTIC	REQ'D L.F. 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	820 SQ. IN.
3600 SF	44 LF	900 SQ. IN.

Ridge Vent DETAIL
SCALE: 3/4" = 1'-0"

B

REVISIONS	

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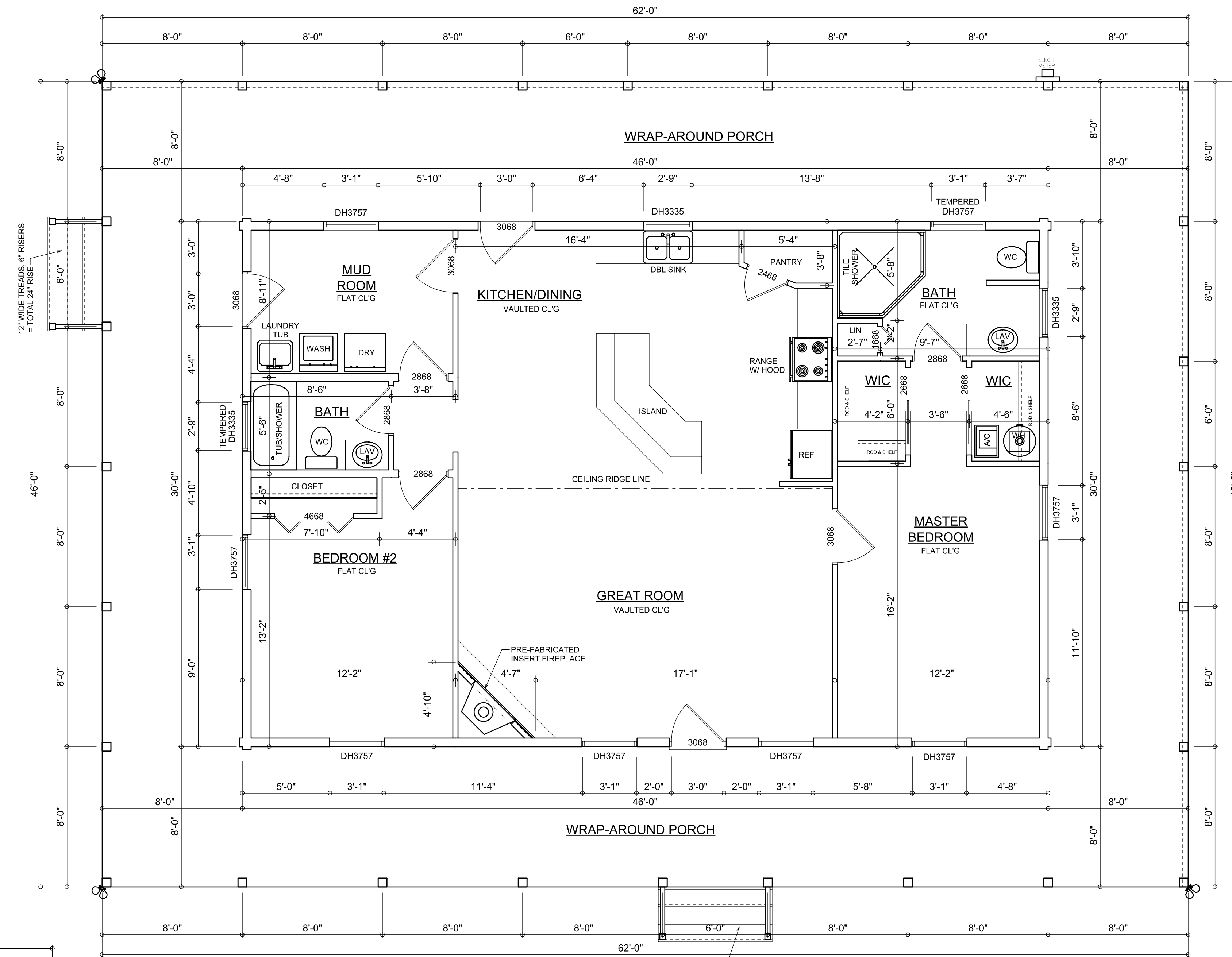
JOB NUMBER: 1106107

DRAWING NUMBER
A.1
OF 8 SHEETS

WINDOW SCHEDULE									
QTY	MODEL NO.	FRAME SIZE		ROUGH OPENING		LOG WALL OPENING		MATERIAL	MANUFACTURER
		WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT		
1	37B1 DH	3'-1"	4'-9"	3'-4 3/4"	4'-9 3/4"	N/A	N/A	WOOD INTERIOR VINYL EXTERIOR	PELLA
2	3335 DH	2'-9"	2'-11"	2'-9 3/4"	2'-11 3/4"	N/A	N/A	WOOD INTERIOR VINYL EXTERIOR	PELLA
1	37B1 DH (TEMP. GL.)	3'-1"	4'-9"	3'-4 3/4"	4'-9 3/4"	N/A	N/A	WOOD INTERIOR VINYL EXTERIOR	PELLA
1	3335 DH (TEMP. GL.)	2'-9"	2'-11"	2'-9 3/4"	2'-11 3/4"	N/A	N/A	WOOD INTERIOR VINYL EXTERIOR	PELLA

DOOR SCHEDULE							
DOOR	SIZE		LOG WALL OPENING		REMARKS	SWING	STYLE
	WIDTH	HEIGHT	WIDTH	HEIGHT			
3	3'-0"	6'-8"	N/A	N/A	EXTERIOR FIBERGLASS THERMOTRU OR EQUAL		
2	3'-0"	6'-8"	N/A	N/A	INTERIOR DOOR		
4	2'-8"	6'-8"	N/A	N/A	INTERIOR DOOR		
1	2'-4"	6'-8"	N/A	N/A	INTERIOR DOOR		
1	4'-6"	6'-8"	N/A	N/A	INTERIOR BIFOLD DOOR		
1	1'-6"	6'-8"	N/A	N/A	INTERIOR POCKET DOOR		
2	2'-6"	6'-8"	N/A	N/A	INTERIOR POCKET DOOR		

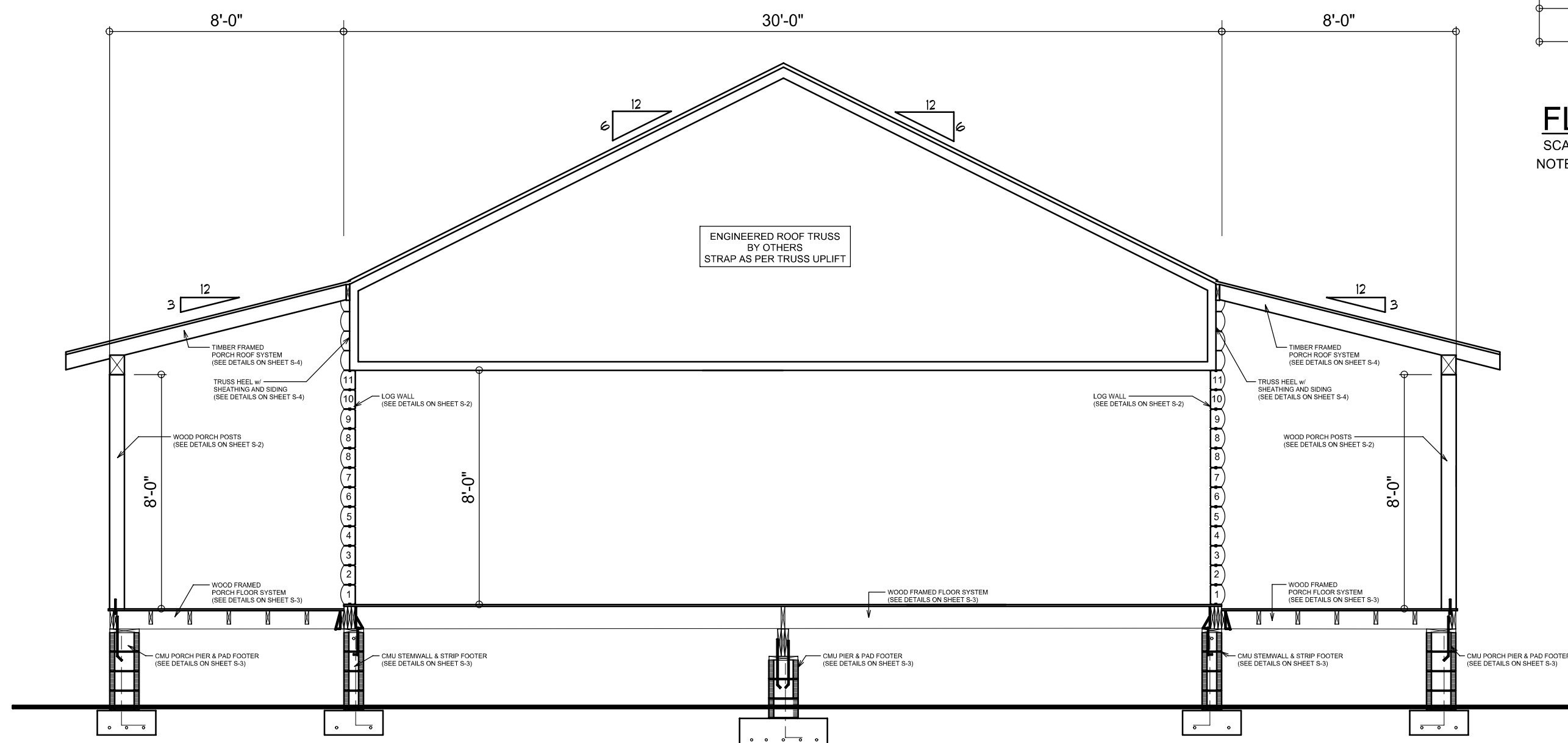
NOTE:
LOG WALL OPENINGS ARE TO BE CUT 3" LARGER THAN DOOR ROUGH OPENING (JAM)
LOG WALL OPENINGS ARE TO BE CUT 1 1/2" LARGER THAN DOOR ROUGH OPENING (HEAD)



FLOOR PLAN
SCALE: 1/4" = 1'-0"
NOTE: ALL CEILING HEIGHTS SHALL BE 8'-0" UNLESS OTHERWISE NOTED

AREA SUMMARY

LIVING AREA	1380	S.F.
PORCH AREA	1472	S.F.
TOTAL AREA	2852	S.F.



BUILDING SECTION "A"
SCALE: 3/8" = 1'-0"

REVISIONS	

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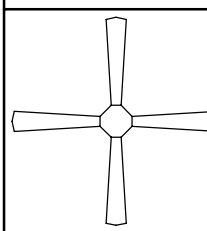
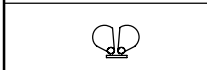

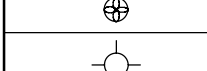
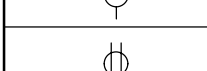
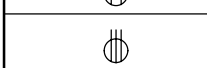

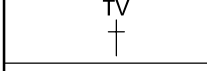
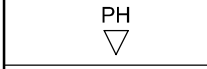
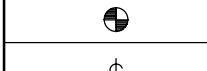
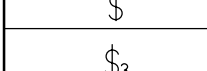
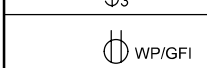
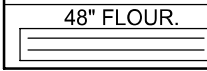

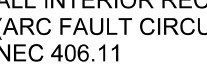
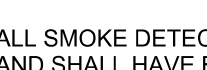
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DRAWING NUMBER
A.3
OF 8 SHEETS

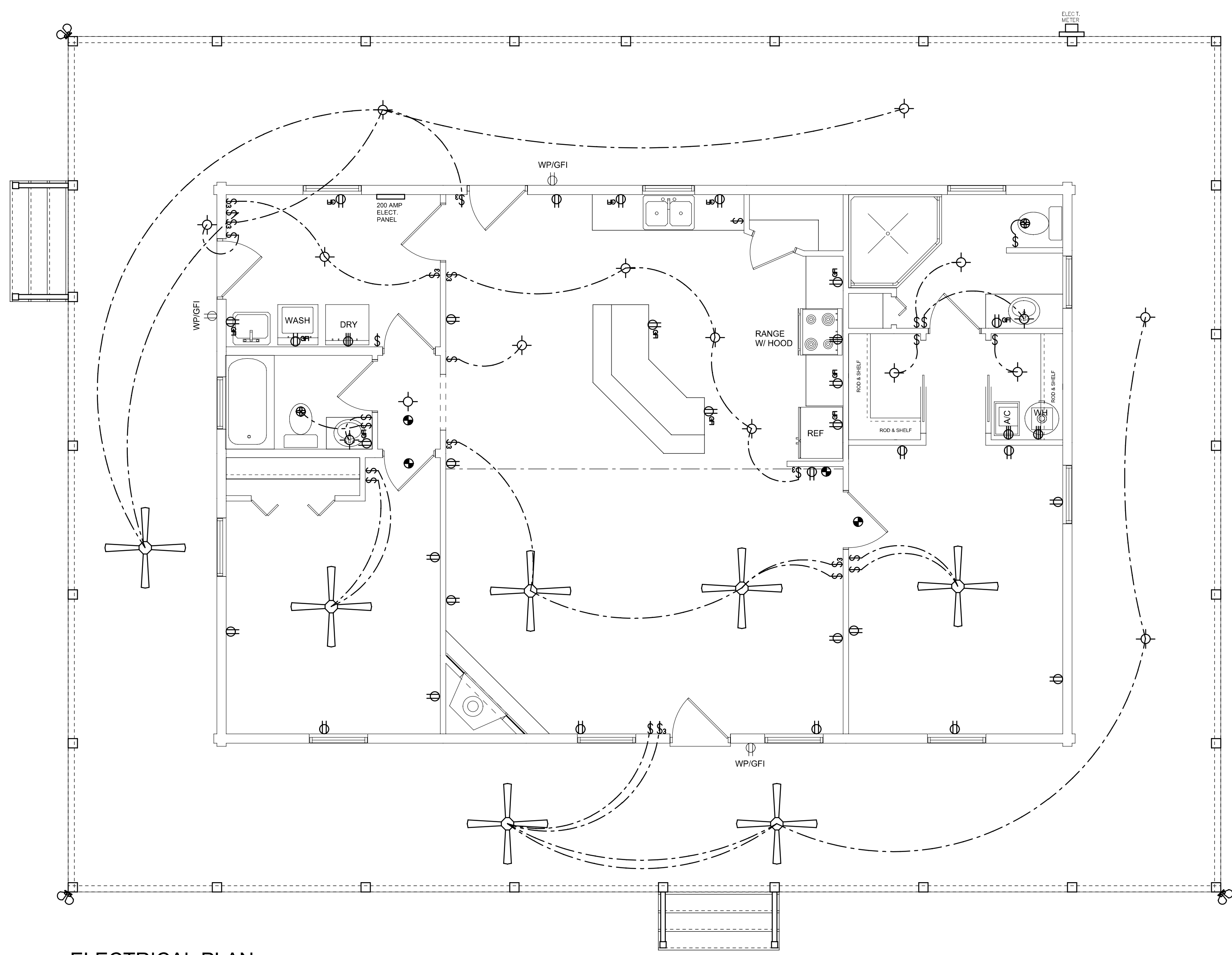
ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECESSED CAN LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET (AFCI & TAMPER RESISTANT)
	220v OUTLET
	GFI DUPLEX OUTLET (PER NEC 406.8)
	TELEVISION JACK
	TELEPHONE JACK
	SMOKE / CARBON MONOXIDE DETECTOR (see note below)
	WALL SWITCH
	3 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	48" FLOOR
	2 OR 4 TUB FLUORESCENT FIXTURE

NOTE:
ALL INTERIOR RECEPTACLES SHALL BE AFCI
(ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER
NEC 406.11

ALL SMOKE DETECTORS BE A COMBO SMOKE & CARBON MONOXIDE DETECTOR
AND SHALL HAVE BATTERY BACKUP POWER
AND ALL WIRED TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY
ALL ACTIVATE.

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE
INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEANS.
CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB
PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR
SHALL BE USED AS AN EQUIPMENT GROUND.

IT IS THE LICENSED ELECTRICAL CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL
WORK PERFORMED AND EQUIPMENT INSTALLED MEETS OR EXCEEDS THE 2008 NATIONAL
ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.



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

REVISIONS

LOG PACKAGE SUPPLIER:



WINDLOAD ENGINEER:
Mark Disoway, P.E.
No. 53915, POB 968, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
Stated dimensions supersede scaled dimensions. Refer all questions to Mark Disoway, P.E. for resolution. Do not proceed without clarification.

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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section R001.2.1, Florida Building Code 2007 and 2009 supplements, to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

MARK DISOWAY
P.E. 53915

SEAL

A NEW LOG HOME FOR:

FRANK & JULIE JONES
ADDRESS: 1444 DEER LAKE CIRCLE, APOPKA, FLORIDA 32712 (ORANGE COUNTY)

DESIGNED BY:
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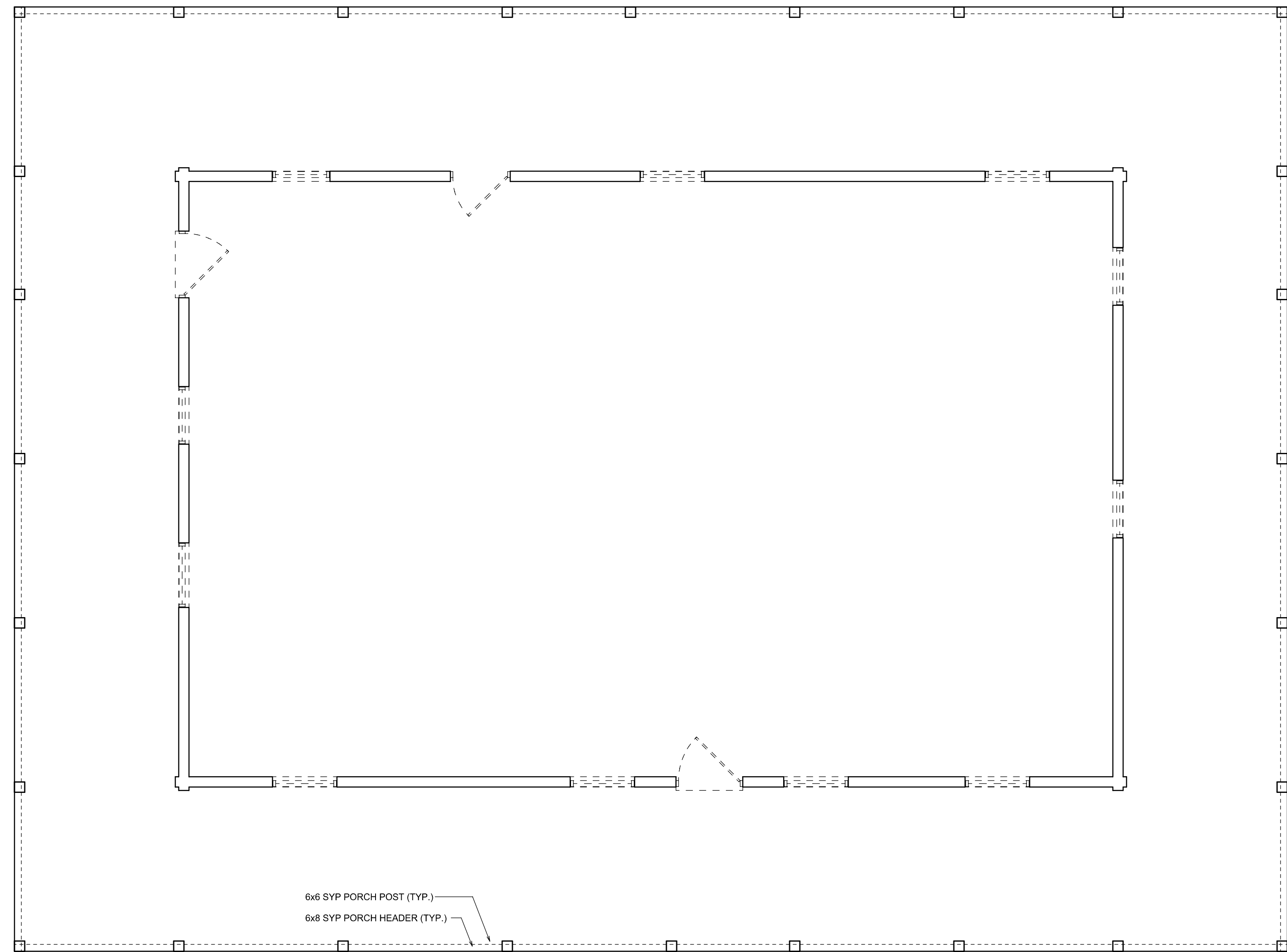
PRINTED DATE:
June 27, 2011

FINALS DATE: 2011-06-27 LOG STYLE: 6 X 8 D CYP

JOB NUMBER: 1106107

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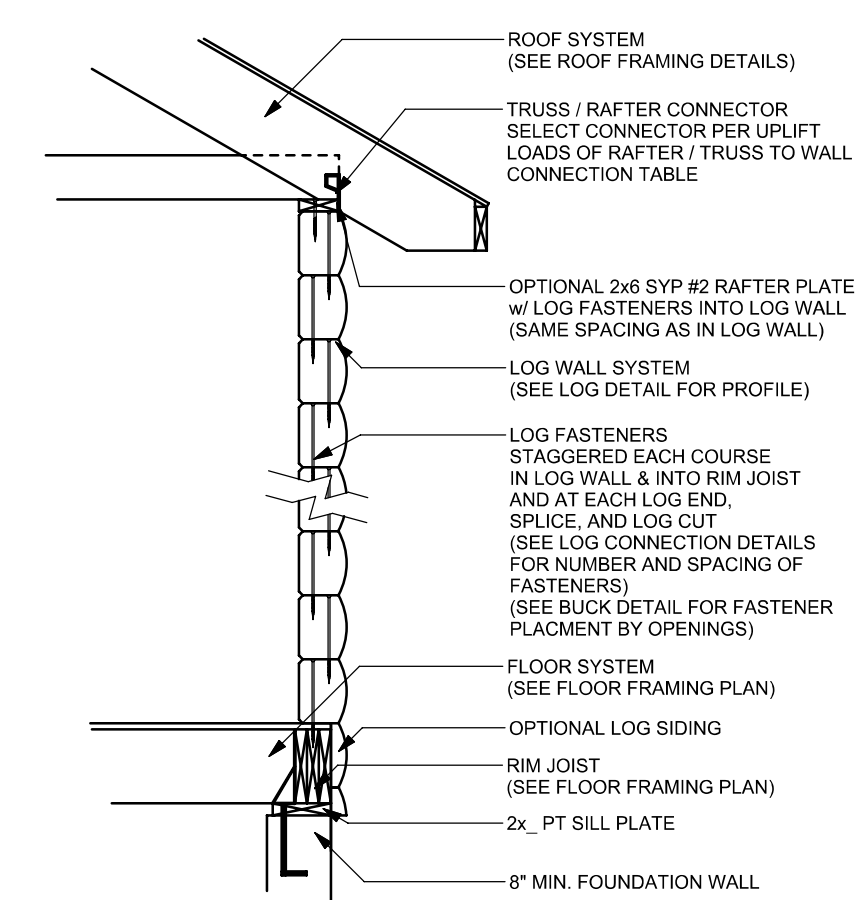
S.2
OF 8 SHEETS



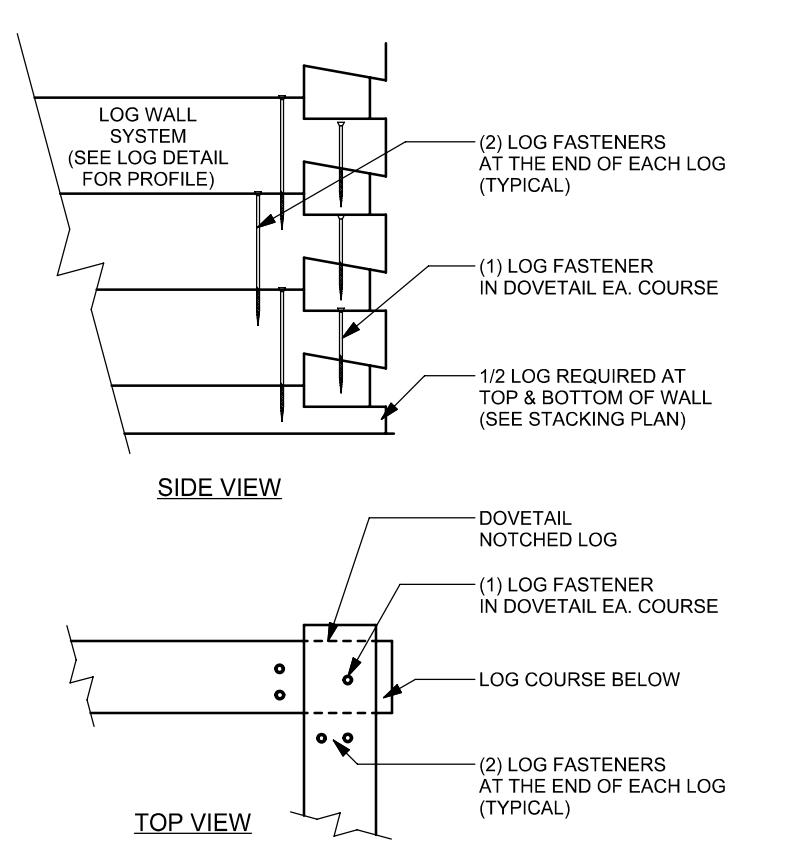
STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"

STRUCTURAL PLAN NOTES:

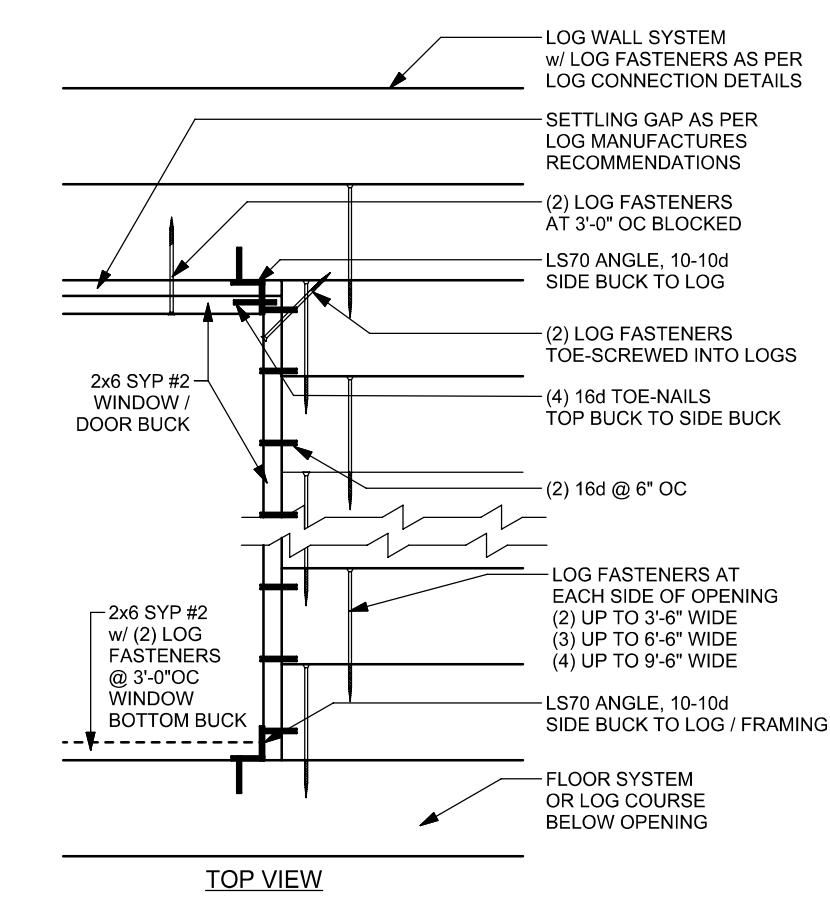
- SN-1 ALL LOAD BEARING LOG HEADERS SHALL BE A MINIMUM OF (2) 6x8 OR (1) 6x12 LOG COURSES (U.O.N.)
- SN-2 ALL LOAD BEARING HEADERS IN FRAMED WALLS SHALL BE A MINIMUM OF (2) 2X10 SYP#2 (U.O.N.)
- SN-3 7/16" O.S.B. WALL SHEATHING FULLY BLOCKED 8d COMMON NAILS 8" OC EDGE, 12" OC FIELD (U.N.O.)
- SN-4 DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS



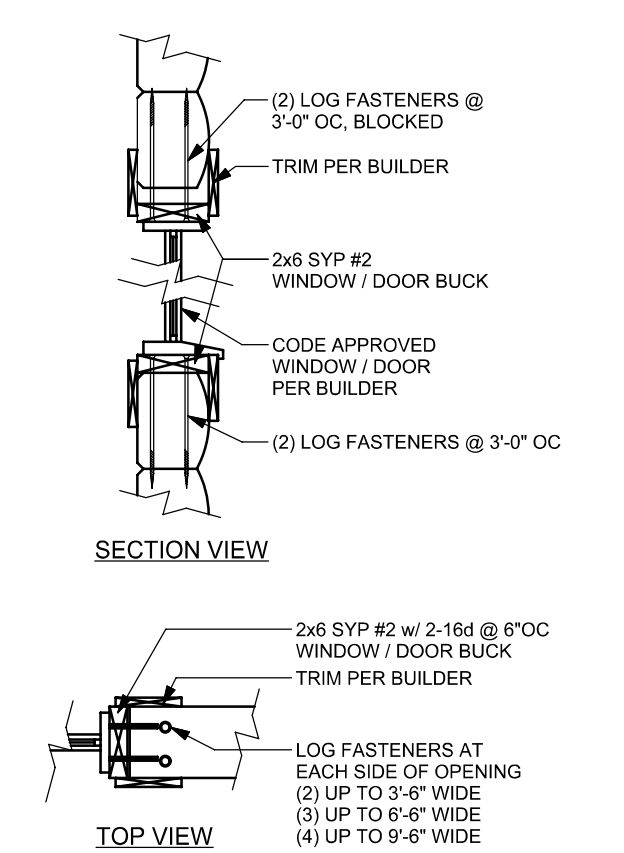
W21 TYP. 1-STORY LOG WALL SECTION
ON RIM @ WOOD FLOOR SYSTEM 1/2" = 1'-0"



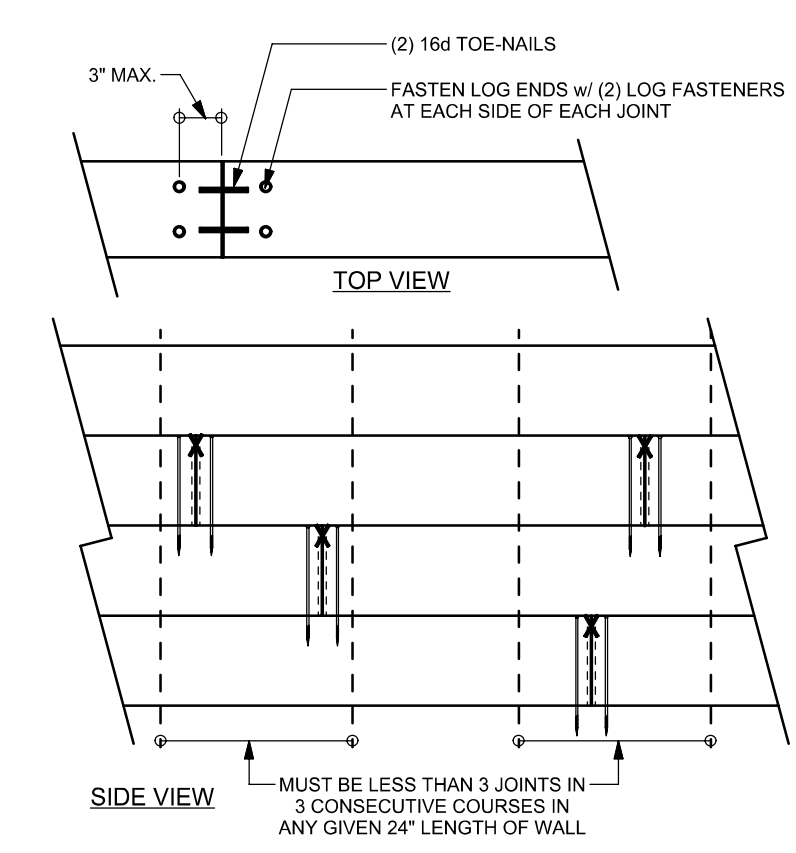
W16 DOVETAIL CORNER
LOG CORNER DETAIL 3/4" = 1'-0"



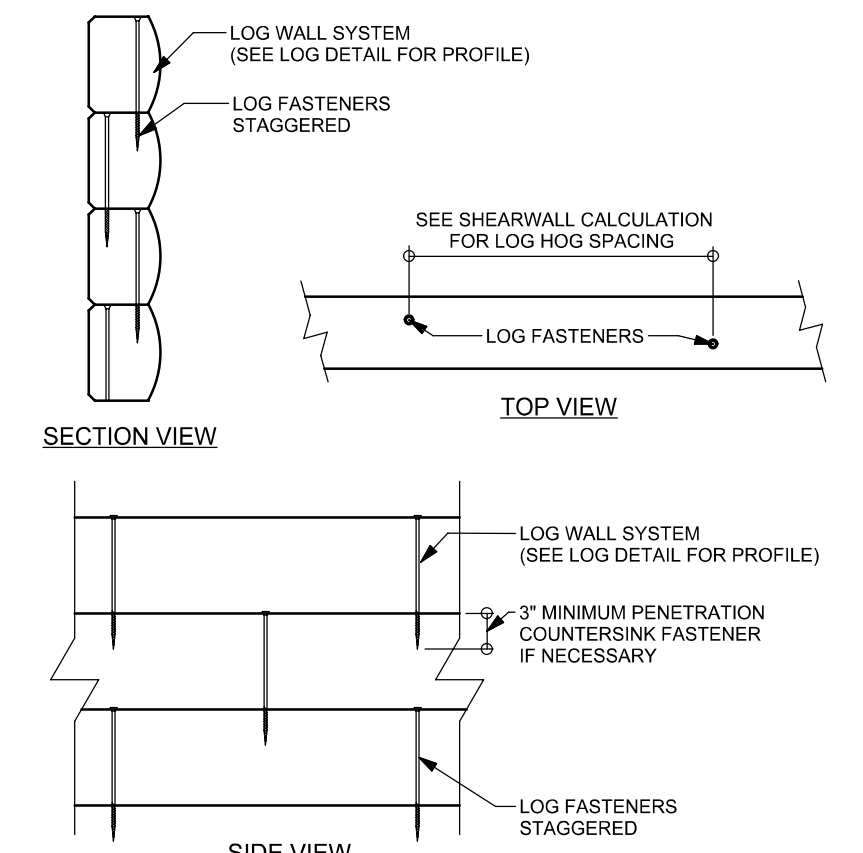
W13 LOG WALL OPENING BUCK DETAIL
LOG SCREW FASTENERS N.T.S.



W12 LOG WALL JOINT & SPLICE DETAIL
LOG SCREW FASTENERS N.T.S.



W11 LOG WALL FASTENER PLACEMENT
LOG SCREW FASTENERS N.T.S.



W01 SHEARWALL CALCULATION
LOG & FRAMED WALLS

LOG FASTENERS @ 24" OC MAX.

LOG PACKAGE SUPPLIER:



WINDLOAD ENGINEER:
Mark Disosway, P.E.
No. 53915, P.O.B. 968, Lake City, FL 32056,
386-754-5419

DIMENSIONS:
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CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with section F001.2.1, Florida Building Code 2007 and 2009 supplements, to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

MARK DISOSWAY
P.E. 53915

SEAL

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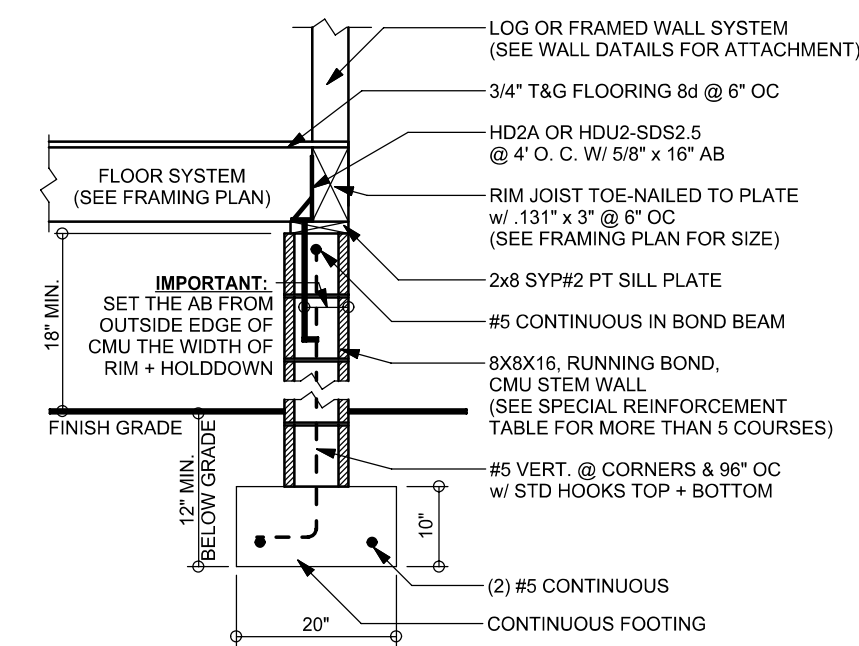
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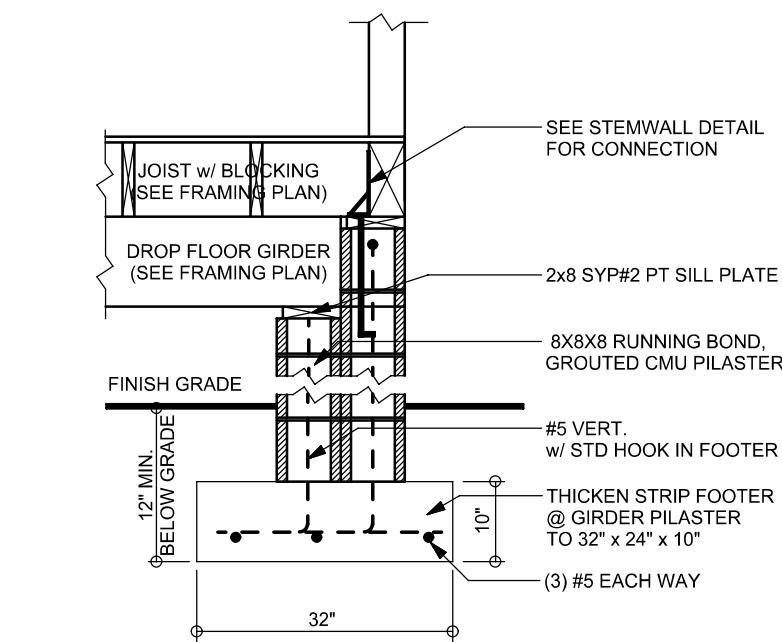
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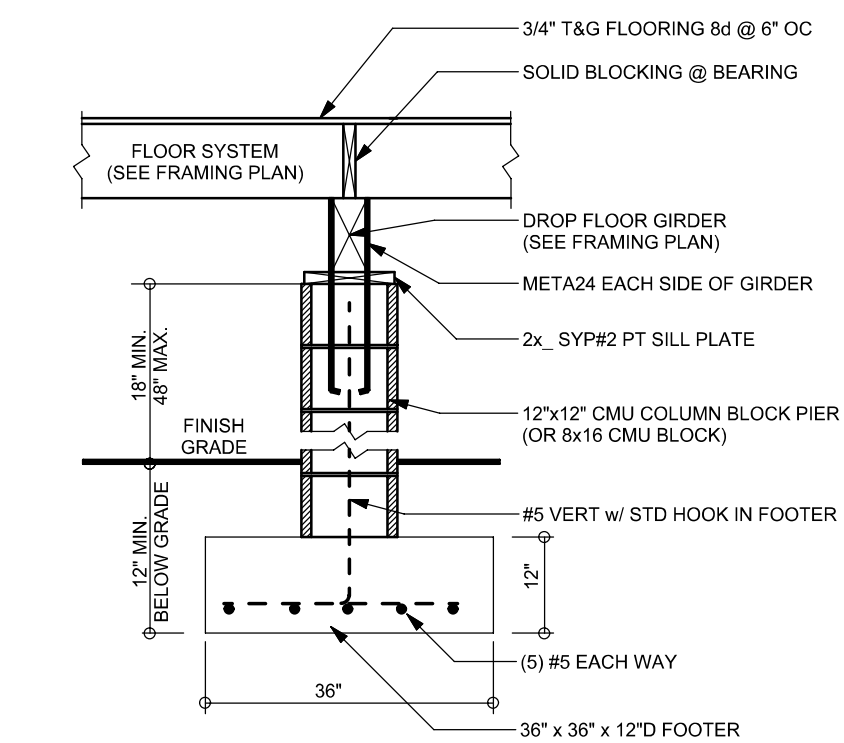
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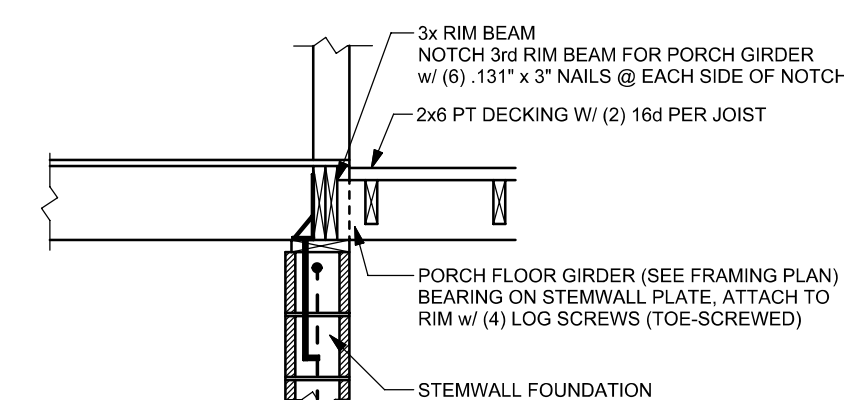
F11 STEMWALL FOUNDATION (10" x 20")
WOOD FLOOR OVER CRAWLSPACE SCALE: 1/2" = 1'-0"



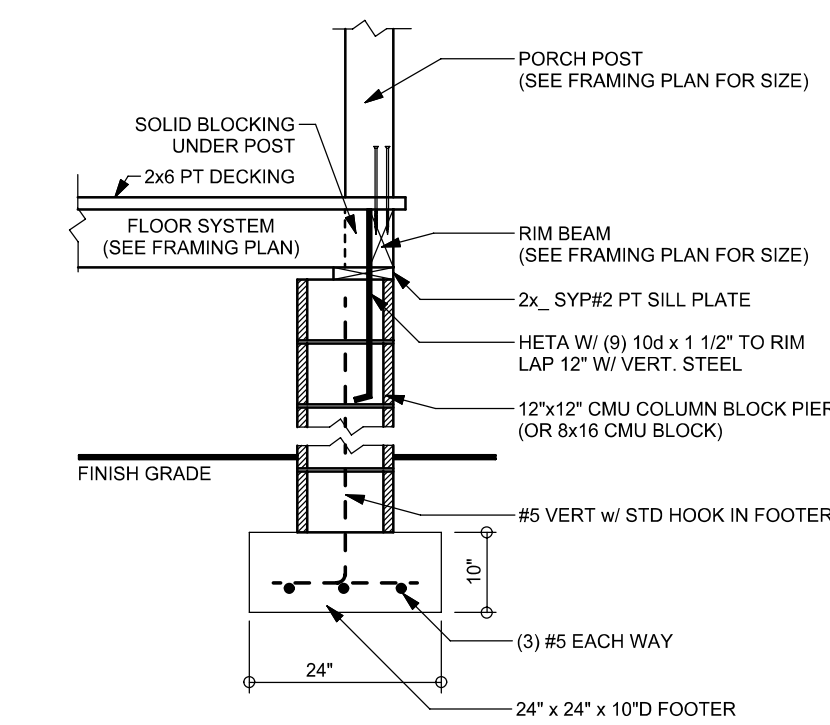
F19 8x8 PILASTER @ GIRDER BEARING
WOOD FLOOR OVER CRAWLSPACE SCALE: 1/2" = 1'-0"



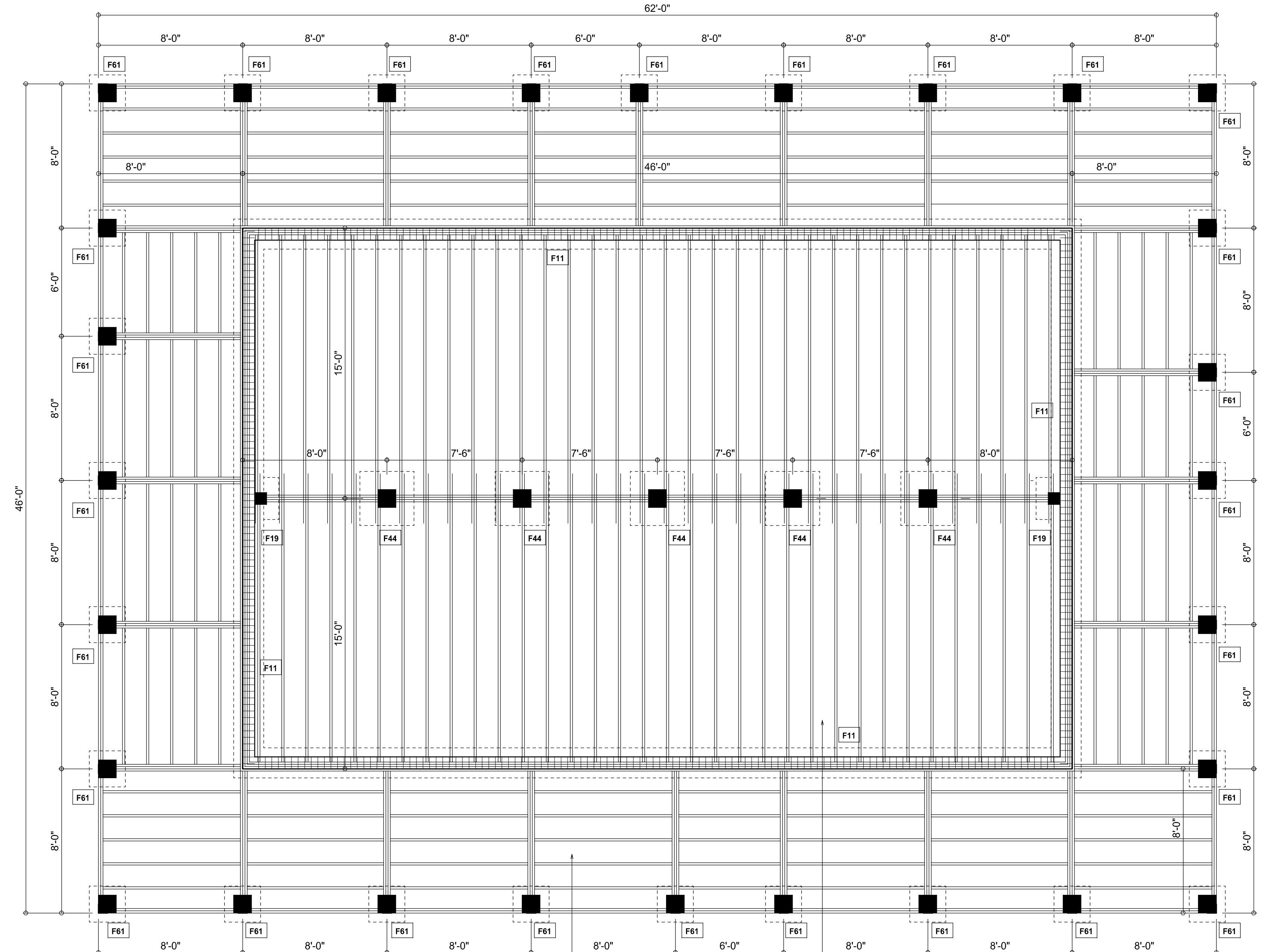
F44 PIER FOUNDATION (36" x 36" x 12")
CMU PIER w/o UPLIFT (DROPPED GIRDER) SCALE: 1/2" = 1'-0"



F69 PORCH FLOOR CONNECTION @ HOUSE
FLOOR GIRDER NOTCHED INTO RIM SCALE: 1/2" = 1'-0"



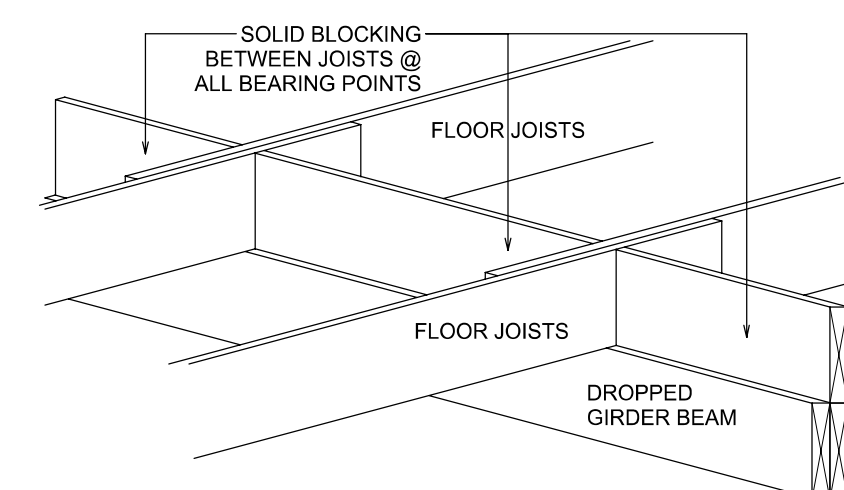
F61 PORCH PIER (24" x 24" x 10")
CMU PIER w/ UPLIFT AT PORCH POST SCALE: 1/2" = 1'-0"



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

TYPICAL PORCH FLOOR FRAMING
-2x8 SYP #2 JOISTS @ 16" OC (8'-0" MAX SPAN)
-2x8 SYP #2 JOISTS @ 16" OC (10'-6" MAX SPAN)
w/ LUS26 @ EACH END
-(3) 2x8 SYP #2 GIRDERS (LOCATION AS SHOWN)
-(2) 2x8 SYP #2 RIM BEAM
-(1) 2x8 SYP #2 BETWEEN EACH GIRDER

TYPICAL FLOOR FRAMING
-2x10 SYP #2 FLOOR JOISTS @ 16" OC (BLOCK @ ALL BEARING POINTS)
-(3) 2x10 SYP #2 GIRDERS (LOCATION AS SHOWN)
-(3) 2x10 SYP #2 RIM BEAM

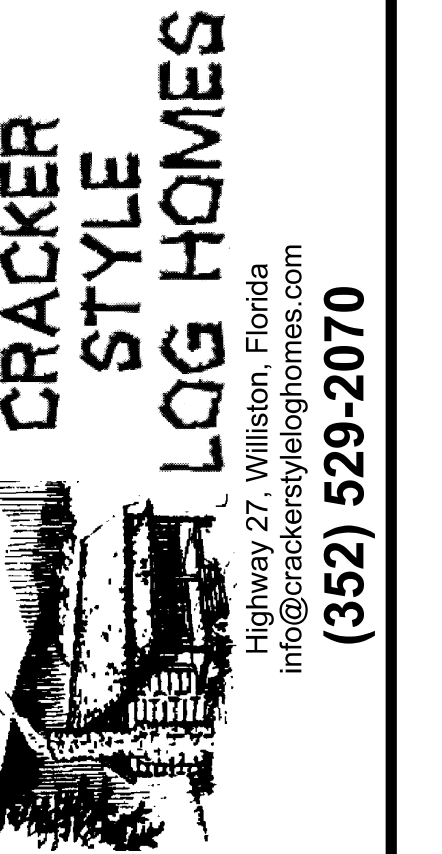


DROPPED GIRDER BLOCKING DETAIL
SCALE: N.T.S.

- GENERAL NOTES:**
1. BUILDER / OWNER IS TO VERIFY ALL DIMENSIONS BEFORE BEGINNING CONSTRUCTION.
 2. FIREPLACE FOUNDATION IS TO BE DESIGNED BY INSTALLER. A SHOP DRAWING IS TO BE GIVEN TO THE ENGINEER FOR VERIFICATION BEFORE BEGINNING CONSTRUCTION.
 3. ALL DECKS AND NON-COVERED PORCHES ARE TO BE FRAMED BY BUILDER WITH SYP#2 PT LUMBER.
 4. USE ONLY MANUFACTURE RECOMMEND FASTENERS FOR CONTACT WITH P.T. LUMBER
 5. **F22** = SEE DETAIL # SHOWN IN BOX

REVISIONS

LOG PACKAGE SUPPLIER:



WINDLOAD ENGINEER:
Mark Disosway, P.E.
No. 53915, POB 868, Lake City, FL 32056,
386-754-5419

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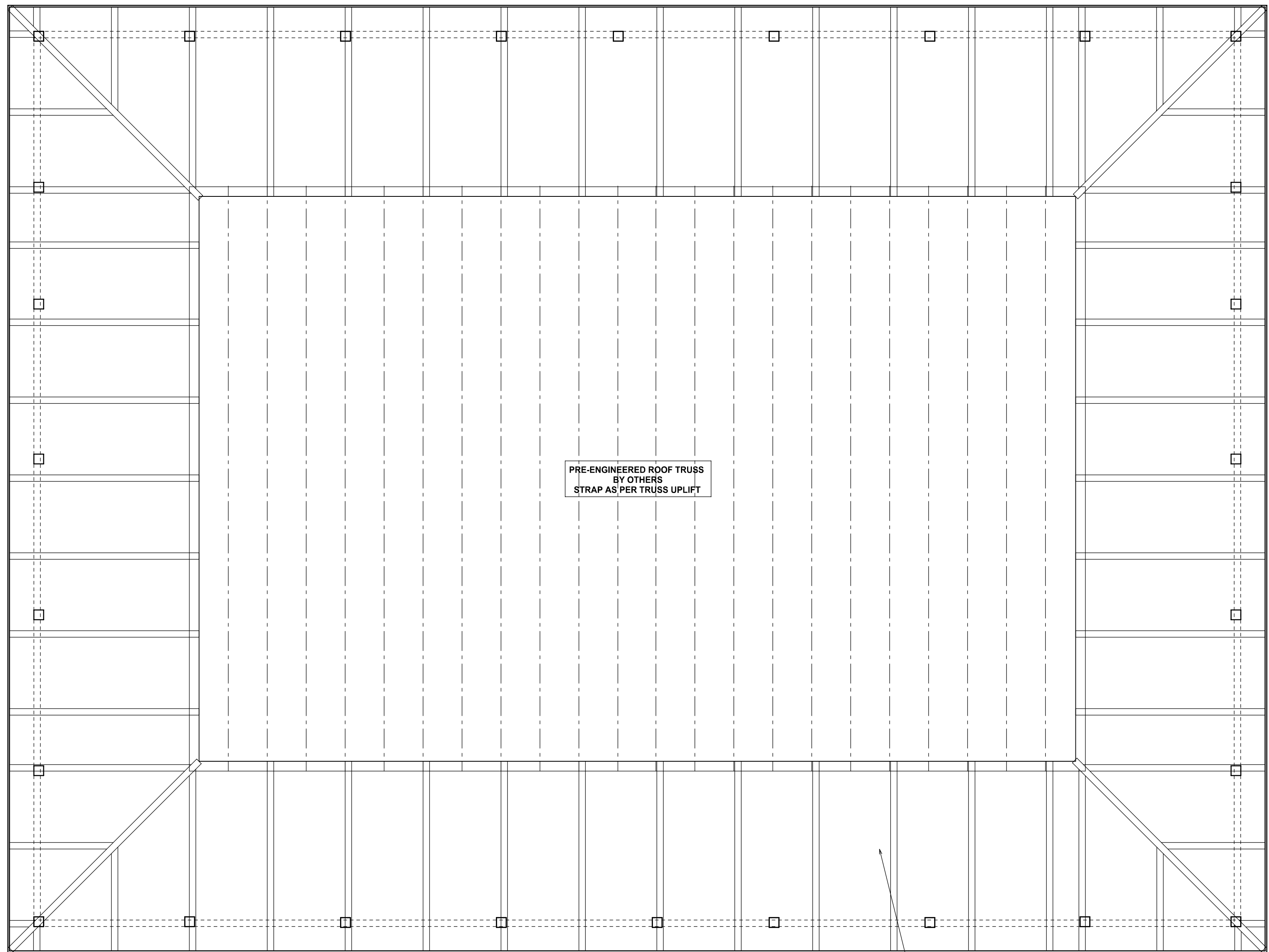
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S.4
OF 8 SHEETS



ROOF FRAMING PLAN

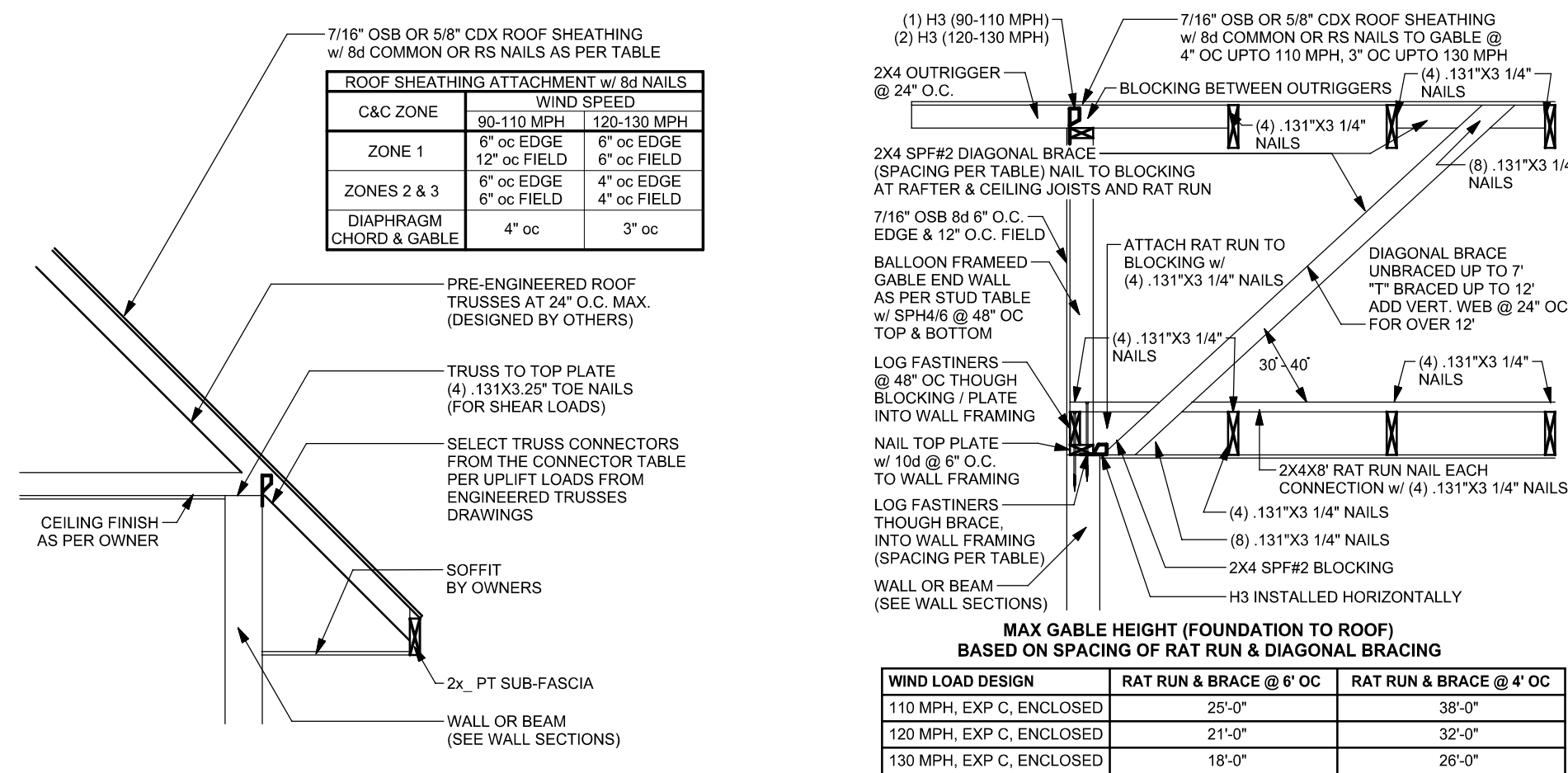
SCALE: 1/4" = 1'-0"

TYPICAL PORCH ROOF FRAMING
-4x6 CYP#2 RAFTERS @ 48" OC
w/ (4) LOG BOSS TO LEDGER
& (2) LOG BOSS TO HEADER
-4x8 CYP#2 HIP RAFTERS
w/ (4) LOG BOSS TO LEDGER
& (2) LOG BOSS TO HEADER
-15/16" T&G CYPRESS DECKING

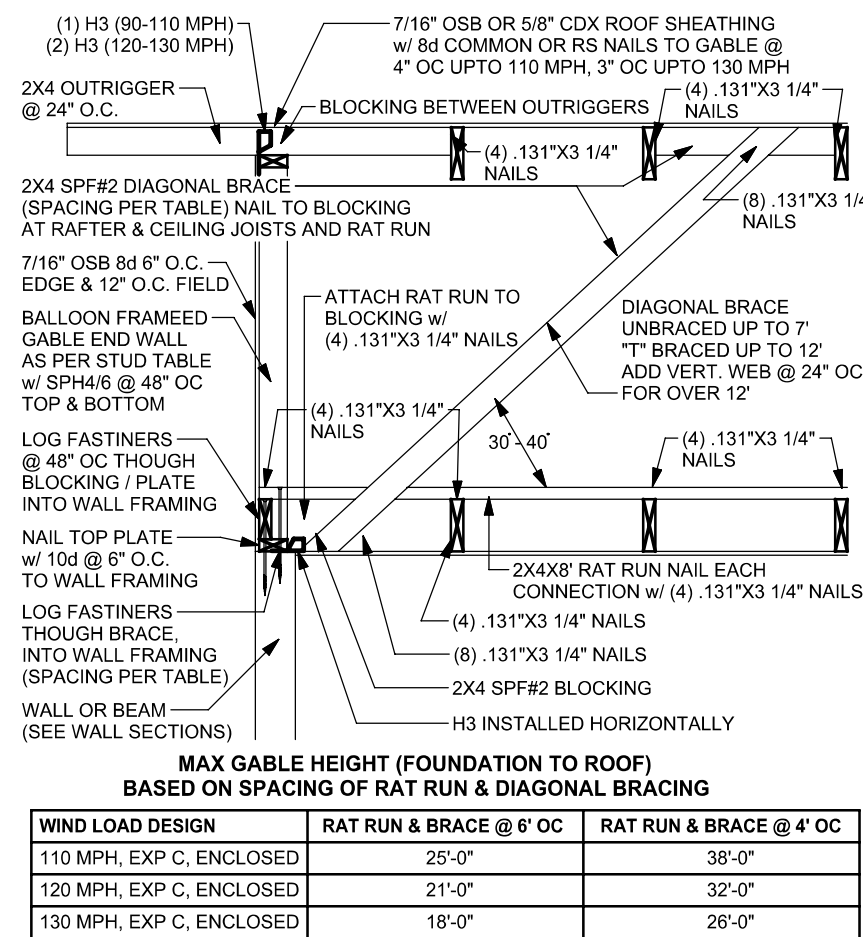
RAFTER / TRUSS FRAMING TO WALL CONNECTION FOR WIND LOAD															
WIND SPEED	REQUIRED CAPACITY OF CONNECTION (LBS)														
	90 MPH			100 MPH			110 MPH			120 MPH			130 MPH		
TRUSS RAFTER SPACING	U	L	S	U	L	S	U	L	S	U	L	S	U	L	S
12" OC	12	113	110	157	152	67R	205	184	81R	258	219	97R	315	257	113
	16	135		186			246			310			379		
	20	157		219			288			353			444		
	24	179		250			329			416			510		
	28	201		282			371			469			575		
16" OC	12	151	164	228	202	89R	273	245	106	344	291	129	420	342	151
	16	180		250			328			413			508		
	20	209		292			383			484			593		
	24	238		334			439			554			680		
	28	266		376			495			625			767		
24" OC	12	227	246	314	304	134	410	367	462	515	437	493	630	513	227
	16	270		375			492			620			759		
	20	314		438			575			729			889		
	24	358		501			659			832			1020		
	28	402		563			742			938			1151		
32	446		627			826			1045			1282			
36	490		690			910			1151			1414			

U = CONNECTOR UPLIFT LOAD
L = CONNECTOR LATERAL LOAD (PERPENDICULAR TO THE WALL)
S = CONNECTOR SHEAR LOAD (PARALLEL TO THE WALL)
R = LW FOR WIND PERPENDICULAR TO THE RIDGE AND WL FOR WIND PARALLEL TO THE RIDGE, WHERE W IS THE BUILDING WIDTH AND L IS THE BUILDING LENGTH
- UPLIFT LOADS ASSUME A REDUCED ROOF / CEILING ASSEMBLY DEAD LOAD OF 9 psf (0.6 x 15 psf = 9 psf). FOR WALL OR FOUNDATION CONNECTIONS, UPLIFT VALUES SHALL BE PERMITTED TO BE REDUCED BY 60 psf (0.6 x 99 psf) FOR EACH WALL ABOVE.

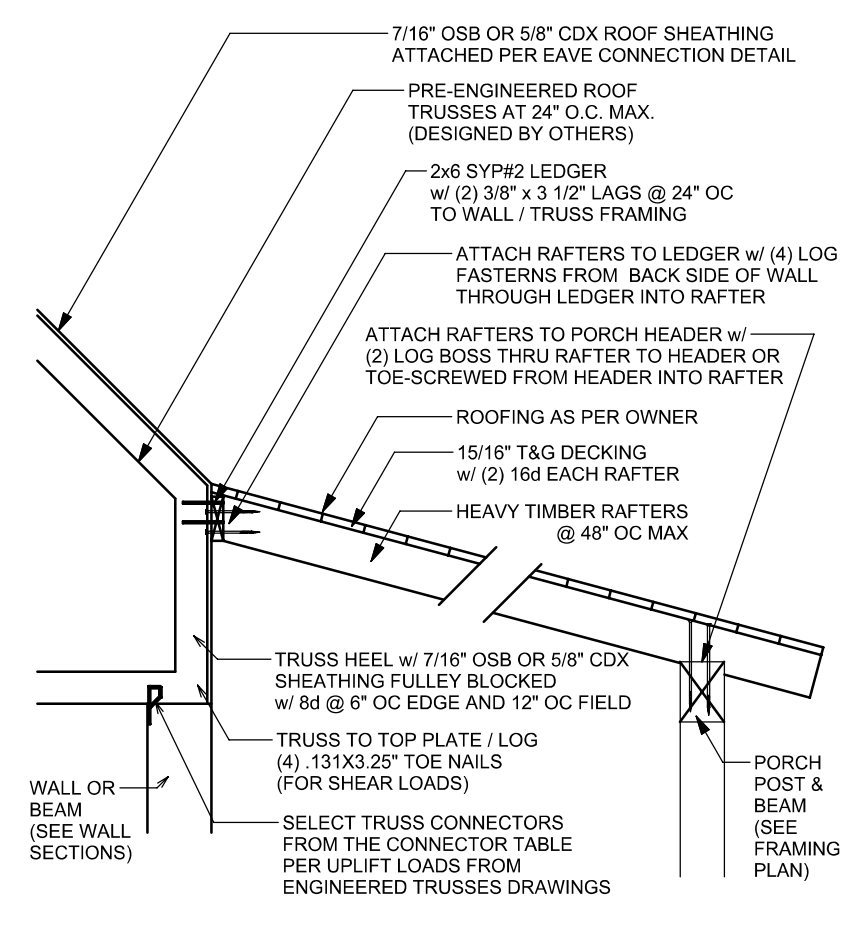
R14 RAFTER TO WALL CONNECTION
BASED ON WFCM TABLE A-3.4



R41 EAVE CONNECTION DETAIL
PRE-ENGINEERED ROOF TRUSSES
SCALE: 1/2" = 1'-0"



R52 RAFTER GABLE END BRACING DETAIL
CONVENTIONALLY FRAMED RAFTERS
SCALE: 1/2" = 1'-0"



R74 TYP. PORCH @ TRUSS HEEL DETAIL
HEAVY TIMBER RAFTERS 8" MAX SPAN

- GENERAL NOTES:**
1. BUILDER / OWNER IS TO VERIFY ALL DIMENSIONS BEFORE BEGINNING CONSTRUCTION.
 2. ALL FRAMING MEMBERS ARE TO BE SYP#2 U.N.O.
 3. ALTHOUGH TRUSSES ARE SHOWN AT 24" OC IT IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER TO DETERMIN TRUSS SPACING AND PLACEMENT.

4. **R22** = SEE DETAIL # SHOWN IN BOX