

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0702-12 Date Received 2/7 By JW Permit # 25490
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner _____ Date _____
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments _____

Applicants Name James Cook Phone 352-694-2580
 Address PO Box 830157, Ocala, FL 34483
 Owners Name Gerald Ward Phone 386-719-4315
 911 Address 8160 Succr242 Lake City FL 32024
 Contractors Name H.T. McDonald JR Phone 352-694-2580 (GAL)
 Address PO Box 830157 Ocala FL 34483
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address N/A
 Mortgage Lenders Name & Address _____
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 26-45-15-00401-123 Estimated Cost of Construction 13,776.00
 Subdivision Name Lanctree SID Lot 3 Block B Unit _____ Phase _____
 Driving Directions 75-N Exit 423 S W Bay meadow st End at 8160 SW
County Road 242
 Type of Construction Metal Roof and -SFD Number of Existing Dwellings on Property N/A
 Total Acreage _____ Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front _____ Side _____ Side _____ Rear _____
 Total Building Height _____ Number of Stories 1 Heated Floor Area 1836 Roof Pitch 4/12

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 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.

N J McDonald Jr
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 16 day of January

Personally known ☒ or Produced Identification ☐

N J McDonald Jr
 Contractor Signature
 Contractors License Number CRC001864
 Competency Card Number _____
 NOTARY STAMP/SEAL



ACORD <small>114</small> CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 11/08/06
PRODUCER HRH of Savannah, Inc. P.O. Box 9966 7 East Congress St., Ste 1002 Savannah, GA 31412	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURED Window Supply, Inc. PO Box 830157 Ocala, FL 34483	INSURERS AFFORDING COVERAGE INSURER A: Landmark American Ins. Co INSURER B: Bridgefield Casualty through Summitt INSURER C: Safeco Insurance Company INSURER D: INSURER E:	NAIC # 10335 1635

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
INSR	ADD'L	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> BI/PD Ded:5,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	LHA104611	11/01/06	11/01/07	EACH OCCURRENCE	\$1,000,000
		DAMAGE TO RENTED PREMISES (Ea occurrence)				\$50,000	
		MED EXP (Any one person)				\$	
		PERSONAL & ADV INJURY				\$1,000,000	
						GENERAL AGGREGATE	\$2,000,000
						PRODUCTS - COMP/OP AGG	\$2,000,000
C		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	01CH30818210	11/01/06	11/01/07	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
		BODILY INJURY (Per person)				\$	
		BODILY INJURY (Per accident)				\$	
		PROPERTY DAMAGE (Per accident)				\$	
		AUTO ONLY - EA ACCIDENT				\$	
		OTHER THAN AUTO ONLY. EA ACC				\$	
		AGG				\$	
		EACH OCCURRENCE				\$	
		AGGREGATE				\$	
						\$	
		\$					
		\$					
B		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	83034542	06/01/06	06/01/07	<input type="checkbox"/> WC STATU- TORY LIMITS	<input type="checkbox"/> OTH- ER
		E.L. EACH ACCIDENT				\$100,000	
		E.L. DISEASE - EA EMPLOYEE				\$100,000	
		E.L. DISEASE - POLICY LIMIT				\$500,000	
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

 Qualifier Name: H J McDonald, Jr.
 State License Number CRC001864

CERTIFICATE HOLDER Columbia County Bldg Dept 35 N Hernando Street Lake City, FL 32055	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>10</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE <i>B. F. Pats Daves</i>
--	---

This Instrument Prepared by:

Record & Return to:

Window Supply, Inc.

Post Office Box 830157

Ocala, FL 34483-0157

Inst:2007002868 Date:02/06/2007 Time:12:02

A.7 DC, P. Dewitt Cason, Columbia County B:1109 P:2623

Columbia
County

Tax Folio No. 26-45-15-00401-123 HX VX

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF

Columbia

THE UNDERSIGNED hereby give 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.

1. Description of Property: LOT 3 Black B LongTree S/D. JCB 812-2385
884-1809
2. General description of improvement: Metal Roof Over
3. Owner information:
 - a. Fee Simple Titleholder
 - b. Name: Gerald Ward
 - c. Address: 8160 SW County Rd 242
Lake City, FL 32024
4. Contractor:
H. J. McDonald, Jr. or
James Gardner Strickland
Window Supply, Inc.
Post Office Box 830157
Ocala, FL 34483-0157
5. Surety: Not Applicable
6. Lender:
 - a. Name and Address:
7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(12)(b), Florida Statutes:
8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(12)(b), Florida Statutes:
9. Expiration date of notice of commencement _____, 20

DL#: W630-296-46-3350

Gerald Ward (Signature)

DL#: _____

Owner Name: Gerald Ward
Address: 8160 SW County Rd 242
Lake City, FL 32024

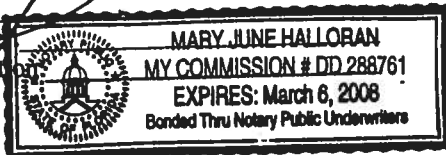
Sworn to and subscribed before me by Gerald Ward who produced
as identification and who did not take an oath, this 5th day of

January 2007

Notary Public
Printed Name:

Commission Number

Commission Expiration



Seal



WINDOW SUPPLY, INC.

P. O. Box 830157 ~ Ocala, Florida 34483
352-694-2580 ~ fax 352-694-6939

Date: 1/16/2007

License Holder: H.J. McDonald Jr.

State License Number: CR-C001864

Marion County License Number: SCC454

I, H.J. McDonald Jr., do hereby name the following person who works for Window Supply, Inc. d/b/a National HomeCraft to be my lawful agent in fact to do all things necessary to obtain permits in the Columbia County Florida.

Name

Signature

James Cook

Authorization is good for one (1) year from the above date. Any other authorization that was given is here by null and void.

H.J. McDonald Jr.

Subscribed before me this 1/16/2007, by H.J. McDonald Jr. who is personally known to me and did not take an oath.


Notary Public
State Of Florida At Large



Contract and Agreement

WINDOW SUPPLY, INC.

P.O. Box 830157
Ocala, FL 34483-0157

CONTRACT AMOUNT

13776

DOWN PAYMENT

AMOUNT OF CONSOLIDATION

TOTAL BALANCE

13776

DATE

1-5-07

Phone: (352) 694-2580 • (352) 694-6939 • Toll Free (800) 897-2637

I/We the owner(s) of the premises mentioned below, hereby engage and hire you as contractor, to furnish and install all necessary materials and labor, to install, construct and place the improvements according to the following specifications, terms and conditions, on and in the premises below described which we warrant and represent that we have good record title as to owners in our own name.

OWNER'S NAME(S)

Gerald R. Warr

PHONE

386-719 4315

ADDRESS

8160 SW CR 242

CITY

Lake City

STATE

FL

ZIP

32024

DESCRIPTION OF WORK TO BE DONE AND MATERIALS TO BE USED:

Evergreen - 29 Gauge

Complete entire in Evergreen - 29 Gauge
Include removal of front porch roof
And decking and replace with same
29 gauge Evergreen without barrier or
decking

Removal of roof in full radiant
barrier, vent ridge, and edge.
Includes all labor, materials, fasts
Accessories, debris removal and
taxes and permits

Contractor has public liability insurance. All sub-contractors have certificate of insurance or certificate of exemption at the time the services are rendered.

The undersigned contractor agrees to sell and the undersigned buyer(s) jointly and severally, if more than one) agrees to purchase the above described goods and services which are to be furnished or used in the modernization, rehabilitation, repair, alteration or improvement of real property located at buyer's address given above. WINDOW SUPPLY, INC. reserves the right to assign this contract to another Licensed Contractor at its discretion.

APPROXIMATE START DATE

ASAP

APPROXIMATE COMPLETION DATE

LOAN PROPOSAL

Buyer(s) may request seller to arrange a loan in the amount necessary to cover the price under this agreement. If seller is unable to arrange such a loan, this contract is automatically terminated.

Because of the large number of sources where seller may arrange such a loan and because each of them has various methods of computing the loan cost, it is impossible to furnish a full disclosure statement as required by law, until such time as seller is able to obtain an "Agreement to Loan" from one or another financial source. If the buyer(s) should request the seller to arrange a loan, a full disclosure statement will be furnished immediately upon obtaining an "Agreement to Loan." An "Agreement to Loan" from another financial source is customarily secured by mortgage of real estate.

Based on the terms of this contract the repayment term of the loan shall be approximately 180 months and the monthly payments shall be approximately \$1150 per month, (excluding insurance, points, appraisals, property reports, etc., which may or may not be part of your loan, but including finance charges/interest based on the terms of this contract).

NOTICE TO OWNER

- Do not sign this home improvement contract in blank.
- You are entitled to a copy of the contract at the time you sign. Keep it to protect your legal rights.
- This home improvement contract may contain a mortgage or otherwise create a lien on your property that could be foreclosed on if you fail to pay. Be sure you understand all provisions of the contract before you sign.
- This contract is subject to review and approval by management of Window Supply Inc. and is not valid until approved.

CONSTRUCTION INDUSTRIES RECOVERY FUND

Payment may be available from the Construction Industries Recovery Fund if you lose money on a project performed under contract, where the loss results from specified violations of Florida Law by a State-Licensed Contractor. For information about the recovery fund and filing claim, contact: Florida Construction Industry Licensing Board c/o 1940 North Monroe St. Tallahassee, FL 32399-0783 (904) 727-6530.

ACCEPTANCE - The prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

NOTICE OF RIGHT TO CANCEL CONTRACT

You the buyer, may cancel this transaction at any time prior to midnight of the third business day after the date of this transaction. See the attached notice of cancellation form for an explanation of this right.

Agent Patricia L. L... Date 1/5/07
Buyer Gerald R. Warr Date 1/5/07
Co-Buyer _____ Date _____

BUYER ACKNOWLEDGES RECEIPT OF THIS CONTRACT IMMEDIATELY UPON THE EXECUTION HEREOF.

FLORIDA CONTRACTORS LICENSE # CR-C001864



The Florida Department of Community Affairs Building Code Information System

Product Type Detail

PRODUCT APPROVAL

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

[Need Help?](#)

Application #: FL4586
Date Submitted: 06/03/2005
Code Version: 2004
Product Manufacturer: UNION CORRUGATING COMPANY
Address/Phone/email: 701 S KING ST
FAYETTEVILLE, NC 28301
(910) 483-0479

Technical Representative: Dave Hart
Technical Representative Address/Phone/email: 701 S King St
Fayetteville, NC 28303
(910) 483-0479
dhart@unioncorrugating.com

Category: Roofing
Subcategory: Non-structural Metal Roofing
Evaluation Method: Certification Mark or Listing

Referenced Standards from the Florida Building Code:
Section Standard Year
1504.3.2 UL 580 1994
Underwriters Laboratories Inc.

Certification Agency:

Quality Assurance Entity:

Validation Entity:

Authorized Signature:

Glenn Hart
dhart@unioncorrugating.com

Evaluation/Test Reports Uploaded:
Installation Documents Uploaded:

PTID 4586 1 SVPanelsProfile.pdf
PTID 4586 1 AdLokPanelProfile.pdf

http://www.floridabuilding.org/pr/pr_detail.asp?IPT=4586&RV=0&fm=ROSrch

11/10/2005

up to Stuart

PTID 4586 I MasterRibPanelProfile.pdf
PTID 4586 I Trim Installation.pdf

Product Approval Method:

Method 1 Option A

Application Status:

Approved

Date Validated:

06/03/2005

Date Approved:

06/29/2005

Date Certified to the 2004 Code:

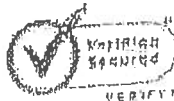
Page 1/1

Page



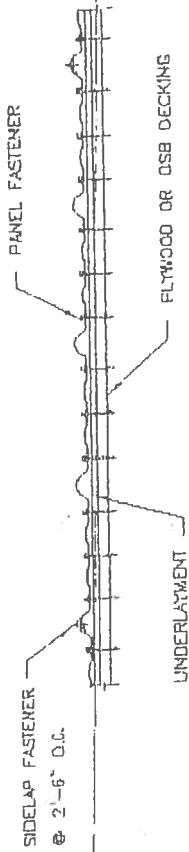
App/Seq #	Product Model # or Name	Model Description	Limits of Use
4586.1	5V	Min 29 ga. Through Fastened Metal Roof	UL Construction 579. Not for use in HVHZ. Design Pressure = 52.5 psf. Increased Design pressures at perimeter and corner areas, in compliance with FBC Chapter 16, may be met through rational analysis.
4586.2	Advantage Lok	Min 29 ga. Standing Seam Metal Roof	UL Construction 529. Not for use in HVHZ. Design Pressure = 52.5 psf. Increased Design pressures at perimeter and corner areas, in compliance with FBC Chapter 16, may be met through rational analysis.
4586.3	MasterRib	Min 29 ga. Through Fastened Metal Roof	UL Construction 584. Not for use in HVHZ. Design Pressure = 52.5 psf. Increased Design pressures at perimeter and corner areas, in compliance with FBC Chapter 16, may be met through rational analysis.

Next

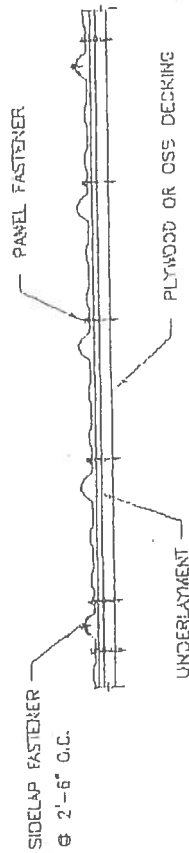


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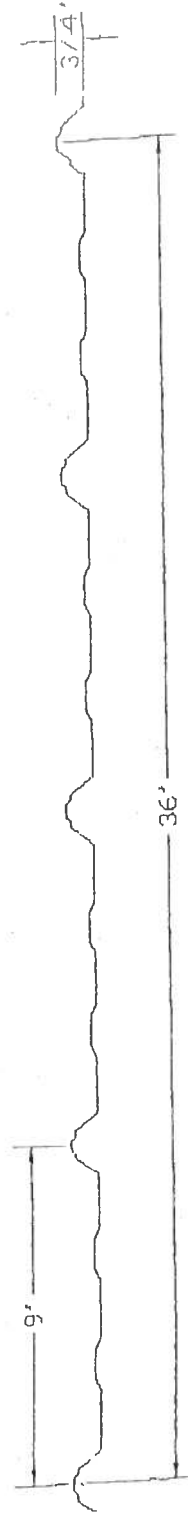
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FASTENER PATTERN @ EAVE, RIDGE & VALLEY



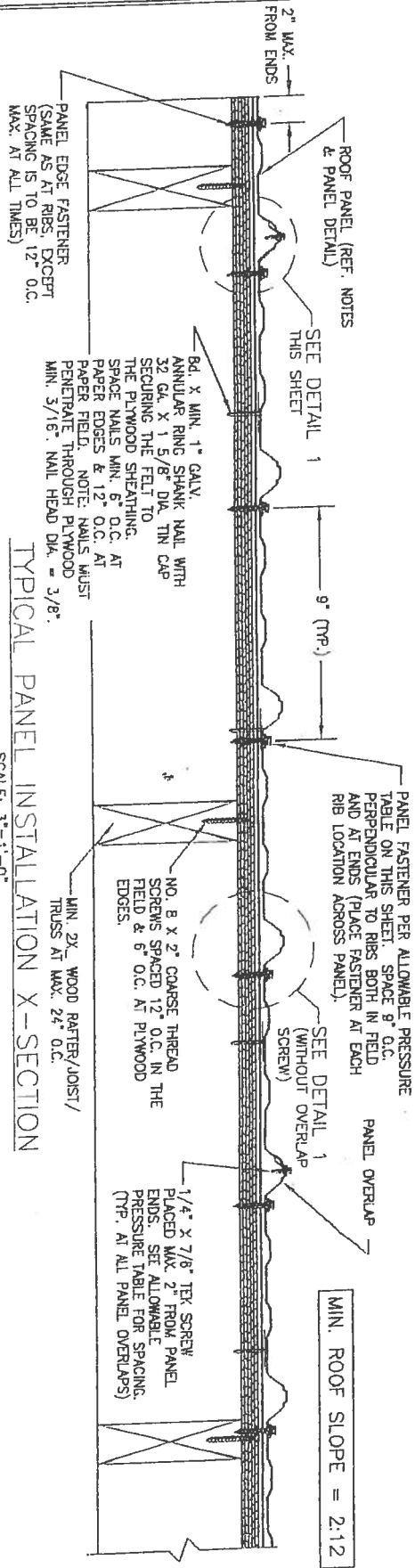
FASTENER PATTERN @ INTERMEDIATE LOCATIONS



MasterRib Panel Profile

26 or 29 Gauge, Min. Yield = 80 KSI
ASTM A792 for Galvalume Steel
ASTM A755 for Painted Steel
ASTM A653 for Galvanized Steel

UNION CORRUGATING COMPANY	
201 SOUTH MAIN ST.	
FARMINGTON, CT 06030	
TEL: (860) 646-1111 FAX: (860) 646-1111	
DATE	7-24-2004
BY	Don Kasper
CHKD	Don Kasper
APPROVED	Don Kasper
Sheet No. 1 of 1	



TYPICAL PANEL INSTALLATION X-SECTION

SCALE: 3"=1'-0"

ALLOWABLE UPLIFT PRESSURE

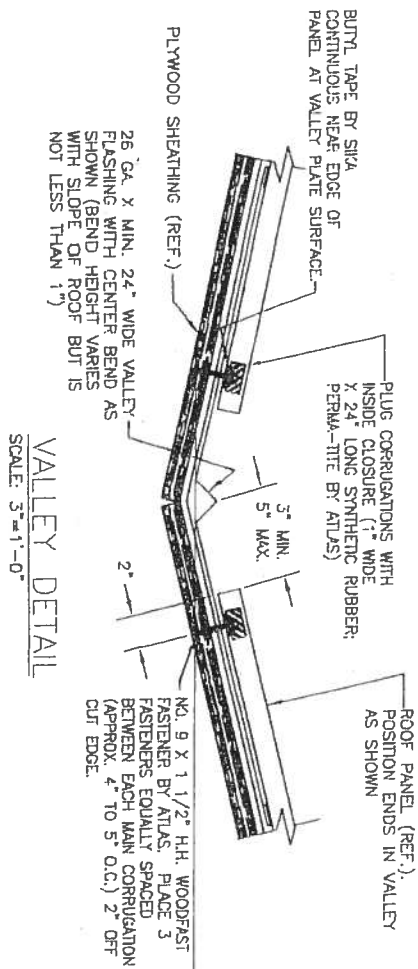
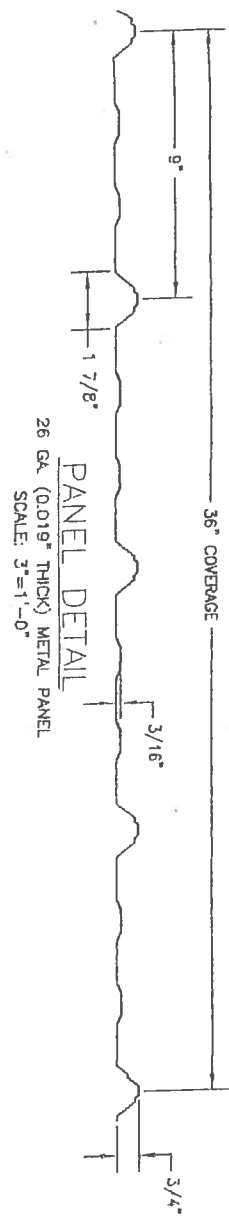
ZONE	OVERLAP FASTENERS SPACING ALONG RIB	PANEL FASTENERS SPACING ALONG RIB	PRESSURE (PSF)
FIELD	30"	30"	61.8
PERIMETER & CORNER	24"	24"	114.3

GENERAL NOTES:

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. ALL ROOF PANELS ARE FURNISHED FROM A 41" WIDE COIL & SHALL BE 24 GA. (1" = .0119") AS PER SPEC. GRADE 1 OR GRADE 2 (ASTM A-653 OR A-653) STEEL FINISHED WITH GALVALUME-550 S100 S100K POLYESTER FINISH. EFFECTIVE COVERING WITH OF PANEL SHALL BE 30" MIN.
3. THE ROOF PANELS SHALL BE INSTALLED OVER SHEATHING & STRUCTURE AS SPECIFIED ON THESE DRAWINGS.
4. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHERE THE REQUIRED DESIGN WIND LOADS ARE EXCEEDING THE MAXIMUM ALLOWABLE WIND LOADS OF 140 PSF (140 PSF = 140 PSF).
5. BUILDING CODE IF A DIFFERENCE OCCURS BETWEEN THE MINIMUM REQUIREMENTS OF THESE DRAWINGS & THE CODE, THE CODE SHALL CONTROL.
6. REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS. THIS ROOF PANEL SYSTEM IS NOT DESIGNED TO BE USED FOR (HOLD DOWN PANEL) AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SPECIFIED ON THESE DRAWINGS.
7. ROOF PANEL MANUFACTURER'S LABEL SHALL BE PLACED AT THE END OF EACH PANEL AND SHALL READ: UNION CORRUGATING CO. FAYETTEVILLE, NC.
8. MINIMUM ROOF SLOPE SHALL NOT BE LESS THAN 2:12.

SEE SHEET 2 FOR VALLEY DETAILS

CERTIFICATION DRAWING NO. 1428 SHEET NO. 1 OF 2		DRAWING TITLE MASTER RIB ARCHITECTURAL METAL ROOF PANEL		CONSULTANTS BALA SOCKALINGAM, PH.D., P.E. 8711 S. WILEY AVE., SUITE 200 TULSA, OK 74135 PHONE: 918-492-5992 FAX: 918-492-2487		MANUFACTURER UNION CORRUGATING CO. 701 S. KING STREET FAYETTEVILLE, NC 28301 910-403-2195	
DESIGNER B.A. DATE 1/12/02		CHECKED BY L.R. DATE 1/12/02		NO. REVISION DESCRIPTION BY DATE		DATE 1/12/02	



SEE SHEET 1 FOR PANEL DETAILS

NO.	REVISION	DESCRIPTION	BY	DATE

CERTIFICATION BALA SOCKALINGAM, P.E. P.E. NO. 62240	CONSULTANTS BALA SOCKALINGAM, PH.D., P.E. 8711 S. YALE AVE. SUITE 200 TULSA, OK 74116 PHONE: 910-482-5912 FAX: 910-102-2107	MANUFACTURER UNION CORRUGATING CO. 701 S. KING STREET FAYETTEVILLE, NC 28301 910-483-2195
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DRAWN BY: BK CHECKED BY: BK DATE: 12/23/95	PROJECT NO.: 1428 SHEET NO.: 2 OF 2
--	--

Installation Instructions for MasterRib®

Storage

If metal is not to be used immediately, store inside in a well-ventilated, dry location. Condensation or 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 affect 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 the panel immediately or several years later. To prevent white rust and staining, break the shipping bands on the material. Store the material on end or on an incline of at least 8" with a supporting board underneath to prevent sagging. Fan the sheets slightly at the bottom to allow for air circulation. 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.

Some Safety Precautions

Always wear heavy gloves when working with steel panels to avoid cuts from sharp edges. When cutting or drilling steel panels, always wear safety glasses and sweep off any metal shavings immediately to prevent eye injury from flying metal fragments. If you must walk on a metal roof, take great care. Metal panels can become slippery, so always wear shoes with non-slip soles. Avoid working on metal roofs during wet conditions when the panels can become extremely slippery. Walking or standing on a metal roof which does not have a plywood or other deck beneath it is not recommended. However, if you must do so, always walk on the purlins, never between. Do not for any reason walk on a roof made of material less thick than 29 gauge.

General Installation Information

Insure that the structure is square and true before beginning panel installation. If the structure is not square, the panels will not properly seal at the side laps. Green or damp lumber is not recommended. Moisture released from the damp lumber may damage the metal panels. Nails installed in green or damp lumber may back out.

The prevention of steel debris staining is the responsibility of the installer. The recommended tools for on site cutting are profile shears, hand shears, or electric nibblers. Friction saws and abrasive discs should not be used to cut panels. Remove any loose metal shavings left on roof surface immediately to prevent corrosion. After installing roof, remove any debris such as leaves or dirt to prevent moisture from getting trapped on panels.

Fastening

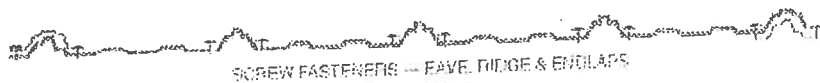
If you wish to predrill fastener holes, use a cover sheet to prevent hot shavings from sticking to panels.

Screws - For best results use a 1-1/2" double washered wood screw in the flat of the panel as shown in the illustration below. Fasteners should be applied at every purlin. Drive the fastener so that the washer is compressed securely against the metal. Do not over drive the fastener as this will form a dimple that can collect water and cause leakage. Do not leave any loose fasteners that have missed the purlin. Use a #14 stitch screw or caulk to fill the hole.

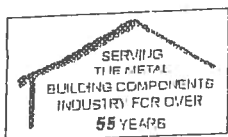
Nails - If the panels are nailed, use 1-3/4" ring-shanked neoprene washered nails. Nail into the crown of the major ribs of the panel as illustrated below. (See Figure #2). **NOTE:** If rigid insulation is used directly under the panel, the fastener length needs to be increased to allow a minimum of 1" penetration into the wood. General installation instructions listed above for screws also apply to nails. Do not apply nails into flat area of panel.

Figure #1 - Fastening Patterns for MasterRib®

RECOMMENDED FASTENING PATTERN FOR 1-1/2" SCREWS



FASTENING PATTERN FOR 1-3/4" NAILS



UNION
CORRUGATING COMPANY
Fayetteville, NC

www.unioncorrugating.com

Figure #2 - (Nails only)

UNDER DRIVEN CORRECT OVER DRIVEN



Figure #3



SPENCER STEEL SUPPLY
SPRINGER, NC

ANDERSON STEEL SUPPLY
ANDERSON, SC

ORANGE STEEL ROOFING PRODUCTS
ORANGE, VA

DIXON STEEL PRODUCTS
DIXON, IL

UNICO METAL PRODUCTS
OKLAHOMA CITY, OK

VICKSBURG METAL PRODUCTS
VICKSBURG, MS

DAYTON METALS
PIQUA, OH

GREAT PLAINS METALS
ATLANTA, GA



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

MC DONALD, H J JR
WINDOW SUPPLY INC
POST OFFICE BOX 830157
OCALA FL 34483-0157



STATE OF FLORIDA AC# PL37958
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

CRC001864 06/29/06 050813342

CERTIFIED RESIDENTIAL CONTRACTOR
MC DONALD, H J JR
WINDOW SUPPLY INC

IS CERTIFIED under the provisions of Ch. 489 FS.
Expiration date: AUG 31, 2008 L06062900942

DETACH HERE

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06062900942

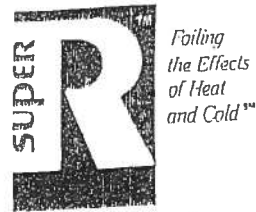
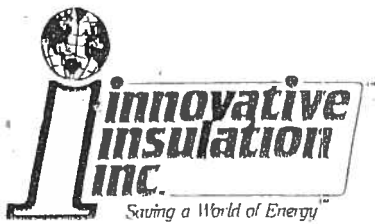
DATE	BATCH NUMBER	LICENSE NBR
06/29/2006	050813342	CRC001864

The RESIDENTIAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

MC DONALD, H J JR
WINDOW SUPPLY INC
4441 SE 53RD AVENUE
OCALA FL 34480

SIMONE MARSTILLER

TER RUSH



PRODUCT DATA SHEET

SUPER R™ DIAMOND (Residential)

PRODUCT: Two-Sided reflecting 99% pure aluminum foil with reinforced scrim

WEIGHT: 14.3 lb M/sf

TENSILE STRENGTH: Test Method ASTM D-882
Machine Direction: 14.9 lb/in width
Cross Direction: 5.2 lb/in width

FLAME SPREAD: 0*

SMOKE DEVELOPMENT: 5*

WATER VAPOR PERMEABILITY:
60g/m²/24hr***

THERMAL PROPERTIES: Emissivity 0.03****
(Reflects 97% of Infrared Energy)

SUPER R™ PREMIUM (Commercial)

PRODUCT: Two-sided reflecting 99% pure aluminum foil with poly fabric

WEIGHT: 16.5 lb M/sf

TENSILE STRENGTH: Test Method ASTM D-882
Machine Direction: 13.5 lb/in width
Cross Direction: 15.0 lb/in width

FLAME SPREAD: 5*

SMOKE DEVELOPMENT: 10*

WATER VAPOR PERMEABILITY:
60g/m²/24hr***

THERMAL PROPERTIES: Emissivity 0.03****
(Reflects 97% of Infrared Energy)

SUPER R™ PLUS (Industrial)

PRODUCT: Two-sided reflecting 99% pure aluminum foil with woven polyolefin

WEIGHT: 23.8 lb M/sf

TENSILE STRENGTH: Test Method ASTM D-882
Machine Direction: 64.0 lb/in width
Cross Direction: 30.0 lb/in width

FLAME SPREAD: 10*

SMOKE DEVELOPMENT: 10*

WATER VAPOR PERMEABILITY:
60g/m²/24hr***

THERMAL PROPERTIES: Emissivity 0.03****
(Reflects 97% of Infrared Energy)

UNITED STATES TESTING COMPANY, INC.

- * ASTM Test Method E-84-81A
- ** ASTM Test Method E-84-95
- *** ASTM E-96 Method A
- **** ASTM E-408

INNOVATIVE INSULATION, INC.

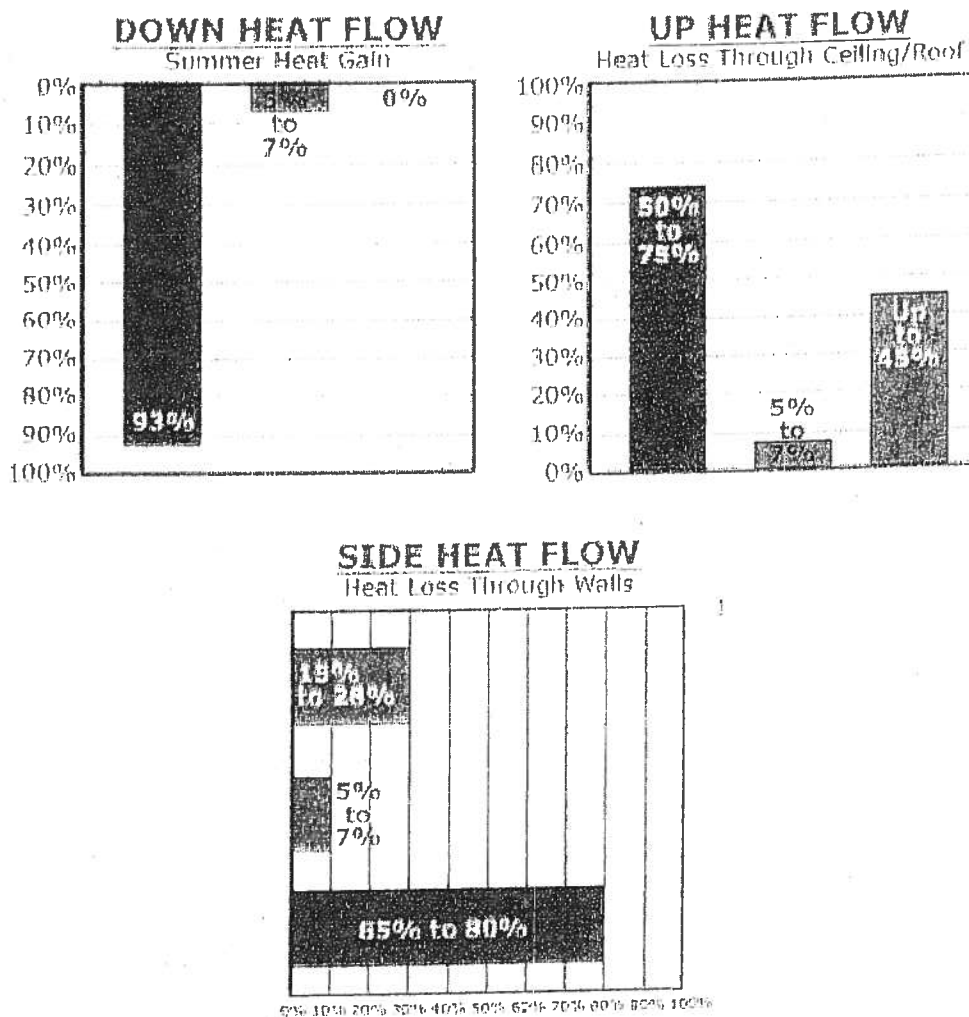
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e-mail address: info@radiantbarrier.com website: www.RadiantBarrier.com

What Is Radiant Barrier Reflective Insulation?

Radiant barrier insulation is a reflective insulation system that offers a permanent way to reduce energy costs. Radiant barrier insulation systems reflect radiant heat energy instead of trying to absorb it. A pure aluminum radiant barrier reflective insulation is unaffected by humidity and will continue to perform at a consistent level no matter how humid it may be. A radiant barrier insulation system is a layer of foil facing an airspace and is installed in the envelope of a building.

Most people are familiar with traditional insulating materials such as fiberglass, cellulose, Styrofoam, and rock wool. These products use their ability to absorb or resist (slow down) convective and conductive heat transfer to insulate (R-value). A third, seldom discussed but dominant form of heat transfer exists: **radiant heat transfer**. What are the differences among the three forms of heat transfer?



Conductive: Direct contact. If you touch a pot on the stove, this is conductive heat transfer.



Convective: Steam, moisture. If you put your hand above a boiling pot, you will feel heat in the form of steam. This is convective heat transfer.



Radiant: Electromagnetic. Step outside on a sunny day and feel the sun's rays on your face. You are feeling radiant heat transfer. All objects above absolute zero (-459.7 degrees F.) emit infrared rays in a straight line in all directions.

A radiant barrier **reflects** radiant heat energy instead of trying to absorb it. What does this mean in your home or business? During the winter, 50-75% of heat loss through the ceiling/roofing system and 65-80% of heat loss through walls is radiant. In the summer, **up to 93% of heat gain is radiant**. If you are depending on R-value (resistance) alone to insulate against heat gain and loss, remember that thin layers of fiberglass are virtually transparent to radiant energy and are affected by changes in humidity (moisture levels). A 1-1/2% change in the moisture content of fiberglass insulation will result in a **36% decrease** in performance (referenced from HVAC Manual 10.6; McGraw-Hill). A pure aluminum radiant barrier is unaffected by humidity and will continue to perform at a consistent level no matter how humid it may be.

Testing and Approvals

- Building Officials and Code Administrators
- International Conference of Building Officials
- Southern Building Code Congress International
- Metropolitan Dade County (FL) Building Code Compliance Dept.
- United States Testing Company
- Tennessee Valley Authority
- Tennessee Technological University
- State of California
- Oak Ridge National Laboratory
- Texas A & M University