DATE 03/29/2016

# Columbia County Building Permit

**This Permit Must Be Prominently Posted on Premises During Construction**

**PERMIT**
**000033898**

APPLICANT TIM STALL PHONE 386-755-4387

ADDRESS 129 NE COLBURN AVE LAKE CITY FL 32055

OWNER RODNEY MILLIGAN PHONE 397-5457

ADDRESS 541 SE DELLA WILLIAMS GLEN LAKE CITY FL 32025

CONTRACTOR MIKE TODD PHONE 755-4387

LOCATION OF PROPERTY 441 S, L HWY 252, R DELLA WILLIAMS, 1ST ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 163600.00

HEATED FLOOR AREA 1740.00 TOTAL AREA 3272.00 HEIGHT STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 11-4S-17-08317-001 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 5.29

| 000002278 | | CGC006209 | | | |
|---|---|---|---|---|---|
| Culvert Permit No. | Culvert Waiver | Contractor's License Number | | Applicant/Owner/Contractor | |
| WAIVER | 16-0068 | BS | TC | N | |
| Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident | Time/STUP No. |

COMMENTS: NOC ON FILE

FLOOR ONE FOOT ABOVE THE ROAD

Check # or Cash 1129

## FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Insulation _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Pool _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Reconnection _____ date/app. by

RV _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 820.00 CERTIFICATION FEE $ 16.36 SURCHARGE FEE $ 16.36

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 927.72

INSPECTORS OFFICE _____ CLERKS OFFICE _____

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

***"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."***

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

**The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.**

# MILLIGAN RESIDENCE PLANS

## COLUMBIA COUNTY, FL

### Plan Sheet Index:

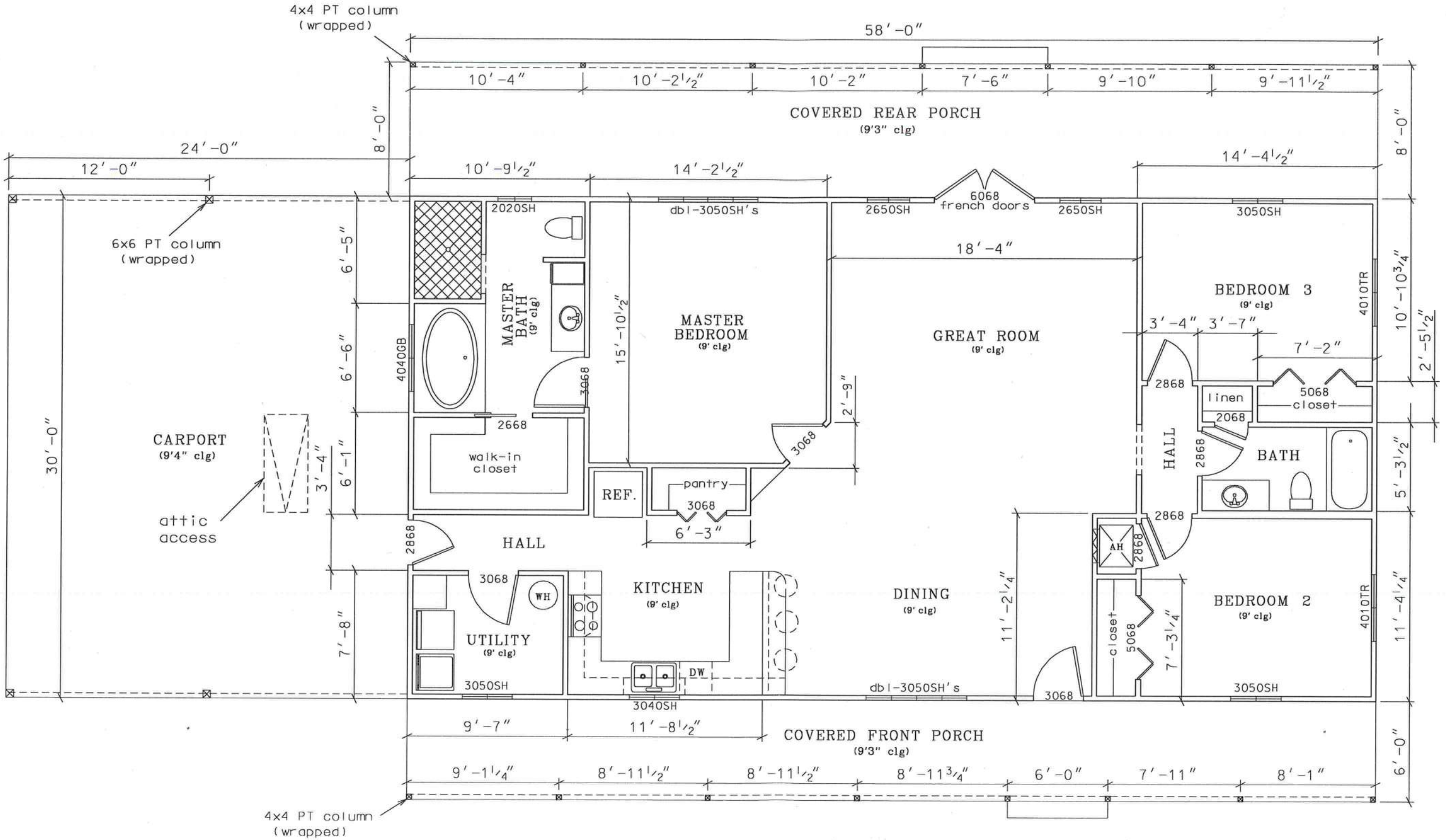
| Sheet No. | Description |
|---|---|
| 1 | title/index sheet |
| 2 | floor plan |
| 3 | front & left elevations |
| 4 | rear & right elevations |
| 5 | wall typical/strapping requirements |
| 6 | special details |
| 7 | roof plan |
| 8 | foundation plan |
| 9 | electrical plan |

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

1-6-15

PLANS PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST.. O'BRIEN. FL 32071

MILLIGAN RESIDENCE PLANS
COLUMBIA COUNTY, FL




# FLOOR PLAN

LIVING AREA - 1740 sq. ft.
PORCHES - 812 sq. ft.
CARPORT - 720 sq. ft.

Mitchell J. Humphries
1-6-15

0 3' 6'
scale

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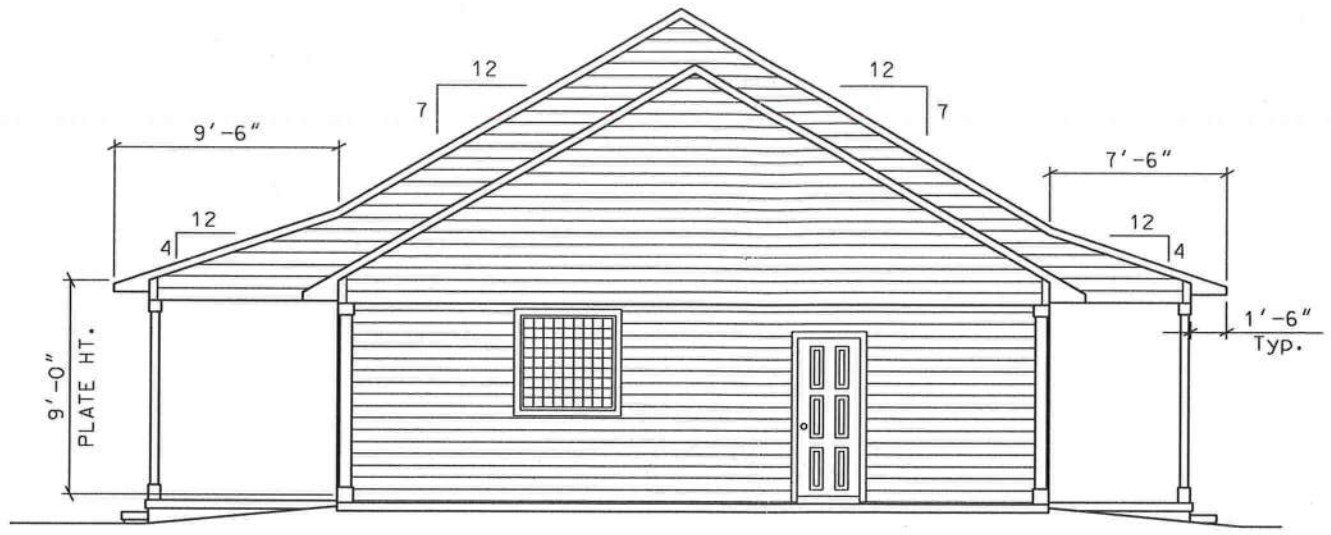
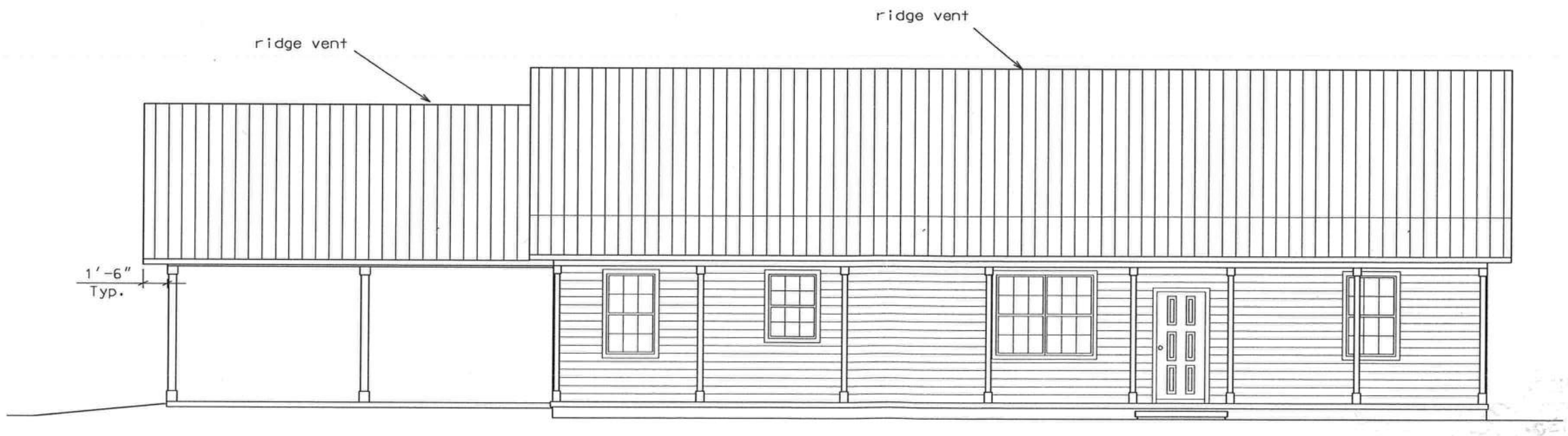
MILLIGAN RESIDENCE PLANS
COLUMBIA COUNTY, FL

SHEET 2 OF 9




LEFT ELEVATION

0 4' 8'
scale




FRONT ELEVATION

0 4' 8'
scale

1-6-15

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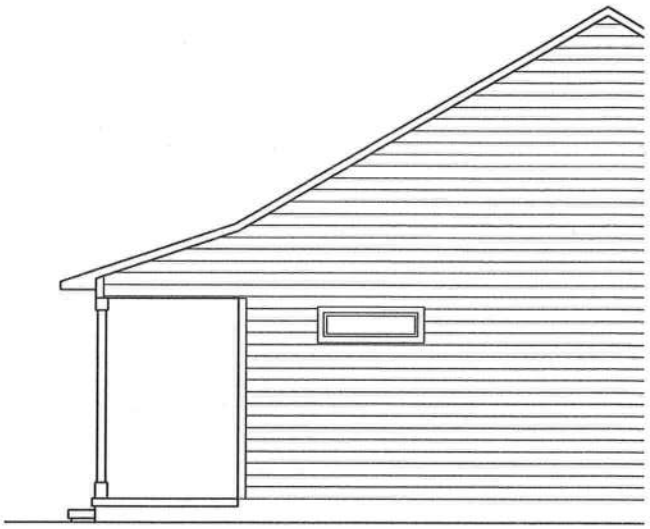
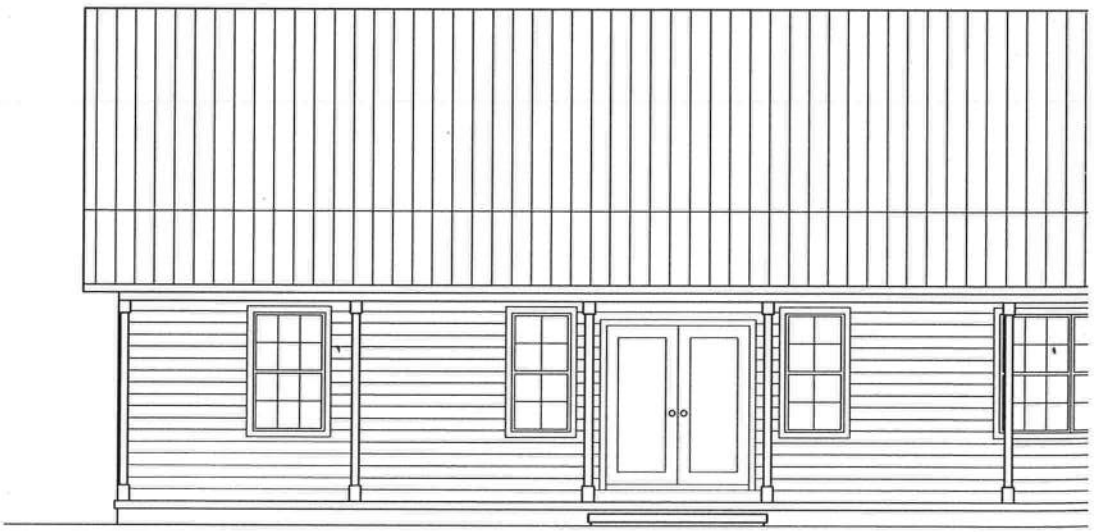
MILLIGAN RESIDENCE PLANS
COLUMBIA COUNTY. FL



RIGHT ELE



REAR ELEVAT

# STRAPPING AND ANCHOR REQUIREMENTS

(Designed In accordance with the 2014 FBC and ammendments):

**WINDLOAD DATA AND EXPOSURE:**

Basic Wind Speed = 120 mph Vult.
Importance Factor = 1.0
Exposure Category = B
Residential Occupancy = Group R3
Mean Roof Height = 16'
Height and Exposure Adjustment Coefficient = 1.0
Roof Cross Slope = 7:12, 4:12
Wall Height = 9'
Risk Category = II
Component and Cladding Pressures = Roof(Zone 1=14.9,-23.7, Zone 2=14.9,-41.3, Zone 3=14.9,-61.0), Wall(Zone 4=25.9,-28.1, Zone 5=25.9,-34.7)(units are psf)

**TRUSS ANCHORS:**

At Truss to Exterior Wall, Porch Beam nd Carpot Beam Locations: install one Simpson model H10A anchor for all trusses.

**WALL STRAP TIES:**

At top and bottom of exterior walls install one Simpson model SP4 or at each side of each door and window 4' or less in width. At top and bottom of wall for windows and doors larger than 4' in width install two Simpson model SP4's each side of opening. All other wall locations install one SP4 top and bottom of the wall 4' on center.

**GABLE ENDS:**

At gable ends install one Simpson model H5 anchor where lookouts connect to end gable truss.

At left and right end gables install one Simpson LSTA18 - 4' on center connecting gable end truss to wall framing.

BRACING: At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss 45 degrees to truss at roof sheathing, nail with 2-12d nails where it crosses truss members and at ends. Gable end truss shall be built to recieve sheathing with vertical members 2' on center. Vertical members of gable end truss greater than 5' in height shall be stiffened with one 2x4 SPF nailed with 12d nails 8" on center to back of vertical member. (See Detail)

**SHEATHING:**

Wall sheathing shall be installed with long dimension vertical on exterior walls and full-depth blocking shall be required at horizontal joints in sheathing.

**PORCH COLUMNS:**

Install Simpson model ABU44 and AC4Max, ACE4(Max) may be used at end columns.

**CARPORT COLUMNS:**

Install Simpson model ABU66 and AC6Max, ACE6(Max) may be used at end columns, also install 1 additional LSTA12 strap at each column to header location.

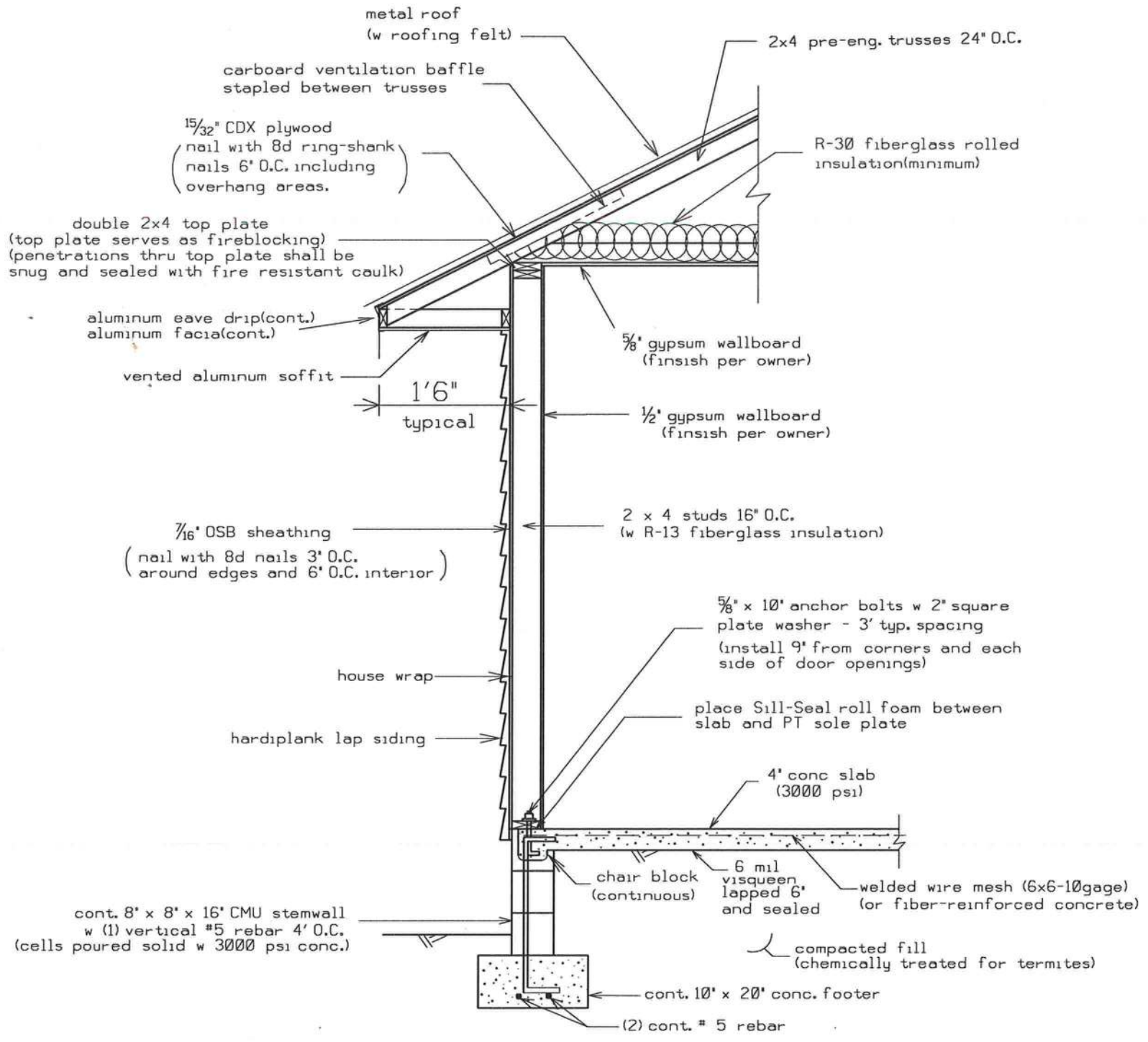
**CARPORT HEADER TO EXTERIOR WALL CONNECTION:**

Install Simpson model HUCQ612-SDS hanger connecting LVL beam to home. Install 14 Simpson SDS ¼"x2½" screws connecting hanger to exterior wall and 6-¼"x2½" SDS screws connecting header beam to hanger.

**PORCH AND CARPORT CEILINGS:**

Install 1x4 SPF lathes 16" on center nailed to trusses with 2-8d nails or install 7/16" OSB sheathing nailed with 8d nails 6" on center and cover with solid aluminum soffit material.

Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.




# DETAIL A - WALL TYPICAL( N.T.S.)

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

WINDOW AND DOOR OPENINGS: 2 - #2 SYP 2X12's w ½" OSB or plywood between, nailed w 3-12d nails 10" on center

PORCH BEAM SHALL BE: 2 - #2 SYP 2X10'S w ½" OSB or plywood between, nailed w 3-12d nails 10" on center

CARPORT HEADER SHALL BE: 3 - #2 SYP 2x12's w ½" OSB or plwood between each ply nailed wi 3-12d nails 10" on center

SYP = SOUTHERN YELLOW PINE

Note: Revised 3/17/16 correcting Florida Building Code used for this design. M.J.H.

Mtg 3-17-16

PLANS PREPARED BY:
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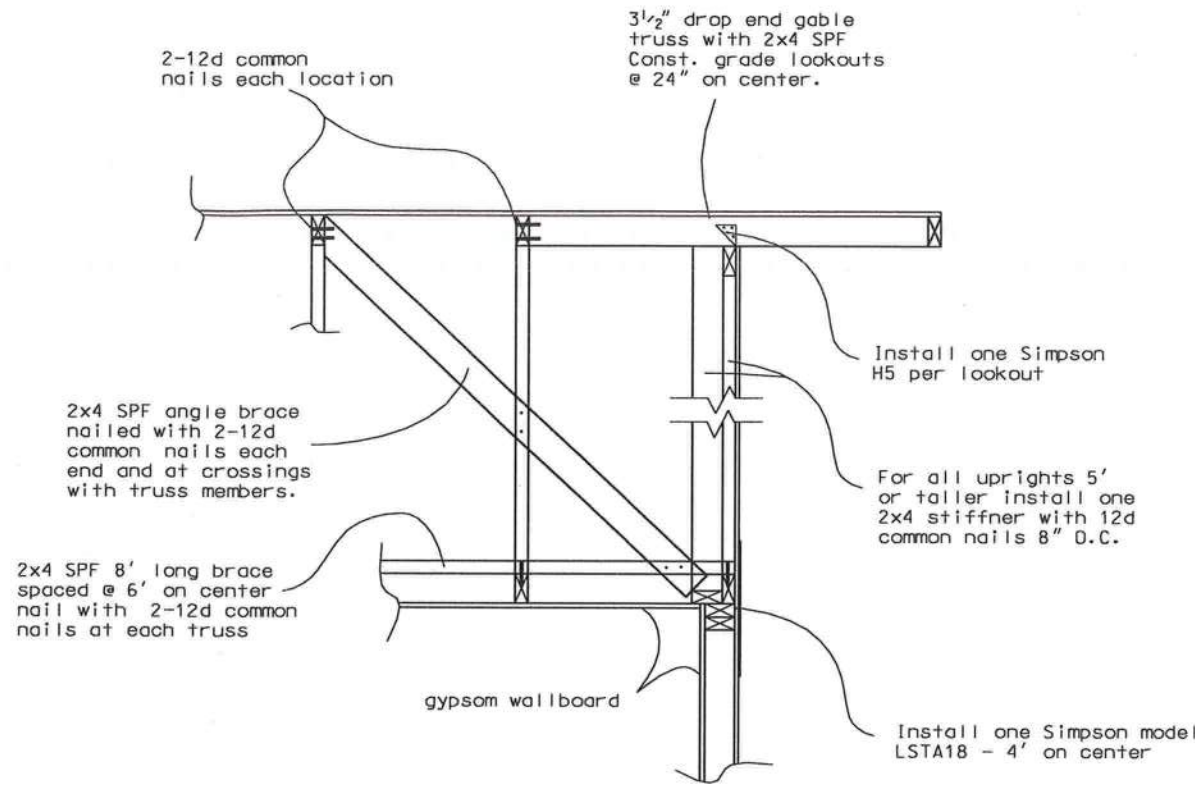
7932 240TH ST.. O'BRIEN. FL 32071

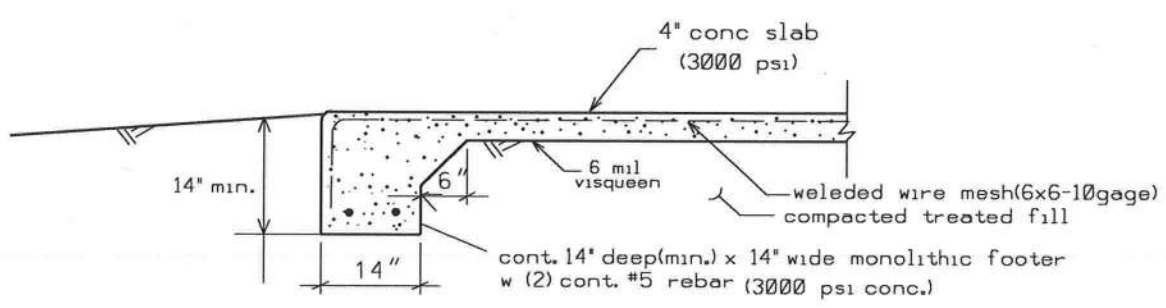
MILLIGAN RESIDENCE PLANS
COLUMBIA COUNTY, FL

SHEET 5 OF 9

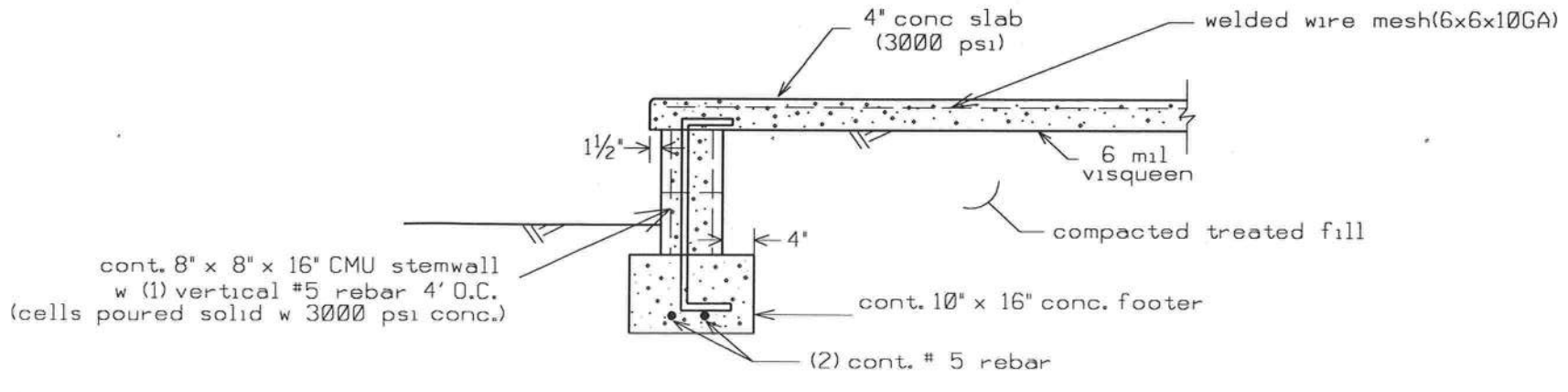



GABLE END BRACING
DETAIL (N.T.S.)

NOTE: Gable end trusses shall be dropped 3½" for construction of lookouts & overhang.




DETAIL "C"
CARPORT FOUNDATION (N.T.S.)




DETAIL B
PORCH FOUNDATION (N.T.S.)

1-6-15

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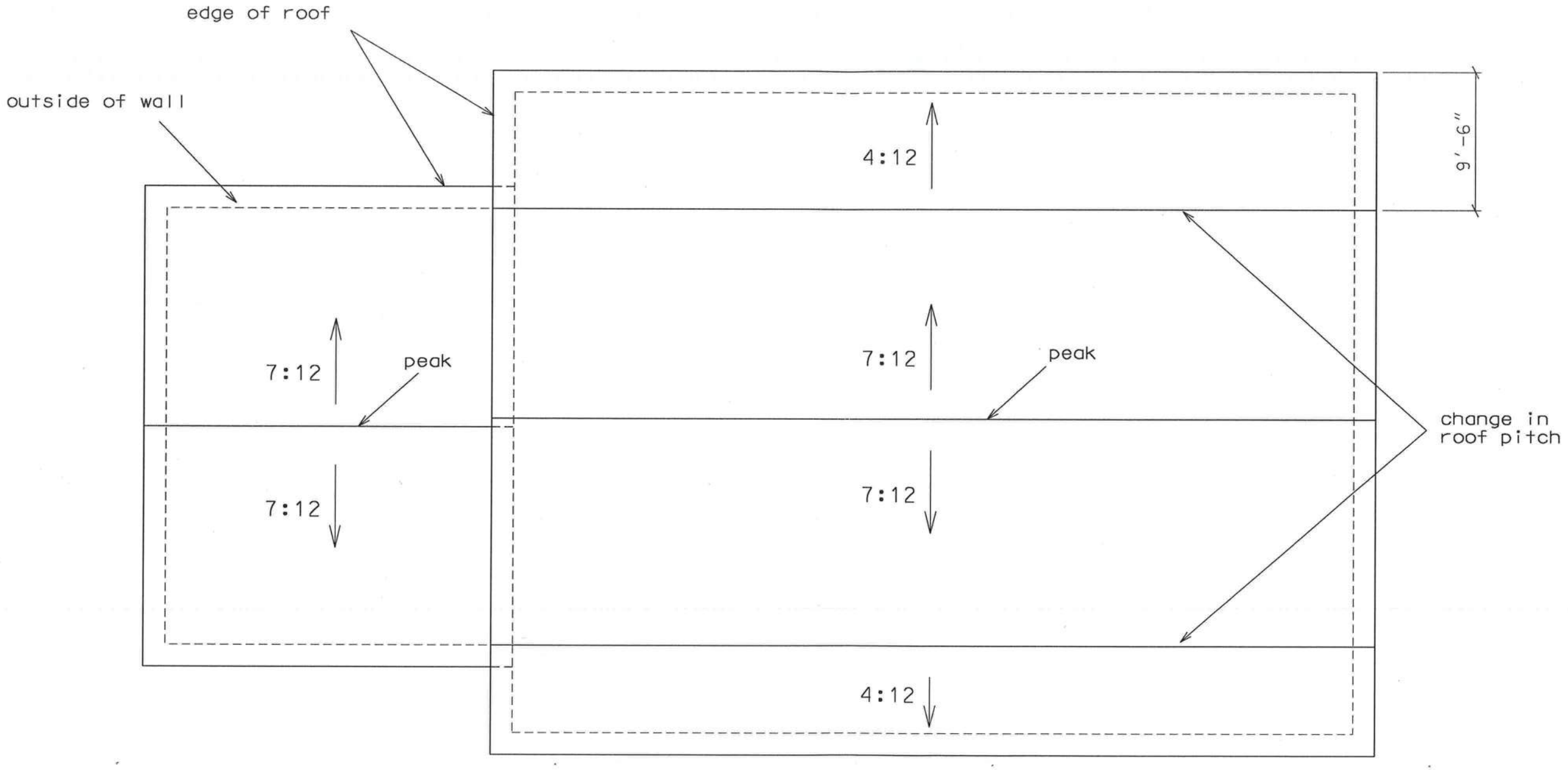
COLUMBIA COUNTY, FL




# ROOF PLAN

0 4' 8'
scale

Marty J. Humphries
1-6-15

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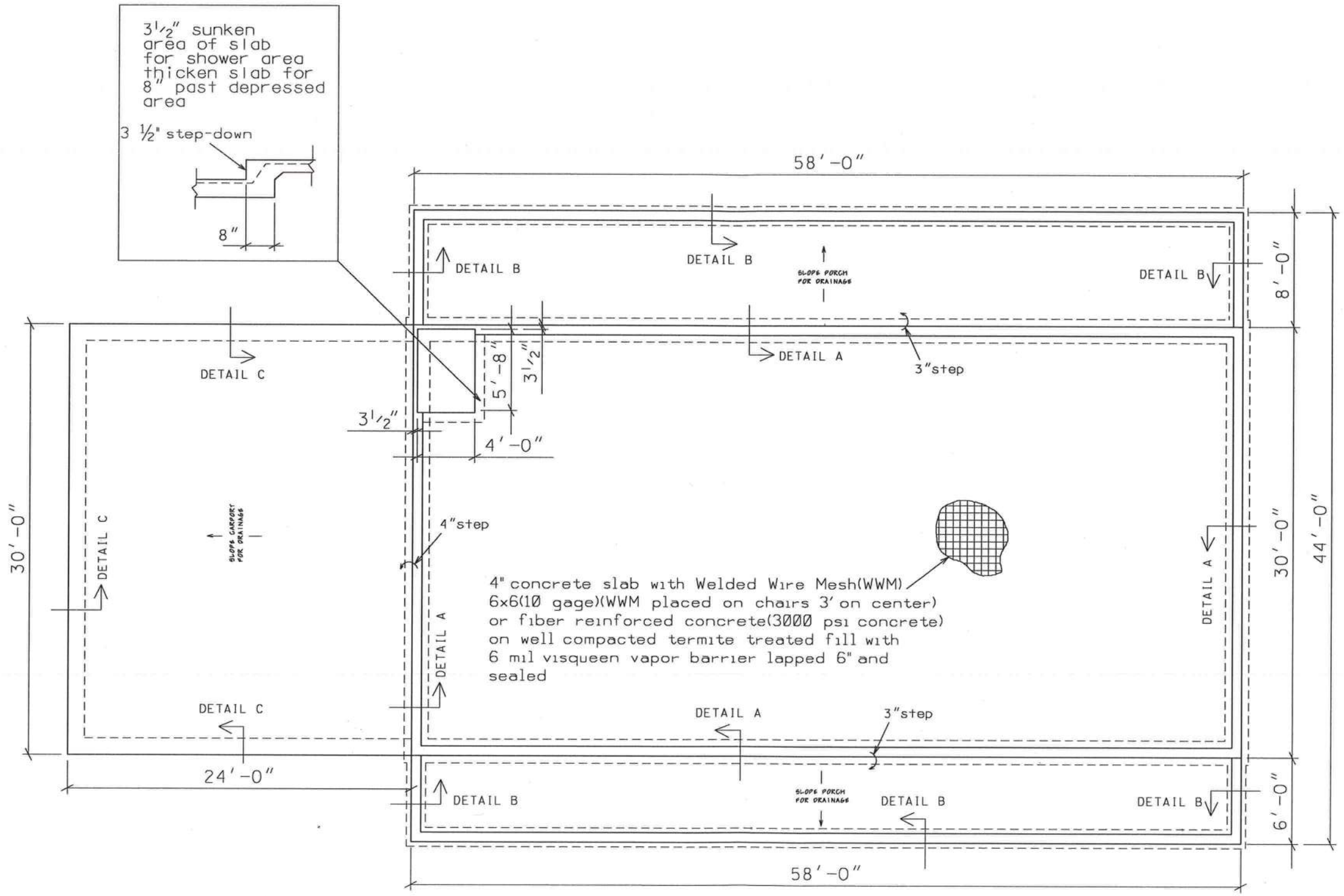


# FOUNDATION PLAN

0 4' 8'
scale

1-6-15

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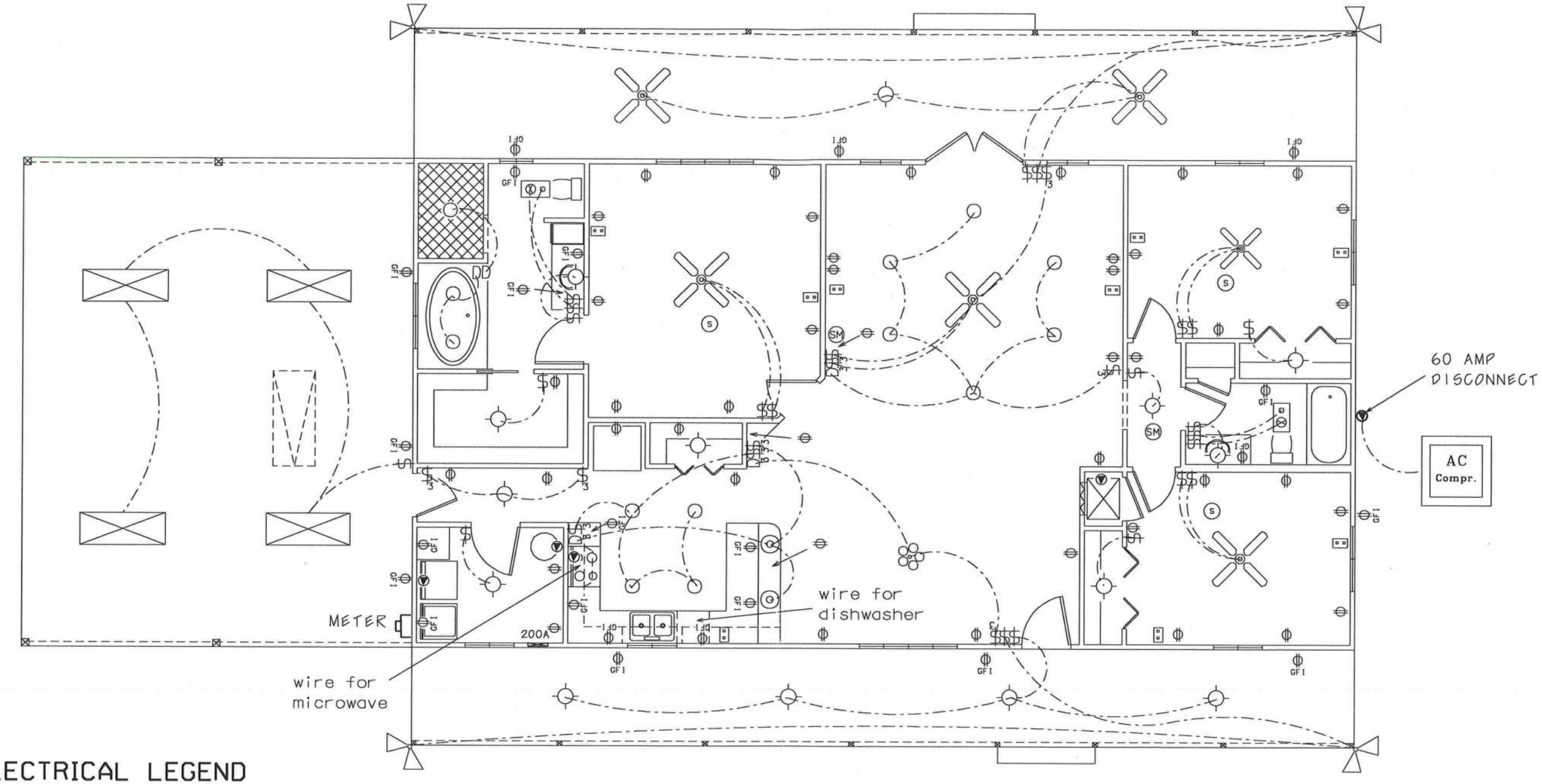
MILLIGAN RESIDENCE PLANS
COLUMBIA COUNTY, FL

SHEET 8 OF 9




## ELECTRICAL LEGEND

- CEILING FAN w LIGHTS
- LIGHT FIXTURE
- O - RECESSED CAN LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- $ - SINGLE POLE SWITCH
- $3 - THREE-WAY SWITCH
- D - DIMMER SWITCH
- D3 - THREE-WAY DIMMER SWITCH
- RECEPT.
- GFI - GFI RECEPT OR PART OF A GFI CIRCUIT.
- FLOURESCENT LIGHT
- SECURITY LIGHT
- EXHAUST WITH LIGHT
- 220 V.
- (S) - SMOKE DETECTOR (AC/DC and interconnected)
- (SM) - SMOKE & CARBON MONOXIED DETECTOR (AC/DC and interconnected)
- COAX & TELEPHONE

# ELECTRICAL PLAN (N.T.S.)

NOTES:

1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.

2.) ALL RECPTS NOT A GFI OR PART OF A GFI CIRCUIT SHALL BE PART OF AN AFCI CIRCUIT.

3.) PLACE 4 LIGHTS IN HOME ATTIC AREA WITH SWITCH NEAR ATTIC ACCESS.

Marty J. Humphries
1-6-15

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MILLIGAN RESIDENCE PLANS
COLUMBIA COUNTY, FL

SHEET 9 OF 9

COLUMBIA COUNTY BUILDING DEPARTMENT
**RESIDENTIAL CHECK LIST**

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2010 EFFECTIVE 15 MARCH 2012 AND THE NATIONAL ELECTRICAL 2008 EFFECTIVE 1 OCTOBER 2009

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2010 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 15 MARCH 2012. NATIONAL ELECTRICAL CODE 2008 EFFECTIVE 1 OCTOBER 2009. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.**

**FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES**

| | GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | | | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|---|---|
| | | | | Yes | No | N/A |
| 1 | Two (2) complete sets of plans containing the following: | | | ✓ | | |
| 2 | All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void | | | ✓ | | |
| 3 | Condition space (Sq. Ft.) 1740 | | Total (Sq. Ft.) under roof 3272 | ✓ | | |

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

**Site Plan information including:**

| | | | | |
|---|---|---|---|---|
| 4 | Dimensions of lot or parcel of land | | | |
| 5 | Dimensions of all building set backs | | | |
| 6 | Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements. | | | |
| 7 | Provide a full legal description of property. 11-4S-17-08317-001 | ✓ | | |

**Wind-load Engineering Summary, calculations and any details are required.**

| | GENERAL REQUIREMENTS:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| 8 | **Plans or specifications must show compliance with FBCR Chapter 3** | **IIIIII YES** | **IIIII NO** | **IIIIII N/A** |
| 9 | Basic wind speed (3-second gust), miles per hour | ✓ | | |
| 10 | (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated) | ✓ | | |
| 11 | Wind importance factor and nature of occupancy | ✓ | | |
| 12 | The applicable internal pressure coefficient, Components and Cladding | ✓ | | |
| 13 | The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional. | ✓ | | |
| | | | | |
| | | | | |
| | | | | |

## Elevations Drawing including:

| | | | | |
|---|---|---|---|---|
| 14 | All side views of the structure | ✓ | | |
| 15 | Roof pitch | ✓ | | |
| 16 | Overhang dimensions and detail with attic ventilation | ✓ | | |
| 17 | Location, size and height above roof of chimneys | ✓ | | |
| 18 | Location and size of skylights with Florida Product Approval | ✓ | | |
| 18 | Number of stories | ✓ | | |
| 20A | Building height from the established grade to the roofs highest peak | ✓ | | |

## Floor Plan including:

| | | | | |
|---|---|---|---|---|
| 20 | Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies | ✓ | | |
| 21 | Raised floor surfaces located more than 30 inches above the floor or grade | | | ✓ |
| 22 | All exterior and interior shear walls indicated | ✓ | | |
| 23 | Shear wall opening shown (Windows, Doors and Garage doors) | ✓ | | |
| 24 | Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass. | ✓ | | |
| 25 | Safety glazing of glass where needed | ✓ | | |
| 26 | Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR) | ✓ | | |
| 27 | Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails | | | ✓ |
| 28 | Identify accessibility of bathroom (see FBCR SECTION 320) | ✓ | | |

**All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)**

| GENERAL REQUIREMENTS:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|

## FBCR 403: Foundation Plans

| | | YES | NO | N/A |
|---|---|---|---|---|
| 29 | Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. | ✓ | | |
| 30 | All posts and/or column footing including size and reinforcing | ✓ | | |
| 31 | Any special support required by soil analysis such as piling. | ✓ | | |
| 32 | Assumed load-bearing valve of soil_____ Pound Per Square Foot | ✓ | | |
| 33 | Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3 | ✓ | | |

## FBCR 506: CONCRETE SLAB ON GRADE

| | | | | |
|---|---|---|---|---|
| 34 | Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) | ✓ | | |
| 35 | Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports | ✓ | | |

## FBCR 318: PROTECTION AGAINST TERMITES

| | | | | |
|---|---|---|---|---|
| 36 | Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. **Protection shall be provided by registered termiticides** | ✓ | | |

## FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

| | | | | |
|---|---|---|---|---|
| 37 | Show all materials making up walls, wall height, and Block size, mortar type | | | ✓ |
| 38 | Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement | | | ✓ |

## Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

## Floor Framing System: First and/or second story

| | | | | |
|---|---|---|---|---|
| 39 | Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer | | | ✓ |
| 40 | Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers | | | ✓ |
| 41 | Girder type, size and spacing to load bearing walls, stem wall and/or priers | | | ✓ |
| 42 | Attachment of joist to girder | | | ✓ |
| 43 | Wind load requirements where applicable | | | ✓ |
| 44 | Show required under-floor crawl space | | | ✓ |
| 45 | Show required amount of ventilation opening for under-floor spaces | | | ✓ |
| 46 | Show required covering of ventilation opening | | | ✓ |
| 47 | Show the required access opening to access to under-floor spaces | | | ✓ |
| 48 | Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & inter of the areas structural panel sheathing | | | ✓ |

| | | | | |
|---|---|---|---|---|
| 49 | Show Draftstopping, Fire caulking and Fire blocking | | | ✓ |
| 50 | Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6 | | | ✓ |
| 51 | Provide live and dead load rating of floor framing systems (psf). | | | ✓ |

## FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

| | GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| | | YES | NO | N/A |
| 52 | Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls | ✓ | | |
| 53 | Fastener schedule for structural members per table IRC 602.3 are to be shown | ✓ | | |
| 54 | Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing | ✓ | | |
| 55 | Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems | ✓ | | |
| 56 | Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1) | ✓ | | |
| 57 | Indicate where pressure treated wood will be placed | ✓ | | |
| 58 | Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas | ✓ | | |
| 59 | A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail | ✓ | | |

## FBCR :ROOF SYSTEMS:

| | | | | |
|---|---|---|---|---|
| 60 | Truss design drawing shall meet section FBCR 802.1.6.1 Wood trusses | ✓ | | |
| 61 | Include a layout and truss details, signed and sealed by Florida Professional Engineer | ✓ | | |
| 62 | Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters | ✓ | | |
| 63 | Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details | ✓ | | |
| 64 | Provide dead load rating of trusses | ✓ | | |

## FBCR 802:Conventional Roof Framing Layout

| | | | | |
|---|---|---|---|---|
| 65 | Rafter and ridge beams sizes, span, species and spacing | | | ✓ |
| 66 | Connectors to wall assemblies' include assemblies' resistance to uplift rating | | | ✓ |
| 67 | Valley framing and support details | | | ✓ |
| 68 | Provide dead load rating of rafter system | | | ✓ |

## FBCR 803 ROOF SHEATHING

| | | | | |
|---|---|---|---|---|
| 69 | Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness | ✓ | | |
| 70 | Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas | ✓ | | |

## ROOF ASSEMBLIES FRC Chapter 9

| | | | | |
|---|---|---|---|---|
| 71 | Include all materials which will make up the roof assembles covering | ✓ | | |
| 72 | Submit Florida Product Approval numbers for each component of the roof assembles covering | ✓ | | |

## FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

| | GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| | | **YES** | **NO** | **N/A** |
| **73** | Show the insulation R value for the following areas of the structure | | | |
| **74** | Attic space | ✓ | | |
| **75** | Exterior wall cavity | ✓ | | |
| **76** | Crawl space | | | ✓ |

## HVAC information

| | | | | |
|---|---|---|---|---|
| **77** | Submit two copies of a Manual J sizing equipment or equivalent computation study | ✓ | | |
| **78** | Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required** | ✓ | | |
| **79** | Show clothes dryer route and total run of exhaust duct | ✓ | | |

## Plumbing Fixture layout shown

| | | | | |
|---|---|---|---|---|
| **80** | All fixtures waste water lines shall be shown on the foundation plan | | | |
| 81 | Show the location of water heater | ✓ | | |

## Private Potable Water

| | | | | |
|---|---|---|---|---|
| **82** | Pump motor horse power | | | |
| **83** | Reservoir pressure tank gallon capacity | | | |
| **84** | Rating of cycle stop valve if used | | | ✓ |

## Electrical layout shown including

| | | | | |
|---|---|---|---|---|
| **85** | Show Switches, receptacles outlets, lighting fixtures and Ceiling fans | ✓ | | |
| **86** | Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A** | ✓ | | |
| **87** | Show the location of smoke detectors & Carbon monoxide detectors | ✓ | | |
| **88** | Show service panel, sub-panel, location(s) and total ampere ratings | ✓ | | |
| **89** | On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. 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. Indicate if the utility company service entrance cable will be of the overhead or underground type.<br><br>**For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3 | ✓ | | |

| | | | | |
|---|---|---|---|---|
| 90 | Appliances and HVAC equipment and disconnects | | | |
| 91 | Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device. | ✓ | | |

**Disclosure Statement for Owner Builders** *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

**Notice Of Commencement**

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

| GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|

**THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS**

| | | YES | NO | N/A |
|---|---|---|---|---|
| 92 | **Building Permit Application** A current On-Line Building Permit Application www.ccpermit.com is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. | ✓ | | |
| 93 | **Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also requested. www.columbiacountyfla.com | ✓ | | |
| 94 | **Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058 | ✓ | | |
| 95 | **City of Lake City** A permit showing an approved waste water sewer tap 386-752-2031 | | | ✓ |
| 96 | **Toilet facilities shall be provided for all construction sites** | ✓ | | |
| 97 | **Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit. | | | ✓ |
| 98 | **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations | | | ✓ |
| 99 | **CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required. | | | ✓ |
| 100 | A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00** | | | ✓ |
| 101 | **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)** Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required. | ✓ | | |
| 102 | **911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 Ext. 3 | ✓ | | |

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

| Category/Subcategory | Manufacturer | Product Description | Approval Number(s) |
|---|---|---|---|
| **1. EXTERIOR DOORS** | Dyke | Fiberglass Doors ✓ | FL-17347.1 |
| A. SWINGING | | | |
| B. SLIDING | | | |
| C. SECTIONAL/ROLL UP | | | |
| D. OTHER | | | |
| | | | |
| **2. WINDOWS** | MI | Atrium Windows ✓ | FL-11834 |
| A. SINGLE/DOUBLE HUNG | | | |
| B. HORIZONTAL SLIDER | | | |
| C. CASEMENT | | | |
| D. FIXED | | | |
| E. MULLION | | | |
| F. SKYLIGHTS | | | |
| G. OTHER | | | |
| | | | |
| **3. PANEL WALL** | Camplank | Siding Boards ✓ | FL-13192 |
| A. SIDING | | | |
| B. SOFFITS | | | |
| C. STOREFRONTS | | | |
| D. GLASS BLOCK | | | |
| E. OTHER | | | |
| | | | |
| **4. ROOFING PRODUCTS** | Union Corrigated | metal Roofing ✓ | FL-7271 |
| A. ASPHALT SHINGLES | | | |
| B. NON-STRUCTURAL METAL | | | |
| C. ROOFING TILES | | | |
| D. SINGLE PLY ROOF | | | |
| E. OTHER | | ✓ | |
| | | | |
| **5. STRUCTURAL COMPONENTS** | Simpsons | Hangers H25-FL-10456.3 | ABUilder-FI10860.4 |
| A. WOOD CONNECTORS | | | |
| B. WOOD ANCHORS | | | |
| C. TRUSS PLATES | | | |
| D. INSULATION FORMS | | | |
| E. LINTELS | | | |
| F. OTHERS | | | |
| | | | |
| **6. NEW EXTERIOR** | | | |
| **ENVELOPE PRODUCTS** | | | |

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.
Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor OR Agent Signature Date

NOTES: _____

## *FLORIDA BUILDING CODE, ENERGY CONSERVATION*

## Residential Building Thermal Envelope Approach

**FORM R402-2014** **Climate Zone ☐**

**Scope:** Compliance with Section R402.1.1 of the *Florida Building Code, Energy Conservation*, shall be demonstrated by the use of Form R402 for single- and multiple-family residences of three stories or less in height, additions to existing residential buildings, alterations, renovations, and building systems in existing buildings, as applicable. To comply, a building must meet or exceed all of the energy efficiency requirements on Table R402A and all applicable mandatory requirements summarized in Table R402B of this form. If a building does not comply with this method, or by the UA Alternative method, it may still comply under Section R405 of the *Florida Building Code, Energy Conservation*.

| | |
|---|---|
| **PROJECT NAME AND ADDRESS:** Milligan 541 S.E. Dell Williams Gln Lake City FL 32025 | **BUILDER:** Mike Todd |
| **OWNER:** Rodney Milligan | **PERMITTING OFFICE:** Columbia County |
| | **JURISDICTION NUMBER:** |
| | **PERMIT NUMBER:** |

**General Instructions:**

1. **Fill in all the applicable spaces of the "To Be Installed" column on Table R402A with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.**
2. **Complete page 1 based on the "To Be Installed" column information.**
3. **Read the requirements of Table R402B and check each box to indicate your intent to comply with all applicable items.**
4. **Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.**

| | | | |
|---|---|---|---|
| 1. | **New construction, addition, or existing building** | 1. New | |
| 2. | **Single-family detached or multiple-family attached** | 2. Single Fam. Det. | |
| 3. | **If multiple-family, number of units covered by this submission** | 3. | |
| 4. | **Is this a worst case? (yes/no)** | 4. no | |
| 5. | **Conditioned floor area (sq. ft.)** | 5. 1940 | |
| 6. | **Windows, type and area** | | |
| | a) *U*-factor: | 6a. .33 | |
| | b) Solar Heat Gain Coefficient (SHGC) | 6b. .20 | |
| | c) Area | 6c. 111 sq. ft. | |
| 7. | **Skylights** | | |
| | a) *U*-factor: | 7a. N-A | |
| | b) Solar Heat Gain Coefficient (SHGC) | 7b. | |
| 8. | **Floor type, area or perimeter, and insulation:** | | |
| | a) Slab-on-grade (*R*-value) | 8a. R-0 | |
| | b) Wood, raised (*R*-value) | 8b. | |
| | c) Wood, common (*R*-value) | 8c. | |
| | d) Concrete, raised (*R*-value) | 8d. | |
| | e) Concrete, common (*R*-value) | 8e. | |
| 9. | **Wall type and insulation:** | | |
| | a) Exterior: 1. Wood frame (Insulation *R*-value) | 9a1. 13 | |
| | 2. Masonry (Insulation *R*-value) | 9a2. | |
| | b) Adjacent: 1. Wood frame (Insulation *R*-value) | 9b1. | |
| | 2. Masonry (Insulation *R*-value) | 9b2. | |
| 10. | **Ceiling type and insulation** | | |
| | a) Attic (Insulation R-value) | 10a. 22/open cell foam | |
| | b) Single assembly (Insulation *R*-value) | 10b. | |
| 11. | **Air distribution system:** | | |
| | a) Duct location, insulation | 11a. Attic R-6 | |
| | b) AHU location | 11b. interior space | |
| | c) Total duct leakage. Test report attached. | 11c. _____ cfm/100 s.f. Yes ☐ No ☐ | |
| 12. | **Cooling system:** a) type | 12a. | |
| | b) efficiency | 12b. 15.75 SEER | |
| 13. | **Heating system:** a) type | 13a. ~~HSPF~~ | |
| | b) efficiency: | 13b. 9 HSPF | |
| 14. | **HVAC sizing calculation: attached** | 14. _____ Yes ☐ No ☐ | |
| 15. | **Water heating system:** a) type | 15a. Electric | |
| | b) efficiency | 15b. -9 | |

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

**I hereby certify that the plans and specifications covered by this form are in compliance with the *Florida Building Code, Energy Conservation*.**
**PREPARED BY:** Mike Todd **Date** 3/10/16
**I hereby certify that this building is in compliance with the *Florida Building Code, Energy Conservation*.**
**OWNER/AGENT:** Mike Todd **Date:** 3/10/16

**Review of plans and specifications covered by this form indicate compliance with the *Florida Building Code, Energy Conservation*. Before construction is complete, this building will be inspected for compliance in accordance with Section 553.908, F.S.**
**CODE OFFICIAL:** _____
**Date:** _____

TABLE R402A

| BUILDING COMPONENT | PRESCRIPTIVE REQUIREMENTS[1] | | INSTALLED VALUES |
|---|---|---|---|
| | Climate Zone 1 | Climate Zone 2 | |
| Windows:<br><br>Skylights | *U*-Factor = 0.65[2]<br>SHGC = 0.25<br>*U*-factor = 0.75<br>SHGC = 0.30 | *U*-Factor = 0.40[2]<br>SHGC = 0.25<br>*U*-factor = 0.65<br>SHGC = 0.30 | *U*-Factor =<br>SHGC =<br>*U*-factor =<br>SHGC = |
| Doors: Exterior door | *U*-factor = 0.65[3] | *U*-factor = 0.40[3] | *U*-factor= |
| Floors:<br>Slab-on-Grade<br>Over unconditioned spaces[4] | <br>NR<br>R-13 | <br>NR<br>R-13 | <br><br>*R*-Value = |
| Walls[4] : Ext. and Adj.<br>Frame<br>Mass<br>Insulation on wall interior:<br>Insulation on wall exterior | <br>R-13<br><br>R-4<br>R-3 | <br>R-13<br><br>R-6<br>R-4 | <br>*R*-Value =<br><br>*R*-Value =<br>*R*-Value = |
| Ceilings[5]: | R=30 | R=38 | *R*-Value = |
| Air infiltration: | Blower door test is required on the building envelope to verify leakage ≤ 5 ACH; test report provided to code official. | | Total leakage = ACH<br>Test report Attached?<br>Yes ☐ No ☐ |
| Air distribution system[5] :<br>Air handling unit<br>Duct *R*-value<br><br>Air leakage[5]:<br>Duct test<br><br>Ducts in conditioned space | <br>Not allowed in attic<br>*R*-value ≥ R-8 (supply in attics) or ≥ R-6 (all other duct locations)<br><br><br>Postconstruction test: Total leakage ≤ 4 cfm/100 s.f.<br>Rough-in test Total leakage ≤ 3 cfm/100 s.f.<br>Test not required if all ducts and AHU are in conditioned space | | <br>Location:<br>*R*-Value =<br><br><br>Total leakage = _____ cfm/100s.f.<br>Test report Attached? Yes ☐ No ☐<br>Location: |
| Air conditioning system:<br>Central system ≤ 65,000 Btu/h<br>Room unit or PTAC<br>Other: | Minimum federal standard required by NAECA[6].<br>SEER 13.0<br>EER [from Table C403.2.3(3)]<br>See Tables C403.2.3(1)-(11) | | <br>SEER=<br>EER = |
| Heating system:<br>Heat pump ≤ 65,000 Btu/h<br>Gas furnace, non-weatherized<br>Oil furnace, non-weatherized<br>Other: | Minimum federal standard required by NAECA[6]<br>HSPF 7.7 (before 1/1/15); HSPF 8.2 (as of 1/1/15)<br>AFUE 80%<br>AFUE 83% | | <br>HSPF =<br>AFUE =<br>AFUE = |
| Water heating system (storage type):<br>Electric[7]<br><br>Gas fired[8]<br><br>Other (describe): | Minimum federal standard required by NAECA[6]<br>40 gal: EF = 0.92<br>50 gal: EF = 0.90<br>40 gal: EF = 0.59<br>50 gal: EF = 0.58 | | <br>Gallons =<br>EF =<br>Gallons =<br>EF = |

NR = No requirement.

(1) Each component present in the As Proposed home must meet or exceed each of the applicable performance criteria in order to comply with this code using this method.

(2) For impact rated fenestration complying with Section R301.2.1.2 of the *Florida Building Code, Residential* or Section 1609.1.2 of the *Florida Building Code, Building* the maximum *U*-factor shall be 0.75 in Climate Zone 1 and 0.65 in Climate Zone 2. An area-weighted average of *U*-factor and SHGC shall be accepted to meet the requirements, or up to 15 square feet of glazed fenestration area are exempted from the *U*-factor and SHGC requirement based on Sections R402.3.1, R402.3.2 and R402.3.3.

(3) One side-hinged opaque door assembly up to 24 square feet is exempted from this *U*-factor requirement.

(4) *R*-values are for insulation material only as applied in accordance with manufacturers' installation instructions. For mass walls, the "interior of wall" requirement must be met except if at least 50 percent of the insulation required for the "exterior of wall" is installed exterior of, or integral to, the wall.

(5) Ducts & AHU installed "substantially leak free" per Section R403.2.2. Test required by an energy rater certified in accordance with Section 553.99, *Florida Statutes*, or as authorized by *Florida Statutes*. The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope.

(6) Minimum efficiencies are those set by the *National Appliance Energy Conservation Act* of 1987 for typical residential equipment and are subject to NAECA rules and regulations. For other types of equipment, see Tables C403.2.3(1-11) of the Commercial Provisions of the *Florida Building Code, Energy Conservation*.

(7) For other electric storage volumes, min. EF = 0.97 - (0.00132 * volume).

(8) For other natural gas storage volumes, min. EF = 0.67 - (0.0019 * volume).

| TABLE R402B MANDATORY REQUIREMENTS | | | |
|---|---|---|---|
| **Component** | **Section** | **Summary of Requirement(s)** | **Check** |
| Air leakage | R402.4 | To be caulked, gasketed, weatherstripped or otherwise sealed per Table R402.4.1.1. Recessed lighting: IC-rated as having ≤ 2.0 cfm tested to ASTM E 283.<br>Windows and doors: 0.3 cfm/sq.ft (swinging doors: 0.5 cfm/sf) when tested to NFRC 400 or AAMA/WDMA/CSA 101/I.S. 2/A440.<br>Fireplaces: Tight-fitting flue dampers & outdoor combustion air. | |
| Programmable thermostat | R403.1.2 | Where forced-air furnace is primary system, a programmable thermostat is required. | |
| Air distribution system | R403.2.2<br>R403.2.4 | Ducts shall be tested to Section 803 of the RESNET standards by an energy rater certified in accordance with Section 553.99, *Florida Statutes*, or as authorized by *Florida Statutes*. Air handling units are not allowed in attics. | |
| Water heaters | R403.4 | Comply with efficiencies in Table C404.2. Hot water pipes insulated to ≥ R-3 to kitchen outlets, other cases. Circulating systems to have an automatic or accessible manual OFF switch. Heat trap required for vertical pipe risers. | |
| Swimming pools & spas | R403.9 | Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency is 82%. Heat pump pool heaters minimum COP is 4.0. | |
| Cooling/heating equipment | R403.6 | Sizing calculation performed & attached. Special occasion cooling or heating capacity requires separate system or variable capacity system. | |
| Lighting equipment | R404.1 | At least 75% of permanently installed lighting fixtures shall be high-efficacy lamps. | |

wrightsoft

# Load Short Form
*Entire House*
**New Age Dimensions, LLC.**

**Job:** Milligan Residence
**Date:** 02/20/2016
**By:** John Pirkl

14080 S.E. 122nd Lane Road, Ocklawaha, FL 32179 Phone: (352) 288 - 0686 Fax: (352) 288 - 0684 Email: john.newage@gmail.com

## Project Information

For: Touchstone Heating & Air, Inc.
490 S.E. 3rd Avenue, Lake Butler, FL 32054
Phone: (386) 496 - 3467 Fax: (386) 496 - 3147

## Design Information

| | Htg | Clg |
|---|---|---|
| Outside db (°F) | 33 | 92 |
| Inside db (°F) | 68 | 75 |
| Design TD (°F) | 35 | 17 |
| Daily range | - | M |
| Inside humidity (%) | 50 | 50 |
| Moisture difference (gr/lb) | 29 | 47 |

**Infiltration**

| | |
|---|---|
| Method | Simplified |
| Construction quality | Semi-tight |
| Fireplaces | 0 |

### HEATING EQUIPMENT

| | |
|---|---|
| Make | York |
| Trade | AFFINITY |
| Model | YZF03013C |
| AHRI ref | 5597547 |

| | |
|---|---|
| Efficiency | 9 HSPF |
| Heating input | |
| Heating output | 29600 Btuh @ 47°F |
| Temperature rise | 27 °F |
| Actual air flow | 1000 cfm |
| Air flow factor | 0.042 cfm/Btuh |
| Static pressure | 0.51 in H2O |
| Space thermostat | |

### COOLING EQUIPMENT

| | |
|---|---|
| Make | York |
| Trade | AFFINITY |
| Cond | YZF03013C |
| Coil | AHV36C++TXV |
| AHRI ref | 5597547 |

| | |
|---|---|
| Efficiency | 13.0 EER,15.75 SEER |
| Sensible cooling | 19740 Btuh |
| Latent cooling | 8460 Btuh |
| Total cooling | 28200 Btuh |
| Actual air flow | 1000 cfm |
| Air flow factor | 0.054 cfm/Btuh |
| Static pressure | 0.51 in H2O |
| Load sensible heat ratio | 0.77 |

| ROOM NAME | Area (ft²) | Htg load (Btuh) | Clg load (Btuh) | Htg AVF (cfm) | Clg AVF (cfm) |
|---|---|---|---|---|---|
| Mstr Bathrm | 142 | 2828 | 1471 | 118 | 79 |
| Mstr WIC | 63 | 689 | 204 | 29 | 11 |
| Utility | 71 | 1950 | 1738 | 81 | 94 |
| Mstr Bedrm | 228 | 2331 | 2033 | 97 | 110 |
| Great Room | 381 | 3659 | 3063 | 153 | 166 |
| Kitchen | 200 | 2371 | 2973 | 99 | 161 |
| Dining Room | 219 | 2900 | 2284 | 121 | 123 |
| Bedroom #3 | 178 | 3258 | 2172 | 136 | 117 |
| Hall Bathrm | 64 | 600 | 189 | 25 | 10 |
| Bedroom #2 | 196 | 3343 | 2377 | 140 | 128 |

COLUMBIA COUNTY BUILDING DEPARTMENT
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Code Compliance
PLANS EXAMINER

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

| | | | | | |
|---|---|---|---|---|---|
| Entire House | 1740 | 23929 | 18505 | 1000 | 1000 |
| Other equip loads | | 3027 | 2822 | | |
| Equip. @ 0.97 RSM | | | 20688 | | |
| Latent cooling | | | 6493 | | |
| TOTALS | 1740 | 26956 | 27180 | 1000 | 1000 |

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: 641772 - MIKE TODD - MILLIGAN RES.

**MiTek USA, Inc.**
6904 Parke East Blvd.
Tampa, FL 33610-4115

**Site Information:**
Customer Info: Mike Todd Const. Project Name: 621772 Model: Milligan Res.
Lot/Block: Subdivision:
Address: 341 SW Billowing Gln
City: Columbia Cty State: FL

**Name Address and License # of Structural Engineer of Record, If there is one, for the building.**
Name: Unknown at time of seals License #: Unknown at time of seals
Address: Unknown at time of seals
City: Unknown at time of seals State: Unknown at time of seals

**General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):**
Design Code: FBC2014/TPI2007 Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 4 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

| No. | Seal# | Truss Name | Date |
|---|---|---|---|
| 1 | T8250807 | T01 | 3/17/016 |
| 2 | T8250808 | T01G | 3/17/016 |
| 3 | T8250809 | T02 | 3/17/016 |
| 4 | T8250810 | T02G | 3/17/016 |


The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2017.

**IMPORTANT NOTE:** Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.


Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 17,2016

| Job | Truss | Truss Type | Qty | Ply | MIKE TODD - MILLIGAN RES. | |
|---|---|---|---|---|---|---|
| 641772 | T01 | COMMON TRUSS | 11 | 1 | Job Reference (optional) | T8250807 |

Builders FirstSource, Lake City, FL 32055

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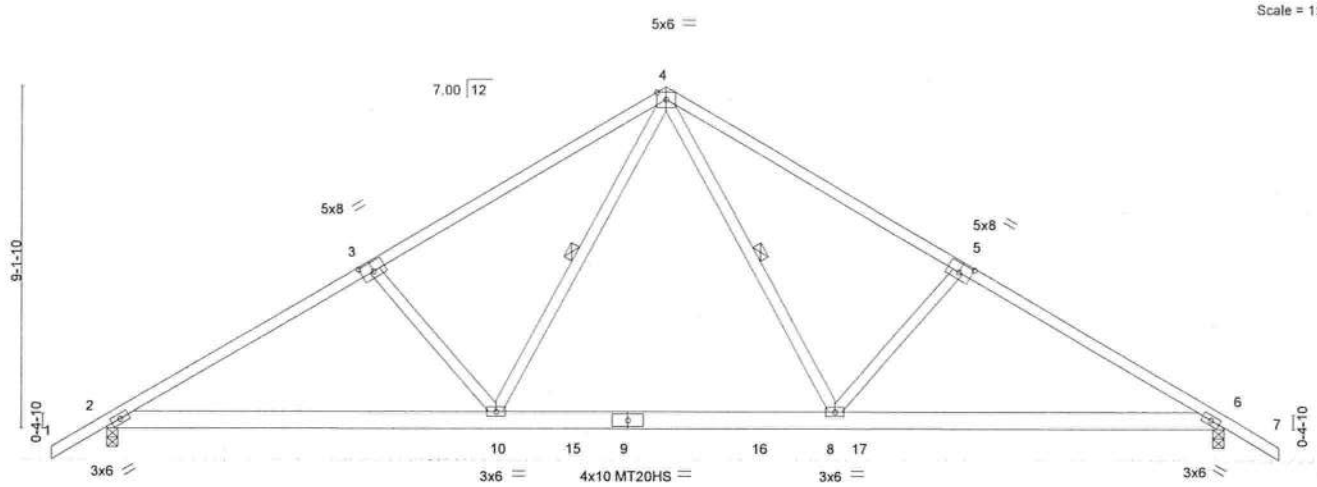
ID:LpDt46RNiiZgYhbFnUCAPvzqZmx-bpK52dlZE1IccDoqYMA6IFi7khvYcdnhpL0J6tza4zp

| -1-6-0 | 7-2-0 | 15-0-0 | 22-10-0 | 30-0-0 | 31-6-0 |
|---|---|---|---|---|---|
| 1-6-0 | 7-2-0 | 7-10-0 | 7-10-0 | 7-2-0 | 1-6-0 |

Scale = 1:58.3




| 10-5-7 | 19-6-9 | 30-0-0 |
|---|---|---|
| 10-5-7 | 9-1-2 | 10-5-7 |

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [5:0-4-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.83 | Vert(LL) | 0.38 | 8-10 | >941 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.78 | Vert(TL) | -0.44 | 8-10 | >815 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.63 | Horz(TL) | 0.07 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2014/TPI2007 | | (Matrix-M) | | | | | | | Weight: 171 lb | FT = 20% |

**LUMBER-**

TOP CHORD 2x4 SP M 31 *Except*
1-3,5-7: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 2-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-8-8 oc bracing.
WEBS 1 Row at midpt 4-8, 4-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=1478/0-3-8, 6=1491/0-3-8
Max Horz 2=-300(LC 10)
Max Uplift 2=-592(LC 12), 6=-598(LC 13)

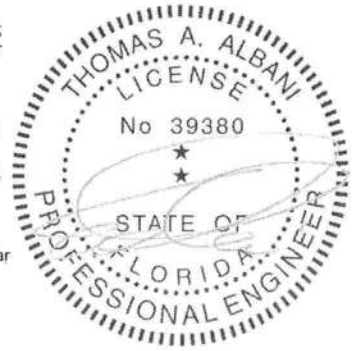
**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3032/2499, 3-4=-2799/2470, 4-5=-2830/2498, 5-6=-3063/2526
BOT CHORD 2-10=-2021/2523, 10-15=-1217/1608, 9-15=-1217/1608, 9-16=-1217/1608, 8-16=-1217/1608, 8-17=-2051/2560, 6-17=-2051/2560
WEBS 4-8=-1276/1275, 5-8=-571/398, 4-10=-1225/1216, 3-10=-571/398

**NOTES-** (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=592, 6=598.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-20, 10-17=-80(F=-60), 6-17=-20




Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 17,2016

| Job | Truss | Truss Type | Qty | Ply | MIKE TODD - MILLIGAN RES. | T8250808 |
|---|---|---|---|---|---|---|
| 641772 | T01G | GABLE | 1 | 1 | Job Reference (optional) | |

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ID:LpDt46RNiiZgYhbFnUCAPvzqZmx-XCSrTJmqmeZJrXyDgnCaNgnTDUgE4ZT_GfVQBIza4zn

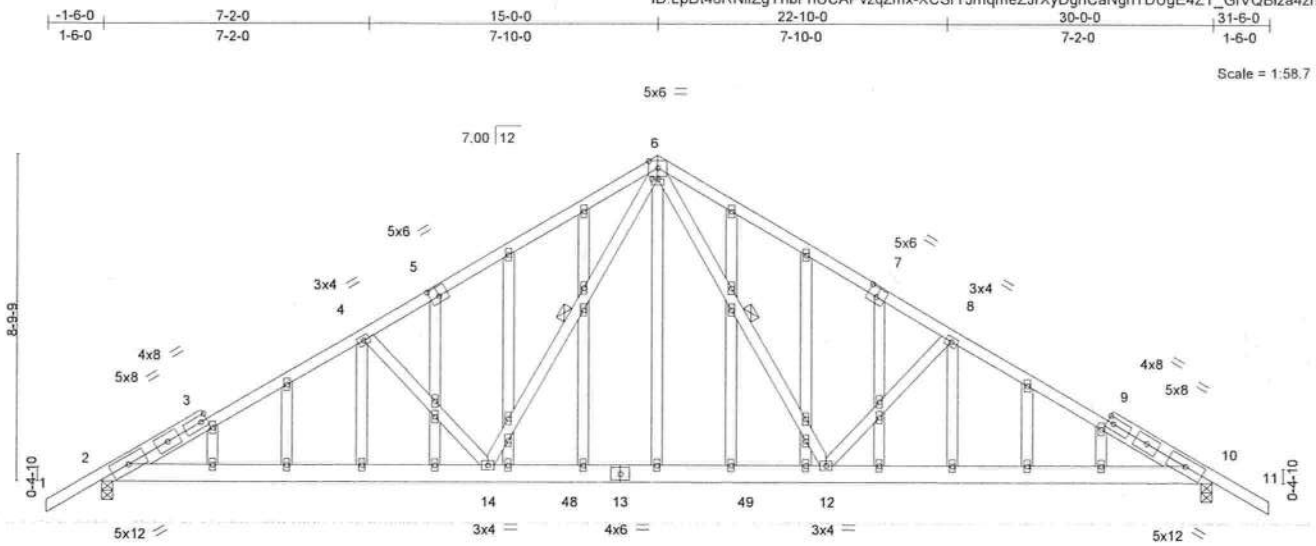


Plate Offsets (X,Y)-- [5:0-3-0,0-3-0], [6:0-2-0,0-0-0], [7:0-3-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.77 | Vert(LL) | 0.25 | 12-44 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.51 | Vert(TL) | -0.29 | 12-44 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.42 | Horz(TL) | 0.06 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2014/TPI2007 | | (Matrix-M) | | | | | | | Weight: 258 lb | FT = 20% |

**LUMBER-**

TOP CHORD 2x4 SP No.1 *Except* 1-3,9-11: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-2-5 oc bracing.
WEBS 1 Row at midpt 6-12, 6-14

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 2=1191/0-3-8, 10=1191/0-3-8
Max Horz 2=-289(LC 10)
Max Uplift 2=-462(LC 12), 10=-462(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1813/1878, 3-4=-1802/1913, 4-5=-1596/1821, 5-6=-1476/1851, 6-7=-1476/1851, 7-8=-1596/1821, 8-9=-1801/1913, 9-10=-1813/1878
BOT CHORD 2-14=-1563/1577, 14-48=-825/975, 13-48=-825/975, 13-49=-825/975, 12-49=-825/975, 10-12=-1571/1577
WEBS 6-12=-909/657, 8-12=-525/468, 6-14=-909/657, 4-14=-525/468

**NOTES-** (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=462, 10=462.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 17,2016



MiTek
6904 Parke East Blvd.
Tampa, FL 33610

| Job | Truss | Truss Type | Qty | Ply | MIKE TODD - MILLIGAN RES. | T8250809 |
|---|---|---|---|---|---|---|
| 641772 | T02 | SPECIAL TRUSS | 28 | 1 | Job Reference (optional) | |

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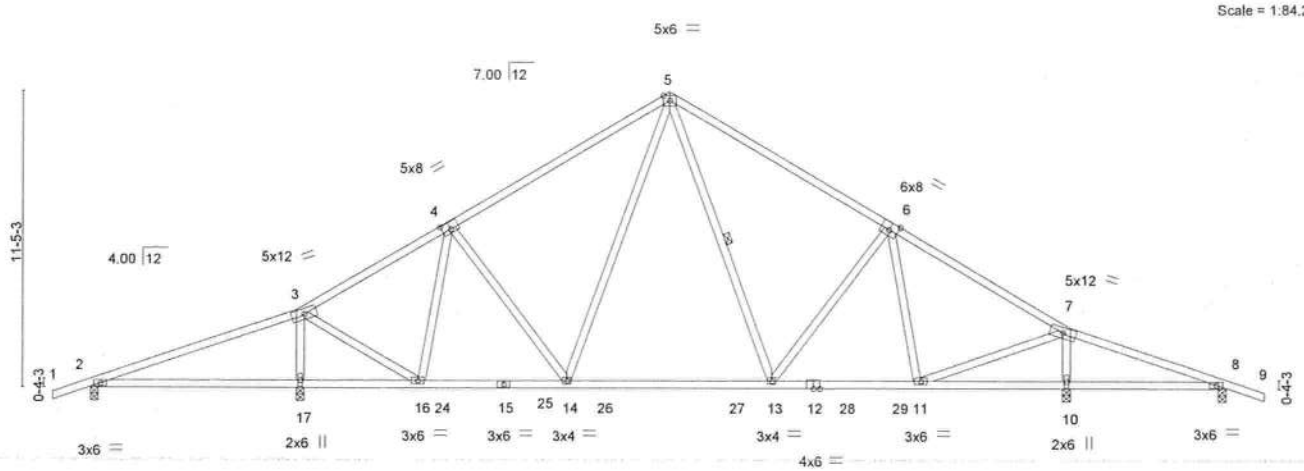
ID:LpDt46RNiiZgYhbFnUCAPvzqZmx-?O0DhfnSXyhATgXPEVjpvtKexuwfpvX8VJEzjCza4zm

| 1-6-0 | 8-0-0 | 13-10-4 | 22-5-2 | 31-0-0 | 38-0-0 | 44-0-0 | 45-6-0 |
|---|---|---|---|---|---|---|---|
| 1-6-0 | 8-0-0 | 5-10-4 | 8-6-14 | 8-6-14 | 7-0-0 | 6-0-0 | 1-6-0 |

Scale = 1:84.2




| 8-0-0 | 8-1-12 | 12-9-15 | 18-5-12 | 26-4-9 | 32-0-6 | 38-0-0 | 44-0-0 |
|---|---|---|---|---|---|---|---|
| 8-0-0 | 0-1-12 | 4-8-3 | 5-7-13 | 7-10-13 | 5-7-13 | 5-11-10 | 6-0-0 |

Plate Offsets (X,Y)-- [4:0-4-0,0-3-4], [6:0-4-0,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.77 | Vert(LL) | 0.40 | 13-14 | >883 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.88 | Vert(TL) | -0.59 | 13-14 | >603 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.88 | Horz(TL) | 0.03 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2014/TPI2007 | | (Matrix-M) | | | | | | | Weight: 241 lb | FT = 20% |

**LUMBER-**

TOP CHORD 2x4 SP No.2 *Except* 4-5,5-6: 2x4 SP M 31

BOT CHORD 2x4 SP No.2 *Except* 12-15: 2x4 SP No.1

WEBS 2x4 SP No.3

**BRACING-**

TOP CHORD Structural wood sheathing directly applied.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS 1 Row at midpt 5-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 0-3-8.

(lb) - Max Horz 2=248(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) except 2=-403(LC 8), 17=-692(LC 12), 10=-622(LC 13), 8=-303(LC 9)

Max Grav All reactions 250 lb or less at joint(s) except 2=367(LC 25), 17=1687(LC 1), 10=1574(LC 1), 8=288(LC 26)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-166/396, 3-4=-1502/677, 4-5=-1943/994, 5-6=-2035/1032, 6-7=-1848/797

BOT CHORD 2-17=-257/216, 16-17=-364/241, 16-24=-420/1322, 24-25=-420/1322, 15-25=-420/1322, 14-15=-420/1322, 14-26=-294/1180, 26-27=-294/1180, 13-27=-294/1180, 12-13=-520/1567, 12-28=-520/1567, 28-29=-520/1567, 11-29=-520/1567, 10-11=-280/157

WEBS 3-17=-2035/867, 3-16=-580/1762, 4-16=-872/446, 4-14=-182/306, 5-14=-327/586, 5-13=-417/814, 6-13=-199/283, 6-11=-568/338, 7-11=-643/1845, 7-10=-1912/838

**NOTES-** (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 403 lb uplift at joint 2, 692 lb uplift at joint 17 , 622 lb uplift at joint 10 and 303 lb uplift at joint 8.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

**LOAD CASE(S)** Standard


Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 17,2016

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 5-7=-54, 7-9=-54, 14-18=-20, 13-14=-80(F=-60), 13-21=-20

| Job | Truss | Truss Type | Qty | Ply | MIKE TODD - MILLIGAN RES. | T8250810 |
|---|---|---|---|---|---|---|
| 641772 | T02G | GABLE | 2 | 1 | Job Reference (optional) | |

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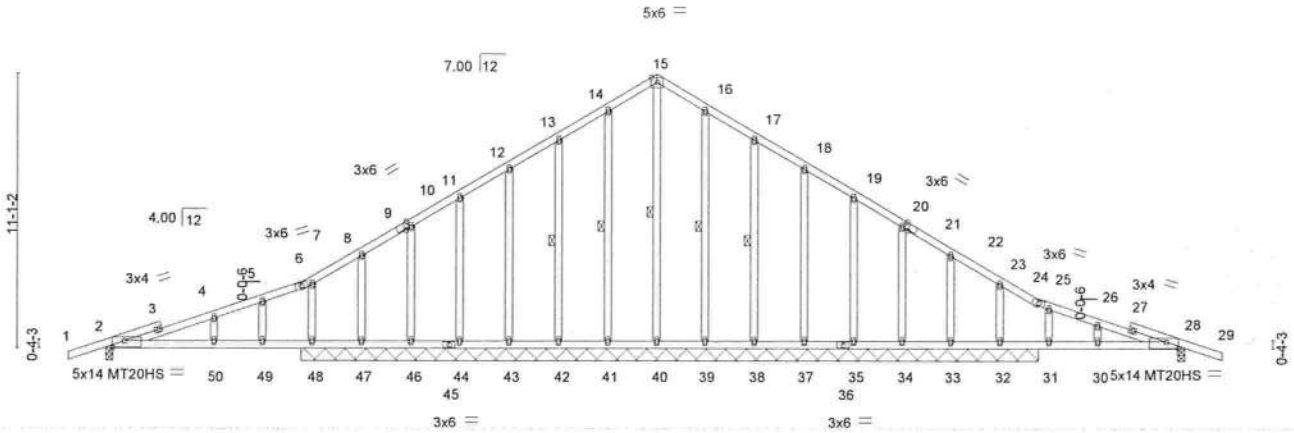
ID:LpDt46RNiiZgYhbFnUCAPvzqZmx-xn8_6Lpi3Zxui_goLvlH_IP3pigvHziRydj4o4za4zk

1-6-0 | 8-0-0 | 22-5-2 | 38-0-0 | 44-0-0 | 45-6-0

1-6-0 | 8-0-0 | 14-5-2 | 15-6-14 | 6-0-0 | 1-6-0

Scale = 1:88.2




8-0-0 | 44-0-0

8-0-0 | 36-0-0

Plate Offsets (X,Y)-- [2:0-5-13,0-3-4], [9:0-2-3,Edge], [21:0-2-3,Edge], [28:0-5-13,0-3-4]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.49 | Vert(LL) | 0.25 | 2-50 | >398 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.57 | Vert(TL) | -0.30 | 2-50 | >335 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.20 | Horz(TL) | 0.02 | 28 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2014/TPI2007 | (Matrix) | | | | | | | Weight: 294 lb | FT = 20% |

**LUMBER-**

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

OTHERS 2x4 SP No.3

**BRACING-**

TOP CHORD Structural wood sheathing directly applied or 8-1-5 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS 1 Row at midpt 15-40, 14-41, 13-42, 16-39, 17-38

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 30-0-0 except (jt=length) 2=0-3-8, 28=0-3-8.

(lb) - Max Horz 48=252(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 40, 41, 44, 39, 35, 33 except 2=-288(LC 8), 28=-252(LC 9), 42=-105(LC 12), 43=-103(LC 12), 46=-140(LC 12), 47=-184(LC 23), 48=-494(LC 8), 38=-106(LC 13), 37=-102(LC 13), 34=-126(LC 13), 32=-249(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 41, 42, 43, 44, 46, 39, 38, 37, 35, 34, 33 except 2=304(LC 23), 28=271(LC 24), 40=380(LC 22), 47=336(LC 8), 48=651(LC 23), 32=535(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-389/244, 3-4=-376/250, 4-5=-373/254, 5-6=-354/267, 6-7=-371/297, 7-8=-292/257, 8-9=-290/246, 9-10=-283/282, 10-11=-245/284, 11-12=-209/300, 12-13=-172/312, 13-14=-135/330, 14-15=-118/328, 15-16=-118/324, 16-17=-72/298, 17-18=-97/271, 18-19=-134/270, 19-20=-170/268, 20-21=-229/279, 23-24=-380/306, 24-25=-364/263, 25-26=-379/266, 26-27=-381/265, 27-28=-389/262

BOT CHORD 2-50=-256/450, 49-50=-256/450, 48-49=-256/450, 47-48=-265/439, 46-47=-265/439, 45-46=-265/439, 44-45=-265/439, 43-44=-265/439, 42-43=-265/439, 41-42=-265/439, 40-41=-265/439, 39-40=-265/439, 38-39=-265/439, 37-38=-265/439, 36-37=-265/439, 35-36=-265/439, 34-35=-265/439, 33-34=-265/439, 32-33=-265/439, 31-32=-265/439, 30-31=-265/439, 28-30=-265/439

WEBS 15-40=-340/84, 7-48=-297/300, 23-32=-275/252

**NOTES-** (11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.


Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

March 17,2016

NOTES- (11)

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

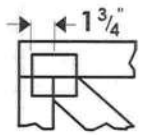
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 40, 41, 44, 39, 35, 33 except (jt=lb) 2=288, 28=252, 42=105, 43=103, 46=140, 47=184, 48=494, 38=106, 37=102, 34=126, 32=249.

10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

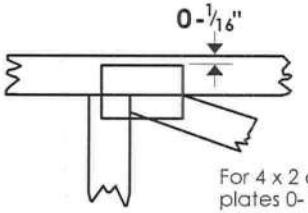
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

# Symbols

### PLATE LOCATION AND ORIENTATION




Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.




For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

*** Plate location details available in MiTek 20/20 software or upon request.**

### PLATE SIZE

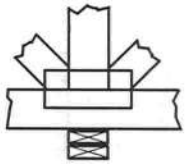
4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

### LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

### BEARING

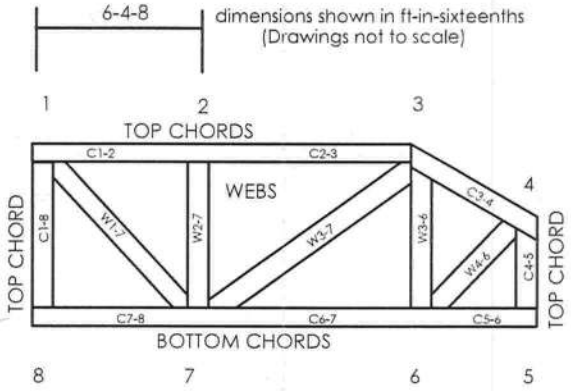


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

**Industry Standards:**

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System




**JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.**

**CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.**

### PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.



MiTek

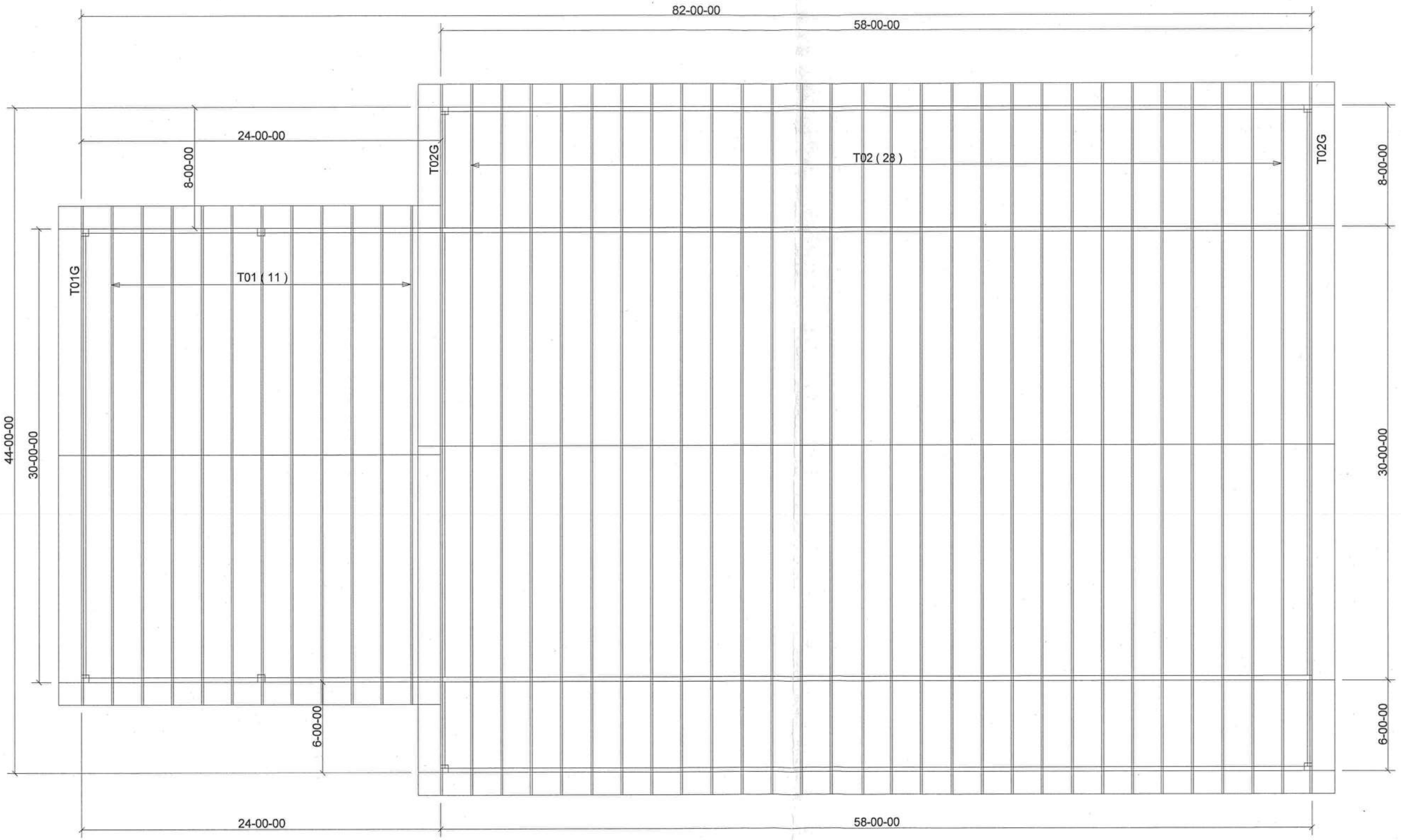


# General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

# 7/12 - 4/12 PITCH - 18" O/H




BEARING HEIGHT SCHEDULE

| | |
|---|---|
| | 9' 1-1/8" |

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.


Builders FirstSource

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Tampa
PHONE: 813-621-9831 FAX: 813-628-8956

Freeport
PHONE: 850-835-4541 FAX: 850-835-6835


| | | |
|---|---|---|
| BUILDER: MIKE TODD CONST. | | |
| LEGAL ADDRESS: MILLIGAN RES. | | |
| MODEL: CUSTOM | | Revision: / Rev. By: |
| DATE: 1-29-15 | DESIGNED: KLH | Original Reference #: 641772 |
| 1st Level Job #: | 2nd Level Job #: | Roof Job #: 641772 |

MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYERHAUSER PRODUCT #'s 1630.2 - 1630.10

ck# 1129

**Columbia County Building Permit Application** "OBSOLETE" 4/1/2016

For Office Use Only Application # 1603-57 Date Received 3-15-16 By LH Permit # 33898 / 22278

Zoning Official DMS Date 3-24-16 Flood Zone X Land Use A Zoning A-3

FEMA Map # _____ Elevation 1' above MFE _____ River _____ Plans Examiner T.C Date 3-24-16

Comments _____

☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Well letter ☐ 911 Sheet ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

IMPACT FEES: EMS _____ Fire _____ Corr _____ ☐ Sub VF Form

Road/Code _____ School _____ = TOTAL (Suspended) ☐ Ellisville Water ☐ App Fee Paid

Septic Permit No. 16-0068 Tim Stall Fax _____

Name Authorized Person Signing Permit ~~Mike Todd~~ Phone 386-755-4387

Address 129 NE Colburn Ave. Lake City FL 32055

Owners Name C. Rodney Milligan Phone 397-5457

911 Address 541 SE Della Williams Glen Lake City FL 32025

Contractors Name Mike Todd Phone 386-755-4387

Address 129 NE Colburn Ave. Lake City FL 32055

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Marty D. Humphries 7932 240th St. O'Brien FL 32071

Mortgage Lenders Name & Address Peoples State Bank 350 SW Main Blvd Lake City FL 32025

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progress Energy

Property ID Number 11-4S-17-08317-001 Estimated Cost of Construction 92,000.00

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions Hwy 41 South, Left on Hwy 252

Approx 2.3 mi Rt on Della Williams 1st on Left

_____ Number of Existing Dwellings on Property 0

Construction of Residence Total Acreage 5.39 Lot Size 5.39

Do you need a - Culvert Permit or (Culvert Waiver) or Have an Existing Drive Total Building Height 20'

Actual Distance of Structure from Property Lines - Front 150' Side 150' Side 140' Rear 370'

Number of Stories 1 Heated Floor Area 1740 Total Floor Area 3272 Roof Pitch 7/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE:** Florida Building Code 2010 and the 2008 National Electrical Code.

 **Revised 3-15-12**

Stw left MSG 3.29.16

**TIME LIMITATIONS OF APPLICATION :** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**TIME LIMITATIONS OF PERMITS:** Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment:** According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full.
This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

**NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:** ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

**WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

**OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.**

**NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them.** These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

**(Owners Must Sign All Applications Before Permit Issuance.)**

**Owners Signature** ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

**CONTRACTORS AFFIDAVIT:** By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

**Contractor's Signature (Permitee)**

**Contractor's License Number** CGC062209
**Columbia County**
**Competency Card Number** 539

**Affirmed under penalty of perjury to by the Contractor and subscribed before me this** 11 **day of** March **20** 16.

**Personally known** ✓ **or Produced Identification** _____

**State of Florida Notary Signature (For the Contractor)**

**SEAL:**

LAURIE HODSON
MY COMMISSION # EE 214728
EXPIRES: July 14, 2016
Bonded Thru Notary Public Underwriters

# Columbia County Building Department
# Culvert Waiver

**Culvert Waiver No.**
**000002278**

DATE: 03/29/2016 BUILDING PERMIT NO. 33898

APPLICANT TIM STALL PHONE 755-4387

ADDRESS 129 NE COLBURN AVE LAKE CITY FL 32055

OWNER RODNEY MILLIGAN PHONE 397-5457

ADDRESS 541 SE DELLA WILLIAMS GLEN LAKE CITY FL 32025

CONTRACTOR MIKE TODD PHONE 755-4387

LOCATION OF PROPERTY 441 S, L 252, R DELLA WILLIAMS, 1ST ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT

PARCEL ID # 11-4S-17-08317-001

**I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.**

**SIGNATURE:** X

**A SEPARATE CHECK IS REQUIRED**
**MAKE CHECKS PAYABLE TO BCC**

**Amount Paid 50.00**

---

**PUBLIC WORKS DEPARTMENT USE ONLY**

**I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:**

✓ APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

SIGNED: DATE: 4-1-16

**ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955**

COLUMBIA COUNTY, FLORIDA

CR # 10-6194

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 16-0068
DATE PAID: 2/2/16
FEE PAID: 370.00
RECEIPT #: DA1449

APPLICATION FOR:

[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: CLARENCE RODNEY MILLIGAN

AGENT: PAUL LLOYD TELEPHONE: (386) 397-5457

MAILING ADDRESS: 341 SW BILLOWING GLN. LAKE CITY FL 32024

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: N/A BLOCK: N/A SUBDIVISION: METES AND BOUNDS PLATTED: _____

PROPERTY ID #: 11-4S-17-08317-001 ZONING: AG I/M OR EQUIVALENT: [ NO ]

PROPERTY SIZE: 5.390 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [ NO ] DISTANCE TO SEWER: N/A FT

PROPERTY ADDRESS: 541 SW DELLA WILLIAMS GLE. LAKE CITY

DIRECTIONS TO PROPERTY: 90 EAST TURN RIGHT ON HWY 100, TURN RIGHT ON PRICE CREEK RD. TURN LEFT ON DELLA WILLIAMS GLN. LAST ON LEFT.

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

| Unit No. | Type of Establishment | No. of Bedrooms | Building Area Sqft | Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC |
|---|---|---|---|---|
| 1 | HOUSE | 3 | 1,740 | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

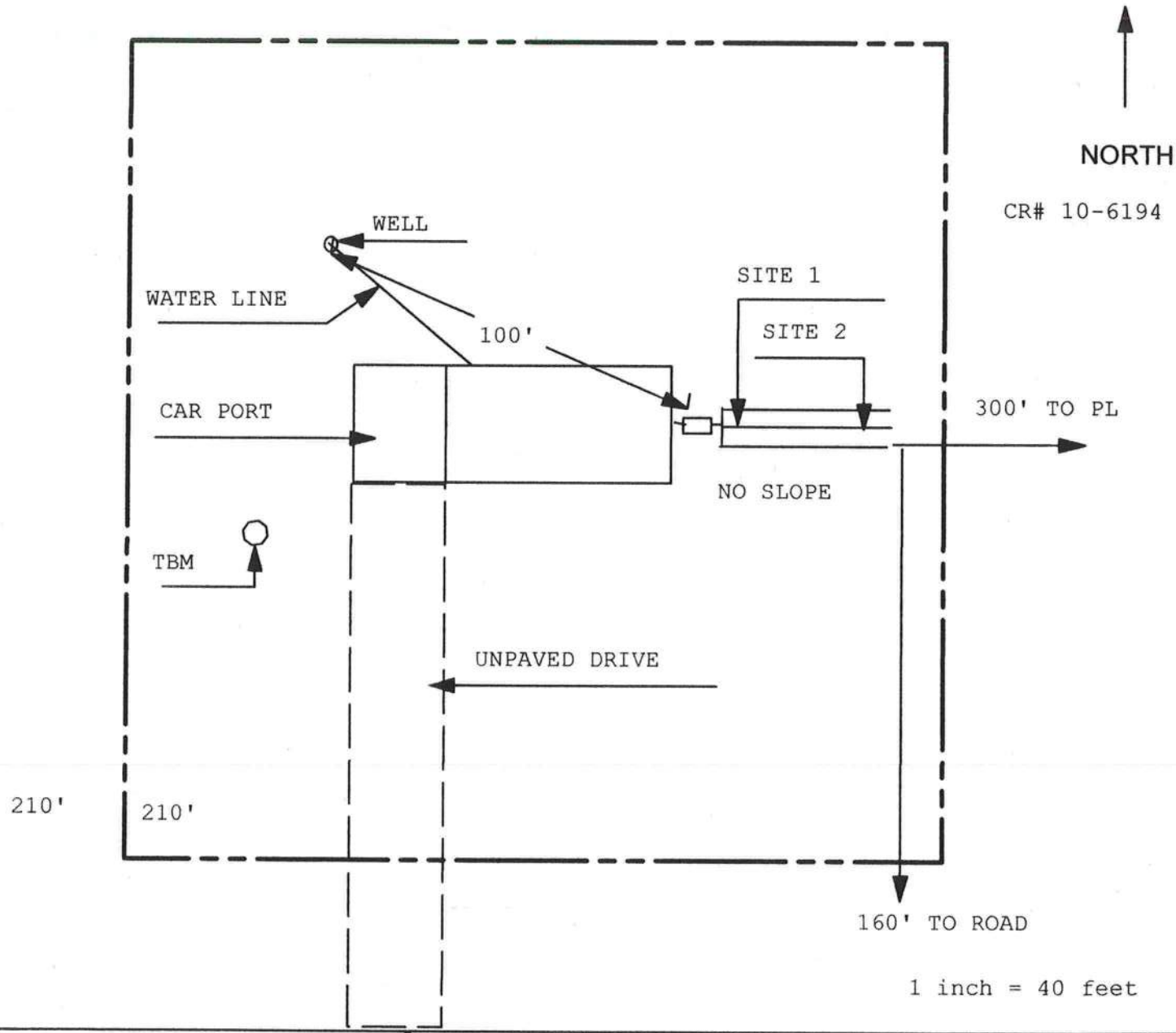
SIGNATURE: Paul Lloyd DATE: 2/7/16

DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

# Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

**Permit Application Number:** 16-0068

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**




Site Plan Submitted By Paul Lloyd Date 2/2/16

Plan Approved X Not Approved ___ Date 2/2/16

By _____ Columbia CPHU

Notes: _____

# NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

Clerk's Office Stamp

Inst:201612004256 Date:3/10/2016 Time:2:40 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1311 P:439

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: 11-4S-17-08317-001
   a) Street *(job)* Address: 541 SE Della Williams Lake City, FL 32025
2. General description of improvements: Residential Construction
3. Owner Information
   a) Name and address: Rodney Milligan
   b) Name and address of fee simple titleholder (if other than owner)
   c) Interest in property
4. Contractor Information
   a) Name and address: Mike Todd 129 NE Columbian Lake City, FL 32055
   b) Telephone No.: 386-365-4387 Fax No. (Opt.)
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: Peoples State Bank 35 SW Main Blvd Lake City FL 32025
   b) Phone No. 386 754 0002
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Contractor Same as above
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: Contractor - Same as above
   b) Telephone No.: Fax No. (Opt.)
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

**WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Mike Todd
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Mike Todd Contractor
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 10 day of March, 2016, by: Mike Todd as Agent of Rodney Milligan (e.g. officer, trustee, attorney fact) for (name of party on behalf of whom instrument was executed).

Personally Known ✓ OR Produced Identification ___ Type ___

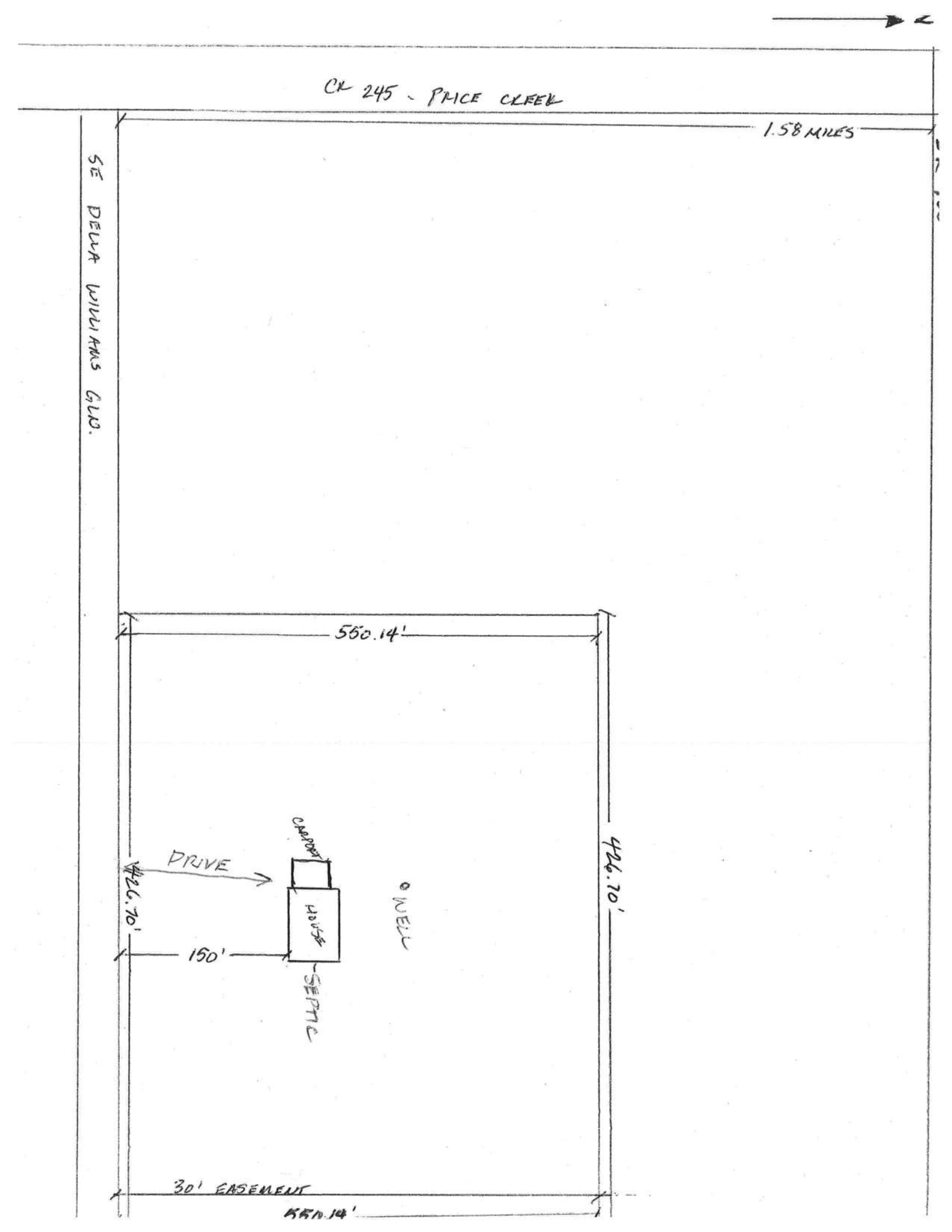
Notary Signature

Notary Stamp or Seal:
CAROLYN A. PADGETT
NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXPIRES
April 27, 2019
#FF 009624
Bonded thru Notary Public Underwriters

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing (in line #10 above.)


CR 245 - PRICE CREEK
1.58 MILES
SE DELNA WILLIAMS GLN.
550.14'
426.70'
CARPORT
DRIVE
HOUSE
WELL
SEPTIC
150'
426.70'
30' EASEMENT
550.14'

# COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

## Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

**DATE REQUESTED:** 1/29/2015 **DATE ISSUED:** 2/2/2015

**ENHANCED 9-1-1 ADDRESS:**

541 SE DELLA WILLIAMS GLN

LAKE CITY FL 32025

**PROPERTY APPRAISER PARCEL NUMBER:**

11-4S-17-08317-001

**Remarks:**

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL.

**Address Issued By:** _____

**Columbia County 9-1-1 Addressing / GIS Department**

***NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.***

3087

Hall's Pump & Well Service, Inc. 904 NW Main Blvd Lake City FL. 32055

386-752-1854

Date: 03/10/2016

Well Letter of Compliance
Contractor:
Re: Mike Todd Construction

- Please be advised that due to the new building codes our minimum well size will be 4 inch in diameter.
- Pump size 1-1/2 hp, 230 volt, single ph, pump and motor
- Drop pipe size, 1-1/4" inch
- 4 Inch black steel well casing, 235mm wall thickness
- Tank sized, PC 244, 81 gallon, will supply a 23.9 gal. draw down at 40/60 pressure setting.
- All wells will have a pump and tank combination that will be sufficient enough for each situation.

If you have any questions please feel free to call our office @ 386-752-1854

**Thanks,**
**Benjamin Dicks,**
**Office Coordinator,**
**Hall's Pump and Well Services, Inc.**
**904 NW Main Blvd.**
**Lake City, FL 32055**
**(P): (386)752-1854**

# Columbia County Property Appraiser

updated: 3/7/2016

## 2015 Tax Year

Tax Collector | Tax Estimato | Property Card | Parcel List Generator | Interactive GIS Map | Print

**Parcel:** 11-4S-17-08317-001

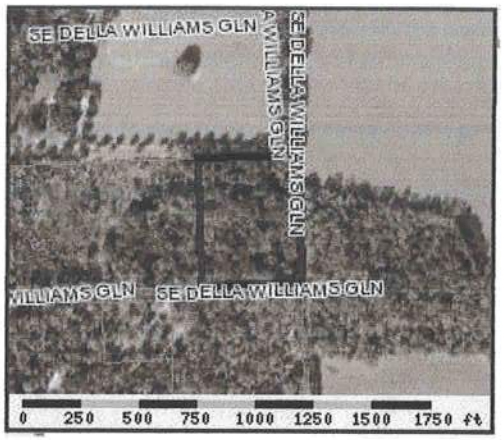
<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 1

### Owner & Property Info

| | | | |
|---|---|---|---|
| **Owner's Name** | MILLIGAN CLARENCE RODNEY | | |
| **Mailing Address** | 341 SW BILLOWING GLN<br>LAKE CITY, FL 32024 | | |
| **Site Address** | | | |
| **Use Desc. (code)** | VACANT (000000) | | |
| **Tax District** | 3 (County) | **Neighborhood** | 11417 |
| **Land Area** | 5.390 ACRES | **Market Area** | 02 |
| **Description** | NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. | | |

COMM NE COR OF SE1/4 OF NW1/4, RUN S 1127.98 FT FOR POB, CONT S 550.14 FT TO N R/W OF A 50 CO RD, W ALONG R/W 426.70 FT, N 550.14 FT, E 426.70 FT TO POB. WD 921-2063, QC 1184-955, WD 1282-804,




### Property & Assessment Values

| 2015 Certified Values | | |
|---|---|---|
| **Mkt Land Value** | cnt: (0) | $29,150.00 |
| **Ag Land Value** | cnt: (1) | $0.00 |
| **Building Value** | cnt: (0) | $0.00 |
| **XFOB Value** | cnt: (0) | $0.00 |
| **Total Appraised Value** | | $29,150.00 |
| **Just Value** | | $29,150.00 |
| **Class Value** | | $0.00 |
| **Assessed Value** | | $29,150.00 |
| **Exempt Value** | | $0.00 |
| **Total Taxable Value** | | Cnty: $29,150<br>Other: $29,150 \| Schl: $29,150 |

| 2016 Working Values ( ...Hide Values) | | |
|---|---|---|
| **Mkt Land Value** | cnt: (0) | $29,150.00 |
| **Ag Land Value** | cnt: (1) | $0.00 |
| **Building Value** | cnt: (0) | $0.00 |
| **XFOB Value** | cnt: (0) | $0.00 |
| **Total Appraised Value** | | $29,150.00 |
| **Just Value** | | $29,150.00 |
| **Class Value** | | $0.00 |
| **Assessed Value** | | $29,150.00 |
| **Exempt Value** | | $0.00 |
| **Total Taxable Value** | | Cnty: $29,150<br>Other: $29,150 \| Schl: $29,150 |

NOTE: **2016 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.**

### Sales History

Show Similar Sales within 1/2 mile

| Sale Date | OR Book/Page | OR Code | Vacant / Improved | Qualified Sale | Sale RCode | Sale Price |
|---|---|---|---|---|---|---|
| 10/1/2014 | 1282/804 | WD | V | U | 30 | $100.00 |
| 2/11/2005 | 1184/955 | QC | V | U | 01 | $100.00 |
| 3/1/2001 | 921/2063 | WD | V | Q | | $32,000.00 |

### Building Characteristics

| Bldg Item | Bldg Desc | Year Blt | Ext. Walls | Heated S.F. | Actual S.F. | Bldg Value |
|---|---|---|---|---|---|---|
| NONE | | | | | | |

### Extra Features & Out Buildings

| Code | Desc | Year Blt | Value | Units | Dims | Condition (% Good) |
|---|---|---|---|---|---|---|
| NONE | | | | | | |

### Land Breakdown

**SUBCONTRACTOR VERIFICATION FORM**

APPLICATION NUMBER 1603-57 CONTRACTOR Mike Todd PHONE 386-755-4387

**THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT**

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

***Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.***

| | | |
|---|---|---|
| **ELECTRICAL** 205 | Print Name Kimberly For Kenny Moore & Sons | Signature Randal Travis -V7 ON file for Randy |
| | License #: ER0000691 | Phone #: 386 752-6565 |
| **MECHANICAL/ A/C** 747 | Print Name Richard Mark Touchstone, | Signature Richard M T |
| | License #: CAC058099 | Phone #: 386-867-0625, |
| **PLUMBING/ GAS** 498 | Print Name Hometown Plumbing | Signature Don Bibby |
| | License #: CFC1728890 | Phone #: 386-754-6140 |
| **ROOFING** 539 | Print Name [illegible] | Signature [illegible] |
| | License #: CGC062109 | Phone #: 386-755-4387 |
| **SHEET METAL** | Print Name | Signature |
| | License #: | Phone #: |
| **FIRE SYSTEM/ SPRINKLER** | Print Name | Signature |
| | License#: | Phone #: |
| **SOLAR** | Print Name | Signature |
| | License #: | Phone #: |

| Specialty License | License Number | Sub-Contractors Printed Name | Sub-Contractors Signature |
|---|---|---|---|
| MASON | CGC062109 | [illegible] | |
| CONCRETE FINISHER | " | [illegible] | |
| FRAMING | " | [illegible] | |
| INSULATION | " | [illegible] | |
| STUCCO | | | |
| DRYWALL | CGC062109 | [illegible] | |
| PLASTER | | | |
| CABINET INSTALLER | CGC062109 | [illegible] | |
| PAINTING | " | [illegible] | |
| ACOUSTICAL CEILING | | | |
| GLASS | | | |
| CERAMIC TILE | | | |
| FLOOR COVERING | CGC062109 | [illegible] | |
| ALUM/VINYL SIDING | | | |
| GARAGE DOOR | | | |
| METAL BLDG ERECTOR | | | |

#539

**F. S. 440.103 Building permits; identification of minimum premium policy.**--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

004425

**BUILDING DEPARTMENT**
COLUMBIA COUNTY, FLORIDA
135 NE Hernando Avenue ~ PH: 386-758-1008
Lake City, FL 32055

DATE 3-15-16

RECEIVED FROM: Mike Todd (3-11-16)

DOLLARS $ 15.00

Application ☒ No: 1603-57 Milligan

Cash or Check 542

Pre-Inspection ☐

Service Change ☐

Re-Inspection ☐

Copies ☐

Board of County Commissioners/Building Department

Cash Signature

By: ZKD

# CERTIFICATE OF OCCUPANCY

## COLUMBIA COUNTY, FLORIDA

## Department of Building and Zoning Inspection

***This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.***

**Parcel Number** 11-4S-17-08317-001 **Building permit No.** 000033898

**Use Classification** SFD, UTILITY **Fire:** 152.80

**Permit Holder** MIKE TODD **Waste:** 160.90

**Owner of Building** RODNEY MILLIGAN **Total:** 313.70

**Location:** 541 SE DELLA WILLIAMS GLN, LAKE CITY, FL 32025

**Date:** 12/30/2016

Building Inspector

**POST IN A CONSPICUOUS PLACE**
***(Business Places Only)***

# Notice of Treatment

**Applicator:** Florida Pest Control · (www.flapest .com)
Address: 536 SE Baya Dr
City Lake City FL Phone 386-752-1703

**Site Location**: Subdivision
Lot # Block# Permit # 33898
Address 541 SE Della Williams Glen

| Product used | Active Ingredient | % Concentration |
|---|---|---|
| ☑ Premise | Imidacloprid | 0.1% |
| ☐ Termidor | Fipronil | 0.12% |
| ☐ | | |

**Type treatment:** ☑ Soil

| Area Treated | Square feet | Linear feet | Gallons Applied |
|---|---|---|---|
| main body | 3292 | 202 | 300 |
| Garage/front porch | | | |
| Back porch | | | |
| | | | |

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____

Date Time Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

2/12 ©