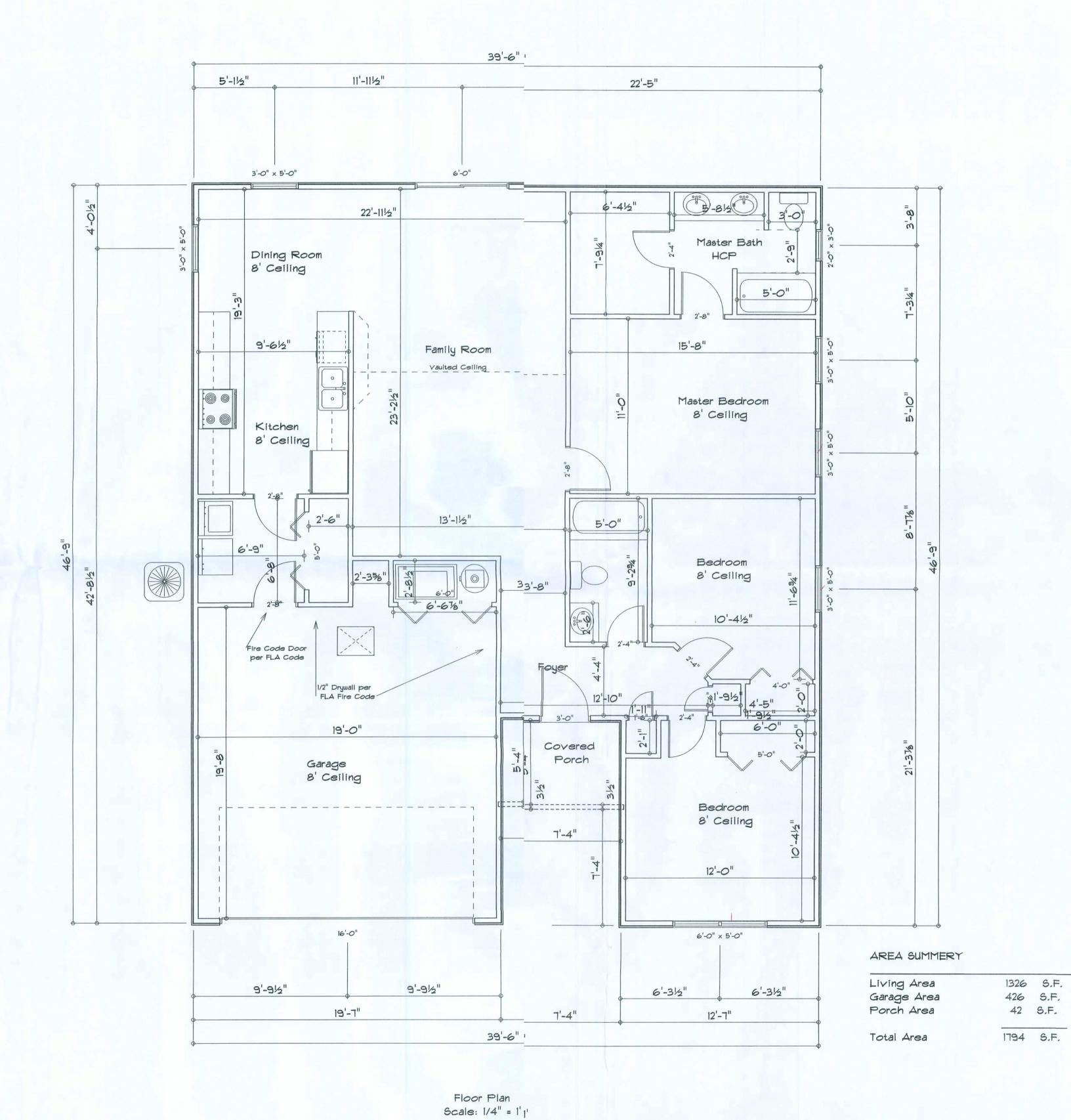
RE/ISIONS

SOFTPAN ACHITECTURAL DESIGN SOFTWARE





RESIDENCE

Pam Smith 219 NW Melanie Way Lake City, FL 32055

ADDRESS: Coumbia County, Florida

Woodrran Park Builders, Inc. L₃ke City, Florida Phore: (386) 755 - 2411 Faː: (386) 755-8684 Email:

PRINTED DATE:

DRAWI BY: CHECKED BY:

Mark Haddo

FINALSDATE:

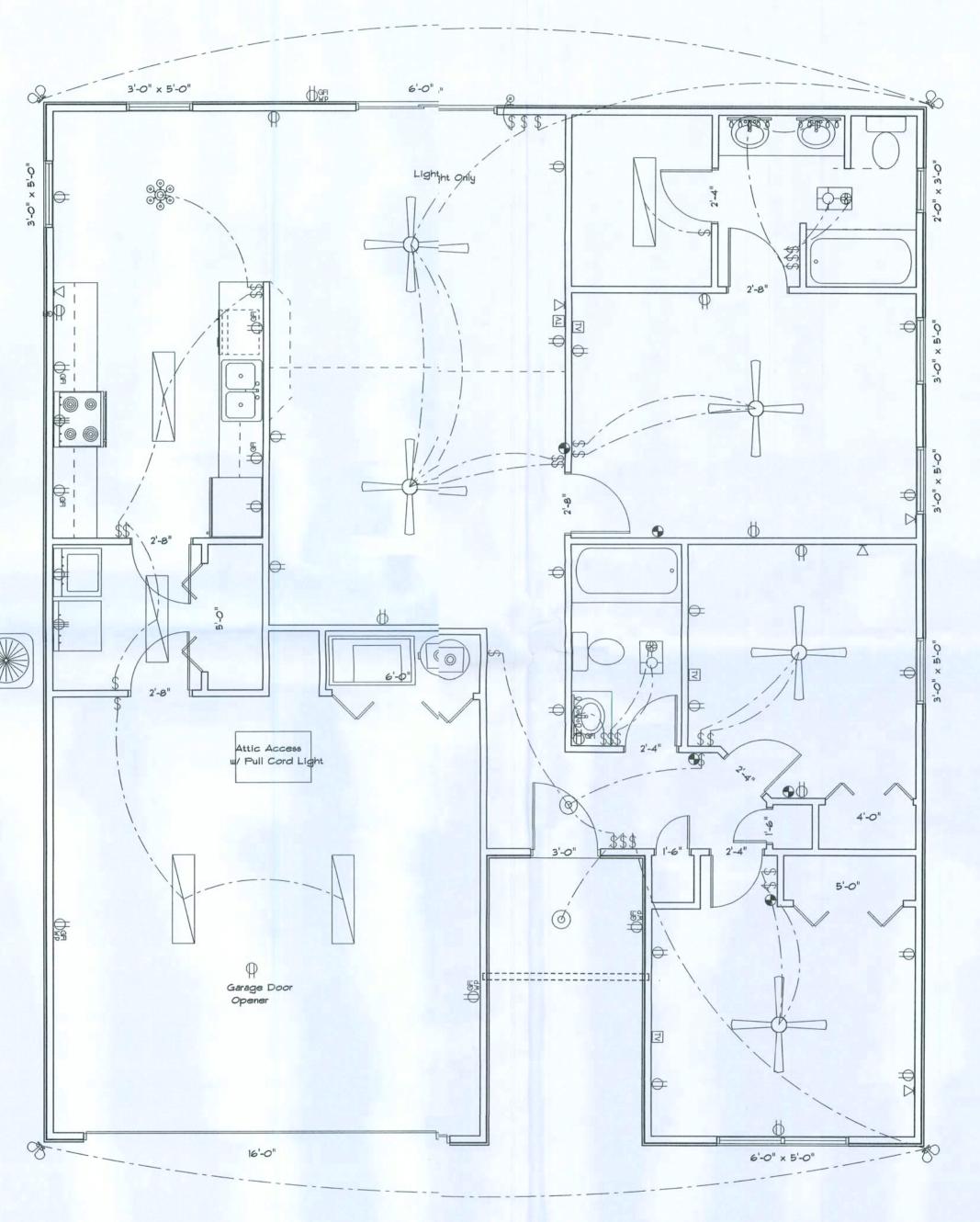
JOB NUMBER:

RAWING NUMBER

SCFTPIXN

Electrical Plan Nces:

- E-1 Wire all applinces, HVAC units and other equiptment per manufacties specifications.
- E-2 Consult the wner for the number or seperate telephone lins to be installed. Owner is responsible or all overages not noted on plan.
- E-3 All installatics shall be per national code.
- E-4 All smoke diectors shall be 120v with battery back-up of te photoelectric type, and shall be interlocked agether. Install inside and near all bedrooms.
- E-5 Telephone, tlevision and other low voltage devices or utlets shall be as per the owners directions and in accordance with applicable sections of te National Electric Codes latest edition. Owns is responsible for all overages not noted orplan.
- E-6 Electrical contractor shall be responssible for the design ad sizing of electrical service and circuits.
- E-7 Entry of servce (underground or overhead) to to be deterined by contractor agreement.
- E-8 All bedroomeceptacles shall be AFCI (arc fault ciruit interrupter).
- E-9 All outlets t be located above base flood elevation.
- E-10 All exterior :FI outlets shall be weatherproof.
- E-11 Overcurrent Protection device shall be installed on the exterior of structures to serve as a disconneting means. Conductors used from the exterior deconnecting means to a panel or sub panel shil have four-wire conductors, of which one coductor shall be used as an equiptment cound.



Eldectrical Plan

ELECTRICAL	SYMBOL		
ceiling fan globe 1			
ceiling globe light	(
chandelier	9 0 0		
double spotlight	QD.		
fluorescent fixture			
vanity bar light	88888		
wall sconce	© ⊕wp		
Outlet WP GFI			
cable tv outlet	TV		
fan	⊕		
light			
outlet	Ф		
outlet 220v	Ф		
outlet gfi	Фан		
smoke detector	•		
switch	\$		
telephone	∇		

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.

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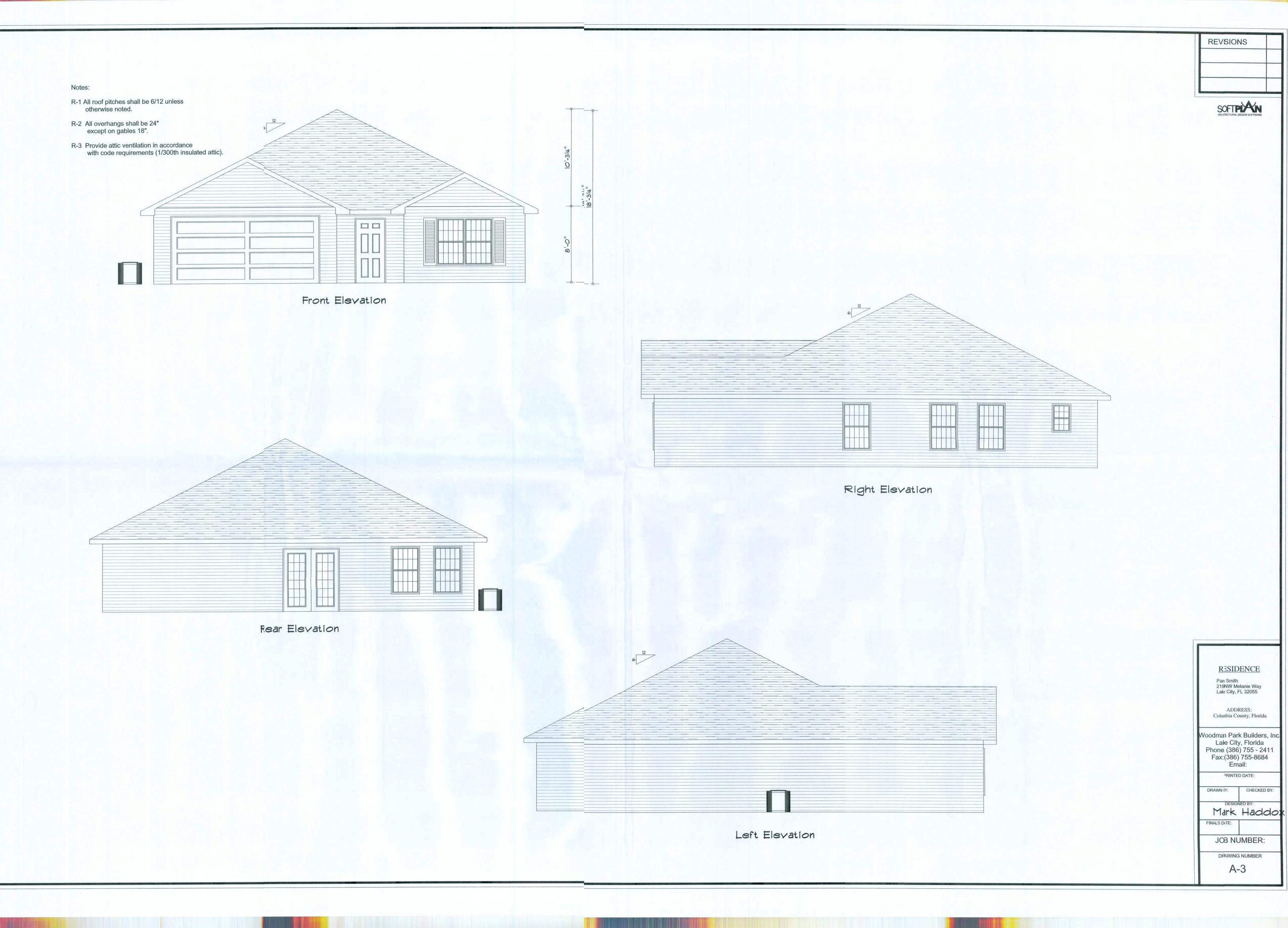
Mark Haddo

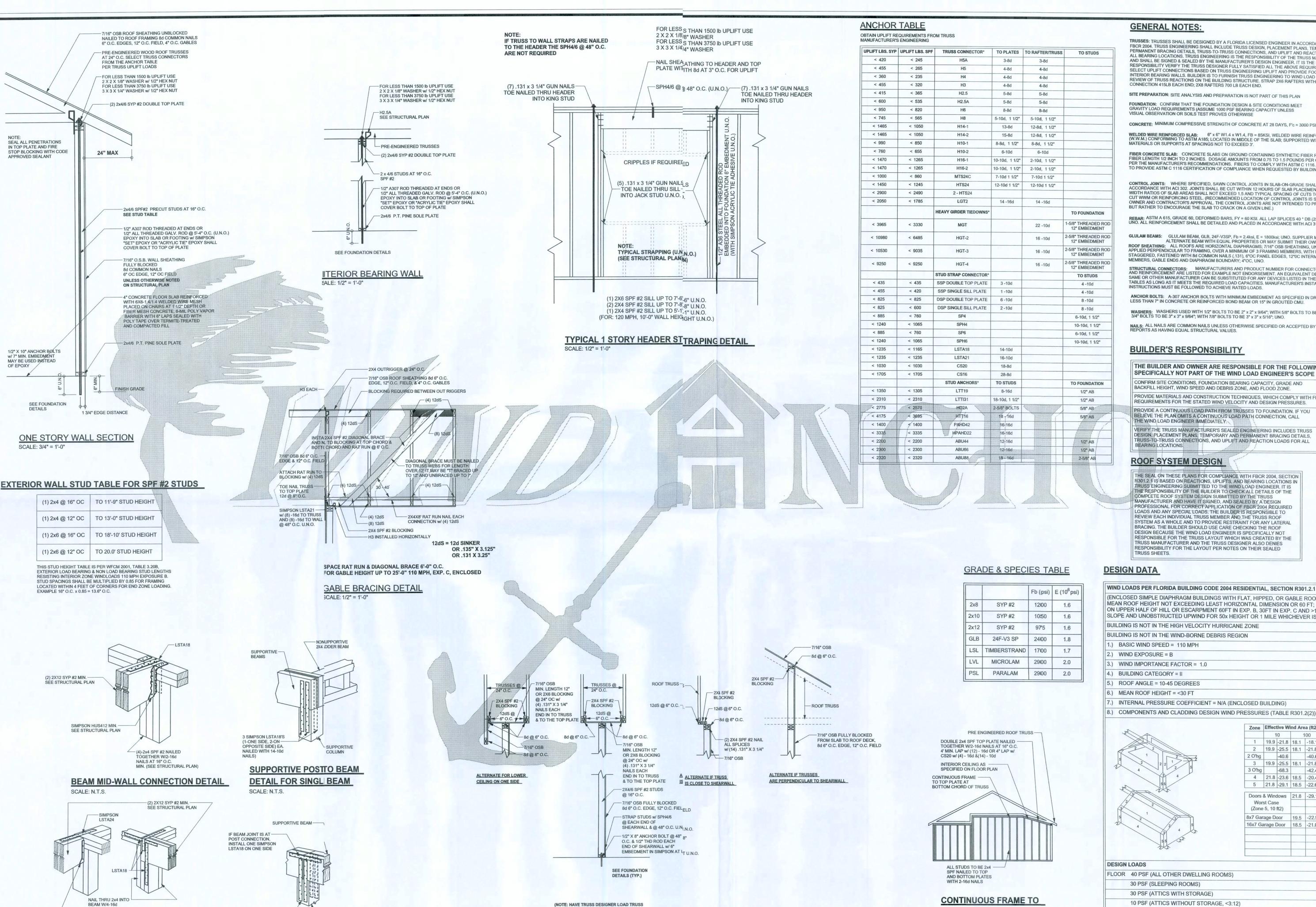
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A-2





FOR 400 PLF DRAG LOAD)

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

INTERIOR SHEAR WALL DETAIL

4-SIMPSON LSTA18 -

SUPPORTIVE CENTER POS TO BEAM DETAIL

(2-ONE SIDE,2-ON OTHER SIDE)

SEE STRUCTURAL PLAN

SCALE: N.T.S.

EITHER METHOD SHOWN ABOVE

BEAM CORNER CONNECTION. DETAIL

GENERAL NOTES:

TRUSSES: TRUSSES SHALL BE DESIGNED BY A FLORIDA LICENSED ENGINEER IN ACCORDANCE WITH THE FBCR 2004. TRUSS ENGINEERING SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, TEMPORARY AND PERMANENT BRACING DETAILS, TRUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL BEARING LOCATIONS. TRUSS ENGINEERING IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER AND SHALL BE SIGNED & SEALED BY THE MANUFACTURER'S DESIGN ENGINEER. IT IS THE BUILDER'S RESPONSIBILITY VERIFY THE TRUSS DESIGNER FULLY SATISFIED ALL THE ABOVE REQUIREMENTS AND TO SELECT UPLIFT CONNECTIONS BASED ON TRUSS ENGINEERING UPLIFT AND PROVIDE FOOTINGS FOR INTERIOR BEARING WALLS. BUILDER IS TO FURNISH TRUSS ENGINEERING TO WIND LOAD ENGINEER FOR REVIEW OF TRUSS REACTIONS ON THE BUILDING STRUCTURE. STRAP 2X6 RAFTERS WITH MIN UPLIFT CONNECTION 415LB EACH END; 2X8 RAFTERS 700 LB EACH END.

SITE PREPARATION: SITE ANALYSIS AND PREPARATION IS NOT PART OF THIS PLAN FOUNDATION: CONFIRM THAT THE FOUNDATION DESIGN & SITE CONDITIONS MEET GRAVITY LOAD REQUIREMENTS (ASSUME 1000 PSF BEARING CAPACITY UNLESS VISUAL OBSERVATION OR SOILS TEST PROVES OTHERWISE

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, F'c = 3000 PSI.

WELDED WIRE REINFORCED SLAB: 6" x 6" w 1.4 x W 1.4, FB = 85KSI, 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 SLABS: 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 OFFICIAL.

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.)

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 315-96, U.N.O.

GLULAM BEAMS: GLULAM BEAM, GLB, 24F-V3SP, Fb = 2.4ksi, E = 1800ksi; UNO. SUPPLIER MAY SUPPLY AN ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING CALCS. ROOF SHEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS; 7/16" OSB SHEATHING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, WITH PANEL EDGES STAGGERED, FASTENED WITH 8d COMMON NAILS (.131), 6"OC PANEL EDGES, 12"OC INTERMEDIATE MEMBERS, GABLE ENDS AND DIAPHRAGM BOUNDARY; 4"OC, UNO.

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, ANCHORS, 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 TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION

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.

NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC TEST REPORTS AS HAVING EQUAL STRUCTURAL VALUES.

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 FBCR 2004 REQUIREMENTS FOR THE STATED WIND VELOCITY AND DESIGN PRESSURES. PROVIDE A CONTINUOUS LOAD PATH FROM TRUSSES 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, RUSS-TO-TRUSS CONNECTIONS, AND UPLIFT AND REACTION LOADS FOR ALL

ROOF SYSTEM DESIGN

THE SEAL ON THESE PLANS FOR COMPLIANCE WITH FBCR 2004, SECTION | R301.2.1 IS BASED ON REACTIONS, UPLIFTS, AND BEARING LOCATIONS IN 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 FBCR 2004 REQUIRED 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.

WIND LOADS PER FLORIDA BUILDING CODE 2004 RESIDENTIAL, SECTION 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) BASIC WIND SPEED = 110 MPH WIND EXPOSURE = B

3.) WIND IMPORTANCE FACTOR = 1.0 4.) BUILDING CATEGORY = II 5.) ROOF ANGLE = 10-45 DEGREES

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

CEILING DIAPHRAGM DETAIL

SCALE: N.T.S.

	1	0		100
1	19.9	-21.8	18.1	-18
2	19.9	-25.5	18.1	-21
2 O'hg		-40.6		-40
3	19.9	-25.5	18.1	-21
3 O'hg		-68.3		-42
4	21.8	-23.6	18.5	-20
5	21.8	-29.1	18.5	-22
Wor	st Cas	21.8	-29	
8x7 Gar	age D	oor	19.5	-2
16x7 Ga	arage I	Door	18.5	-2'
	2 2 O'hg 3 3 O'hg 4 5 Doors (Zone 8x7 Gar	1 19.9 2 19.9 2 O'hg 3 19.9 3 O'hg 4 21.8 5 21.8 Doors & Wind Worst Cas (Zone 5, 10 8x7 Garage D	2 19.9 -25.5 2 O'hg -40.6 3 19.9 -25.5 3 O'hg -68.3 4 21.8 -23.6	1 19.9 -21.8 18.1 2 19.9 -25.5 18.1 2 O'hg -40.6 3 19.9 -25.5 18.1 3 O'hg -68.3 4 21.8 -23.6 18.5 5 21.8 -29.1 18.5 Doors & Windows Worst Case (Zone 5, 10 ft2) 8x7 Garage Door 19.5

Zone Effective Wind Area (ft2)

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 BE	ARING CAPACITY 1000PSF	
NOT IN I	FLOOD ZONE (BUILDER TO VERIFY)	

REVISIONS

SOFIPLAN

camined this plan, and that the applicable portions of the plan, elating to wind engineeri comply with section (301.2.1, florida building code residential 2004, to the best of my LIMITATION: This design is valid for one ouilding, at specified ocation. Woodman Park <u>Builders</u> Pan Smith Residence ADDRESS: 219 NWMelanie Way Lake Ciy, FL 32055 Mark Disosway P.E. P.O.Box 868 Lake City, Florida 32056 Phone: (316) 754 - 5419 Fax: (386) 269 - 4871 PRINTED DATE: June 2), 2008

DRAWN BY:

FINALS DATE:

JOB NUMBER:

S-1

OF 3SHEETS

8(6164 DRAWING NUMBER

17Jun08

CHECKED BY

NDLOAD ENGINER: Mark Disosway,

PE No.53915, POB 88, Lake City, FL

imensions. Refer al questions to

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Mark Disosway, P.E.for resolution

Do not proceed without clarification

32056, 386-754-541!

DIMENSIONS:

