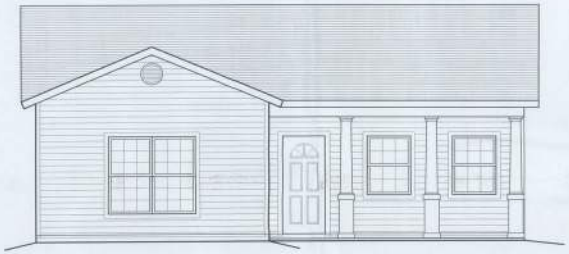
Lux Residence

1946 SW Loncala Loop, Fort White, FL 32308

Steel Snap-N-Lock™ Composite Panel Home Permit/Construction Drawings by Panel Fusion, LLC for Structall Building Systems, Inc.



ABBREVIATIONS

A.F.F. – ABOVE FINISHED FLOOR
ALUM. – ALUMINUM
& – AND
@ – AT
BLDG. – BUILDING
CMU – CONCRETE MASONRY UNIT
CONC. – CONCRETE
DBL. – DOUBLE
EA. – EACH
ELEC. – ELECTRICAL
E.P.S. – EXPANDED POLYSTYRENE
EXT. – EXTERIOR
F.D. – FLOOR DRAIN
FT – FEET
GA. – GAUGE
GALV. – GALVANIZED
GWB – GYPSUM WALL BOARD
H. – HIGH
HORIZ. – HORIZONTAL
I.D. – INSIDE DIAMETER
INSUL. – INSULATION
INT. – INTERIOR
L – LENGTH, LONG
LAV. – LAVATORY
MACH. – MACHINE
MAX. – MAXIMUM
MFR. – MANUFACTURER
MIN. – MINIMUM
M.P.H. – MILES PER HOUR
MTL. – METAL
NEO. – NEOPRENE
N.I.C. – NOT IN CONTRACT
O.C. – ON CENTER
O.D. – OUTSIDE DIAMETER
OPP. – OPPOSITE
PLAS. LAM. – PLASTIC LAMINATE
PLYWD. – PLYWOOD
P.S.F. – POUNDS PER SQUARE FOOT
P.S.I. – POUNDS PER SQUARE INCH
P.T. – PRESSURE TREATED
REINF. – REINFORCING
R.O. – ROUGH OPENING
RUN. – RUNNER
SHT. – SHEET
SHTHG. – SHEATHING
SIM – SIMILAR
S-N-L – SNAP-N-LOCK
S.M.S. – SHEET METAL SCREW
SPECS – SPECIFICATIONS
S.S. – STAINLESS STEEL
STL– STEEL
T&G – TONGUE AND GROOVE
TYP – TYPICAL
U.O.N. – UNLESS OTHERWISE NOTED
VERT. – VERTICAL
W – WIDE
W/ – WITH
W.C. – WATER CLOSET
WD. – WOOD
W.H. – WATER HEATER
W/O – WITHOUT
W.W.F. – WELDED WIRE FABRIC

SYMBOLS LEGEND

- COLUMN AND CONSTRUCTION GRID LINES
- DOOR SYMBOL
- WINDOWS
- EQUIPMENT NUMBER
- KEYNOTE SYMBOL
- SECTION LETTER / CUTTING LINE / SHEET WHERE LOCATED
- INTERIOR ELEVATION SYMBOL
- DETAIL INDICATION SYMBOL
- BUILDING SECTION CUT SYMBOL
- REVISION
- FLOOR/DATUM ELEVATION LEVEL
- MATCH LINE
- LINE OF OVERHEAD WALL CABINET

DESIGN CRITERIA

CODE EDITION: 2010 FLORIDA BUILDING CODE & ASCE 7

BUILDING HEIGHT: 15'-9"

MEAN ROOF HEIGHT: 13'-0"

ULTIMATE DESIGN WIND SPEED: 120 MPH (3 SEC. GUSTS)

NOMINAL DESIGN WIND SPEED: 93 MPH

RISK CATEGORY: II

EXPOSURE CATEGORY: B

INTERNAL PRESSURE COEFFICIENT: ( ) ±.55 PARTIALLY ENCLOSED (X) ±.18 ENCLOSED

IMPACT PROTECTION REQUIRED: ( ) YES (X) NO

OPENING DESIGN PRESSURES: SEE ELEVATIONS

MINIMUM ROOF LIVE LOAD: 20 PSF

ROOF DEAD LOAD: 10 PSF

FLOOR LIVE LOAD: 40 PSF

MINIMUM SOIL BEARING CAPACITY: 2000 PSF

OCCUPANCY CLASSIFICATION: RESIDENTIAL – R3

CONSTRUCTION TYPE: V, B

FLOOD ZONE: X (FEMA MAP 12103C0208H)

COMPONENTS & CLADDING LOADS

LOCATION	ZONE	EFFECTIVE AREA	120MPH, EXP. B DESIGN PRESSURES (PSF)
ROOF	1	100	+10.5 -21.5
	2	50	+11.9 -33.6
	3	10	+14.9 -61.0
WALL	4	100	+22.0 -24.2
	4	50	+23.2 -25.4
	5	100	+22.0 -26.9
	5	50	+23.2 -29.3

GENERAL NOTES

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND EACH OF HIS SUBCONTRACTORS TO REVIEW ALL DRAWINGS, REVISIONS TO DRAWINGS, ETC. TO ASSURE COORDINATION OF ALL WORK AFFECTING EACH TRADE. FAILURE TO REVIEW ALL CONTRACT DOCUMENTS FOR APPLICABLE ITEMS OF WORK SHALL NOT RELIEVE THE RESPONSIBLE PARTY FROM PERFORMING ALL WORK REQUIRED.

1. ALL TRADES MUST CONFORM TO CURRENT EXISTING CODES AND ORDINANCES APPLICABLE TO THIS PROJECT.
2. CONTRACTORS TO VERIFY ALL DIMENSIONS AND CONDITIONS.
3. ALL MATERIAL TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
4. ELECTRICAL PER LICENCED CONTRACTOR TO LOCAL AND NATIONAL STANDARDS.
5. CONTRACTOR IS RESPONSIBLE FOR THE PROPER WATERPROOFING, FLASHING & SEALING OF THE ROOF AND STRUCTURE, EXISTING & NEW, IN AND BEYOND THE SCOPE OF THESE DRAWINGS.

COMPOSITE PANEL USE NOTES

– THIS SET OF PLANS HAS BEEN SPECIFICALLY DESIGNED & ENGINEERED FOR ONLY SNAP-N-LOCK COMPOSITE PANELS BY STRUCTALL BUILDING SYSTEMS.

– SNAP-N-LOCK COMPOSITE PANELS ARE A TRADE MARKED, COPYRIGHTED & PATENTED PRODUCT W/ SPECIFIC STRUCTURAL & QUALITY CHARACTERISTICS.

– THESE PLANS PERMIT NO EQUALS AND/OR SUBSTITUTIONS OF SNAP-N-LOCK COMPOSITE PANELS.

PRODUCT APPROVALS

FLORIDA PRODUCT APPROVAL PER RULE 9N-3:

COMPOSITE PANELS
– FL15491.1

INDEX OF DRAWINGS

A1 SITE PLAN, GENERAL NOTES, LEGENDS, DESIGN CRITERIA & DRAWING INDEX
A2 FLOOR PLAN & FOUNDATION PLAN
A3 FINISHED ELEVATIONS & PANEL ELEVATIONS
A4 ROOF FRAMING PLAN & ROOF PANEL PLAN
A5 SECTIONS & DETAILS
A6 DETAILS
A7 ELECTRICAL PLAN & CALCULATIONS, MECHANICAL/ PLUMBING PLAN & PLUMBING RISER DIAGRAM

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PANEL Fusion
Building Design Services
Specializing in:
Residential & Small Scale Building Design using Structural Insulated Panel, Light Gauge Steel Framing, Structural Wood and Aluminum Structural Components
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Structural Insulated Panel Home
1946 SW Loncala Loop
Fort White, FL 32308

Project No.	-
Date:	05-01-14
Drawn:	JRD
Reviewed:	

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