

Columbia County Building Permit Application

For Office Use Only Application # 0710-11 Date Received 10/3/07 By LH Permit # 26324
 Application Approved by - Zoning Official BLK Date 08.10.07 Plans Examiner OKJTH Date 10-9-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A3
 Comments ✓ wall return
☒ NOC ☒ DEH ☐ Deed or PA ☒ Site Plan ☒ State Road Info ☐ Parent Parcel # ☐ Development Permit
 Name Authorized Person Signing Permit HANS DINDIAL Phone _____
 Address 120 TEMPLE Ln, DURHAM, NORTH CAROLINA, 27713
 Owners Name HANS DINDIAL Phone 919-672-1613
 911 Address 555 SW LAUMAN Glen, Ft. White, FL 32038
 Contractors Name SAME AS ABOVE Phone 919-672-1613
 Address SAME..
 Fee Simple Owner Name & Address SAME..
 Bonding Co. Name & Address NONE
 Architect/Engineer Name & Address _____
 Mortgage Lenders Name & Address (LAND) FARM CREDIT, 12300 Hwy 441, ALACHUA, FL 32615
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 09-GS-16-03804-109 Estimated Cost of Construction \$20,000
 Subdivision Name DOE RUN (UNREC) Lot 9 Block _____ Unit _____ Phase _____
 Driving Directions SOUTH 47 / RIGHT ON Cr. 238 / RIGHT ON CENTERVILLE Rd / 1/2 mi ON CENTERVILLE / RIGHT ON LAUMAN GLEN / 1/2 mi LOT #9 ON LEFT.
(6th on left)
 Type of Construction BARN WITH TEMP. DWELLING Number of Existing Dwellings on Property 0
 Total Acreage 10 Lot Size 420x1025 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 600' Side 160' Side 212' Rear 390'
 Total Building Height 18' Number of Stories 1 1/2 Heated Floor Area 5760ft² Roof Pitch 3/12
70746 2160 (1656-Concrete)

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 COMMENCEMENT 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.

Hans Dindial
 Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me
 this 15 day of May 2005.
 Personally known _____ or Produced Identification ✓

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

Laurie Hodson
 Notary Signature (Revised Sept. 2006)

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed 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 contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. 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. You 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 your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling
☐ Farm Outbuilding

- ☐ Two-Family Residence
☐ Other BARN WITH LIVING SPACE

NEW CONSTRUCTION OR IMPROVEMENT

☒ New Construction

☐ Addition, Alteration, Modification or other Improvement

I HANS DINDIAL, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Hans Dindial 5/14/07
Owner Builder Signature Date

The above signer is personally known to me or produced identification FL DL



Notary Signature [Signature] Date 5-15-07

(Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

PREPARED BY AND RETURN TO:

TERRY McDAVID 07-120
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number R03804-109

Inst:2007007995 Date:04/09/2007 Time:16:20

Doc Stamp-Deed : 693.00

DC, P. Dewitt Cason, Columbia County B:1115 P:2688

WARRANTY DEED

This Warranty Deed, made this 4th day of April, 2007, BETWEEN SCOTT RUSSELL and ELLEN L. RUSSELL, Husband and Wife whose post office address is 15811 North Wind Circle, Sunrise, Florida 33326, grantor*, and HANS WALTER DINDIAL and MARY SHAUN BINGHAM-DINDIAL, Husband and Wife, whose post office address is 120 Temple Lane, Durham, NC 27713, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

See Exhibit "A" attached hereto and made a part hereof.


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

To Have and to Hold, the same in fee simple forever.


And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:


(Signature of First Witness)
Andrew Kelson
(Typed Name of First Witness)

 (SEAL)
SCOTT RUSSELL


(Signature of Second Witness)
Luis Ferrer
(Typed Name of Second Witness)

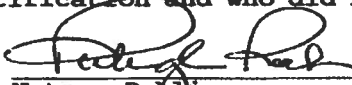
 (SEAL)
ELLEN L. RUSSELL

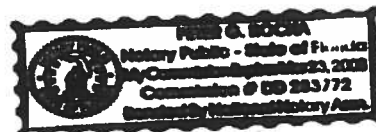
Inst:2007007995 Date:04/09/2007 Time:16:20
Doc Stamp-Deed : 693.00
DC,P.Dewitt Cason,Columbia County B:1115 P:2689

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 4th day of April, 2007, by SCOTT RUSSELL and ELLEN L. RUSSELL, Husband and Wife, who is/are personally known to me or who has/have produced _____ as identification and who did not take an oath.

My Commission Expires:


Notary Public
Printed, typed, or stamped name:



Schedule "A"

Lot 9

Part of the NW 1/4 of Section 9, Township 6 South, Range 16 East, Columbia County, Florida, more particularly described as follows:

Commence at the NW corner of said NW 1/4; thence S 00 degrees 37'13" East along the West line of said NW 1/4, a distance of 540.00 feet; thence N 88 degrees 40'57" East 545.00 feet; thence S 00 degrees 37'13" East, 1072.79 feet; thence N 88 degrees 41'00" East, 1685.64 feet to the Point of Beginning; thence continue N 88 degrees 41'00" East 421.41 feet to a point on the East line of said NW 1/4; thence S 00 degrees 29'08" East along said East line 1035.90 feet to the SE corner of said NW 1/4; thence S 88 degrees 40'57" West along the South line of said NW 1/4 a distance of 420.93 feet; thence N 00 degrees 30'45" West 1035.90 feet to the Point of Beginning, Columbia County, Florida.

Subject to an easement over and across the South 15.00 feet of the above described parcel.

Together with an easement for ingress and egress described as follows:

A strip of land 60.00 feet wide for ingress and egress described as follows:

The North 60.00 feet of the West 545.00 feet of the SW 1/4 of Section 9, Township 6 South, Range 16 East, less existing right of way of Lazy Oak Road and the South 15.00 feet of the NW 1/4 of said Section 9, less the West 545.00 feet thereof and the North 45.00 feet of the SW 1/4 of said Section 9, less the West 545.00 feet thereof and the North 60.00 feet of the NW 1/4 of SE 1/4 of Section 9 less the East 495.13 feet, Columbia County, Florida,

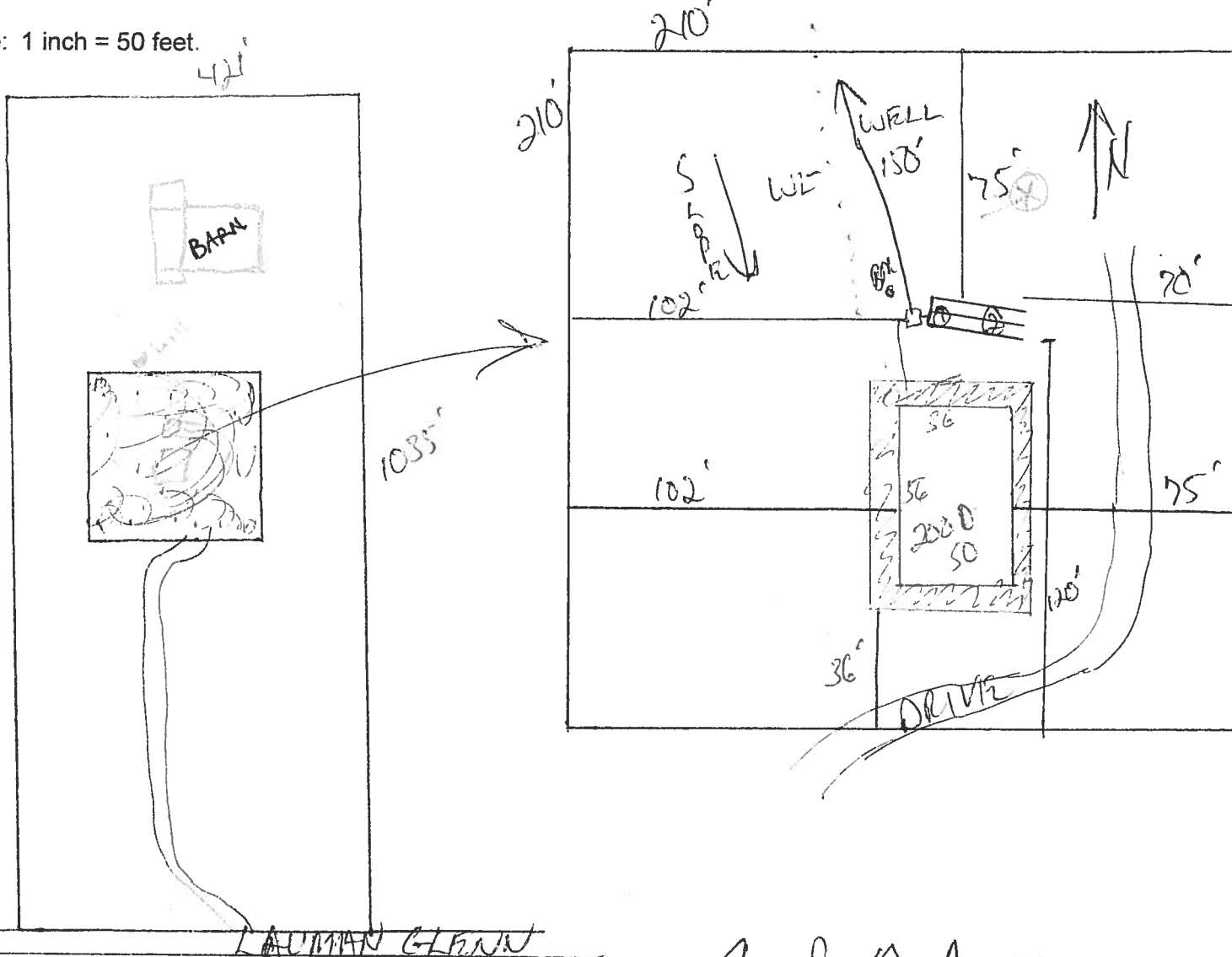
The above described lands are to form a 60.00 foot wide corridor for ingress and egress from the East right of way line of Lazy Oak Road to the West line of the East 495.14 feet of the NW 1/4 of SE 1/4 of said Section 9.

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

Permit Application Number 07-0376

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

Scale: 1 inch = 50 feet.



Notes: 1 of 10 Acres

Site Plan submitted by: Rock D 7-0 MASTER CONTRACTOR
Plan Approved ☒ Not Approved ☐ Date 5/9/07
By MA & LA Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

4

+

"F"

#

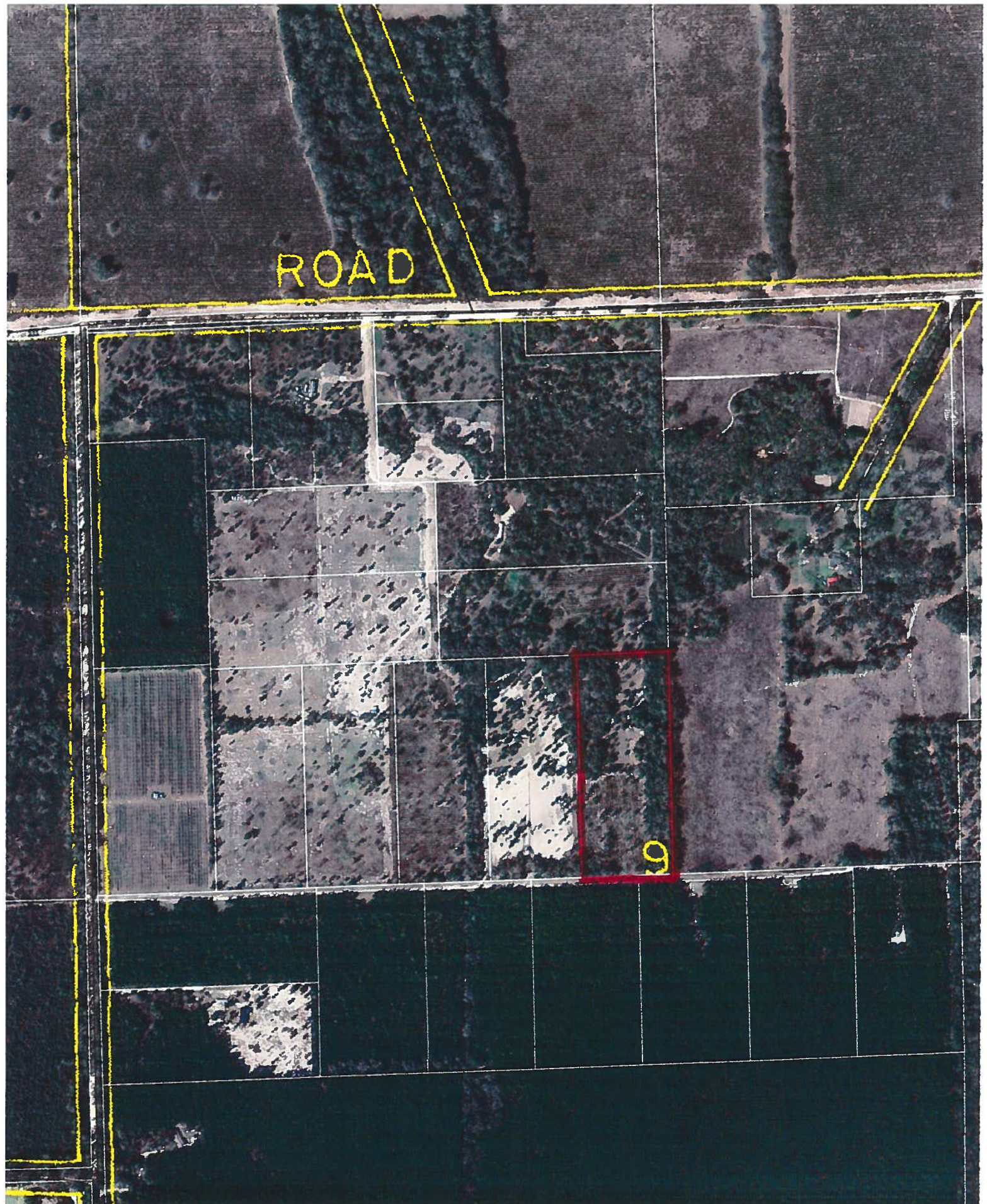
BARN WITH
TEMPORARY
LIVING SPACE

Pg 1

NEW ORIENTATION

2.

LAUMAN GLEN



0710-11

5

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 5/29/2007 DATE ISSUED: 5/30/2007

ENHANCED 9-1-1 ADDRESS:

555 SW LAUMAN GLN

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

09-6S-16-03804-109

Remarks:

LOT 9 DOE RUN S/D UNREC

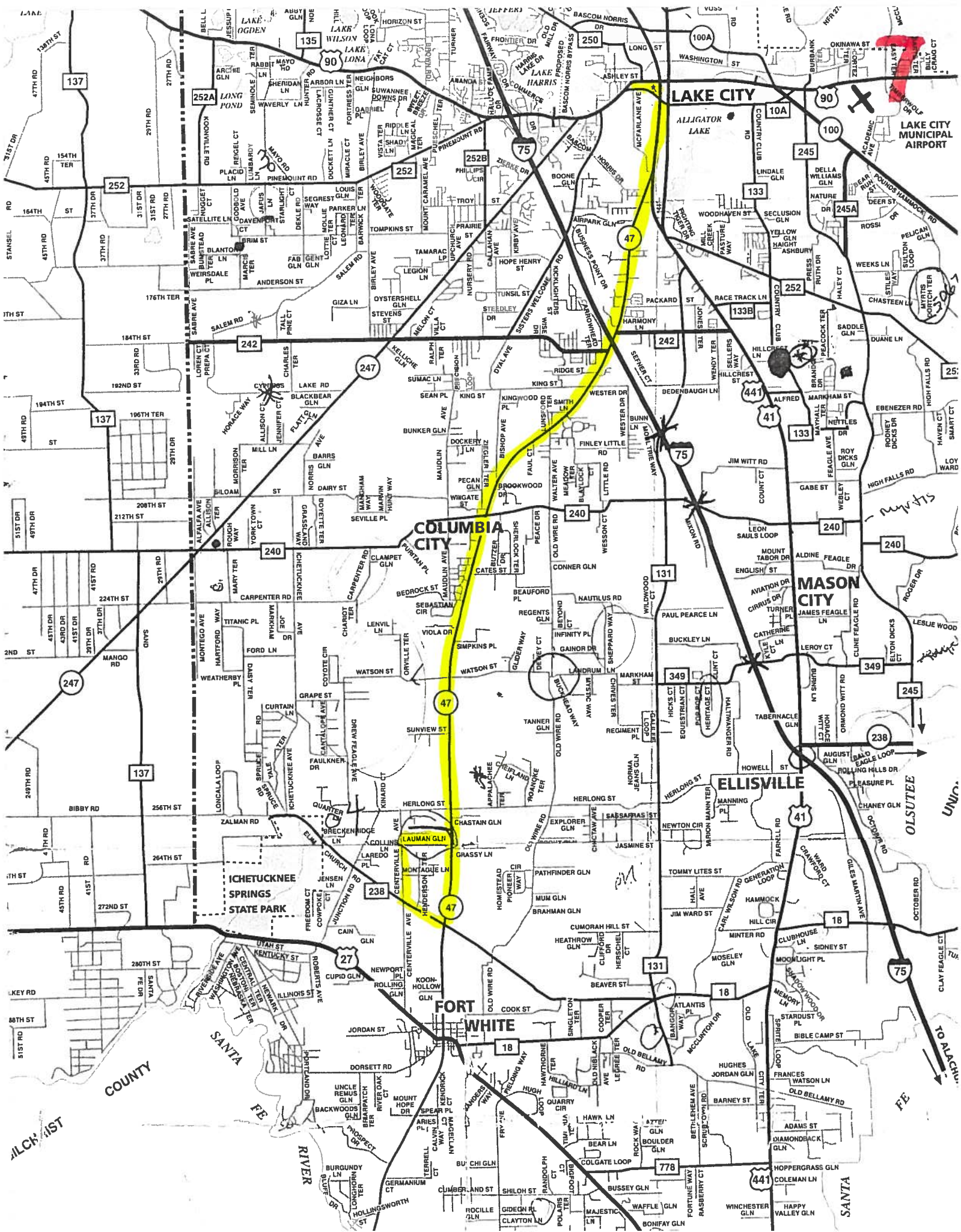
Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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

775



WELL 8 LETTER

**HUGHES WELL DRILLING
& PUMP SERVICE**
12367 N. US HIGHWAY 441
LAKE CITY, FLORIDA 32055
(386) 752-1840

CUSTOMER'S ORDER NO.		PHONE		DATE	
		919-672-1813		5-7-07	
NAME					
HANS DINDIAL					
ADDRESS					
LAUMAN BLVD, FORT WHITE					
SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT	MDSE RETD.
QTY.	DESCRIPTION				PRICE
1	4" DEEP WELL				
1	1 HP. SUB. PUMP				
1	82 GAL. BLADE-TANK				
	TOTAL				\$2800.00
	UP TO 100'				
	ALL DRILLING OVER 100'				
	AT \$10.00 ALL 4" STEEL				
	CASING OVER 100' AT 10'				
	PAID DOWN \$1400.00				
RECEIVED BY					TOTAL
CK # 102					\$1400.00
					6/6/07
					Bal. due
					\$1400
					Pd # 112

All claims and returned goods MUST be accompanied by this bill.

2614

To Floorer:
800-225-6380 or neba.com

Thank You

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 09-65-16-03804-109

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 9 DOE RUN S-DIV (unrec.) FT. WHITE, COLUMBIA Co.
a) Street (job) Address: 555 SW LAUMAN GLN, FT. WHITE, FL 32038
2. General description of improvements: POLE BARN WITH TEMP. DWELLING
3. Owner Information
a) Name and address: HANS DINDIAL, 4606 NW, 108th ST, G'VILLE, FL 32606
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property OWNER
4. Contractor Information
a) Name and address: HANS DINDIAL, 4606 NW, 108th ST, G'VILLE, FL 32606
b) Telephone No.: 352-332-7706 Fax No. (Opt.) MOBILE 919-672-1613
5. Surety Information
a) Name and address: N/A
b) Amount of Bond: _____
c) Telephone No.: _____
6. Lender
a) Name and address: N/A
b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: N/A
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address: N/A
b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): ONE YEAR

Inst: 200712022339 Date: 10/3/2007 Time: 3:14 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1

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

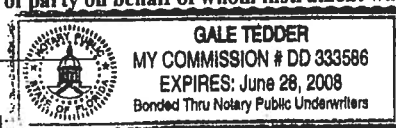
10. Hans Dindial
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
HANS DINDIAL
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 3rd day of October, 2007, by:
Hans Dindial as owner (type of authority, e.g. officer, trustee, attorney
fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification ? Type DL

Notary Signature Gale Tedder

Notary Stamp or Seal:



—AND—

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

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

11/12

Project Name: **Hans Dindial**
Address:
City, State: **, FL**
Owner: **Barn**
Climate Zone: **North**

Builder:
Permitting Office:
Permit Number:
Jurisdiction Number:

Owner

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) 720 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
(or Single or Double DEFAULT) 7a. (Dble Default) 98.0 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 98.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=5.0, 96.0(p) ft ☐
 - b. Raised Wood, Adjacent R=5.0, 432.0ft² ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1590.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 720.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts(Leak Free)
 - a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 12.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 21.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 21.0 kBtu/hr
HSPF: 7.70 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons
EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits PT, ☐

(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.14

Total as-built points: 11122

Total base points: 11720

PASS

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

PREPARED BY: *[Signature]*

DATE: 7-25-07

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

OWNER/AGENT: _____

DATE: _____

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: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X			SOF = Points	
.18	720.0	18.59	2409.0	1.Double, Clear	W	39.5	10.0	20.0	38.52	0.37	288.0
				2.Double, Clear	N	1.5	10.0	9.0	19.20	0.98	169.0
				3.Double, Clear	S	1.5	10.0	15.0	35.87	0.96	516.0
				4.Double, Clear	N	1.5	8.0	16.0	19.20	0.97	297.0
				5.Double, Clear	E	1.5	8.0	32.0	42.06	0.96	1288.0
				6.Double, Clear	S	1.5	8.0	6.0	35.87	0.92	198.0
				As-Built Total:				98.0		2756.0	
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM		= Points
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior		13.0		1590.0	1.50		2385.0
Exterior	1590.0	1.70	2703.0								
Base Total:		1590.0		2703.0		As-Built Total:		1590.0		2385.0	
DOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM		= Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				40.0	4.10		164.0
Exterior	40.0	6.10	244.0								
Base Total:		40.0		244.0		As-Built Total:		40.0		164.0	
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM		= Points
Under Attic	720.0	1.73	1245.6	1. Under Attic		30.0		720.0	1.73 X 1.00		1245.6
Base Total:		720.0		1245.6		As-Built Total:		720.0		1245.6	
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM		= Points
Slab	96.0(p)	-37.0	-3552.0	1. Slab-On-Grade Edge Insulation		5.0		96.0(p)	-36.20		-3475.2
Raised	432.0	-3.99	-1723.7	2. Raised Wood, Adjacent		5.0		432.0	1.20		518.4
Base Total:		-5275.7		As-Built Total:				528.0		-2956.8	
INFILTRATION				Area X BSPM = Points				Area X SPM		= Points	
		720.0	10.21	7351.2				720.0	10.21	7351.2	

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 8677.1				Summer As-Built Points: 10945.0						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
8677.1	0.3250		2820.1	(sys 1: Central Unit 21000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 10945	1.00	(1.09 x 1.000 x 1.00)	0.260	0.950		2946.7
				10945.0	1.00	1.090	0.260	0.950		2946.7

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	720.0	20.17	2614.0	1.Double, Clear	W	39.5	10.0	20.0	20.73	1.24	513.0
				2.Double, Clear	N	1.5	10.0	9.0	24.58	1.00	221.0
				3.Double, Clear	S	1.5	10.0	15.0	13.30	1.01	201.0
				4.Double, Clear	N	1.5	8.0	16.0	24.58	1.00	393.0
				5.Double, Clear	E	1.5	8.0	32.0	18.79	1.02	613.0
				6.Double, Clear	S	1.5	8.0	6.0	13.30	1.04	83.0
				As-Built Total:		98.0			2024.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0		1590.0		3.40		5406.0
Exterior	1590.0	3.70	5883.0								
Base Total: 1590.0 5883.0				As-Built Total:		1590.0			5406.0		
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			40.0		8.40		336.0
Exterior	40.0	12.30	492.0								
Base Total: 40.0 492.0				As-Built Total:		40.0			336.0		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	720.0	2.05	1476.0	1. Under Attic	30.0		720.0		2.05 X 1.00		1476.0
Base Total: 720.0 1476.0				As-Built Total:		720.0			1476.0		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	96.0(p)	8.9	854.4	1. Slab-On-Grade Edge Insulation	5.0		96.0(p)		7.60		729.6
Raised	432.0	0.96	414.7	2. Raised Wood, Adjacent	5.0		432.0		6.11		2641.4
Base Total: 1269.1				As-Built Total:		528.0			3371.0		
INFILTRATION Area X BWPM = Points								Area X WPM = Points			
720.0 -0.59 -424.8								720.0 -0.59 -424.8			

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 11309.3				Winter As-Built Points: 12188.2						
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points	
11309.3	0.5540	6265.4		(sys 1: Electric Heat Pump 21000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 12188.2 1.000 (1.069 x 1.000 x 1.00) 0.443 0.950 5481.6 12188.2 1.00 1.069 0.443 0.950 5481.6						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
1		2635.00	2635.0	50.0	0.90	1		1.00	2693.56 1.00 2693.6
				As-Built Total:					2693.6

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
2820		6265	2635 11720	2947		5482	2694 11122

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

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 612.1.ABC.3.2. 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.6

The higher the score, the more efficient the home.

Barn, , , FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 21.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	1	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	720 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 21.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 98.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 98.0 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 96.0(p) ft	___	a. Electric Resistance	Cap: 50.0 gallons
b. Raised Wood, Adjacent	R=5.0, 432.0ft ²	___		EF: 0.90
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1590.0 ft ²	___	(HR-Heat recovery, Solar	___
b. N/A	___	___	DHP-Dedicated heat pump)	___
c. N/A	___	___	15. HVAC credits	PT, ___
d. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
e. N/A	___	___	HF-Whole house fan,	___
10. Ceiling types		___	PT-Programmable Thermostat,	___
a. Under Attic	R=30.0, 720.0 ft ²	___	MZ-C-Multizone cooling,	___
b. N/A	___	___	MZ-H-Multizone heating)	___
c. N/A	___	___		___
11. Ducts(Leak Free)		___		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 12.0 ft	___		___
b. N/A	___	___		___

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 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

Energy Code Compliance

Duct System Performance Report

Project Name:	Hans Dindial	Builder:	Owner
Address:		Permitting Office:	
City, State:	, FL	Permit Number:	
Owner:	Barn	Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25 _(tot)	_____ cfm25 _(out)
2	System2	_____ cfm25 _(tot)	_____ cfm25 _(out)
3	System3	_____ cfm25 _(tot)	_____ cfm25 _(out)
4	System4	_____ cfm25 _(tot)	_____ cfm25 _(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) <input type="checkbox"/> Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) <input type="checkbox"/> Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____

Printed Name: _____

Florida Rater Certification #: _____

DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____

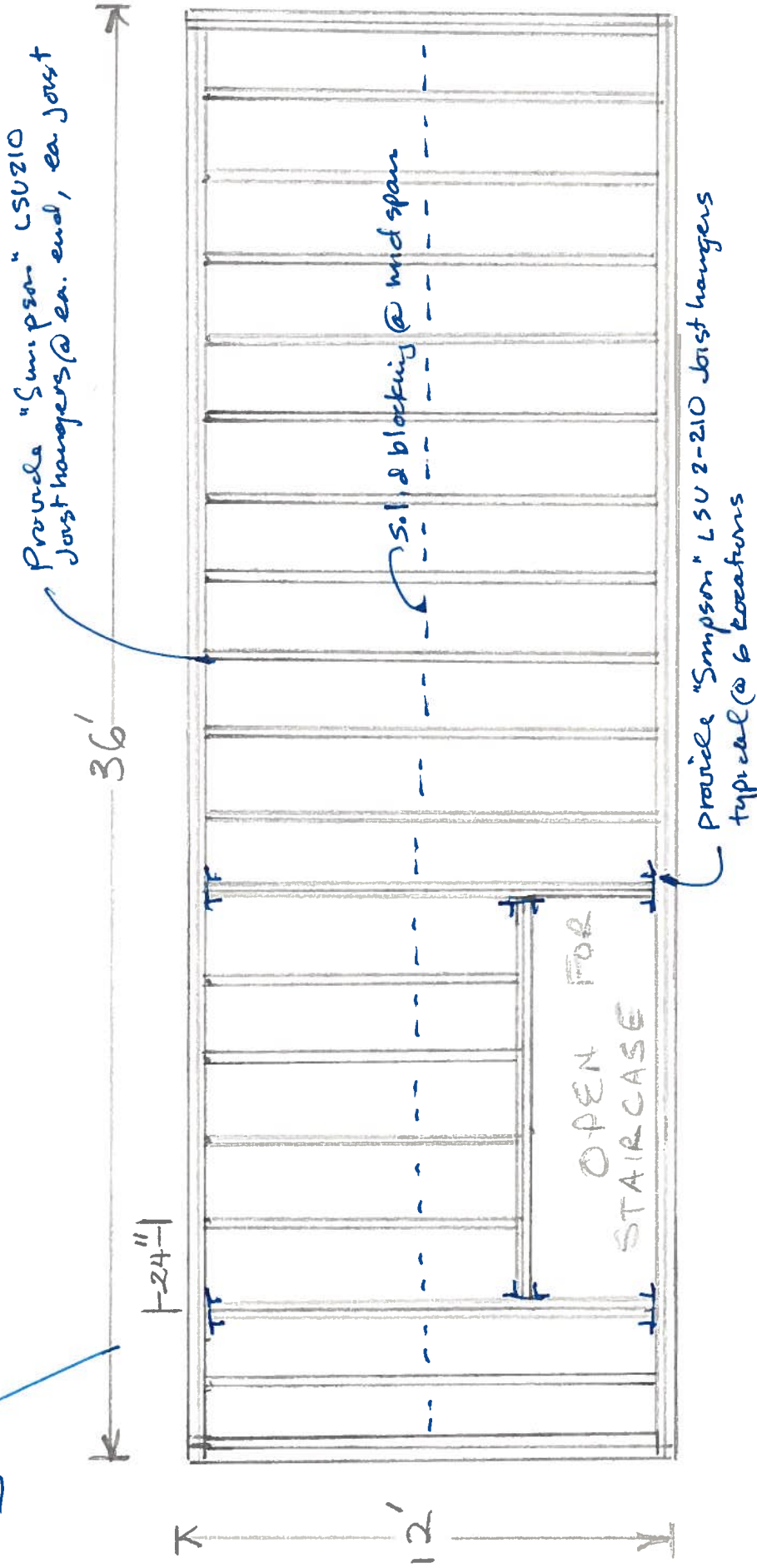
DATE: _____

DINDIAL

LOT 9

LAMAR GUN

2/2/2025
02 Oct 2027



ALL MATERIALS ARE 2X12; #2 S.Y.P.

DOUBLE RIM JOISTS 3 LAPED CORNERS & STRAPPING

DOUBLE JOISTS IN FLOOR OPENING

SUPPORTS ARE LEDGER BOARD W JOIST HANGERS

1" = 4'

12

Home Depot Store 6864
215 SW HOME DEPOT DRIVE
LAKE CITY, FL 32055
(386)755-0761

DATE: 10/03/2007



CUSTOMER:

HANS
DINDIAL, DWIGHT
4606 NW 108TH ST

SALES ASSOCIATE:

P.O. #:

GAINESVILLE, FL-32606
(352)-3327706

Thank you for shopping The Home Depot! We value your business!

ITEM FRAME SIZE	LOCATION	PRODUCT CODE DESCRIPTION	UNIT PRICE	QTY	TOTAL PRICE
0001	2030 obscure	MANUFACTURER: American Craftsman		1	

Frame Size = 23 3/8" W x 35 1/4" H
RO Size = 23 7/8" W x 35 3/4" H

Scale: 1/4" equals 1'

Manufacturer: American Craftsman
Building Application: New Construction
Installation: Special Order
Product Line: 2300
Product: Single Hung
Series: 2300
Product Type: Full Window
Product Style: Equal Lite
Product Configuration: Single Equal Single Hung
Sizing Group: Standard
Frame Size Width: 23 3/8"
Frame Size Height: 35 1/4"
Rough Opening Width: 23 7/8"
Rough Opening Height: 35 3/4"
Nominal Size: 2030
Color: White
Glazing Option: Clear I.G.
Design Pressure Rating: DP 50
Tempered: None
Glass Strength: Single Strength Glass
Obscure: Full
Tint: None
Grille Type: None
Screen: Half Screen
Sheetrock: No
Extension Jamb: None
SKU: 130483 / S/O SERIES 2300-2110 WINDOWS
{2301[23.375]35.25}[S]1[50]0[0]03[0]0[1][0]0}
Catalog Version 3.4.0

Base Price 2300 White:	\$	86.14		
Obscure Glass:Full	\$	6.87		
2300 White Screen:	\$	5.47		
	\$	98.48	\$	98.48

ITEM FRAME SIZE	LOCATION	PRODUCT CODE DESCRIPTION	UNIT PRICE	QTY	TOTAL PRICE
0006	3056 instead of 3054 which is non standard size (Egress)	MANUFACTURER: American Craftsman		1	

Frame Size = 35 3/8" W x 65 1/4" H
RO Size = 35 7/8" W x 65 3/4" H

Scale 1/4" equals 1'

Manufacturer: American Craftsman
Building Application: New Construction
Installation: Special Order
Product Line: 2300
Product: Single Hung
Series: 2300
Product Type: Full Window
Product Style: Equal Lite
Product Configuration: Single Equal Single Hung
Mull Type: Field
Sizing Group: Standard
Frame Size Width: 35 3/8"
Frame Size Height: 65 1/4"
Rough Opening Width: 35 7/8"
Rough Opening Height: 65 3/4"
Nominal Size: 3056
Color: White
Glazing Option: Clear I.G.
Design Pressure Rating: DP 30
Tempered: None
Glass Strength: Single Strength Glass
Obscure: None
Tint: None
Grille Type: None
Screen: Half Screen
Sheetrock: No
Extension Jamb: None
SKU: 130483 / S/O SERIES 2300-2110 WINDOWS
{2301[35.375|65.25]}S|1|30|0|0|0|0|1||0|0|}
Catalog Version 3.4.0

Base Price 2300 White:	\$	124.05		
2300 White Screen:	\$	8.16		
	\$	132.21	\$	132.21

ITEM FRAME SIZE	LOCATION	PRODUCT CODE DESCRIPTION	UNIT PRICE	QTY	TOTAL PRICE
0007	2-3056 instead of 3054 which is non standard size (egress)	MANUFACTURER: American Craftsman		1	

Frame Size = 35 3/8" W x 65 1/4" H
RO Size = 35 7/8" W x 65 3/4" H

Scale: 1/4" equals 1'

Manufacturer: American Craftsman
 Building Application: New Construction
 Installation: Special Order
 Product Line: 2300
 Product: Single Hung
 Series: 2300
 Product Type: Full Window
 Product Style: Equal Lite
 Product Configuration: Single Equal Single Hung
 Mull Type: Field
 Sizing Group: Standard
 Frame Size Width: 35 3/8"
 Frame Size Height: 65 1/4"
 Rough Opening Width: 35 7/8"
 Rough Opening Height: 65 3/4"
 Nominal Size: 3056
 Color: White
 Glazing Option: Clear I.G.
 Design Pressure Rating: DP 30
 Tempered: None
 Glass Strength: Single Strength Glass
 Obscure: None
 Tint: None
 Grille Type: None
 Screen: Half Screen
 Sheetrock: No
 Extension Jamb: None
 SKU: 130483 / S/O SERIES 2300-2110 WINDOWS
 {2301[35.375]65.25][S]1[30]0[0]00[0]1[0]0}
 Catalog Version 3.4.0

Base Price 2300 White:	\$	124.05		
2300 White Screen:	\$	8.16		
	\$	132.21	\$	132.21

ITEM FRAME SIZE	LOCATION	PRODUCT CODE DESCRIPTION	UNIT PRICE	QTY	TOTAL PRICE
0009	3030	MANUFACTURER: American Craftsman		3	

Frame Size = 35 3/8" W x 35 1/4" H
RO Size = 35 7/8" W x 35 3/4" H

Scale: 1/4" equals 1"

Manufacturer: American Craftsman
Building Application: New Construction
Installation: Special Order
Product Line: 2300
Product: Single Hung
Series: 2300
Product Type: Full Window
Product Style: Equal Lite
Product Configuration: Single Equal Single Hung
Sizing Group: Standard
Frame Size Width: 35 3/8"
Frame Size Height: 35 1/4"
Rough Opening Width: 35 7/8"
Rough Opening Height: 35 3/4"
Nominal Size: 3030
Color: White
Glazing Option: Clear I.G.
Design Pressure Rating: DP 50
Tempered: None
Glass Strength: Single Strength Glass
Obscure: None
Tint: None
Grille Type: None
Screen: Half Screen
Sheetrock: No
Extension Jamb: None
SKU: 130483 / S/O SERIES 2300-2110 WINDOWS
{2301[35.375|35.25]|S|1|50|0|0|00|0|0|1||0|0|}
Catalog Version 3.4.0

Base Price 2300 White:	\$	100.41	
2300 White Screen:	\$	<u>6.50</u>	
	\$	106.91	\$ 320.73

ITEM FRAME SIZE	LOCATION	PRODUCT CODE DESCRIPTION	UNIT PRICE	QTY	TOTAL PRICE
0010	3050	MANUFACTURER: American Craftsman		1	

Frame Size = 35 3/8" W x 59 1/4" H
RO Size = 35 7/8" W x 59 3/4" H

Scale: 1/4" equals 1'



Manufacturer: American Craftsman
Building Application: New Construction
Installation: Special Order
Product Line: 2300
Product: Single Hung
Series: 2300
Product Type: Full Window
Product Style: Equal Lite
Product Configuration: Single Equal Single Hung
Sizing Group: Standard
Frame Size Width: 35 3/8"
Frame Size Height: 59 1/4"
Rough Opening Width: 35 7/8"
Rough Opening Height: 59 3/4"
Nominal Size: 3050
Color: White
Glazing Option: Clear I.G.
Design Pressure Rating: DP 50
Tempered: None
Glass Strength: Single Strength Glass
Obscure: None
Tint: None
Grille Type: None
Screen: Half Screen
Sheetrock: No
Extension Jamb: None
SKU: 130483 / S/O SERIES 2300-2110 WINDOWS
{2301[35.375|59.25]|S|1|50|0|0|0|0|0|1||0|0|}
Catalog Version 3.4.0

Base Price 2300 White:	\$	119.54	
2300 White Screen:	\$	7.76	
	\$	127.30	\$ 127.30

QUOTE #:

PRETAX TOTAL

\$

810.93

Estimated Lead Time _____

ALL DOORS ARE 3-0/6-8 STEEL
STANLEY
BRAND

Residential System Sizing Calculation

Summary

Barn

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

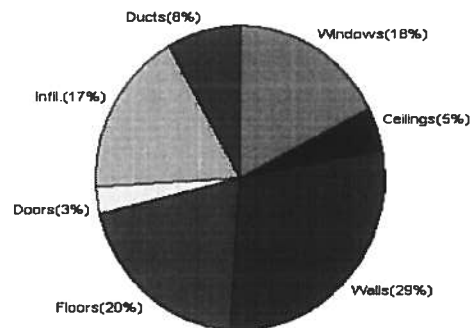
7/25/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	18020	Btuh	Total cooling load calculation	19038	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.5	21000	Sensible (SHR = 0.75)	98.6	15750
Heat Pump + Auxiliary(0.0kW)	116.5	21000	Latent	171.4	5250
			Total (Electric Heat Pump)	110.3	21000

WINTER CALCULATIONS

Winter Heating Load (for 720 sqft)

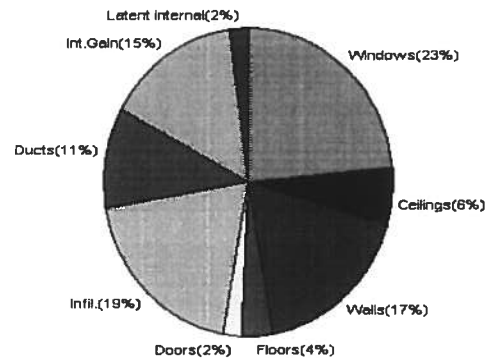
Load component		Load	
Window total	98 sqft	3155	Btuh
Wall total	1590 sqft	5222	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	720 sqft	848	Btuh
Floor total	See detail report	3646	Btuh
Infiltration	77 cfm	3111	Btuh
Duct loss		1521	Btuh
Subtotal		18020	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		18020	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 720 sqft)

Load component		Load	
Window total	98 sqft	4463	Btuh
Wall total	1590 sqft	3316	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	720 sqft	1192	Btuh
Floor total		673	Btuh
Infiltration	67 cfm	1251	Btuh
Internal gain		2860	Btuh
Duct gain		1828	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		15975	Btuh
Latent gain(ducts)		207	Btuh
Latent gain(infiltration)		2456	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		3062	Btuh
TOTAL HEAT GAIN		19038	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

[Signature]
7-25-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Barn

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/25/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	N	9.0	32.2	290 Btuh
3	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	N	16.0	32.2	515 Btuh
5	2, Clear, Metal, 0.87	E	32.0	32.2	1030 Btuh
6	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
Window Total			98(sqft)		3155 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1590	3.3	5222 Btuh
Wall Total			1590		5222 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
Door Total			40		518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	720	1.2	848 Btuh
Ceiling Total			720		848 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	96.0 ft(p)	16.4	1570 Btuh
2	Raised Wood - Adj	5	432.0 sqft	4.8	2076 Btuh
Floor Total			528		3646 Btuh
Envelope Subtotal:					13388 Btuh
Infiltration	Type	ACH X	Volume(cuft) walls(sqft)	CFM=	
	Natural	0.80	5760 1590	76.8	3111 Btuh
Ductload	(DLM of 0.092)				1521 Btuh
All Zones	Sensible Subtotal All Zones				18020 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	18020 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	18020 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Barn
, FL

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

7/25/2007

EQUIPMENT

1. Electric Heat Pump	#	21000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Barn

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/25/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	20.0		32.2	644 Btuh
2	2, Clear, Metal, 0.87	N	9.0		32.2	290 Btuh
3	2, Clear, Metal, 0.87	S	15.0		32.2	483 Btuh
4	2, Clear, Metal, 0.87	N	16.0		32.2	515 Btuh
5	2, Clear, Metal, 0.87	E	32.0		32.2	1030 Btuh
6	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
	Window Total		98(sqft)			3155 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1590		3.3	5222 Btuh
	Wall Total		1590			5222 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		40		12.9	518 Btuh
	Door Total		40			518 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	720		1.2	848 Btuh
	Ceiling Total		720			848 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	96.0 ft(p)		16.4	1570 Btuh
2	Raised Wood - Adj	5	432.0 sqft		4.8	2076 Btuh
	Floor Total		528			3646 Btuh
	Zone Envelope Subtotal:					13388 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	Load
	Natural	0.80	5760	1590	76.8	3111 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.092)					1521 Btuh
Zone #1	Sensible Zone Subtotal					18020 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	18020 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	18020 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Barn
, FL

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

7/25/2007

EQUIPMENT

1. Electric Heat Pump	#	21000 Btuh
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Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Barn

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

7/25/2007

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	W	39.5f	10ft.	20.0	20.0	0.0	29	80	579	Btuh	
2	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	9.0	0.0	9.0	29	29	261	Btuh	
3	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	15.0	13.5	1.5	29	34	441	Btuh	
4	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	16.0	0.0	16.0	29	29	463	Btuh	
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	32.0	0.0	32.0	29	80	2545	Btuh	
6	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	6.0	6.0	0.0	29	34	174	Btuh	
Window Total					98 (sqft)					4463 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
	Frame - Wood - Ext	13.0/0.09			1590.0			2.1		3316 Btuh		
	Wall Total				1590 (sqft)					3316 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
	Insulated - Exterior				40.0			9.8		392 Btuh		
	Door Total				40 (sqft)					392 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
	Vented Attic/DarkShingle	30.0			720.0			1.7		1192 Btuh		
	Ceiling Total				720 (sqft)					1192 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
	Slab On Grade	5.0			96 (ft(p))			0.0		0 Btuh		
	Raised Wood - Adj	5.0			432 (sqft)			1.6		673 Btuh		
	Floor Total				528.0 (sqft)					673 Btuh		
		Envelope Subtotal:									10037 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=		Load	
	SensibleNatural	0.70			5760		1590		76.8		1251 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	2			X 230			+ 2400		2860 Btuh			
	Sensible Envelope Load:									14148 Btuh		
Duct load	(DGM of 0.129)									1828 Btuh		
	Sensible Load All Zones									15975 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Barn
, FL

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

7/25/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	14148 Btuh
	Sensible Duct Load	1828 Btuh
	Total Sensible Zone Loads	15975 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15975 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2456 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	207 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3062 Btuh
	TOTAL GAIN	19038 Btuh

EQUIPMENT

1. Central Unit	#	21000 Btuh
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*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Barn

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

7/25/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	W	39.5f	10ft.	20.0	20.0	0.0	29	80	579	Btuh
2	2, Clear, 0.87, None,N,N	N	1.5ft	10ft.	9.0	0.0	9.0	29	29	261	Btuh
3	2, Clear, 0.87, None,N,N	S	1.5ft	10ft.	15.0	13.5	1.5	29	34	441	Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	16.0	0.0	16.0	29	29	463	Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	32.0	0.0	32.0	29	80	2545	Btuh
6	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	6.0	6.0	0.0	29	34	174	Btuh
Window Total						98 (sqft)			4463 Btuh		
Walls 1	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
	Frame - Wood - Ext	13.0/0.09		1590.0			2.1		3316 Btuh		
	Wall Total				1590 (sqft)					3316 Btuh	
Doors 1	Type				Area (sqft)			HTM		Load	
	Insulated - Exterior				40.0			9.8		392 Btuh	
	Door Total				40 (sqft)					392 Btuh	
Ceilings 1	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
	Vented Attic/DarkShingle	30.0		720.0			1.7		1192 Btuh		
	Ceiling Total				720 (sqft)					1192 Btuh	
Floors 1 2	Type	R-Value		Size			HTM		Load		
	Slab On Grade	5.0		96 (ft(p))			0.0		0 Btuh		
	Raised Wood - Adj	5.0		432 (sqft)			1.6		673 Btuh		
	Floor Total				528.0 (sqft)					673 Btuh	
Zone Envelope Subtotal:										10037 Btuh	
Infiltration	Type	ACH		Volume(cuft)		wall area(sqft)		CFM=		Load	
	SensibleNatural	0.70		5760		1590		67.2		1251 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	2			X 230 +			2400		2860 Btuh		
Sensible Envelope Load:										14148 Btuh	
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.129)		1828 Btuh	
Sensible Zone Load										15975 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Barn
, FL

Project Title:
Hans Dindial

Code Only
Professional Version
Climate: North

7/25/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	14148 Btuh
	Sensible Duct Load	1828 Btuh
	Total Sensible Zone Loads	15975 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15975 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2456 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	207 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3062 Btuh
	TOTAL GAIN	19038 Btuh

EQUIPMENT

1. Central Unit	#	21000 Btuh
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*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Barn

, FL

Project Title:
Hans Dindial

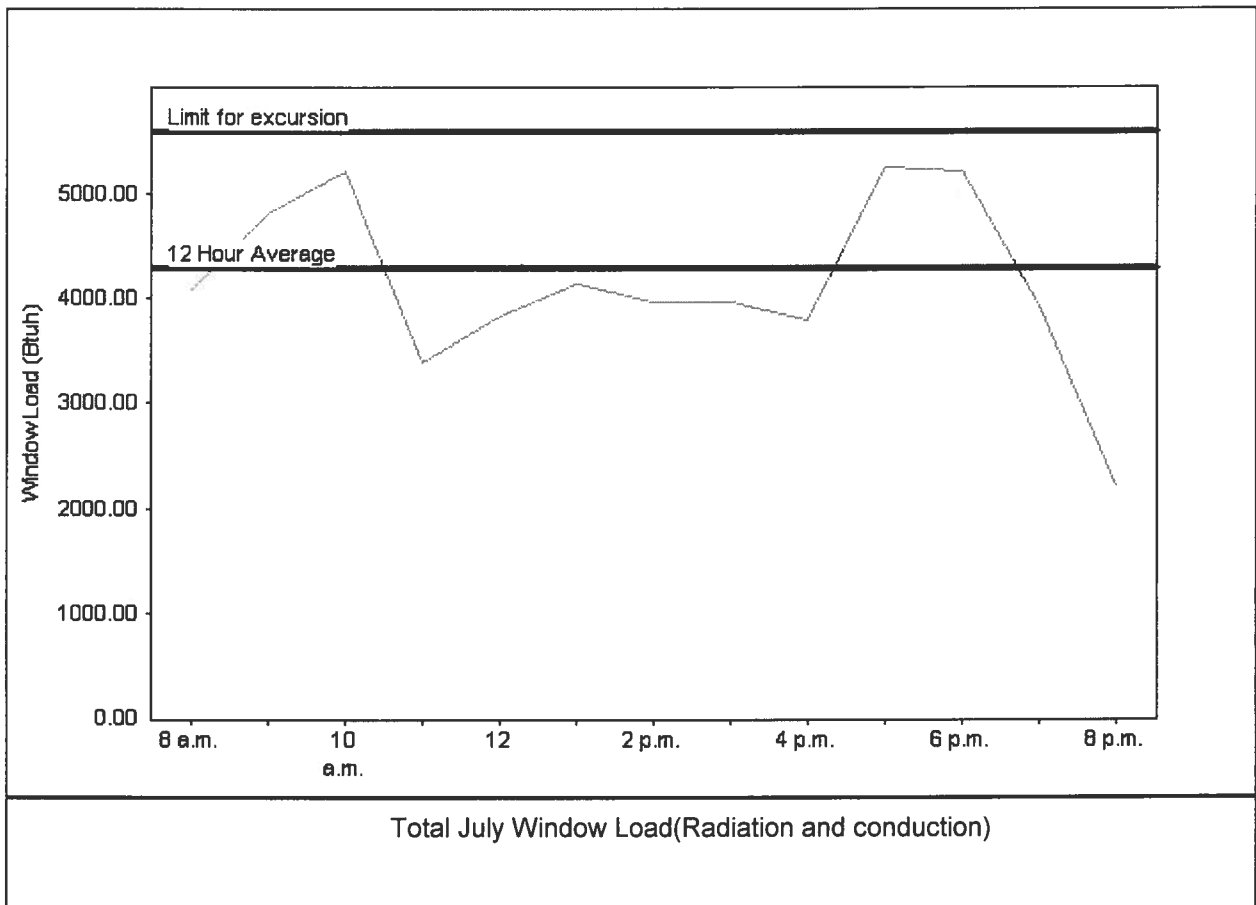
Code Only
Professional Version
Climate: North

7/25/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4293 Btuh
Summer setpoint	75 F	Peak window load for July	5238 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	5581 Btuh
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2





2603 NW 74TH PLACE • GAINESVILLE, FLORIDA 32653 • PHONE: (352) 372-1274 • FAX: (352) 372-2721

COLUMBIA COUNTY
FLORIDA

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 09-6S-16-03804-109

Building permit No. 000026324

Use Classification BARNDWELLING

Fire: 146.60

Permit Holder OWNER BUILDER

Waste: 201.00

Owner of Building HANS W. DINDIAL

Total: 347.60

Location: 555 SW LAUMAN GLEN, FT WHITE, FL

Date: 10/09/2008

Wayne H. Hunt

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)