

SHEET NUMBER  
**A.1**  
OF 4 SHEETS

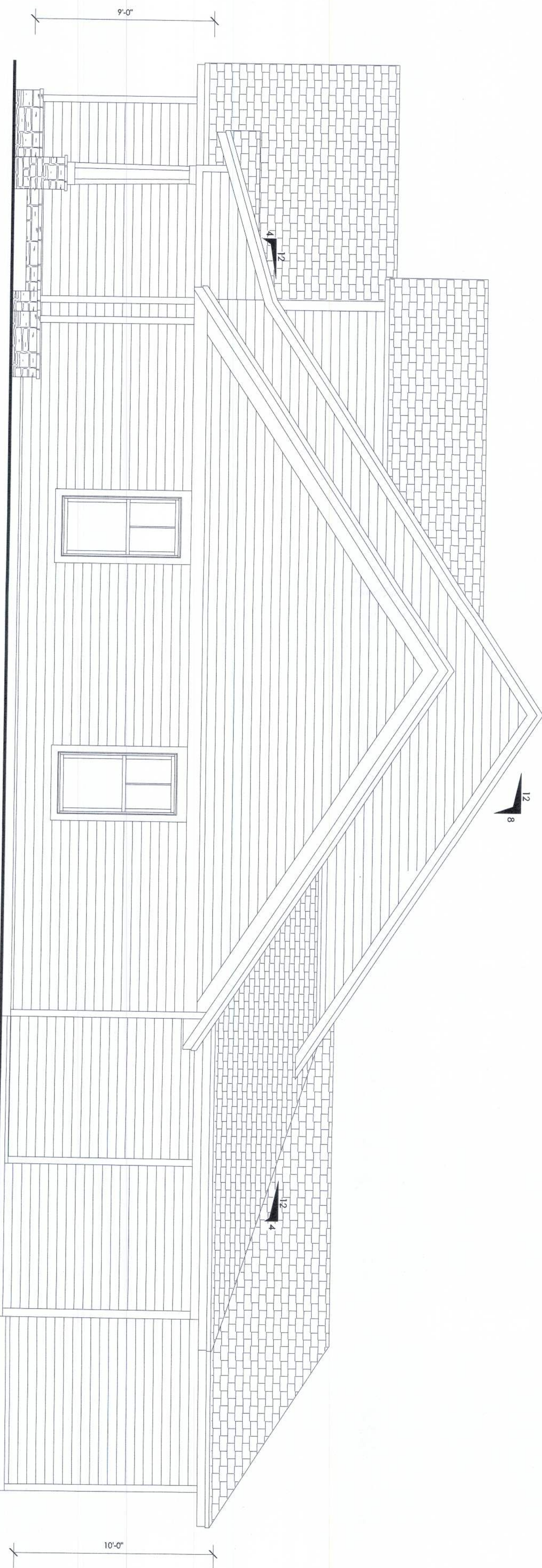
**RIDGEPOINT DESIGN, INC**  
496 SW RING CT, LAKE CITY, FLORIDA 32025  
P: 386-288-1188  
E: RIDGEPOINTDESIGN@GMAIL.COM

THE BRISTOL MODEL FL FOR:  
**AARON & SIMQUE HOMES, INC**  
LOT 112, THE PRESERVES, LAKE CITY, FL 32024

REVISIONS SCHEDULE	
FEB 20th, 2017	ORIGINAL DRAWINGS



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

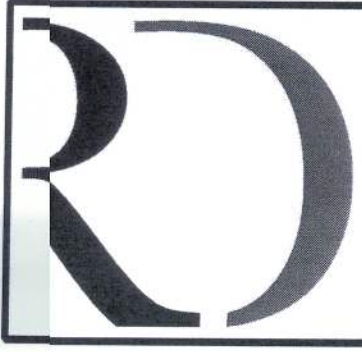


LEFT ELEVATION  
SCALE: 1/4" = 1'-0"



REVISIONS SCHEDULE	
FEB 20th, 2017	ORIGINAL DRAWINGS

SHEET NUMBER  
**A.2**  
OF 4 SHEETS



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LOT 112, THE PRESERVES, LAKE CITY, FL 32024



1st FLOOR AREA	2,186	S.F.
2nd FLOOR AREA	933	S.F.
ENTRY PORCH	171	S.F.
REAR COVERED PORCH	459	S.F.
GARAGE	585	S.F.
TOTAL AREA	4,334	S.F.

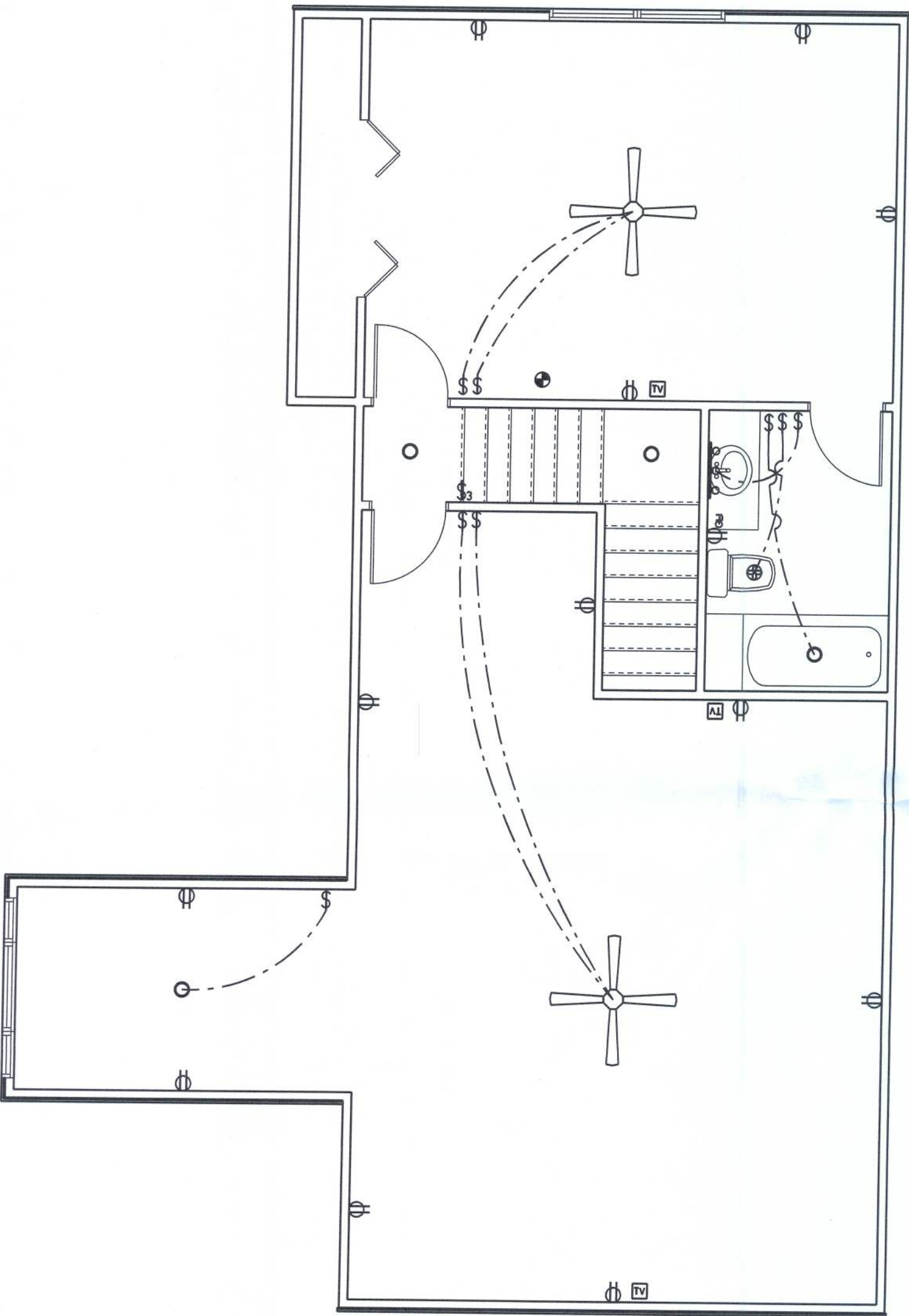
$$\overline{1/4^\circ = 1'.0''}$$




ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
ceiling fan 4 bladed 01	6	
ceiling light 17	3	
fluorescent light 1 x 4	2	
pendant cube	3	
pot light	44	
exterior light 02	2	
spotlight double	3	
cable tv outlet	7	
fan	3	
light	2	
outlet	43	
outlet 220v	5	
outlet gfi	13	
outlet wp	4	
smoke detector	6	
switch	33	
switch 3 way	22	
vanity bar light 02	4	

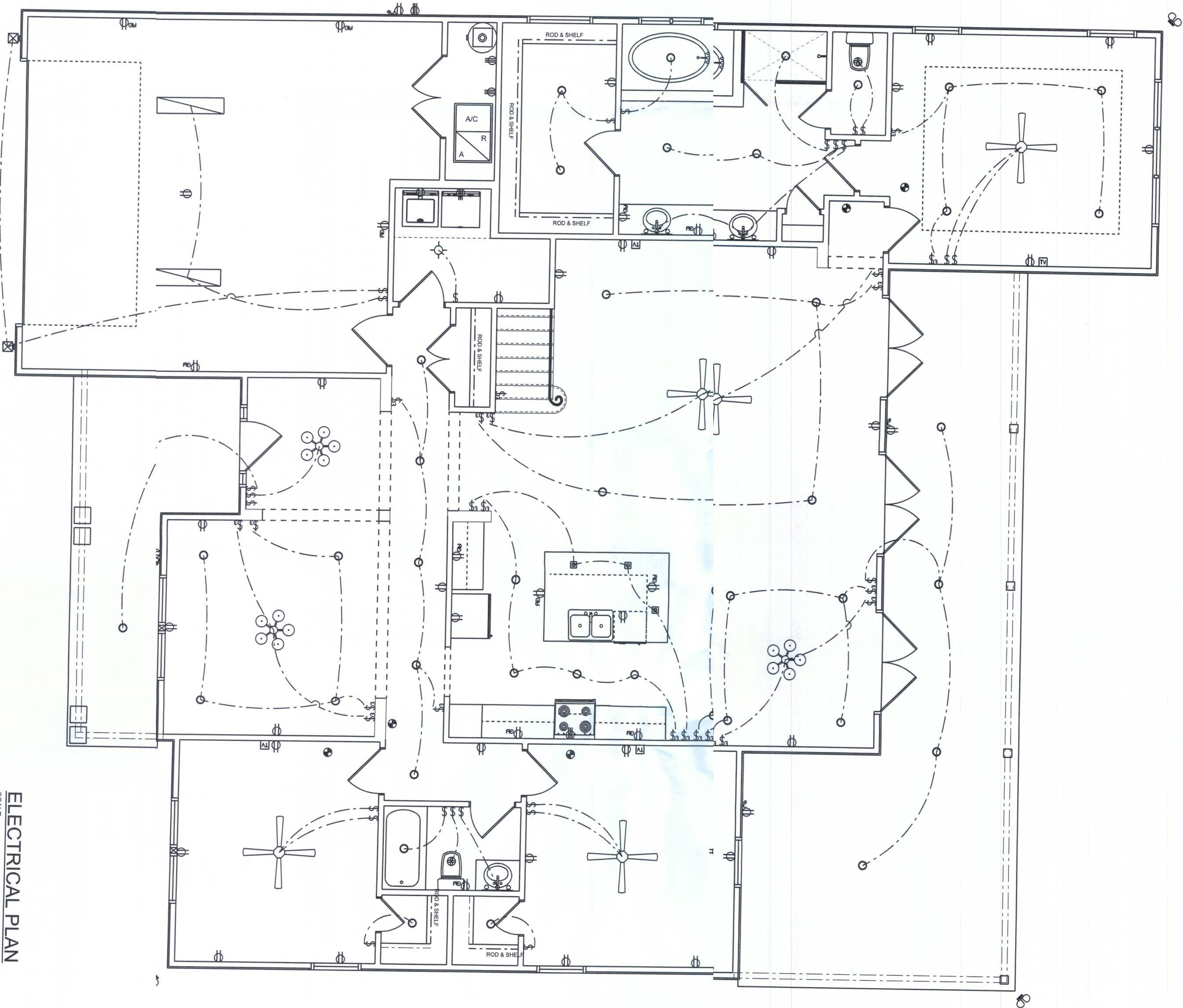
NOTE:  
ALL BEDROOM, OFFICE, LIVING, GAME & DINING RECEPTACLES SHALL BE AFCI  
(AND FAULT SENSITIVE INTERRUPTER)  
ALL SMOKE DETECTORS SHALL HAVE BATTERY BACKUP POWER  
AND SMOKE DETECTORS SHALL BE ACTIVATED BY ANY ONE UNIT IS ACTIVATED THEY  
ALL ACTIVATE

NOTE:  
EFCI grounding required per N.E.C.  
AFCI required per N.E.C.  
GFCI breakers required per N.E.C.  
Transfer switches required per N.E.C.



SECOND FLOOR ELECTRICAL

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



ELECTRICAL PLAN

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

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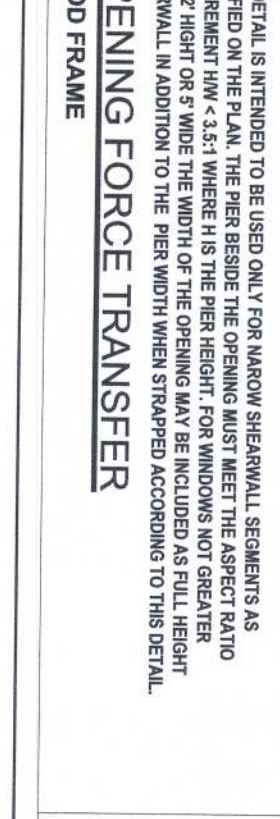
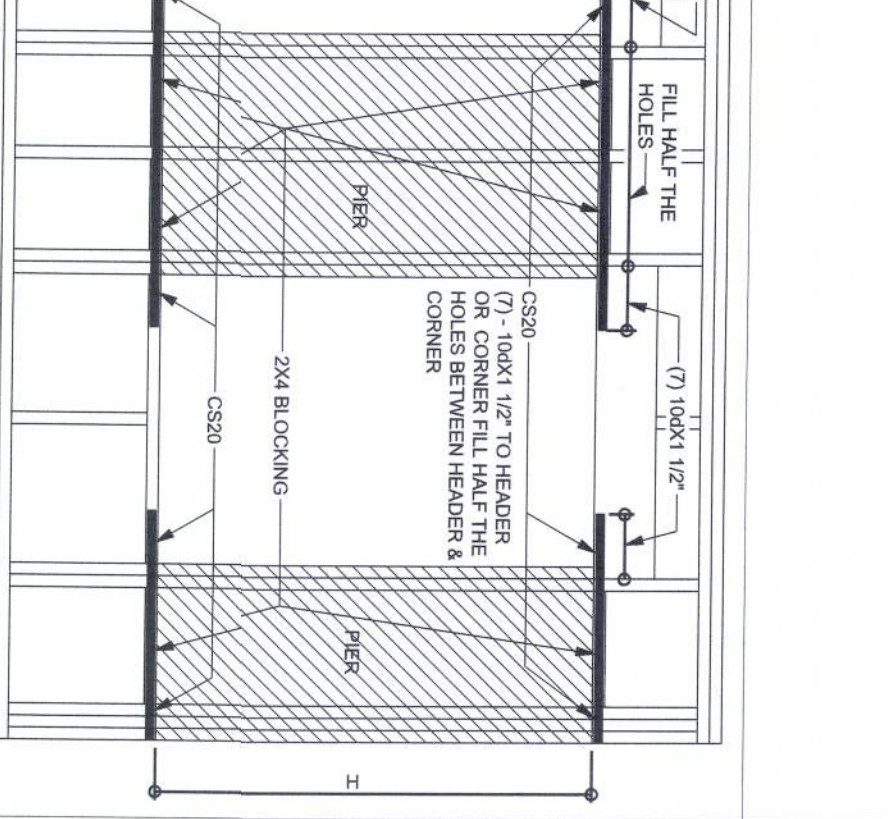
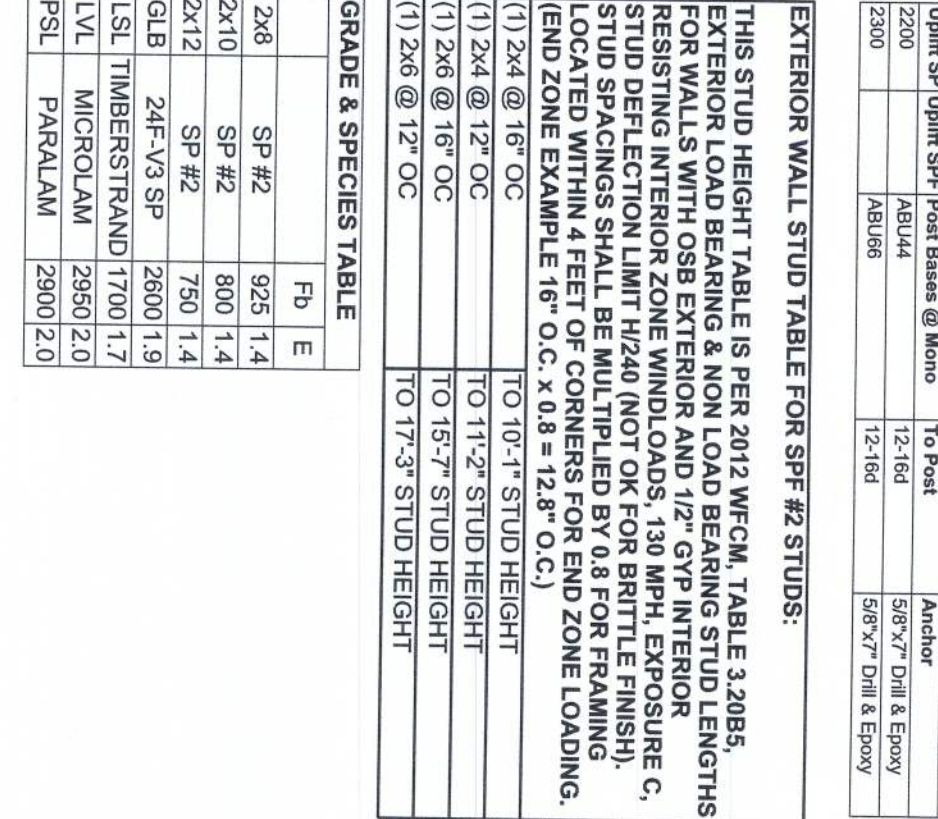
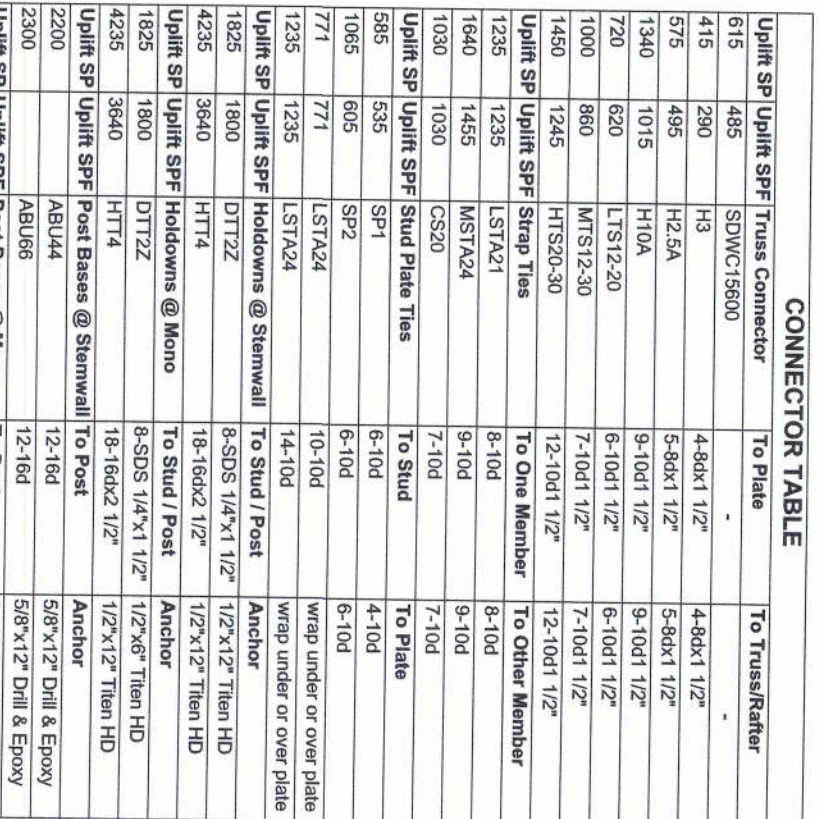
THE BRISTOL MODEL FOR:

**AARON SIMQUE HOMES, INC**

LOT 112, THE PRESERVES, LAKE CITY, FL 32024 24

SHEET NUMBER  
**A.4**  
OF 4 SHEETS



[illegible]

FOR #5 BARS, UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315-86, U.N.O.

[illegible]

ALL CHANGES MUST BE SUBMITTED TO THE WINDOW DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK ALL DETAILS OF THE WINDOW AND DOOR SIZES AND TO HAVE THE MANUFACTURER AND HAVE IT SIGNED, AND SEALED BY A DESIGN PROFESSIONAL FOR CORRECT APPLICATION OF FLOOR REQUIRED FOR EACH INDIVIDUAL TRUSS MEMBER. THE BUILDER IS RESPONSIBLE AS A WHOLE AND TO PROVIDE RESTRAINT FOR ANY LATERAL MOVEMENT. THERE SHOULD BE CARE CHECKING THE ROOF TRUSS MEMBER FOR THE TRUSS LAYOUT WHICH WAS CREATED BY THE MANUFACTURER AND THE TRUSS DESIGNER ALSO SIGNED THE MANUFACTURER AND THE TRUSS DESIGNER ALSO SIGNED THE LAYOUT PER NOTES ON THEIR SEALED SHEETS.

THIS STUDY/TEST TABLE IS FROM 2010 DESIGN TABLE 2.20B5. EXTERIOR LOAD BEARING, 8 INCH DOWEL STUDS, 1/2 INCH LONG. FOR WALLS WITH OSB EXTERIOR AND 1/2 INCH EXTERIOR FINISH. PRESSURING INTERIOR ZONE WIND LOADS, 130 MPH. EXPOSURE C. STUD SPACING SHALL BE MULTIPLE OF 16 INCHES FOR BRITTLE FINISH. STUD LOCATED WITHIN 4 FEET OF CORNERS FOR END ZONE LOADING. (END ZONE EXAMPLE: 16" OC, 0 to 16" STUD OC.)

1) 2x4 @ 16" OC	1) 2x6 @ 12" OC	1) 11/2" STUD HEIGHT
1) 2x6 @ 16" OC	1) 2x6 @ 16" OC	1) 11/2" STUD HEIGHT
1) 2x6 @ 12" OC	1) 2x6 @ 12" OC	1) 17/3" STUD HEIGHT

GRADE & SPECIES TABLE

	Pb	E
2x6	SP #2	925 14
2x10	SP #2	800 14
2x12	SP #2	750 14
GLB	24F-V3 SP	2600 19
LSL	TIMBERSTRAND	1700 17
LVL	MICROLAM	2950 20
PSL	PARALAM	2900 20

DESIGN CRITERIA & LOADS		SECTION NUMBER	
BUILDING CODE		BUILDING CODE RESIDENTIAL	
EXPOSED ROOF RESIDENTIAL LOADS	10/15	10/15	10/15
<b>WIND LOADS</b>			
MAJOR WIND DIRECTION	130 MPH	130 MPH	130 MPH
WIND EXPOSURE	I	II	III
(BUILDER MUST FIELD VERIFY)			
(BUILDER MUST FIELD VERIFY)			
RISK CATEGORY	II	III	III
WIND SPEED ASSASSINATION	0.18	0.18	0.18
INTERNAL PRESSURE			
OCCUPANT			
MEAN ROOF HEIGHT	2.4 FEET/ROOF	2.4 FEET/ROOF	2.4 FEET/ROOF
SOFFIT	50 FPM	50 FPM	50 FPM
SEE TABLE			
<b>C&amp;C DESIGN PRESSURES</b>			
<b>FLOOR LOADING</b>			
ROOF LOADING	40 PSF DEAD LOAD	40 PSF DEAD LOAD	40 PSF DEAD LOAD
ROOF LOADING	20 PSF LIVE LOAD	20 PSF LIVE LOAD	20 PSF LIVE LOAD
FLOOR LOADING	12 PSF DEAD LOAD	12 PSF DEAD LOAD	12 PSF DEAD LOAD
FLOOR LOADING	16 PSF LIVE LOAD	16 PSF LIVE LOAD	16 PSF LIVE LOAD
STAIR BEARING CAPACITY			
FLOOR ZONE			
THIS BUILDING IS NOT IN FLOOR ZONE			

COMPONENT & CLADDING DESIGN PRESSURES 130 MPH (EXP C) (VIND)		ZONE 4 INTERIOR		ZONE 5 END OF FROM ALL OUTSIDE CORNER	
COMPONENT	AREA (F <sup>2</sup> )	+4.6	-46.2	+4.6	-57
20					
GARAGE DOOR DESIGN PRESSURES 130 MPH (EXP C) (ASD)					
GARAGE DOOR		+22.6	-26.5		
GARAGE DOOR		+21.7	-24.1		

PROJECT ADDRESS:  
Lot 112 The Preserve  
Columbia County, FL

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P.E.  
Place  
32025  
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**F1**

**S-2**

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

**OPTIONAL STEM WALL FOOTING**

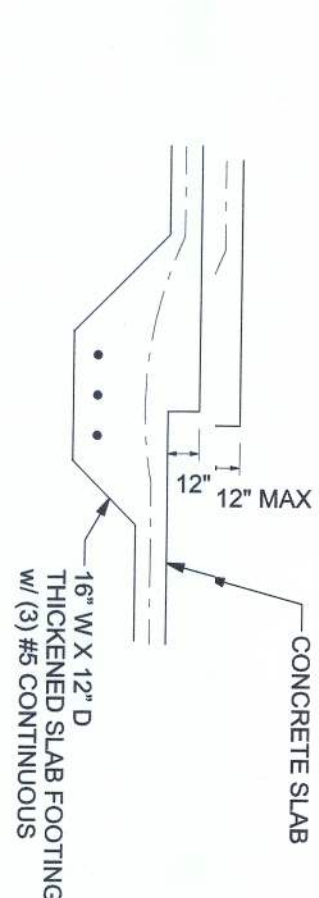
CONCRETE SLAB

HEADER-BLOCK BOND BEAM @ SLAB EDGE INTERSECTION w/ STEM WALL

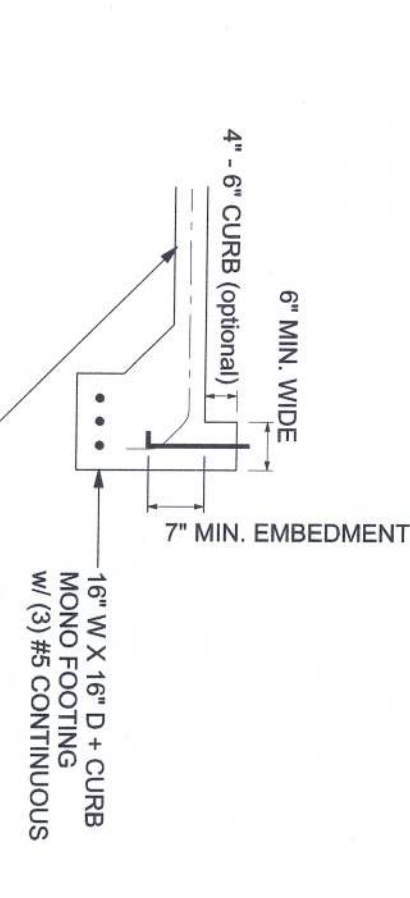
#5 REBAR W/ 24" HOOK BENT INTO SLAB & STD HOOK IN FOOTING @ EACH CORNER @ 90° CC.

8x8X16, RUNNING BOND, C&U STEM WALL, MIN. 2 MAX. 5 COURSES TABLE FOR MORE THAN 5 COURSES)

20' X 5' (17' Poured) w/ (3) #5 REBAR CONTINUOUS COVER (TYP.)

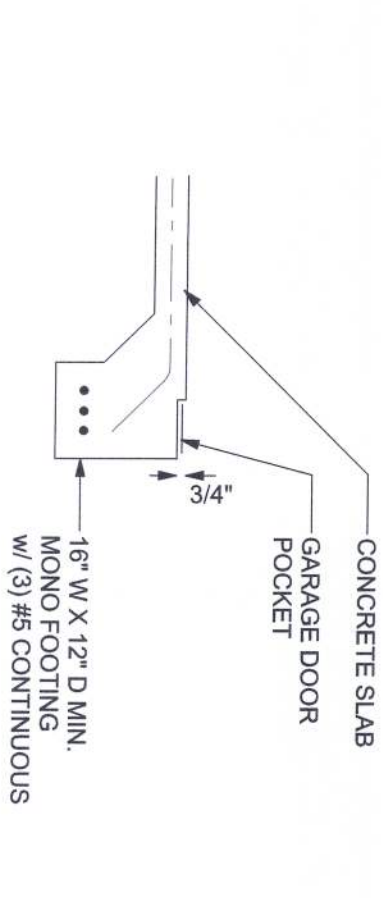


F3	INTERIOR BEARING STEP FOOTING
S-2	SCALE: 1/2" = 1'-0"



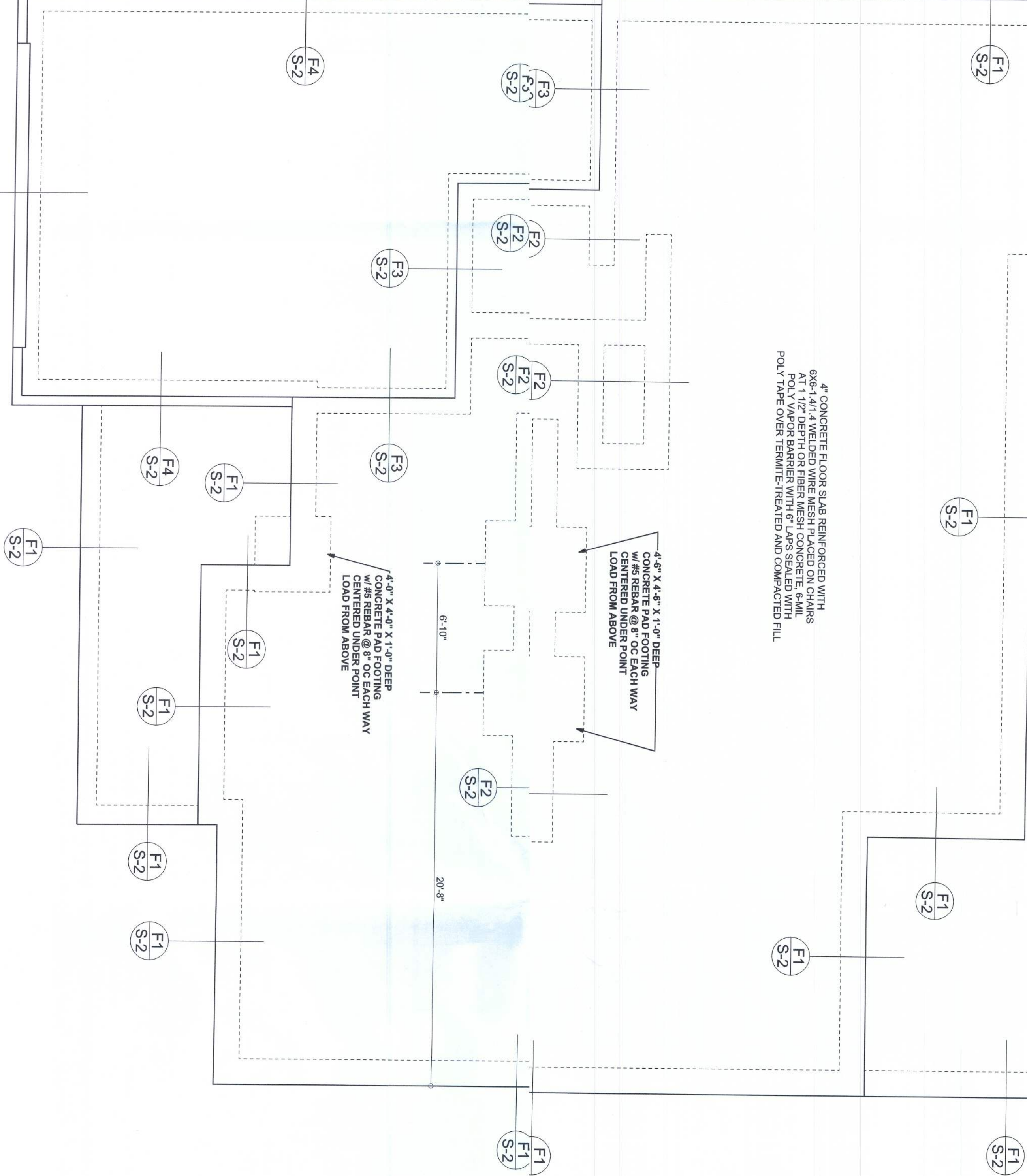
F4	MONOLITHIC CURB FOOTING
S-2	

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



**F5**  
**S-2** GARAGE DOOR POCKET FOOTING  
SCALE: 1/2" = 1'-0"

CONCRETE FLOOR SLAB REINFORCED WITH 6X6-1'41/2" WELDED WIRE MESH PLACED ON CHAIRS AT 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER WITH 6" LAPS SEALED WITH POLY TAPE OVER TERMITES-TREATED AND COMPACTED FILL



FOUNDATION PLAN

**FOUNDATION NOTES**

- 1-DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR FINISH DIMENSIONS. REFERENCES TO S.A. SHALL BE TO THE LATEST EDITION OF THE SPECIFICATIONS.
- 2- IN ALL AREAS BY REMAINING EXPOSED FOR INTERIOR BEARING WALLS, THE FOUNDATION SHALL BE FINISHED TO THE FINISH GRADE.
- 3- THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ #6X-1414 WELDED UNDER MESH PLACED ON CHAIRS @ 1'12" DEPTH OR RIGID MESH CONCRETE 5-GAL. POLY-UREA BARRIER W/ 6" SLABS SEaled W/ 100% SOLID RUBBER MEMBRANE.
- 4- FILL THE OTHER TERRACE, RELATED & COMPACTED FILL TO THE FINISH GRADE.

Aaron Simque Homes es

PROJECT ADDRESS:  
Lot 112 The Preserve  
Columbia County, FL

**STATEMENT OF DIMENSIONS:** Stated dimensions supercede scaled dimensions. Refer to all questions to Mark Owens, P.E. for clarification. Do not proceed without clarification.

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**CERTIFICATION:** I hereby certify that I have reviewed the above information and am responsible for the accuracy of the data relating to which this document is being prepared. I am duly licensed with the 5th Edition Florida Building Code Residential (2014) to the best of my knowledge.

**LIABILITY:** This design is valid for one building at specified location.

Sunday, March 12, 2017

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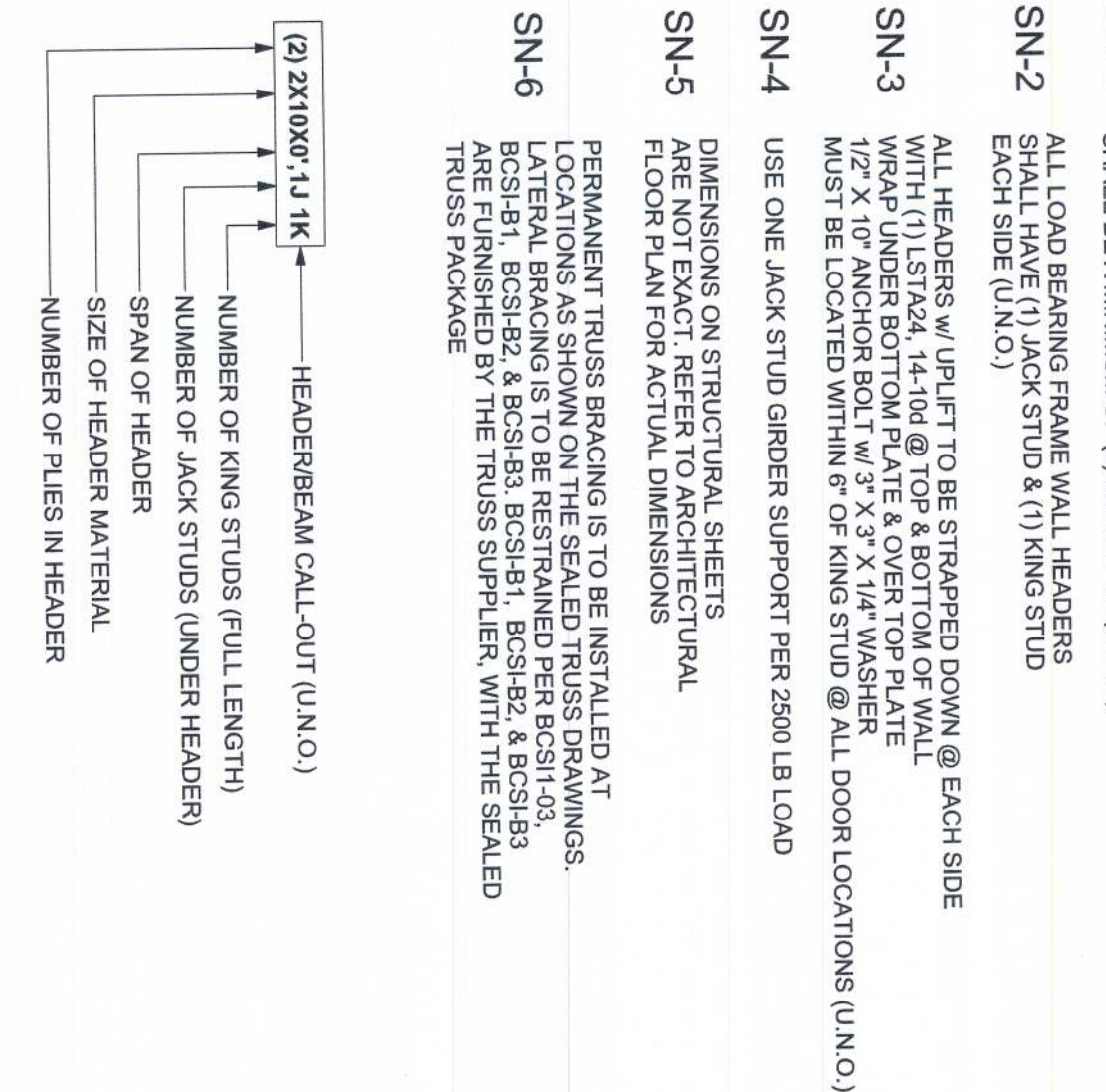
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Suite 103  
Lake City, Florida 32025  
386.754.5419  
disoswaydesign@gmail.com

JOB NUMBER:  
170240

**S-2**

OF 3 SHEETS





## SCALE: N.T.S.

ACTUAL vs REQUIRED SHEARWALL		
	TRANSVERSE	LONGITUDINAL
ACTUAL	50184 LBF	18520 LBF
REQUIRED	20987 LBF	18238 LBF

(2) 2x10x0.14 in. → HEADER/BEAM CALL-OUT (U.N.O.)

NUMBER OF KING STUDS (FULL LENGTH)

NUMBER OF JACK STUDS (UNDER HEADER)

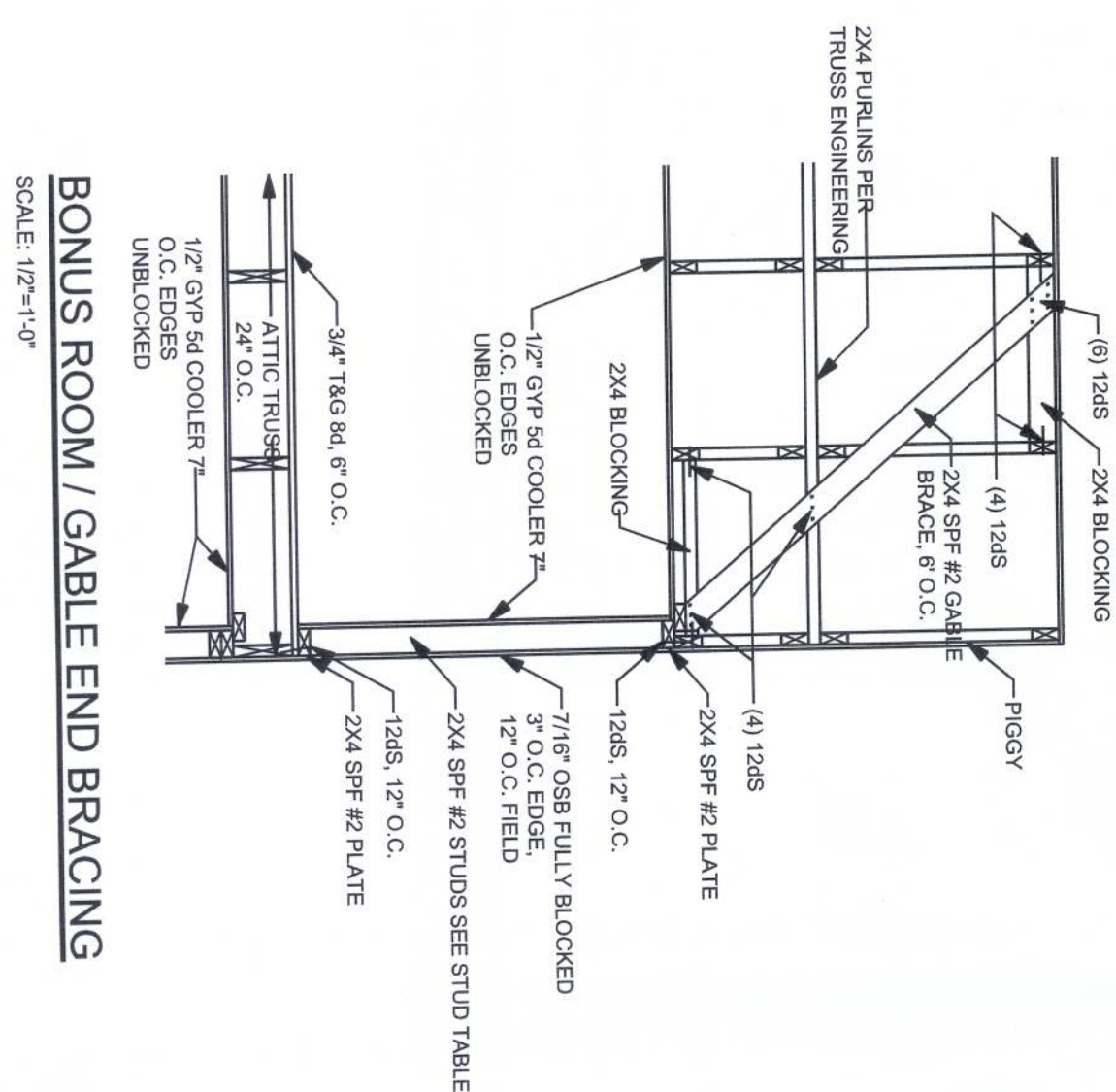
SPAN OF HEADER

SIZE OF HEADER MATERIAL

NUMBER OF PILES IN HEADER

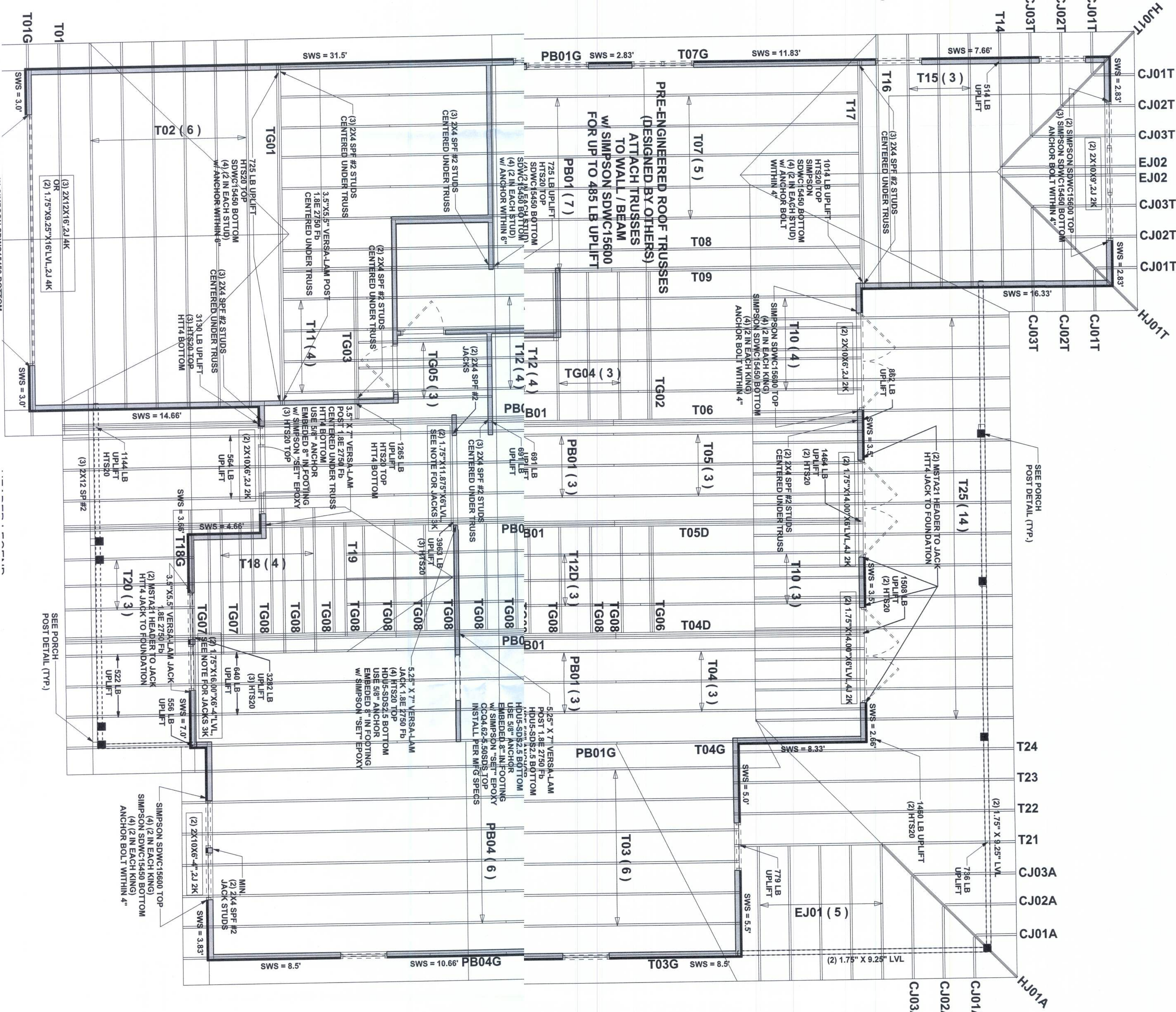
## STRUCTURAL PLAN NOTES

- SN-1** ALL LOAD BEARING FRAME WALL & PITCH BEAMS  
SHALL BE A MINIMUM OF (2) 2X10 SP #2 @ (U.O.)
- SN-2** ALL LOAD BEARING FRAME WALL, BEAMS  
SHALL HAVE (1) JACK STUD & (1) KING STUD  
EACH SIDE (U.N.O.)
- SN-3** ALL JOISTERS W/UPFLT TO BE STRAPPED DOWN @ EACH SIDE  
WITH (1) 1X12X4, 14-10# @ TOP & BOTTOM OF WALL  
WRAP UNDER BOTTOM PLATE & OVER TOP PLATE  
1/2" X 6" JOISTER BOLT W/ 3" X 3" X 1/4" WASHER  
MUST BE LOCATED WITHIN 6" OF KING STUD @ ALL DOOR LOCATIONS (U.N.O.)
- SN-4** USE ONE JACK STUD GIRDER SUPPORT PER 250L LB LOAD
- SN-5** DIMENSIONS ON STRUCTURAL SHEETS  
ARE NOT EXACT. REFER TO ARCHITECTURAL  
FLOOR PLAN FOR ACTUAL DIMENSIONS
- SN-6** PERMANENT TRUSS BRACING IS TO BE INSTALLED AT  
ALL JOINTS ON THE SEATED TRUSS DRAWINGS.  
LATERAL BRACING IS TO BE PER 15K11, 15K12 & 15K18  
AS SHOWN ON THE TRUSS SUPPLIER, WITH THE SEATED  
TRUSS PACKAGE



BONUS ROOM / GABLE END BRACING

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



## STRUCTURAL PLAN

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

CONNECTIONS, WALL, & HEADER DESIGN IS BASED  
ON REACTIONS & UPLIFTS FROM TRUSS ENGINEERING  
FURNISHED BY BUILDER. BUILDERS FIRST SOURCE  
JOB #983787

OF 3 SHEETS

JOB NUMBER:

Lake City, Florida 32025  
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Sunday, March 12, 2017

MARK DISOSWAY P.E. 53915

Aaron Simque Homes

Bristol - Lot 112 The Preserve

**PROJECT ADDRESS:**  
Lot 112 The Preserve  
Columbia County, FL

**DIMENSIONS:** Standard dimensions superseded scaled dimensions. Refer all questions to Mark Discovery, P.E. for resolution. Do not proceed without clarification.

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



