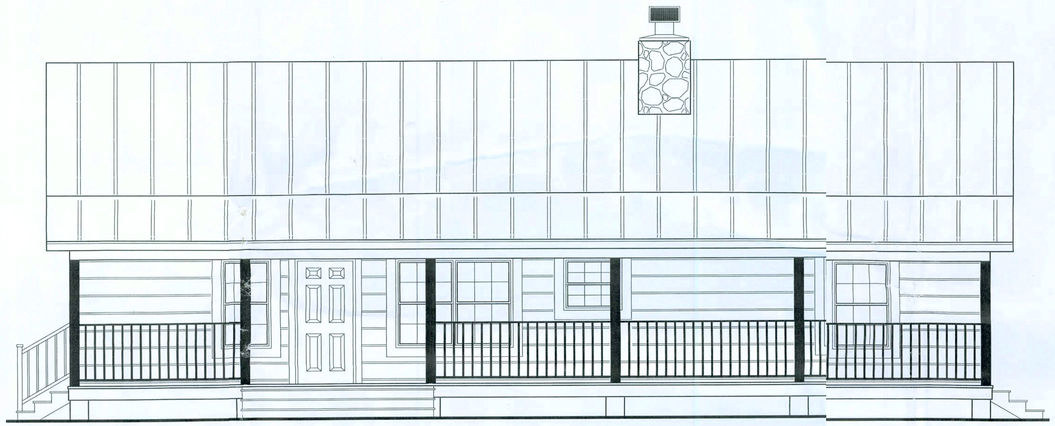
A CUSTOM LOG HOME FOR:

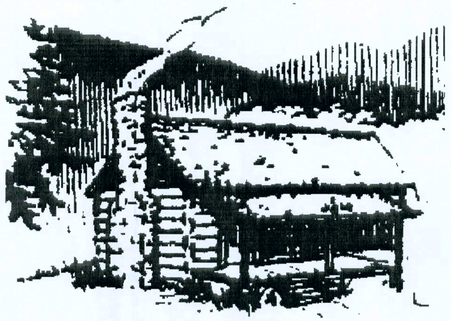
MORRIS BOWLING

PROJECT ADDRESS:
229 SW BLUEGRASS COURT
FORT WHITE, FLORIDA



SHEET INDEX

CRACKER STYLE LOG HOMES



AREA SUMMARY		
LIVING AREA	1700	S.F.
COVERED PORCH AREA	500	S.F.
TOTAL AREA	2,200	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:

BOWLING RESIDENCE
ADDRESS: 229 SW BLUEGRASS COURT, FORT WHITE, FLORIDA

DRAWN BY:

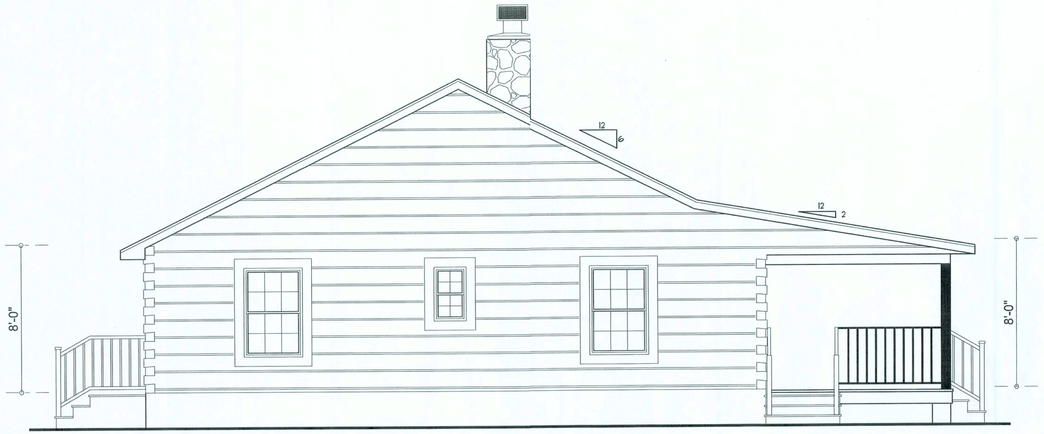
WILLIAM MYERS DESIGN
PO BOX1513, Lake City, FL 32056
will@willmyers.net
(386) 758-8406

PRINTED DATE:
April 07, 2008

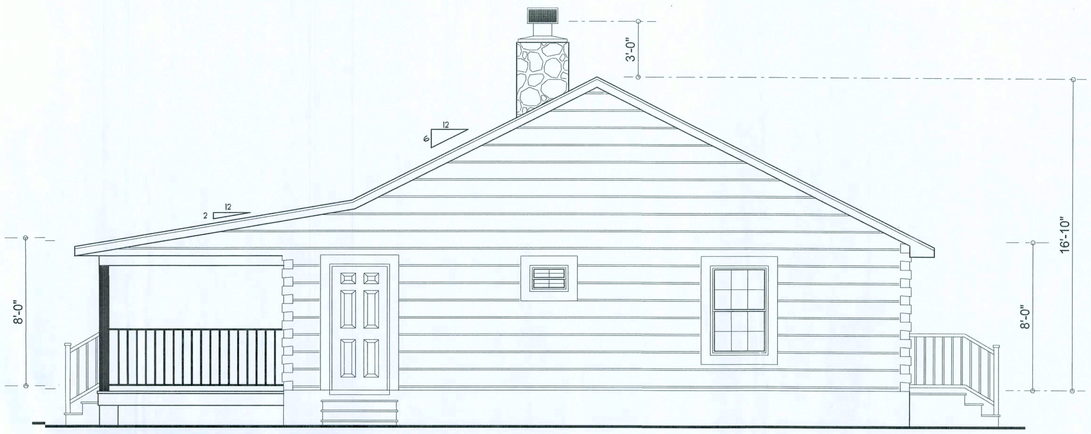
FINALS DATE:	LOG STYLE:
03 / 10 / 2008	6 X 12 CYPRESS

JOB NUMBER:
080207

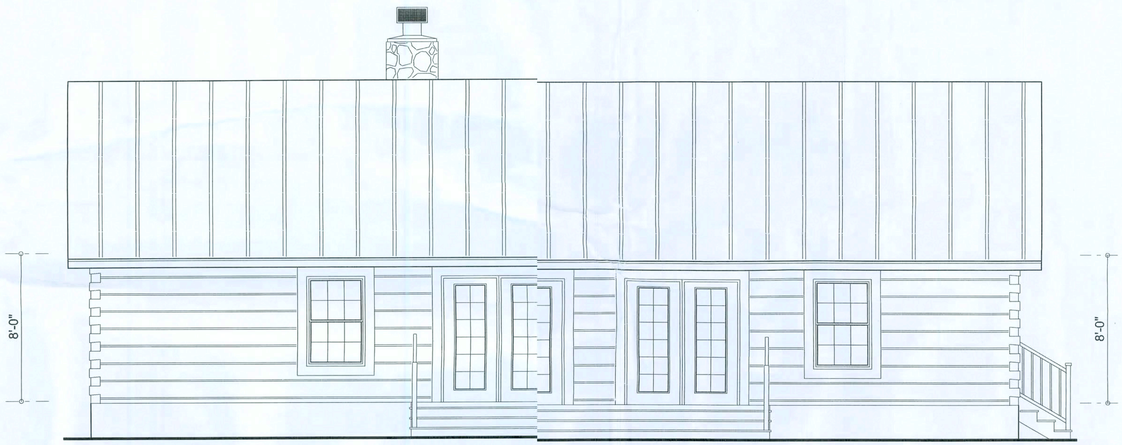
DRAWING NUMBER
COVER
OF 5 SHEETS



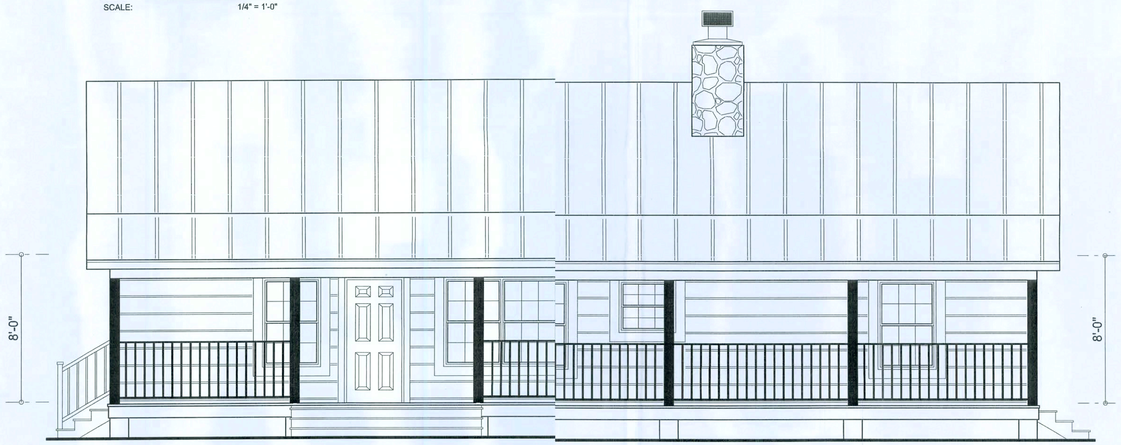
LEFT ELEVATION
SCALE: 1/4" = 1'-0"



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

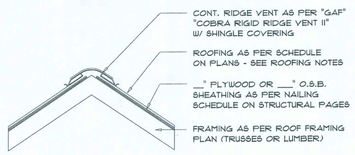


REAR ELEVATION
SCALE: 1/4" = 1'-0"



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

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.



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

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

B

REVSIONS	

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ADDRESS: 229 SW BLUEGRASS COURT, FORT WHITE, FLORIDA

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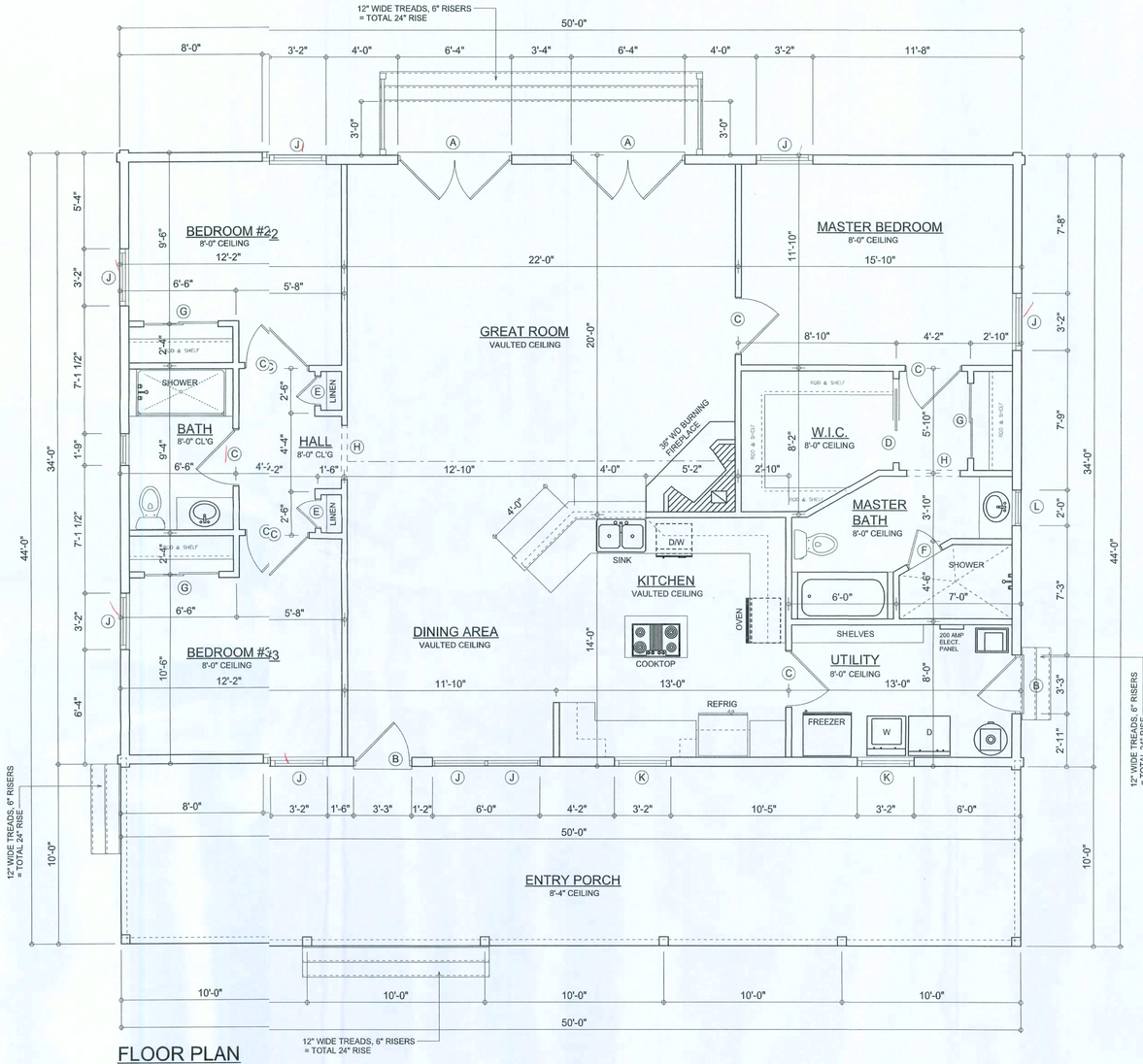
DOOR SCHEDULE

MARK	QUANITY	SIZE WIDTH	SIZE HEIGHT	LOG WALL OPENING WIDTH	LOG WALL OPENING HEIGHT	REMARKS	SWING	STYLE
A	2	6'-0"	6'-8"	6'-3"	6'-9 1/2"	DBL EXTERIOR FRENCH DOOR		
B	2	3'-0"	6'-8"	3'-3"	6'-9 1/2"	EXTERIOR FIBERGLASS THERMOTRU OR EQUAL		
C	6	3'-0"	6'-8"	N/A	N/A	INTERIOR DOOR		
D	1	2'-4"	6'-8"	N/A	N/A	INTERIOR POCKET DOOR		
E	2	1'-6"	6'-8"	N/A	N/A	INTERIOR DOOR		
F	1	2'-0"	6'-8"	N/A	N/A	GLASS SHOWER DOOR		
G	3	4'-0"	6'-8"	N/A	N/A	DBL BI-FOLD DOOR		
H	2	3'-0"	6'-8"	N/A	N/A	CASED OPENING		

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 THEN DOOR ROUGH OPENING (HEAD)

WINDOW SCHEDULE

QTY	MARK	MODEL NO.	FRAME SIZE WIDTH	FRAME SIZE HEIGHT	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT	LOG WALL OPENING WIDTH	LOG WALL OPENING HEIGHT	MATERIAL	MANUFACTURE
5	J	3767	3'-1"	4'-9"	3'-1 3/4"	4'-9 3/4"	3'-4 3/4"	5'-0 3/4"	WOOD INTERIOR VINYL EXTERIOR	PELLA (EGRESS WINDOW)
2	K	3335	2'-9"	2'-11"	2'-9 3/4"	2'-11 3/4"	3'-0 3/4"	3'-2 3/4"	WOOD INTERIOR VINYL EXTERIOR	PELLA
1	L	2517	2'-1"	1'-5"	2'-1 3/4"	1'-5 3/4"	2'-4 3/4"	1'-8 3/4"	WOOD INTERIOR VINYL EXTERIOR	PELLA (HORZ. SLIDER)



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

AREA SUMMARY

LIVING AREA	1,700	S.F.
COVERED PORCH AREA	500	S.F.
TOTAL AREA	2,200	S.F.

REVISIONS

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ADDRESS: 229 SW BLUEGRASS COURT, FORT WHITE, FLORIDA

DRAWN BY:

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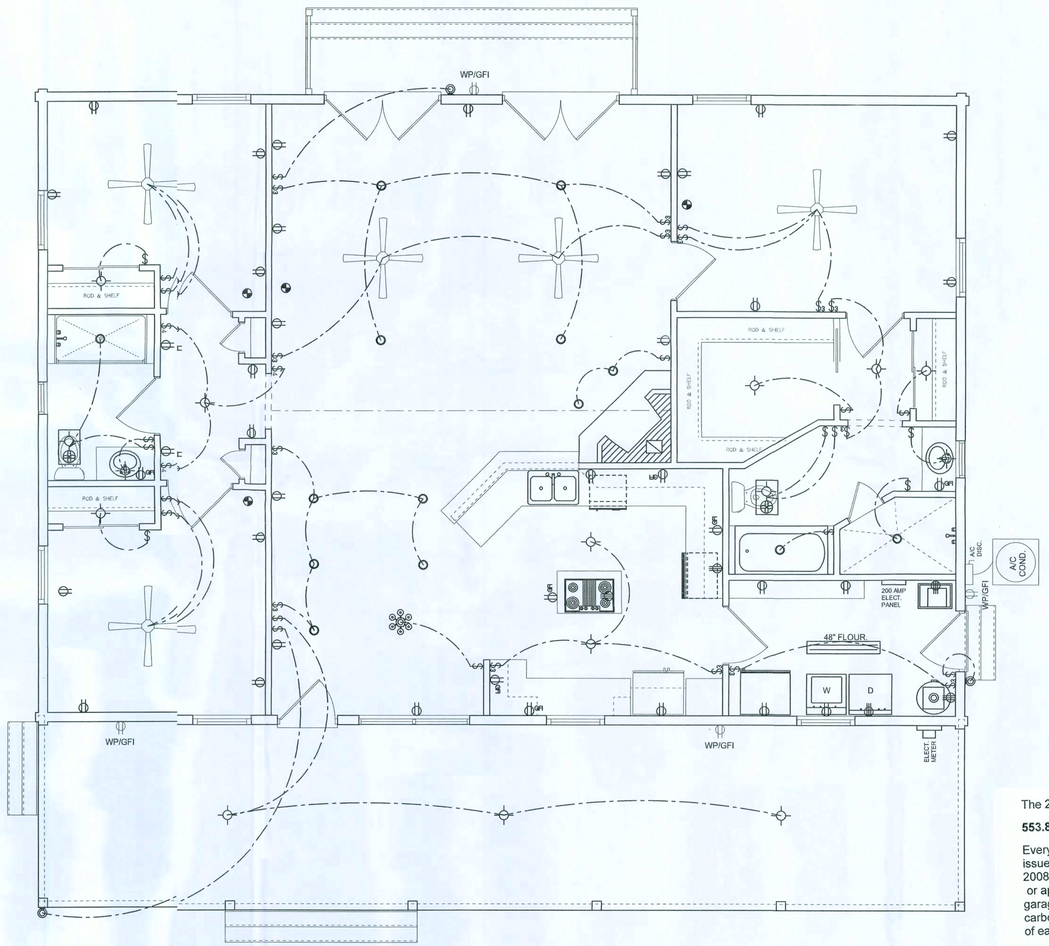
ELECTRICAL LEGEND	
	CEILING FAN (PRE-WIRE FOR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECESSED CAN LIGHT
EF	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET
	220v OUTLET
GFI	GFI DUPLEX OUTLET
TV	TELEVISION JACK
PH	TELEPHONE JACK
	SMOKE DETECTOR (see note below)
$	WALL SWITCH
$3	3 WAY WALL SWITCH
WP/GFI	WATER PROOF GFI OUTLET
48" FLOUR.	2 OR 4 TUB FLUORESCENT FIXTURE

NOTE:
ALL BEDROOM RECEPTACLES SHALL BE AFCI
(ARC FAULT CIRCUIT INTERRUPT)

ALL SMOKE DETECTORS 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 SERVAS A DISCONNECT MEANS. CONDUCTORS USED FROM THE EXTERIOR DISCONNECTIG MEANS TO A PANEL OR SUB PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHIC ONE CONDUCTOR SHALL BE USED AS AN EQUIPMENT GROUND.



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

The 2007 Florida Statutes

553.885 Carbon monoxide alarm required

Every building for which a building permit is issued for new construction on or after July 1, 2008, and having a fossil-fuel-burning heater or appliance, a fireplace, or an attached garage shall have an approved operational carbon monoxide alarm installed within 10 feet of each room used for sleeping purposes.

Combination smoke/carbon monoxide alarms shall be listed or labeled by a Nationally Recognized Test Laboratory.

RE/ISIONS	

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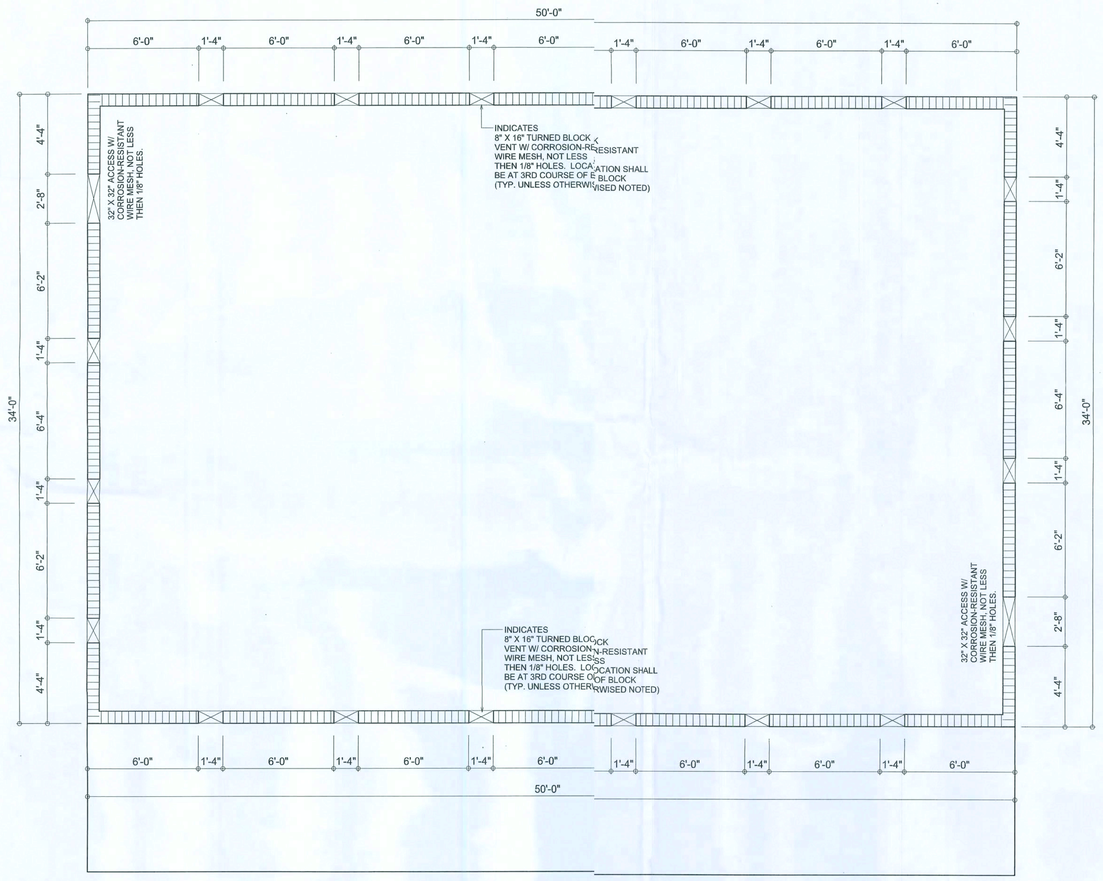

VENTILATION PLAN

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

REVISIONS	

LOG PACKAGE SUPPLIER:

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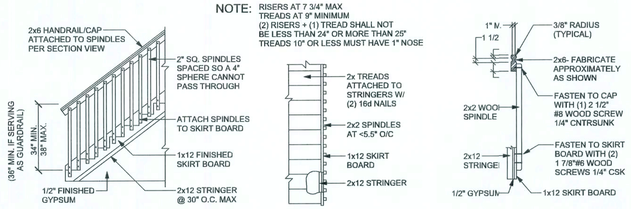
DRAWING NUMBER

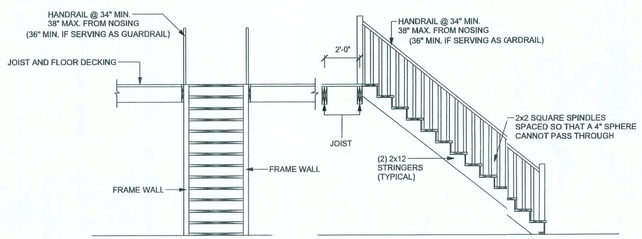
A.4

OI 5 SHEETS

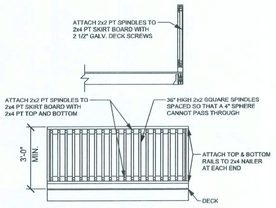
NOTE: RISERS AT 7 3/4" MAX
TREADS AT 9" MINIMUM
(2) RISERS + (1) TREAD SHALL NOT BE LESS THAN 24" OR MORE THAN 25"
TREADS 10" OR LESS MUST HAVE 1" NOSE



ELEVATION VIEW | PLAN VIEW | SETION VIEW



N19 STAIR DETAIL
SCALE: NTS



N7 GUARDRAIL DETAIL
SCALE: NTS

N22 SITE / FOUNDATION NOTES

SITE PREPARATION: SITE ANALYSIS AND PREPARATION INFORMATION IS NOT PART OF THIS PLAN AND IS THE RESPONSIBILITY OF THE OWNER. ALL FOUNDATIONS AND FOOTINGS ARE DESIGNED FOR STABLE SOIL CONDITIONS (SEE CALCULATION FOR REQUIRED BEARING CAPACITY). SITE INSPECTION OF SOIL CONDITIONS SHALL DETERMINE IF THERE IS ANY EVIDENCE OF UNSUITABLE BEARING MATERIALS. QUESTIONABLE MATERIALS PRESENT SHOULD CALL FOR SOILS TEST AND ANALYSIS BY GEOTECHNICAL ENGINEER TO ASSURE THAT EXPANDING CLAYS AND OTHER PROBLEMATIC SOILS CONDITIONS DO NOT EXIST, OR TO ALLOW MITIGATION SHOULD THEY EXIST. ALL FILL UNDER STURCTURAL ELEMENTS SHALL BE CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED IN LIFTS OF NOT MORE THAN 6 IN., LOOSE MEASURE. IT IS THE OWNER'S / BUILDER'S RESPONSIBILITY TO VERIFY EXISTING SOIL AND CLEAN FILL ARE COMPACTED TO 95% OF MAX. DRY DENSITY PER THE MODIFIED PROCTOR TEST TO PROVIDE REQUIRED BEARING CAPACITY.

REQUIRED BEARING CAPACITY:
- Bearing required at typical sternwall footing:
Roof = 22 ft x (16LL + 20DL) = 792 plf
Wall = 4 ft3 x 64 lb x .43 = 111 plf
Floor = 11 ft x (40LL + 20DL) = 660 plf
Footer = 3.67 ft3 x 150 lb = 551 plf
Total est. bearing required = 2114 plf / 2 ft2 = 1057 psf

- Bearing required at typical int. pad footing:
Floor = 11 ft x (40LL + 20DL) x 10 ft = 6600 lb
Footer = 12 ft3 x 150 lb = 1800 lb
Total est. bearing required = 840 lb / 9 ft2 = 933 psf

- Bearing required at typical porch footing:
Roof = 50 ft2 x (16LL + 20DL) = 1800 lb
Floor = 50 ft2 x (40LL + 10DL) = 2500 plf
Footer = 6.34 ft3 x 150 lb = 951 plf
Total est. bearing required = 5251 plf / 4 ft2 = 1313 psf

FOUNDATION: THE OWNER SHALL VERIFY THAT THE CALCULATED BEARING CAPACITY IS ACEPTIBLE BY REVIEWING THE GEOTECHNICAL ENGINEER'S REPORT. FOOTING AND SLABS ARE TO BEAR ON FIRM UNDISTURBED EARTH OR CLEAN SAND / SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED IN LIFTS OF NOT MORE THAN 6 IN., LOOSE MEASURE. WHERE UNACCEPTABLE METERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL. NO FOUNDATION CONCREAT SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. FOOTING SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILIES. TO MINIMIZE WEATHERING, THE LAST 6" OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28-DAYS, F'c = 3000 PSI, WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFACATIONS AS MAY BE REQUIRED BY THE ENGINNEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBRATER, NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF ENGINEER, OWNER OR HIS REPRESENTATIVE.

WELDED WIRE REINFORCED SLAB: 6" x 6" W1.4 x W1.4, FB = 65KSI, WELDED WIRE REINFORCEMENT FABRIC (W.W.M.) CONFORMING TO ASTM A185; LOCATED IN MIDDLE OF THE SLAB; SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT; FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 1.5 POUNDS PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C 1116. SUPPLIER TO PROVIDE ASTM C 1116 CERTIFICATION OF COMPLIANCE WHEN REQUESTED BY BUILDING OFFICAL.

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, FY = 60 KSI. ALL LAP SPLICES 40 * DB (25" FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-99, U.N.O. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 23".

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT WWM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

CONCREAT BLOCK: ASTM C-90 WITH MEDIUM SURFACE FINISH, F'm = 1500 PSI

MORTAR: TYPE M OR N FOR ALL MASONRY UNITS.

ANCHOR BOLTS: A-307 ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BUT NO LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR 15" IN GROUTED CMU.

WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 9/64"; WITH 5/8" BOLTS TO BE 3" x 3" x 9/64", WITH 3/4" BOLTS TO BE 3" x 3" x 9/64"; WITH 7/8" BOLTS TO BE 3" x 3" x 5/16"; UNO.

N21 STRUCTURAL DESIGN NOTES

STRUCTURAL CONNECTORS: MANUFACTURE/AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, AND REINFORCEMENT ARE LISTED FOR EXAME NOT ENDORSEMENT; AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLES AS LONG AS IT MEETS THE REQUIRECAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIE RATED LOADS. ALL CONNECTIONS EXPOSED DIRECTLY TO THE WEATHER SHALL BE HOT DIPPED GALNIZED AFTER FABRICATION.

NAILS: ALL NAILS ARE COMMON NAILS UNLESDTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VAES.

LOG WALLS: ALL LOG WALLS ARE MILLED LO WITH FLAT STACKING SURFACES. EACH COURSE IS ATTACHED TO THE COURSE BELOW WITH LOIASTENERS. FASTENER SPACING IS BASED ON REQUIRED PULLOUT STRENGTH FOR WIND UPLIFT AND RQUIRED SHEAR STRENGHT FOR LATERAL WIND LOADS.

INTERIOR STUD WALLS: ALL INTERIOR STUD VLS ARE NON-LOAD BEARING; UNO. ROOF LOADS TO BE CARRIED ON LOG WALLS OR ROOF BEAMS W/ INTERIOR SUPPORT COLUMNS; UNO. BEARING WALL STUDS TO BE SPF#2; UNO. NON-LOAD BEARINWALL STUDS MAY BE SPF STUD GRADE. ALL PLATES NOT PROTECTED FROM MOISTUR'D BE SYP#2 PT.

EXTERIOR STUD WALLS: ALL EXTERIOR STUDALLS ARE LOAD BEARING SHEAR WALLS WITH SPF#2 STUDS, SYP#2 PT BOTTOM PLATE, SPF#2 DOUE TOP PLATE WITH 10-16d NAILS PER LAP SPLICE. SP4, 6-16d "U" STRAP TOP AND BOTTOM AT 48"C UNO; 7/16" OSB OR 5/8" CDX SHEATHING, WITH PANEL EDGES FULLY BLOCKED, FASTENED WITH 8d @MOM NAILS, SPACING 6" OC PANEL EDGES, 12" OC INTERMEDIATE FRAMING MEMBERS; UNO.

GLULAM BEAMS: GLULAM BEAM, GLB, 24F-V3; Fb = 2.4ksi, E = 1800ksi; UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES I MAY SUBMIT THEIR OWN SIZING

ROOF SEATHING: ALL ROOFS ARE HORIZONT DIAPHRAGMS; 7/16" OSB OR 5/8" CDX SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES, STAGGERED, FASTENED WITH COMMON NAILS (.131), 8"OC PANEL EDGES 6"OC INTERMEDIATE MEMBERS, 4" OC GABLEIDS AND DIAPHRAGM BOUNDARY; UNO.

TRUSSES: TRUSSES SHALL BE DESIGNED BY FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. TRUSS ENGINEERING SHALL INCLE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINRING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEXD BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY VERIFY THE SSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONCTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WLLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSSEACTIONS ON THE BUILDING STRUCTURE.

ROOF VENTILATION: ROOF VENTILATION IS TOSET OR EXCEED FLORIDA BUILDING CODE RES.

FLASHING: BUILDER IS TO PROVIDE FLASHINO MEET LOCAL CODE REQUIRMENTS AND INSTALLED IN A WORKMANLIKE MANNER TO PREVENT ANOSSIBILITY OF MOISTURE DAMAGE, TOXIC MOLD, OR ANY OTHER DETRIMENTAL EFFECT. ALSO ALLOW FLASHING MANUFACTURER'S DATA SHEET AND SMACNA LITERATURE AND STANDARDS.

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION R301 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN TRUSS ENGINEERING SUBMITTED TO THE WIND LOAD ENGINEER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE COMPLETE ROOF SYSTEM DESIGN SUBMITTED BY THE TRUSS MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FBC 2004 REQUIRED LOADS AND ANY SPECIAL LOADS. THE BUILDER IS RESPONSIBLE TO REVIEW EACH INDIVIDUAL TRUSS MEMBER AND THE TRUSS ROOF SYSTEM AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL BRACING. THE BUILDER SHOULD USE CARE CHECKING THE ROOF DESIGN BECAUSE THE WIND LOAD ENGINEER IS SPECIFICALLY NOT RESPONSIBLE FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE TRUSS MANUFACTURER AND THE TRUSS DESIGNER ALSO DENIES RESPONSIBILITY FOR THE LAYOUT PER NOTES ON THEIR SEALED TRUSS SHEETS.

BUILDER'S RESPONSIBILITY

THE BUILDER AND OWNER ARE RESPONSIBLE FOR THE FOLLOWING, WHICH ARE SPECIFICALLY NOT PART OF THE WIND LOAD ENGINEER'S SCOPE OF WORK.

CONFIRM SITE CONDITIONS, FOUNDATION BEARING CAPACITY, GRADE AND BACKFILL HEIGHT, WIND SPEED AND DEBRIS ZONE, AND FLOOD ZONE.

PROVIDE MATERIALS AND CONSTRUCTION TECHNIQUES, WHICH COMPLY WITH FBC RESIDENTIAL 2004 REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES.

PROVIDE A CONTINUOUS LOAD PATH FROM ROOF SYSTEM TO FOUNDATION. IF YOU BELIEVE THE PLAN OMITS A CONTINUOUS LOAD PATH CONNECTION, CALL THE WIND LOAD ENGINEER IMMEDIATELY.

VERIFY THE TRUSS MANUFACTURER'S SEALED ENGINEERING INCLUDES TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS.

GRADE & SPECIES TABLE

		Fb (psi)	E (10^6 psi)
2x8	SYP #2	1200	1.6
2x10	SYP #2	1050	1.6
2x12	SYP #2	975	1.6
GLB	24F-V3 SP	2400	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	1600	1.9
PSL	PARALAM	2900	2.0

TALL STEM WALL TABLE (SLAB ON GRADE)

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

STEMWALL HEIGHT (FEET)	UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)			VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (INCHES O.C.)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

N12 LOG BOSS FASTENER DATA

LOG BOSS FASTENERS ARE SELF DRILLING, HIGH STRENGTH, STEEL WOOD SCREWS WITH TRU-KOTE COATING THAT EXCEEDS FMA470 CORROSION STANDARDS
MANUFACTURED BY PERMA-CHINK SYSTEMS, INC.
SHANK DIAMETER = 0.213", THEAD DIAMETER = 0.290", THREAD LENGTH = 3.0"
LOG BOSS ARE AVAILABLE IN LENGTHS OF 6", 8", 10", 12", 14" & 16"
SCREWS IN LOG WALL ARE TO HAVE A MIN. PENETRATION OF 3" INTO LOWER LOG
SELECT A THE FASTENER LENGTH ACCORDINGLY (COUNTER SINK IF NECESSARY)

LOG BOSS FASTENERS ARE LISTED FOR EXAMPLE NOT ENDORSEMENT.
AN EQUIVALENT FASTENER OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS. LISTED LOADS HAVE BEEN INCREASED FOR WIND DURATION, AND MUST BE ADJESTED FOR OTHER DURATIONS OR SPECIES

LOG BOSS FASTENERS DESIGN VALUE
VALUE ARE IN POUNDS

WOOD SPECIES (.00SG = SPECIFIC GRAVITY)	SHINGLE SHEAR DESIGN VALUE	WITHDRAWAL DESIGN VALUE
SOUTHER YELLOW PINE .55 SG	296	1248
CYPRESS .46 SG	251	955
SPRUCE - PINE - FIR .42 SG	231	830

- ALLOWABLE WITHDRAWAL STRENGTH IS BASED ON NDS2001
TABLE 11.2A 1/4" LAG SCREW VALUE x .3" THREAD x 1.6 WIND LOAD DURATION FACTOR
EXAMPLE FOR SYP .55SG (**260LB x 3" x 1.6 = 1248** WITHDRAWAL DESIGN VALUE)

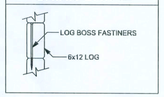
- ALLOWABLE SINGLE SHEAR RESISTANCE IS AS LISTED IN PERMA-CHINKS PUBLICATION BASED ON NDS DESIGN VALUE FOR 3.5" SIDE MEMBER THICKNES

N23 CONNECTOR TABLE

UPLIFT LBS.	TRUSS CONNECTOR	TO PLATES	TO RAFTER
455	H3	4-8d	4-8d
535	H2.5A	5-8d	5-8d
990	H10	8-8d, 1 1/2"	8-8d, 1 1/2"
1470	H16	10-10d, 1 1/2"	2-10d, 1 1/2"
3965	MGT	5/8" THD. ROD	22-10d
UPLIFT LBS.	STRAP CONNECTOR	TO ONE MEMBER	TO OTHER MEMBER
885	SP4	6-10d, 1 1/2"	N/A
1030	CS20	9-8d OR 7-10d	9-8d OR 7-10d
1235	LSTA21	8-10d	8-10d
1240	SPH4	10-10d, 1 1/2"	N/A
1705	CS16	13-8d OR 11-10d	13-8d OR 11-10d
UPLIFT LBS.	COLUMN ANCHOR	TO COLUMN	TO FOUNDATION
1350	LTT19	8-16 sinkers	5/8" x 16" AB
2310	LTTI31	18-10d, 1 1/2"	5/8" x 16" AB
2775	HD2A	2-5/8" bolts	5/8" x 16" AB
4175	HTT16	18-16d	5/8" x 16" AB
720	ABA66	8-16d	5/8" x 16" AB
2300	ABU66	12-16d	5/8" x 16" AB

NOTE: ALL CONNECTORS ARE SIMPSON, UNO USE FASTENERS SPECIFIED IN THIS TABLE. UNO MANUFACTURER AND PRODUCT NUMBERS FOR CONNECTORES, ANCHOR, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLE AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURERS INSTALLATION INSTRUCTIONS MUST BE FOLLOWED OT ACHIEVE RATED LOADS. ALL CONNECTIONS EXPOSED DIRECTLY TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. LISTED LOADS ARE FOR SYP, 0.55 S.G. AND HAVE BEEN INCREASED FOR WIND DURATION, UNO, AND MUST BE ADJESTED FOR OTHER SPECIES OR DURATION. STRAP CONNECTOR CAPACITY MAY BE REDUCED PROPORTIONALLY TO NUMBER OF FASTENERS.

6x12 CYPRESS LOG DOVETAIL CORNERS CHINK GROVE



EXTERIOR WALL STUD TABLE FOR SPF #2 STUDS

(1) 2x4 @ 16" OC	TO 11'-9" WALL HEIGHT
(1) 2x4 @ 12" OC	TO 13'-0" WALL HEIGHT
(1) 2x6 @ 16" OC	TO 18'-10" WALL HEIGHT
(1) 2x6 @ 12" OC	TO 20'-0" WALL HEIGHT

N24 DESIGN DATA (110 MPH WIND SPEED)

WIND LOADS PER FLORIDA BUILDING CODE RESIDENTIAL 2004, SEC. R301.2.1

(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT NOT EXCEEDING LEAST HORIZONTAL DIMENSION OR 60 FT; NOT ON UPPER HALF OF HILL OR ESCARPMENT 60FT IN EXP. B, 30FT IN EXP. C AND >10% SLOPE AND UNOBSTRUCTED UPWIND FOR 50x HEIGHT OR 1 MILE WHICHEVER IS LESS.)

BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE

BUILDING IS NOT IN THE WIND-BORNE DEBRIS REGION

1.) BASIC WIND SPEED = 110 MPH

2.) WIND EXPOSURE = B

3.) WIND IMPORTANCE FACTOR = 1.0

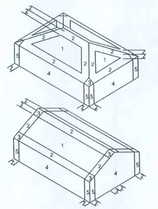
4.) BUILDING CATEGORY = II

5.) ROOF ANGLE = 10-45 DEGREES

6.) MEAN ROOF HEIGHT = <30 FT

7.) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING)

8.) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (FBCR TABLE R301.2 (2))



Zone	Effective Wind Area (ft2)			
	10		100	
1	19.9	-21.8	18.1	-18.1
2	19.9	-42.1	18.1	-29.1
2 O'hg		-40.6		-40.6
3	19.9	-42.1	18.1	-29.1
3 O'hg		-68.3		-42.4
4	21.8	-23.6	18.5	-20.4
5	21.8	-29.1	18.5	-22.6
Doors & Windows Worst Case (Zone 5, 10 ft2)	21.8	-29.1		

DESIGN LOADS

FLOOR	40 PSF (ALL OTHER DWELLING ROOMS)
	30 PSF (SLEEPING ROOMS)
	30 PSF (ATTICS WITH STORAGE)
	10 PSF (ATTICS WITHOUT STORAGE, <3:12)
ROOF	20 PSF (FLAT OR <4:12)
	16 PSF (4:12 TO <12:12)
	12 PSF (12:12 AND GREATER)
STAIRS	40 PSF (ONE & TWO FAMILY DWELLINGS)
SOIL BEARING CAPACITY	2000PSF
NOT IN FLOOD ZONE (BUILDER TO VERIFY)	

REVISIONS

LOG PACKAGE SUPPLIER:

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LIMITATION: This design is valid to one building at specified location. In case of conflict, structural requirements, scope of wrk, and builder responsibilities on sheet S1 ontrol.

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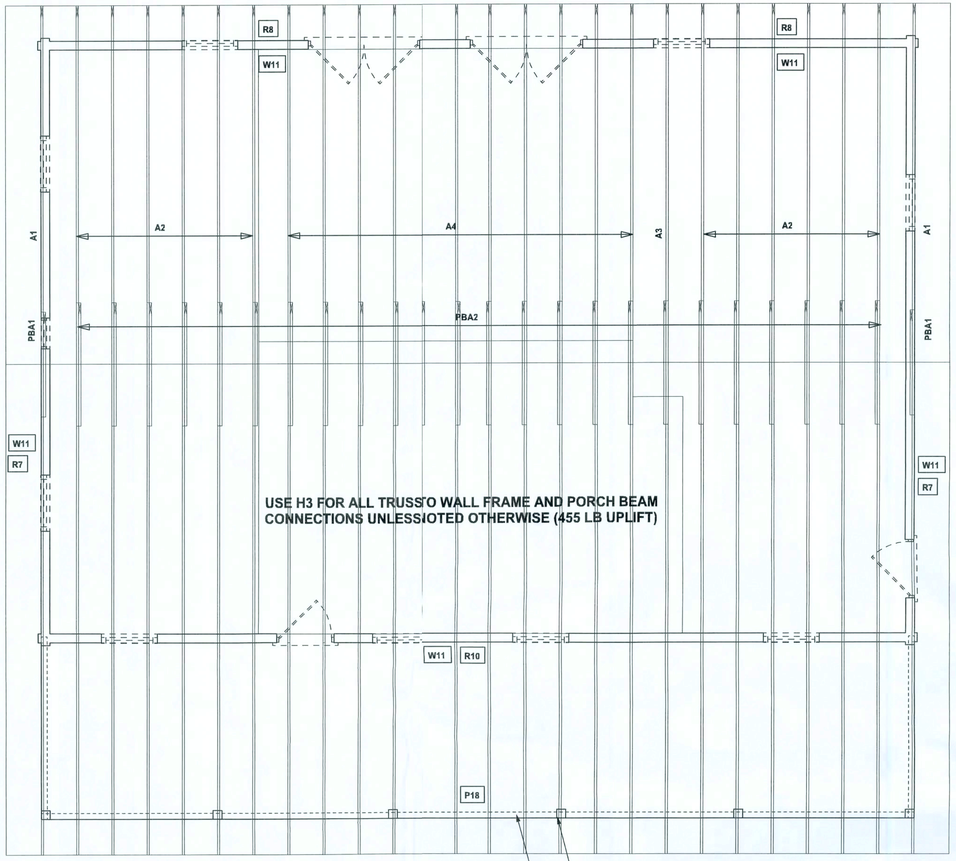
PRINTED DATE:
June 09, 2008

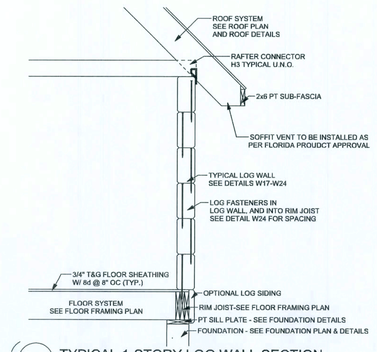
FINALS DATE:
Mar. 10, 2008

JOB NUMBER:
802293

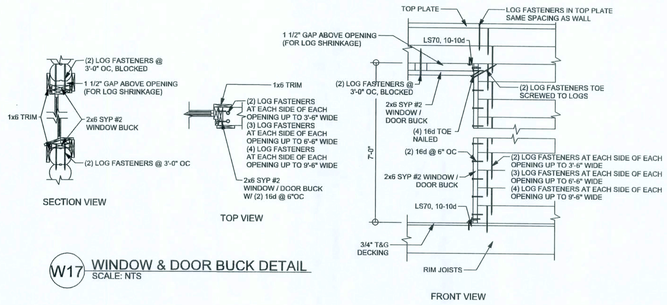
DRAWING NUMBER
S1
OF 3 SHEETS



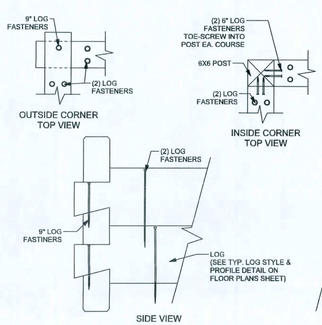
STRUCTRAL / ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



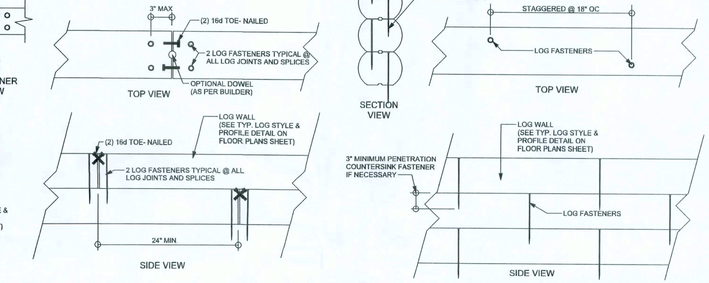
W11 TYPICAL 1-STORY LOG WALL SECTION
SCALE: 1/2" = 1'-0"



W17 WINDOW & DOOR BUCK DETAIL
SCALE: NTS

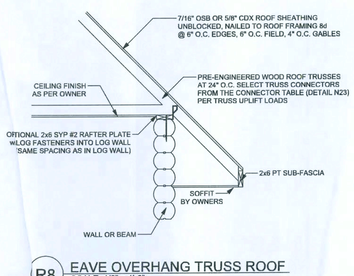


W22 TYPICAL DOVETAIL CORNER DETAIL
SCALE: NTS

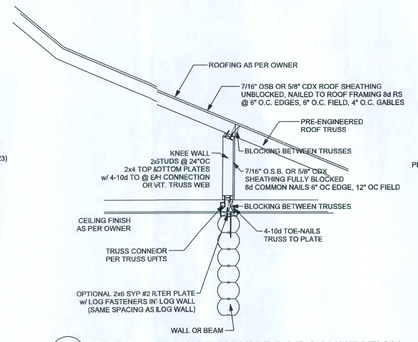


W23 LOG WALL JOINT & SPLICE DETAIL
SCALE: NTS

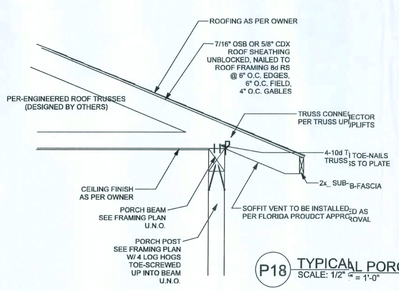
W24 TYPICAL LOG WALL / FASTENER PLACEMENT
SCALE: NTS



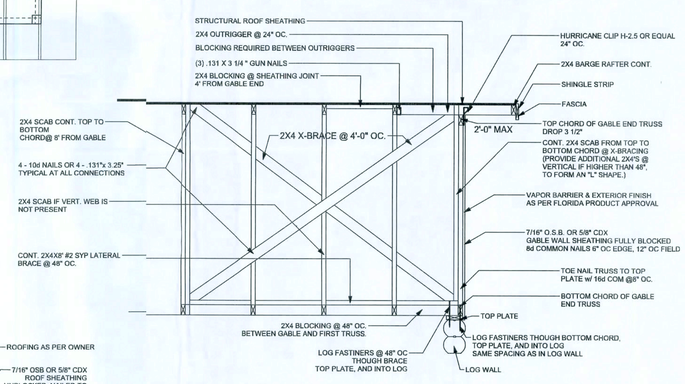
R8 EAVE OVERHANG TRUSS ROOF
SCALE: 1/2" = 1'-0"



R10 TYP. PORCH ROOF / MAIN ROOF CONNECTION
SCALE: 1/2" = 1'-0"



P18 TYPICAL PORCH ROOF / BEAM CONNECTION
SCALE: 1/2" = 1'-0"



R7 TYPICAL TRUSS GABLE END (FLAT CEILING)
SCALE: 1/2" = 1'-0"

CONNECTIONS, WALL, & HEADER DESIGN IS BASED ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING FURNISHED BY BUILDER. ANDERSON TRUSS CO. (JOB #5274)

Valleys Flashing (As per FBC R905.2.8.2)
Valley linings shall be installed in accordance with manufacturer's installation instructions before applying shingles. Valley linings of the following types shall be permitted:
1. For open valley (valley lining exposed) lined with metal, the valley lining shall be at least 24 inches (610 mm) wide and of any of the corrosion-resistant metals in Table R903.1.
2. For open valleys, valley lining of two plies of mineral surface roll roofing, complying with ASTM D 249, shall be permitted. The bottom layer shall be 18 inches (457 mm) and the top layer a minimum of 36 inches (914 mm) wide.
3. For closed valleys (valley covered with shingles), valley lining of one ply of smooth roll roofing complying with ASTM D 224 Type II or Type III and at least 36 inches (914 mm) wide or valley lining as described in Items 1 and 2 above shall be permitted. Specialty underlayment complying with ASTM D 1970 may be used in lieu of the lining material.

Table R903.1. (metal flashing material)
Copper = 1lbs per sq ft
Aluminum = .024" min. thinckness
Stainless Steel = 28 gage
Galvanized Steel = .0179" min. thickness / 26 gage (zinc coated G90)
Aluminum Zink Costed Steel = .0179" min. thickness / 26 gage (AZ50 Alum Zinc)
Zinc Alloy = .027" min. thickness
Lead = 2.5lbs per sq ft
Painted Terne = 1.25lbs per sq ft

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

SHEAR WALL REQUIREMENTS

	REQUIRED	ACTUAL
TRANSVERSE	11350 lb.	13052 lb.
LONGITUDINAL	6028 lb.	18574 lb.

ACTUAL SHEAR WALL CAPACITY (FOR LOG WALLS) IS THE TOTAL CAPACITY OF LOG BOSS [TOTAL CAPACITY = # OF LOG BOSS x LOG BOSS SHEAR CAPACITY]
TO CALCULATE THE TOTAL # OF LOG BOSS DIVIDE THE WALL LENGTH BY LOG BOSS SPACING AND ADD 3 LOG HOGS IN FOR EACH CORNER
(ALL LOG WALLS ARE SHEAR WALLS)

ACTUAL SHEAR WALL CAPACITY (FOR FRAMED WALLS) IS THE TOTAL LENGTH OF ALL WALL SEGMENTS WITH FULL HEIGHT SHEATHING AND A WIDTH TO HEIGHT RATIO GREATER THAN 1: 3.5 TIMES ALLOWABLE SHEAR CAPACITY WITH TABLE 3.1TE ADJUSTMENT FROM WFCM-2001 (PLUS SPECIAL SHEAR WALL SEGMENTS IF NOTED) (ALLOWABLE SHEAR CAPACITY= 436 PLF FOR FULLY BLOCKED 7/16" OSB W/ 8d AT 6" OC EDGE, 12" OC FIELD AND UNBLOCKED 1/2" GYP BOARD W/ 5d COOLER NAILS 7" OC EDGE, 10" OC FIELD)
(ALL EXTERIOR FRAMED WALLS ARE TYPE II SHEAR WALLS)

REQUIRED SHEAR WALL CAPACITY IS FROM WFCM-2001, TABLE 2.5a & 2.5b
(OR EQUIVALENT CALCULATION)

REVISIONS

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21 MAR 08
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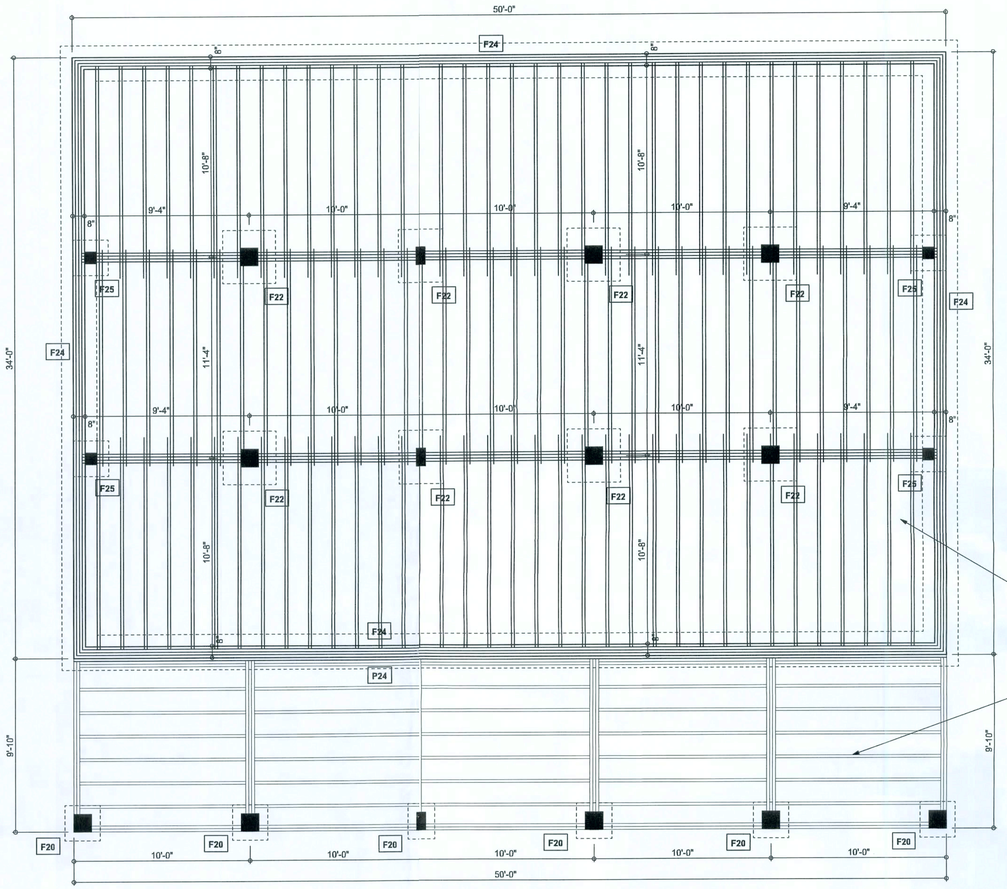
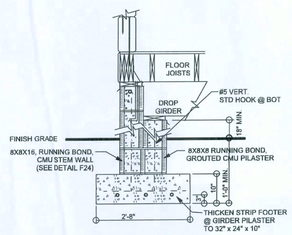
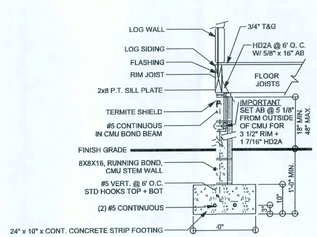


FOUNDATION / FLOOR FRAMING PLAN

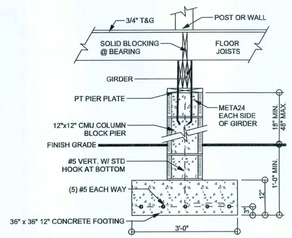
SCALE: 1/4" = 1"



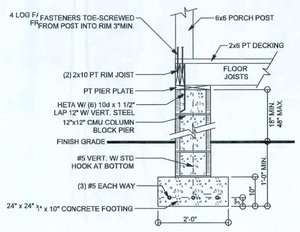
F25 PILASTER @ GIRDER BEARING
SCALE: 1/2" = 1'-0"



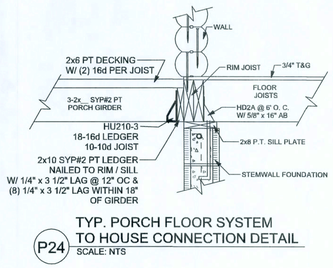
F24 STEMWALL FOUNDATION (CRAWLSPACE)
SCALE: 1/2" = 1'-0"



F22 1' PIER WITHOUT UPLIFT
SCALE: 1/2" = 1'-0"



F20 1' PORCH PIER WITH UPLIFT
SCALE: 1/2" = 1'-0"



P24 TYP. PORCH FLOOR SYSTEM TO HOUSE CONNECTION DETAIL
SCALE: NTS

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	

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S-3

OF 3 SHEETS