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Columbia County Remodel Permit Application

13497

For Office Use Only Application # 44242 Date Received 12/26 By JW Permit # 39129
Zoning Official LW/CH Date 12-27-19 Flood Zone X Land Use LLD Zoning RSF-1
FEMA Map # _____ Elevation _____ MFE above River _____ Plans Examiner Z.C. Date 1-2-20
Comments road
☒ NOC ☐ Deed or PA ☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor
☐ F W Comp. letter ☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid
☒ Sub VF Form ☒ SITE PLAN ☒ EN ☒ LLC document

20-0008

Fax (386) 719-9899

Applicant (Who will sign/pickup the permit) Matthew A. Erking Phone (386) 754-5555
Address 248 SE NASSAU ST. LAKE CITY, FL 32025
Owners Name Audrey S Bullard, LLC Phone (386) 365-1171
911 Address 182 Crystal Glen, Lake City 32025
Contractors Name Erking, MATTHEW Phone (386) 754-5555
Address 248 SE Nassau St. Lake City, FL 32025
Contractor Email info@erkinghomes.com ***Include to get updates on this job.

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Disosway, MARK, PE 163 SW Midtown Place
Mortgage Lenders Name & Address _____ Suite 103
LAKE CITY, FL 32025

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Duke Energy

Property ID Number 18-45-17-08463-000 Estimated Construction Cost 30K

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Driving Directions from a Major Road SR 47 south, Turn Right onto
Crystal Glen, second lot on left

Construction of Attached Carport Commercial OR ☒ Residential

Type of Structure (House; Mobile Home; Garage; Exxon) Site Built

Use/Occupancy of the building now Residential Is this changing No

If Yes, Explain, Proposed Use/Occupancy _____

Is the building Fire Sprinkled? _____ If Yes, blueprints included ☒ Or Explain _____

Entrance Changes (Ingress/Egress) ☒ If Yes, Explain _____

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) _____

W Sent email 1.3.20

SCANNED

Columbia County Building Permit Application

CODE: Florida Building Code 2014 and the 2011 National Electrical Code.

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.

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 pursued in good faith or a permit has been issued.

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 CONTRACTOR AND AGENT: **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 COMMENCEMENT 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.

Andrey S. Buliam
Print Owners Name

Andrey Buliam
Owners Signature

****Property owners must sign here before any permit will be issued.**

****If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

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.

John F. Floyd, Pres.
Contractor's Signature

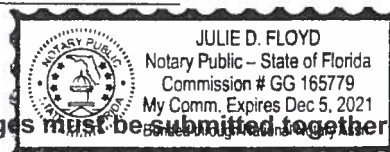
Contractor's License Number CRC1330825
Columbia County
Competency Card Number 154

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 2nd day of December 2019.

Personally known ☒ or Produced Identification ☐

Julie D. Floyd
State of Florida Notary Signature (For the Contractor)

SEAL:



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SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 44242 JOB NAME Bollard

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. 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 general contractors permit.

NOTE: It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

Use website to confirm licenses: <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

ELECTRICAL <input checked="" type="checkbox"/>	Print Name <u>Mark Matthews</u> Signature <u>[Signature]</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>76</u>	Company Name: <u>Matthews Electric</u> License #: <u>EC 13005959</u> Phone #: <u>386-344-2029</u>	
MECHANICAL/A/C <input checked="" type="checkbox"/>	Print Name <u>Richard C Register</u> Signature <u>[Signature]</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>1052</u>	Company Name: <u>Registers Heating & Air</u> License #: <u>CAC041267</u> Phone #: <u>904-384-2862</u>	
PLUMBING/GAS <input checked="" type="checkbox"/>	Print Name <u>Colby Burrows</u> Signature <u>[Signature]</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>715</u>	Company Name: <u>Colby Burrows Plumbing</u> License #: <u>CFC 1427145</u> Phone #: <u>786-623-0509</u>	
ROOFING <input checked="" type="checkbox"/>	Print Name <u>WILLIAM POWELL</u> Signature <u>[Signature]</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>1034</u>	Company Name: <u>POWELL & SONS ROOFING INC</u> License #: <u>CC-C051307</u> Phone #: <u>386-209-5198</u>	
SHEET METAL <input type="checkbox"/>	Print Name _____ Signature _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	
FIRE SYSTEM/SPRINKLER <input type="checkbox"/>	Print Name _____ Signature _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	
SOLAR <input type="checkbox"/>	Print Name _____ Signature _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	
STATE SPECIALTY <input type="checkbox"/>	Print Name _____ Signature _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	

Columbia County Property Appraiser

Jeff Hampton

Parcel: << 18-4S-17-08463-000 >>

2020 Working Values
updated: 11/27/2019

Owner & Property Info

Owner	AUDREY BULLARD LLC P O BOX 1733 LAKE CITY, FL 32056		
Site	182 CRYSTAL GLN, LAKE CITY		
Description*	COMM NE COR OF SE1/4 OF NW1/4, RUN S 60 FT FOR POB, RUN W 296.26 FT, S 256.83 FT, E 622.90 FT TO W R/W SR-47, RUN NLY ALONG R/W 264.87 FT, W 343.68 FT TO POB, EX THE E 200 FT & EX THAT PORTION DESC ORB 740-680, 343-387, 350-736 794-1550, WD 1042-1942, PR...more>>>		
Area	2.4 AC	S/T/R	18-4S-17
Use Code**	SINGLE FAM (000100)	Tax District	2

*The Description above is not to be used as the legal Description for this parcel in any legal transaction.
**The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (1)	\$23,496	Mkt Land (1)	\$23,496
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (1)	\$99,193	Building (1)	\$100,875
XFOB (1)	\$100	XFOB (1)	\$100
Just	\$122,789	Just	\$124,471
Class	\$0	Class	\$0
Appraised	\$122,789	Appraised	\$124,471
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$122,789	Assessed	\$124,471
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$122,789 city:\$122,789 other:\$122,789 school:\$122,789	Total Taxable	county:\$124,471 city:\$124,471 other:\$124,471 school:\$124,471

Sales History

Aerial Viewer Pictometry Google Maps



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Detail by Entity Name

Florida Limited Liability Company
AUDREY BULLARD, LLC

Filing Information

Document Number L17000060939
FEI/EIN Number 82-0955468
Date Filed 03/16/2017
State FL
Status ACTIVE

Principal Address

2753 EAST US HWY 90
LAKE CITY, FL 32055

Mailing Address

PO BOX 1733
LAKE CITY, FL 32056

Registered Agent Name & Address

BULLARD, AUDREY S
1826 SW SR 47
LAKE CITY, FL 32025

Authorized Person(s) Detail

Name & Address

Title MGR

BULLARD, AUDREY S
PO BOX 1733
LAKE CITY, FL 32056

Annual Reports

Report Year	Filed Date
2018	01/17/2018
2019	02/08/2019

Document Images

[02/08/2019 -- ANNUAL REPORT](#) [View image in PDF format](#)

[01/17/2018 -- ANNUAL REPORT](#) [View image in PDF format](#)

[03/16/2017 -- Florida Limited Liability](#) [View image in PDF format](#)

Legend

2018Aerials



Roads

Roads

others

Dirt

Interstate

Main

Other

Paved

Private

LidarElevations



SRWMD Wetlands

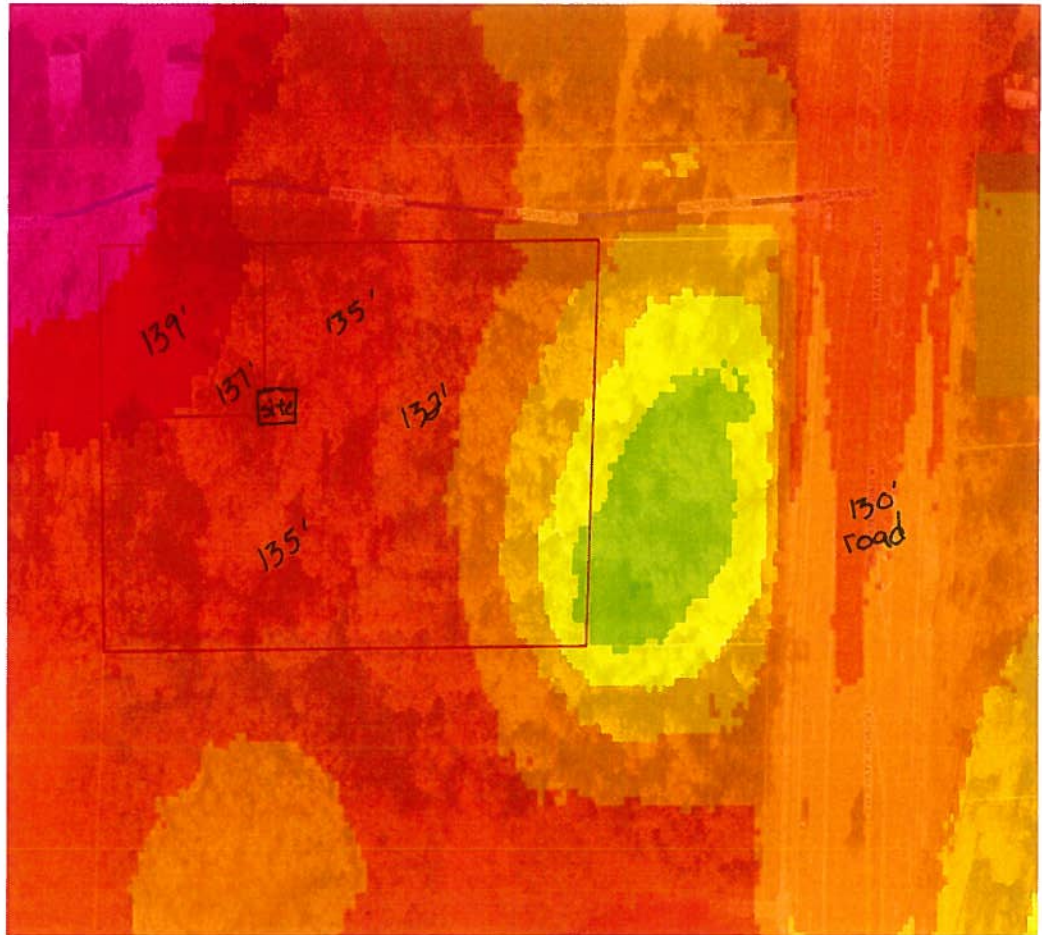


Parcels

2018 Flood Zones

Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Dec 30 2019 08:05:56 GMT-0500 (Eastern Standard Time)



Parcel Information

Parcel No: 18-4S-17-08463-000

Owner: AUDREY BULLARD LLC

Subdivision:

Lot:

Acres: 2.51872277

Deed Acres: 2.4 Ac

District: District 5 Tim Murphy

Future Land Uses: Residential - Very Low

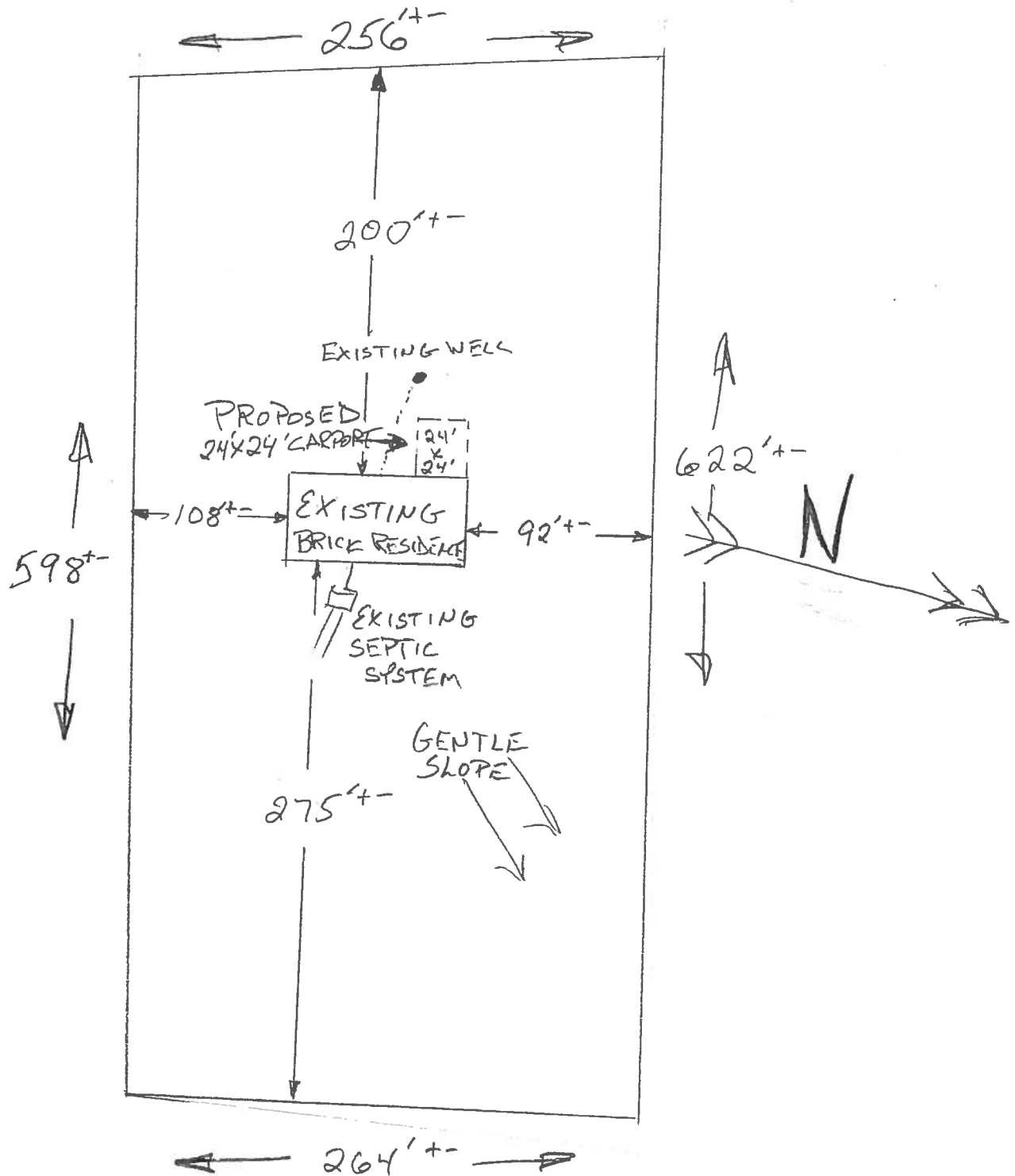
Flood Zones:

Official Zoning Atlas: RSF-1

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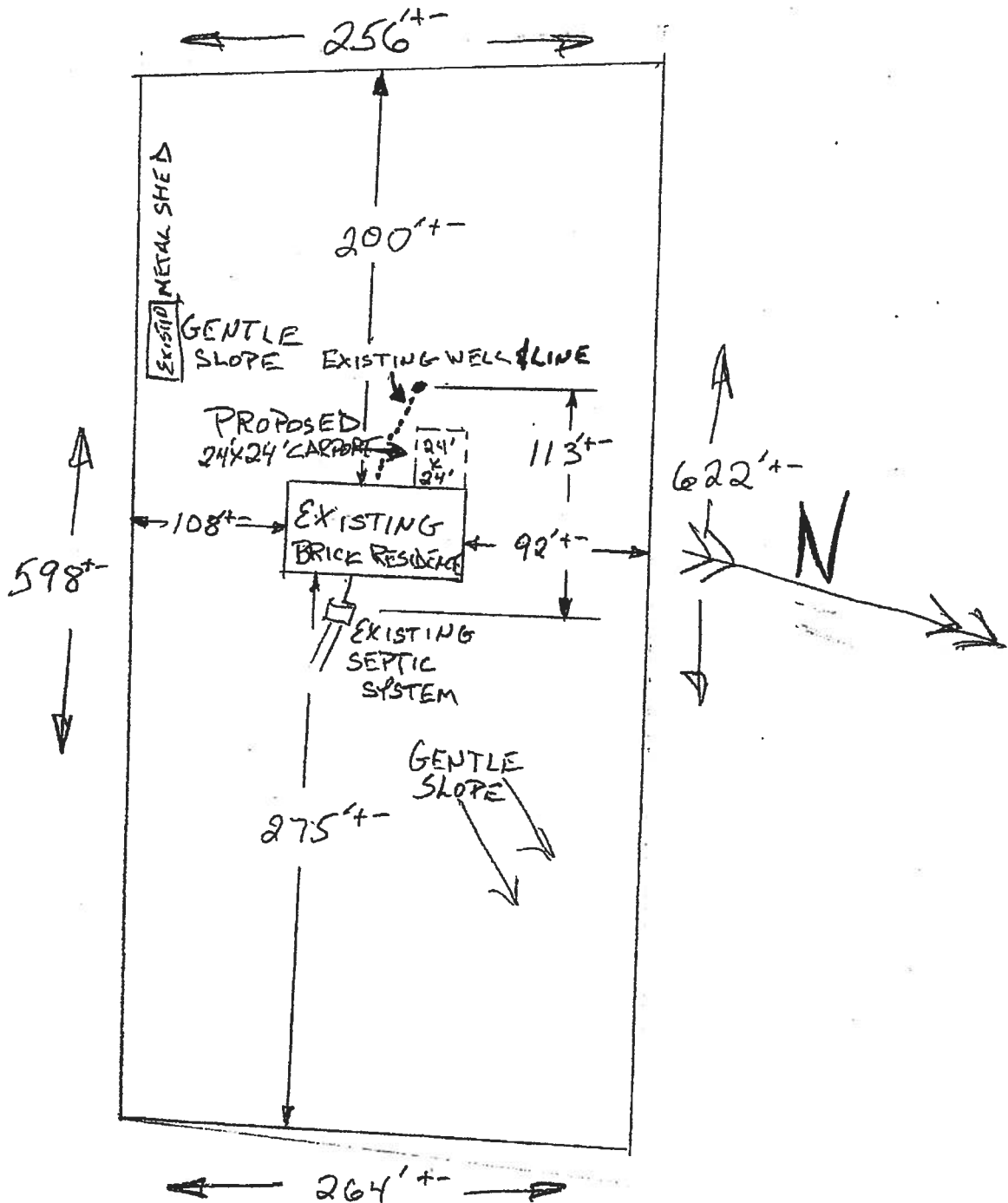
PLOT PLAN FOR: AUDREY BULLARD LLC

182 CRYSTAL GLEN, LAKE CITY
PARCEL # 18-45-17-08463-000



PLOT PLAN FOR: AUDREY BULLARD LLC

182 CRYSTAL GLEN, LAKE CITY
PARCEL # 18-45-17-08463-000

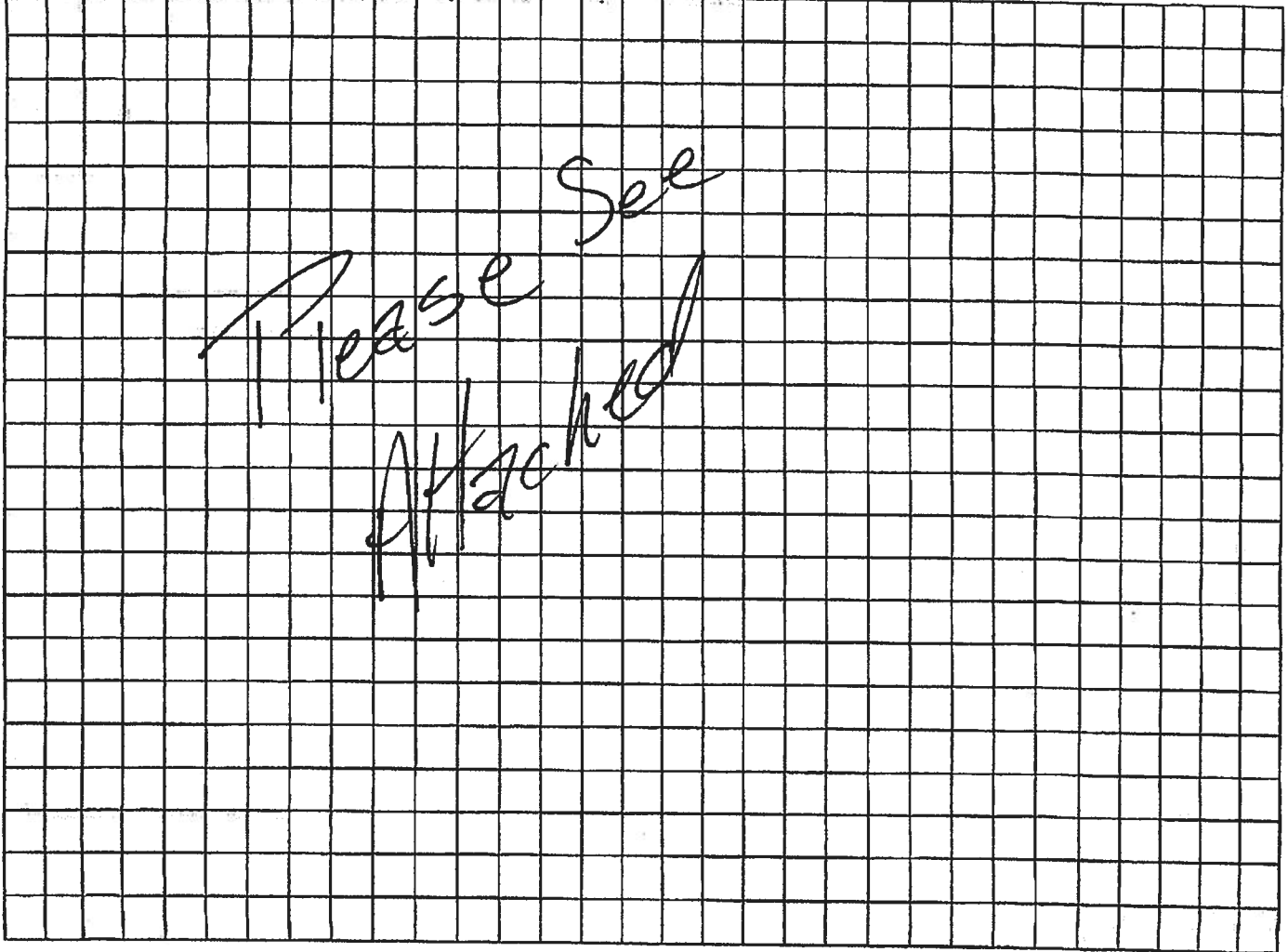


STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number _____

----- PART II - SITEPLAN -----

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes: _____

Site Plan submitted by: M. Exkinger Construction Group TITLE Pres DATE: 1-3-20
Plan Approved _____ Not Approved _____ Date 1/8/20
By [Signature] ESI Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



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

PERMIT NO. 20-0008
DATE PAID: 1/3/20
FEE PAID: 60.00
RECEIPT #: 1460176

APPLICATION FOR:

☐ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Audrey Bullard LLCAGENT: Erkinger Construction Group Matthew Erkinger TELEPHONE: (386) 754-5555MAILING ADDRESS: 248 SE Nassau St. Lake City, FL 32025

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: _____ BLOCK: _____ SUBDIVISION: _____ PLATTED: _____

PROPERTY ID #: 18-45-17-08463-000 ZONING: RS2 I/M OR EQUIVALENT: ☐ Y ☐ NPROPERTY SIZE: 2.4 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☐ ≤ 2000 GPD ☐ > 2000 GPDIS SEWER AVAILABLE AS PER 381.0065, FS? ☒ Y ☐ N DISTANCE TO SEWER: _____ FTPROPERTY ADDRESS: 182 Crystal Glen Lake City 32025DIRECTIONS TO PROPERTY: SR47 south, Turn Right onto Cry

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	Single Family	3	2656	existing
2	Carport	0	576	addition
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____SIGNATURE: Matthew Erkinger, Pres.DATE: 1-3-20



COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2014 EFFECTIVE 1 JULY 2015
AND THE NATIONAL ELECTRICAL 2011 EFFECTIVE 1 JULY 2015

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. 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
Revised 7/1/15

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:	X		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	X		
3	Condition space (Sq. Ft.)	IIIIII	IIIIII	IIII
	Total (Sq. Ft.) under roof			

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	X		
5	Dimensions of all building set backs	X		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	X		
7	Provide a full legal description of property.	X		

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

GENERAL REQUIREMENTS: 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	IIII	IIIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	X		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	X		
11	Wind importance factor and nature of occupancy	X		
12	The applicable internal pressure coefficient, Components and Cladding	X		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not speciffally designed by the registered design professional.	X		

Elevations Drawing including:

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

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	X		
21	Raised floor surfaces located more than 30 inches above the floor or grade			N/A
22	All exterior and interior shear walls indicated	X		
23	Shear wall opening shown (Windows, Doors and Garage doors)	X		
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.	X		
25	Safety glazing of glass where needed	X		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)			N/A
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			N/A
28	Identify accessibility of bathroom (see FBCR SECTION 320)	X		

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: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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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.	X		
30	All posts and/or column footing including size and reinforcing	X		
31	Any special support required by soil analysis such as piling.			N/A
32	Assumed load-bearing value of soil _____ Pound Per Square Foot			N/A
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	X		

FBCR 506: CONCRETE SLAB ON GRADE

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

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	X		
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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	X		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	X		

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			N/A
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			N/A
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			N/A
42	Attachment of joist to girder			N/A
43	Wind load requirements where applicable	X		
44	Show required under-floor crawl space			N/A
45	Show required amount of ventilation opening for under-floor spaces			N/A
46	Show required covering of ventilation opening			N/A
47	Show the required access opening to access to under-floor spaces			N/A
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate 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	X		
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	X		
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	X		
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	X		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCB 2308.9.5	X		
57	Indicate where pressure treated wood will be placed	X		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	X		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	X		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.1.7.1 Wood trusses	X		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	X		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	X		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	X		
64	Provide dead load rating of trusses	X		

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Energy Conservation R.401

Residential construction shall comply with this code by using the following compliance methods in the Residential buildings compliance methods. **Two of the required forms are to be submitted.** *R 402-2014 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form R 402-2014, 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	X		
74	Attic space	X		
75	Exterior wall cavity	X		
76	Crawl space	X		

HVAC information

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

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	X		
81	Show the location of water heater	X		

Private Potable Water

82	Pump motor horse power	X		
83	Reservoir pressure tank gallon capacity	X		
84	Rating of cycle stop valve if used	X		

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	X		
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	X		
87	Show the location of smoke detectors & Carbon monoxide detectors	X		
88	Show service panel, sub-panel, location(s) and total ampere ratings	X		
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. 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	X		
90	Appliances and HVAC equipment and disconnects	X		
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. NEC 210.12A	X		

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee. The completed application with attached documents and application fee can be mailed.	X		
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 required. www.columbiacountyfla.com	X		
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 City Water and/or Sewer letter. Call 386-752-2031			N/A
96	Toilet facilities shall be provided for all construction sites	X		
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.			N/A
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			N/A
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.	X		
100	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00			N/A
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.	X		
102	911 Address: An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	X		

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.

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation 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.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

Notification:

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

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			
A. SWINGING	<i>Masonite</i>	<i>Fiberglass Ext. Door w/ Composite Jm</i>	<i>FL4334-R9</i>
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	<i>Magnolia</i>	<i>Vinyle Single Hung w/ Low E Glass</i>	<i>FL16475-R2</i>
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS	<i>Kaycan</i>	<i>Alum. Soffits</i>	<i>FL16503-R1</i>
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	<i>Certainteed</i>	<i>30 YR Architectural</i>	<i>FL5444-R8</i>
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	<i>Alpine</i>	<i>Truss Plates</i>	<i>FL1999-3</i>
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

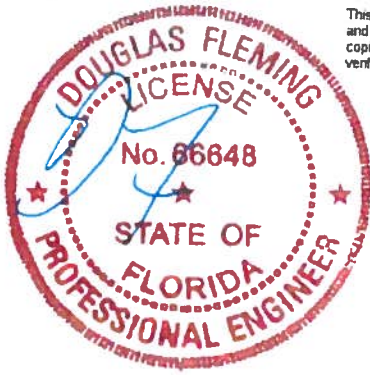
The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product 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: _____



This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.



COA #0 278
12/26/2019

Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

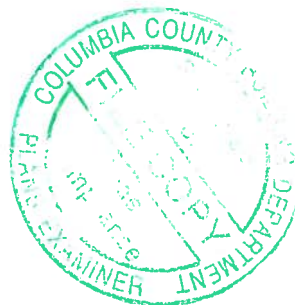
Site Information:		Page 1:
Customer:	Seminole Trusses, Inc.	Job Number: B50568a
Job Description:	-Bullard Carport Erkinger Home Builders	
Address:	182 Crystal Glen, LAKE CITY, FL	

Job Engineering Criteria:			
Design Code:	FBC 2017 RES	IntelliVIEW Version:	18.02.01A
		JRef #:	1WRd8570002
Wind Standard:	ASCE 7-10	Wind Speed (mph):	130
Building Type:	Closed	Roof Load (psf):	20.00- 7.00- 0.00-10.00
		Floor Load (psf):	None

This package contains general notes pages, 1 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	360.19.1256.08397	T-1
3	PB180160118	

Item	Drawing Number	Truss
2	PB160160118	
4	REPCHRD1014	



General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AF&PA. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

General Notes (continued)

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the immediate vertical Deflection, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.

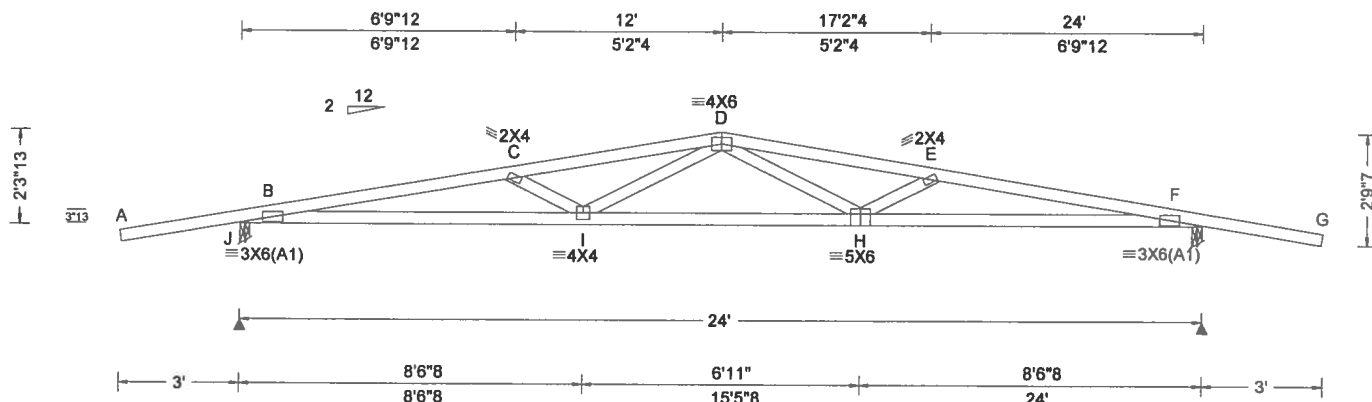
2. ICC: International Code Council; www.iccsafe.org.

3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.

4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.

5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

SEQN: 56064 FROM: CVB	COMN Ply: 1 Qty: 13	Job Number: B50568a -Bullard Carport Erkinger Home Builders Truss Label: T-1	Cust: R 857 JRef: 1WRd8570002 T1 DrwNo: 360.19.1256.08397 SSB / DF 12/26/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.369 D 773 240 VERT(CL): 0.647 D 440 180 HORZ(LL): 0.061 H - - HORZ(TL): 0.107 H - - Creep Factor: 2.0 Max TC CSI: 0.998 Max BC CSI: 0.680 Max Web CSI: 0.278 VIEW Ver: 18.02.01A.0205.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL J 1052 /- /- /528 /341 /19 F 1052 /- /- /528 /341 /- Wind reactions based on MWFRS J Brg Width = 3.0 Min Req = 1.5 F Brg Width = 3.0 Min Req = 1.5 Bearings J & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1769 -3487 D - E 1560 -3152 C - D 1559 -3153 E - F 1770 -3486

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	34	-2.98	12.00
TC	34	12.00	26.98

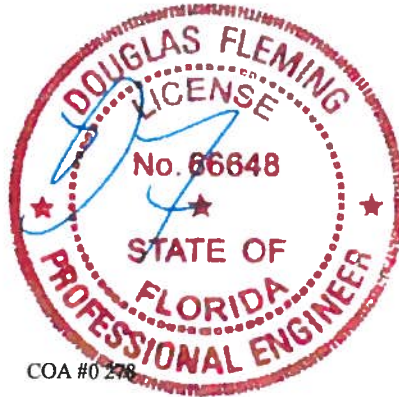
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind

Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information



COA #0278

12/26/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	3417 -1686	H - F	3416 -1687
I - H	2473 -1211		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - I	296 -392	D - H	724 -266
I - D	729 -264	H - E	295 -393

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinet.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

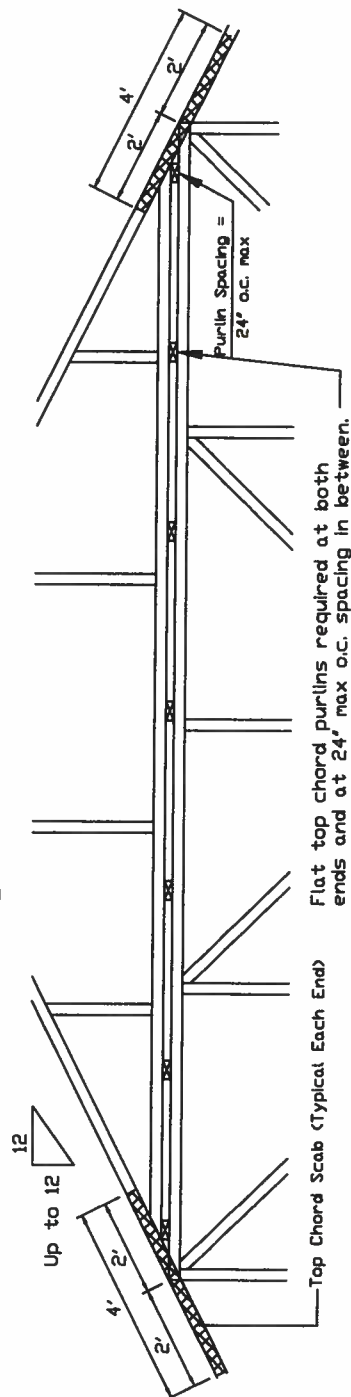
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Wind Dir = 5.0 psf (min), Kzt=1.0.
Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, wind Dir = 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less

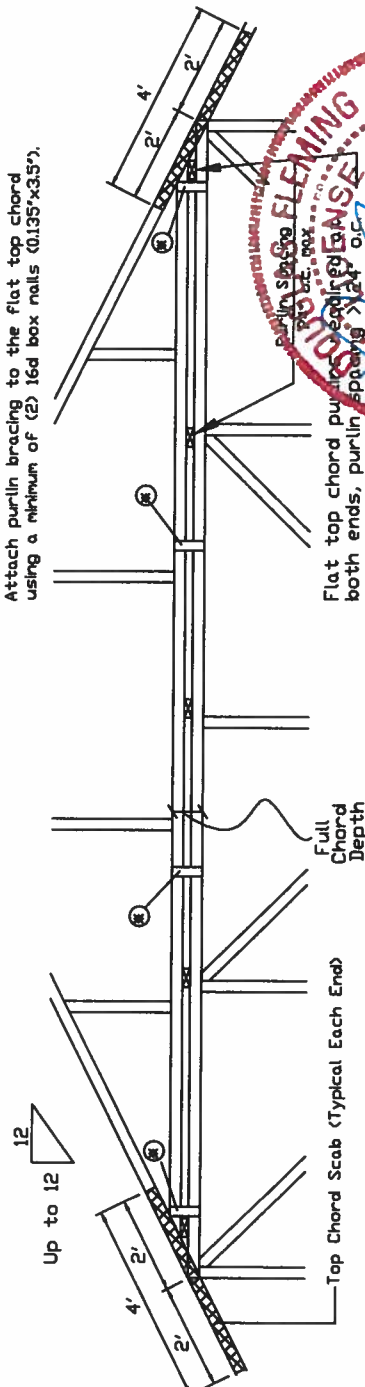


Piggyback cap truss slant nailed to all top chord
purlin bracing with (2) 16d box nails @135"x35"
and secure top chord with 2x4 #3 grade scab
(1 side only at each end) attached with
2 rows of 16d box nails @128"x3" at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following:
#1 2x8 truss plate attached with 6 @ 0.120"x1.375" nails, (4) into cap TC & (4) into base TC or
#2 wave plygback plate plated to the plygback truss TC & attached to the base TC with 6 @ 0.120"x1.375" nails. Note Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.



Pluggback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").

■ In addition, provide connection with one of the following methods:

Trulox

Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8" o.c. with (4) 1/2"x1.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4" o.c. front to back faces.

APA Rated Gusset

3"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common 0.013"x2" nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs

2. 4"x4 SPF #2, full chord depth scabs (each face), attach @ 8' o.c. with (6) 10d box nails (0.128"x3").

28PB Wave Piggyback Plate

The 28PB wave piggyback plate to each face of the 8" o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with 4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4" o.c. front to back faces.

	137325 Riverport Drive Suite 200 Maryland Heights, MO 63043	
	REF PIGGYBACK	
	DATE 01/02/2018	
DRWG PB160160118		24"

Piggyback Detail - ASCE 7-16: 180 mph, 30' Mean Hgt, Partially Enclosed, Exp. C, Kzt=1.00

180 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Dr 150 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

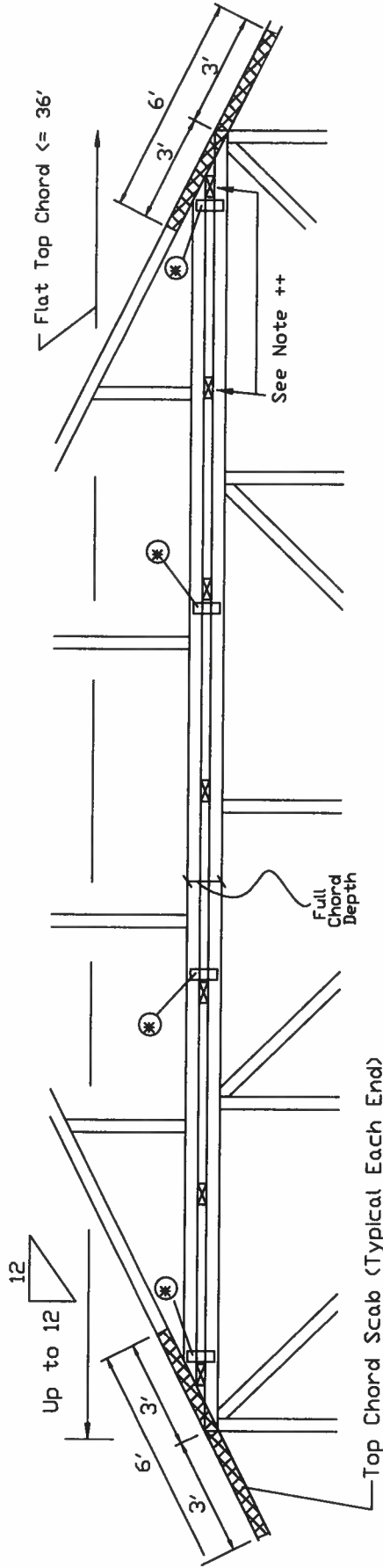
Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Flat top chord purlins required at both ends and at a maximum of 24' intervals unless otherwise noted on base truss design drawing. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").



In addition, provide connection with one of the following methods:

Trulox Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.	28PB Wave Piggyback Plate Use 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of installation. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.
APA Rated Gusset 8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common nails per gusset; (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.	2x4 Vertical Scabs 2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab. Cap and base truss chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of ECSI Guiding Component Safety Information, by TPI and SCSA for safety practices prior to performing these functions. Installers shall provide temporary bracing and bracing shall have a properly attached rigid ceiling. Installers shall have a properly attached rigid ceiling. Refer to drawings 160A-Z for standard plate positions.

Alpha, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or bracing the truss. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetpi.com, TPI: www.tpihq.org, SCSA: www.scsaindustry.org, IBC: www.iccsa.org

IMPORTANT! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER

NO. 66848

STATE OF FLORIDA

PROFESSIONAL ENGINEER

12/26/2018

REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB180160118
SPACING	24.0'

Cracked or Broken Member Repair Detail

Load Duration = 0%
Member forces may be increased for Duration of Load

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12" max length of damaged section

(L) = Minimum ralling distance on each side of damaged area (B)
(S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4' o.c., rows staggered.

Nail into 2x6 members using three (3) rows at 4' o.c., rows staggered.

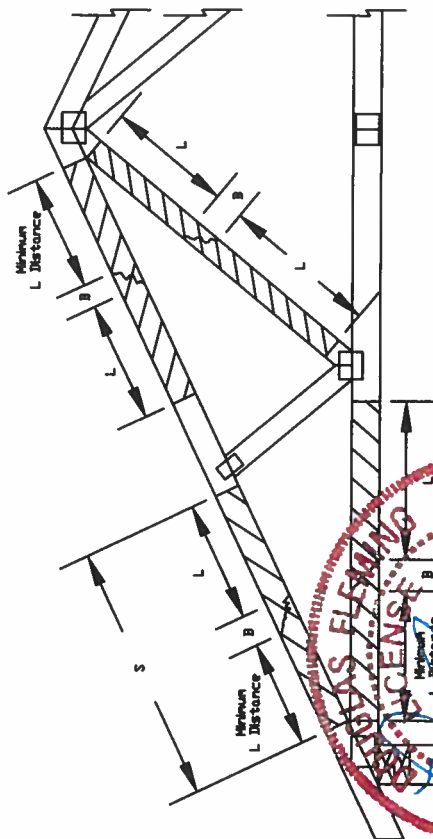
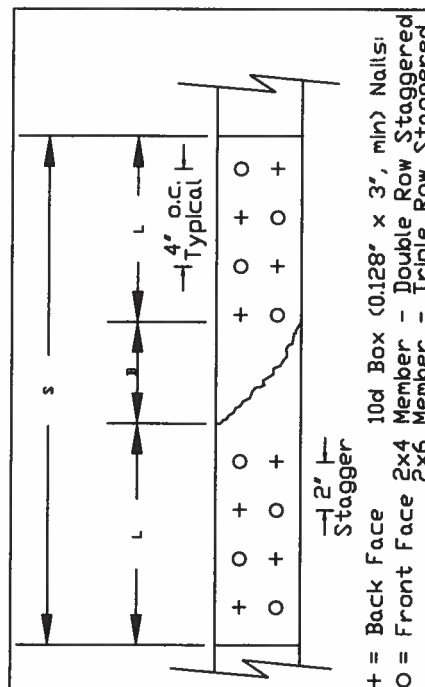
Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650F.

This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.



Nail Spacing Detail

Trussess require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of ECST Challenging Component Safety Information, by TPI and ECST for practices prior to performing these functions. Installers shall provide temporary bracing and bracing details for all trusses. Trusses shall be braced in accordance with the bracing details shown on the drawings. Trusses shall have a properly attached rafter ceiling. Locations shown for permanent lateral bracing shall have bracing installed per ECST sections 20, 27 or 310, as applicable. Apply plates to eave trusses and position as shown above and on the Joint Details, unless noted otherwise. For eave trusses, apply plates as shown above and on the Joint Details, unless noted otherwise.

Alpha, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per AIA/PTPI Sec.2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetts.com TPI: www.tpiinc.com SBGA: www.sbgaindustry.org ICD: www.icdusa.org

60-94873-1A

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DATE 10/01/14

DRWG REPCHRD1014

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