

DATE 03/18/2011

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000029252

APPLICANT WILLIAM SCOTT PHONE 386-365-1222
 ADDRESS 780 SW RIDGE STREET LAKE CITY FL 32024
 OWNER LINDEN DOPLER PHONE 965-6313
 ADDRESS 5653 SE CR 245 LAKE CITY FL 32025
 CONTRACTOR WILLIAM SCOTT PHONE 386-365-1222
 LOCATION OF PROPERTY 90E, TR ON SR 100, TR ON PRICE CREEK RD, CROSS OVER
CR 252, JUST AFTER BRIDGE TURN LEFT INTO DRIVEWAY
 TYPE DEVELOPMENT TRUSS & ROOF OVER ESTIMATED COST OF CONSTRUCTION 8300.00
 HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT 20.00 STORIES 1
 FOUNDATION _____ WALLS _____ ROOF PITCH 6/12 FLOOR _____
 LAND USE & ZONING AG-3 MAX. HEIGHT 35
 Minimum Set Back Requirments: STREET-FRONT _____ REAR _____ SIDE _____
 NO. EX.D.U. 1 FLOOD ZONE NA DEVELOPMENT PERMIT NO. _____

PARCEL ID 25-4S-17-08734-000 SUBDIVISION _____
 LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 130.00

_____ CBC1250835 _____
 Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
 EXISTING _____ NA _____ LH _____ N _____
 Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: NOC ON FILE
 EXISTING STRUCTURE _____
 _____ Check # or Cash 4003

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power _____ Foundation _____ Monolithic _____ (footer/Slab)
 date/app. by _____ date/app. by _____ date/app. by _____
 Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
 date/app. by _____ date/app. by _____ date/app. by _____
 Framing _____ Insulation _____
 date/app. by _____ date/app. by _____
 Rough-in plumbing above slab and below wood floor _____ Electrical rough-in _____
 date/app. by _____ date/app. by _____
 Heat & Air Duct _____ Peri. beam (Lintel) _____ Pool _____
 date/app. by _____ date/app. by _____ date/app. by _____
 Permanent power _____ C.O. Final _____ Culvert _____
 date/app. by _____ date/app. by _____ date/app. by _____
 Pump pole _____ Utility Pole _____ M/H tie downs, blocking, electricity and plumbing _____
 date/app. by _____ date/app. by _____ date/app. by _____
 Reconnection _____ RV _____ Re-roof _____
 date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 45.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
 MISC. FEES \$ 0.00 ZONING CERT. FEE \$ _____ FIRE FEE \$ 0.00 WASTE FEE \$ _____
 FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ _____ CULVERT FEE \$ _____ **TOTAL FEE** 45.00
 INSPECTORS OFFICE _____ CLERKS OFFICE _____

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

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

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

Columbia County Building Permit Application

Only Application # 1103-04 Date Received 3/3/11 By LH Permit # 29252
 Official BZK Date 10.03.11 Flood Zone N/A Land Use A-3 Zoning A-3
 Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner J.C. Date 3-9-11
 Comments _____
 OC MEH Deed or PA Site Plan State Road Info Parent Parcel # _____
 Dev Permit # _____ In Floodway Letter of Auth. from Contractor F/W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code App fee paid
 School _____ = TOTAL N/A roofing permits only

Septic Permit No. _____ Fax 386-755-2873
 Name Authorized Person Signing Permit William Scott Phone 386-365-1222
 Address 1780 SW Ridge St Lake City FL 32024
 Owners Name Linden Dopler Phone 386-965-6313
 911 Address 5653 SE CR 245 Lake City FL 32025
 Contractors Name William Scott Phone 386-365-1222
 Address 1780 SW Ridge St Lake City FL 32024
 Fee Simple Owner Name & Address Linden Dopler
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Charles A Wander jr P.E. PO Box 126 Leaberry Rd FL 32669
 Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy
 Property ID Number 25-45-17-08734-000 Estimated Cost of Construction 25 per contractor: () \$300.00
 Subdivision Name ~~TROSS~~ Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions TRAFFIC EAST to 100 turn RT 1/2 mile turn RT on PRICE CREEK Rd
DRIVE 4 miles Go through Red Lite at 252 intersection about 1 mile on LEFT
MAILBOX with 5653 turn in driveway Number of Existing Dwellings on Property 1
 Construction of TROSS + ROOF Total Acreage 130 Lot Size _____
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____
 Actual Distance of Structure from Property Lines - Front _____ Side _____ Side _____ Rear _____
 Number of Stories 1 Heated Floor Area 2748 Total Floor Area 4066 Roof Pitch 6/12

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.

Columbia County Property Appraiser

DB Last Updated: 1/6/2011

2010 Tax Year

Parcel: 25-4S-17-08734-000

<< Next Lower Parcel Next Higher Parcel >>

Owner & Property Info

Search Result: 1 of 3 Next >>

Owner's Name	DOPLER LINDEN E		
Mailing Address	5653 SE CR 245 LAKE CITY, FL 32025		
Site Address	5653 SE COUNTY ROAD 245		
Use Desc. (code)	IMPROVED A (005000)		
Tax District	3 (County)	Neighborhood	25417
Land Area	130.000 ACRES	Market Area	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
N1/2 OF SW1/4, & S1/2 OF SE1/4 OF NW1/4 & ALL ALL OF SW1/4 OF NW1/4 S OF ROSE CREEK EX RD RW. LIFE ESTATE ORB 641-239,40, PROB 1168-1311			



Property & Assessment Values

2010 Certified Values		
Mkt Land Value	cnt: (4)	\$11,105.00
Ag Land Value	cnt: (1)	\$16,196.00
Building Value	cnt: (1)	\$52,530.00
XFOB Value	cnt: (5)	\$3,460.00
Total Appraised Value		\$83,291.00
Just Value		\$323,379.00
Class Value		\$83,291.00
Assessed Value		\$53,928.00
Exempt Value	(code: HX SX)	\$53,928.00
Total Taxable Value	Other: \$25,000 Schl:	\$28,928

2011 Working Values
NOTE:
2011 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.
<input type="button" value="Show Working Values"/>

Sales History

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
2/27/2009	1168/1324	PB	I	U	11	\$0.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1950	(31)	2748	4066	\$117,221.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0294	SHED WOOD/	0	\$870.00	0000001.000	120 x 18 x 0	(000.00)
0294	SHED WOOD/	0	\$60.00	0000001.000	17 x 18 x 0	(000.00)
0021	BARN,FR AE	0	\$130.00	0000001.000	16 x 16 x 0	(000.00)
0190	FPLC PF	0	\$1,200.00	0000001.000	0 x 0 x 0	(000.00)

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 25-45-17-08734-000

I/HE, 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): 25-45-17-08734-000

a) Street (job) Address: _____

2. General description of improvements: TRUSS and Roof

3. Owner Information

a) Name and address: Linden E Dopler

b) Name and address of fee simple titleholder (if other than owner) _____

c) Interest in property _____

4. Contractor Information

a) Name and address: William Scott 780 SW Ridge St Lake City FL 32024

b) Telephone No.: 386-365-1222 Fax No. (Opt.) 386-755-2873

5. Surety Information

a) Name and address: N/A

b) Amount of Bond: _____

c) Telephone No.: _____ Fax No. (Opt.) _____

6. Lender

a) Name and address: 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: _____

b) Telephone No.: _____ Fax No. (Opt.) _____

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:

a) Name and address: William Scott 780 SW Ridge St Lake City FL 32024

b) Telephone No.: 386-365-1222 Fax No. (Opt.) 386-755-2873

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

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

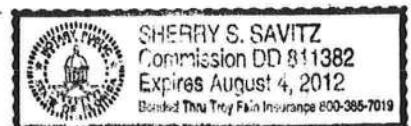
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. X Linden E. Dopler
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
X Linden E. Dopler
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 03 day of MARCH, 20 11, by:
Sherry Savitz as Notary (type of authority, e.g. officer, trustee, attorney
fact) for Linden Dopler (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification X Type DLK

Notary Signature Sherry Savitz 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.

X Linden E. Dopler
Signature of Natural Person Signing (in line #10 above.)

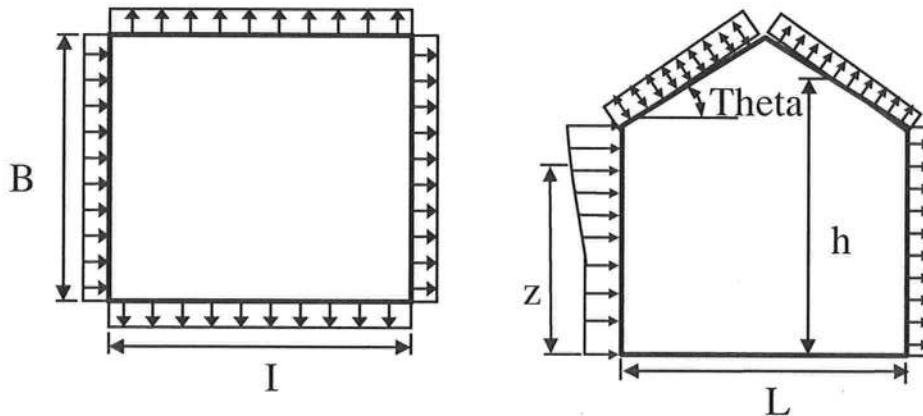
WIND05 v1-4

Detailed Wind Load Design (Method 2) per ASCE 7-05
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz lb/ft ²	Pressure (lb/ft ²)					Shear (Kip)	Moment (Kip-ft)
				Windward Wall*		Leeward Wall		Total		
				+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi		
0										
19.42	0.62	1.00	13.46	6.90	11.41	-7.57	-3.06	14.47	2.88	6.36
15	0.57	1.00	12.51	6.25	10.76	-7.57	-3.06	13.82	12.21	125.85

Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp
 Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	$2.01 \cdot (15/zg)^{2/\text{Alpha}}$	0.57	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot I \cdot Kh \cdot Kht \cdot Kd$	12.51	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.70	
Qhcc	$.00256 \cdot V^2 \cdot I \cdot Khcc \cdot Kht \cdot Kd$	15.24	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

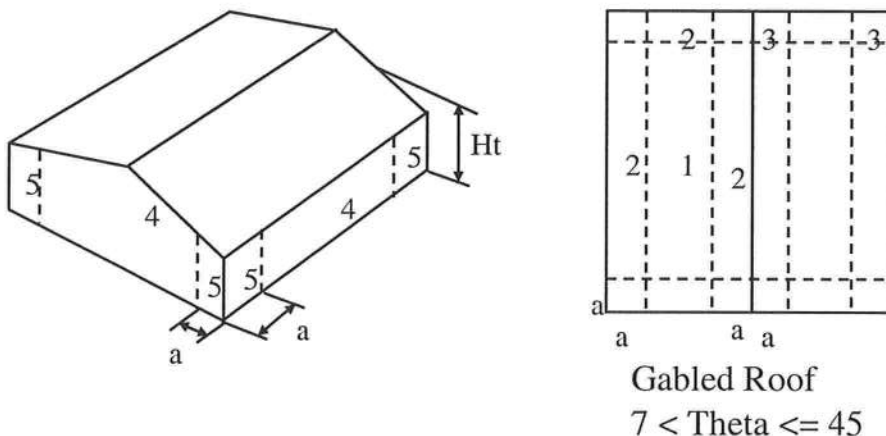
Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 45 ft Face	Cp	Pressure (psf)	
<i>Additional Runs may be req'd for other wind directions</i>		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 45 ft wall)	-0.50	-7.57	-3.06
Leeward Walls (Wind Dir Normal to 43 ft wall)	-0.49	-7.47	-2.97
Side Walls	-0.70	-9.69	-5.19
Roof - Wind Normal to Ridge (Theta >= 10) - for Wind Normal to 45 ft face			
Windward - Min Cp	-0.40	-6.54	-2.04
Windward - Max Cp	0.08	-1.43	3.07
Leeward Normal to Ridge	-0.57	-8.29	-3.79
Overhang Top (Windward)	-0.40	-4.29	-4.29

WIND05 v1-4

Detailed Wind Load Design (Method 2) per ASCE 7-05

Figure 6-11 - External Pressure Coefficients, GCp
Loads on Components and Cladding for Buildings w/ Ht <= 60 ft



Gabled Roof
7 < Theta <= 45

a = 4.3 ==> 4.30 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
Metal Roof Pnl	3	12	48.00	2	0.36	-1.36	10.00	-23.47
Metal Roof Pnl	3	12	48.00	1	0.36	-0.83	10.00	-15.43
Purlin	2.5	12	48.00	1	0.36	-0.83	10.00	-15.43
Purlin	2.5	12	48.00	2	0.36	-1.36	10.00	-23.47
common rafter	2	11	40.33	1	0.38	-0.84	10.00	-15.54
common rafter	2	11	40.33	2	0.38	-1.40	10.00	-24.04
gable end wall	2	7	16.33	4	0.96	-1.06	17.42	-18.94
gable end wall	2	3	6.00	5	1.00	-1.40	17.99	-24.09
			0.00					
			0.00					
			0.00					
			0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

CERTIFICATIONS & TESTING

- Dade County NOA #07-0713.03 & ASCE 7-98 Compliant
- Florida Building Code Approval #FL4586.3, #FL6915.1, #FL7765.2, #FL9555.1, #FL9555.2, #FL9557.1, #FL9557.2, #FL9610.3
- Texas Department of Insurance Approval #116
- UL 790 Fire Resistance Class A
- UL 2218 Impact Resistance Class 4
- UL 580 Uplift UL Class 90 CONSTRUCTION #584

ALLOWABLE UNIFORM LOADS PER SQUARE FOOT

Maximum purlin spacing for roof 2' on center and maximum girt spacing for sidewall 3' on center. Place fasteners in the pan of panel for best results. (Three spans or more)

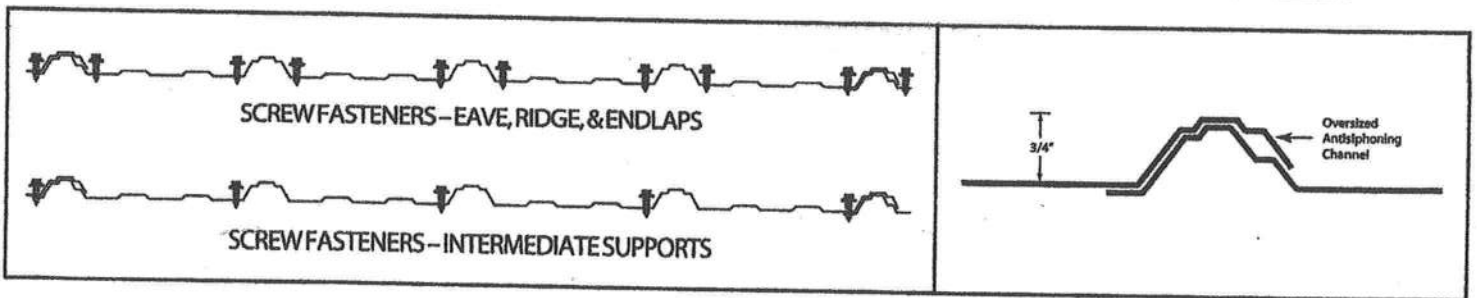
SPAN (INCHES)	LIVE LOAD (lb/ft ²)						WIND LOAD (lb/ft ²)					
	18"	24"	30"	36"	48"	54"	18"	24"	30"	36"	48"	54"
29 Gauge	199	112	71	49	28	22	211	118	76	52	29	23
26 Gauge	268	150	96	67	37	29	276	155	99	69	38	30

NOTES:

1. Theoretical allowable loads are based on section properties and allowables calculated in accordance with 2001 AISI Specifications.
2. Theoretical allowable loads are based on three or more uniform spans.
3. For roof panels, deduct self weight for actual 'live load' capacity of the panel.
4. These loads are for panel strength. Frames, purlins, decks and fasteners must be designed to resist all loads imposed on the panel.
5. Check local building codes if panel testing is required.

RECOMMENDED FASTENING PATTERN FOR 1-1/2" SCREWS

PANEL OVERLAP



STORAGE

If the panels are not to be used immediately, store inside in a well ventilated and dry location. Condensation of other moisture can form between the sheets during storage causing water stains or white rust which detract from the appearance of the product and may effect the product's useful life. Trapped moisture between sheets of painted metal can cause white rust to form underneath the paint. This can cause the paint to flake off of the panel immediately or several years later. To prevent white rust and staining, the following precautions should be taken:

1. Break the shipping bands on the metal and wipe the sheets dry.
2. Store metal on end or on an incline of at least 8" with support bands underneath to prevent sagging.
3. Fan sheets slightly at the bottom to allow for air circulation.
4. Keep the sheets off of the ground with an insulator such as wood.

Any outdoor storage is at the customer's own risk. If outdoor storage cannot be avoided, protect the metal using a canvas cover or waterproof paper. Never cover the metal with plastic as this will cause condensation to form.



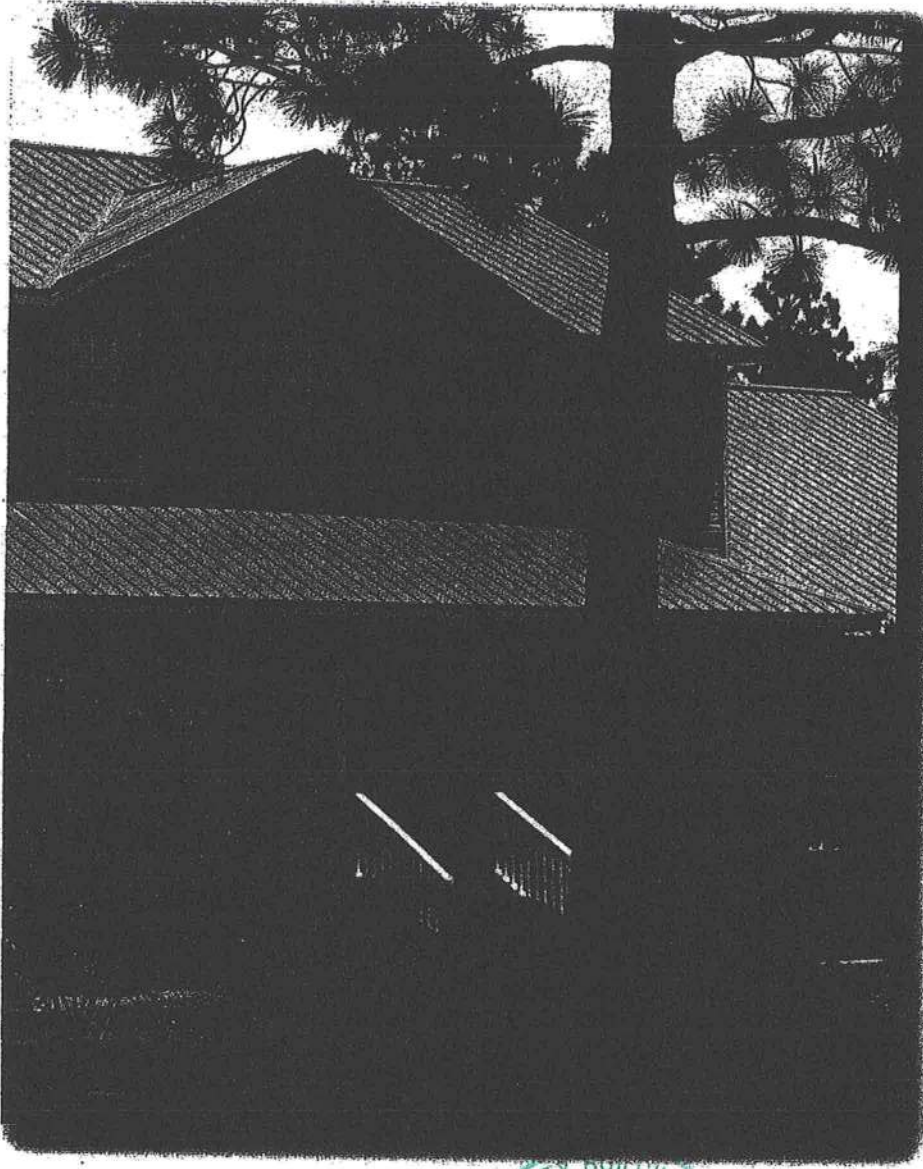
BEFORE BEGINNING INSTALLATION OF THIS PRODUCT, READ OUR INSTALLATION INSTRUCTIONS.

** For more information, call (888) MTL-ROOF or visit our website at www.unionmetalroofing.com **



Your Roof. For Life.

MASTER RIB®



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County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 25-45-17-08734-000

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a) Name and address: Linden E Dopler

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c) Interest in property _____

4. Contractor Information

a) Name and address: William Scott 780 SW Ridge St Lake City, FL 32024

b) Telephone No.: 386-365-1222 Fax No. (Opt.) 386-755-2873

5. Surety Information

a) Name and address: N/A

b) Amount of Bond: _____

c) Telephone No.: _____ Fax No. (Opt.) _____

6. Lender

a) Name and address: 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: _____

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8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:

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STATE OF FLORIDA
COUNTY OF COLUMBIA

10. X Linden E. Dopler
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
X Linden E. Dopler
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 03 day of MARCH, 20 11, by:
Sherry Savitz as Notary (type of authority, e.g. officer, trustee, attorney
fact) for Linden Dopler (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification X Type DK

Notary Signature Sherry Savitz 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.

X Linden E. Dopler
Signature of Natural Person Signing (in line #10 above.)

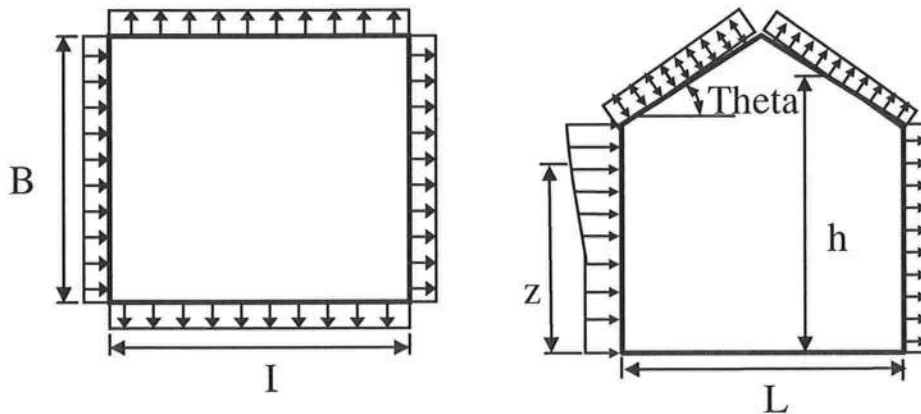
WIND05 v1-4

Detailed Wind Load Design (Method 2) per ASCE 7-05
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz lb/ft ²	Pressure (lb/ft ²)					Shear (Kip)	Moment (Kip-ft)
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Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp
 Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	$2.01 \cdot (15/z_g)^{2/\alpha}$	0.57	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot I \cdot K_h \cdot K_{ht} \cdot K_d$	12.51	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.70	
Qhcc	$.00256 \cdot V^2 \cdot I \cdot K_{hcc} \cdot K_{ht} \cdot K_d$	15.24	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 45 ft Face <i>Additional Runs may be req'd for other wind directions</i>	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 45 ft wall)	-0.50	-7.57	-3.06
Leeward Walls (Wind Dir Normal to 43 ft wall)	-0.49	-7.47	-2.97
Side Walls	-0.70	-9.69	-5.19
Roof - Wind Normal to Ridge (Theta >= 10) - for Wind Normal to 45 ft face			
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WIND05 v1-4

Detailed Wind Load Design (Method 2) per ASCE 7-05

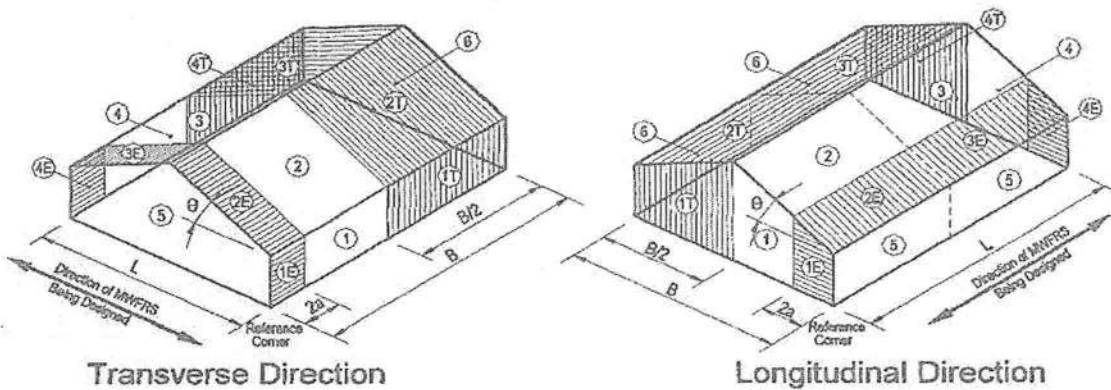
Overhang Top (Leeward)	-0.57	-6.04	-6.04
Overhang Bottom (Applicable on Windward only)	0.80	8.50	8.50
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 43 ft face			
Dist from Windward Edge: 0 ft to 28 ft - Max Cp	-0.18	-4.16	0.34
Dist from Windward Edge: 0 ft to 7 ft - Min Cp	-0.90	-11.82	-7.32
Dist from Windward Edge: 7 ft to 14 ft - Min Cp	-0.90	-11.82	-7.32
Dist from Windward Edge: 14 ft to 28 ft - Min Cp	-0.50	-7.57	-3.06
Dist from Windward Edge: > 28 ft	-0.30	-5.44	-0.94

* Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	$2.01 \cdot (15/z_g)^{2/\alpha}$	=	0.70
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	$0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d$	=	15.24
Theta =	Angle of Roof	=	18.4 Deg



Torsional Load Cases

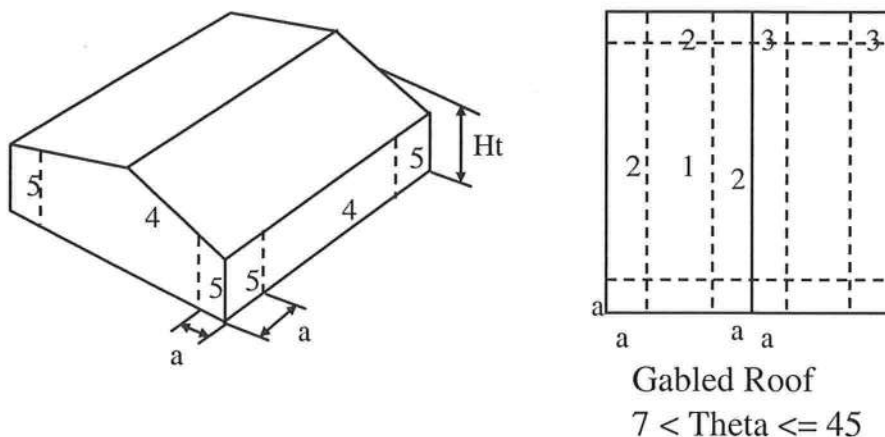
Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.52	0.18	-0.18	15.24	5.12	10.61
2	-0.69	0.18	-0.18	15.24	-13.26	-7.77
3	-0.47	0.18	-0.18	15.24	-9.88	-4.39
4	-0.42	0.18	-0.18	15.24	-9.07	-3.58
5	-0.45	0.18	-0.18	15.24	-9.60	-4.12
6	-0.45	0.18	-0.18	15.24	-9.60	-4.12
1E	0.78	0.18	-0.18	15.24	9.14	14.63
2E	-1.07	0.18	-0.18	15.24	-19.06	-13.57
3E	-0.67	0.18	-0.18	15.24	-13.00	-7.51
4E	-0.62	0.18	-0.18	15.24	-12.16	-6.67

* $p = qh \cdot (GCpf - GCpi)$

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Detailed Wind Load Design (Method 2) per ASCE 7-05

Figure 6-11 - External Pressure Coefficients, G_{Cp}
 Loads on Components and Cladding for Buildings w/ $H_t \leq 60$ ft



Gabled Roof
 $7 < \text{Theta} \leq 45$

a = 4.3 ==> 4.30 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft ²)	Zone	G _{Cp}		Wind Press (lb/ft ²)	
					Max	Min	Max	Min
Metal Roof Pnl	3	12	48.00	2	0.36	-1.36	10.00	-23.47
Metal Roof Pnl	3	12	48.00	1	0.36	-0.83	10.00	-15.43
Purlin	2.5	12	48.00	1	0.36	-0.83	10.00	-15.43
Purlin	2.5	12	48.00	2	0.36	-1.36	10.00	-23.47
common rafter	2	11	40.33	1	0.38	-0.84	10.00	-15.54
common rafter	2	11	40.33	2	0.38	-1.40	10.00	-24.04
gable end wall	2	7	16.33	4	0.96	-1.06	17.42	-18.94
gable end wall	2	3	6.00	5	1.00	-1.40	17.99	-24.09
			0.00					
			0.00					
			0.00					
			0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.