☑ Product Approval 1716
☐ Truss Package
☑ Eng. & Manual J

Columbia County New Building Permit Application

For Office Use Only Application # 44143 Date Received 12/5/19 By LH Permit # _____

Zoning Official LW/LH Date 12-6-19 Flood Zone X Land Use Ag Zoning A-3

FEMA Map # _____ Elevation _____ MFE 86.50' Per Plat River _____ Plans Examiner T.C. Date 12.26.19

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

☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☑ App Fee Paid ☑ Sub VF Form

Septic Permit No. 19-0892 OR City Water ☐ Fax _____

Applicant (Who will sign/pickup the permit) Thomas Cushman Phone 386.623.0243

Address 4632 west state road 238 Lake Butler Fl 32054

Owners Name Thomas Cushman & Wendy Phone 386-623-0243

911 Address 986 SW Hill Creek Drive Lake City Florida 32025

Contractors Name ~~2638~~ Thomas Cushman Phone 386-623-0243

Address Same as Above

Contractor Email ~~[illegible]~~ tom@cushmanscustom.com ***Include to get updates on this job.

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Marty Humphries 7932 240thST Obrien Florida 32071

Mortgage Lenders Name & Address None

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

Property ID Number 05-55-17-09116-112 Estimated Construction Cost 260000

Subdivision Name Hills of Rose Creek Lot 12 Block ____ Unit ____ Phase 1

Driving Directions from a Major Road CR 131 South from 41, Turn left on Hill Creek Drive just before I-75 overpass. Follow Hill Creek drive to culdesac. Lot runs of the south end of culdesac

Construction of Residential Home ____ Commercial OR X Residential

Proposed Use/Occupancy RESIDENTIAL Number of Existing Dwellings on Property 1

Is the Building Fire Sprinkled? NO If Yes, blueprints included ____ Or Explain _____

Circle Proposed ☑ Culvert Permit or ☐ Culvert Waiver or ☐ D.O.T. Permit or ☐ Have an Existing Drive 200

Actual Distance of Structure from Property Lines - Front 93 Side 73 Side 70 Rear 120 PLL

Number of Stories 1 Heated Floor Area 2638 Total Floor Area 4196 Acreage 5

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) N/A

LN EMAILED TOM 12.27.19 SCH 1051

Columbia County Building Permit Application

CODE: Florida Building Code 2017 and the 2014 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.

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

Print Owners Name **Owners Signature**

****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.

_____ **Contractor's License Number**_____

Contractor's Signature **Columbia County Competency Card Number**_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known_____ **or Produced Identification**_____

_____ **SEAL:**

State of Florida Notary Signature (For the Contractor)

Gill Engineering Services, Inc.

426 SW COMMERCE DR. SUITE 130-M ~ LAKE CITY, FLORIDA ~ 32025 ~ 386.590.1242

12/26/2019

Columbia County Florida
Building and Zoning Department
135 NE Hernando Ave.
Lake City, FL 32060

MINIMUM FINISH FLOOR ELEVATION FOR RESIDENTIAL STRUCTURE

PARCEL OWNER:	Thomas and Wendy Cushman
PARCEL ID:	05-5S-17-09116-112
Brief Legal:	Lot 12, Hills at Rose Creek Subdivision, Phase 2

The Columbia County Board of County Commissioners approved the subdivision plat on December 30, 2003. It was then recorded into Plat Book 7, Pages 150-153.

On page 4 of the plat (PB7, P153), there is a Flood Notice that defines the 100 year flood elevation of Lot 12 at 86.50.

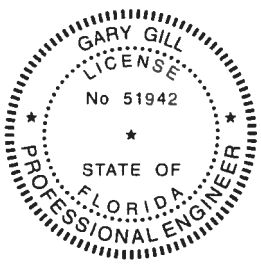
In order to prevent damage from the approved flood elevation on the plat, the minimum finish floor elevation of the structure on the above parcel shall be 91.50'.

Thank you,

Gary Gill, PE 51942

Gill Engineering Services, Inc.

Digitally signed by Gary Gill
Date: 2019.12.27 '13:09:32 -05'00



PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFY ON ANY ELECTRONIC COPIES.

Gill Engineering Services, Inc.

"HILLS AT ROSE CREEK"

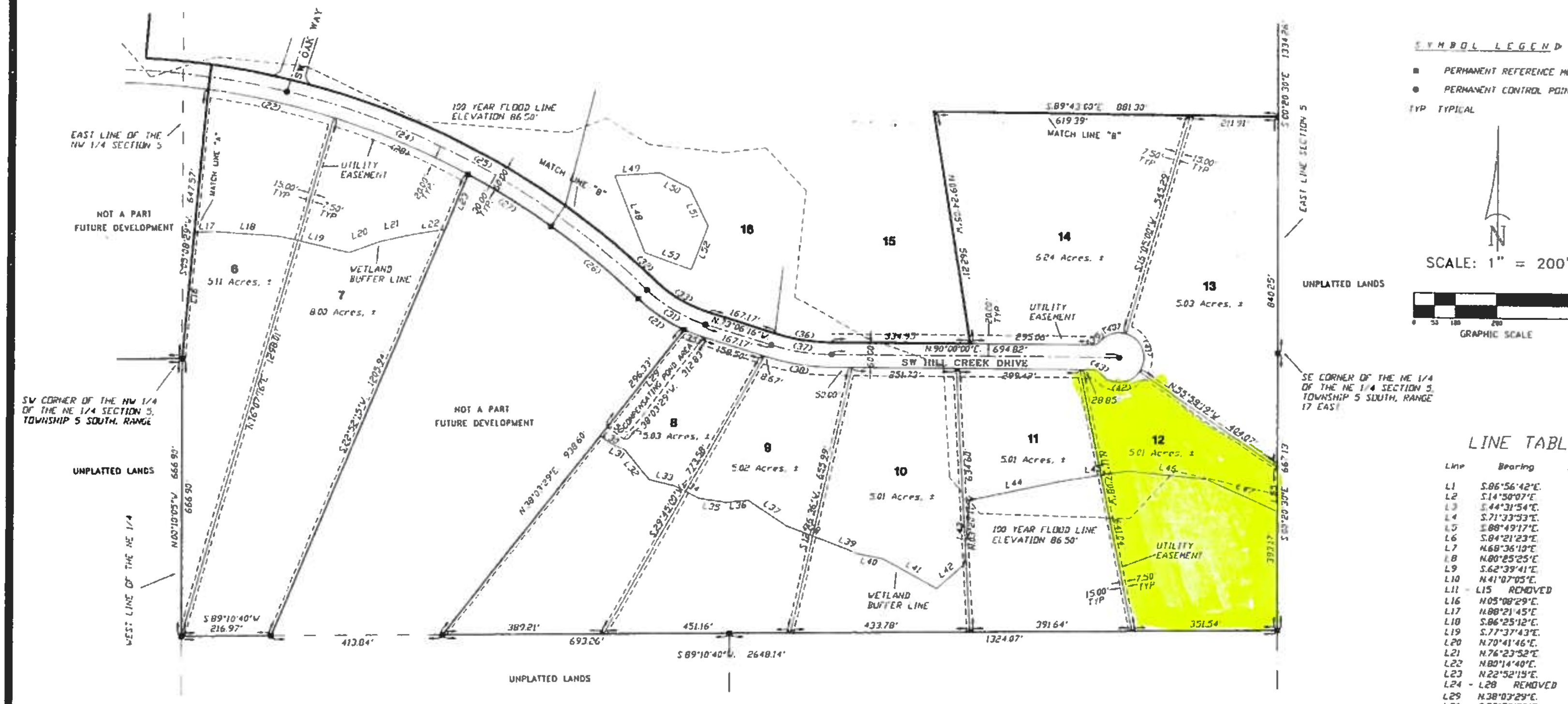
IN SECTION 32, TOWNSHIP 4 SOUTH, RANGE 17 EAST, AND SECTION 5, TOWNSHIP 5 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA

SYMBOL LEGEND

- ■ PERMANENT REFERENCE MONUMENT
- ● PERMANENT CONTROL POINT
- TYP TYPICAL

SCALE: 1" = 200'

GRAPHIC SCALE



LINE TABLE

Line	Bearing	Distance
L1	S.86°56'42"E.	83.63'
L2	S.14°50'07"E.	67.91'
L3	S.44°31'54"E.	124.23'
L4	S.71°33'53"E.	100.56'
L5	S.88°49'17"E.	60.54'
L6	S.84°21'23"E.	136.43'
L7	N.68°36'10"E.	88.56'
L8	N.80°25'25"E.	149.30'
L9	S.62°39'41"E.	97.31'
L10	N.41°07'05"E.	130.34'
L11 - L15	REMOVED	
L16	N.05°08'29"E.	304.99'
L17	N.88°21'45"E.	48.23'
L18	S.86°25'12"E.	156.91'
L19	S.77°37'43"E.	172.98'
L20	N.70°41'46"E.	76.37'
L21	N.76°23'52"E.	69.44'
L22	N.80°14'40"E.	92.68'
L23	N.22°52'15"E.	143.03'
L24 - L28	REMOVED	
L29	N.38°03'29"E.	325.95'
L30	S.57°59'58"E.	40.54'
L31	S.66°06'07"E.	29.14'
L32	S.39°36'00"E.	92.39'
L33	S.76°26'18"E.	65.32'
L34	S.62°59'09"E.	64.34'
L35	S.82°02'57"E.	67.24'
L36	N.83°11'06"E.	52.07'
L37	S.56°44'53"E.	112.00'
L38	S.69°11'02"E.	112.96'
L39	S.68°50'19"E.	70.82'
L40	S.79°40'48"E.	61.66'
L41	S.61°43'21"E.	148.14'
L42	N.48°45'48"E.	88.16'
L43	N.04°21'41"E.	156.14'
L44	N.77°53'06"E.	223.81'
L45	N.80°32'44"E.	164.23'
L46	S.84°33'52"E.	189.85'
L47	S.66°03'21"E.	190.71'
L48	S.22°03'25"E.	196.30'
L49	S.85°02'22"W.	109.50'
L50	N.63°49'06"W.	79.96'
L51	N.26°43'56"W.	100.24'
L52	N.20°51'35"E.	112.39'
L53	S.70°14'59"E.	119.38'
L54	N.72°50'43"E.	89.78'
L55	N.00°20'30"W.	107.84'

CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	25.00'	90°00'00"	39.27'	25.00'	35.36'	N.22°36'21"W.
2	360.00'	61°46'35"	388.15'	215.35'	369.62'	S.36°43'03"E.
3	330.00'	92°38'14"	533.55'	345.55'	477.31'	S.21°17'14"E.
4	360.00'	30°51'39"	193.90'	99.37'	191.57'	S.09°36'04"W.
5	300.00'	08°52'07"	46.44'	23.26'	46.39'	S.20°35'50"W.
6	330.00'	51°57'20"	299.24'	160.79'	289.10'	N.00°56'47"W.
7	300.00'	43°05'14"	225.60'	118.44'	220.33'	S.05°22'50"E.
8	25.00'	90°00'00"	39.27'	25.00'	35.36'	N.67°23'39"E.
9	25.00'	90°00'00"	39.27'	25.00'	35.36'	N.67°23'39"E.
10	300.00'	14°50'06"	77.68'	39.06'	77.46'	S.60°11'18"E.
11	300.00'	77°48'08"	407.37'	242.08'	376.79'	S.13°52'11"E.
12	360.00'	17°07'28"	107.60'	54.20'	107.20'	S.16°28'09"W.
13	360.00'	22°07'47"	139.05'	70.40'	138.18'	S.03°09'28"E.
14	360.00'	12°42'06"	79.81'	40.07'	79.64'	S.20°34'24"E.
15	300.00'	62°01'15"	324.74'	180.33'	309.12'	N.57°56'05"W.
16	330.00'	62°01'15"	357.21'	198.37'	340.03'	N.57°56'05"W.
17	360.00'	31°25'53"	197.49'	101.30'	195.02'	S.42°38'23"E.
18	25.00'	91°34'10"	39.95'	25.69'	35.84'	S.63°52'49"W.
19	25.00'	93°21'40"	40.74'	26.51'	36.38'	N.28°35'06"W.
20	1930.00'	20°03'42"	675.77'	341.38'	672.32'	S.65°14'05"E.
21	390.00'	19°33'46"	133.16'	67.23'	132.51'	N.56°37'25"W.
22	1870.00'	09°32'44"	311.54'	156.13'	311.18'	S.77°57'44"E.
23	1900.00'	11°55'08"	395.25'	198.34'	394.53'	S.82°59'08"E.
24	1900.00'	42°06'10"	1396.18'	731.30'	1364.98'	S.67°53'37"E.
25	1900.00'	30°11'02"	1000.94'	512.37'	989.40'	S.61°56'03"E.
26	1870.00'	08°21'42"	272.90'	136.70'	272.66'	N.51°01'23"W.
27	1870.00'	07°12'26"	235.22'	117.77'	235.07'	N.58°48'27"W.
28	1870.00'	10°46'43"	351.79'	176.41'	351.27'	S.67°48'01"E.
29	1870.00'	06°12'36"	202.68'	101.44'	202.58'	N.85°50'24"W.
30	360.00'	30°35'23"	192.20'	98.45'	189.93'	N.73°39'01"W.
31	360.00'	26°15'44"	165.01'	83.98'	163.57'	N.59°58'24"W.
32	1930.00'	02°48'33"	94.63'	47.32'	94.62'	S.48°14'49"E.
33	330.00'	26°15'44"	151.26'	76.98'	149.94'	S.59°58'24"E.
34	1930.00'	04°13'59"	142.59'	71.33'	142.56'	S.83°37'06"E.
35	390.00'	06°41'58"	45.60'	22.83'	45.58'	S.69°45'17"E.
36	470.00'	16°53'44"	138.59'	69.80'	138.09'	N.81°33'08"W.
37	500.00'	16°53'44"	147.44'	74.26'	146.91'	N.81°33'08"W.
38	530.00'	16°53'44"	156.29'	78.71'	155.72'	N.81°33'08"W.
39	25.00'	49°40'47"	21.68'	11.57'	21.00'	S.65°09'36"W.
40	60.00'	65°45'47"	68.87'	38.79'	65.15'	N.73°12'06"E.
41	60.00'	107°56'41"	113.04'	82.50'	97.05'	S.19°56'40"E.
42	60.00'	105°39'06"	110.64'	79.12'	95.62'	S.86°51'14"W.
43	25.00'	49°40'47"	21.68'	11.57'	21.00'	S.65°09'36"E.
44	25.00'	83°24'09"	36.39'	22.28'	33.26'	S.39°47'49"W.
45	25.00'	88°25'50"	38.59'	24.32'	34.87'	N.26°07'11"W.
46	300.00'	20°30'12"	107.35'	54.26'	106.78'	N.80°35'12"W.
47	330.00'	20°30'12"	118.09'	59.68'	117.45'	N.80°35'12"W.
48	360.00'	20°30'12"	128.83'	65.11'	128.14'	N.80°35'12"W.
49	25.00'	49°40'47"	21.68'	11.57'	21.00'	S.65°59'54"E.
50	60.00'	106°52'59"	111.93'	80.91'	96.39'	N.05°23'59"E.
51	60.00'	110°55'39"	116.16'	87.18'	98.85'	N.23°30'20"W.
52	300.00'	23°12'48"	121.54'	61.62'	120.71'	S.79°12'45"E.
53	25.00'	90°00'00"	39.27'	25.00'	35.36'	S.22°36'21"E.
54	330.00'	22°18'13"	128.46'	65.05'	127.65'	S.79°40'02"E.
55	270.00'	21°59'03"	103.60'	52.44'	102.96'	S.79°30'27"E.
56	60.00'	61°32'56"	64.45'	35.73'	61.40'	S.70°15'23"W.
57	25.00'	49°40'47"	21.68'	11.57'	21.00'	S.64°19'18"W.
58	300.00'	26°55'45"	141.00'	71.83'	139.71'	N.31°33'37"E.
59	330.00'	26°55'45"	155.10'	79.01'	153.68'	N.31°33'37"E.
60	360.00'	26°55'45"	169.20'	86.19'	167.63'	N.31°33'37"E.
61	25.00'	49°40'47"	21.68'	11.57'	21.00'	N.69°51'53"E.
62	60.00'	125°22'32"	131.29'	116.19'	106.62'	N.32°01'01"E.
63	60.00'	66°46'27"	69.93'	39.54'	66.04'	N.64°03'29"W.
64	60.00'	87°12'36"	91.33'	57.15'	82.76'	S.38°57'00"W.
65	25.00'	49°40'47"	21.68'	11.57'	21.00'	S.20°11'06"W.
66	300.00'	62°01'15"	324.74'	180.33'	309.12'	S.57°56'05"E.
67	1930.00'	06°12'36"	209.10'	104.69'	209.00'	S.85°50'24"E.
68	270.00'	15°01'36"	70.81'	35.61'	70.61'	S.76°01'44"E.
69	270.00'	06°57'27"	32.79'	16.41'	32.77'	S.87°01'15"E.

FLOOD NOTICE:

THE FOLLOWING LOTS ARE AFFECTED BY THE 100 YEAR FLOOD ELEVATION

THE 100 YEAR FLOOD ELEVATION IS 86.50 FEET FOR LOTS: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, AND 16

THE 100 YEAR FLOOD ELEVATION IS 108.50 FEET FOR LOTS: 27 AND 28

THE 100 YEAR FLOOD ELEVATION IS 105.50 FEET FOR LOT: 22 AND 23

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 WORK ORDER # L-12564

OFFICIAL RECORDS
BOOK 1012 PAGE 1629

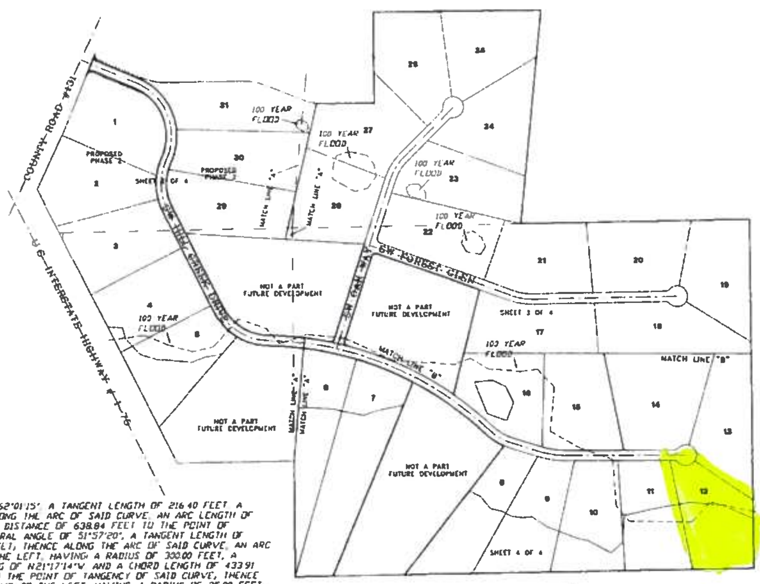
FILE NUMBER 200400309
FILED AND RECORDED IN THE OFFICIAL RECORDS OF COLUMBIA COUNTY, FLORIDA
2/19, 2004 AT 2:52 O'CLOCK P.M.
RECORD VERIFIED
P. DeWITT CASON
CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA
BY: D.C.

"HILLS AT ROSE CREEK"

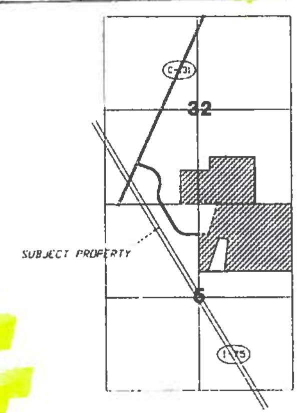
IN SECTION 32, TOWNSHIP 4 SOUTH, RANGE 17 EAST, AND SECTION 5, TOWNSHIP 5 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA

DESCRIPTION:

A PART OF SECTION 32, TOWNSHIP 4 SOUTH, RANGE 17 EAST AND SECTION 5, TOWNSHIP 5 SOUTH, RANGE 17 EAST BEING DESCRIBED AS FOLLOWS: COMMENCE AT THE NW CORNER OF THE SE 1/4 OF THE SW 1/4 OF SAID SECTION 32 AND RUN THENCE N.89°30'02"E., ALONG THE NORTH LINE THEREOF 158.83 FEET TO THE EASTERLY RIGHT-OF-WAY OF COUNTY ROAD #131; THENCE S.22°23'39"W., ALONG SAID EASTERLY RIGHT-OF-WAY 235.00 FEET TO A POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 25.00 FEET, AN INCLUDED ANGLE OF 90°00'00", A CHORD BEARING OF S.22°36'21"E., AND A CHORD DISTANCE OF 35.36 FEET; THENCE ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 39.27 FEET; THENCE S.67°36'21"E., 291.53 FEET TO A POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 300.00 FEET, AN INCLUDED ANGLE OF 23°12'48", A CHORD BEARING OF S.79°12'45"E., AND A CHORD DISTANCE OF 120.71 FEET, THENCE ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 121.54 FEET; THENCE N.89°10'51"E., 450.49 FEET TO A POINT OF CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 330.00 FEET, AN INCLUDED ANGLE OF 22°18'13", A CHORD BEARING OF S.79°40'02"E., AND A CHORD DISTANCE OF 127.65 FEET; THENCE ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 128.46 FEET; THENCE S.68°30'56"E., 247.38 FEET TO A POINT OF CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 270.00 FEET, A INCLUDED ANGLE OF 15°01'36", A CHORD BEARING OF S.76°01'44"E., AND A CHORD DISTANCE OF 70.61 FEET; THENCE ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 70.81 FEET TO THE POINT OF BEGINNING THENCE CONTINUE ALONG SAID CURVE HAVING A RADIUS OF 270.00 FEET, A INCLUDED ANGLE OF 06°57'27", A CHORD BEARING OF S.87°01'15"E., AND A CHORD DISTANCE OF 32.77 FEET; THENCE ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 32.79 FEET; THENCE N.89°30'01"E., 300.20 FEET, THENCE N.00°29'59"W., 520.00 FEET TO THE NORTH LINE OF THE S 1/2 OF THE S 1/2 OF SAID SECTION 32, THENCE N.89°30'01"E., 968.56 FEET TO THE NE CORNER OF THE SW 1/4 OF THE SE 1/4 OF SAID SECTION 32; THENCE S.03°46'16"W., ALONG THE EAST LINE OF SAID SW 1/4 OF SE 1/4 1232.14 FEET TO THE SE CORNER OF SAID SW 1/4 OF THE SE 1/4; THENCE N.89°09'42"E., 1321.04 FEET TO THE NE CORNER OF SAID SECTION 5; THENCE S.00°20'39"E., ALONG THE EAST LINE THEREOF 1334.26 FEET TO THE SE CORNER OF THE NE 1/4 OF THE NE 1/4 OF SAID SECTION 5; THENCE S.00°20'30"E., ALONG SAID EAST LINE 667.13 FEET; THENCE S.89°10'40"W., 2017.33 FEET; THENCE N.38°03'29"E., A DISTANCE OF 938.60 FEET TO A POINT ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 390.00 FEET, A CENTRAL ANGLE OF 19°33'46", A TANGENT LENGTH OF 67.23 FEET, A CHORD BEARING OF N.56°37'25"W. AND A CHORD LENGTH OF 132.51 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 133.16 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 1870.00 FEET, A CENTRAL ANGLE OF 08°21'42", A TANGENT LENGTH OF 136.70 FEET, A CHORD BEARING OF N.51°01'23"W. AND A CHORD LENGTH OF 272.66 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 272.90 FEET TO THE END OF SAID CURVE, THENCE N.34°47'46"E., A DISTANCE OF 60.00 FEET, THENCE N.14°14'23"E., A DISTANCE OF 621.59 FEET, THENCE N.70°20'06"W., A DISTANCE OF 626.99 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 91°34'10", A TANGENT LENGTH OF 25.69 FEET, A CHORD BEARING OF S.63°52'49"W. AND A CHORD LENGTH OF 35.84 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 39.95 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE S.18°05'44"W., A DISTANCE OF 509.31 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 93°21'39", A TANGENT LENGTH OF 26.51 FEET, A CHORD BEARING OF S.20°35'06"E. AND A CHORD LENGTH OF 36.38 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 40.74 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 1930.00 FEET, A CENTRAL ANGLE OF 20°03'42", A TANGENT LENGTH OF 341.38 FEET, A CHORD BEARING OF S.65°14'05"E. AND A CHORD LENGTH OF 672.32 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 675.77 FEET TO THE END OF SAID CURVE; THENCE S.34°47'46"W., A DISTANCE OF 60.00 FEET TO A POINT ON A CURVE TO THE LEFT, HAVING A RADIUS OF 1870.00 FEET, A CENTRAL ANGLE OF 07°12'26", A TANGENT LENGTH OF 117.77 FEET, A CHORD BEARING OF N.58°48'27"W. AND A CHORD LENGTH OF 235.07 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 235.22 FEET TO THE END OF SAID CURVE; THENCE S.22°52'15"W., A DISTANCE OF 1205.94 FEET; THENCE S.89°10'40"W., ALONG THE SOUTH LINE THEREOF, 216.97 FEET TO THE WEST LINE OF SAID NE 1/4; THENCE N.00°10'35"W., 666.90 FEET TO THE SW CORNER OF THE NW 1/4 OF THE NE 1/4 OF SAID SECTION 5; THENCE N.05°08'29"E., A DISTANCE OF 647.57 FEET; TO A POINT ON A CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 1870.00 FEET, A CENTRAL ANGLE OF 06°12'36", A TANGENT LENGTH OF 101.44 FEET, A CHORD BEARING OF N.85°58'24"W. AND A CHORD LENGTH OF 202.58 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 202.68 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 360.00 FEET, A CENTRAL ANGLE OF 62°01'15", A TANGENT LENGTH OF 216.40 FEET, A CHORD BEARING OF N.57°56'05"W. AND A CHORD LENGTH OF 370.94 FEET, THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 389.69 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE N.26°55'27"W., A DISTANCE OF 638.84 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 360.00 FEET, A CENTRAL ANGLE OF 51°57'20", A TANGENT LENGTH OF 175.41 FEET, A CHORD BEARING OF N.00°56'47"W. AND A CHORD LENGTH OF 315.38 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 326.45 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 300.00 FEET, A CENTRAL ANGLE OF 92°38'14", A TANGENT LENGTH OF 314.14 FEET, A CHORD BEARING OF N.21°17'14"W. AND A CHORD LENGTH OF 433.91 FEET, THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 485.05 FEET TO THE POINT OF TANGENCY OF SAID CURVE, THENCE N.67°36'21"W., A DISTANCE OF 254.35 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", A TANGENT LENGTH OF 25.00 FEET, A CHORD BEARING OF S.67°23'39"W. AND A CHORD LENGTH OF 35.36 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 39.27 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE N.22°23'39"E., A DISTANCE OF 110.00 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", A TANGENT LENGTH OF 25.00 FEET, A CHORD BEARING OF S.22°36'21"E. AND A CHORD LENGTH OF 35.36 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 39.27 FEET TO THE POINT OF TANGENCY OF SAID CURVE, THENCE S.67°36'21"E., A DISTANCE OF 254.35 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 360.00 FEET, A CENTRAL ANGLE OF 92°38'14", A TANGENT LENGTH OF 376.96 FEET, A CHORD BEARING OF S.21°17'14"E. AND A CHORD LENGTH OF 520.70 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 582.06 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 300.00 FEET, A CENTRAL ANGLE OF 51°57'20", A TANGENT LENGTH OF 146.18 FEET, A CHORD BEARING OF S.00°56'47"E. AND A CHORD LENGTH OF 262.81 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 272.04 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE S.26°55'27"E., A DISTANCE OF 638.84 FEET TO THE POINT OF CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 300.00 FEET, A CENTRAL ANGLE OF 62°01'15", A TANGENT LENGTH OF 180.33 FEET, A CHORD BEARING OF S.57°56'05"E. AND A CHORD LENGTH OF 309.12 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 324.74 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 1930.00 FEET, A CENTRAL ANGLE OF 06°12'36", A TANGENT LENGTH OF 104.69 FEET, A CHORD BEARING OF S.85°50'24"E. AND A CHORD LENGTH OF 209.08 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 209.18 FEET TO THE END OF SAID CURVE, THENCE CONTINUE ALONG SAID CURVE HAVING A RADIUS OF 1930.00 FEET, A CENTRAL ANGLE OF 04°13'59", A TANGENT LENGTH OF 71.33 FEET, A CHORD BEARING OF S.80°37'06"E. AND A CHORD LENGTH OF 142.56 FEET; THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 142.59 FEET TO THE POINT OF REVERSE CURVATURE OF A CURVE TO THE LEFT, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 83°24'09", A TANGENT LENGTH OF 22.28 FEET, A CHORD BEARING OF N.59°47'49"E. AND A CHORD LENGTH OF 33.26 FEET, THENCE ALONG THE ARC OF SAID CURVE, AN ARC LENGTH OF 36.39 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE N.18°05'44"E., A DISTANCE OF 570.81 FEET, THENCE N.86°23'19"W., A DISTANCE OF 456.92 FEET; THENCE N.13°31'24"E., A DISTANCE OF 802.59 FEET TO THE POINT OF BEGINNING COLUMBIA COUNTY, FLORIDA CONTAINING 131.35 ACRES, MORE OR LESS.



KEY MAP
NOT TO SCALE



LOCATION SKETCH
NOT TO SCALE

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR THE DEED OF RECORD AS PROVIDED BY CLIENT
2. BEARINGS ARE BASED ON AN ASSUMED BEARING OF N.26°55'27"W., FOR THE NORTHERLY RIGHT-OF-WAY LINE OF U.S. INTERSTATE HIGHWAY #75.
3. SOME PORTIONS OF THIS PARCEL ARE IN ZONE "A" AND MAY BE SUBJECT TO FLOODING HOWEVER, NO BASE FLOOD ELEVATION HAS BEEN DETERMINED FOR ZONE "A". SOME PORTIONS OF THIS PARCEL ARE IN ZONE "X" AND ARE DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED 6 JAN. 1988 COMMUNITY PANEL NO. 120070 0200 B HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE
4. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON
5. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY
6. EASEMENTS OF (20') TWENTY FEET IN WIDTH ALONG THE ROAD FRONT OF EACH LOT AND (7.5') SEVEN AND ONE-HALF FEET IN WIDTH ALONG EACH SIDE LOT LINES ARE HEREBY CREATED AND PROVIDED FOR THE PURPOSE OF ACCOMMODATING OVERHEAD, SURFACE, AND UNDERGROUND UTILITIES AND DRAINAGE WHERE AN AREA GREATER THAN ONE LOT IS USED AS A BUILDING SITE, ONLY THE OUTSIDE BOUNDARY OF SAID SITE SHALL BE SUBJECT TO THE LOT LINE EASEMENT
7. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF COLUMBIA COUNTY
8. SURVEY CLOSURE PRECISION EXCEEDS THE REQUIREMENTS OF THE MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA
9. THE PRELIMINARY PLAN FOR HILLS AT ROSE CREEK WAS APPROVED ON JULY 02, 2003

FLOOD NOTICE:

THE FOLLOWING LOTS ARE AFFECTED BY THE 100 YEAR FLOOD ELEVATION

THE 100 YEAR FLOOD ELEVATION IS 86.50 FEET FOR LOTS 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, AND 16

THE 100 YEAR FLOOD ELEVATION IS 108.50 FEET FOR LOTS 27 AND 28

THE 100 YEAR FLOOD ELEVATION IS 105.50 FEET FOR LOT 22 AND 23

NOTICE:

THIS PLAT AS RECORDED IN ITS GRAPHICAL FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY OTHER GRAPHICAL OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE:

ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES, PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF ELECTRIC, TELEPHONE, GAS OR OTHER PUBLIC UTILITY. IN THE EVENT THAT A CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES.

DEVELOPER:
A BAR S LAND AND CATTLE COMPANY
386-752-5035
3814 S 1st. STREET
LAKE CITY, FL 32025

COUNTY ATTORNEY CERTIFICATE:

I HEREBY CERTIFY THAT I HAVE EXAMINED THE FORGOING PLAT AND THAT IT COMPLIES IN FORM WITH THE COLUMBIA COUNTY SUBDIVISION ORDINANCE AND CHAPTER 177 OF THE FLORIDA STATUTES

DATE January 28, 2004 ____ COUNTY ATTORNEY

APPROVAL: STATE OF FLORIDA, COUNTY OF COLUMBIA

THIS PLAT IS HEREBY APPROVED BY THE COLUMBIA COUNTY COMMISSION THIS DAY OF December 30, 2003 A.D.

George A. Skinner
CHAIRMAN

CERTIFICATE OF CLERK OF CIRCUIT COURT:

THIS PLAT HAVING BEEN APPROVED BY THE COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS IS ACCEPTED FOR FILES AND RECORDED THIS 19 DAY OF February, 2004 A.D., IN PLAT BOOK 7 PAGE 150-153

P. DeWitt Cason
CLERK OF COURT, COLUMBIA COUNTY, FLORIDA

APPROVAL: PUBLIC WORKS DEPARTMENT, STATE OF FLORIDA, COUNTY OF COLUMBIA

Hoyle Crowder — DIRECTOR
1/13/04 — DATE

DEDICATION:

KNOW ALL MEN BY THESE PRESENT THAT A BAR S LAND AND CATTLE COMPANY, WITH RON TURBEVILLE AS PRESIDENT, AS OWNER, AND CNB NATIONAL BANK, WITH CLARENCE B. CANNON III AS SENIOR VICE-PRESIDENT, AS MORTGAGEE, HAS CAUSED THE LANDS HEREON DESCRIBED, TO BE SURVEYED, SUBDIVIDED AND PLATTED, TO BE KNOWN AS "HILLS AT ROSE CREEK", AND THAT ALL ROADS, STREETS AND ALL EASEMENTS FOR UTILITIES, DRAINAGE AND OTHER PURPOSES INCIDENT THERETO AS SHOWN AND/OR DEPICTED HEREON ARE HEREBY DEDICATED TO THE PERPETUAL USE OF THE PUBLIC.

ATTESTS:

WITNESS AS TO OWNER — WITNESS AS TO OWNER — RON TURBEVILLE

Melissa K. Norris — WITNESS AS TO MORTGAGEE
WITNESS AS TO MORTGAGEE
CLARENCE B. CANNON III, SENIOR VICE-PRESIDENT

ACKNOWLEDGMENT: STATE OF FLORIDA, COUNTY OF COLUMBIA

I HEREBY CERTIFY THAT ON THIS 7 DAY OF January, 2004 A.D. BEFORE ME PERSONALLY APPEARED RON TURBEVILLE AS PRESIDENT OF A BAR S LAND AND CATTLE COMPANY, AS OWNER, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FORGOING DEDICATION AND ACKNOWLEDGED THE EXECUTION THEREOF TO BE HIS FREE ACT AND DEED FOR THE USES AND PURPOSES THEREIN EXPRESSED. IN WITNESS WHEREOF I HAVE SET MY HAND AND SEAL ON THE ABOVE DATE.

COMMISSION # EXPIRES May 30, 2006

Desiree J. Harris
NOTARY PUBLIC, STATE OF FLORIDA AT LARGE

MY COMMISSION EXPIRES ____

ACKNOWLEDGMENT: STATE OF FLORIDA, COUNTY OF COLUMBIA

I HEREBY CERTIFY THAT ON THIS 7th DAY OF January, 2004 A.D., BEFORE ME PERSONALLY APPEARED CLARENCE B. CANNON AS SENIOR VICE-PRESIDENT OF CNB NATIONAL BANK, AS MORTGAGEE, TO ME KNOWN TO BE THE PERSON DESCRIBED IN AND WHO EXECUTED THE FORGOING DEDICATION AND ACKNOWLEDGED THE EXECUTION THEREOF TO BE HIS FREE ACT AND DEED FOR THE USES AND PURPOSES THEREIN EXPRESSED. IN WITNESS WHEREOF I HAVE SET MY HAND AND SEAL ON THE ABOVE DATE.

MY COMMISSION EXPIRES February 3, 2004

NOTARY PUBLIC, STATE OF FLORIDA AT LARGE

MY COMMISSION EXPIRES ____

CERTIFICATE OF COUNTY SURVEYOR:

KNOWN ALL MEN BY THESE PRESENT, THAT THE UNDERSIGNED, BEING A LICENSED AND REGISTERED LAND SURVEYOR, AS PROVIDED UNDER CHAPTER 472, FLORIDA STATUTES AND IS IN GOOD STANDING WITH THE BOARD OF LAND SURVEYORS, DOES HEREBY CERTIFY ON BEHALF OF COLUMBIA COUNTY, FLORIDA, REVIEW THIS PLAT FOR CONFORMITY TO CHAPTER 177 FLORIDA STATUTES; AND SAID PLAT MEETS ALL THE REQUIREMENTS OF CHAPTER 177 AS AMENDED

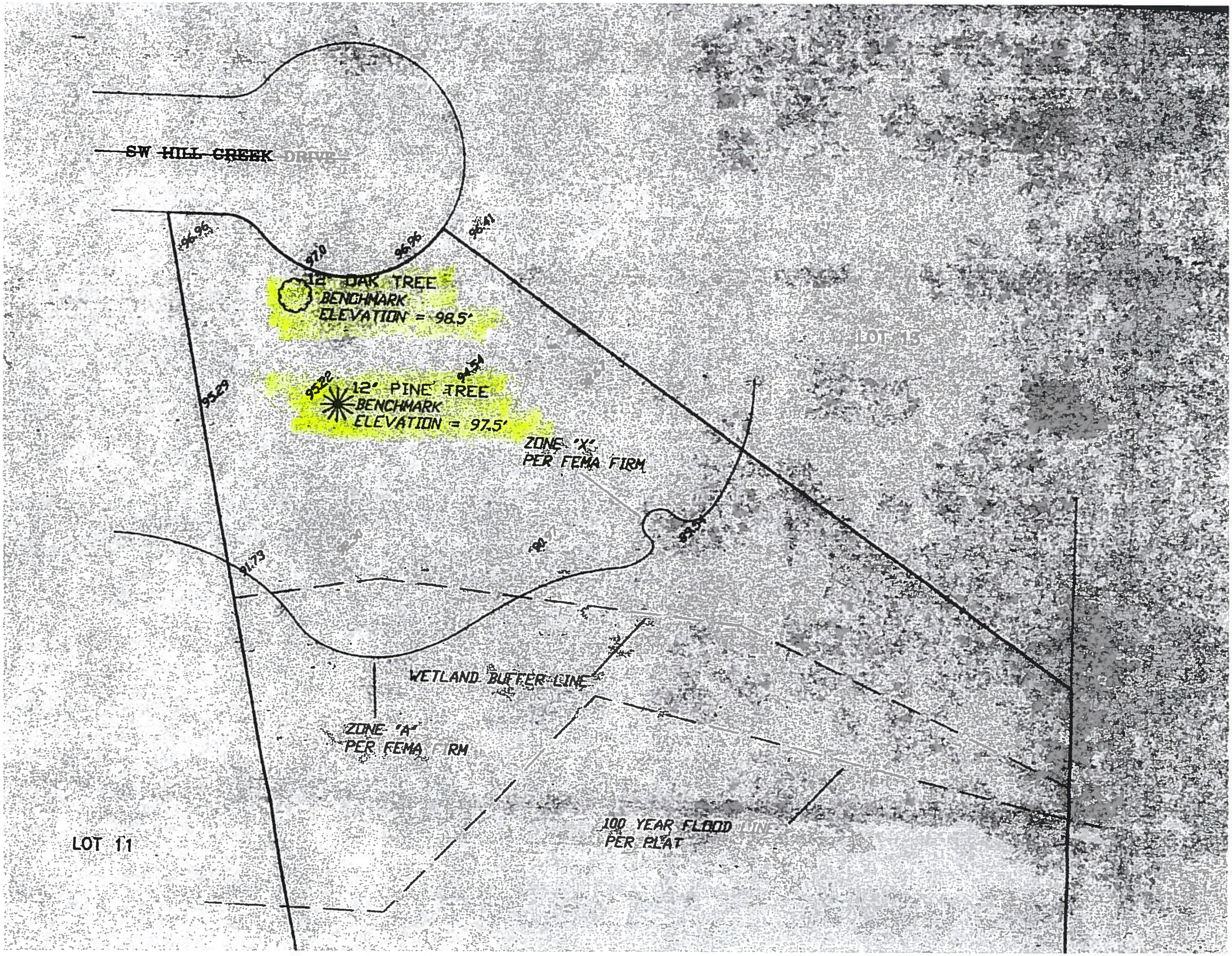
NAME ____ DATE 1/6/04 REGISTRATION # 5594
TIMOTHY A. DELBENE

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY THIS TO BE A TRUE AND CORRECT REPRESENTATION OF THE LAND SURVEYED AND SHOWN HEREON, THAT THE SURVEY WAS MADE UNDER MY RESPONSIBLE SUPERVISION, DIRECTION AND CONTROL, THAT PERMANENT REFERENCE MONUMENTS HAVE BEEN SET AS SHOWN AND THAT SURVEY DATA COMPLIES WITH THE COLUMBIA COUNTY SUBDIVISION ORDINANCE AND CHAPTER 177 OF THE FLORIDA STATUTES

L. SCOTT BRITT, PLS #5757
1/5/04 — DATE

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE (386) 752-7163 FAX: (386) 752-5573 WORK ORDER # L-12564


SW HILL CREEK DRIVE
96.96
97.0
96.96
96.41
12" OAK TREE
BENCHMARK
ELEVATION = 98.5'
95.22
94.54
12" PINE TREE
BENCHMARK
ELEVATION = 97.5'
95.29
LOT 13
ZONE "X"
PER FEMA FIRM
93.54
91.73
WETLAND BUFFER LINE
ZONE "A"
PER FEMA FIRM
100 YEAR FLOOD LINE
PER PLAT
LOT 11

Legend

2018Aerials

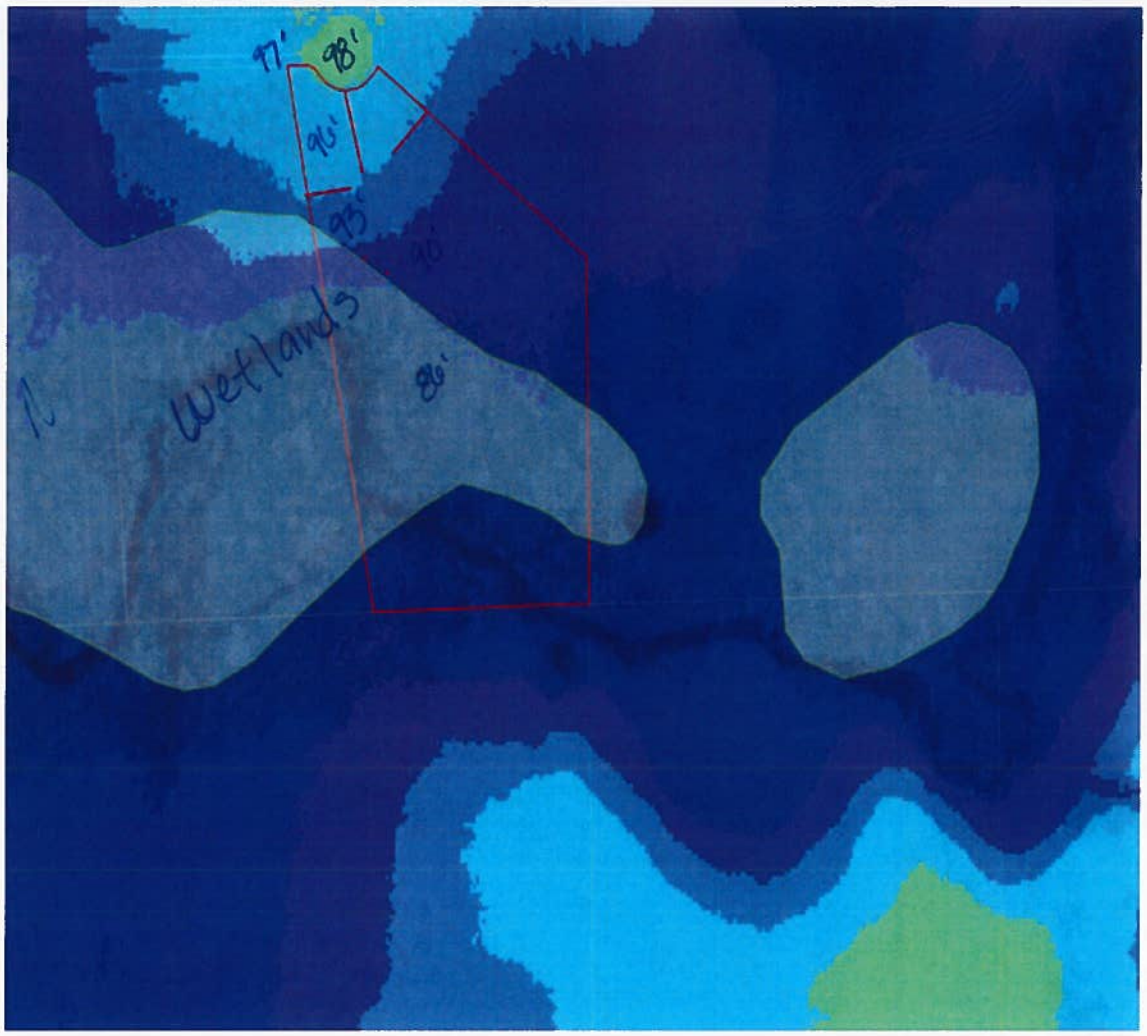
SRWMD Wetlands

LidarElevations

Parcels

Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Dec 06 2019 10:50:20 GMT-0500 (Eastern Standard Time)



Survey provided showing specific wetland line. See Survey.

Parcel Information

Parcel No: 05-5S-17-09116-112

Owner: TURBEVILLE JANICE L

Subdivision: HILLS AT ROSE CREEK PHASE 1

Lot: 12

Acres: 4.9668107

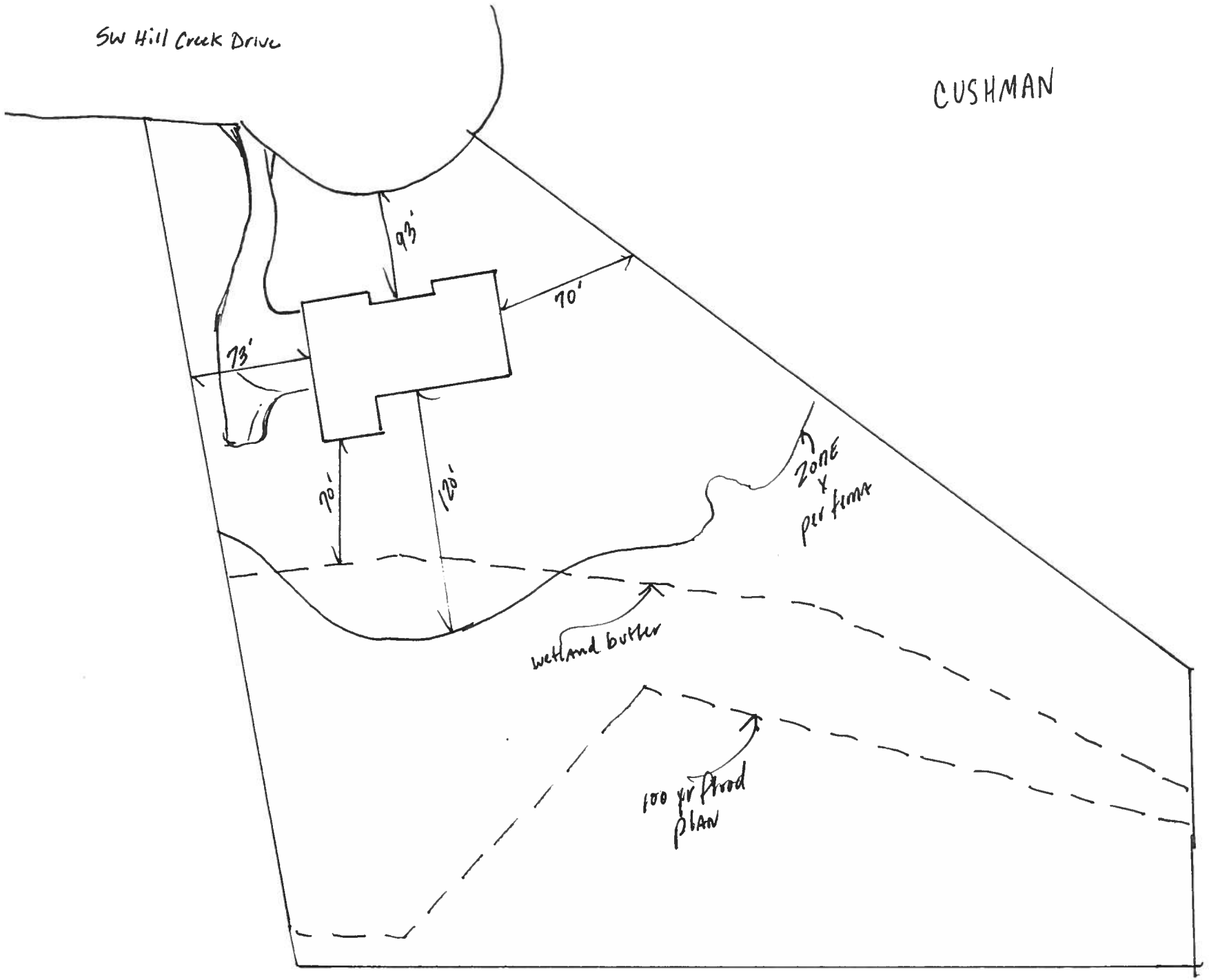
Deed Acres: 5.01 Ac

District: District 4 Toby Witt

Future Land Uses: Agriculture - 3

Flood Zones: A,

Official Zoning Atlas: A-3


SW Hill Creek Drive
CUSHMAN
93'
70'
73'
70'
100'
ZONE X per FIRM
wetland buffer
100 yr flood plain

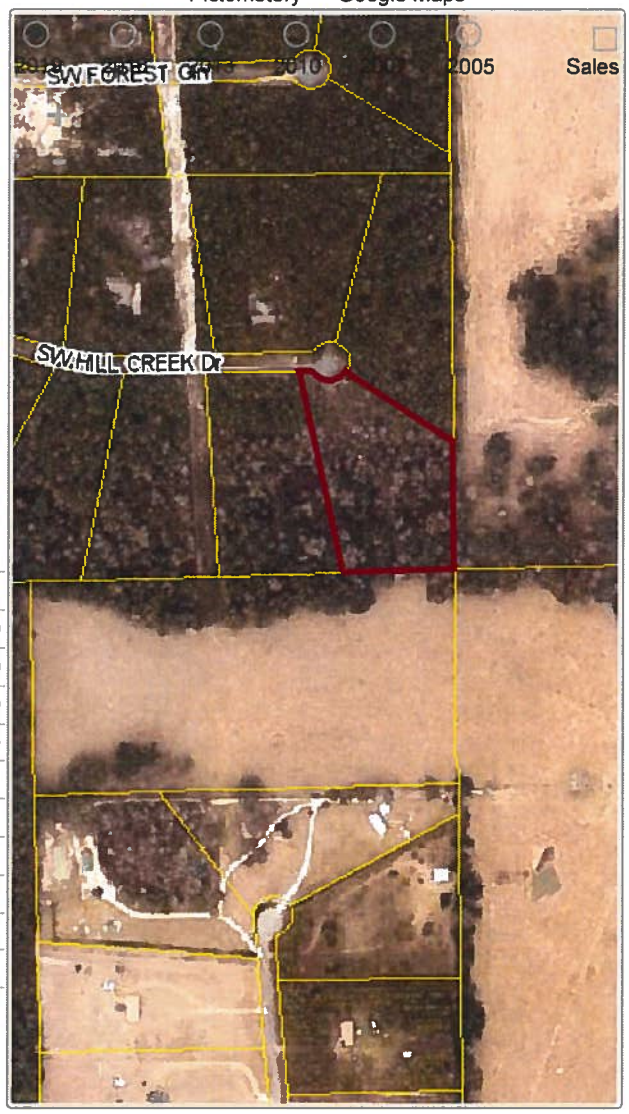
Columbia County Property Appraiser

Jeff Hampton

2020 Working Values
updated: 11/27/2019

Parcel: << **05-5S-17-09116-112** >>

Aerial Viewer | Pictometery | Google Maps



Owner & Property Info

Result: 1 of 1

Owner	CUSHMAN THOMAS & WENDY N P O BOX 326 HORSESHOE BEACH, FL 32648		
Site	, LAKE CITY		
Description*	LOT 12 HILLS AT ROSE CREEK S/D PHASE 1. WD 1043-419, CT 1271- 2315, WD 1316-279, WD 1316-279 WD 1378-1999,		
Area	5.01 AC	S/T/R	32-4S-17E
Use Code**	VACANT (000000)	Tax District	3

*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)	$23,200	Mkt Land (1)	$23,200
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$23,200	Just	$23,200
Class	$0	Class	$0
Appraised	$23,200	Appraised	$23,200
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$23,200	Assessed	$23,200
Exempt	$0	Exempt	$0
Total Taxable	county:$22,330 city:$22,330 other:$22,330 school:$23,200	Total Taxable	county:$23,200 city:$23,200 other:$23,200 school:$23,200

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
2/15/2019	$29,000	1378/1999	WD	V	Q	01
5/31/2016	$9,000	1316/0279	WD	V	U	12
3/12/2014	$100	1271/2315	CT	V	U	18
4/12/2005	$58,900	1043/0419	WD	V	Q	

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

Extra Features & Out Buildings (Codes)

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

District No. 1 - Ronald Williams
District No. 2 - Rocky Ford
District No. 3 - Bucky Nash
District No. 4 - Toby Witt
District No. 5 - Tim Murphy

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Address Assignment and Maintenance Document

To maintain the county wide 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 addressing 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 Services 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/Time Issued:	**12/3/2019 7:24:47 PM**
Address:	**986 SW HILL CREEK Dr**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32025**
Parcel ID	**09116-112**

REMARKS: Address for proposed structure on parcel.

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

Address Issued By: **Signed:/ Matt Crews**

Columbia County GIS/911 Addressing Coordinator

COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT
263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125
Email: gis@columbiacountyfla.com

Inst: 201912004216 Date: 02/21/2019 Time: 12:27PM
Page 1 of 2 B: 1378 P: 1999, P.DeWitt Cason, Clerk of Court
Columbia, County, By: PT
Deputy ClerkDoc Stamp-Deed: 203.00

WARRANTY DEED

WARRANTY DEED made this 15th day of February 2019, by

JANICE L. TURBEVILLE

whose address is P.O. Box 430, Lake City, Florida 32055, hereinafter Grantor and

THOMAS CUSHMAN and WENDY N. CUSHMAN,
husband and wife

whose address is P.O. Box 326, Horseshoe Beach, Florida 32648, hereinafter Grantee

(Note: As used herein the terms, "Grantor" and "Grantee" shall be singular or plural, masculine or feminine as the context requires.)

WITNESSETH, That grantor, for and in consideration of the sum of $1.00 and other good and valuable considerations, receipt whereof is hereby acknowledged, does hereby remise, release and quit-claims unto grantee forever, all the right, title, interest, claim and demand which the said grantor has in and to the following described lot, piece or parcel of land situate, lying and being in Columbia County, Florida.

Lot 12, **HILLS AT ROSE CREEK,** according to the plat thereof recorded in Plat Book 7 pages 150 – 153, of the public records of Columbia County. Florida.

PAC R 09116 – 112

The land described herein is not the homestead of the Grantor, and neither the Grantor nor the Grantor's spouse, nor anyone for whose support the Grantor is responsible, resides on or adjacent to said land.

TOGETHER with all the tenements, hereditaments and appurtenances thereto or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said

land is free and clear of all encumbrances, except taxes accruing subsequent to December 31, 2018.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signature of 1st Witness

JANICE L. TURBEVILLE

Crystal Luciano
Printed Name of 1st Witness

Signature of 2nd Witness

Aviale Brady
Printed Name of 2nd Witness

STATE OF FLORIDA
COUNTY OF COLUMBIA

THE FOREGOING INSTRUMENT was acknowledged before me this 15th day of February 2019, by

JANICE L. TURBEVILLE

who are personally known to me, or who produced personally Known as identification and who did not take an oath.

Notary Public

My Commission Expires:

CRYSTAL RAE LUCIANO
State of Florida-Notary Public
Commission # GG 276966
My Commission Expires
November 13, 2022

Prepared by:
HAL A. AIRTH
Attorney at Law
P.O. Box 448
Live Oak, Florida 32064

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 44143 JOB NAME CUSHMAN

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 ☑ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☑ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License#:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

Ref: F.S. 440.103; ORD. 2016-30

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

OWNER BUILDER DISCLOSURE STATEMENT

Florida Statutes Chapter 489.103:

1. I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

2. I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

3. I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed in Florida and to list his or her license numbers on permits and contracts.

4. I understand that I may build or improve a one-family or two-family residence or a farm outbuilding. I may also build or improve a commercial building if the costs do not exceed $75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease, unless I am completing the requirements of a building permit where the contractor listed on the permit substantially completed the project. If a building or residence that I have built or substantially improved myself is sold or leased within 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

5. I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

6. I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

7. I understand that it is a frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

8. I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

9. I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

10. I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at **850-487-1395** or **http://www.myfloridalicense.com/** for more information about licensed contractors.

11. I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

986 SW Hill Creek Drive Lake City Fl. 32025

(Write in the address of jobsite property)

12. I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual or firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

Florida Statutes Chapter 489.503:

State law requires electrical contracting to be done by licensed electrical contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own electrical contractor even though you do not have a license. You may install electrical wiring for a farm outbuilding or a single-family or duplex residence. You may install electrical wiring in a commercial building the aggregate construction costs of which are under $75,000. The home or building must be for your own use and occupancy. It may not be built for sale or lease, unless you are completing the requirements of a building permit where the contractor listed on the permit substantially completed the project. If you sell or lease more than one building you have wired yourself within 1 year after the construction is complete, the law will presume that you built it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person as your electrical contractor. Your construction shall be done according to building codes and zoning regulations. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances.

An owner of property completing the requirements of a building permit, where the contractor listed on the permit substantially completed the project as determined by the local permitting agency, for a one-family or two family residence, townhome, accessory structure of a one-family or two-family residence or townhome or individual residential condominium unit or cooperative unit. Prior to the owner qualifying for the exemption, the owner must receive approval from the local permitting agency, and the local permitting agency must determine that the contractor substantially completed the project. An owner who qualifies for the exemption under this paragraph is not required to occupy the dwelling or unit for at least 1 year after the completion of the project.

Before a building permit shall be issued, this notarized disclosure statement must be completed and signed by the property owner and returned to the local permitting agency responsible for issuing the permit.

TYPE OF CONSTRUCTION

(X) ***Single Family Dwelling*** ***( ) Two-Family Residence*** ***( ) Farm Outbuilding***

( ) Addition, Alteration, Modification or other Improvement ***( ) Electrical***

( ) Other_____

( ) Contractor substantially completed project, of a _____

( ) Commercial, Cost of Construction_____ for construction of_____

I Thomas Cushman, have been advised of the above disclosure
(Print Property Owners Name)
statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

Signature: _____ Date: 12/5/19
(Signature of property owner)

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification _____

Notary Signature Kristen E. Poppell Date 12/5/19 (Seal)

Notary Public State of Florida
Kristen E Poppell
My Commission GG 233196
Expires 06/28/2022

A&B Well Drilling, Inc.

5673 NW Lake Jeffery Road
Lake City, FL 32055
Telephone: (386) 758-3409
Cell: (386) 623-3151
Fax: (386) 758-3410
Owner: Bruce Park

December 11, 2019

To: Columbia County Building Department

Description of Well to be installed for Customer _____Tom Cushman_____

Located @ Address: _____986 SW Hill Creek Dr_____

1 HP 20 GPM submersible pump, 11/4" drop pipe, 85 gallon captive tank, and backflow prevention. With SRWMD permit.

_Bruce Park_____

Sincerely,
Bruce N. Park
President

3S0 33990825

44143

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

PERMIT NO. 19-0892
DATE PAID: 12/4/19
FEE PAID: 250.00
RECEIPT #: 1455006

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

APPLICANT: Thomas Cushman

AGENT: _____ TELEPHONE: 386-623-0243

MAILING ADDRESS: P.O. Box 810 Lake City Fl. 32056

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: 12 BLOCK: _____ SUBDIVISION: Hills of Rose Creek PLATTED: Yes

PROPERTY ID #: 05-5S-17-09116-112 ZONING: R I/M OR EQUIVALENT: [Y / (N)]

PROPERTY SIZE: 5 ACRES WATER SUPPLY: [ ] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N] DISTANCE TO SEWER: _____FT

PROPERTY ADDRESS: Lot 12 Hills of Rose Creek 986 SW Hill Crk 32025

DIRECTIONS TO PROPERTY: Tustenuggee Rd, South, TL before I-75 overpass into "Hills of Rose Creek Subdivision" follow main road back to coldesac. Lot Lies on the south side of the Coldesac.

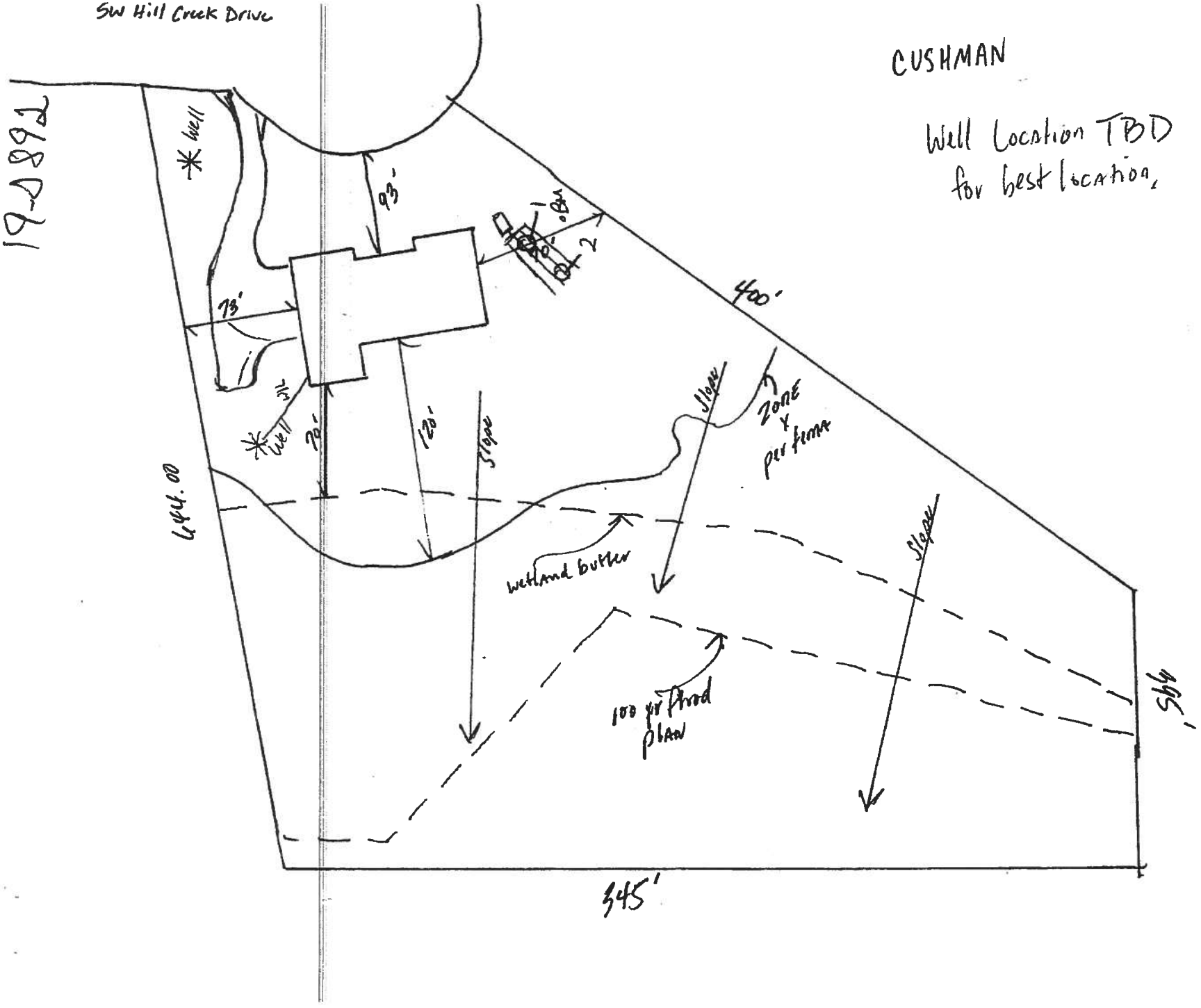
BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	Residential Home	3	2638	
2				
3				
4				

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

SIGNATURE: Tom Cush DATE: _____

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



STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0892

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

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

Notes: _____

Site Plan submitted by: _____ Owner

Plan Approved ✓ Not Approved ____ Date _____

By _____ FSI Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

05-55-17-09116-112

Clerk's Office Stamp

Inst: 202012000132 Date: 01/02/2020 Time: 12:03PM
Page 1 of 1 B: 1402 P: 1305, P.DeWitt Cason, Clerk of Court
Columbia, County, By: BD
Deputy Clerk

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)*: LOT 12 - Hills of ROSE CREEK PHASE 1
   a) Street *(job)* Address: 986SW HILL CREEK Dr, LAKE CITY FL 32025
2. General description of improvements: ~~NONE~~ SINGLE FAMILY DWELLING
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: THOMAS CUSHMAN 4632 WEST STATE ROAD 238 LAKE BUTLER FLORIDA 32054
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property _____
4. Contractor Information
   a) Name and address: OWNER BUILDER
   b) Telephone No.: 386-623-0243
5. Surety Information (if applicable, a copy of the payment bond is attached):
   a) Name and address: NONE
   b) Amount of Bond: _____
   c) Telephone No.: _____
6. Lender
   a) Name and address: NONE
   b) Phone No. _____
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
   a) Name and address: _____
   b) Telephone No.: 386-623-0243
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name: _____ OF _____
   b) Telephone No.: _____
9. Expiration date of Notice of Commencement **(the expiration date will be 1 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. _____
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Thomas Cushman
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 5th day of December, 2019, by:

Thomas Cushman as _____ for _____.
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ✓ OR Produced Identification _____ Type _____

Notary Signature Kristen E. Poppell

Notary Stamp or Seal:

Notary Public State of Florida
Kristen E Poppell
My Commission GG 233196
Expires 06/28/2022

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018 AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. 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, FBC 1609.3.1 THRU 1609.3.3.

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 7/1/18

Website: http://www.columbiacountyfla.com/BuildingandZoning.asp

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Select From Drop down		
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.)**	2638	**Total (Sq. Ft.) under roof** 4196	Yes	No	NA

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 107.1.

Site Plan information including:

4	Dimensions of lot or parcel of land	Yes		
5	Dimensions of all building set backs	Yes		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	NA		
7	Provide a full legal description of property.	No		

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**	Yes	**No**	NA
		Select From Drop down		
9	Basic wind speed (3-second gust), miles per hour	Yes		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	Yes		
11	Wind importance factor and nature of occupancy	Yes		
12	The applicable internal pressure coefficient, Components and Cladding	Yes		
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.	Yes		

Elevations Drawing including:

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

Floor Plan Including:

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

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

FBCR 403: Foundation Plans

Select From Drop down

30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	Yes		
31	All posts and/or column footing including size and reinforcing	Yes		
32	Any special support required by soil analysis such as piling.	Yes		
33	Assumed load-bearing valve of soil _____ Pound Per Square Foot	No		
34	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	No		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

37	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**	Yes		

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

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

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

40	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	Yes		
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	Yes		
42	Girder type, size and spacing to load bearing walls, stem wall and/or priers	Yes		
43	Attachment of joist to girder	Yes		
44	Wind load requirements where applicable	NA		
45	Show required under-floor crawl space	NA		
46	Show required amount of ventilation opening for under-floor spaces	NA		
47	Show required covering of ventilation opening	NA		
48	Show the required access opening to access to under-floor spaces	NA		
49	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	NA		
50	Show Draftstopping, Fire caulking and Fire blocking	NA		
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	NA		
52	Provide live and dead load rating of floor framing systems (psf).	NA		

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		
		Select from Drop down		
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	Yes		
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	Yes		
55	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	Yes		
56	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	Yes		
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	Yes		
58	Indicate where pressure treated wood will be placed	Yes		
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	Yes		
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	Yes		

FBCR :ROOF SYSTEMS:

61	Truss design drawing shall meet section FBC-R 802.10. 1 Wood trusses	Yes		
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	Yes		
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	Yes		
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	Yes		
65	Provide dead load rating of trusses	Yes		

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

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 Chapter 11 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			
		Select from Drop Down			
74	Show the insulation R value for the following areas of the structure	Yes			
75	Attic space	Yes			
76	Exterior wall cavity	Yes			
77	Crawl space	NA			

HVAC information

78	Submit two copies of a Manual J sizing equipment or equivalent computation study	No			
79	Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**	Yes			
80	Show clothes dryer route and total run of exhaust duct	No			

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation plan	No			
82	Show the location of water heater	Yes			

Private Potable Water

83	Pump motor horse power	No			
84	Reservoir pressure tank gallon capacity	No			
85	Rating of cycle stop valve if used	No			

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	Yes			
87	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**	Yes			
88	Show the location of smoke detectors & Carbon monoxide detectors	Yes			
89	Show service panel, sub-panel, location(s) and total ampere ratings	Yes			
90	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	Yes			
91	Appliances and HVAC equipment and disconnects	Yes			
92	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.	Yes			

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 performed.

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

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

Select from Drop down

93	**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.	Yes		
94	**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	Yes		
95	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	Yes		
96	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031	NA		
97	**Toilet facilities shall be provided for all construction sites**	Yes		
98	**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.	NA		
99	**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 (Municode.com)	Yes		
100	**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.	NA		
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**	NA		
102	**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.	Yes		
103	**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.	Yes		

Ordinance Sec. 90-75. - Construction debris. (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section; provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, thoroughfares, waters, canals, or lots less than ten acres in size within the county.

Disclosure Statement for Owner Builders:

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.

****This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - http://www.columbiacountyfla.com/BuildingandZoning.asp**

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 if 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	Masonite	Fiberglass Ext. doors	FL. 5507.1
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	M.I. Home products	3540 S/H	FL. 176.76.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Lap Siding	FL. 13192.2
B. SOFFITS	James Hardie	Hardie Soffit Panels	FL. 13265.1
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	Timberline HD Shingles	FL. 10124.1
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
Underlayment	Owens Corning	Rhino Underlayment	FL. 15216.1
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson	Wood Connectors	FL 9589-R5
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.

NOTES: _____

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

RE: Cushman - Cushman

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

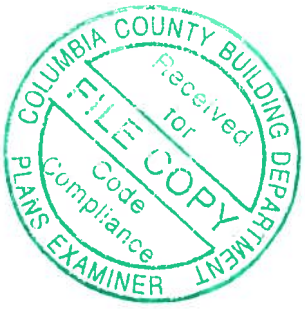
Site Information:
Customer Info: Tom Cushman Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: Fl

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

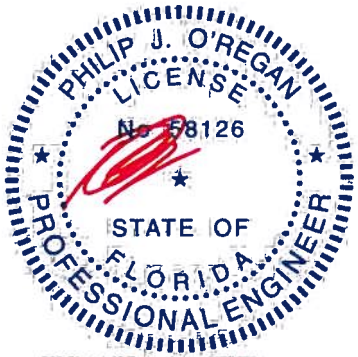
This package includes 45 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T18967057	CJ01	12/20/19	23	T18967079	T02GE	12/20/19
2	T18967058	CJ02	12/20/19	24	T18967080	T03	12/20/19
3	T18967059	G01	12/20/19	25	T18967081	T03GE	12/20/19
4	T18967060	H01	12/20/19	26	T18967082	T04	12/20/19
5	T18967061	H02	12/20/19	27	T18967083	T05	12/20/19
6	T18967062	H03	12/20/19	28	T18967084	T06	12/20/19
7	T18967063	J01	12/20/19	29	T18967085	T07	12/20/19
8	T18967064	J02	12/20/19	30	T18967086	T08	12/20/19
9	T18967065	J03	12/20/19	31	T18967087	T09	12/20/19
10	T18967066	J04	12/20/19	32	T18967088	T11	12/20/19
11	T18967067	J05	12/20/19	33	T18967089	T12	12/20/19
12	T18967068	J06	12/20/19	34	T18967090	T13	12/20/19
13	T18967069	J07	12/20/19	35	T18967091	T14	12/20/19
14	T18967070	J08	12/20/19	36	T18967092	T15	12/20/19
15	T18967071	J09	12/20/19	37	T18967093	T16	12/20/19
16	T18967072	J10	12/20/19	38	T18967094	T17	12/20/19
17	T18967073	J11	12/20/19	39	T18967095	T18	12/20/19
18	T18967074	J12	12/20/19	40	T18967096	T19	12/20/19
19	T18967075	T01	12/20/19	41	T18967097	T19A	12/20/19
20	T18967076	T01GE	12/20/19	42	T18967098	T20	12/20/19
21	T18967077	T01SGE	12/20/19	43	T18967099	T21	12/20/19
22	T18967078	T02	12/20/19	44	T18967100	T22	12/20/19



The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2021.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 20,2019

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

RE: Cushman - Cushman

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

Site Information:

Customer Info: Tom Cushman Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: Fl

No.	Seal#	Truss Name	Date
45	T18967101	T23	12/20/19

Job	Truss	Truss Type	Qty	Ply	Cushman	
Cushman	CJ01	Diagonal Hip Girder	1	1	Job Reference (optional)	T18967057

Mayo Truss, Mayo, Fl

8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 15:47:43 2019 Page 1

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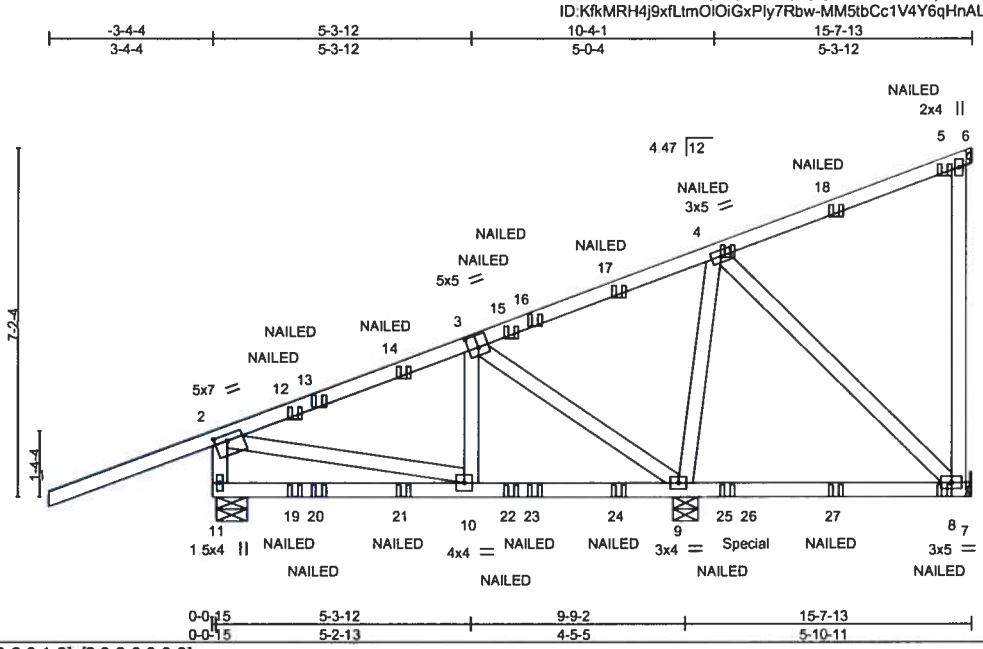


Plate Offsets (X,Y)– [2:0-3-0,0-1-8], [3:0-2-8,0-3-0]

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	0.47	Vert(LL)	0.08	8-9	>825	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.13	8-9	>504	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 100 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 1-3: 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

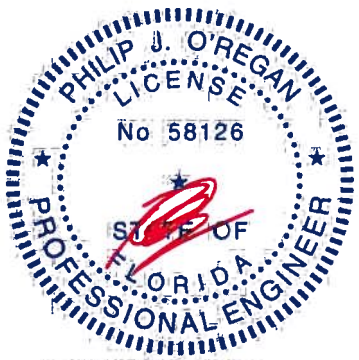
REACTIONS. (lb/size) 11=557/0-7-7, 8=472/Mechanical, 9=1244/0-6-2
Max Horz 11=221(LC 7)
Max Uplift11=-267(LC 8), 8=-136(LC 5), 9=-278(LC 8)

"Special" indicates special hanger(s) or other connection device(s) required at location(s) shown. The design/selection of such special connection device(s) is the responsibility of others. This applies to all applicable truss designs in this job.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-505/207, 2-12=-294/119, 12-13=-284/102, 13-14=-274/98, 5-8=-301/131
BOT CHORD 11-19=-355/4, 19-20=-355/4, 20-21=-355/4, 10-21=-355/4
WEBS 2-10=-23/384, 3-9=-347/148, 4-9=-496/127

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 11, 136 lb uplift at joint 8 and 278 lb uplift at joint 9.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 354 lb down and 95 lb up at 11-1-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-5=-60, 5-6=-20, 7-11=-20
Concentrated Loads (lb)
Vert: 5=-138(F) 8=-49(F) 4=-50(F) 12=65(F) 14=24(F) 17=-15(F) 18=-84(F) 20=-8(B) 22=-3(F) 23=-150(B) 24=-13(F) 25=-23(F) 26=-354(B) 27=-33(F)



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman	
Cushman	CJ02	Diagonal Hip Girder	1	1	Job Reference (optional)	T18967058

Mayo Truss, Mayo, Fl

8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 15:48:31 2019 Page 1

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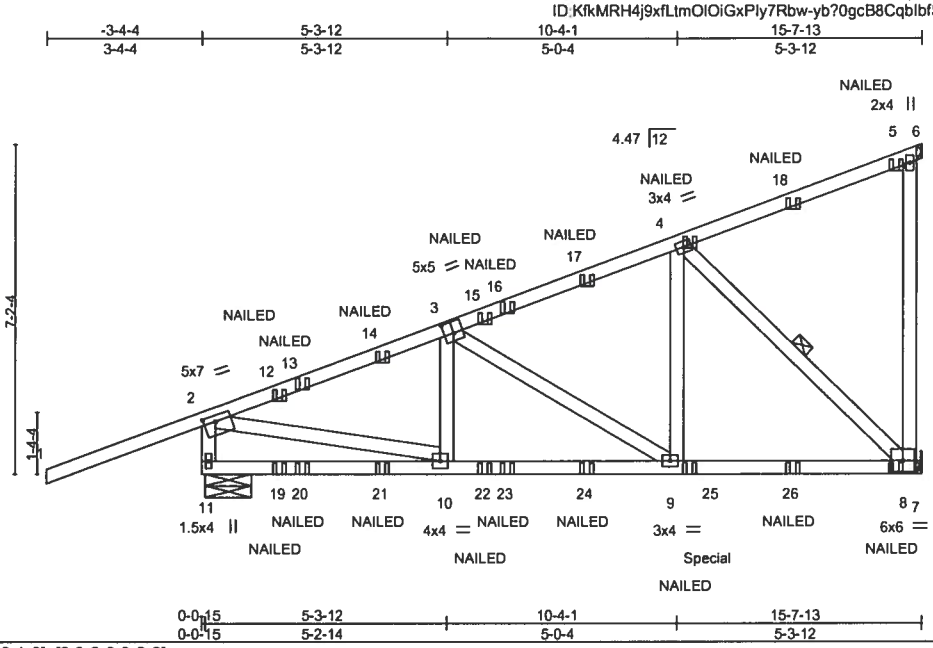


Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [3:0-2-8,0-3-0]

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	0.47	Vert(LL)	0.05	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.10	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 101 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 1-3: 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 4-8

REACTIONS. (lb/size) 11=1032/0-11-15, 8=1288/Mechanical
Max Horz 11=221(LC 5)
Max Uplift11=-353(LC 8), 8=-247(LC 5)

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

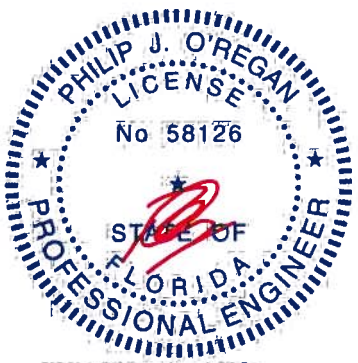
TOP CHORD 2-11=-983/295, 2-12=-1161/251, 12-13=-1152/239, 13-14=-1141/243, 3-14=-1113/247, 3-15=-976/184, 15-16=-950/182, 16-17=-932/186, 4-17=-878/190, 5-8=-304/131
BOT CHORD 11-19=-350/2, 19-20=-350/2, 20-21=-350/2, 10-21=-350/2, 10-22=-319/1045, 22-23=-319/1045, 23-24=-319/1045, 9-24=-319/1045, 9-25=-207/874, 25-26=-207/874, 8-26=-207/874
WEBS 2-10=-164/1193, 4-9=-77/695, 4-8=-1193/240

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 353 lb uplift at joint 11 and 247 lb uplift at joint 8.
6) "NAILED" indicates 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 401 lb down and 47 lb up at 11-1-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-5=-60, 5-6=-20, 7-11=-20



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Date:
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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 5=-138(B) 8=-49(B) 9=-23(B) 4=-50(B) 12=65(B) 14=24(B) 17=-15(B) 18=-84(B) 20=-8(F) 22=-3(B) 23=-150(F) 24=-13(B) 25=-401(F) 26=-33(B)

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	G01	Common Girder	1	2	T18967059

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:09:50 2019 Page 1
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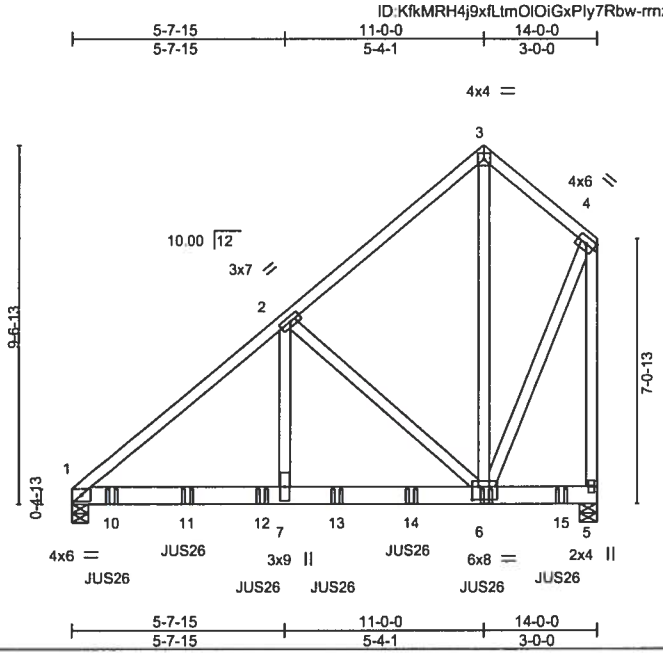

Scale = 1:59.2

Plate Offsets (X,Y)-- [6:0-2-0,0-4-4]

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	0.53	Vert(LL)	-0.06	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.12	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 220 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=3793/0-5-8, 5=4126/0-5-8
Max Horz 1=252(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4122/0, 2-3=-1534/0, 3-4=-1460/0, 4-5=-3533/0
BOT CHORD 1-7=0/3137, 6-7=0/3137
WEBS 2-7=0/3109, 2-6=-2733/0, 3-6=0/1614, 4-6=0/2774

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-0-12 from the left end to 13-0-12 to connect truss(es) to back face of bottom chord.
8) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 1-5=-20
Concentrated Loads (lb)
Vert: 6=-1041(B) 10=-921(B) 11=-921(B) 12=-921(B) 13=-921(B) 14=-1041(B) 15=-1043(B)

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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	H01	Hip Girder	1	2	T18967060

Job Reference (optional)

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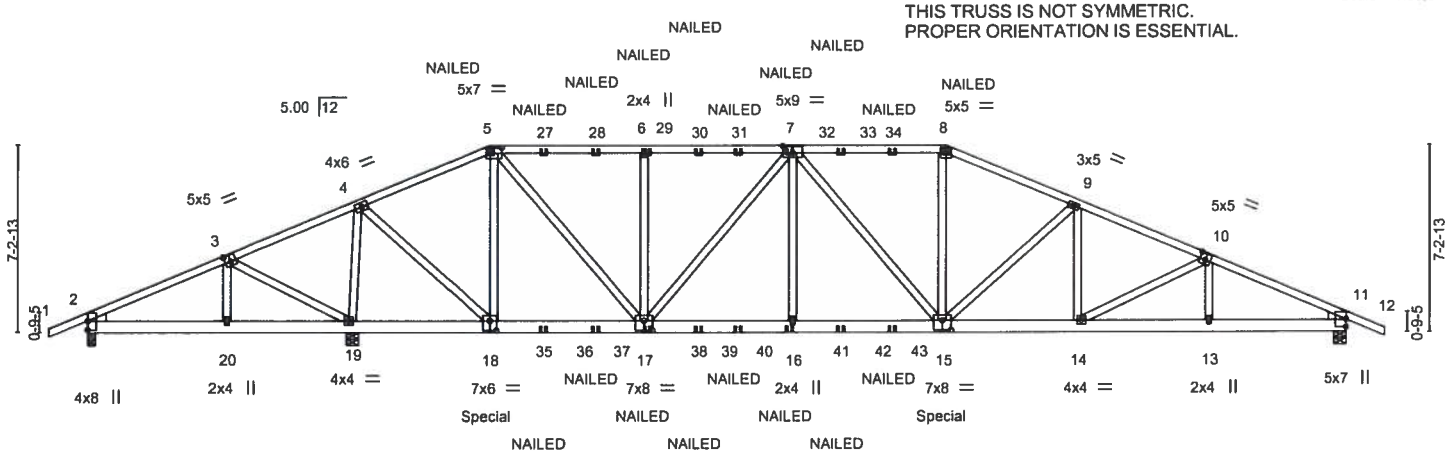
ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-kc1T0twNrWpXcPlR?p9RrnUKg9RqPSiSU0AXTly72Vh

1-6-0	5-4-5	10-5-3	15-6-0	21-5-4	27-2-12	33-2-0	38-2-13	43-3-11	48-8-0	50-2-0
1-6-0	5-4-5	5-0-13	5-0-13	5-11-4	5-9-8	5-11-4	5-0-13	5-0-13	5-4-5	1-6-0

Scale = 1:86.0

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.



5-4-5	10-2-12	15-6-0	21-5-4	27-2-12	33-2-0	38-2-13	43-3-11	48-8-0
5-4-5	4-10-7	5-3-4	5-11-4	5-9-8	5-11-4	5-0-13	5-0-13	5-4-5

Plate Offsets (X,Y)— [2:0-0-0,0-5-9], [3:0-2-8,0-3-0], [5:0-5-4,0-2-8], [7:0-4-8,0-3-0], [10:0-2-8,0-3-0], [11:0-0-0,0-5-9], [15:0-4-0,0-4-8], [17:0-4-0,0-4-8], [18:0-3-0,0-4-8]

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	0.62	Vert(LL)	-0.15	15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.29	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 658 lb	FT = 0%

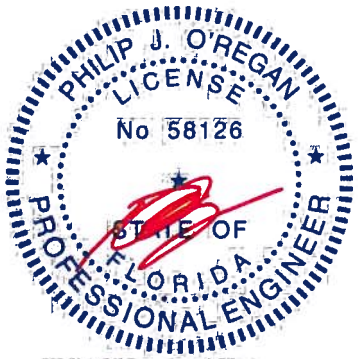
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-15: 2x6 SP SS
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 2=-469/0-3-8, 19=5180/0-5-8, 11=2828/0-5-8
Max Horz 2=-125(LC 6)
Max Uplift 2=-707(LC 18), 19=-807(LC 8), 11=-353(LC 8)
Max Grav 2=175(LC 6), 19=5180(LC 1), 11=2828(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-197/1773, 3-4=-305/2314, 4-5=-1553/324, 5-6=-3483/607, 6-7=-3483/607, 7-8=-4818/793, 8-9=-5253/840, 9-10=-5611/799, 10-11=-5393/674
BOT CHORD 2-20=-1618/234, 19-20=-1625/235, 18-19=-1876/340, 17-18=-189/1429, 16-17=-591/4588, 15-16=-591/4588, 14-15=-626/5147, 13-14=-560/4916, 11-13=-555/4902
WEBS 3-20=-56/329, 3-19=-718/169, 4-19=-4735/736, 4-18=-653/4398, 5-18=-2395/417, 5-17=-447/3210, 6-17=-798/315, 7-17=-1785/250, 7-16=0/542, 7-15=-37/375, 8-15=-122/1477, 9-15=-587/142, 10-14=-269/409, 10-13=-418/132

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
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 707 lb uplift at joint 2, 807 lb uplift at joint 19 and 353 lb uplift at joint 11.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.



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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 468 lb down and 159 lb up at 15-6-0, and 1292 lb down and 271 lb up at 33-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

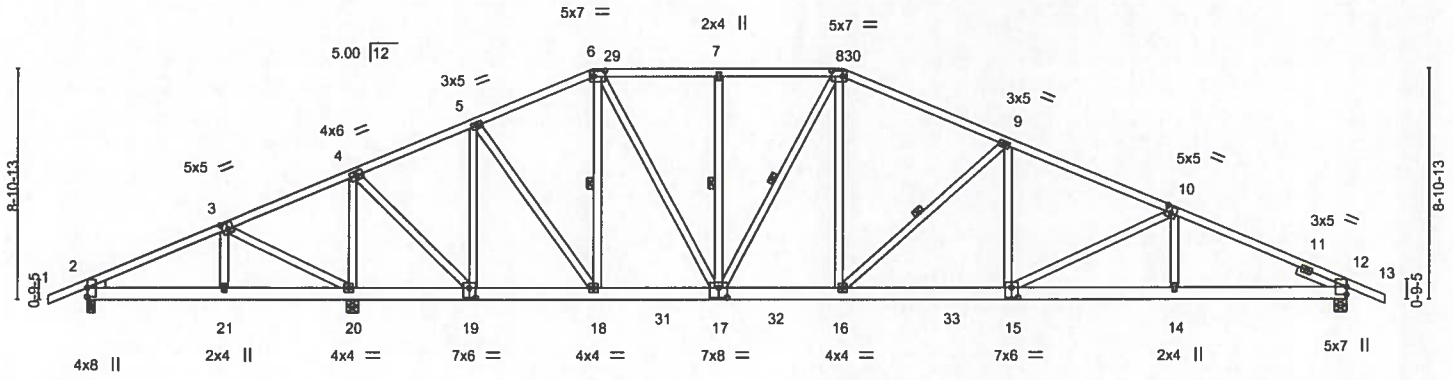
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-8=-60, 8-12=-60, 21-24=-20
   Concentrated Loads (lb)
   Vert: 5=-132(F) 8=-132(F) 18=-468(F) 17=-49(F) 6=-132(F) 7=-132(F) 16=-49(F) 15=-1292(F) 27=-132(F) 28=-132(F) 30=-132(F) 31=-132(F) 33=-132(F) 34=-132(F) 35=-49(F) 37=-49(F) 38=-49(F) 40=-49(F) 41=-49(F) 43=-49(F)

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	H02	Hip	1	1	T18967061
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:09:56 2019 Page 1
ID:KfkMRH4j9xfLtmOiOiGxPly7Rbw-g?9ERZydN73Fsivp6EBvwCZgdy34tHmlxKfeYey72Vf

1-6-0	5-3-2	10-2-12	14-10-6	19-6-0	24-4-0	29-2-0	35-6-13	41-11-11	48-8-0	50-2-0
1-6-0	5-3-2	4-11-10	4-7-10	4-7-10	4-10-0	4-10-0	6-4-13	6-4-13	6-8-5	1-6-0

Scale = 1:86.0



5-3-2	10-2-12	14-10-6	19-6-0	24-4-0	29-2-0	35-6-13	41-11-11	48-8-0
5-3-2	4-11-10	4-7-10	4-7-10	4-10-0	4-10-0	6-4-13	6-4-13	6-8-5

Plate Offsets (X,Y)– [2:0-0-0,0-5-9], [3:0-2-8,0-3-0], [6:0-5-4,0-2-8], [8:0-5-4,0-2-8], [10:0-2-8,0-3-0], [15:0-3-0,0-4-8], [17:0-4-0,0-4-8], [19:0-3-0,0-4-8]

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	0.59	Vert(LL)	-0.12	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.25	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 346 lb	FT = 0%

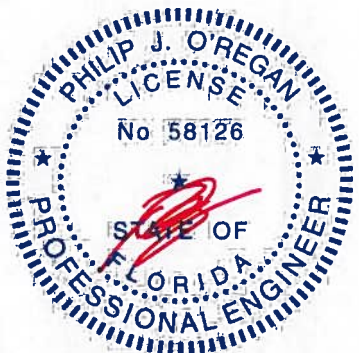
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-18, 7-17, 8-17, 9-16

REACTIONS. (lb/size) 2=137/0-3-8, 20=2406/0-5-8, 12=1531/0-5-8
Max Horz 2=-154(LC 10)
Max Uplift 2=-116(LC 12), 20=-99(LC 12), 12=-34(LC 12)
Max Grav 2=228(LC 21), 20=2406(LC 1), 12=1531(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/466, 3-4=-189/881, 4-5=-528/186, 5-6=-1099/364, 6-7=-1374/451, 7-8=-1374/451, 8-9=-1759/494, 9-10=-2398/578, 10-12=-2726/621
BOT CHORD 2-21=-472/0, 20-21=-475/0, 19-20=-793/333, 18-19=0/533, 17-18=0/998, 16-17=-125/1523, 15-16=-323/2124, 14-15=-469/2450, 12-14=-467/2450
WEBS 3-20=-549/398, 4-20=-2027/520, 4-19=-338/1727, 5-19=-1180/320, 5-18=-128/879, 6-18=-569/156, 6-17=-181/847, 7-17=-315/129, 8-17=-420/96, 8-16=-109/729, 9-16=-824/268, 9-15=0/427, 10-15=-386/165

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 116 lb uplift at joint 2, 99 lb uplift at joint 20 and 34 lb uplift at joint 12.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Cushman	T18967062
Cushman	H03	Hip	1	1	Job Reference (optional)	

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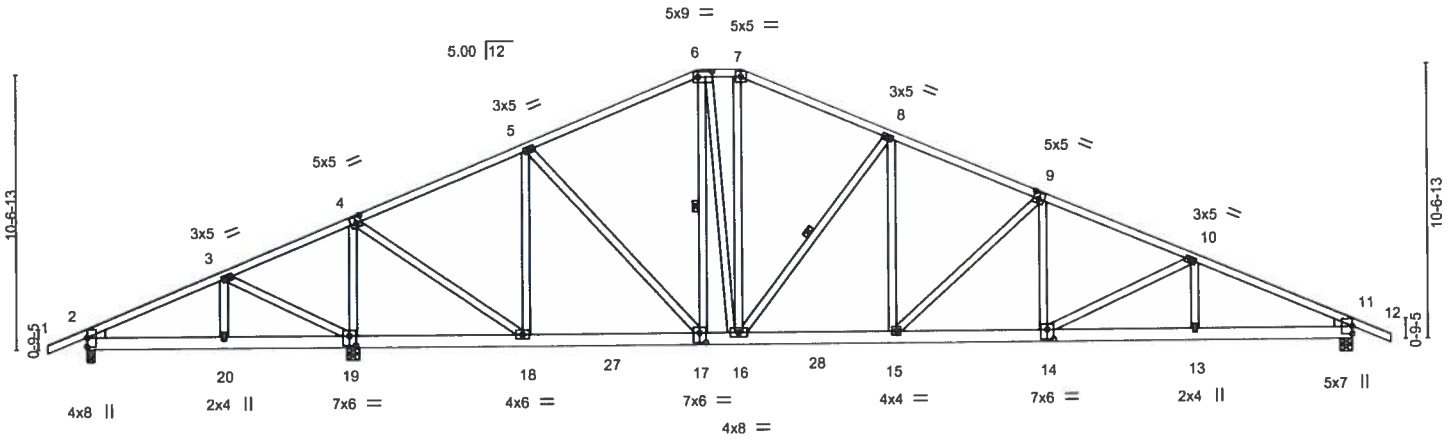
ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-8BicfvyF8RB6TsU0gxi8TQ6txMNAck_vA_OC44y72Ve

1-6-0	5-3-2	10-2-12	16-10-6	23-6-0	25-2-0	30-11-10	36-9-4	42-6-14	48-8-0	50-2-0
1-6-0	5-3-2	4-11-10	6-7-10	6-7-10	1-8-0	5-9-10	5-9-10	5-9-10	6-1-2	1-6-0

Scale = 1:85.5



5-3-2	10-2-12	16-10-6	23-6-0	25-2-0	30-11-10	36-9-4	42-6-14	48-8-0
5-3-2	4-11-10	6-7-10	6-7-10	1-8-0	5-9-10	5-9-10	5-9-10	6-1-2

Plate Offsets (X,Y)-- [2:0-0-0,0-5-9], [4:0-2-8,0-3-0], [6:0-6-12,0-2-8], [9:0-2-8,0-3-0], [11:0-0-0,0-5-9], [14:0-3-0,0-4-8], [17:0-3-0,0-4-8], [19:0-3-0,0-4-8]

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)	-0.13	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.26	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 353 lb	FT = 0%

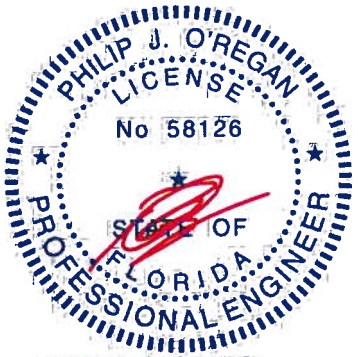
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-17, 8-16

REACTIONS. (lb/size) 2=118/0-3-8, 19=2420/0-5-8, 11=1535/0-5-8
Max Horz 2=-184(LC 10)
Max Uplift 2=-114(LC 12), 19=-99(LC 12), 11=-34(LC 12)
Max Grav 2=235(LC 21), 19=2420(LC 1), 11=1535(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/462, 3-4=-212/910, 4-5=-915/286, 5-6=-1273/447, 6-7=-1167/468, 7-8=-1327/467, 8-9=-1907/546, 9-10=-2441/612, 10-11=-2721/634
BOT CHORD 2-20=-503/0, 19-20=-503/0, 18-19=-718/323, 17-18=0/858, 16-17=-9/1112, 15-16=-204/1700, 14-15=-370/2182, 13-14=-490/2443, 11-13=-490/2443
WEBS 3-19=-536/401, 4-19=-2037/570, 4-18=-366/1788, 5-18=-924/313, 5-17=-40/540, 6-16=-103/550, 7-16=-83/330, 8-16=-937/299, 8-15=-80/630, 9-15=-667/227, 9-14=-3/370, 10-14=-301/135

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 114 lb uplift at joint 2, 99 lb uplift at joint 19 and 34 lb uplift at joint 11.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
December 20,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see *ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information* available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	J01	Jack-Open	10	1	T18967063
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:09:58 2019 Page 1
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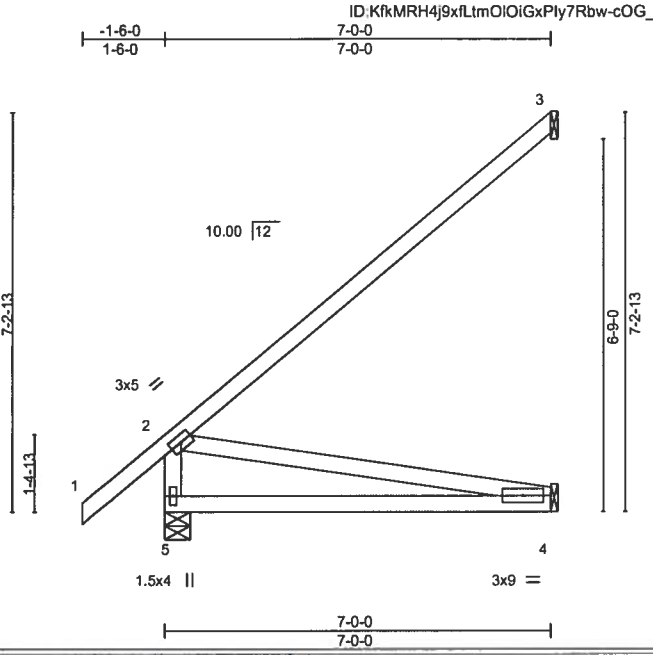


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	-0.13	4-5	>621	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.26	4-5	>311	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 39 lb	FT = 0%

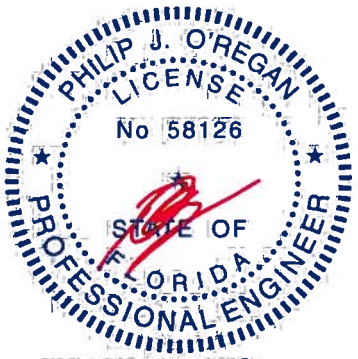
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 5=383/0-5-8, 3=192/Mechanical, 4=69/Mechanical
Max Horz 5=209(LC 12)
Max Uplift 3=-87(LC 12)
Max Grav 5=383(LC 1), 3=208(LC 17), 4=137(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-314/48
BOT CHORD 4-5=-306/243
WEBS 2-4=-247/310

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Cushman	T18967064
Cushman	J02	Jack-Open	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:09:59 2019 Page 1
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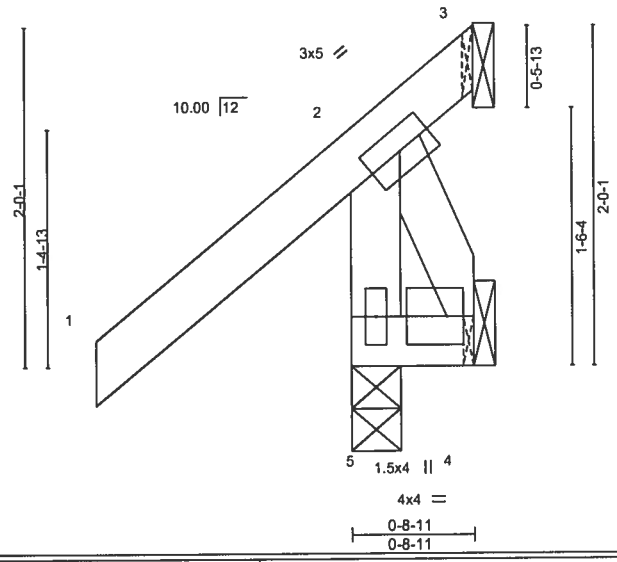
-1-6-0 / 1-6-0 | 0-8-11 / 0-8-11

Scale = 1:13.1



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	0.21	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 9 lb	FT = 0%

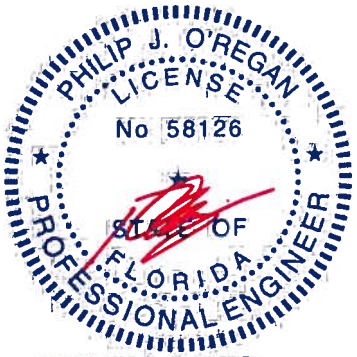
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 0-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=265/0-3-8, 3=-127/Mechanical, 4=6/Mechanical
Max Horz 5=48(LC 11)
Max Uplift 5=-53(LC 12), 3=-127(LC 1), 4=-99(LC 12)
Max Grav 5=265(LC 1), 3=112(LC 12), 4=44(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-259/137

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 5, 127 lb uplift at joint 3 and 99 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	J03	Jack-Open	2	1	T18967065
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:09:59 2019 Page 1
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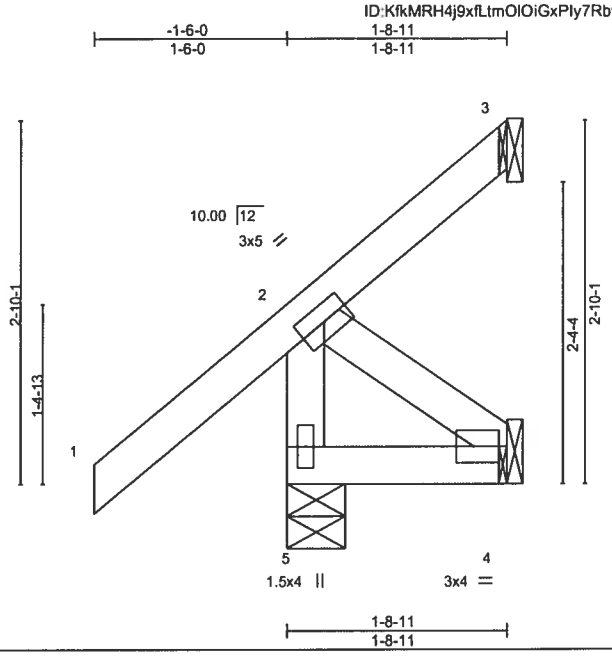


Plate Offsets (X,Y)-- [4:Edge,0-1-8]

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	0.21	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

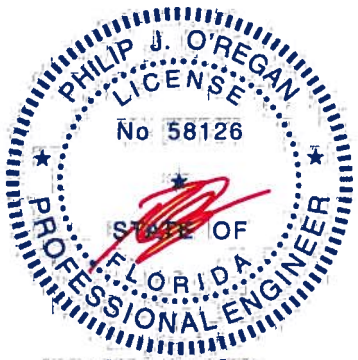
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=213/0-5-8, 3=-5/Mechanical, 4=16/Mechanical
Max Horz 5=58(LC 12)
Max Uplift 5=-18(LC 12), 3=-5(LC 9), 4=-43(LC 12)
Max Grav 5=213(LC 1), 3=21(LC 12), 4=37(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 5, 5 lb uplift at joint 3 and 43 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	Cushman	
Cushman	J04	Jack-Open	2	1	Job Reference (optional)	T18967066

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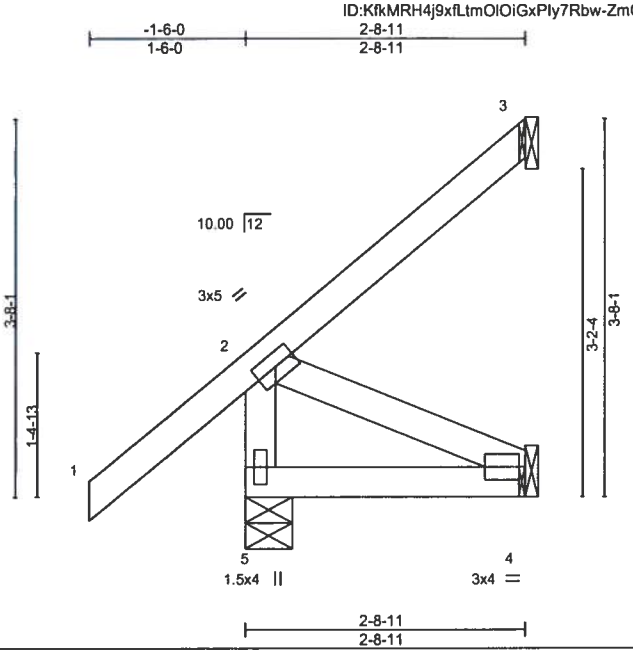


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 18 lb	FT = 0%

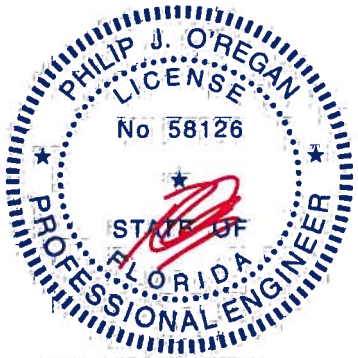
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=232/0-5-8, 3=43/Mechanical, 4=26/Mechanical
Max Horz 5=124(LC 12)
Max Uplift 3=-17(LC 9), 4=-36(LC 12)
Max Grav 5=232(LC 1), 3=50(LC 17), 4=52(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 3 and 36 lb uplift at joint 4.



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December 20,2019

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Job	Truss	Truss Type	Qty	Ply	Cushman	
Cushman	J05	Jack-Open	2	1	Job Reference (optional)	T18967067

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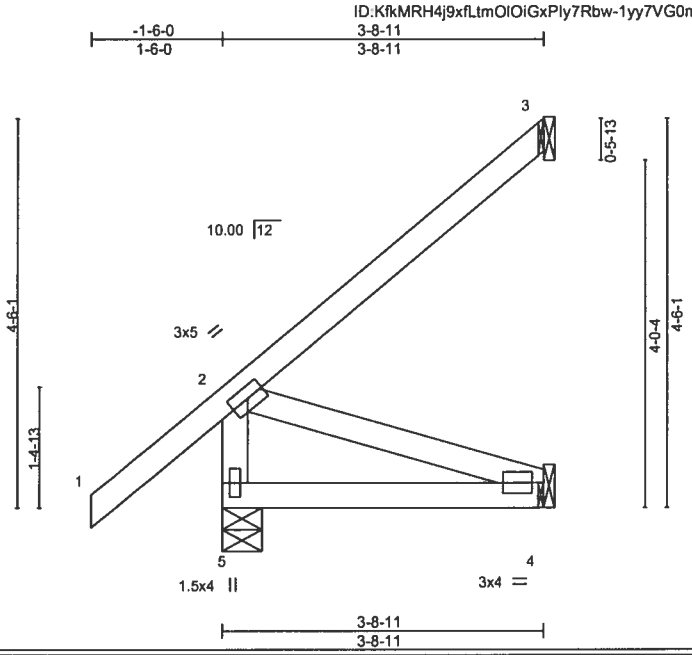


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 23 lb	FT = 0%

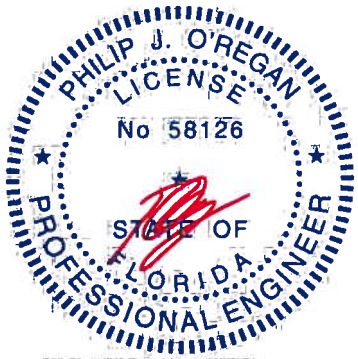
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=263/0-5-8, 3=82/Mechanical, 4=36/Mechanical
Max Horz 5=144(LC 12)
Max Uplift 3=-31(LC 12), 4=-22(LC 12)
Max Grav 5=263(LC 1), 3=91(LC 17), 4=72(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 3 and 22 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	J06	Jack-Open	2	1	T18967068

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:01 2019 Page 1
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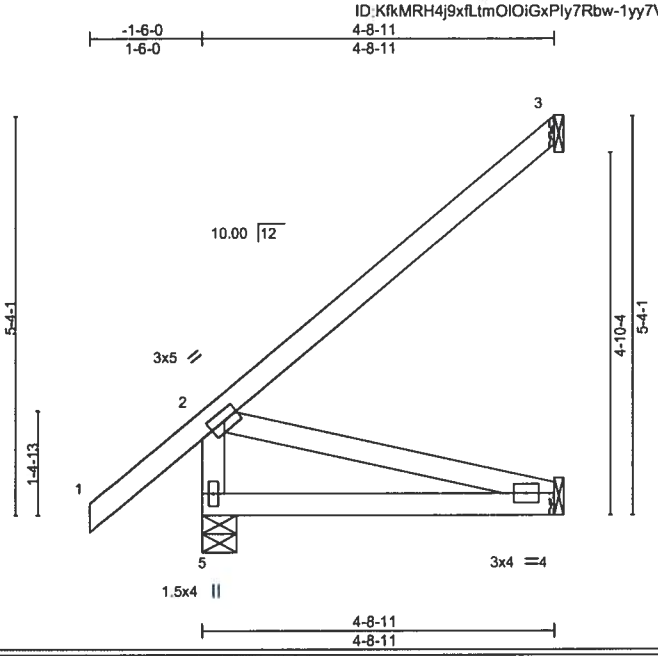


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.03	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 28 lb	FT = 0%

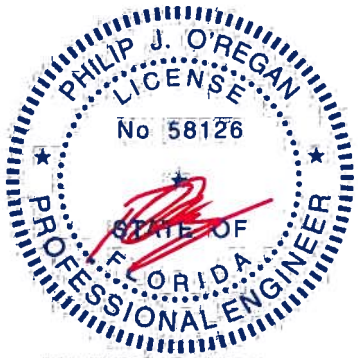
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 5=298/0-5-8, 3=117/Mechanical, 4=46/Mechanical
Max Horz 5=164(LC 12)
Max Uplift 3=-50(LC 12), 4=-12(LC 12)
Max Grav 5=298(LC 1), 3=128(LC 17), 4=92(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-252/52

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 3 and 12 lb uplift at joint 4.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
December 20,2019

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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	J07	Jack-Open	2	1	T18967069
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:02 2019 Page 1
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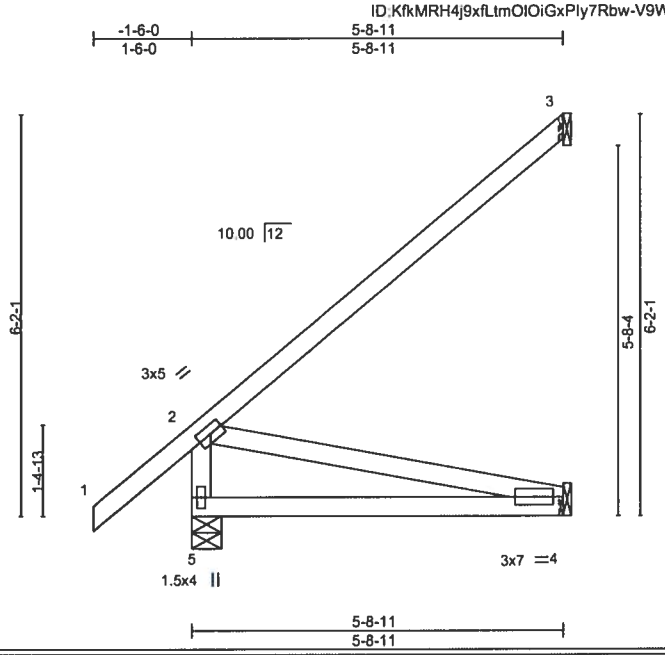


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.06	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.12	4-5	>576	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 33 lb	FT = 0%

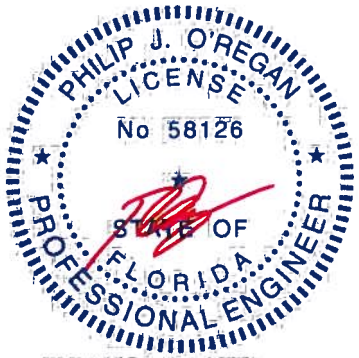
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 5=335/0-5-8, 3=151/Mechanical, 4=56/Mechanical
Max Horz 5=184(LC 12)
Max Uplift 3=-67(LC 12), 4=-3(LC 12)
Max Grav 5=335(LC 1), 3=164(LC 17), 4=112(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-279/50
BOT CHORD 4-5=-268/212
WEBS 2-4=-217/274

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 3 and 3 lb uplift at joint 4.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	J08	Jack-Open	2	1	T18967070
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:03 2019 Page 1
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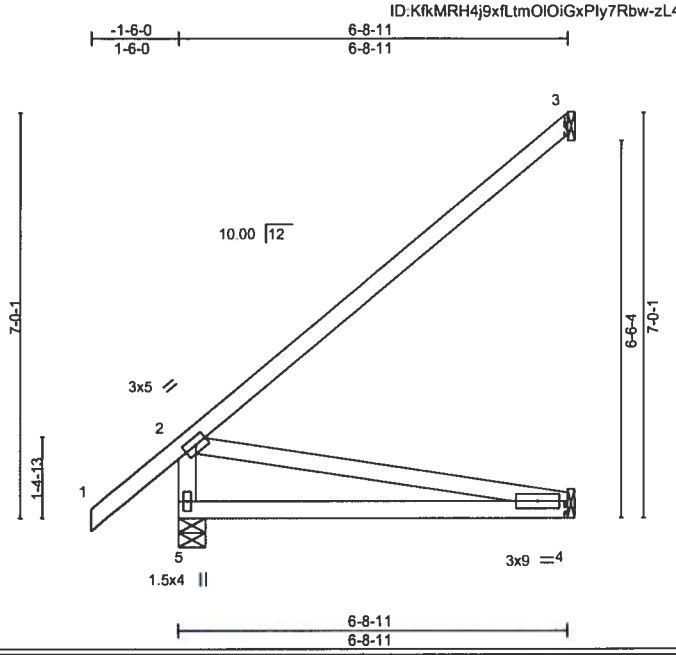


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.11	4-5	>703	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.22	4-5	>351	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 37 lb	FT = 0%

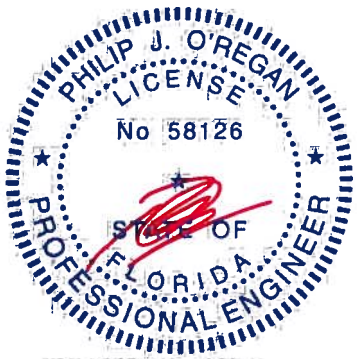
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 5=372/0-5-8, 3=183/Mechanical, 4=66/Mechanical
Max Horz 5=204(LC 12)
Max Uplift 3=-83(LC 12)
Max Grav 5=372(LC 1), 3=198(LC 17), 4=132(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-307/48
BOT CHORD 4-5=-298/237
WEBS 2-4=-241/303

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 3.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Cushman	
Cushman	J09	Jack-Open	2	1	Job Reference (optional)	T18967071

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:03 2019 Page 1
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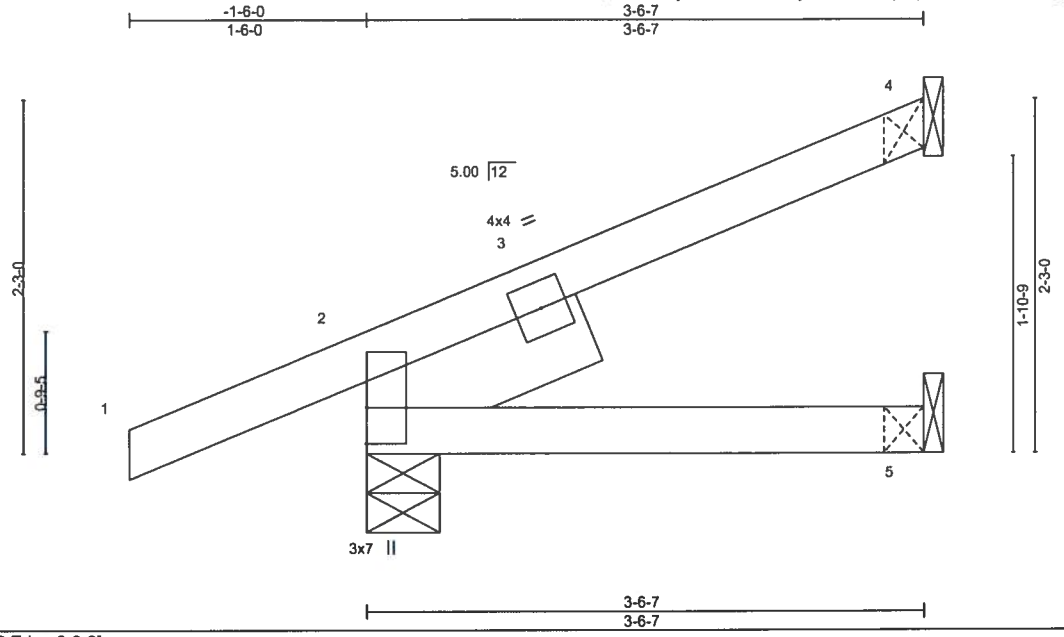


Plate Offsets (X,Y)— [2:Edge,0-0-0]

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	0.14	Vert(LL)	0.01	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.01	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 17 lb	FT = 0%

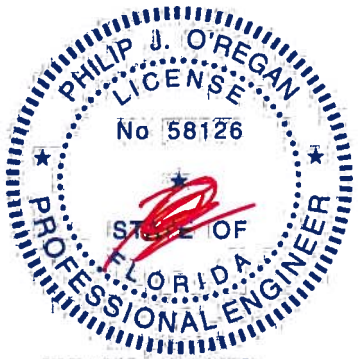
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=80/Mechanical, 2=248/0-5-8, 5=40/Mechanical
Max Horz 2=58(LC 12)
Max Uplift 4=-17(LC 12), 2=-32(LC 12)
Max Grav 4=80(LC 1), 2=248(LC 1), 5=59(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 4 and 32 lb uplift at joint 2.



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Job	Truss	Truss Type	Qty	Ply	Cushman	
Cushman	J10	Jack-Partial	2	1	Job Reference (optional)	T18967072

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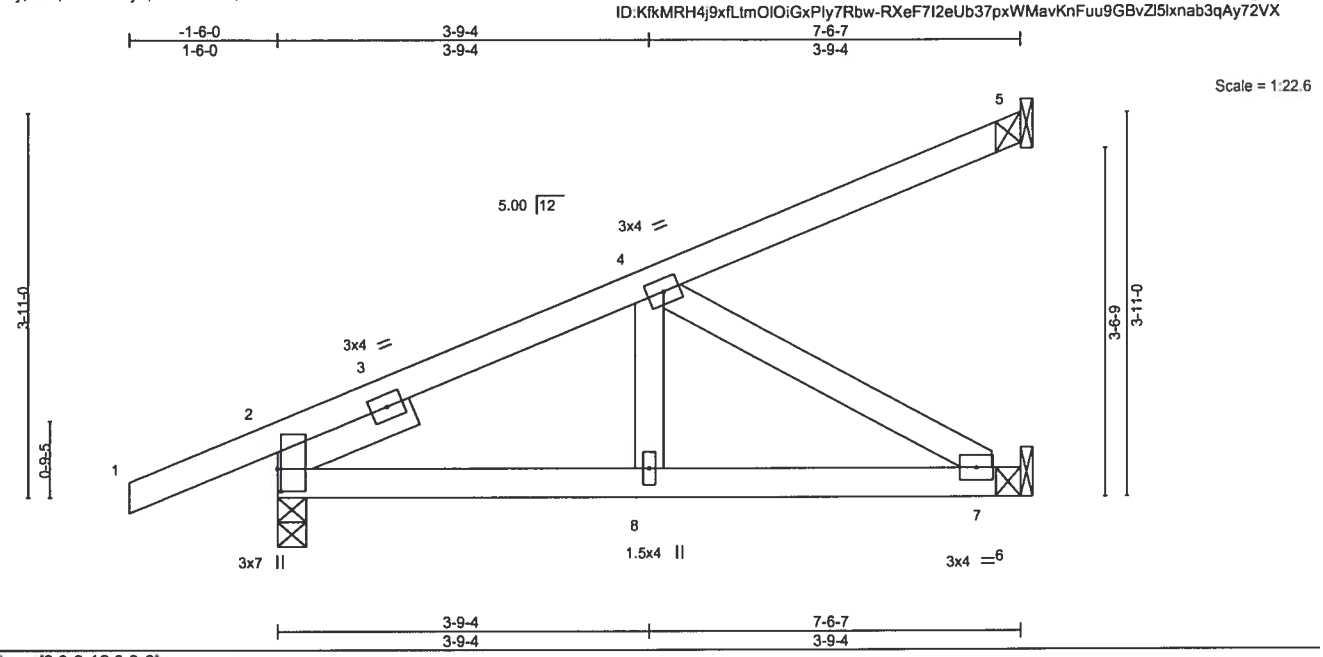


Plate Offsets (X,Y)-- [2:0-2-12,0-0-6]

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	0.16	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.02	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 36 lb	FT = 0%

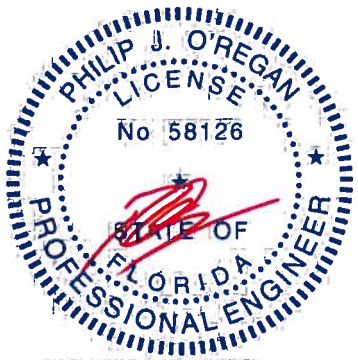
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 5=95/Mechanical, 2=398/0-3-8, 6=195/Mechanical
Max Horz 2=98(LC 12)
Max Uplift 5=-23(LC 12), 2=-20(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-347/61
BOT CHORD 2-8=-174/296, 7-8=-174/296
WEBS 4-7=-343/202

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 5 and 20 lb uplift at joint 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	J11	Jack-Closed	1	1	T18967073
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:05 2019 Page 1
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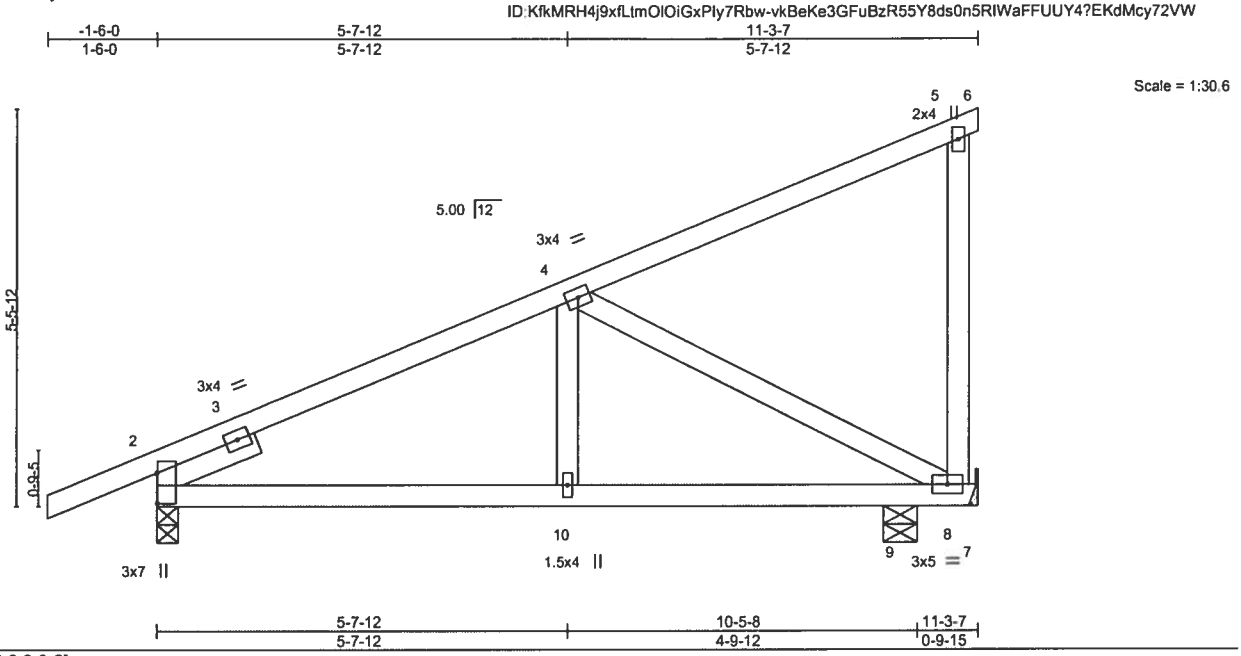


Plate Offsets (X,Y)-- [2:0-5-0,0-0-2]

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	0.26	Vert(LL)	-0.02	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.04	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 59 lb	FT = 0%

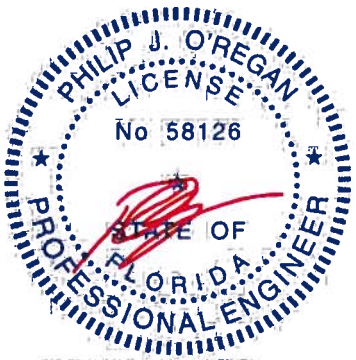
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=530/0-3-8, 8=364/Mechanical, 9=88/0-5-8
Max Horz 2=158(LC 11)
Max Uplift 2=-34(LC 12), 8=-85(LC 9)
Max Grav 2=530(LC 1), 8=364(LC 1), 9=178(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-460/157
BOT CHORD 2-10=-312/469, 9-10=-312/469, 8-9=-312/469
WEBS 4-8=-513/273

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 2 and 85 lb uplift at joint 8.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	J12	Jack-Closed	1	1	T18967074
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:06 2019 Page 1
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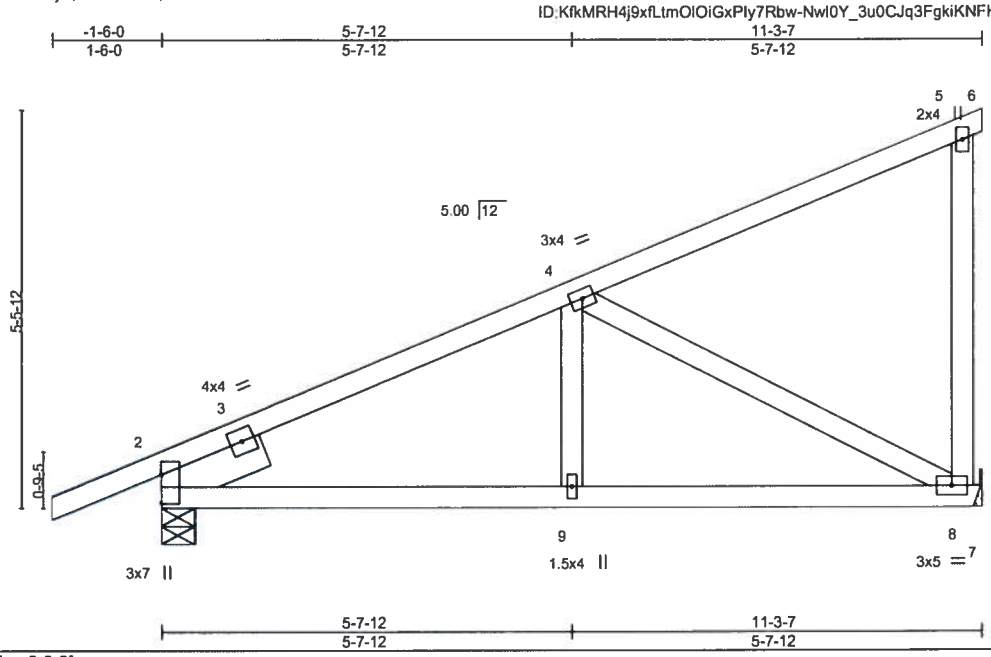


Plate Offsets (X,Y)– [2:Edge,0-0-0]

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	0.25	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.04	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 61 lb	FT = 0%

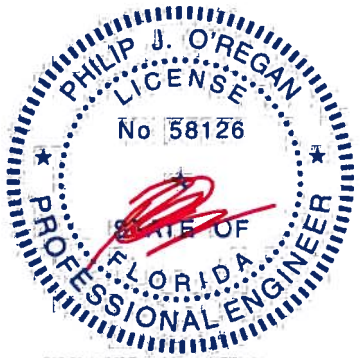
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=537/0-5-8, 8=445/Mechanical
Max Horz 2=158(LC 11)
Max Uplift 2=-33(LC 12), 8=-2(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-570/163
BOT CHORD 2-9=-290/485, 8-9=-290/485
WEBS 4-8=-524/257

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 2 and 2 lb uplift at joint 8.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T01	Common	3	1	T18967075
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:07 2019 Page 1
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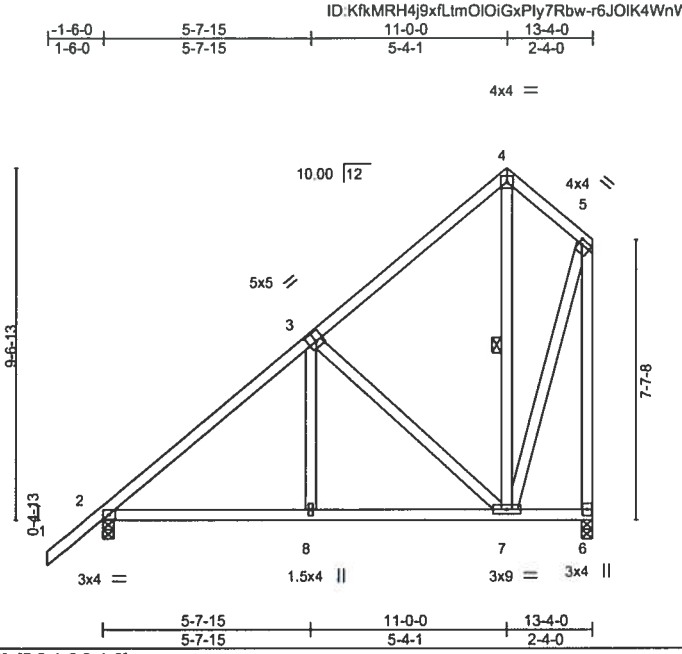


Plate Offsets (X,Y)– [2:0-2-1,0-1-8], [3:0-2-8,0-3-0], [5:0-1-0,0-1-8]

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	0.55	Vert(LL)	-0.03	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.06	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 101 lb	FT = 0%

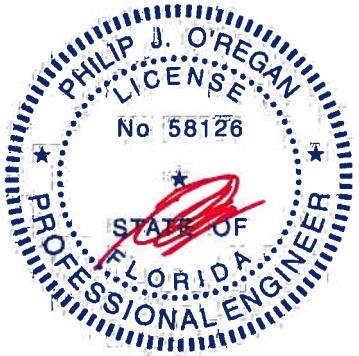
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7

REACTIONS. (lb/size) 2=623/0-3-8, 6=522/0-3-8
Max Horz 2=275(LC 11)
Max Uplift 2=-32(LC 12), 6=-10(LC 9)
Max Grav 2=623(LC 1), 6=529(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-608/112, 3-4=-296/170, 4-5=-311/225, 5-6=-520/173
BOT CHORD 2-8=-284/567, 7-8=-285/565
WEBS 3-7=-469/201, 5-7=-199/488

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 2 and 10 lb uplift at joint 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T01GE	Common Supported Gable	1	1	T18967076
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:08 2019 Page 1
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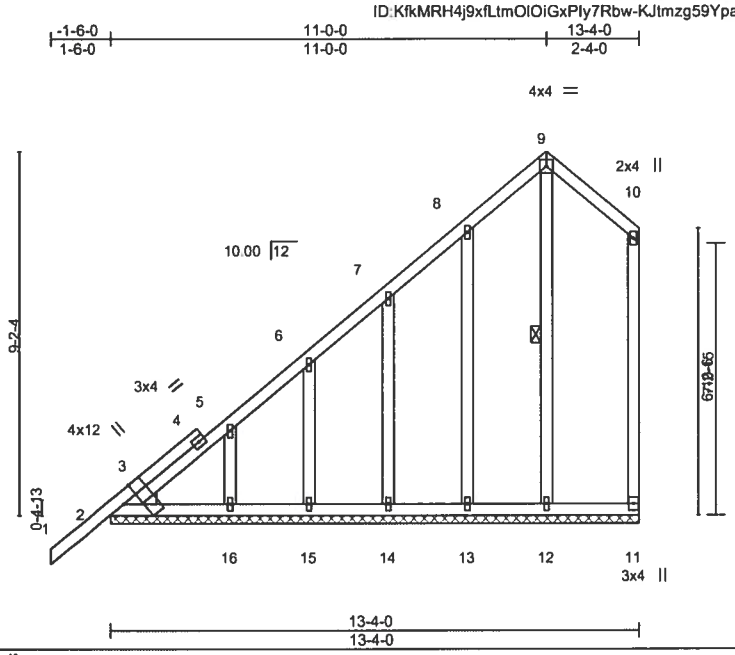


Plate Offsets (X,Y)– [2:0-3-8,Edge], [3:0-0-0,0-2-4]

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	0.35	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 103 lb	FT = 0%

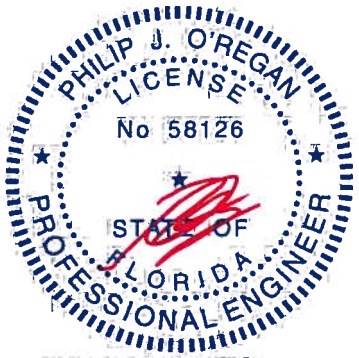
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-12

REACTIONS. All bearings 13-4-0.
(lb) - Max Horz 2=264(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 12, 13, 14, 15, 16
Max Grav All reactions 250 lb or less at joint(s) 2, 11, 12, 13, 14, 15, 16

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-371/318, 3-5=-364/344, 5-6=-302/283

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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.
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) 2, 11, 12, 13, 14, 15, 16.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T01SGE	Common Structural Gable	1	1	T18967077
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:09 2019 Page 1
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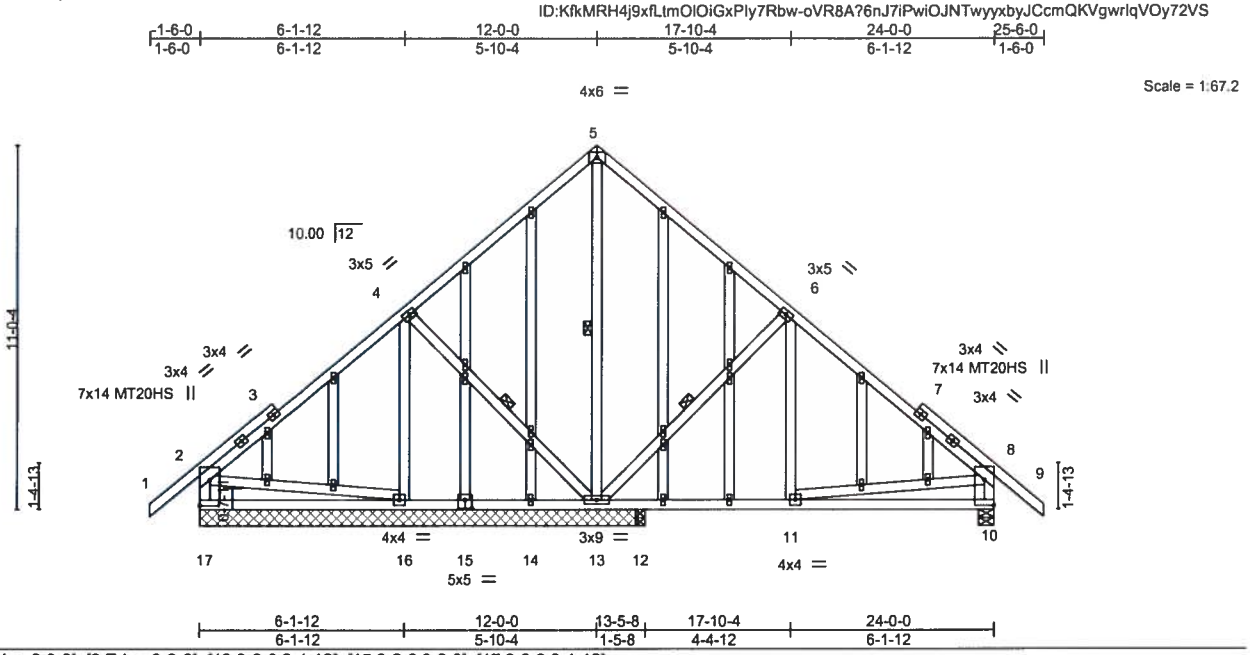


Plate Offsets (X,Y)-- [2:Edge,0-3-8], [8:Edge,0-3-8], [10:0-0-0,0-1-12], [15:0-2-8,0-3-0], [17:0-0-0,0-1-12]

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	0.33	Vert(LL)	-0.03	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.06	10-11	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 233 lb	FT = 0%

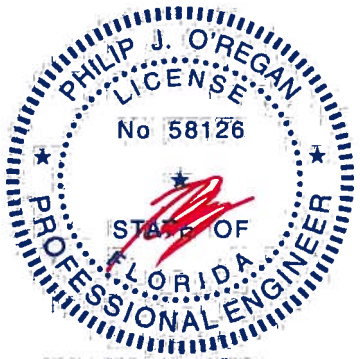
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-13, 6-13, 4-13

REACTIONS. All bearings 13-5-8 except (jt=length) 10=0-5-8, 12=0-3-8.
(lb) - Max Horz 17=244(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17, 10 except 13=-114(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 14, 12 except 17=356(LC 21), 13=699(LC 1), 16=405(LC 17), 10=536(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-8=-406/48, 2-17=-298/107, 8-10=-477/133
BOT CHORD 16-17=-155/319, 10-11=-42/250
WEBS 5-13=-375/36, 6-13=-446/204, 4-16=-275/104, 2-16=-284/207

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 1.5x4 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.
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) 17, 10 except (jt=lb) 13=114.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T02	Common	2	1	T18967078
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:10 2019 Page 1
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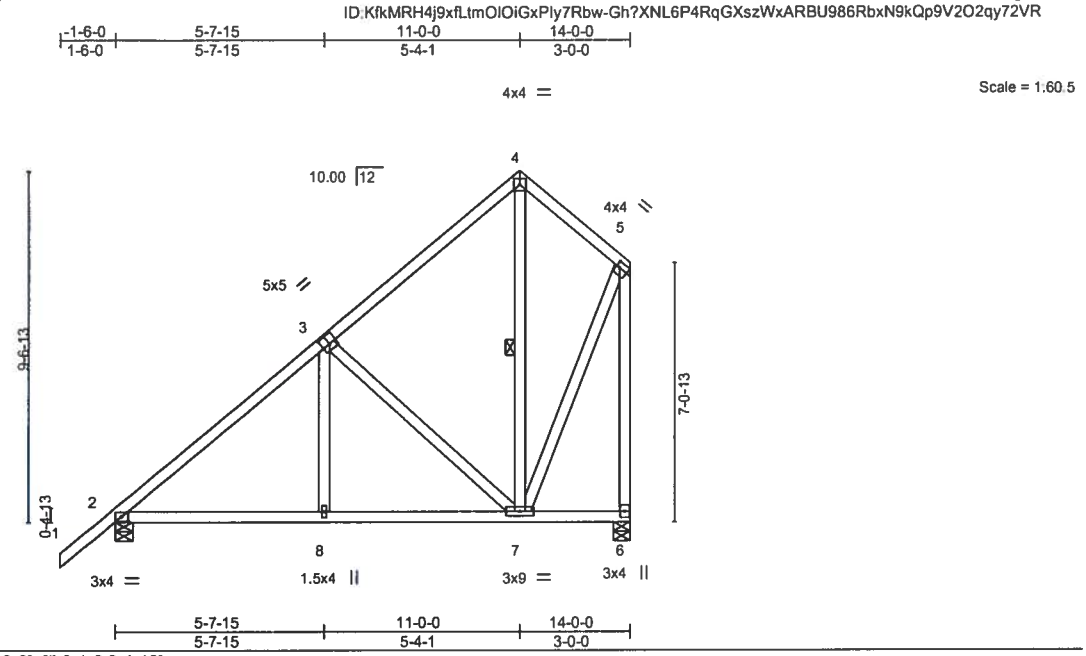


Plate Offsets (X,Y)-- [2:0-2-1,0-1-8], [3:0-2-8,0-3-0], [5:0-1-0,0-1-12]

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	0.44	Vert(LL)	-0.03	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.06	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 102 lb	FT = 0%

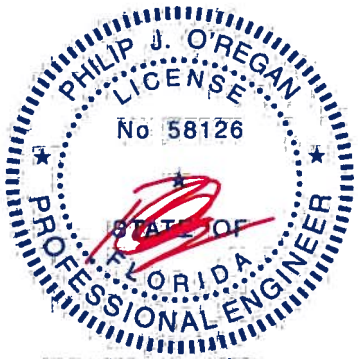
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7

REACTIONS. (lb/size) 2=649/0-5-8, 6=549/0-5-8
Max Horz 2=270(LC 11)
Max Uplift 2=-33(LC 12), 6=-3(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-648/118, 3-4=-326/177, 4-5=-334/213, 5-6=-530/174
BOT CHORD 2-8=-280/586, 7-8=-280/585
WEBS 3-7=-466/197, 5-7=-159/435

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
December 20,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T02GE	Common Supported Gable	1	1	T18967079
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:11 2019 Page 1
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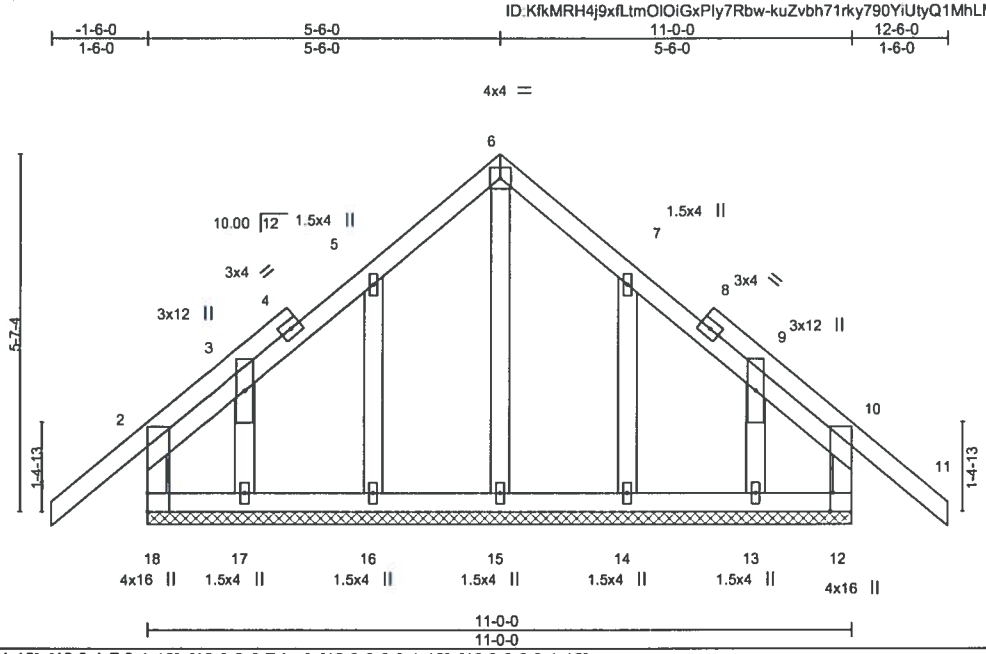


Plate Offsets (X,Y)-- [2:0-1-7,0-1-12], [10:0-1-7,0-1-12], [10:0-3-8,Edge], [12:0-0-0,0-1-12], [18:0-0-0,0-1-12]

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	0.17	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 78 lb	FT = 0%

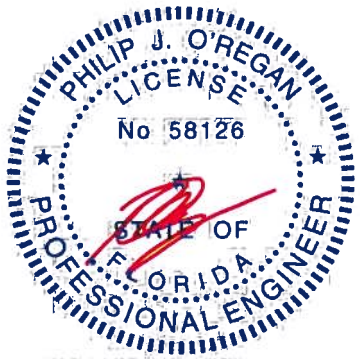
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 11-0-0.
(lb) - Max Horz 18=-135(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 18, 12, 16, 17, 14, 13
Max Grav All reactions 250 lb or less at joint(s) 18, 12, 15, 16, 17, 14, 13

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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.
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) 18, 12, 16, 17, 14, 13.



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Date:
December 20,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T03	Common	1	1	T18967080
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:12 2019 Page 1
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1-6-0	5-3-2	10-2-12	17-3-6	24-4-0	31-4-10	38-5-4	43-4-14	48-8-0
1-6-0	5-3-2	4-11-10	7-0-10	7-0-10	7-0-10	7-0-10	4-11-10	5-3-2

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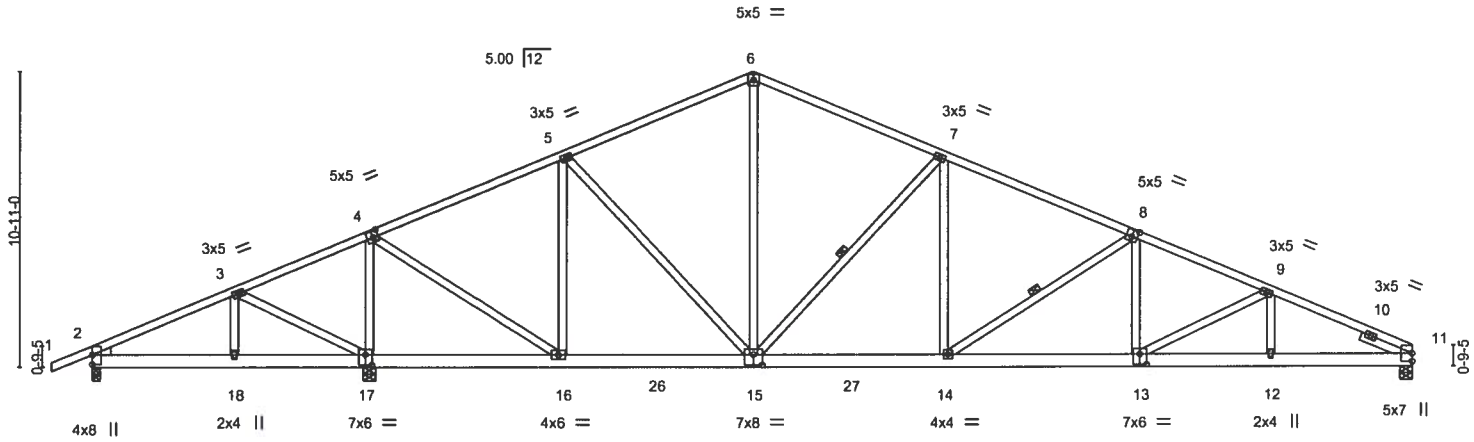


5-3-2	10-2-12	17-3-6	24-4-0	31-4-10	38-5-4	43-4-14	48-8-0
5-3-2	4-11-10	7-0-10	7-0-10	7-0-10	7-0-10	4-11-10	5-3-2

Plate Offsets (X,Y)– [2:0-0-0,0-5-9], [4:0-2-4,0-3-0], [8:0-2-8,0-3-0], [13:0-3-0,0-4-8], [15:0-4-0,0-4-8], [17:0-3-0,0-4-8]

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	0.50	Vert(LL)	-0.12	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.25	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 324 lb	FT = 0%

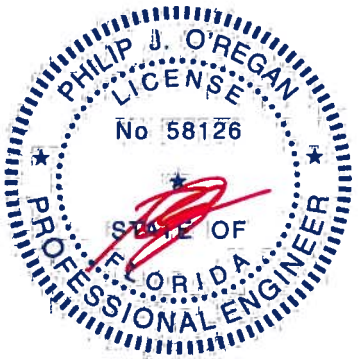
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2
SLIDER Right 2x4 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-15, 8-14

REACTIONS. (lb/size) 2=114/0-3-8, 17=2427/0-5-8, 11=1442/0-5-8
Max Horz 2=187(LC 11)
Max Uplift 2=-110(LC 12), 17=-104(LC 12)
Max Grav 2=240(LC 21), 17=2427(LC 1), 11=1442(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/483, 3-4=-227/916, 4-5=-972/294, 5-6=-1297/455, 6-7=-1288/455, 7-8=-1988/549, 8-9=-2558/637, 9-11=-2710/644
BOT CHORD 2-18=-525/0, 17-18=-525/0, 16-17=-735/305, 15-16=-14/905, 14-15=-249/1754, 13-14=-445/2320, 12-13=-526/2448, 11-12=-526/2448
WEBS 6-15=-135/600, 7-15=-1004/319, 7-14=-42/587, 8-14=-686/236, 8-13=0/330, 5-15=-28/505, 5-16=-880/311, 4-16=-380/1809, 4-17=-2045/588, 3-17=-530/401

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left 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 100 lb uplift at joint(s) except (jt=lb) 2=110, 17=104.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T03GE	Roof Special	1	2	T18967081

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:14 2019 Page 1

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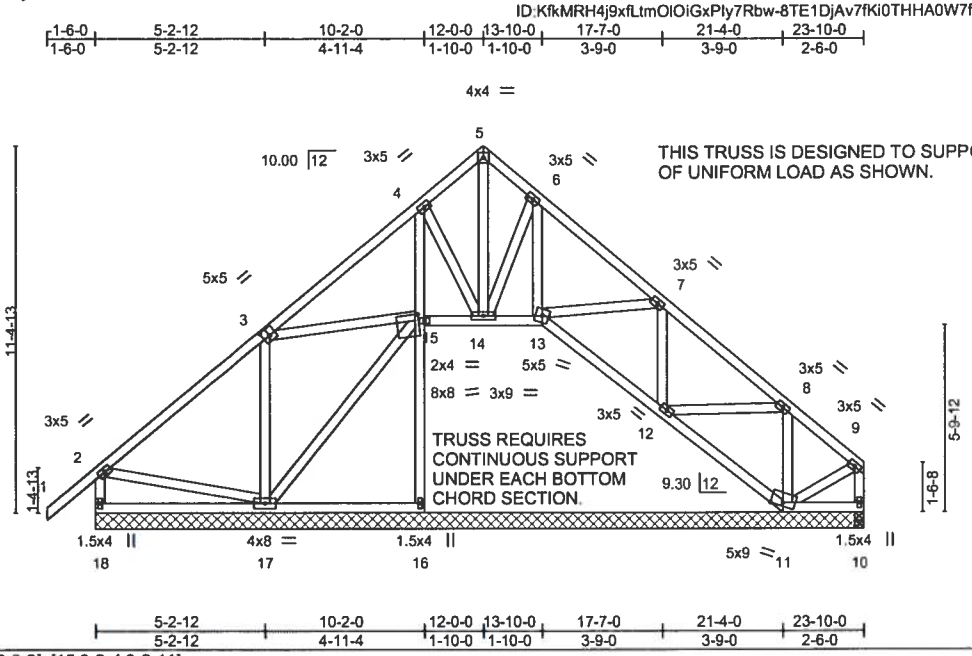


Plate Offsets (X,Y)— [3:0-2-8,0-3-0], [15:0-2-4,0-2-11]

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	0.12	Vert(LL)	-0.01	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 371 lb	FT = 0%

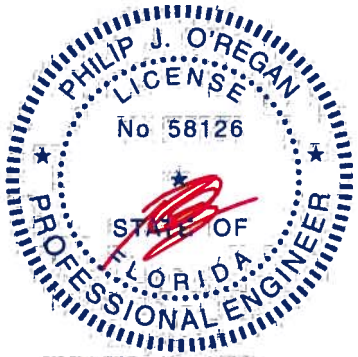
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 23-10-0.
(lb) - Max Horz 18=249(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 18, 16, 11, 10, 17, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 16, 13, 11, 10, 10 except 18=312(LC 18), 17=416(LC 21), 14=377(LC 17), 12=316(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-268/177
BOT CHORD 17-18=-213/264, 14-15=-223/263, 13-14=-237/265
WEBS 3-17=-334/124

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 16, 11, 10, 17, 14, 12.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

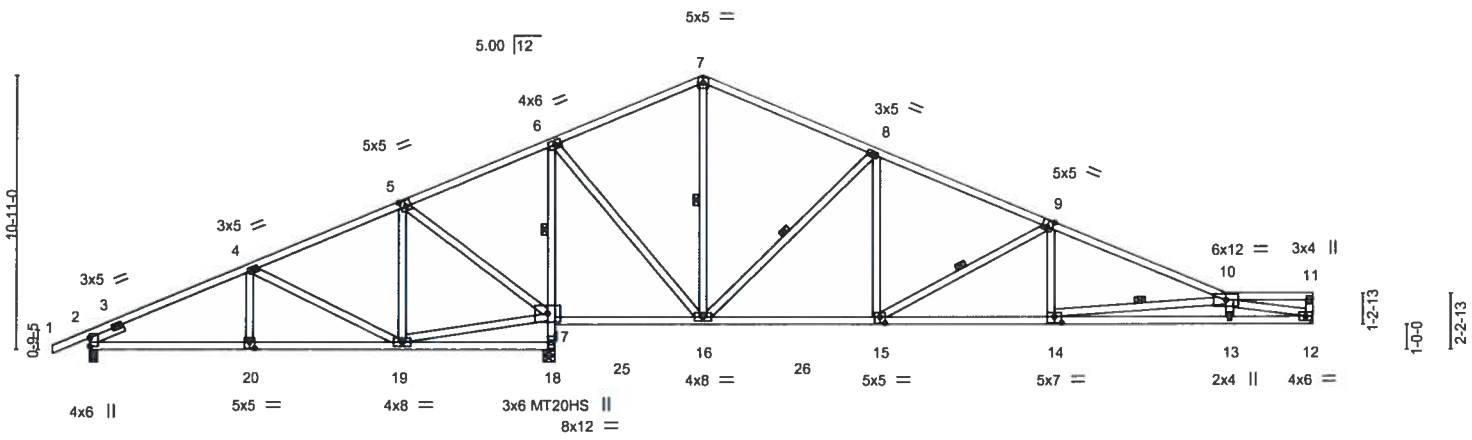
MiTek
6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T04	Roof Special	4	1	T18967082
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:15 2019 Page 1
ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-cfoQR3AYuzSZedsTjj1MBCrxMcWDqtnYJnl8j1y72VM

1-6-0	6-4-3	12-4-13	18-5-8	24-4-0	31-3-5	38-2-11	45-2-0	48-8-0
1-6-0	6-4-3	6-0-11	6-0-11	5-10-8	6-11-5	6-11-5	6-11-5	3-6-0

Scale = 1:88.6



6-4-3	12-4-13	18-0-0	18-5-8	24-4-0	31-3-5	38-2-11	45-2-0	48-8-0
6-4-3	6-0-11	5-7-3	0-5-8	5-10-8	6-11-5	6-11-5	6-11-5	3-6-0

Plate Offsets (X,Y)– [5:0-2-8,0-3-0], [9:0-2-8,0-3-4], [14:0-3-8,0-3-0], [15:0-2-8,0-3-0], [20:0-2-8,0-3-0]

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	0.55	Vert(LL)	-0.18	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.39	13-14	>926	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 291 lb	FT = 0%

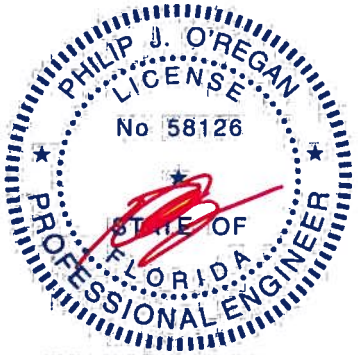
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-17
WEBS 1 Row at midpt 7-16, 8-16, 9-15, 10-14

REACTIONS. (lb/size) 12=928/Mechanical, 2=364/0-3-8, 18=2680/0-5-8
Max Horz 2=194(LC 11)
Max Uplift 2=-172(LC 12), 18=-194(LC 12)
Max Grav 12=941(LC 22), 2=532(LC 21), 18=2680(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-478/426, 4-5=0/668, 5-6=-342/1351, 8-9=-893/199, 9-10=-1709/328
BOT CHORD 2-20=-400/441, 19-20=-400/441, 17-18=-2624/956, 6-17=-2133/636, 16-17=-1185/538, 15-16=0/702, 14-15=-241/1509, 13-14=-555/2834, 12-13=-541/2839
WEBS 4-20=-137/255, 4-19=-642/451, 5-19=-362/542, 17-19=-595/94, 5-17=-899/617, 6-16=-394/1712, 7-16=-431/143, 8-16=-1075/330, 8-15=-59/662, 9-15=-928/289, 9-14=0/440, 10-14=-1316/336, 10-12=-2762/523

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=172, 18=194.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T05	Roof Special	3	1	T18967083
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:17 2019 Page 1
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1-6-0	6-4-3	12-4-13	18-5-8	22-5-8	24-4-0	29-5-0	36-8-0	42-8-0	48-8-0
1-6-0	6-4-3	6-0-11	6-0-11	4-0-0	1-10-8	5-1-0	7-3-0	6-0-0	6-0-0

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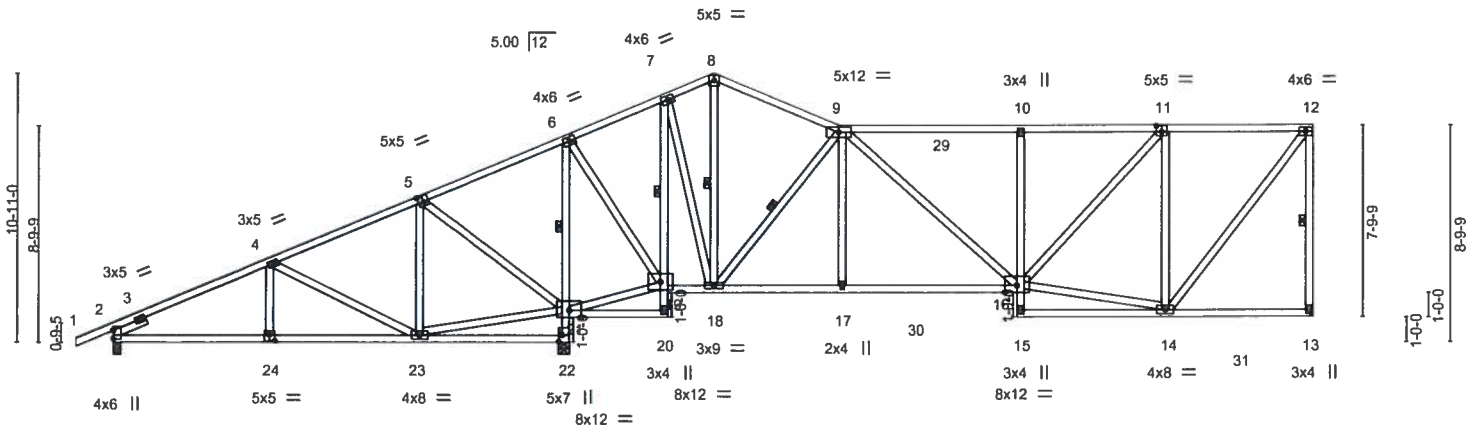


6-4-3	12-4-13	18-2-12	18-5-8	22-5-8	24-4-0	29-5-0	36-8-0	42-8-0	48-8-0
6-4-3	6-0-11	5-9-15	0-2-12	4-0-0	1-10-8	5-1-0	7-3-0	6-0-0	6-0-0

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [11:0-2-8,0-3-0], [22:0-3-8,Edge], [24:0-2-8,0-3-0]

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	0.45	Vert(LL)	-0.09	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.20	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 360 lb	FT = 0%

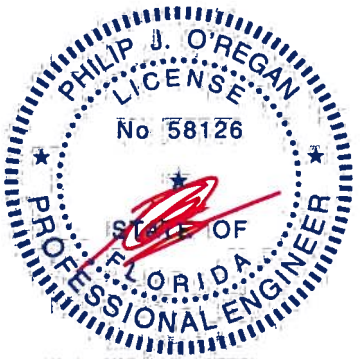
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-21, 7-19
WEBS 1 Row at midpt 12-13, 8-18, 9-18

REACTIONS. (lb/size) 13=1043/Mechanical, 2=554/0-3-8, 22=2375/0-5-8
Max Horz 2=276(LC 11)
Max Uplift 2=-163(LC 12), 22=-204(LC 12)
Max Grav 13=1061(LC 22), 2=621(LC 21), 22=2375(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-663/481, 5-6=-368/795, 7-8=-328/109, 8-9=-360/94, 9-10=-1115/264, 10-11=-1098/261, 11-12=-684/218, 12-13=-1008/221
BOT CHORD 2-24=-717/612, 23-24=-717/612, 21-22=-2318/926, 6-21=-1577/521, 7-19=-1107/316, 18-19=-130/253, 17-18=-205/912, 16-17=-203/918, 10-16=-412/193
WEBS 4-23=-581/459, 5-23=-332/464, 5-21=-802/588, 19-21=-677/353, 6-19=-304/1189, 7-18=-213/899, 9-18=-1055/257, 9-17=0/284, 9-16=-105/297, 14-16=-151/666, 11-16=-114/618, 11-14=-831/267, 12-14=-185/1068

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=163, 22=204.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T06	Roof Special	1	1	T18967084
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:19 2019 Page 1
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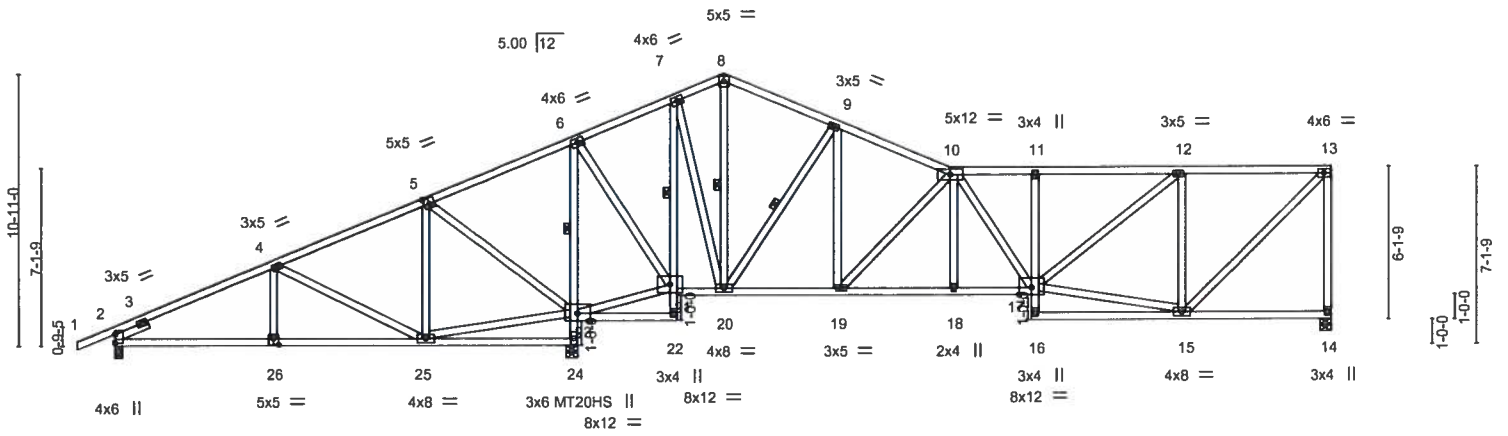
1-6-0	6-4-3	12-4-13	18-5-8	22-5-8	24-4-0	28-10-8	33-5-0	36-8-0	42-8-0	48-8-0
1-6-0	6-4-3	6-0-11	6-0-11	4-0-0	1-10-8	4-6-8	4-6-8	3-3-0	6-0-0	6-0-0

Scale = 1:89.1



6-4-3	12-4-13	18-2-12	18-5-8	22-5-8	24-4-0	28-10-8	33-5-0	36-8-0	42-8-0	48-8-0
6-4-3	6-0-11	5-9-15	0-2-12	4-0-0	1-10-8	4-6-8	4-6-8	3-3-0	6-0-0	6-0-0

Plate Offsets (X,Y)– [5:0-2-8,0-3-0], [26:0-2-8,0-3-0]

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	0.52	Vert(LL)	-0.08	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.15	17-18	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 360 lb	FT = 0%

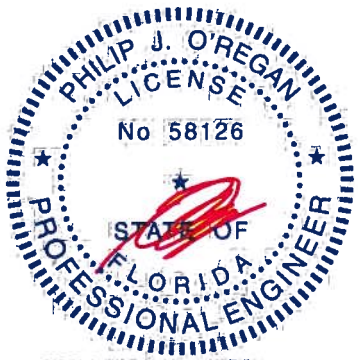
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-23, 7-21
WEBS 1 Row at midpt 8-20, 9-20

REACTIONS. (lb/size) 14=1013/0-5-8, 2=504/0-3-8, 24=2454/0-5-8
Max Horz 2=255(LC 11)
Max Uplift 2=-164(LC 12), 24=-204(LC 12)
Max Grav 14=1030(LC 22), 2=598(LC 21), 24=2454(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-614/465, 4-5=-140/318, 5-6=-355/933, 8-9=-257/88, 9-10=-846/160, 10-11=-1375/276, 11-12=-1373/279, 12-13=-830/222, 13-14=-977/210
BOT CHORD 2-26=-638/567, 25-26=-638/567, 23-24=-2398/942, 6-23=-1623/517, 7-21=-1189/341, 20-21=-185/287, 19-20=-136/740, 18-19=-252/1344, 17-18=-250/1346, 11-17=-279/128
WEBS 4-25=-596/456, 5-25=-339/481, 23-25=-274/52, 5-23=-823/595, 21-23=-802/394, 6-21=-301/1233, 7-20=-228/964, 9-20=-997/277, 9-19=-97/744, 10-19=-881/211, 15-17=-196/753, 12-17=-113/685, 12-15=-828/260, 13-15=-194/1157

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf, h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=164, 24=204.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
December 20,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T07	Roof Special	1	1	T18967085
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:22 2019 Page 1
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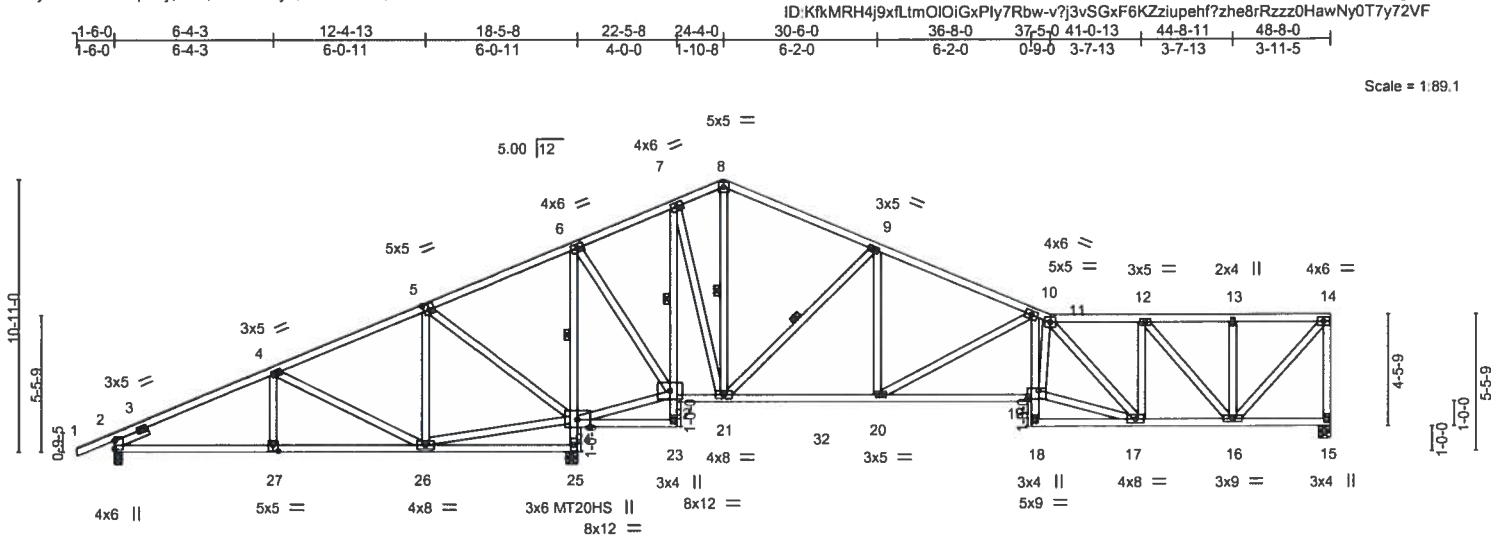


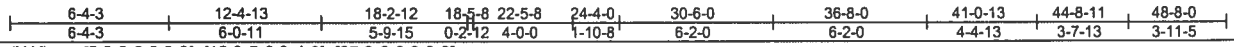


Plate Offsets (X,Y)– [5:0-2-8,0-3-0], [19:0-5-8,0-4-0], [27:0-2-8,0-3-0]

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	0.47	Vert(LL)	-0.10	19-20	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.23	19-20	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.07	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 347 lb	FT = 0%

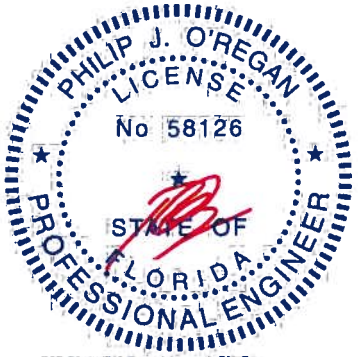
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-24, 7-22
WEBS 1 Row at midpt 8-21, 9-21

REACTIONS. (lb/size) 15=984/0-5-8, 2=457/0-3-8, 25=2531/0-5-8
Max Horz 2=234(LC 11)
Max Uplift 2=-169(LC 12), 25=-197(LC 12)
Max Grav 15=1001(LC 22), 2=574(LC 21), 25=2531(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-565/461, 4-5=-84/434, 5-6=-341/1064, 6-7=-63/265, 9-10=-1032/193, 10-11=-1914/328, 11-12=-1303/275, 12-13=-794/198, 13-14=-794/198, 14-15=-962/200
BOT CHORD 2-27=-561/521, 26-27=-561/521, 24-25=-2475/951, 6-24=-1667/506, 7-22=-1275/347, 21-22=-238/313, 20-21=-128/887, 19-20=-346/1874, 10-19=0/511, 16-17=-244/1275
WEBS 4-26=-611/453, 5-26=-343/499, 24-26=-379/11, 5-24=-843/599, 22-24=-924/420, 6-22=-289/1271, 7-21=-252/1071, 9-21=-1105/314, 9-20=-55/706, 10-20=-1121/280, 17-19=-298/1777, 11-17=-863/137, 12-17=0/316, 12-16=-730/119, 14-16=-196/1158

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=169, 25=197.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



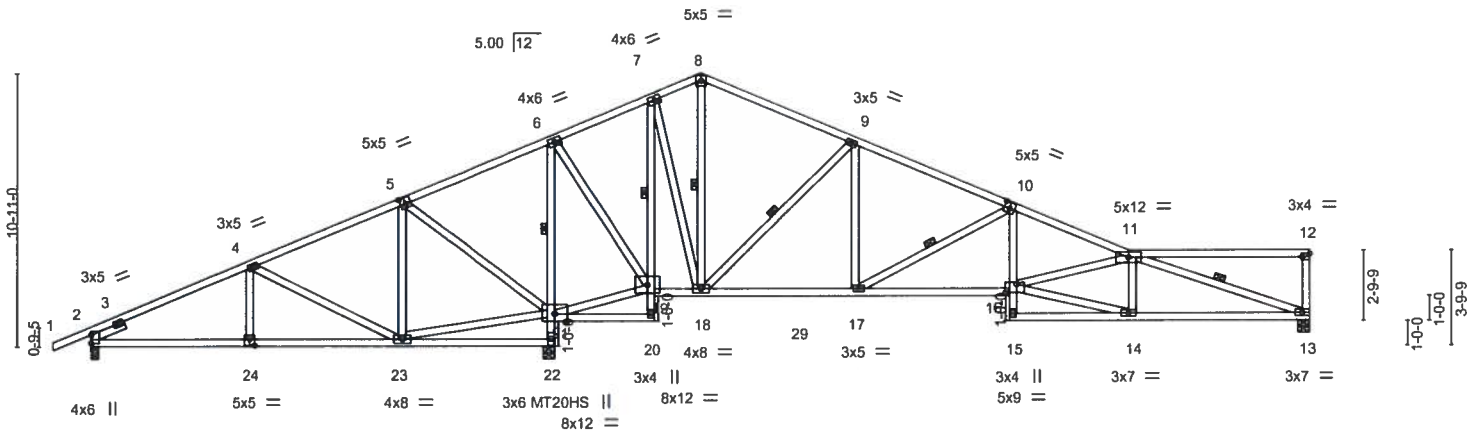
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T08	Roof Special	1	1	T18967086
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:24 2019 Page 1
ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-sOrpJ8HBnkbHD02Cl6hT36jUlFe6RzltNhR7X0y72VD

1-6-0	6-4-3	12-4-13	18-5-8	22-5-8	24-4-0	30-6-0	36-8-0	41-5-0	48-8-0
1-6-0	6-4-3	6-0-11	6-0-11	4-0-0	1-10-8	6-2-0	6-2-0	4-9-0	7-3-0

Scale = 1:88.9



6-4-3	12-4-13	18-2-12	18-5-8	22-5-8	24-4-0	30-6-0	36-8-0	41-5-0	48-8-0
6-4-3	6-0-11	5-9-15	0-2-12	4-0-0	1-10-8	6-2-0	6-2-0	4-9-0	7-3-0

Plate Offsets (X,Y)— [5:0-2-8,0-3-0], [10:0-2-8,0-3-0], [12:Edge,0-1-8], [16:0-5-8,0-4-0], [24:0-2-8,0-3-0]

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	0.51	Vert(LL)	-0.13	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.28	16-17	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 328 lb	FT = 0%

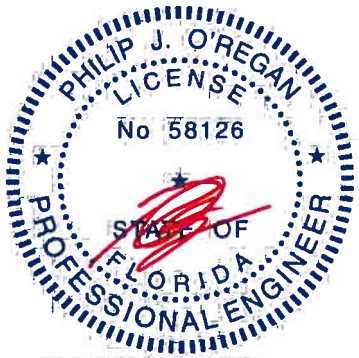
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-21, 7-19
WEBS 1 Row at midpt 8-18, 9-18, 10-17, 11-13

REACTIONS. (lb/size) 13=933/0-5-8, 2=372/0-3-8, 22=2667/0-5-8
Max Horz 2=213(LC 11)
Max Uplift 2=-36(LC 12)
Max Grav 13=948(LC 22), 2=533(LC 21), 22=2667(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-480/301, 4-5=-111/639, 5-6=-232/1299, 6-7=0/455, 9-10=-858/259, 10-11=-1944/451
BOT CHORD 2-24=-245/443, 23-24=-245/443, 21-22=-2611/682, 6-21=-1746/456, 7-19=-1408/311, 18-19=-425/274, 17-18=-113/731, 16-17=-394/1761, 10-16=-68/681, 13-14=-417/1952
WEBS 4-24=0/254, 4-23=-637/228, 5-23=-43/529, 21-23=-559/130, 5-21=-879/286, 19-21=-1136/365, 6-19=-242/1345, 7-18=-220/1192, 8-18=-317/45, 9-18=-1103/327, 9-17=-70/704, 10-17=-1176/322, 14-16=-399/1924, 11-16=-251/96, 11-14=-360/187, 11-13=-1954/410

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



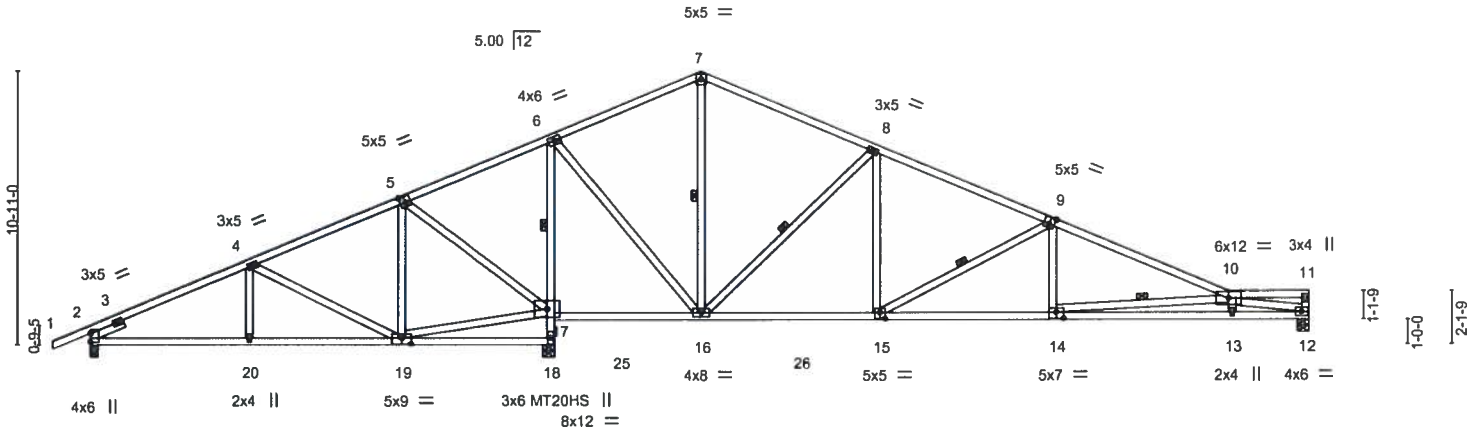
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T09	Roof Special	1	1	T18967087
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:26 2019 Page 1
ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-omzakpJRJLr?SJCatXkx8XopG2G1vsKAq?wEcuy72VB

1-6-0	6-4-3	12-4-13	18-5-8	24-4-0	31-4-5	38-4-11	45-5-0	48-8-0
1-6-0	6-4-3	6-0-11	6-0-11	5-10-8	7-0-5	7-0-5	7-0-5	3-3-0

Scale = 1:88.9



6-4-3	12-4-13	18-2-12	18-5-8	24-4-0	31-4-5	38-4-11	45-5-0	48-8-0
6-4-3	6-0-11	5-9-15	0-2-12	5-10-8	7-0-5	7-0-5	7-0-5	3-3-0

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [9:0-2-8,0-3-4], [14:0-3-8,0-3-0], [15:0-2-8,0-3-0], [19:0-4-8,0-3-0]

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	0.57	Vert(LL)	-0.19	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.42	13-14	>871	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 291 lb	FT = 0%

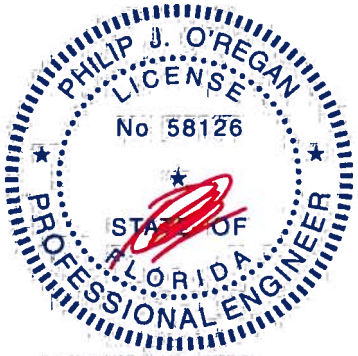
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-17
WEBS 1 Row at midpt 7-16, 8-16, 9-15, 10-14

REACTIONS. (lb/size) 12=921/0-5-8, 2=352/0-3-8, 18=2698/0-5-8
Max Horz 2=192(LC 11)
Max Uplift 2=-37(LC 12)
Max Grav 12=934(LC 22), 2=526(LC 21), 18=2698(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-466/351, 4-5=-80/703, 5-6=-218/1384, 8-9=-857/273, 9-10=-1717/410
BOT CHORD 2-20=-291/431, 19-20=-291/431, 17-18=-2644/669, 6-17=-2153/559, 16-17=-1219/426, 15-16=-57/685, 14-15=-316/1517, 13-14=-668/2922, 12-13=-651/2924
WEBS 4-20=0/261, 4-19=-654/226, 5-19=-55/546, 17-19=-613/179, 5-17=-910/297, 6-16=-320/1732, 7-16=-448/90, 8-16=-1079/333, 8-15=-59/658, 9-15=-939/297, 9-14=0/437, 10-14=-1393/373, 10-12=-2805/622

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



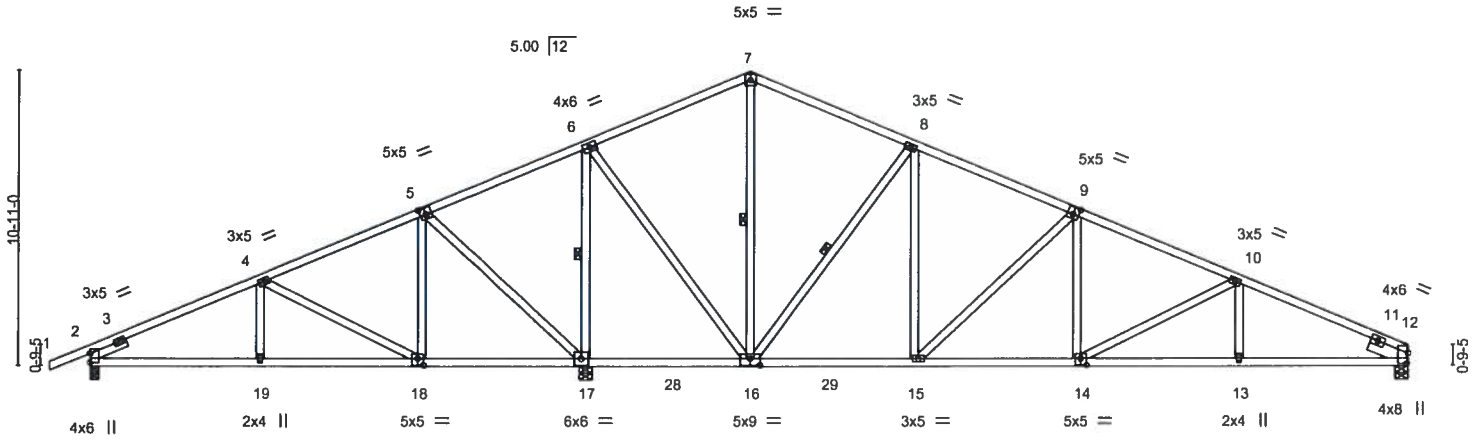
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T11	Common	1	1	T18967088
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:27 2019 Page 1
ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-GzWyy9K33fzs4TmnQFFAgkL_MSf0eJcJ3ffn8Ly72VA

1-6-0	6-3-4	12-3-0	18-2-12	24-4-0	30-5-4	36-5-0	42-4-12	48-8-0
1-6-0	6-3-4	5-11-12	5-11-12	6-1-4	6-1-4	5-11-12	5-11-12	6-3-4

Scale = 1:82.2



6-3-4	12-3-0	18-2-12	24-4-0	30-5-4	36-5-0	42-4-12	48-8-0
6-3-4	5-11-12	5-11-12	6-1-4	6-1-4	5-11-12	5-11-12	6-3-4

Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [9:0-2-8,0-3-0], [12:0-4-8,0-0-8], [14:0-2-8,0-3-0], [16:0-4-8,0-3-0], [18:0-2-8,0-3-0]

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	0.55	Vert(LL)	-0.10	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.20	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 293 lb	FT = 0%

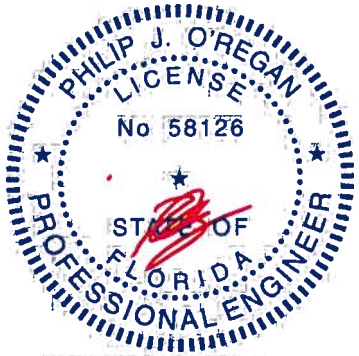
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-16, 8-16, 6-17

REACTIONS. (lb/size) 2=460/0-3-8, 17=2524/0-5-8, 12=1000/0-5-8
Max Horz 2=187(LC 11)
Max Uplift 2=-166(LC 12), 17=-202(LC 12)
Max Grav 2=565(LC 21), 17=2524(LC 1), 12=1019(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-552/466, 4-5=-73/403, 5-6=-220/921, 6-7=-256/138, 8-9=-855/226, 9-10=-1383/302, 10-12=-1791/364
BOT CHORD 2-19=-360/509, 18-19=-360/509, 17-18=-405/50, 16-17=-786/461, 15-16=0/693, 14-15=-100/1199, 13-14=-263/1587, 12-13=-263/1587
WEBS 7-16=-282/87, 8-16=-978/318, 8-15=-98/665, 9-15=-711/242, 9-14=-13/400, 10-14=-429/184, 6-16=-314/1433, 6-17=-1877/566, 5-17=-745/569, 5-18=-347/446, 4-18=-605/436

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left 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 100 lb uplift at joint(s) except (jt=lb) 2=166, 17=202.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



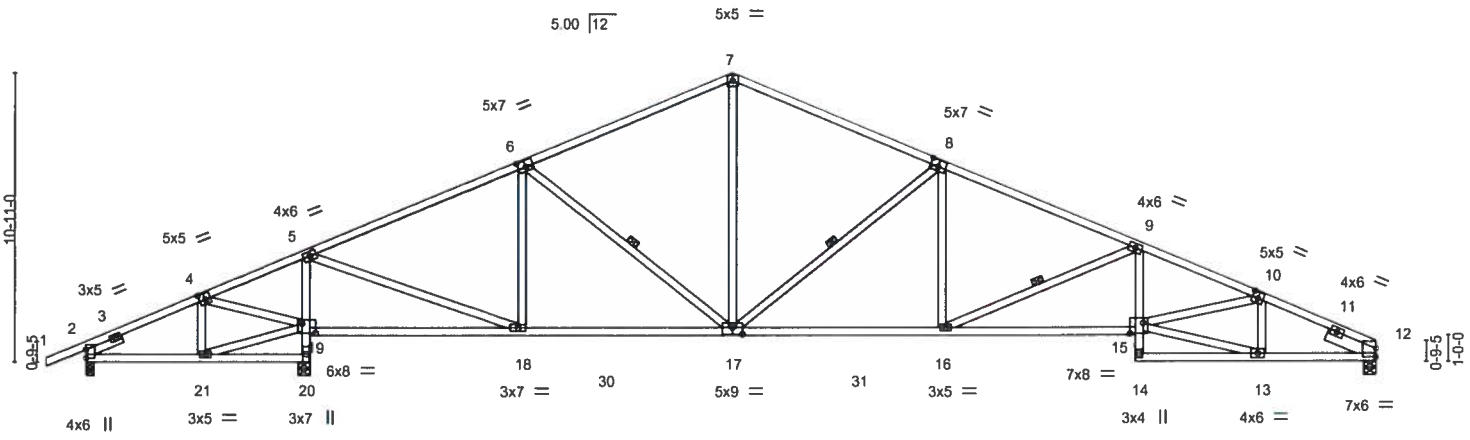
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T12	Roof Special	6	1	T18967089
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:29 2019 Page 1
ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-CLeiNrLKbGDaJnw9YfHem9QGnGGq6G7cXz8uCDy72V8

1-6-0	4-4-8	8-5-8	16-4-12	24-4-0	32-3-4	39-6-8	44-3-8	48-8-0
1-6-0	4-4-8	4-1-0	7-11-4	7-11-4	7-11-4	7-3-4	4-9-0	4-4-8

Scale = 1:83.9



4-4-8	8-2-12	8-5-8	16-4-12	24-4-0	32-3-4	39-6-8	44-3-8	48-8-0
4-4-8	3-10-4	0-2-12	7-11-4	7-11-4	7-11-4	7-3-4	4-9-0	4-4-8

Plate Offsets (X,Y)-- [4:0-2-8,0-3-0], [6:0-3-8,0-3-0], [8:0-3-8,0-3-0], [10:0-2-8,0-3-0], [12:0-0-4,0-3-12], [15:0-6-0,0-4-12], [17:0-4-8,0-3-0], [19:0-6-0,0-4-4]

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	0.81	Vert(LL)	-0.24	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.54	15-16	>900	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.14	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 287 lb	FT = 0%

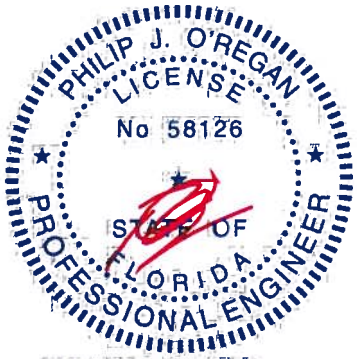
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
12-14: 2x4 SP No.1
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0, Right 2x6 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-17, 8-17, 9-16

REACTIONS. (lb/size) 2=100/0-3-8, 20=2338/0-5-8, 12=1546/0-5-8
Max Horz 2=187(LC 11)
Max Uplift 2=-114(LC 12), 20=-65(LC 12)
Max Grav 2=210(LC 21), 20=2338(LC 1), 12=1546(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-40/433, 4-5=-217/1044, 5-6=-1579/442, 6-7=-1704/546, 7-8=-1703/545, 8-9=-2660/698, 9-10=-3841/930, 10-12=-2824/681
BOT CHORD 2-21=-430/0, 19-20=-2317/645, 5-19=-2136/597, 18-19=-906/274, 17-18=-176/1442, 16-17=-405/2372, 15-16=-755/3586, 9-15=-49/595, 12-13=-562/2524
WEBS 4-21=-108/251, 19-21=-393/11, 4-19=-659/358, 5-18=-469/2362, 6-18=-629/257, 6-17=-99/306, 7-17=-181/839, 8-17=-1200/365, 8-16=-38/670, 9-16=-1312/380, 13-15=-525/2435, 10-15=-172/1009, 10-13=-684/217

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left 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 100 lb uplift at joint(s) 20 except (jt=lb) 2=114.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T13	Roof Special Structural Gable	1	1	T18967090
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:31 2019 Page 1
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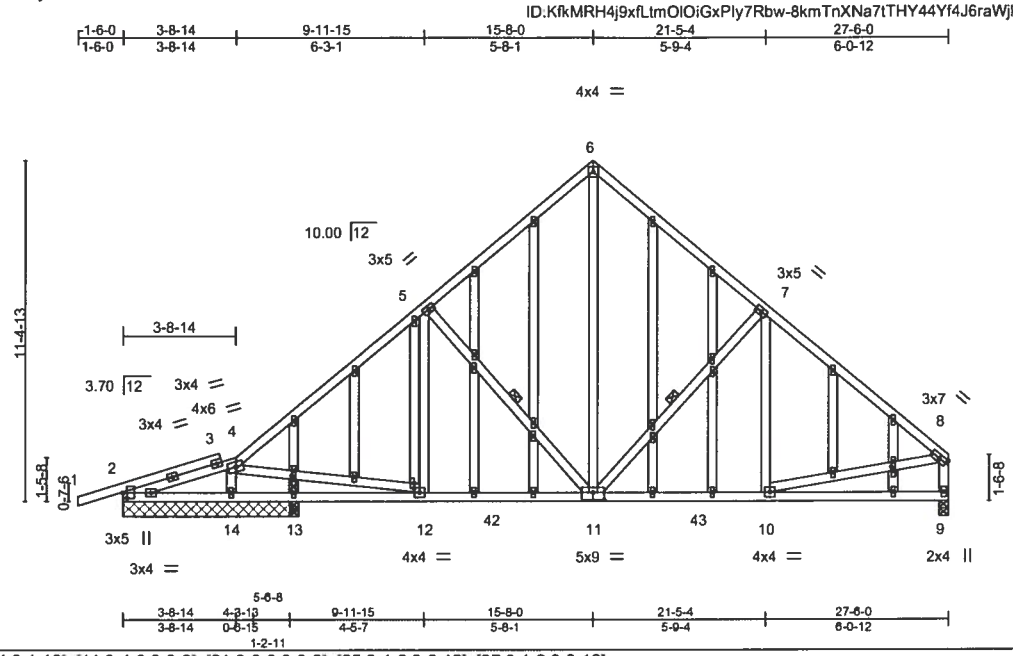


Plate Offsets (X,Y)-- [2:0-2-4,0-1-10], [11:0-4-8,0-3-0], [21:0-2-0,0-0-0], [25:0-1-9,0-0-12], [37:0-1-9,0-0-12]

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	0.33	Vert(LL)	-0.04	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.08	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 254 lb	FT = 0%

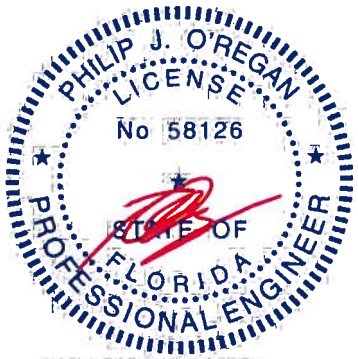
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-11, 7-11

REACTIONS. All bearings 5-10-0 except (jt=length) 9=0-3-8.
(lb) - Max Horz 2=239(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 13, 13, 2 except 14=1052(LC 17), 9=936(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-1022/200, 5-6=-784/286, 6-7=-785/284, 7-8=-1017/203, 8-9=-877/177
BOT CHORD 11-12=-74/807, 10-11=-73/715
WEBS 4-14=-1022/289, 4-12=-69/658, 5-11=-357/190, 6-11=-213/655, 7-11=-365/189, 8-10=-11/636

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 1.5x4 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) 2, 14, 2.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T14	Roof Special	1	1	T18967091
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:32 2019 Page 1
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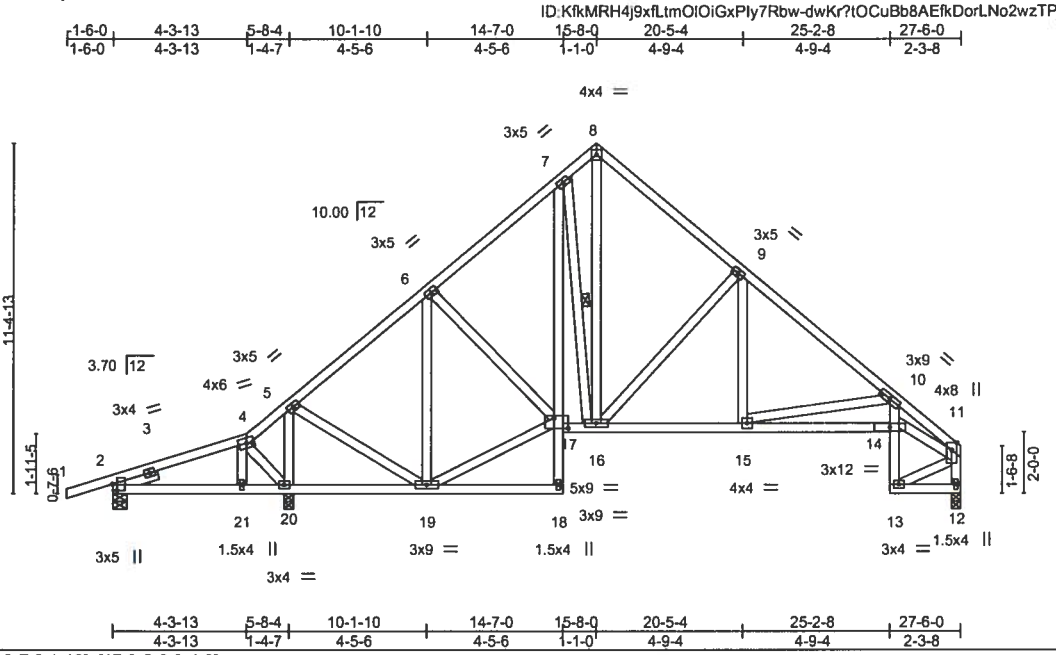


Plate Offsets (X,Y)— [2:0-2-7,0-1-10], [17:0-5-8,0-4-0]

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	0.24	Vert(LL)	-0.06	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.12	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.14	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 214 lb	FT = 0%

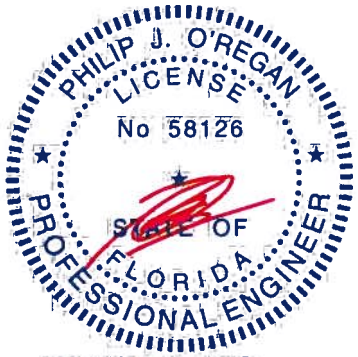
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-16

REACTIONS. (lb/size) 2=170/0-5-8, 12=825/0-3-8, 20=1283/0-3-8
Max Horz 2=238(LC 11)
Max Uplift 2=-58(LC 8), 20=-2(LC 12)
Max Grav 2=219(LC 21), 12=825(LC 1), 20=1283(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-116/312, 4-5=-98/449, 5-6=-580/157, 6-7=-757/231, 7-8=-662/277, 8-9=-716/241, 9-10=-1100/208, 10-11=-2013/340, 11-12=-819/142
BOT CHORD 2-21=-262/75, 20-21=-270/74, 19-20=-349/98, 16-17=0/529, 15-16=-37/783, 14-15=-311/1706, 10-14=-60/632
WEBS 5-20=-1139/258, 5-19=-85/798, 6-19=-517/106, 17-19=-6/464, 7-16=-280/123, 8-16=-238/659, 9-16=-497/191, 9-15=0/325, 10-15=-941/278, 11-14=-255/1530

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 20.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T15	Roof Special Supported Gable	1	1	T18967092
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:34 2019 Page 1
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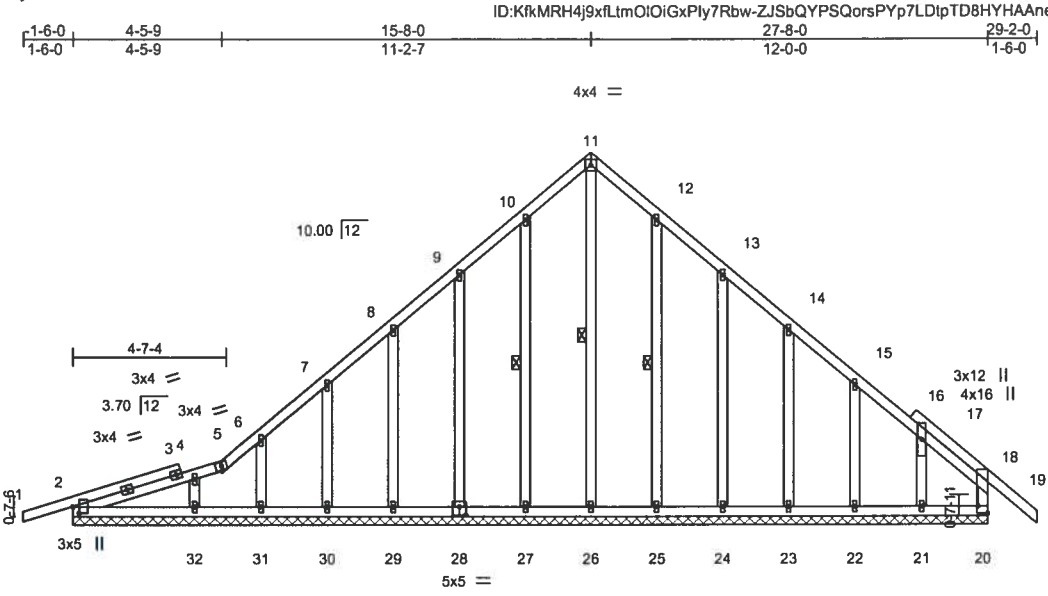


Plate Offsets (X,Y)– [2:0-2-4,0-2-6], [18:0-1-7,0-1-12], [18:Edge,0-3-8], [20:0-0-0,0-1-12], [28:0-2-8,0-3-0]

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	0.17	Vert(LL)	-0.01	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	20	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 208 lb	FT = 0%

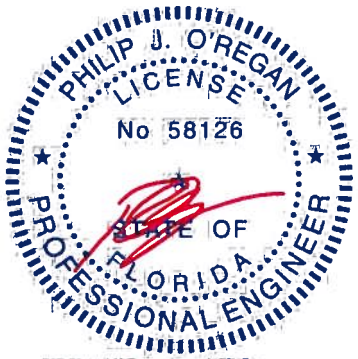
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 11-26, 10-27, 12-25

REACTIONS. All bearings 27-8-0.
(lb) - Max Horz 2=235(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 26, 27, 28, 29, 30, 31, 25, 24, 23, 22, 21
Max Grav All reactions 250 lb or less at joint(s) 2, 20, 27, 28, 29, 30, 31, 32, 25, 24, 23, 22, 21 except 26=264(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-219/253, 10-11=-278/322, 11-12=-278/322, 12-13=-219/253
WEBS 11-26=-342/232

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
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.
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) 2, 20, 26, 27, 28, 29, 30, 31, 25, 24, 23, 22, 21.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T16	Roof Special	1	1	T18967093
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:35 2019 Page 1
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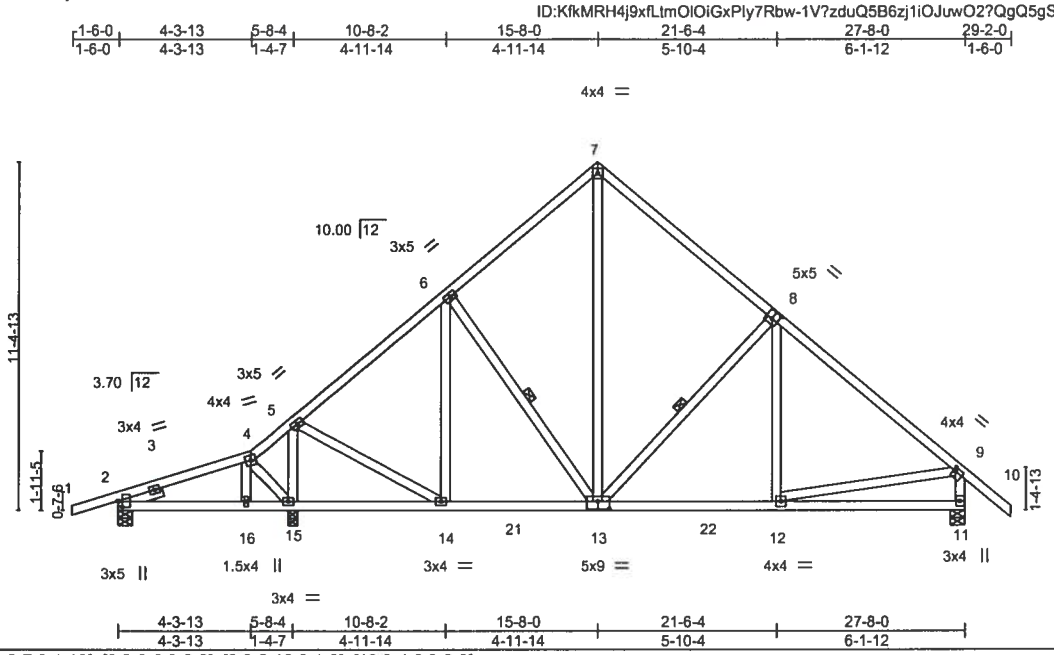


Plate Offsets (X,Y)– [2:0-2-7,0-1-10], [8:0-2-8,0-3-0], [9:0-0-12,0-1-8], [13:0-4-8,0-3-0]

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	0.31	Vert(LL)	-0.03	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.06	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 187 lb	FT = 0%

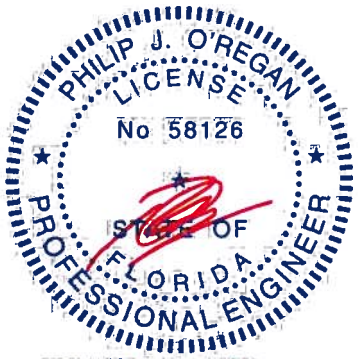
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-13, 8-13

REACTIONS. (lb/size) 2=292/0-5-8, 15=1133/0-3-8, 11=966/0-5-8
Max Horz 2=247(LC 11)
Max Uplift 2=-44(LC 12), 11=-41(LC 12)
Max Grav 2=302(LC 21), 15=1135(LC 17), 11=966(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-741/186, 6-7=-666/276, 7-8=-678/269, 8-9=-938/193, 9-11=-907/240
BOT CHORD 13-14=0/592, 12-13=0/660
WEBS 5-15=-972/204, 5-14=-7/613, 7-13=-201/547, 8-13=-389/193, 9-12=0/574

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 100 lb uplift at joint(s) 2, 11.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T17	Roof Special	5	1	T18967094
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:37 2019 Page 1
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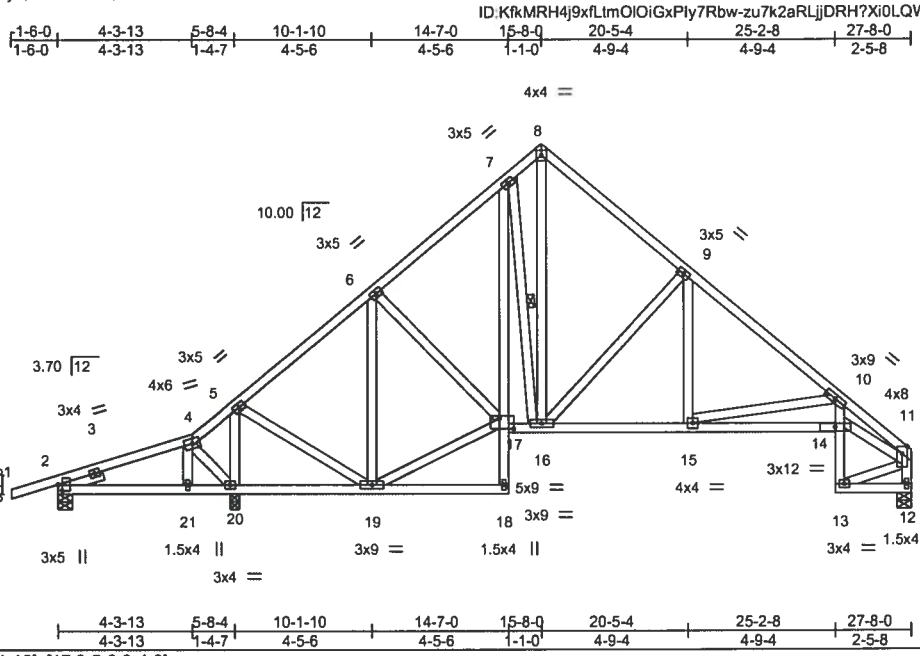


Plate Offsets (X,Y)-- [2:0-2-7,0-1-10], [17:0-5-8,0-4-0]

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	0.24	Vert(LL)	-0.07	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.14	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.15	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 214 lb	FT = 0%

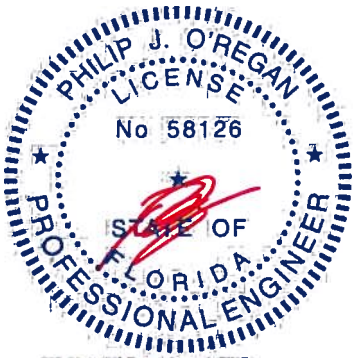
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-16

REACTIONS. (lb/size) 2=150/0-5-8, 12=827/0-5-8, 20=1315/0-3-8
Max Horz 2=237(LC 11)
Max Uplift 2=-60(LC 8), 20=-1(LC 12)
Max Grav 2=206(LC 21), 12=827(LC 1), 20=1315(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-119/357, 4-5=-101/495, 5-6=-568/155, 6-7=-755/230, 7-8=-662/277, 8-9=-716/241, 9-10=-1095/209, 10-11=-2146/352, 11-12=-821/143
BOT CHORD 2-21=-305/82, 20-21=-313/81, 19-20=-385/103, 16-17=0/529, 15-16=-30/795, 14-15=-315/1825, 10-14=-68/726
WEBS 5-20=-1181/262, 5-19=-88/835, 6-19=-532/104, 17-19=-2/455, 7-16=-272/121, 8-16=-237/660, 9-16=-512/192, 9-15=0/341, 10-15=-1049/289, 11-14=-260/1642

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 20.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T18	Attic	3	1	T18967095
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:38 2019 Page 1
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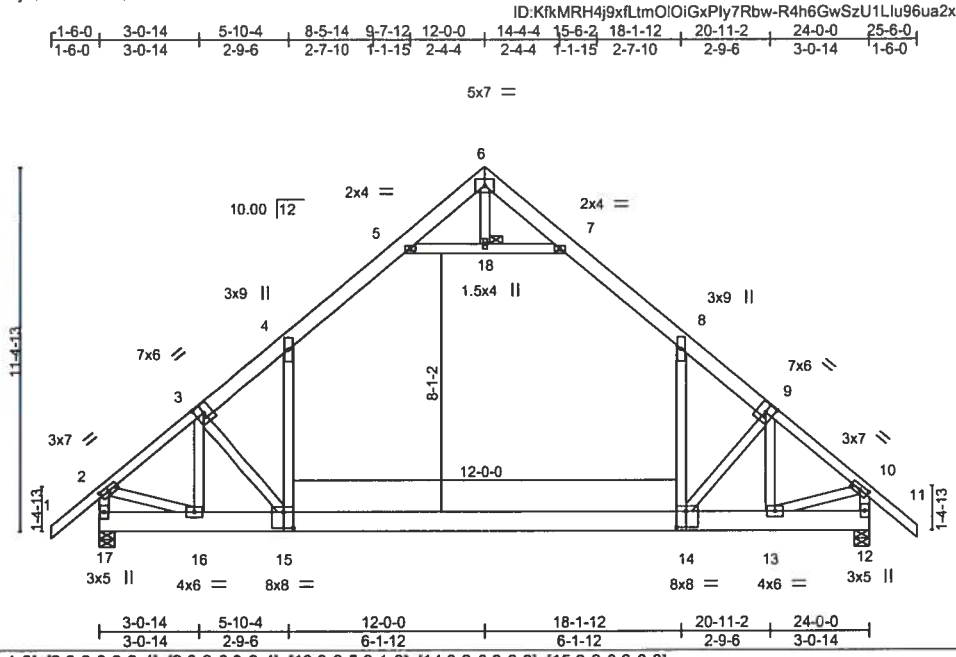


Plate Offsets (X,Y)-- [2:0-3-5,0-1-8], [3:0-3-0,0-3-4], [9:0-3-0,0-3-4], [10:0-3-5,0-1-8], [14:0-3-8,0-6-0], [15:0-3-8,0-6-0]

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	0.70	Vert(LL)	-0.36	14-15	>785	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.57	14-15	>501	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.21	14-15	711	360	Weight: 203 lb	FT = 0%

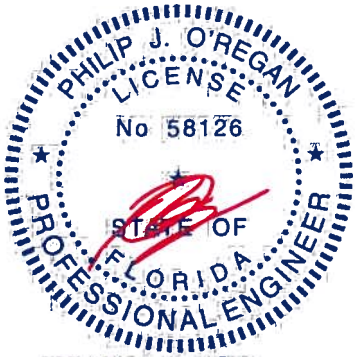
LUMBER-
TOP CHORD 2x6 SP SS *Except*
1-3,9-11: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 18

REACTIONS. (lb/size) 17=1228/0-5-8, 12=1228/0-5-8
Max Horz 17=251(LC 11)
Max Grav 17=1501(LC 18), 12=1501(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1394/47, 3-4=-1822/22, 4-5=-1115/152, 5-6=0/403, 6-7=0/403, 7-8=-1115/152, 8-9=-1822/22, 9-10=-1395/47, 2-17=-1377/120, 10-12=-1376/120
BOT CHORD 15-16=0/1210, 14-15=0/1186, 13-14=0/1063
WEBS 5-18=-1594/177, 7-18=-1594/177, 8-14=0/1075, 9-13=-884/0, 4-15=0/1075, 3-16=-883/0, 2-16=0/1058, 10-13=0/1059

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-18, 7-18; Wall dead load (5.0psf) on member(s).8-14, 4-15
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Attic room checked for L/360 deflection.



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Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T19	Common	8	1	T18967096
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:39 2019 Page 1
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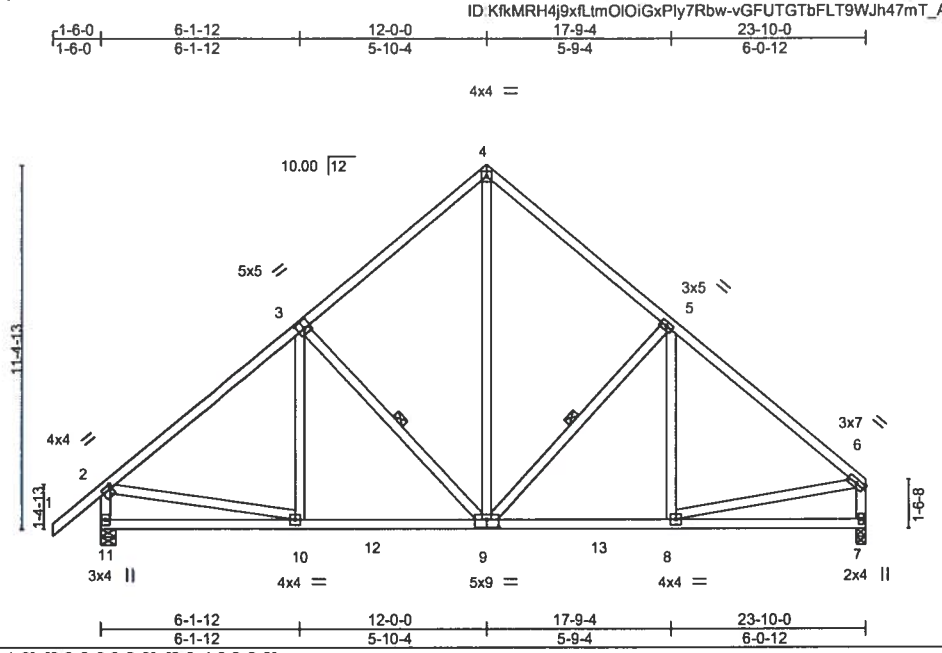

Plate Offsets (X,Y)-- [2:0-0-12,0-1-8], [3:0-2-8,0-3-0], [9:0-4-8,0-3-0]

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	0.32	Vert(LL)	-0.04	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.07	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 163 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-9, 5-9

REACTIONS. (lb/size) 11=1044/0-5-8, 7=938/0-3-8
Max Horz 11=249(LC 11)
Max Uplift 11=-40(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1036/207, 3-4=-786/284, 4-5=-786/285, 5-6=-1019/203, 2-11=-984/254, 6-7=-879/180
BOT CHORD 10-11=-179/309, 9-10=-82/826, 8-9=-76/719
WEBS 3-9=-373/190, 4-9=-207/656, 5-9=-363/188, 2-10=0/646, 6-8=-13/640

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 100 lb uplift at joint(s) 11.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T19A	Roof Special	2	1	T18967097
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:40 2019 Page 1
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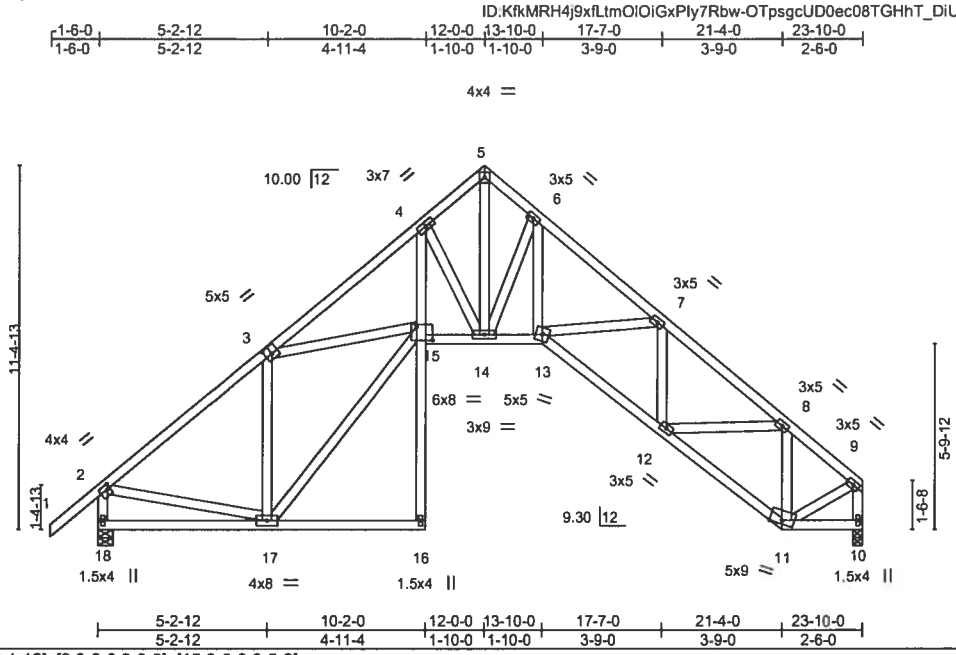


Plate Offsets (X,Y)-- [2:0-1-0,0-1-12], [3:0-2-8,0-3-0], [15:0-6-0,0-5-0]

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	0.24	Vert(LL)	-0.11	15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.23	15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.30	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 186 lb	FT = 0%

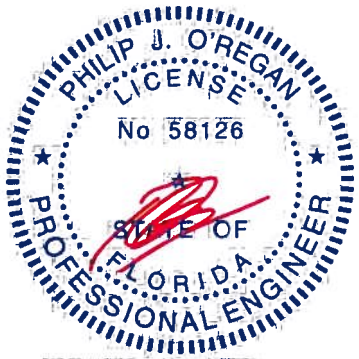
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 18=1044/0-5-8, 10=938/0-3-8
Max Horz 18=249(LC 11)
Max Uplift 18=-40(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1024/201, 3-4=-2231/263, 4-5=-1401/266, 5-6=-1405/271, 6-7=-1953/259, 7-8=-1699/292, 8-9=-848/164, 2-18=-991/249, 9-10=-912/158
BOT CHORD 17-18=-195/285, 4-15=-61/1399, 14-15=0/1710, 13-14=0/1399, 12-13=-159/1587, 11-12=-140/776
WEBS 3-17=-991/184, 15-17=-151/1227, 4-14=-1214/178, 5-14=-311/1613, 6-14=-824/177, 6-13=-75/937, 7-13=-60/258, 7-12=-441/59, 8-12=-14/662, 8-11=-748/169, 2-17=-5/645, 9-11=-105/689, 3-15=0/969

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T20	Attic	3	1	T18967098
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:42 2019 Page 1

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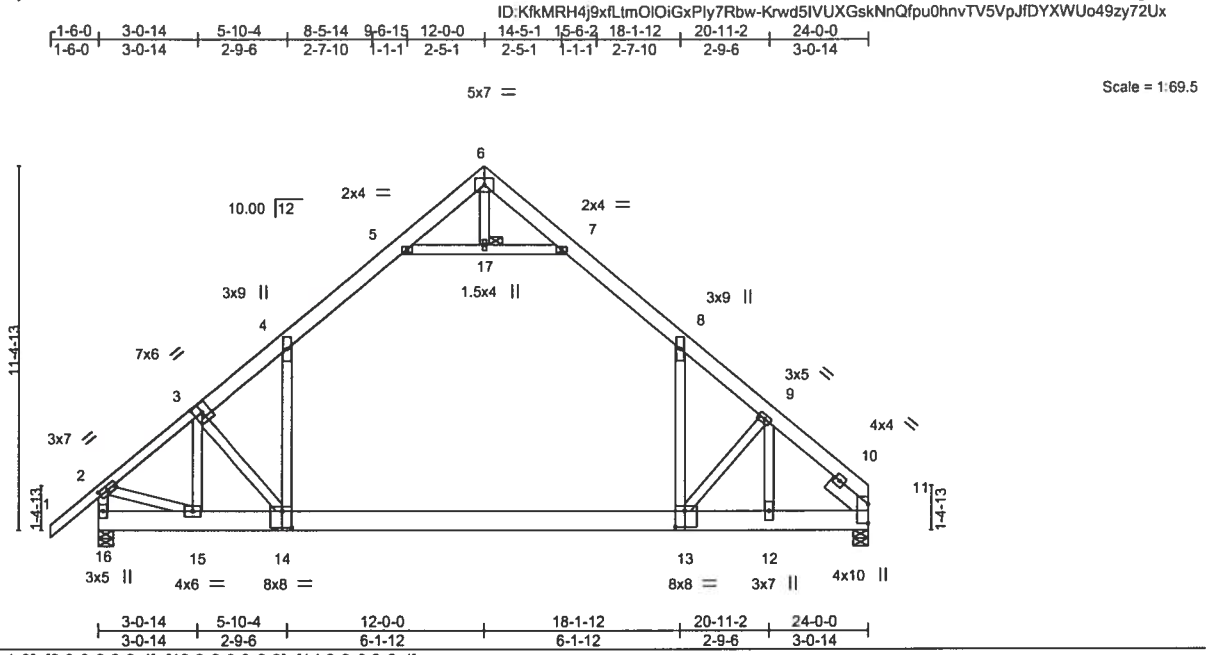


Plate Offsets (X,Y)-- [2:0-3-5,0-1-8], [3:0-3-0,0-3-4], [13:0-3-8,0-6-0], [14:0-3-8,0-6-4]

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	0.71	Vert(LL)	-0.36	13-14	>796	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.56	13-14	>507	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.21	13-14	718	360	Weight: 202 lb	FT = 0%

LUMBER-

TOP CHORD	2x6 SP SS *Except*
	1-3: 2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
JOINTS	1 Brace at Jt(s): 17

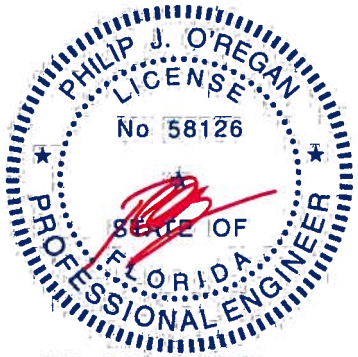
REACTIONS. (lb/size) 11=1131/0-5-8, 16=1239/0-5-8
Max Horz 16=-228(LC 10)
Max Grav 11=1410(LC 19), 16=1512(LC 18)

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

TOP CHORD	2-3=-1403/49, 3-4=-1850/27, 4-5=-1135/153, 5-6=0/388, 6-7=0/391, 7-8=-1130/153, 8-9=-1918/24, 9-11=-1509/50, 2-16=-1384/120
BOT CHORD	14-15=0/1200, 13-14=0/1192, 12-13=0/1126, 11-12=0/1126
WEBS	5-17=-1601/179, 7-17=-1601/179, 8-13=0/1174, 9-12=-812/0, 4-14=0/1082, 3-14=-150/275, 3-15=-914/0, 2-15=0/1063

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).8-13, 4-14
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Attic room checked for L/360 deflection.



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6904 Parke East Blvd, Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T21	Attic	2	2	T18967099
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:43 2019 Page 1

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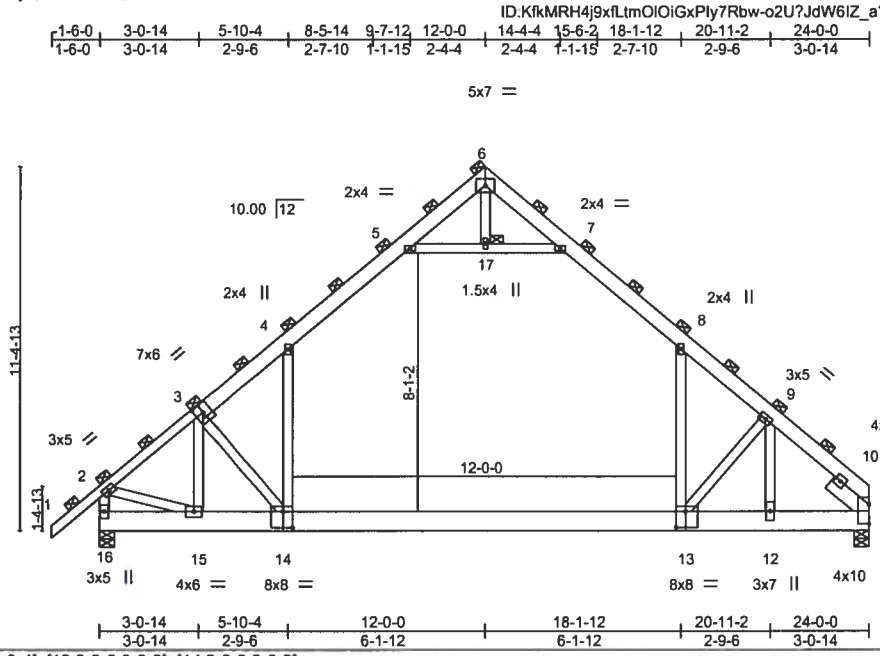


Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [13:0-3-8,0-6-0], [14:0-3-8,0-6-0]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.28	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.45	13-14	>640	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.16	13-14	932	360	Weight: 404 lb	FT = 0%

LUMBER-

TOP CHORD	2x6 SP SS *Except*
	1-3: 2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 6, 17, 2

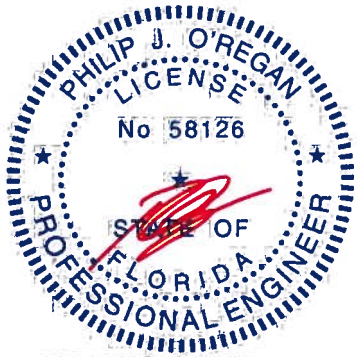
REACTIONS. (lb/size) 11=1696/0-5-8, 16=1858/0-5-8
Max Horz 16=-343(LC 10)
Max Grav 11=2116(LC 19), 16=2269(LC 18)

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

TOP CHORD	2-3=-2107/73, 3-4=-2767/40, 4-5=-1693/231, 5-6=0/567, 6-7=0/572, 7-8=-1686/231, 8-9=-2862/37, 9-11=-2264/74, 2-16=-2087/177
BOT CHORD	15-16=-277/328, 14-15=0/1802, 13-14=0/1777, 12-13=0/1673, 11-12=0/1673
WEBS	5-17=-2379/278, 7-17=-2379/278, 8-13=0/1751, 9-13=-299/272, 9-12=-1195/0, 4-14=0/1623, 3-14=-235/390, 3-15=-1355/0, 2-15=0/1625

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).8-13, 4-14
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
December 20,2019

Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T22	ATTIC	1	2	T18967100
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:44 2019 Page 1

ID:KfkMRH4j9xfLtmOlOiGxPly7Rbw-GE2NWzXk3t6Rc4a2wJ29tKYpeIUw78GpzoHBDsy72Uv

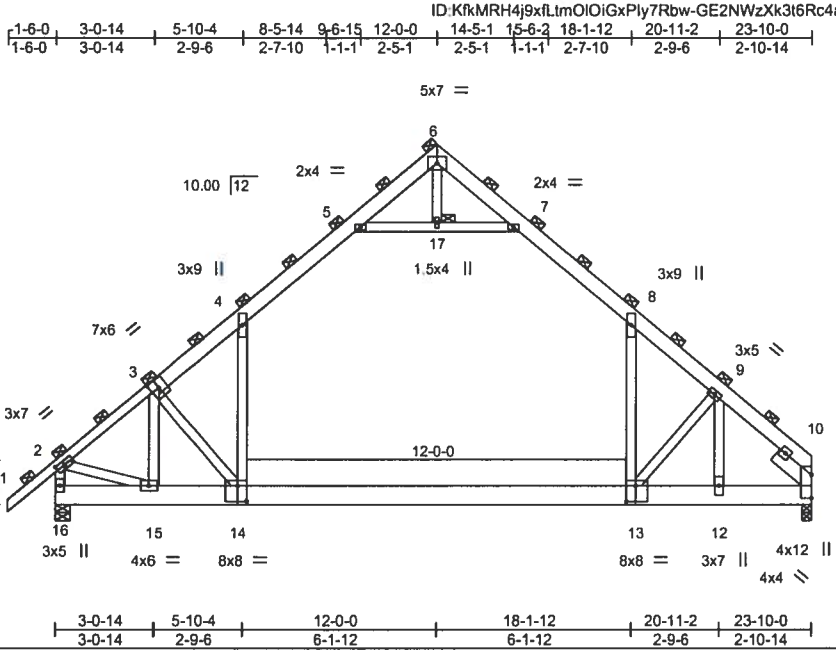


Plate Offsets (X,Y)-- [2:0-3-5,0-1-8], [3:0-3-0,0-3-4], [13:0-3-8,0-6-0], [14:0-3-8,0-6-0]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.37	13-14	>773	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.58	13-14	>492	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.32	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.21	13-14	709	360	Weight: 403 lb	FT = 0%

LUMBER-

TOP CHORD	2x6 SP SS *Except*
	1-3: 2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.2
SLIDER	Right 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 6, 17, 2

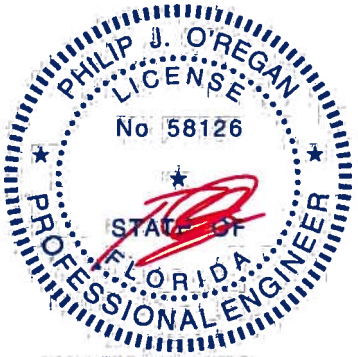
REACTIONS. (lb/size) 11=2251/0-3-8, 16=2461/0-5-8
Max Horz 16=-454(LC 10)
Max Grav 11=2815(LC 19), 16=3005(LC 18)

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

TOP CHORD	2-3=-2792/97, 3-4=-3649/52, 4-5=-2237/306, 5-6=0/708, 6-7=0/708, 7-8=-2236/306, 8-9=-3735/48, 9-11=-2872/92, 2-16=-2767/235
BOT CHORD	15-16=-366/435, 14-15=0/2386, 13-14=0/2347, 12-13=0/2054, 11-12=0/2054
WEBS	3-15=-1771/0, 3-14=-319/509, 4-14=0/2137, 5-17=-3075/362, 7-17=-3075/362, 8-13=0/2245, 9-13=-278/584, 9-12=-1693/0, 2-15=0/2151

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).4-14, 8-13
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Attic room checked for L/360 deflection.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
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Job	Truss	Truss Type	Qty	Ply	Cushman
Cushman	T23	Attic	1	1	T18967101
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Fri Dec 20 14:10:46 2019 Page 1
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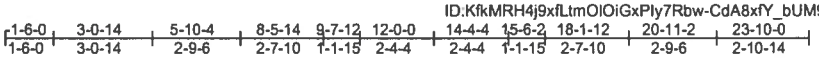

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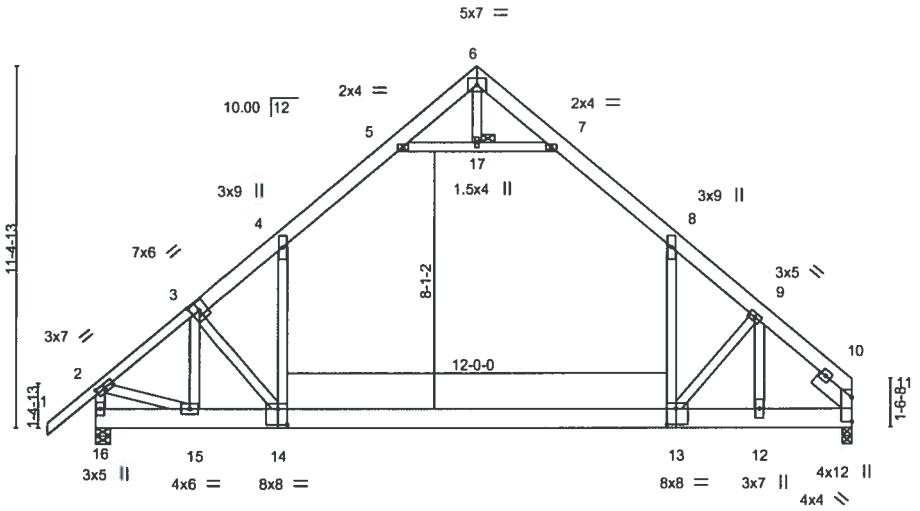


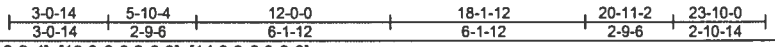


Plate Offsets (X,Y)-- [2:0-3-5,0-1-8], [3:0-3-0,0-3-4], [13:0-3-8,0-6-0], [14:0-3-8,0-6-0]

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	0.70	Vert(LL)	-0.36	13-14	>785	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.57	13-14	>501	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.21	13-14	714	360	Weight: 201 lb	FT = 0%

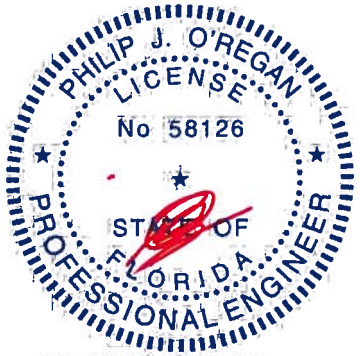
LUMBER-
TOP CHORD 2x6 SP SS *Except*
1-3: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2
SLIDER Right 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 17

REACTIONS. (lb/size) 11=1125/0-3-8, 16=1231/0-5-8
Max Horz 16=-227(LC 10)
Max Grav 11=1407(LC 19), 16=1503(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1395/48, 3-4=-1826/26, 4-5=-1118/153, 5-6=0/403, 6-7=0/404, 7-8=-1117/154, 8-9=-1876/24, 9-11=-1438/47, 2-16=-1378/120
BOT CHORD 14-15=0/1193, 13-14=0/1172, 12-13=0/1047, 11-12=0/1047
WEBS 3-15=-888/0, 3-14=-161/252, 4-14=0/1074, 5-17=-1600/182, 7-17=-1600/182, 8-13=0/1138, 9-13=-155/258, 9-12=-855/0, 2-15=0/1059

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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.
5) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).4-14, 8-13
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Attic room checked for L/360 deflection.



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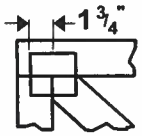
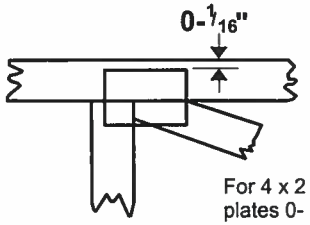
Tampa, FL 36610

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

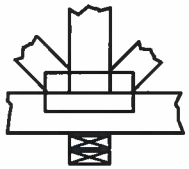
4 x 4

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

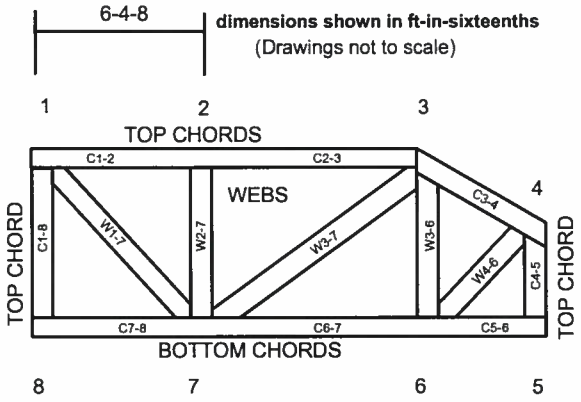


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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 Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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.

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

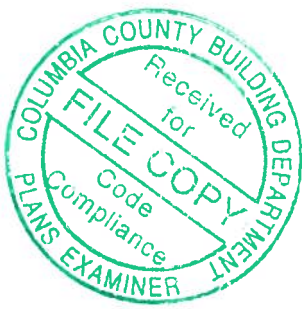
Florida Department of Business and Professional Regulation
Simulated Performance Alternative (Performance) Method

Applications for compliance with the 2017 Florida Building Code, Energy Conservation via the residential Simulated Performance Method shall include:

- ☐ *This checklist*
- ☐ *A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).*
- ☐ *Energy Performance Level (EPL) Display Card (one page)*
- ☐ *HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7*
- ☐ *Mandatory Requirements (five pages)*

Required prior to CO for the Performance Method:

- ☐ *Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- ☐ *A completed Envelope Leakage Test Report (usually one page)*
- ☐ *If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*



FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Cushman Residence	Builder Name:	
Street:	986 SW Hill Creek Dr	Permit Office:	Columbia
City, State, Zip:	Lake City , FL ,	Permit Number:	
Owner:		Jurisdiction:	221000
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	3
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	2638
Conditioned floor area below grade (ft²)	0

7. Windows (324.2 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.40	324.20 ft²
SHGC:	SHGC=0.25	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		12.851 ft.
Area Weighted Average SHGC:		0.250

8. Floor Types (2638.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2638.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (2641.3 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=21.0	2192.10 ft²
b. Frame - Wood, Adjacent	R=13.0	449.20 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (2713.0 sqft.)	Insulation	Area
a. Roof Deck (Unvented)	R=21.0	2638.00 ft²
b. Knee Wall (Unvented)	R=19.0	75.00 ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6	342.94

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	42.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	42.0	HSPF:8.20

14. Hot water systems
a. Propane Tankless — Cap: 1 gallons, EF: 0.750
b. Conservation features
None

15. Credits — Pstat

Glass/Floor Area: 0.123

Total Proposed Modified Loads: 67.24
Total Baseline Loads: 67.62

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Ryan B. Ellis
DATE: 12/18/19

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT:
DATE: 12-23-19

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL:
DATE:

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Cushman Residence	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2638	Lot #	
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	986 SW Hill Creek Dr
Permit Office:	Columbia	Cross Ventilation:		County:	Columbia
Jurisdiction:	221000	Whole House Fan:		City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	2638	25061

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2638	25061	Yes	4	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulation	Main	283.9 ft	0	2638 ft²	----	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	3171 ft²	880 ft²	Medium	N	0.6	No	0.3	No	21	33.7

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Unvented	0	2638 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Unvented)	Main	0	Blown	2638 ft²	0.11	Wood
_____	2	Knee Wall (Unvented)	Main	19	Blown	75 ft²	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	N	Exterior	Frame - Wood	Main	21	28.7		9		258.3 ft²		0.05	0.170000	0
____	2	N	Exterior	Frame - Wood	Main	21	14		10		140.0 ft²		0.05	0.170000	0
____	3	N	Exterior	Frame - Wood	Main	21	7.1		10		71.0 ft²		0.05	0.170000	0
____	4	W	Garage	Frame - Wood	Main	13	13.5		9		121.5 ft²		0.05	0.170000	0
____	5	N	Garage	Frame - Wood	Main	13	3.5		10		35.0 ft²		0.05	0.170000	0
____	6	W	Garage	Frame - Wood	Main	13	8.3		10		83.0 ft²		0.05	0.170000	0
____	7	N	Garage	Frame - Wood	Main	13	23.3		9		209.7 ft²		0.05	0.170000	0
____	8	W	Exterior	Frame - Wood	Main	21	39.5		9		355.5 ft²		0.05	0.170000	0
____	9	S	Exterior	Frame - Wood	Main	21	27.7		9		249.3 ft²		0.05	0.170000	0
____	10	E	Exterior	Frame - Wood	Main	21	12.3		9		110.7 ft²		0.05	0.170000	0
____	11	S	Exterior	Frame - Wood	Main	21	11.8		10		118.0 ft²		0.05	0.170000	0
____	12	E	Exterior	Frame - Wood	Main	21	14		10		140.0 ft²		0.05	0.170000	0
____	13	S	Exterior	Frame - Wood	Main	21	23.5		10		235.0 ft²		0.05	0.170000	0
____	14	S	Exterior	Frame - Wood	Main	21	14		9		126.0 ft²		0.05	0.170000	0
____	15	E	Exterior	Frame - Wood	Main	21	38.7		9		348.3 ft²		0.05	0.170000	0
____	16	W	Exterior	Frame - Wood	Main	21	4		10		40.0 ft²		0.05	0.170000	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	N	Wood	Main	None	.46	3		6.7		20.1 ft²
_____	2	N	Wood	Main	None	.46	3		6.7		20.1 ft²
_____	3	N	Wood	Main	None	.46	3		6.7		20.1 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	1	Vinyl	Low-E Double	Yes	0.4	0.25	N	36.0 ft²	1.5 ft 0 in	1 ft 0 in	None	None
_____	2	N	2	Vinyl	Low-E Double	Yes	0.4	0.25	N	36.0 ft²	7.3 ft 0 in	1 ft 0 in	None	None
_____	3	N	3	Vinyl	Low-E Double	Yes	0.4	0.25	N	12.0 ft²	13.3 ft 0 i	1 ft 0 in	None	None
_____	4	W	8	Vinyl	Low-E Double	Yes	0.4	0.25	N	6.0 ft²	1.5 ft 0 in	1 ft 0 in	None	None
_____	5	W	8	Vinyl	Low-E Double	Yes	0.4	0.25	N	6.0 ft²	1.5 ft 0 in	3 ft 0 in	None	None
_____	6	S	9	Vinyl	Low-E Double	Yes	0.4	0.25	N	8.0 ft²	1.5 ft 0 in	6.6 ft 0 in	None	None
_____	7	S	9	Vinyl	Low-E Double	Yes	0.4	0.25	N	24.0 ft²	1.5 ft 0 in	9.2 ft 0 in	None	None
_____	8	E	10	Vinyl	Low-E Double	Yes	0.4	0.25	N	18.0 ft²	49.3 ft 0 i	1 ft 0 in	None	None
_____	9	S	11	Vinyl	Low-E Double	Yes	0.4	0.25	N	36.0 ft²	8 ft 0 in	1 ft 0 in	None	None
_____	10	E	12	Vinyl	Low-E Double	Yes	0.4	0.25	N	24.0 ft²	23.5 ft 0 i	1 ft 0 in	None	None
_____	11	S	13	Vinyl	Low-E Double	Yes	0.4	0.25	N	48.0 ft²	18 ft 0 in	1 ft 0 in	None	None
_____	12	S	13	Vinyl	Low-E Double	Yes	0.4	0.25	N	40.2 ft²	18 ft 0 in	3 ft 0 in	None	None
_____	13	S	13	Vinyl	Low-E Double	Yes	0.4	0.25	N	6.0 ft²	18 ft 0 in	1 ft 0 in	None	None
_____	14	S	14	Vinyl	Low-E Double	Yes	0.4	0.25	N	18.0 ft²	10 ft 0 in	1 ft 0 in	None	None
_____	15	E	15	Vinyl	Low-E Double	Yes	0.4	0.25	N	6.0 ft²	1.5 ft 0 in	1 ft 0 in	None	None

FORM R405-2017 **INPUT SUMMARY CHECKLIST REPORT**

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	689 ft²	689 ft²	67.4 ft	8.5 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000302	2088.4	114.65	215.62	.1216	5

HEATING SYSTEM

√	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	Single	HSPF:8.2	42 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	Single	SEER: 14	42 kBtu/hr	1260 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Propane	Tankless	Exterior	0.75	1 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	342.94 f	Attic	131.9 ft²	Default Leakage	Garage	(Default) c	(Default) c			1	1

FORM R405-2017 **INPUT SUMMARY CHECKLIST REPORT**

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	1st Floor
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	2nd Floor

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 99

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1.	New (From Plans)
2. Single-family or multiple-family	2.	Single-family
3. No. of units (if multiple-family)	3.	1
4. Number of bedrooms	4.	3
5. Is this a worst case? (yes/no)	5.	No
6. Conditioned floor area (sq. ft.)	6.	2638
7. Windows, type and area		
a) U-factor:(weighted average)	7a.	0.400
b) Solar Heat Gain Coefficient (SHGC)	7b.	0.250
c) Area	7c.	324.2
8. Skylights		
a) U-factor:(weighted average)	8a.	NA
b) Solar Heat Gain Coefficient (SHGC)	8b.	NA
9. Floor type, insulation level:		
a) Slab-on-grade (R-value)	9a.	0.0
b) Wood, raised (R-value)	9b.	
c) Concrete, raised (R-value)	9c.	
10. Wall type and insulation:		
A. Exterior:		
1. Wood frame (Insulation R-value)	10A1.	21.0
2. Masonry (Insulation R-value)	10A2.	
B. Adjacent:		
1. Wood frame (Insulation R-value)	10B1.	13.0
2. Masonry (Insulation R-value)	10B2.	
11. Ceiling type and insulation level		
a) Under attic	11a.	0.0
b) Single assembly	11b.	
c) Knee walls/skylight walls	11c.	19.0
d) Radiant barrier installed	11d.	No

12. Ducts, location & insulation level		
a) Supply ducts	R	6.0
b) Return ducts	R	6.0
c) AHU location		Garage
13. Cooling system:	Capacity	42.0
a) Split system	SEER	
b) Single package	SEER	
c) Ground/water source	SEER/COP	
d) Room unit/PTAC	EER	
e) Other		14.0
14. Heating system:	Capacity	42.0
a) Split system heat pump	HSPF	
b) Single package heat pump	HSPF	
c) Electric resistance	COP	
d) Gas furnace, natural gas	AFUE	
e) Gas furnace, LPG	AFUE	
f) Other		8.20
15. Water heating system		
a) Electric resistance	EF	
b) Gas fired, natural gas	EF	
c) Gas fired, LPG	EF	0.75
d) Solar system with tank	EF	
e) Dedicated heat pump with tank	EF	
f) Heat recovery unit	HeatRec%	
g) Other		
16. HVAC credits claimed (Performance Method)		
a) Ceiling fans		
b) Cross ventilation		No
c) Whole house fan		No
d) Multizone cooling credit		
e) Multizone heating credit		
f) Programmable thermostat		Yes

*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature: _____ Date: 12-23-2019

Address of New Home: 986 SW Hill Creek Dr City/FL Zip: Lake City, FL

Florida Building Code, Energy Conservation, 6th Edition (2017)
Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS:	986 SW Hill Creek Dr Lake City , FL ,	Permit Number:

MANDATORY REQUIREMENTS See individual code sections for full details.

√

SECTION R401 GENERAL

☐ **R401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.4.1 through R402.4.5.

Exception: Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402.5.

☐ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

☐ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

☐ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

Exception: Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

☐ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air. Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace. Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907.

☐ **R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m2), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m2), when tested according to NFRC 400 or AAMA/WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

Exception: Site-built windows, skylights and doors.

MANDATORY REQUIREMENTS - (Continued)

☐ **R402.4.4 Rooms containing fuel-burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8.

Exceptions:

1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside.
2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential.

☐ **R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

SECTION R403 SYSTEMS

R403.1 Controls.

☐ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.

☐ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

☐ **R403.3.2 Sealing (Mandatory)** All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below.

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.

☐ **R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193.

☐ **R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacture handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct testing is not mandatory for buildings complying by Section 405 of this code.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

☐ **R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

☐ **R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.

☐ **R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

☐ **R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory).** Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible.

☐ **R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.

☐ **R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

R403.5.6 Water heater efficiencies (Mandatory).

☐ **R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).

☐ **R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off.

☐ **R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1.

☐ **R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria:

1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
2. Be installed at an orientation within 45 degrees of true south.

☐ **R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

☐ **R403.6.1 Whole-house mechanical ventilation system fan efficacy.** When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1.

Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

☐ **R403.6.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:

1. The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
2. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas.
3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

R403.7 Heating and cooling equipment (Mandatory).

☐ **R403.7.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

TABLE R403.6.1
WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY [a] (CFM/WATT)	AIRFLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min. a. When tested in accordance with HVI Standard 916

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.7.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature.

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice.

R403.7.1.2 Heating equipment capacity.

☐ **R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load.

☐ **R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.7.1.

☐ **R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.7.1.

☐ **R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

☐ **R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the IECC—Commercial Provisions in lieu of Section R403.

☐ **R403.9 Snow melt and ice system controls (Mandatory)** Snow- and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C).

☐ **R403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403.10.1 through R403.10.5.

☐ **R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots.

☐ **R403.10.2 Time switches.** Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section.

Exceptions:

1. Where public health standards require 24-hour pump operation.
2. Pumps that operate solar- and waste-heat-recovery pool heating systems.
3. Where pumps are powered exclusively from on-site renewable generation.

☐ **R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

Exception: Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required.

☐ **R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

☐ **R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

☐ **R403.11 Portable spas (Mandatory).** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.

SECTION R404

ELECTRICAL POWER AND LIGHTING SYSTEMS

☐ **R404.1 Lighting equipment (Mandatory).** Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

Exception: Low-voltage lighting.

R404.1.1 Lighting equipment (Mandatory). Fuel gas lighting systems shall not have continuously burning pilot lights.

2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

				CHECK
Project Name:	Cushman Residence	Builder Name:		
Street:	986 SW Hill Creek Dr	Permit Office:	Columbia	
City, State, Zip:	Lake City , FL ,	Permit Number:		
Owner:		Jurisdiction:	221000	
Design Location:	FL, Gainesville			

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance
2017 Florida Building Code, Energy Conservation, 6th Edition

Jurisdiction: 221000	Permit #:

Job Information

Builder:	Community:	Lot: NA
Address: 986 SW Hill Creek Dr		
City: Lake City	State: FL	Zip:

Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

○ **PRESCRIPTIVE METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

○ **PERFORMANCE or ERI METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2017 (Performance) or R406-2017 (ERI), section labeled as infiltration, sub-section ACH50.

ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 5.000

_____ x 60 ÷ 25061 = _____
CFM(50) Building Volume ACH(50)

☐ **PASS**

☐ When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.

Method for calculating building volume:
○ Retrieved from architectural plans
● Code software calculated
○ Field measured and calculated

R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statues*.or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the*code official.* Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope.*

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

Testing Company

Company Name: _____ Phone: _____

I hereby verify that the above Air Leakage results are in accordance with the 2017 6th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

wrightsoft **Project Summary**
Entire House

Job:
Date: 12/16/19
By: M. Ellis

Energy Design Systems, Inc., 11727 Brady Rd, Jacksonville, FL 32223 Phone: 904-268-3670 Fax: 904-268-3670 Email: eds.jax@gmail.com

Project Information

For: Cushman Residence
986 SW Hill Creek Dr, Lake City, FL

Notes:

Design Information

Weather: Gainesville Rgnl, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	68	°F
Design TD	35	°F

Summer Design Conditions

Outside db	93	°F
Inside db	75	°F
Design TD	18	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	46	gr/lb

Heating Summary

Structure	34900	Btuh
Ducts	0	Btuh
Central vent (0 cfm) (none)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	34900	Btuh

Sensible Cooling Equipment Load Sizing

Structure	28559	Btuh
Ducts	0	Btuh
Central vent (0 cfm) (none)	0	Btuh
Blower	5120	Btuh
Use manufacturer's data	y	
Rate/swing multiplier	1.00	
Equipment sensible load	33678	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2638	2638
Volume (ft³)	25061	25061
Air changes/hour	0.37	0.16
Equiv. AVF (cfm)	154	67

Latent Cooling Equipment Load Sizing

Structure	3068	Btuh
Ducts	0	Btuh
Central vent (0 cfm) (none)	0	Btuh
Equipment latent load	3068	Btuh
Equipment total load	36746	Btuh
Req. total capacity at 0.80 SHR	3.5	ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a

Efficiency	n/a	
Heating input	0	Btuh
Heating output	0	Btuh
Temperature rise	0	°F
Actual air flow	0	cfm
Air flow factor	0	cfm/Btuh
Static pressure	0	in H2O
Space thermostat		

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a

Efficiency	n/a	
Sensible cooling	0	Btuh
Latent cooling	0	Btuh
Total cooling	0	Btuh
Actual air flow	1306	cfm
Air flow factor	0.046	cfm/Btuh
Static pressure	0	in H2O
Load sensible heat ratio	0.92	

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