DATE 10/25/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000023769

APPLICANT LINDA NEWMAN PHONE 352 332-7206

ADDRESS 527 NW 34TH TERR GAINESVILLE FL 32607

OWNER DALE ADAMS PHONE

ADDRESS 358 SW LONCALA LOOP FT. WHITE FL 32038

CONTRACTOR LINDA NEWMAN PHONE 352 336-8587

LOCATION OF PROPERTY 47S, TR ON CR 238, TR ON OLD BELLAMY RD, TR ON LONCALA LOOP, 4TH ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 63000.00

HEATED FLOOR AREA 1260.00 TOTAL AREA 1260.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 22

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

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

PARCEL ID 02-6S-15-00502-121 SUBDIVISION ICHETUCKNEE FOREST

LOT 21 BLOCK A PHASE UNIT TOTAL ACRES

		CGC057877		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
PRIVATE	05-0918-N	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,

Check # or Cash 659

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

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

Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

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

Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by

M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 315.00 CERTIFICATION FEE $ 6.30 SURCHARGE FEE $ 6.30

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ .00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 402.60

INSPECTORS OFFICE CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

23769

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 02-6S-15-00502-121

1. Description of property: (legal description of the property and street address or 911 address)
   Lot 21 Block A Ichetucknee Forest
   Phase 2 ORB 663-137 WD1007-290

   AKA 358 SW Loncala Loop
   Ft. White, Florida 32038
2. General description of improvement:
3. Owner Name & Address Dale S Adams 1424 SW 31st Court
   Ft. Lauderdale, Florida 33315 Interest in Property Owner
4. Name & Address of Fee Simple Owner (if other than owner):
5. Contractor Name LNCC Inc Phone Number 352-336-8587
   Address 527 NW 34th Terrace Gainesville, Florida 32607
6. Surety Holders Name
   Address
   Amount of Bond
   Inst:2005026833 Date:10/27/2005 Time:11:30
   MK DC,P.DeWitt Cason,Columbia County B:1063 P:694
7. Lender Name None
   Address
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
   Name Jack L Craven Phone Number 954-524-8796
   Address 1424 SW 31st Court Ft. Lauderdale, Florida 33315
9. In addition to himself/herself the owner designates Jack L Craven of Ft. Lauderdale, Florida to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee 954-524-8796
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Dale S Adams
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 22 Aug, 2005

NOTARY STAMP/SEAL

Joe Ann Edwards
Commission #DD244659
Expires: Aug 25, 2007
Bonded Thru
Atlantic Bonding Co., Inc.

Joe A Edwards
Signature of Notary

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Marcel Keen Deputy Clerk
Date Oct 27, 2005

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

CC# 659 402.00 left message 9/7/05

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0508-75 Date Received 8-18-05 By LH Permit # 23769
Application Approved by - Zoning Official BLK Date 01.09.05 Plans Examiner OK STH Date 9-8-05
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments ~~NO Air conditioning~~ ~~Applying for~~

Applicants Name Linda Newman Phone 352 336 8587 fax # 352-332-7206
Address 527 NW 34th Terrace Gainesville FL 32607
Owners Name Dale Adams Phone
911 Address 358 SW LONCALA LOOP / Fort White FL 32038
Contractors Name LNCC, Inc (Linda Newman) Phone 352 336 8587
Address 527 NW 34th Terrace Gainesville FL 32607
Fee Simple Owner Name & Address Dale Adams 1424 SW 31ST CT. Ft Lauderdale 33315 ~~33315~~
Bonding Co. Name & Address N/A.
Architect/Engineer Name & Address PAIGE Poole, 8601 NW 4TH PL. GAINESVILLE, FL 32607.
Mortgage Lenders Name & Address

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energy
Property ID Number 02-6S-15-00502-121. Estimated Cost of Construction 65,000
Subdivision Name ICHETUCKNEE FOREST Lot 21 Block A Unit ___ Phase 2
Driving Directions SR-47, to CR-238 - To OLD Bellamy Rd (SW ZALMAN RD).
(SEE Map ATTACHED) (R) Loncala Loop, 4th on the (L)

Type of Construction STL. Frame. Vacation SFD Number of Existing Dwellings on Property 0
Total Acreage 5.5 Lot Size ~~100 x 582~~ Do you need a - ~~Culvert Permit~~ or ~~Culvert Waiver~~ or ~~Have an Existing Drive~~ PRIVATE RD
Actual Distance of Structure from Property Lines - Front 231'-2" Side 178'-10" Side 178'-10" Rear 315'-6"
Total Building Height 22 ft Number of Stories 1 1/2 Heated Floor Area 1260 Roof Pitch 8:12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Agent (Including Contractor)

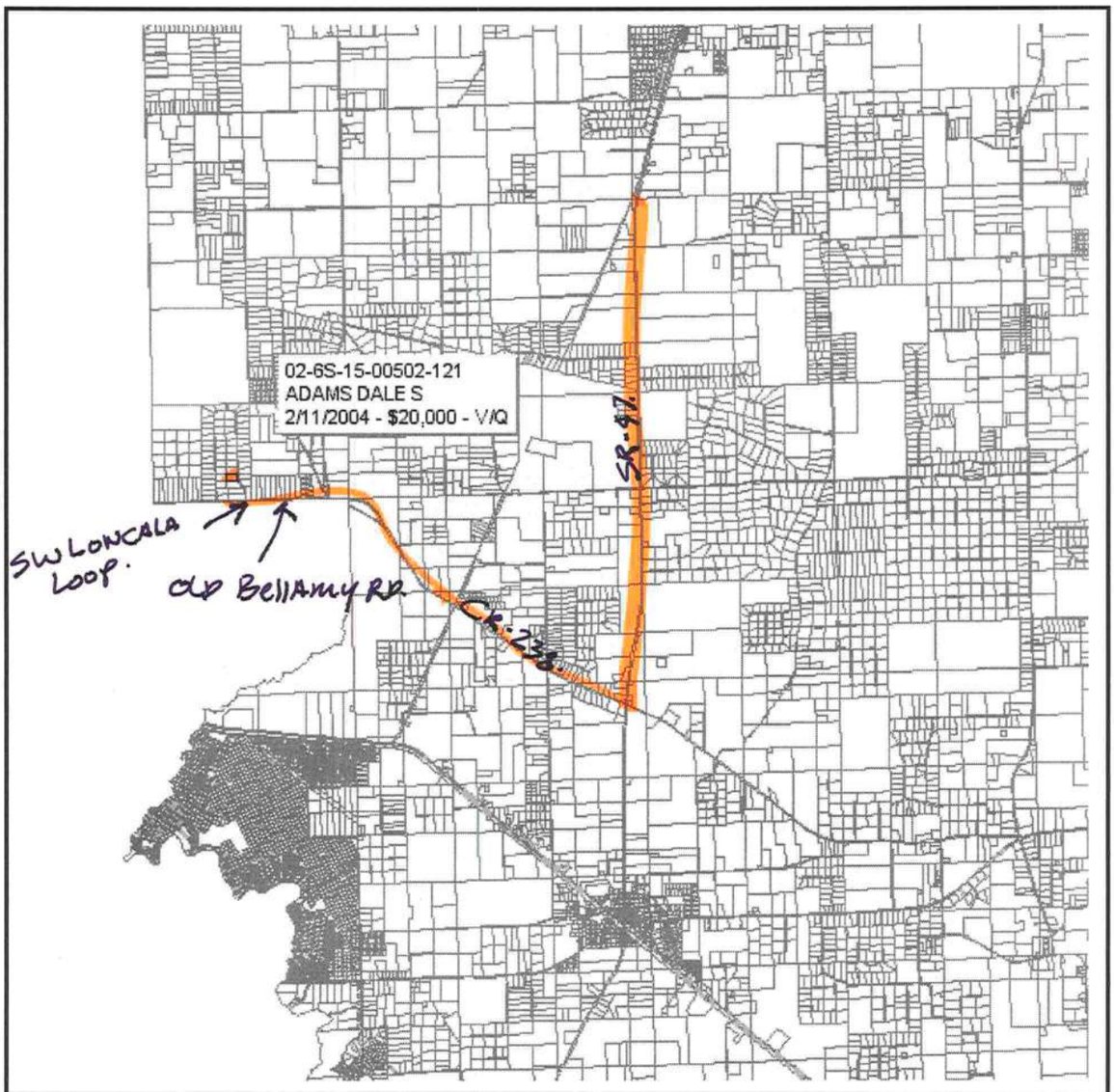
Contractor Signature
Contractors License Number CGC057877
Competency Card Number
NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 18 day of 08 20 05.
Personally known ___ or Produced Identification ✓

Notary Signature

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters



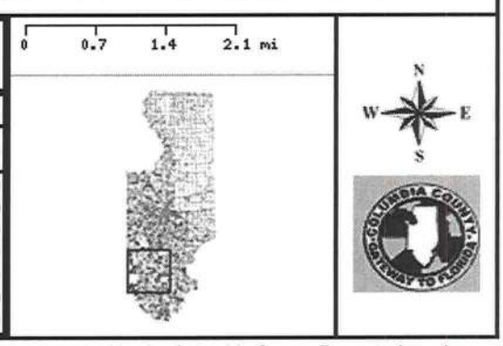
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

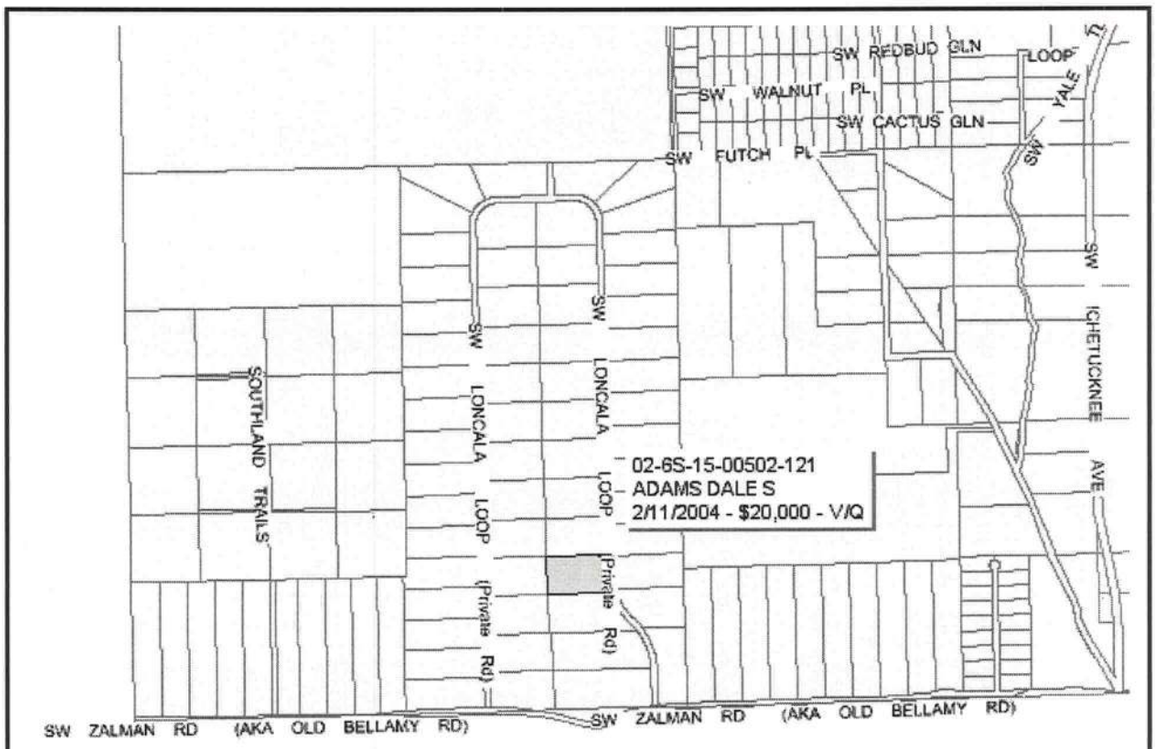
PARCEL: 02-6S-15-00502-121 - VACANT (000000)

LOT 21 BLOCK A ICHETUCKNEE FOREST PHASE 2. ORB 663-137 WD 1007-290.

Name:	ADAMS DALE S	LandVal	$17,000.00
Site:		BldgVal	$0.00
Mail:	1424 SW 31ST CT FT LAUDERDALE, FL 33315	ApprVal	$17,000.00
		JustVal	$17,000.00
Sales	2/11/2004 $20,000.00 V / Q	Assd	$17,000.00
Info	9/24/1988 $13,300.00 V / Q	Exmpt	$0.00
		Taxable	$17,000.00



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



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Site:		BldgVal	$0.00
Mail:	1424 SW 31ST CT FT LAUDERDALE, FL 33315	ApprVal	$17,000.00
		JustVal	$17,000.00
Sales	2/11/2004 $20,000.00 V / Q	Assd	$17,000.00
Info	9/24/1988 $13,300.00 V / Q	Exmpt	$0.00
		Taxable	$17,000.00

0 0.1 0.2 0.3 mi

N W E S

This information, GIS Map Updated: 6/2/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Columbia County Property Appraiser

DB Last Updated: 8/3/2005

2005 Proposed Values

Parcel: 02-6S-15-00502-121

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	ADAMS DALE S
Site Address	
Mailing Address	1424 SW 31ST CT FT LAUDERDALE, FL 33315
Brief Legal	LOT 21 BLOCK A ICHETUCKNEE FOREST PHASE 2. ORB 663-137 WD 1007-290.

Use Desc. (code)	VACANT (000000)
Neighborhood	2615.01
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	0.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	$17,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$17,000.00

Just Value	$17,000.00
Class Value	$0.00
Assessed Value	$17,000.00
Exempt Value	$0.00
Total Taxable Value	$17,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
2/11/2004	1007/290	WD	V	Q		$20,000.00
9/24/1988	663/137	WD	V	Q		$13,300.00

Building Characteristics

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

Extra Features & Out Buildings

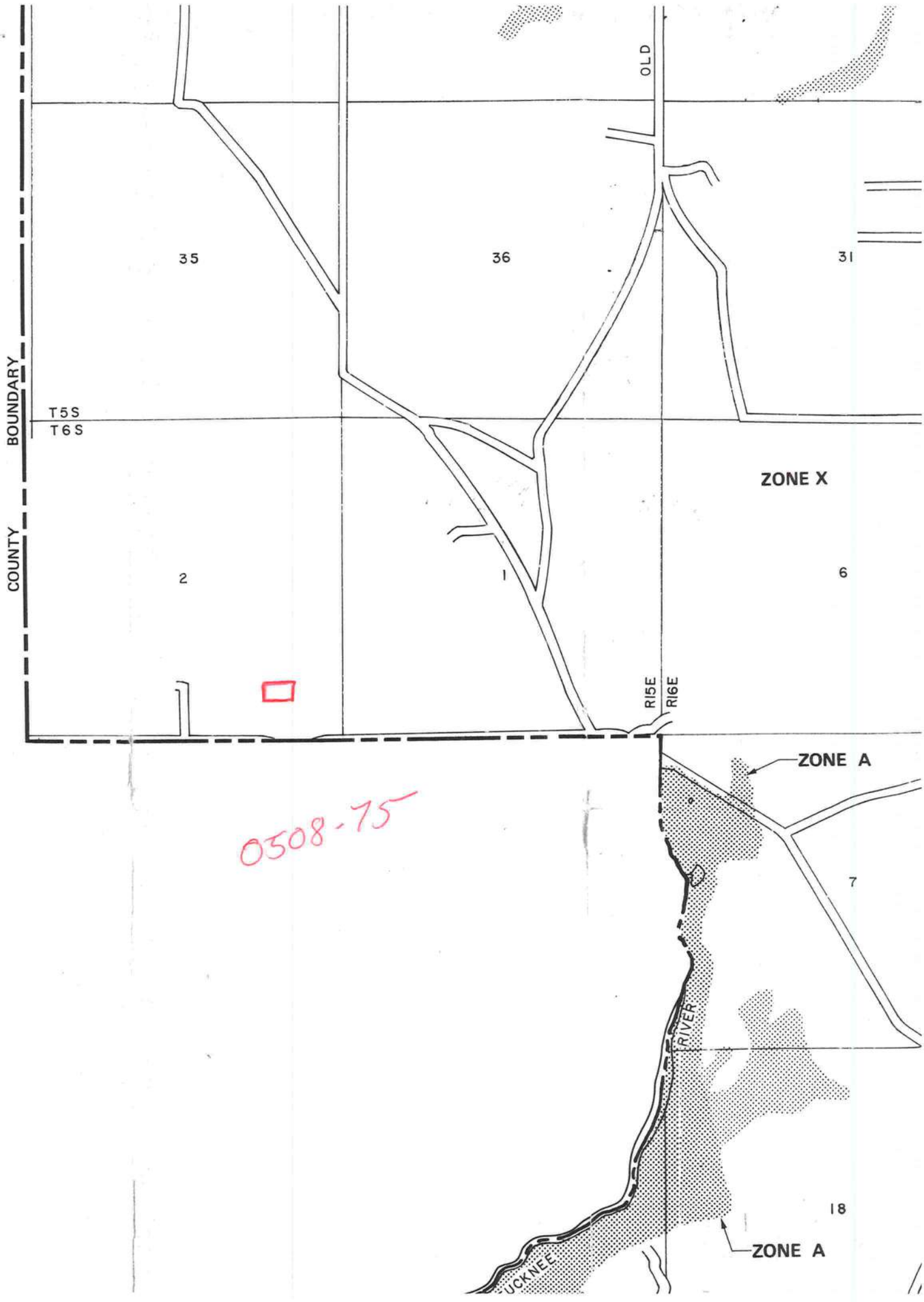
Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	$17,000.00	$17,000.00

Columbia County Property Appraiser DB Last Updated: 8/3/2005

1 of 1


OLD
35
36
31
BOUNDARY
T5S
T6S
ZONE X
COUNTY
2
1
6
R15E
R16E
ZONE A
0508-75
7
RIVER
18
ZONE A
UCKNEE

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**VACATION HOME FOR DALE ADAMS**	Builder:	**LNCCINC**
Address:	**358 SW LONCALA LOOP**	Permitting Office:	**COLUMBIA County**
City, State:	**FORT WHITE, FI 32607-**	Permit Number:	
Owner:	**DALE ADAMS**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New		
2. Single family or multi-family	Single family		
3. Number of units, if multi-family	1		
4. Number of Bedrooms	1		
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	960 ft²		
7. Glass area & type			
a. Clear - single pane	0.0 ft²		
b. Clear - double pane	0.0 ft²		
c. Tint/other SHGC - single pane	0.0 ft²		
d. Tint/other SHGC - double pane	77.5 ft²		
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=1.0, 120.0(p) ft		
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Steel, Exterior	R=13.0, 630.0 ft²		
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=19.0, 960.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 1.0 ft		
b. N/A			
12. Cooling systems			
a. PTAC and Room Unit		Cap: 18.0 kBtu/hr	
		EER: 9.70, Unducted	
b. N/A			
c. N/A			
13. Heating systems			
a. Electric Heat Pump		Cap: 14.0 kBtu/hr	
		HSPF: 7.20	
b. N/A			
c. N/A			
14. Hot water systems			
a. Electric Resistance		Cap: 30.0 gallons	
		EF: 0.90	
b. N/A			
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)			
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		PT, CF,	

Glass/Floor Area: 0.08

Total as-built points: 11562
Total base points: 12905

PASS

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

PREPARED BY: _____

DATE: Aug. 17.05.

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

OWNER/AGENT: _____

DATE: Aug. 17.05

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **358 SW LONCALA LOOP, FORT WHITE, FI, 32607-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	960.0	20.04	3462.9	Double,U=2.50,SHGC=0.5	S	2.0	2.0	14.0	26.99	0.52	196.7	
				Double,U=2.50,SHGC=0.5	W	2.0	2.0	14.0	29.26	0.53	217.3	
				Double,U=2.50,SHGC=0.5	W	2.0	2.0	14.0	29.26	0.53	217.3	
				Double,U=2.50,SHGC=0.5	N	2.0	2.0	7.5	14.66	0.71	78.2	
				Double,U=2.50,SHGC=0.5	N	2.0	2.0	14.0	14.66	0.71	145.9	
				Double,U=2.50,SHGC=0.5	N	2.0	2.0	14.0	14.66	0.71	145.9	
				As-Built Total:				**77.5**			**1001.3**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Steel, Exterior			13.0	630.0	2.50		1575.0	
Exterior	630.0	1.70	1071.0									
Base Total:	**630.0**		**1071.0**	**As-Built Total:**				**630.0**			**1575.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.5	4.10		166.1	
Exterior	81.0	6.10	494.1	Exterior Insulated				40.5	4.10		166.1	
Base Total:	**81.0**		**494.1**	**As-Built Total:**				**81.0**			**332.1**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X	SCM =	Points	
Under Attic	960.0	1.73	1660.8	Under Attic			19.0	960.0	2.34 X	1.00	2246.4	
Base Total:	**960.0**		**1660.8**	**As-Built Total:**				**960.0**			**2246.4**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	120.0(p)	-37.0	-4440.0	Slab-On-Grade Edge Insulation			1.0	120.0(p	-39.87		-4784.0	
Raised	0.0	0.00	0.0									
Base Total:			**-4440.0**	**As-Built Total:**				**120.0**			**-4784.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	960.0	10.21	9801.6					960.0	10.21		9801.6	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **358 SW LONCALA LOOP, FORT WHITE, FI, 32607-** PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**12050.4**	**Summer As-Built Points:**						**10172.4**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
12050.4	**0.4266**		**5140.7**	10172.4 **10172.4**	1.000 **1.00**	(1.000 x 1.147 x 0.86) **1.000**	0.352 **0.352**	0.902 **0.902**		3227.4 **3227.4**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **358 SW LONCALA LOOP, FORT WHITE, FI, 32607-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	960.0	12.74	2201.5	Double,U=2.50,SHGC=0.5	S	2.0	2.0	14.0	35.09	2.73	1342.2	
				Double,U=2.50,SHGC=0.5	W	2.0	2.0	14.0	41.51	1.17	678.1	
				Double,U=2.50,SHGC=0.5	W	2.0	2.0	14.0	41.51	1.17	678.1	
				Double,U=2.50,SHGC=0.5	N	2.0	2.0	7.5	44.28	1.02	338.2	
				Double,U=2.50,SHGC=0.5	N	2.0	2.0	14.0	44.28	1.02	631.3	
				Double,U=2.50,SHGC=0.5	N	2.0	2.0	14.0	44.28	1.02	631.3	
				As-Built Total:				**77.5**			**4299.1**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points		
Adjacent	0.0	0.00	0.0	Frame, Steel, Exterior			13.0	630.0	5.20	3276.0		
Exterior	630.0	3.70	2331.0									
Base Total:	**630.0**		**2331.0**	**As-Built Total:**				**630.0**		**3276.0**		
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =	Points		
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.5	8.40	340.2		
Exterior	81.0	12.30	996.3	Exterior Insulated				40.5	8.40	340.2		
Base Total:	**81.0**		**996.3**	**As-Built Total:**				**81.0**		**680.4**		
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	960.0	2.05	1968.0	Under Attic			19.0	960.0	2.70 X	1.00	2592.0	
Base Total:	**960.0**		**1968.0**	**As-Built Total:**				**960.0**			**2592.0**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points		
Slab	120.0(p)	8.9	1068.0	Slab-On-Grade Edge Insulation			1.0	120.0(p	15.63	1876.0		
Raised	0.0	0.00	0.0									
Base Total:			**1068.0**	**As-Built Total:**				**120.0**		**1876.0**		
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =	Points		
	960.0	-0.59	-566.4					960.0	-0.59	-566.4		

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **358 SW LONCALA LOOP, FORT WHITE, FI, 32607-** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**7998.4**	**Winter As-Built Points:**					**12157.1**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
7998.4	**0.6274**	**5018.2**	12157.1 **12157.1**	1.000 **1.00**	(1.000 x 1.169 x 0.88) **1.033**	0.474 **0.474**	0.950 **0.950**	5649.3 **5649.3**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **358 SW LONCALA LOOP, FORT WHITE, FI, 32607-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
1		2746.00	2746.0	30.0	0.90	1	1.00	2684.98	1.00	2685.0	
				As-Built Total:							**2685.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
5141	**5018**	**2746**	**12905**	**3227**	**5649**	**2685**	**11562**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **358 SW LONCALA LOOP, FORT WHITE, FI, 32607-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.0

The higher the score, the more efficient the home.

DALE ADAMS, 358 SW LONCALA LOOP, FORT WHITE, FI, 32607-

1. New construction or existing	New	
2. Single family or multi-family	Single family	
3. Number of units, if multi-family	1	
4. Number of Bedrooms	1	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	960 ft²	
7. Glass area & type		
a. Clear - single pane	0.0 ft²	
b. Clear - double pane	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	
d. Tint/other SHGC - double pane	77.5 ft²	
8. Floor types		
a. Slab-On-Grade Edge Insulation	R=1.0, 120.0(p) ft	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Steel, Exterior	R=13.0, 630.0 ft²	
b. N/A		
c. N/A		
d. N/A		
e. N/A		
10. Ceiling types		
a. Under Attic	R=19.0, 960.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. Sup: Con. Ret: Con. AH(Sealed):Interior	Sup. R=6.0, 1.0 ft	
b. N/A		
12. Cooling systems		
a. PTAC and Room Unit	Cap: 18.0 kBtu/hr	
	EER: 9.70, Unducted	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 14.0 kBtu/hr	
	HSPF: 7.20	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 30.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction 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: _____

Address of New Home: _____ City/FL Zip: _____

*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-7824.

EnergyGauge®(Version: FLRCPB v3.22)

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to: Build permit application Number: **0508-75 LNCC INC Owner Dale Adams Lot 21 Block A Phase 2 Ichetucknee Forest.**

On the date of August 19, 2005 application 0508- 75 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0508-75 when making reference to this application.

1. Please provide a copy of the application from the Columbia County Environmental Health Department for the waste water disposal system for this dwelling.

2. Please file with this office a recorded notice of commencement before any inspections can be done.

3. Please submit a detail shop drawing of the Spiral Stairways to show compliance with section 1007.8.2 of the FBC 2001. Spiral Stairways. Where permitted by this section or in specific occupancies in accordance with 1018, spiral stairs complying with this section shall be permitted as a component in a means of egress.

1007.8.2.1 Spiral stairs complying with the following shall be permitted:

1. Riser heights shall not exceed 7 in. (17.8 cm).

2. The stairway shall have a tread depth of not less than 11 in. (27.9 cm) for a portion of the stairway width sufficient to provide the egress capacity for the occupant load served in accordance with 1003.1.

3. At the outer side of the stairway, an additional

10-1/2 in. (26.7 cm) of width shall be provided clear to the other handrail, and this width shall not be included as part of the required egress capacity.

4. Handrails complying with 1007.5 shall be provided on both sides of the spiral stairway.

5. The inner handrail shall be located within 24 in.

(61 cm), measured horizontally, of the point where a tread depth not less than 11 in. (27.9 cm) is provided.

6. The turn of the stairway shall be such that descending users have the outer handrail at their right side.

4. Show a detail design of the interior and exterior guard rail system. Show compliance with sections Section 1015 and 1608.2.2.2 of the FBC 2001.

5. Please show compliance of section 1804.2 of the FBC 2001 Soils investigation

1804.2.1 Plain concrete, masonry or timber footings.

Footings shall be so designed that the allowable bearing capacity of the soil is not exceeded. If structural plain concrete, masonry or timber footings are used, they shall rest on undisturbed or compacted soil of uniform density and thickness. Compacted soils shall be tested to a minimum of 95% of Modified Proctor in accordance with ASTM D 1557 and compacted and tested in lifts not to exceed 12 inches (305 mm). If sufficient compatibilities exist, soils may be compacted and tested in greater lift thickness.

6. Show on the foundation the column spacing for the foundation wall section.

7. Give the uplift rating of the (2)3/4" Exp Bolt as shown on the # 4 Detail at each bent frame. Also show required flat washer size for the bolt. The # 4 Detail requires 2 additional bars at the column please note the additional bars required size.

8. Verify on the # 2 roof/wall framing plan were the W6x20 Frame connect and the method of connection. Also show the size, type material and the connection locations along with the connection method of the Shear cables.

9. Show the method of connection for the 8"C 14 GA Stud include total number of fasteners per stud, along with the size, length and type screw or bolt need at the connection point.

10. Show the method of connection for the purlins to the 8"C 14 GA Stud include the bolts size, length and type.

11. Show the overall size of the 2x ? ceiling joist. Along with the method of connection include total number of fasteners per joist with the size, length and type screw or bolt need at the connection point.

12. Provide the span table rating for the 8"C stud (joist) and the live and dead load rating of the loft floor system. Show the fastening schedule requirement to secure the ¾ Plywood to the 8"C stud (joist) system.

13. Show a typical (front & end wall) framing method and include all materials making up these walls.

1. Size and species of studs
2. Sheathing size, type and nailing schedule
3. Headers sized
4. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail

14. Show the bedroom circuits as arc Fault (AFCI) circuits in the bedroom.

15. Show compliance with sections of the FBC 313.1 Smoke alarms.

Smoke alarms shall be installed in the following locations:

1. In each sleeping room.

2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.

3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

All smoke alarms shall be listed and installed in accordance with the provisions of this code and the household fire warning equipment provisions of NFPA 72.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building & Zoning
Department

RON E. BIAS WELL DRILLING
RT.2 BOX 5340
FT. WHITE, FLORIDA 32038
(904) 497-1045
MOBILE: 364-9233
fax 352.337.0299
ph: 330.8587

TO: Columbia County Building Department

Description of well to be installed for Customer: Dale Adams
Located at Address: #3585 W Loncala Loop

1 hp – 1 ¼" drop over 86 gallon tank, 250 gallon equivalent captive with back flow preventer. 35-gallon draw down with check valve pass requirements.

Ron E Bias
Ron Bias

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-0918N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.

Bldg
05-0875
Lyndon NCC

See Attached

Notes: _____

Site Plan submitted by: Paige L Bowe (Signature) Architect (Title)

Plan Approved _____ Not Approved _____ Date _____

By _____ County Health Department

Approved - Sand Suddy EH 6-20-05

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

H 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)
Stock Number: 5744-002-4015-6)

Paige Poole Architect
8601 NW 4 Th Place
Gainesville Florida 32607-1414

Response to code review comments permit no.0508-75LnccInc

August 30, 2005

Project: **New Residence for Dale Adams**
Lot 21 Block A Phase 2
Ichetucknee Forest
Attn: Joe Haltiwanger
Plan Examiner
Columbia County Building and Zoning Department

Dear Mr. Haltiwanger;

I would like to compliment you on the expedite and professional manner you have reviewed my drawings and written your response in an easy to understand and reply to format. I especially appreciated having the reference code sections included right in the comments, it was very helpful.

I hope that you will find my response as well organized as your review letter. I will provide my answers in the same order.

1. **We have applied for the application to CCEHD, it is attached to this letter.**
2. **We do understand the need to file Notice of commencement, and will do so upon obtaining our permit and will forward a copy of this to your office before our first inspection request.**
3. **Detailed shop drawing are hard to come by until you shell out the money to buy the actual stairs. I have contacted several suppliers and they assure me they can and do meet the FBC-2001. I have enclosed a sample of their drawing for a similar spiral stair. However I would like to point out that I believe the section you quoted (1007.8.2.1) is not the section that applies.**

§1007.8.2.3 Within dwellings and dwelling units, guest rooms and guest suites where the occupant load served does not exceed five, spiral stairs meeting the following conditions shall be permitted:

1. The minimum stairway width shall be 26 inches (660 mm).

2. The height of risers shall not be more than 9-1/2 inches (241 mm).

3. The headroom shall be a minimum of 6 ft 6 in. (1981 mm).

4. Treads shall have a depth not less than 7-1/2 in. (190 mm) at a point 12 inches (305 mm) from the narrow edge.

5. All treads shall be identical.

6. Handrails shall be provided on one side.

Since the loft has only 320 sf and the occupancy load for residence is 1/200 SF it would only have 1 ½ person occupancy to meet this standard. We are allowed up to 5 persons under the provisions of this section

4. The interior guard rail is now shown , see detail 2/A3

5. Section 1804.2.1 refers to Plain Concrete footings located on soil of questionable bearing capacity. I had to research the code to determine what they meant by plain concrete. I found a section which helps to define it.
§709.2.1.1 Cast-In-Place or precast walls

> §709.2.1.1.1 The minimum equivalent thicknesses of cast-in-place or precast concrete walls for fire resistance ratings of 1 hour to 4 hours are shown in Table 709.2.1.1. For solid walls with flat vertical surfaces, the equivalent thickness is the same as the thickness. The values in Table 709.2.1.1 **apply to plain**, reinforced, or prestressed concrete walls.

Since section 709.2.1.1.1 makes the distinction between plain concrete and reinforced concrete, I would have to conclude that plain concrete is a footing that doesn't contain steel. It is also borne out in this section since it refers to other "marginal" type footing materials such as masonry and timbers. I have never used Plain Concrete footings (I never even knew the code allowed for it). We have ample reinforcing in our footings, the bearing load on the footing is less that 1000PSF. I also have visited the site and explored the sub-soils with a test hole. I have observed normal dry sand, with no visible evidence of any materials that would make the bearing values questionable.

6 . The column spacing is now better shown on S-1, please note that since the building is symmetrical I have only shown half of the building as foundation, the lower section of the same drawing is intended to be the wall/roof framing plan.

7. **The uplift rating is given on the 3/A5. The uplift is designed at 2Kip perbolt. I had to actually use 4 bolts to meet the 8K uplift load. I would also like to reserve the option to use ¾"AB if it works out that we can be certain of the bolt pattern when we pour the concrete. I like AB as a better system since they don't suffer from installation errors as often as expansion bolts.**
8. **The connection of the W6X20 is now shown on section 2/A5**
9. **This connection is also shown on Detail 2/A5**
10. **This should be shown on section 4/A5**
11. **I have omitted the ceiling joist, we will just let the ceiling run to the peak of the A-frame. This is reflected on the wall section 4/A5**
12. **I have changed the floor joist to the loft to a 12TDW16 member. I have calculated it from a program by Dietrich, a print out is enclosed in the letter. The program only prints out the**

section for a specified condition and doesn't provide a "load table " per se . The fastening of the plywood floor to this member is now shown on S1 loft framing plan.

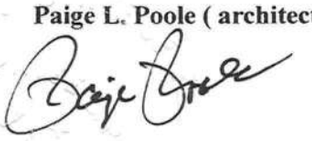
13. The front wall section is now shown on sheet A5. This is a non load bearing steel stud wall. It is ballon framed with the help of an intermediate "spandrel" beam to reduce the overall length of the studs. The studs are 6" deep. See attached load calculation sheet for more details on the studs. The section shows our intended materials and fastening schedule. The headers are all non-load bearing.
14. The bedroom AFCI outlets are now shown both as a note on the Electric plan and as a change to the Electric legend.
15. I have added the additional smoke detectors. The inclusion of the referred section of the code made it much easier for me to know exactly how to easily comply.

I believe this addresses the comments as I currently understand them. I trust that if you have any additional comments you will notify me by faxed letter or if a dialogue would be more efficient please call me at 352-332-7206.

Again Thank you for written review comments.

Sincerely

Paige L. Poole (architect)



3

Salter INDUSTRIES

phone: 610.489.5799
800.368.8280
fax: 610.489.9286
105 GP Clement Dr. Collegeville, PA 19426

Request Literature

Online Brochure

Products

Classic Steel Stairs

Forged Iron Stairs

Wood Stairs

Exterior Stairs Aluminum

Exterior Stairs Galvanized

Installation

Steel Stair Adjustable Sleeve Installation

Steel Stair Continuous Sleeve Installation

Technical Information

Steel & Aluminum Technical Spec's

Wood Stair Technical Spec's

National Codes

Company Information

About Us

Design Info

Puchasing Info

Map

Home

Code Specifications

Salter's Code Stair Packages will address each of the requirements that are listed below. This information will apply to the BOCA Code, UBC Code and the CABO Code. **Please be aware that the CABO Code has a misprint and the correction is listed in the back of your inspector's Handbook. The misprint did not allow for the riser height of 9 ½".**

1. Minimum clear walking path 26", 5 ft. diameter or larger.

2. Tread will have a minimum of 7 1/2", 12" out from the narrow edge of the tread.

3. Minimum headroom of 6'6", measuring plumb from the edge of the platform down to the tread below.

4. The rise will not be more than 9 1/2".

5. The stairway shall be equipped with one handrail on the wide edge of the tread.

6. The handrail, in individual dwelling units, not less than 34" and not more than 38", measured vertically above the nosing of the tread and landing. (BOCA is 30" up to 38")

7. Balusters shall be spaced so a 4" object cannot pass between the balusters.

8. Balcony railings will be 36" or above.

9. Landing width (that Salter supplies) shall not be less than the required width of the stairway. Minimum spiral stair tread width is 26".

10. 1 1/2" OD. Aluminum, Brass or 1 3/4" wide x 2" tall oak handrail.

11. A 300 lb. concentrated load is required. All Salter stairs are calculated to carry 600 lbs. or more concentrated load.

3

Please have your inspector review the specifications before placing your order.

Inspector Signature _____ Date_____

Salter's standard code package will not address the open space between each tread (open rise stair). If your code requires, not more than a four inch space in this area, you will need to order our code risers.

Verify what handrail size and shape your inspector will require. Handrail size and shape is becoming a very controversial area within the building code. We recommend that you use our standard 1 1/2" round rails or our 1 3/4" x 2" wood rails for the proper circumference.

Request Literature | Classic Steel Spiral Stairs | Forged Iron Stairs
Exterior Stairs Aluminum | Exterior Stairs Galvanized | Steel Stair Installation
Steel & Aluminum Technical Specs | Wood Stairs
Wood Stairs Technical Spec's | About Us | Design Info
National Codes | Purchasing Info | Map | Privacy | Links | Home

§1007.8.2.3 Within dwellings and dwelling units, guest rooms and guest suites where the occupant load served does not exceed five, spiral stairs meeting the following conditions shall be permitted:

1. The minimum stairway width shall be 26 inches (660 mm).

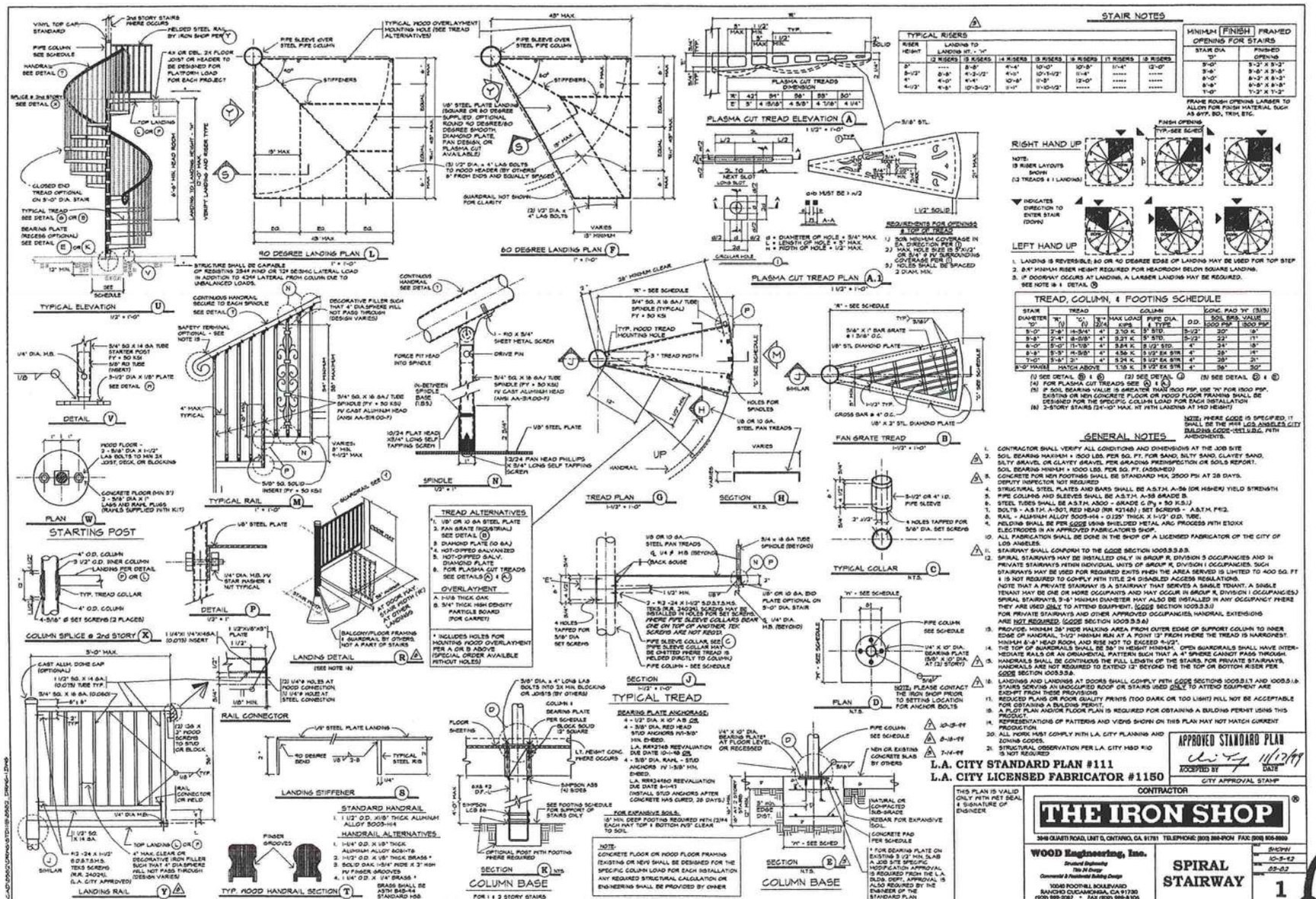
2. The height of risers shall not be more than 9-1/2 inches (241 mm).

3. The headroom shall be a minimum of 6 ft 6 in. (1981 mm).

4. Treads shall have a depth not less than 7-1/2 in. (190 mm) at a point 12 inches (305 mm) from the narrow edge.

5. All treads shall be identical.

6. Handrails shall be provided on one side.


STAIR NOTES
TYPICAL RISERS
PLASMA CUT TREAD ELEVATION
PLASMA CUT TREAD PLAN
90 DEGREE LANDING PLAN
60 DEGREE LANDING PLAN
TYPICAL ELEVATION
RIGHT HAND UP
LEFT HAND UP
TREAD, COLUMN, & FOOTING SCHEDULE
GENERAL NOTES
STARTING POST
TYPICAL RAIL
LANDING DETAIL
TREAD ALTERNATIVES
TYPICAL TREAD
FAN GRATE TREAD
TYPICAL COLLAR
COLUMN SPLICE @ 2nd STORY
RAIL CONNECTOR
LANDING STIFFENER
STANDARD HANDRAIL
HANDRAIL ALTERNATIVES
TYP. WOOD HANDRAIL SECTION
COLUMN BASE
L.A. CITY STANDARD PLAN #111
L.A. CITY LICENSED FABRICATOR #1150
APPROVED STANDARD PLAN
CONTRACTOR
THE IRON SHOP
WOOD Engineering, Inc.
SPIRAL STAIRWAY
SHOWN
10-5-99
99-03
1

12
Floor Joist

DIETRICH METAL FRAMING

Dead Load: 10 psf
Live Load: 40 psf
Span Length: 20 Feet 1 Inch
Live Load Deflection: L/360
Total Load Deflection: L/240
Spacing On Center: 24"

Joist Member	Description	Size	Gauge	Flange
12"TDW16	TDW-5 TRADEREADY® JOIST-50K	12"	16	2"

Product Specification

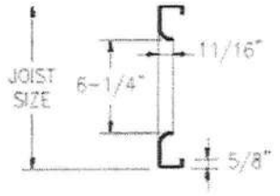
TradeReady® Joist

Product Code: TDW5
Depth: 12"
Flange: 2"
Lip: 5/8"
Yield Strength: 50
Gauge: 16
Design Thickness: 0.056"

SSMA Code: N/A
Weight/Foot: 3.118
Product Complies With:
A.I.S.I "Specification for the design of cold-formed steel structural members"
ASTM C-955

Gross Section Properties

Area: 0.953 **in.^2**
Moment of inertia about x axis (Ix): 17.677 **in.^4**
Moment of inertia about y axis (Iy): 0.394 **in.^4**
Section Modulus about x axis (Sx): 2.946 **in.^3**
Section Modulus about y axis (Sy): 0.243 **in.^3**
Distance between centroid and web centerline (X): 0.351 **in.**
Distance between centroid and shear center (Xo): -1.047 **in.**
St. Venant tortional constant (J): 0.001019 **in.^4**
Warping constant (Cw): 11.467 **in.^6**
Moment of inertia at knockout about x axis (Ix2): 16.981 **in.**



TRADE READY® JOIST 9-1/4" AND LARGER

Dietrich Metal Framing, Inc.
Corporate Headquarters 500 Grant Street/Suite 2226
Pittsburgh, PA 15219
Phone: (412)281.2805

Dietrich Design Group
1414 Field Street Building C
Hammond, IN 46320
Phone: (219)853.9474
Toll Free:1.800.USE.BIGD

DIETRICH METAL FRAMING

13 WALL STUDS.

Framing Condition: Curtain Wall
Spacing Requirement: 12"
Lateral Load Capacity: 20
Deflection: L/360
Punched or Unpunched: Punched

Product Code	SSMA Code	Gauge	KSI	Width	Length
CSJ3	600S162-33	20	33	6"	15' 0"

Product Specification

Structural Stud

Product Code: CSJ
Depth: 6"
Flange: 1-5/8"
Lip: 1/2"
Yield Strength: 33
Gauge: 20
Design Thickness: 0.0346"

SSMA Code: 600S162-33
Weight/Foot: 1.132
Punched/Unpunched: P
Product Complies With:
A.I.S.I. Specification for the design of Cold-Formed Steel Structural Members
ASTM C-955
ASTM C-1007
ICBO 4784P*
See report for specific information.

Gross Section Properties

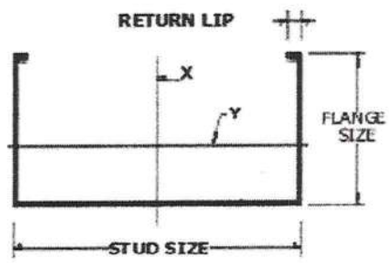
Area: 0.346 **in.^2**
Moment of inertia about x-x axis (Ix): 1.808 **in.^4**
Radius of gyration about x-x axis (Rx): 2.286 **in.**
Moment of inertia about y-y axis (Iy): 0.118 **in.^4**
Radius of gyration about y-y axis (Ry): 0.583 **in.**

Effective Section Properties

Fully Braced Allowable Moment (Mall): 11516 **in/lbs.**
Moment of Inertia about x-x axis (IxEff): 1.808 **in.^4**
Effective Section Modulus about x-x Axis (SxEff): 0.583 **in.^3**

Torsional Section Properties

Distance between shear center and centroid (Xo): -1.088 **in.**
St. Venant torsional constant (Jx1000): 0.138
Warping torsional constant (Cw): 0.855
Polar radius of gyration about principal axis (Ro): 2.598 **in.**
Beta Equals 1-(Xo/Ro)^2: 0.825



STRUCTURAL STUD

Dietrich Metal Framing, Inc.
Corporate Headquarters 500 Grant Street/Suite 2226
Pittsburgh, PA 15219
Phone: (412)281.2805

Dietrich Design Group
1414 Field Street Building C
Hammond, IN 46320
Phone: (219)853.9474
Toll Free:1.800.USE.BIGD

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☑	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☑	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☐	☑	**Site Plan including:**
		a) Dimensions of lot
		b) Dimensions of building set backs
		c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
☑	☑	d) Provide a full legal description of property.
		Wind-load Engineering Summary, calculations and any details required
		a) Plans or specifications must state compliance with FBC Section 1606
		b) The following information must be shown as per section 1606.1.7 FBC
		a. Basic wind speed (MPH)
		b. Wind importance factor (I) and building category
		c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
		d. The applicable internal pressure coefficient
		e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☑	☑	**Elevations including:**
☑	☑	a) All sides
☐	☑	b) Roof pitch 8/12
☑	☐	c) Overhang dimensions and detail with attic ventilation
☐ N/A	☑	d) Location, size and height above roof of chimneys
☐ N/A	☑	e) Location and size of skylights
☑	☐	f) Building height 21' 4 3/4"
☑	☐	e) Number of stories 1 + LOFT

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails — See NOTE 3
- f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing — See NOTE #4
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:

1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termicide or alternative method)
10. Slab on grade
    a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

N/A ☐ **b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
    a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

✓ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

N/A ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

N/A ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

N/A ☐ a) Manual J sizing equipment or equivalent computation — NON-CONDITIONED

☐ ☐ b) Exhaust fans in bathroom

☑ ☐ **Energy Calculations** (dimensions shall match plans)

N/A ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

☑ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☑ ☐ **Private Potable Water**

a) Size of pump motor — 1 HP

b) Size of pressure tank — 30 GAL

c) Cycle stop valve if used

Paige Poole Architect
8601 NW 4 Th Place
Gainesville Florida 32607-1414

Response to code review comments permit no.0508-75LnccInc

August 30, 2005

Project: **New Residence for Dale Adams**
Lot 21 Block A Phase 2
Ichetucknee Forest
Attn: Joe Haltiwanger
Plan Examiner
Columbia County Building and Zoning Department

Dear Mr. Haltiwanger;

I would like to compliment you on the expedite and professional manner you have reviewed my drawings and written your response in an easy to understand and reply to format. I especially appreciated having the reference code sections included right in the comments, it was very helpful.

I hope that you will find my response as well organized as your review letter. I will provide my answers in the same order.

1. **We have applied for the application to CCEHD, it is attached to this letter.**
2. **We do understand the need to file Notice of commencement, and will do so upon obtaining our permit and will forward a copy of this to your office before our first inspection request.**
3. **Detailed shop drawing are hard to come by until you shell out the money to buy the actual stairs. I have contacted several suppliers and they assure me they can and do meet the FBC-2001. I have enclosed a sample of their drawing for a similar spiral stair. However I would like to point out that I believe the section you quoted (1007.8.2.1) is not the section that applies.**

§1007.8.2.3 Within dwellings and dwelling units, guest rooms and guest suites where the occupant load served does not exceed five, spiral stairs meeting the following conditions shall be permitted:

1. The minimum stairway width shall be 26 inches (660 mm).

2. The height of risers shall not be more than 9-1/2 inches (241 mm).

3. The headroom shall be a minimum of 6 ft 6 in. (1981 mm).

4. Treads shall have a depth not less than 7-1/2 in. (190 mm) at a point 12 inches (305 mm) from the narrow edge.

5. All treads shall be identical.

6. Handrails shall be provided on one side.

Since the loft has only 320 sf and the occupancy load for residence is 1/200 SF it would only have 1 ½ person occupancy to meet this standard. We are allowed up to 5 persons under the provisions of this section

4. The interior guard rail is now shown , see detail 2/A3

5. Section 1804.2.1 refers to Plain Concrete footings located on soil of questionable bearing capacity. I had to research the code to determine what they meant by plain concrete. I found a section which helps to define it.
§709.2.1.1 Cast-In-Place or precast walls

> §709.2.1.1.1 The minimum equivalent thicknesses of cast-in-place or precast concrete walls for fire resistance ratings of 1 hour to 4 hours are shown in Table 709.2.1.1. For solid walls with flat vertical surfaces, the equivalent thickness is the same as the thickness. The values in Table 709.2.1.1 **apply to plain**, reinforced, or prestressed concrete walls.

Since section 709.2.1.1.1 makes the distinction between plain concrete and reinforced concrete, I would have to conclude that plain concrete is a footing that doesn't contain steel. It is also borne out in this section since it refers to other "marginal" type footing materials such as masonry and timbers. I have never used Plain Concrete footings (I never even knew the code allowed for it). We have ample reinforcing in our footings, the bearing load on the footing is less that 1000PSF. I also have visited the site and explored the sub-soils with a test hole. I have observed normal dry sand, with no visible evidence of any materials that would make the bearing values questionable.

6 . The column spacing is now better shown on S-1, please note that since the building is symmetrical I have only shown half of the building as foundation, the lower section of the same drawing is intended to be the wall/roof framing plan.

7. **The uplift rating is given on the 3/A5. The uplift is designed at 2Kip perbolt. I had to actually use 4 bolts to meet the 8K uplift load. I would also like to reserve the option to use ¾"AB if it works out that we can be certain of the bolt pattern when we pour the concrete. I like AB as a better system since they don't suffer from installation errors as often as expansion bolts.**
8. **The connection of the W6X20 is now shown on section 2/A5**
9. **This connection is also shown on Detail 2/A5**
10. **This should be shown on section 4/A5**
11. **I have omitted the ceiling joist, we will just let the ceiling run to the peak of the A-frame. This is reflected on the wall section 4/A5**
12. **I have changed the floor joist to the loft to a 12TDW16 member. I have calculated it from a program by Dietrich, a print out is enclosed in the letter. The program only prints out the**

section for a specified condition and doesn't provide a "load table " per se . The fastening of the plywood floor to this member is now shown on S1 loft framing plan.

13. The front wall section is now shown on sheet A5. This is a non load bearing steel stud wall. It is ballon framed with the help of an intermediate "spandrel" beam to reduce the overall length of the studs. The studs are 6" deep. See attached load calculation sheet for more details on the studs. The section shows our intended materials and fastening schedule. The headers are all non-load bearing.
14. The bedroom AFCI outlets are now shown both as a note on the Electric plan and as a change to the Electric legend.
15. I have added the additional smoke detectors. The inclusion of the referred section of the code made it much easier for me to know exactly how to easily comply.

I believe this addresses the comments as I currently understand them. I trust that if you have any additional comments you will notify me by faxed letter or if a dialogue would be more efficient please call me at 352-332-7206.

Again Thank you for written review comments.

Sincerely

Paige L. Poole (architect)

3

phone: 610.489.5799
800.368.8280
fax: 610.489.9286
105 GP Clement Dr. Collegeville, PA 19426

Request Literature

Online Brochure

Products
Classic Steel Stairs
Forged Iron Stairs
Wood Stairs
Exterior Stairs Aluminum
Exterior Stairs Galvanized

Installation
Steel Stair Adjustable Sleeve Installation
Steel Stair Continuous Sleeve Installation

Technical Information
Steel & Aluminum Technical Spec's
Wood Stair Technical Spec's
National Codes

Company Information
About Us
Design Info
Puchasing Info
Map
Home

Code Specifications

Salter's Code Stair Packages will address each of the requirements that are listed below. This information will apply to the BOCA Code, UBC Code and the CABO Code. **Please be aware that the CABO Code has a misprint and the correction is listed in the back of your inspector's Handbook. The misprint did not allow for the riser height of 9 ½".**

1. Minimum clear walking path 26", 5 ft. diameter or larger.

2. Tread will have a minimum of 7 1/2", 12" out from the narrow edge of the tread.

3. Minimum headroom of 6'6", measuring plumb from the edge of the platform down to the tread below.

4. The rise will not be more than 9 1/2".

5. The stairway shall be equipped with one handrail on the wide edge of the tread.

6. The handrail, in individual dwelling units, not less than 34" and not more than 38", measured vertically above the nosing of the tread and landing. (BOCA is 30" up to 38")

7. Balusters shall be spaced so a 4" object cannot pass between the balusters.

8. Balcony railings will be 36" or above.

9. Landing width (that Salter supplies) shall not be less than the required width of the stairway. Minimum spiral stair tread width is 26".

10. 1 1/2" OD. Aluminum, Brass or 1 3/4" wide x 2" tall oak handrail.

11. A 300 lb. concentrated load is required. All Salter stairs are calculated to carry 600 lbs. or more concentrated load.

3

Please have your inspector review the specifications before placing your order.

Inspector Signature _____ Date_____

Salter's standard code package will not address the open space between each tread (open rise stair). If your code requires, not more than a four inch space in this area, you will need to order our code risers.

Verify what handrail size and shape your inspector will require. Handrail size and shape is becoming a very controversial area within the building code. We recommend that you use our standard 1 1/2" round rails or our 1 3/4" x 2" wood rails for the proper circumference.

Request Literature | Classic Steel Spiral Stairs | Forged Iron Stairs
Exterior Stairs Aluminum | Exterior Stairs Galvanized | Steel Stair Installation
Steel & Aluminum Technical Specs | Wood Stairs
Wood Stairs Technical Spec's | About Us | Design Info
National Codes | Purchasing Info | Map | Privacy | Links | Home

(3)

§1007.8.2.3 Within dwellings and dwelling units, guest rooms and guest suites where the occupant load served does not exceed five, spiral stairs meeting the following conditions shall be permitted:

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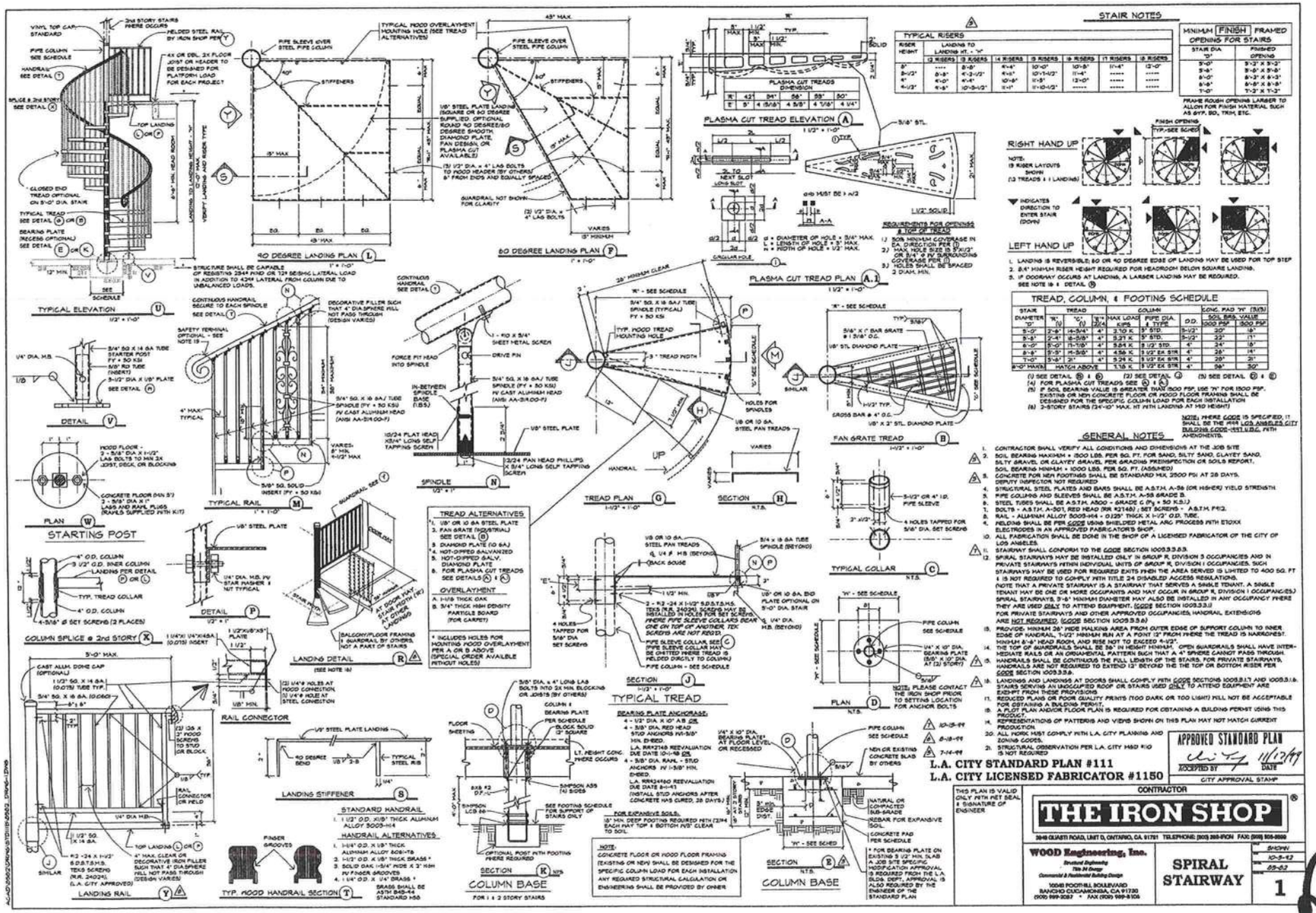

STAIR NOTES
TYPICAL RISERS
RISER HEIGHT
LANDING TO LANDING HT. "H"
MINIMUM FINISH FRAMED OPENINGS FOR STAIRS
STAIR DIA "D"
FINISHED OPENING
FRAME ROUGH OPENING LARGER TO ALLOW FOR FINISH MATERIAL SUCH AS GYP. BD., TRIM, ETC.
PLASMA CUT TREAD ELEVATION A
PLASMA CUT TREAD PLAN A.1
REQUIREMENTS FOR OPENINGS AT TOP OF TREAD
RIGHT HAND UP
LEFT HAND UP
INDICATES DIRECTION TO ENTER STAIR (DOWN)
TREAD, COLUMN, & FOOTING SCHEDULE
GENERAL NOTES
TYPICAL ELEVATION U
STARTING POST
DETAIL V
PLAN W
DETAIL P
COLUMN SPLICE @ 2nd STORY X
LANDING RAIL Y
RAIL CONNECTOR
LANDING STIFFENER S
STANDARD HANDRAIL
HANDRAIL ALTERNATIVES
TYP. HOOD HANDRAIL SECTION T
90 DEGREE LANDING PLAN L
60 DEGREE LANDING PLAN F
TYPICAL RAIL M
SPINDLE N
LANDING DETAIL R
TREAD ALTERNATIVES
OVERLAYMENT
TREAD PLAN G
SECTION H
FAN GRATE TREAD B
TYPICAL COLLAR C
SECTION J
TYPICAL TREAD
PLAN D
SECTION E
COLUMN BASE
SECTION K
COLUMN BASE
L.A. CITY STANDARD PLAN #111
L.A. CITY LICENSED FABRICATOR #1150
APPROVED STANDARD PLAN
CONTRACTOR
THE IRON SHOP
WOOD Engineering, Inc.
SPIRAL STAIRWAY
SHOWN
10-5-93
69-63
1

12 Floor Joist

DIETRICH METAL FRAMING

Dead Load:	10 psf
Live Load:	40 psf
Span Length:	20 Feet 1 Inch
Live Load Deflection:	L/360
Total Load Deflection:	L/240
Spacing On Center:	24"

Joist Member	Description	Size	Gauge	Flange
12"TDW16	TDW-5 TRADEREADY® JOIST-50K	12"	16	2"

Product Specification

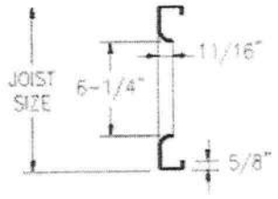
TradeReady® Joist

Product Code: TDW5
Depth: 12"
Flange: 2"
Lip: 5/8"
Yield Strength: 50
Gauge: 16
Design Thickness: 0.056"

SSMA Code: N/A
Weight/Foot: 3.118
Product Complies With:
A.I.S.I "Specification for the design of cold-formed steel structural members"
ASTM C-955

Gross Section Properties

Area: 0.953 **in.^2**
Moment of inertia about x axis (Ix): 17.677 **in.^4**
Moment of inertia about y axis (Iy): 0.394 **in.^4**
Section Modulus about x axis (Sx): 2.946 **in.^3**
Section Modulus about y axis (Sy): 0.243 **in.^3**
Distance between centroid and web centerline (X): 0.351 **in.**
Distance between centroid and shear center (Xo): -1.047 **in.**
St. Venant tortional constant (J): 0.001019 **in.^4**
Warping constant (Cw): 11.467 **in.^6**
Moment of inertia at knockout about x axis (Ix2): 16.981 **in.**



TRADE READY® JOIST 9-1/4" AND LARGER

Dietrich Metal Framing, Inc.
Corporate Headquarters 500 Grant Street/Suite 2226
Pittsburgh, PA 15219
Phone: (412)281.2805

Dietrich Design Group
1414 Field Street Building C
Hammond, IN 46320
Phone: (219)853.9474
Toll Free:1.800.USE.BIGD

13 Wall STUDS.

Framing Condition: Curtain Wall
Spacing Requirement: 12"
Lateral Load Capacity: 20
Deflection: L/360
Punched or Unpunched: Punched

Product Code	SSMA Code	Gauge	KSI	Width	Length
CSJ3	600S162-33	20	33	6"	15' 0"

Product Specification

Structural Stud

Product Code: CSJ
Depth: 6"
Flange: 1-5/8"
Lip: 1/2"
Yield Strength: 33
Gauge: 20
Design Thickness: 0.0346"

SSMA Code: 600S162-33
Weight/Foot: 1.132
Punched/Unpunched: P
Product Complies With:
A.I.S.I. Specification for the design of Cold-Formed Steel Structural Members
ASTM C-955
ASTM C-1007
ICBO 4784P*
See report for specific information.

Gross Section Properties

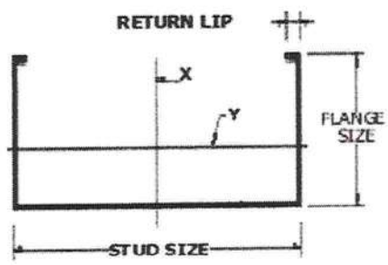
Area: 0.346 **in.^2**
Moment of inertia about x-x axis (Ix): 1.808 **in.^4**
Radius of gyration about x-x axis (Rx): 2.286 **in.**
Moment of inertia about y-y axis (Iy): 0.118**in.^4**
Radius of gyration about y-y axis (Ry): 0.583**in.**

Effective Section Properties

Fully Braced Allowable Moment (Mall): 11516**in/lbs.**
Moment of Inertia about x-x axis (IxEff): 1.808**in.^4**
Effective Section Modulus about x-x Axis (SxEff): 0.583**in.^3**

Torsional Section Properties

Distance between shear center and centroid (Xo): -1.088 **in.**
St. Venant torsional constant (Jx1000): 0.138
Warping torsional constant (Cw): 0.855
Polar radius of gyration about principal axis (Ro): 2.598**in.**
Beta Equals 1-(Xo/Ro)^2: 0.825



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FLORIDA BUILDING CODE, 2001

DESIGN PRESSURES FOR COMPONENTS & CLADDING

(VERSION 1.02)

BUILDING DATA	
Wind Velocity (mph)	110
Importance Factor	1.00
Exposure Category	B
Directionality Factor (kd)	0.85
Internal Pressure Coefficient ±	0.18
Mean Roof Height (ft)	23.00
Building Width (ft)	30.00
Building Length (ft)	32.00
Roof Slope (x:12)	8.00

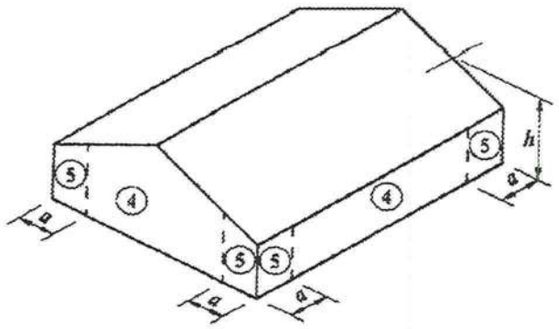
STRUCTURES INTERNATIONAL, LLC

JOB INFORMATION	
Company	LNCCinc
Prepared By	Paige Poole
Client Name	Dale Adams
Job Description	358 sw Locona loop Lake city florida
Job Number	permit number

WALL OPENINGS

FAQ

OPENING MARK	OPENING DESCRIPTION	LOCATION ZONE	OPENING ELEV. (ft)	OPENING DIMENSIONS WIDTH (inches)	OPENING DIMENSIONS HEIGHT (inches)	MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)
001	FRONT DOOR	5	0.00	36.0	84.0	**20.7**	**-27.0**
004	REAT DOOR	5	0.00	36.0	84.0	**20.7**	**-27.0**
ALL	TYPICAL WINDOWS	5	3.00	36.0	64.0	**21.1**	**-27.8**
ALL	METAL CLADDING	5	12.00	360.0	252.0	**15.9**	**-17.4**
						#VALUE!	**#VALUE!**



Width of End Zone (a) in feet = 3

PRODUCT APPROVAL SPECIFICATION SHEET

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	Pella.	Mtl. Clad. Wd	FL 4696
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Pella.	Painted Wd.	FL 4694
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Coastal Mtl.	29GA.	FL 4519.2.
B. SOFFITS	NA.		
C. STOREFRONTS	NA		
D. GLASS BLOCK	ND.		
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. ~~OTHER~~ Mtl. Roofing	Discount Direct	9" Rib. 26GA. Exp. Screws.	FL 4541.
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS Engineered	Stl. Frame -	Sealed Dwgs.	
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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.

Paige Poole
APPLICANT SIGNATURE

Aug 18, 2005
DATE

R-1305 01-04

Purlin

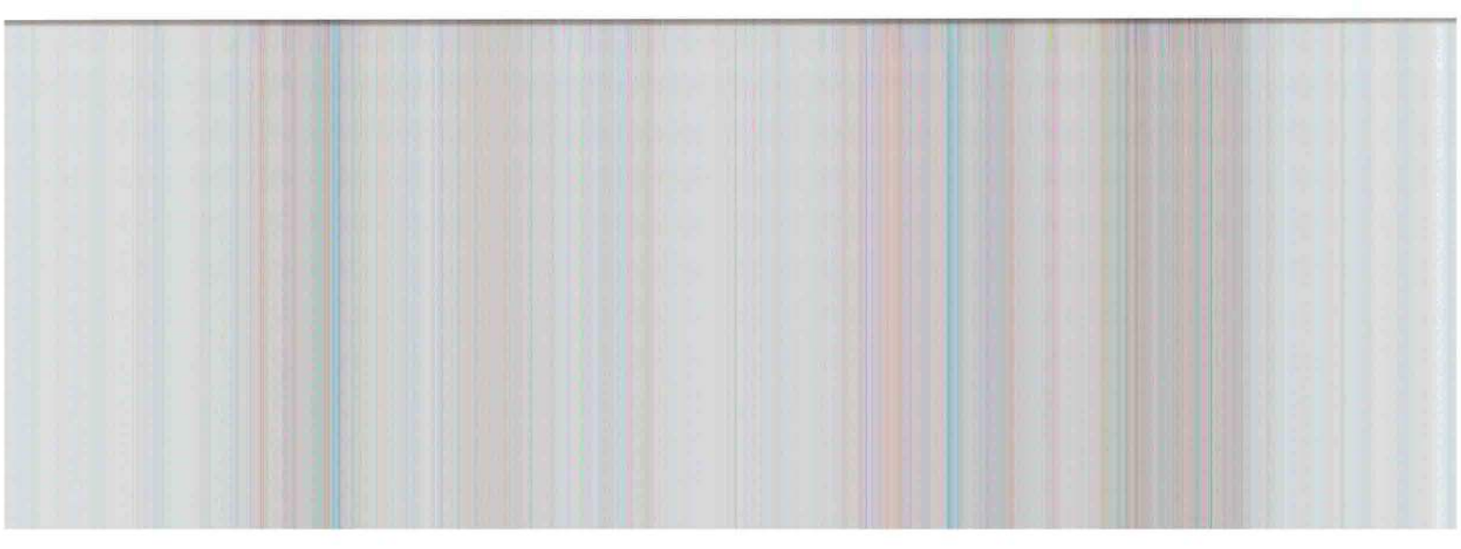
Roof Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005 : 7:25:10 PM

Project: HERITAGE - Location: PURLIN

Summary:

A36 C6x8.2 x 16.0 FT
Section Adequate By: 118.5% Controlling Factor: Moment

Deflections:			
Dead Load:	DLD=	0.25	IN
Live Load:	LLD=	0.19	IN = L/1031
Total Load:	TLD=	0.44	IN = L/439
Reactions (Each End):			
Live Load:	LL-Rxn=	384	LB
Dead Load:	DL-Rxn=	518	LB
Total Load:	TL-Rxn=	902	LB
Bearing Length Required (Beam only, Support capacity not checked):	BL=	0.81	IN
Beam Data:			
Span:	L=	16.0	FT
Maximum Unbraced Span:	Lu=	0.75	FT
Pitch Of Roof:	RP=	12	: 12
Live Load Deflect. Criteria:	L/	240	
Total Load Deflect. Criteria:	L/	180	
Non-Snow Live Load:			
Roof Loaded Area:	RLA=	64.0	SF
Roof Loading:			
Roof Live Load-Side One:	LL1=	12.0	PSF
Roof Dead Load-Side One:	DL1=	10.0	PSF
Tributary Width-Side One:	TW1=	2.0	FT
Roof Live Load-Side Two:	LL2=	12.0	PSF
Roof Dead Load-Side Two:	DL2=	10.0	PSF
Tributary Width-Side Two:	TW2=	2.0	FT
Beam Self Weight:	BSW=	8	PLF
Slope/Pitch Adjusted Lengths and Loads:			
Adjusted Beam Length:	Ladj=	16.0	FT
Beam Uniform Live Load:	wL=	48	PLF
Beam Uniform Dead Load:	wD_adj=	65	PLF
Total Uniform Load:	wT=	113	PLF
Properties for: C6x8.2/A36			
Yield Stress:	Fy=	36	KSI
Modulus of Elasticity:	E=	29000	KSI
Depth:	d=	6.00	IN
Web Thickness:	tw=	0.20	IN
Flange Width:	bf=	1.92	IN
Flange Thickness:	tf=	0.34	IN
Distance to Web Toe of Fillet:	k=	0.81	IN
Moment of Inertia About X-X Axis:	Ix=	13.10	IN4
Section Modulus About X-X Axis:	Sx=	4.38	IN3
Design Properties per AISC Steel Construction Manual:			
Flange Buckling Ratio:	FBR=	2.80	
Allowable Flange Buckling Ratio:	AFBR=	10.83	
Web Buckling Ratio:	WBR=	30.00	
Allowable Web Buckling Ratio:	AWBR=	106.67	
Controlling Unbraced Length:	Lb=	0.75	FT
Limiting Unbraced Length for Fb=.6*Fy w/ Cb:	Lu=	5.08	FT
Moment Gradient Bending Coefficient:	Cb=	1.0	
Allowable Bending Stress:	Fb=	21.6	KSI
Web Height to Thickness Ratio:	h/tw=	26.57	
Limiting Web Height to Thickness Ratio for Fv=.4*Fy:	h/tw-Limit=	63.33	
Allowable Shear Stress:	Fv=	14.4	KSI
Design Requirements Comparison:			
Controlling Moment:	M=	3609	FT-LB
Nominal Moment Strength:	Mr=	7884	FT-LB
Controlling Shear:	V=	902	LB
Nominal Shear Strength:	Vr=	17280	LB
Moment of Inertia (Deflection):	Ireq=	5.37	IN4
	I=	13.10	IN4



Roof Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005

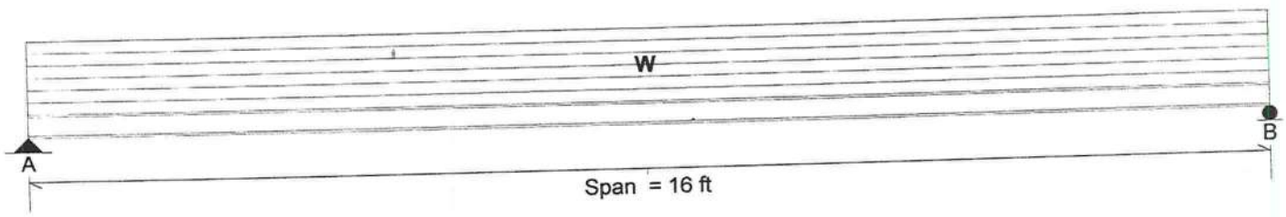
Project: HERITAGE - Location: PURLIN

Summary:

A36 C6x8.2 x 16.0 FT

Section Adequate By: 118.5% Controlling Factor: Moment

LOADING DIAGRAM



Reactions

	Live Load	Dead Load	Total Load	Uplift Load
A	384 Lb	518 Lb	902 Lb	0 Lb
B	384 Lb	518 Lb	902 Lb	0 Lb

Span

Uniform Loading

	Live Load	Dead Load	Self Weight	Total Load
W	48 Plf	57 Plf	8 Plf	113 Plf

Roof Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005

Project: HERITAGE - Location: PURLIN

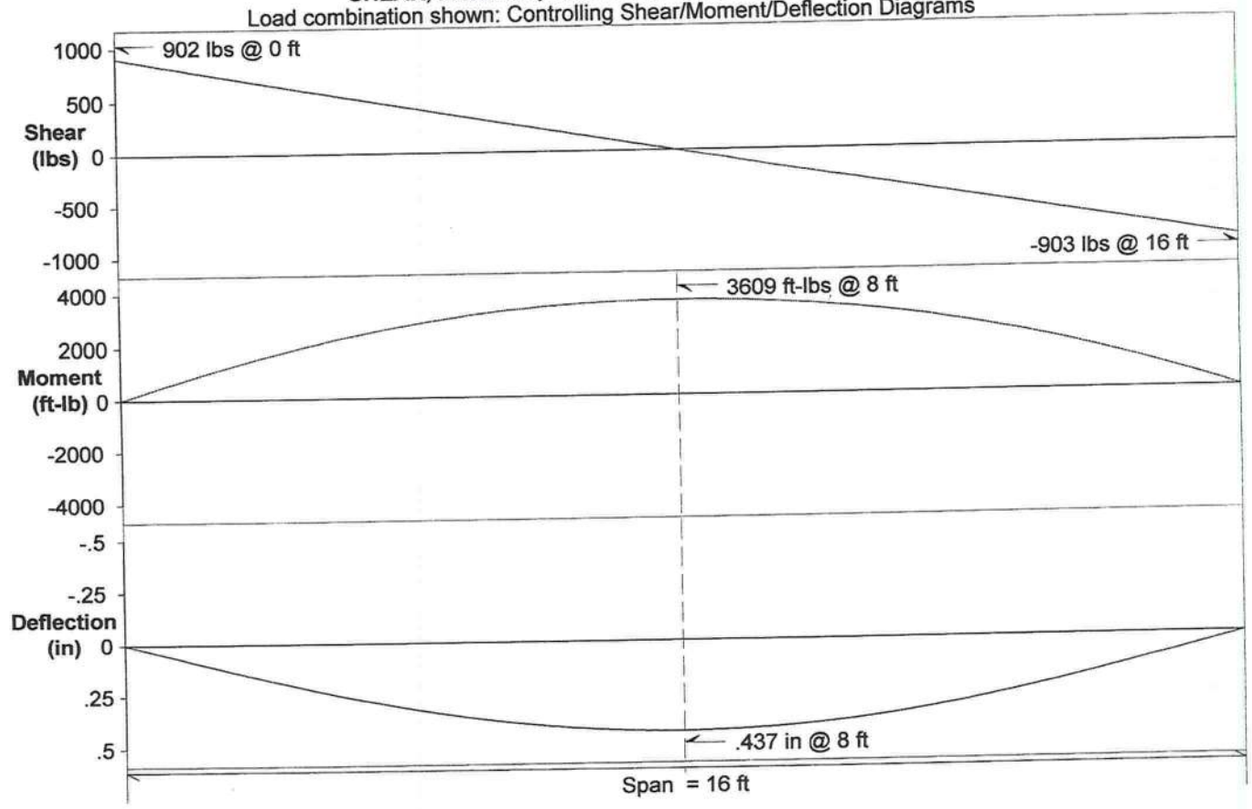
Summary:

A36 C6x8.2 x 16.0 FT

Section Adequate By: 118.5% Controlling Factor: Moment

SHEAR, MOMENT, AND DEFLECTION DIAGRAMS

Load combination shown: Controlling Shear/Moment/Deflection Diagrams



Controlling Load Cases:

Shear: Critical shear created by combining all dead and live loads.

Moment: Critical moment created by combining all dead and live loads.

Deflection: Critical deflection created by combining all dead and live loads.

Main Frame.

Roof Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005 : 7:13:14 PM

Project: HERITAGE - Location: center structural bent

Summary:
A36 W6x20 x 15.0 FT (Actual 21.9 FT)
Section Adequate By: 6.0% Controlling Factor: Moment of Inertia

Deflections:			
Dead Load:	DLD=	0.73	IN
Live Load:	LLD=	0.65	IN = L/406
Total Load:	TLD=	1.38	IN = L/191
Reactions (Each End):			
Live Load:	LL-Rxn=	1641	LB
Dead Load:	DL-Rxn=	1847	LB
Total Load:	TL-Rxn=	3489	LB
Bearing Length Required (Beam only, Support capacity not checked):	BL=	0.75	IN
Beam Data:			
Span:	L=	15.0	FT
Maximum Unbraced Span:	Lu=	4.0	FT
Beam End Elevation Diff.:	EL=	16.0	FT
Pitch Of Roof:	RP=	12	: 12
Live Load Deflect. Criteria:	L/	240	
Total Load Deflect. Criteria:	L/	180	
Roof Loading:			
Roof Live Load-Side One:	LL1=	20.0	PSF
Roof Dead Load-Side One:	DL1=	10.0	PSF
Tributary Width-Side One:	TW1=	8.0	FT
Roof Live Load-Side Two:	LL2=	20.0	PSF
Roof Dead Load-Side Two:	DL2=	10.0	PSF
Tributary Width-Side Two:	TW2=	8.0	FT
Beam Self Weight:	BSW=	29	PLF
Slope/Pitch Adjusted Lengths and Loads:			
Adjusted Beam Length:	Ladj=	21.93	FT
Beam Uniform Live Load:	wL=	150	PLF
Beam Uniform Dead Load:	wD_adj=	168	PLF
Total Uniform Load:	wT=	318	PLF
Properties for: W6x20/A36			
Yield Stress:	Fy=	36	KSI
Modulus of Elasticity:	E=	29000	KSI
Depth:	d=	6.20	IN
Web Thickness:	tw=	0.26	IN
Flange Width:	bf=	6.02	IN
Flange Thickness:	tf=	0.37	IN
Distance to Web Toe of Fillet:	k=	0.75	IN
Moment of Inertia About X-X Axis:	Ix=	41.40	IN4
Section Modulus About X-X Axis:	Sx=	13.40	IN3
Radius of Gyration of Compression Flange + 1/3 of Web:	rt=	1.64	IN
Design Properties per AISC Steel Construction Manual:			
Flange Buckling Ratio:	FBR=	8.25	
Allowable Flange Buckling Ratio:	AFBR=	10.83	
Web Buckling Ratio:	WBR=	23.85	
Allowable Web Buckling Ratio:	AWBR=	106.67	
Controlling Unbraced Length:	Lb=	4.0	FT
Limiting Unbraced Length for Fb=.66*Fy:	Lc=	6.35	FT
Allowable Bending Stress:	Fb=	23.76	KSI
Web Height to Thickness Ratio:	h/tw=	21.04	
Limiting Web Height to Thickness Ratio for Fv=.4*Fy:	h/tw-Limit=	63.33	
Allowable Shear Stress:	Fv=	14.4	KSI
Design Requirements Comparison:			
Controlling Moment:	M=	19127	FT-LB
Nominal Moment Strength:	Mr=	26532	FT-LB
Controlling Shear:	V=	3489	LB
Nominal Shear Strength:	Vr=	23213	LB
Moment of Inertia (Deflection):	Ireq=	39.05	IN4
	I=	41.40	IN4

Roof Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005

Project: HERITAGE - Location: center structural bent

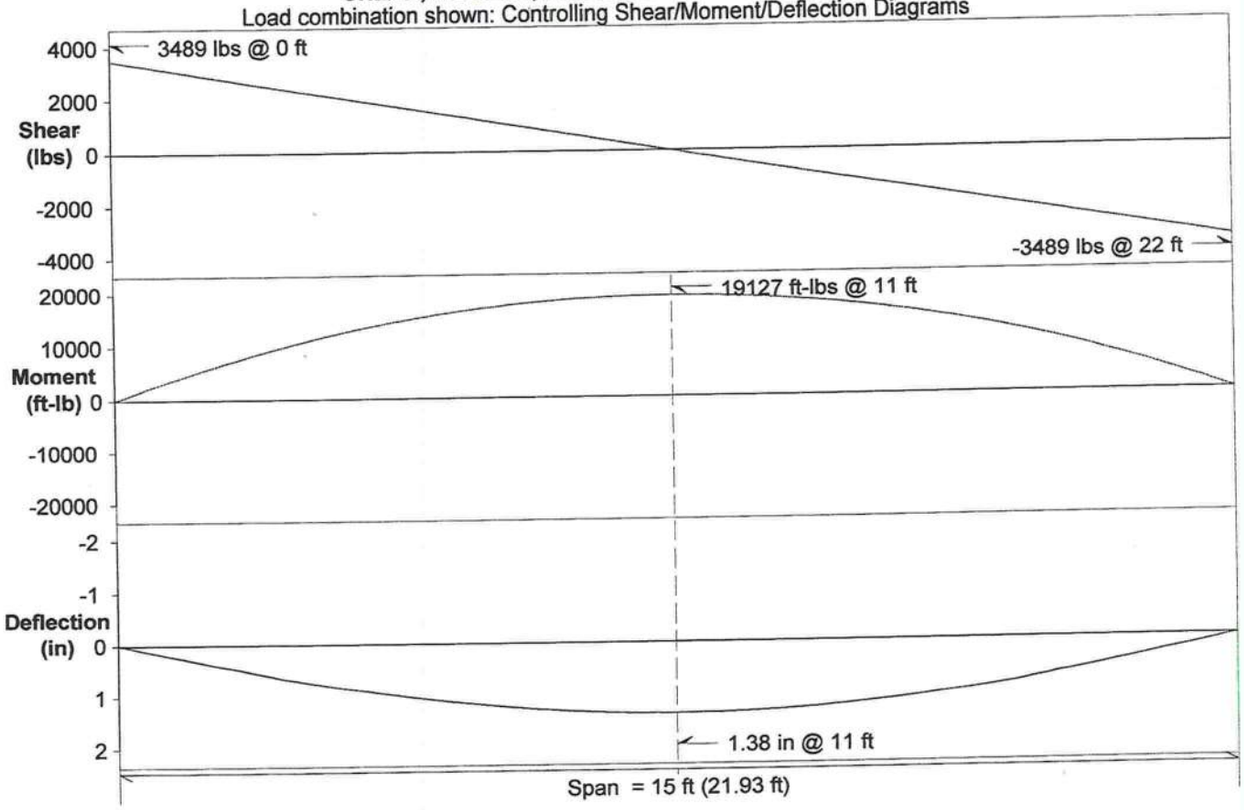
Summary:

A36 W6x20 x 15.0 FT (Actual 21.9 FT)

Section Adequate By: 6.0% Controlling Factor: Moment of Inertia

SHEAR, MOMENT, AND DEFLECTION DIAGRAMS

Load combination shown: Controlling Shear/Moment/Deflection Diagrams



Controlling Load Cases:

Shear: Critical shear created by combining all dead and live loads.

Moment: Critical moment created by combining all dead and live loads.

Deflection: Critical deflection created by combining all dead and live loads.

2ND FL Joist

Uniformly Loaded Floor Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005 : 7:12:10 PM

Project: HERITAGE - Location: loft floor joist

Summary:
A36 C6x8.2 x 19.0 FT
Section Adequate By: 25.4% Controlling Factor: Moment of Inertia

Deflections:			
Dead Load:	DLD=	0.29	IN
Live Load:	LLD=	0.46	IN = L/492
Total Load:	TLD=	0.76	IN = L/301
Reactions (Each End):			
Live Load:	LL-Rxn=	570	LB
Dead Load:	DL-Rxn=	363	LB
Total Load:	TL-Rxn=	933	LB
Bearing Length Required (Beam only, Support capacity not checked):	BL=	0.81	IN
Beam Data:			
Span:	L=	19.0	FT
Unbraced Length-Top of Beam:	Lu=	0.0	FT
Live Load Deflect. Criteria:	L/	360	
Total Load Deflect. Criteria:	L/	240	
Floor Loading:			
Floor Live Load-Side One:	LL1=	30.0	PSF
Floor Dead Load-Side One:	DL1=	15.0	PSF
Tributary Width-Side One:	TW1=	1.0	FT
Floor Live Load-Side Two:	LL2=	30.0	PSF
Floor Dead Load-Side Two:	DL2=	15.0	PSF
Tributary Width-Side Two:	TW2=	1.0	FT
Wall Load:	WALL=	0	PLF
Beam Loading:			
Beam Total Live Load:	wL=	60	PLF
Beam Self Weight:	BSW=	8	PLF
Beam Total Dead Load:	wD=	38	PLF
Total Maximum Load:	wT=	98	PLF
Properties for: C6x8.2/A36			
Yield Stress:	Fy=	36	KSI
Modulus of Elasticity:	E=	29000	KSI
Depth:	d=	6.00	IN
Web Thickness:	tw=	0.20	IN
Flange Width:	bf=	1.92	IN
Flange Thickness:	tf=	0.34	IN
Distance to Web Toe of Fillet:	k=	0.81	IN
Moment of Inertia About X-X Axis:	Ix=	13.10	IN4
Section Modulus About X-X Axis:	Sx=	4.38	IN3
Design Properties per AISC Steel Construction Manual:			
Flange Buckling Ratio:	FBR=	2.80	
Allowable Flange Buckling Ratio:	AFBR=	10.83	
Web Buckling Ratio:	WBR=	30.00	
Allowable Web Buckling Ratio:	AWBR=	106.67	
Controlling Unbraced Length:	Lb=	0.0	FT
Limiting Unbraced Length for Fb=.6*Fy w/ Cb:	Lu=	5.08	FT
Moment Gradient Bending Coefficient:	Cb=	1.0	
Allowable Bending Stress:	Fb=	21.6	KSI
Web Height to Thickness Ratio:	h/tw=	26.57	
Limiting Web Height to Thickness Ratio for Fv=.4*Fy:	h/tw-Limit=	63.33	
Allowable Shear Stress:	Fv=	14.4	KSI
Design Requirements Comparison:			
Controlling Moment:	M=	4431	FT-LB
Nominal Moment Strength:	Mr=	7884	FT-LB
Controlling Shear:	V=	933	LB
Nominal Shear Strength:	Vr=	17280	LB
Moment of Inertia (Deflection):	Ireq=	10.45	IN4
	I=	13.10	IN4

Uniformly Loaded Floor Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005

Project: HERITAGE - Location: loft floor joist

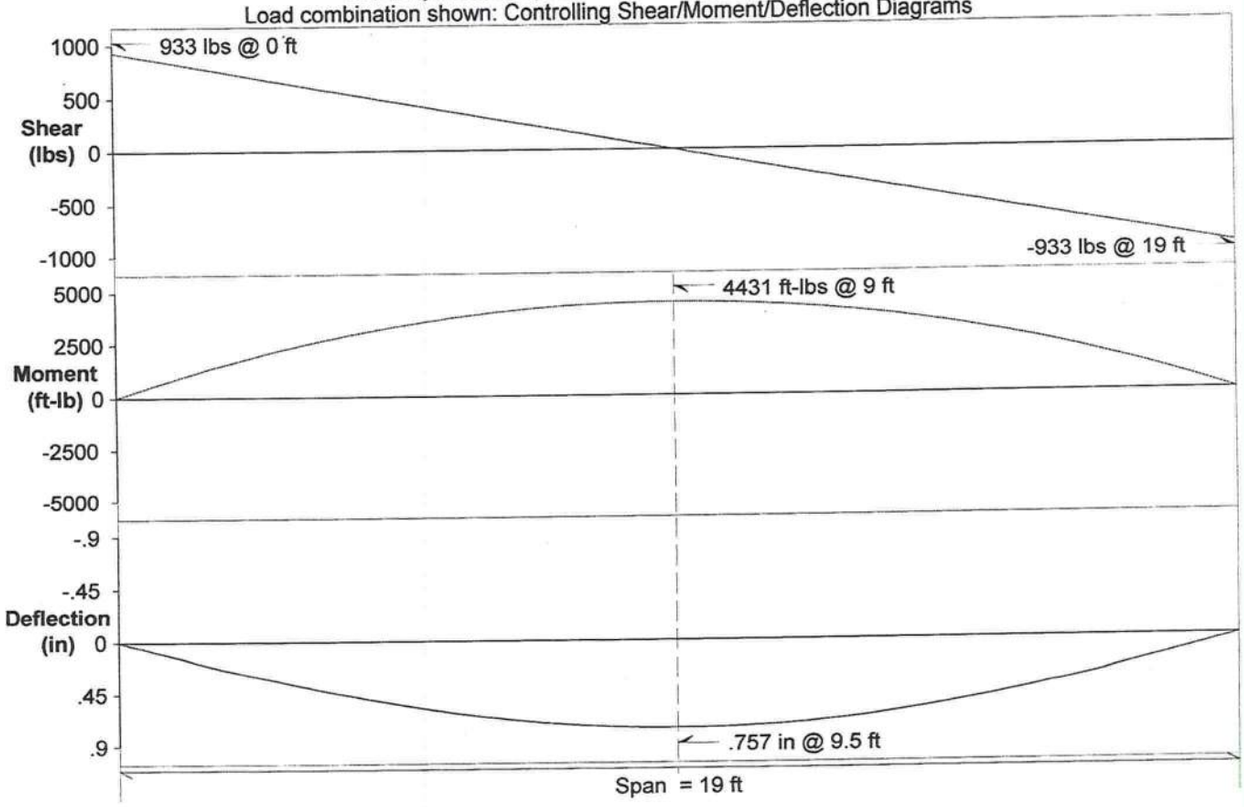
Summary:

A36 C6x8.2 x 19.0 FT

Section Adequate By: 25.4% Controlling Factor: Moment of Inertia

SHEAR, MOMENT, AND DEFLECTION DIAGRAMS

Load combination shown: Controlling Shear/Moment/Deflection Diagrams



Controlling Load Cases:

Shear: Critical shear created by combining all dead and live loads.

Moment: Critical moment created by combining all dead and live loads.

Deflection: Critical deflection created by combining all dead and live loads.

Uniformly Loaded Floor Beam[AISC 9th Ed ASD] Ver: 5.07
By: Paige Poole Architect , PaigePooleArchitect on: 08-16-2005

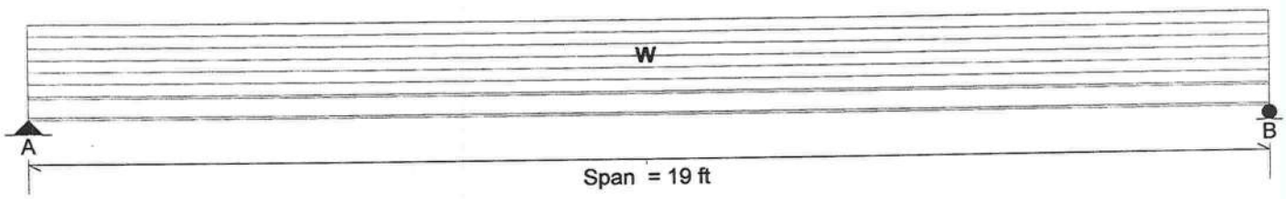
Project: HERITAGE - Location: loft floor joist

Summary:

A36 C6x8.2 x 19.0 FT

Section Adequate By: 25.4% Controlling Factor: Moment of Inertia

LOADING DIAGRAM



Reactions

	Live Load	Dead Load	Total Load	Uplift Load
A	570 Lb	363 Lb	933 Lb	0 Lb
B	570 Lb	363 Lb	933 Lb	0 Lb

Span

Uniform Loading

	Live Load	Dead Load	Self Weight	Total Load
W	60 Plf	30 Plf	8 Plf	98 Plf

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 02-6S-15-00502-121 **Building permit No.** 000023769

Use Classification SFD,UTILITY **Fire:** 35.52

Permit Holder LINDA NEWMAN **Waste:** 73.50

Owner of Building DALE ADAMS **Total:** 109.02

Location: 358 SW LONCALA LOOP(ICHETUCKNEE FOREST,LOT 21)

Date: 04/05/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Permit 23769

UNIVERSAL
ENGINEERING SCIENCES
Consultants in: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing
4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

CLIENT: Lyndo Newman (Columbia Co.) Permit # 000023769
PROJECT: Timbuktoo Forest (Ft. White)
(358 S.W. Lonesome Loop)
AREA TESTED: Fill & prop. bldg. pad & Road
COURSE: F/G DEPTH OF TEST: 0-1
TYPE OF TEST: ASTMD 2922 DATE TESTED: 11-7-05
NOTE: The below tests (DO)/DO NOT meet the minimum 95 % compaction requirements of maximum density.
REMARKS:

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		107.1			10.8
App. sta. of pad	102.8		96.0	4.4	
App. sta. of W. Road	102.7		95.9	5.0	
App. sta. of E Road	102.4		95.6	4.6	

TECH. DM

4404

Notice of Treatment 40146

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 116 NW 16 AVE
City GVILLE Phone 376-2661

Site Location: Subdivision
Lot # Block# Permit # 23769
Address 358 SW LONCALA LOOP

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
PERIMETER		963	20

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

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

4/3/06 Date | 1020 Time | BLE Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©