

DATE 03/18/2013

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000030853

APPLICANT JASON ELIXSON PHONE 386.623.1741
ADDRESS 4853 W SR 238 LAKE BUTLER FL 32054
OWNER RHODA J. MOORE PHONE 386.752.3000
ADDRESS 278 SW MICHIGAN STREET LAKE CITY FL 32025
CONTRACTOR JASON ELIXSON PHONE 386.623.1741
LOCATION OF PROPERTY 41/441-S TO MICHIGAN, TL AND IT'S THE 1ST. HOME ON R.
BEHIND SOUTHLAND SALES.
TYPE DEVELOPMENT REROOF/SFD ESTIMATED COST OF CONSTRUCTION 10000.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH 4'12 FLOOR
LAND USE & ZONING MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 1 FLOOD ZONE DEVELOPMENT PERMIT NO.

PARCEL ID 08-4S-17-08285-000 SUBDIVISION LAKESIDE HEIGHTS
LOT 7/8 BLOCK 15 PHASE UNIT TOTAL ACRES

CCC1325779
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING JLW N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE.

Check # or Cash 4867

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
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 \$ 50.00 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 50.00
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.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"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 OF FLORIDA

COMPLETION

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 08-4S-17-08285-000

Building permit No. 0000330853

Permit Holder JASON ELIXSON

Type REROOF/SFD

Owner of Building RHODA J. MOORE

Location: 278 SW MICHIGAN STREET, LAKE CITY, FL 32025

Date: 04/23/2013

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)



Columbia County Building Permit Application

For Office Use Only	Application # <u>1303-42</u>	Date Received <u>3/18</u>	By <u>1</u>	Permit # <u>30853</u>
Zoning Official _____	Date _____	Flood Zone _____	Land Use _____	Zoning _____
FEMA Map # _____	Elevation _____	MFE _____	River _____	Plans Examiner _____
Date _____				
Comments _____				
<input type="checkbox"/> NOC <input type="checkbox"/> EH <input type="checkbox"/> Deed or PA <input type="checkbox"/> Site Plan <input type="checkbox"/> State Road Info <input type="checkbox"/> Well letter <input type="checkbox"/> 911 Sheet <input type="checkbox"/> Parent Parcel # _____				
<input type="checkbox"/> Dev Permit # _____ <input type="checkbox"/> In Floodway <input type="checkbox"/> Letter of Auth. from Contractor <input type="checkbox"/> F W Comp. letter				
IMPACT FEES: EMS _____ Fire _____ Corr _____ <input type="checkbox"/> Sub VF Form				
Road/Code _____ School _____ = TOTAL (Suspended) <input type="checkbox"/> Ellisville Water <input type="checkbox"/> App Fee Paid				

Septic Permit No. _____ Fax _____

Name Authorized Person Signing Permit Jason Elixon Phone 386-623-1741Address 4853 West SR 238 Lake Butler FL 32054Owners Name Rhoda Moore Phone 386-752-3000911 Address 278 SW Michigan Street Lake City FL 32025Contractors Name Jason Elixon Construction LLC Phone 386-623-1741Address 4853 West SR 238 Lake Butler FL 32054Fee Simple Owner Name & Address N/ABonding Co. Name & Address N/AArchitect/Engineer Name & Address N/AMortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 08-45-17-08285-000 Estimated Cost of Construction 10000.00Subdivision Name Lake Side Heights Lot 748 Block 15 Unit _____ Phase _____Driving Directions 41 South, Left on SW Michigan St, 1st house on the Right. Behind Southland SalesNumber of Existing Dwellings on Property 1Construction of new metal roof - SFD Total Acreage _____ 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 _____ Heated Floor Area _____ Total Floor Area _____ 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. **CODE: Florida Building Code 2010 and the 2008 National Electrical Code.**

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Rhoda Jean Moore

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

[Signature]
Contractor's Signature (Permittee)

Contractor's License Number CCC1325779
Columbia County
Competency Card Number 445

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 18th day of March 2013.

Personally known ☒ or Produced Identification _____

[Signature]
State of Florida Notary Signature (For the Contractor)

SEAL:



Columbia County Property

Appraiser

CAMA updated: 3/15/2013

2012 Tax Year

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

Interactive GIS Map

Print

Parcel: 08-4S-17-08285-000

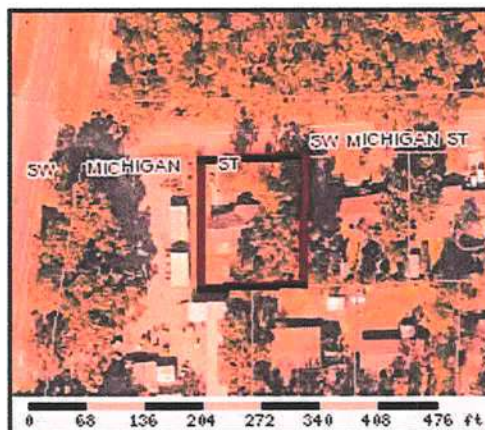
<< Next Lower Parcel

Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	MOORE RHODA JEAN & RHONDA		
Mailing Address	MOORE-LOTT 278 SW MICHIGAN ST LAKE CITY, FL 32025		
Site Address	278 SW MICHIGAN ST		
Use Desc. (code)	SINGLE FAM (000100)		
Tax District	2 (County)	Neighborhood	8417
Land Area	0.000 ACRES	Market Area	06
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. LOTS 7 & 8 BLOCK 15 LAKESIDE HEIGHTS S/D & ALSO THAT PART OF A CLOSED ALLEY CONTIGUOUS TO THE ABOVE DESC'D LOTS. RESOL# 93R-45 & REC IN ORB 784-1322. ORB 524-429, 633-021, 914-1480 WD 1050-808 (DC HUGH F MOORE 1231-2186) PROBATE 1231-2194		



Property & Assessment Values

2012 Certified Values		
Mkt Land Value	cnt: (0)	\$20,088.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (1)	\$98,490.00
XFOB Value	cnt: (4)	\$2,046.00
Total Appraised Value		\$120,624.00
Just Value		\$120,624.00
Class Value		\$0.00
Assessed Value		\$120,624.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$120,624 Other: \$120,624 Schl: \$120,624	

2013 Working Values

NOTE:

2013 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
3/22/2012	1231/2194	PB	I	U	18	\$100.00
6/23/2005	1050/808	WD	I	Q		\$138,000.00
11/15/2000	914/1480	WD	I	Q		\$75,000.00
9/17/1987	633/21	WD	I	Q		\$58,000.00
11/1/1983	524/429	WD	I	Q		\$49,000.00
10/1/1982	499/205	WD	I	Q		\$45,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1966	COMMON BRK (19)	2291	2584	\$97,243.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	0	\$300.00	0000001.000	0 x 0 x 0	(000.00)
0258	PATIO	0	\$60.00	0000001.000	0 x 0 x 0	(000.00)
0021	BARN,FR AE	0	\$1,386.00	0000600.000	20 x 30 x 0	(000.00)
0120	CLFENCE 4	1993	\$300.00	0000001.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	2 LT - (0000000.000AC)	1.00/1.00/1.00/1.00	\$10,044.00	\$20,088.00

Columbia County Property Appraiser

CAMA updated: 3/15/2013

1 of 1

DISCLAIMER

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

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. UNDERLAYMENTS	Grip-Rite	Synthetic underlayment	FL12510
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING	Millenium Metals	Rib Panel	FL 5211.3 R3
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
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N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS/ ANCHORS			
B. TRUSS PLATES			
C. ENGINEERED LUMBER			
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.



 APPLICANT SIGNATURE

3-15-2013

 DATE

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 08-45-17-08285-000

1. Description of property: (legal description of the property and street address or §11 address)

278 SW Michigan Street, Lake City, Florida

Lots 7 & 8 Block 15 Lakeside Heights S/D & also that part of a closed alley contiguous to the above desc'd lots.

Resol # 93R-45 & Rec in ORB 784-1322, ORB 524-429, 633-021, 914-1480

2. General description of improvement: new metal roof

3. Owner Name & Address Rhonda J. Moore - Lott, 14030 SE 204th Terrace, Hawthorne, Florida
Rhonda Jean Moore, Lake City, Florida Interest in Property _____

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name Jason Elixson Construction LLC Phone Number 386-623-1741
Address 4853 West SR 238 Lake Butler FL 32054

6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond _____

7. Lender Name _____ Phone Number _____
Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 712.13 (1)(a) 7, Florida Statutes:

Name _____

Address _____

Inst. 201312004007 Date: 3/18/2013 Time: 10:28 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1251 P: 863

9. In addition to himself/herself the owner designates _____ of _____
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

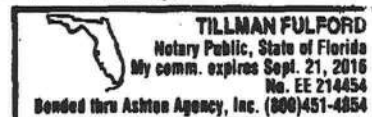
NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Rhonda J. Moore - Lott
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of Feb 14, 2013

NOTARY STAMP/SEAL



Tillman Fulpford



Columbia County

BUILDING DEPARTMENT

Inspection Affidavit

RE: Permit Number: 30853

I Jasan Elixson, licensed as a(n) Contractor* /Engineer/Architect,
(please print name and circle Lic. Type) FS 468 Building Inspector*

License #: CCC1325779

On or about 3-21-2013, I did personally inspect the
(Date & time)

☒ roof deck attachment ☐ secondary water barrier ☐ roof to wall connection

work at 278 SW Michigan St.
(Job Site Address)

Based upon that examination I have determined the installation was done according to the Hurricane Mitigation Retrofit Manual (Based on 553.844 F.S.)

[Signature]
Signature

STATE OF FLORIDA
COUNTY OF

Sworn to and subscribed before me this 2 day of April, 2013

By [Signature], Notary Public, State of Florida



(Print, type or stamp name)

Personally known ☒ or

Produced Identification ☐ Type of identification produced. _____

* Include photographs of each plane of the roof with the permit number clearly shown marked on the deck for each inspection. Place a tape measure next to the nailing pattern to show distance between nails.

* Photographs must clearly show all work and have the permit number indicated on the roof.

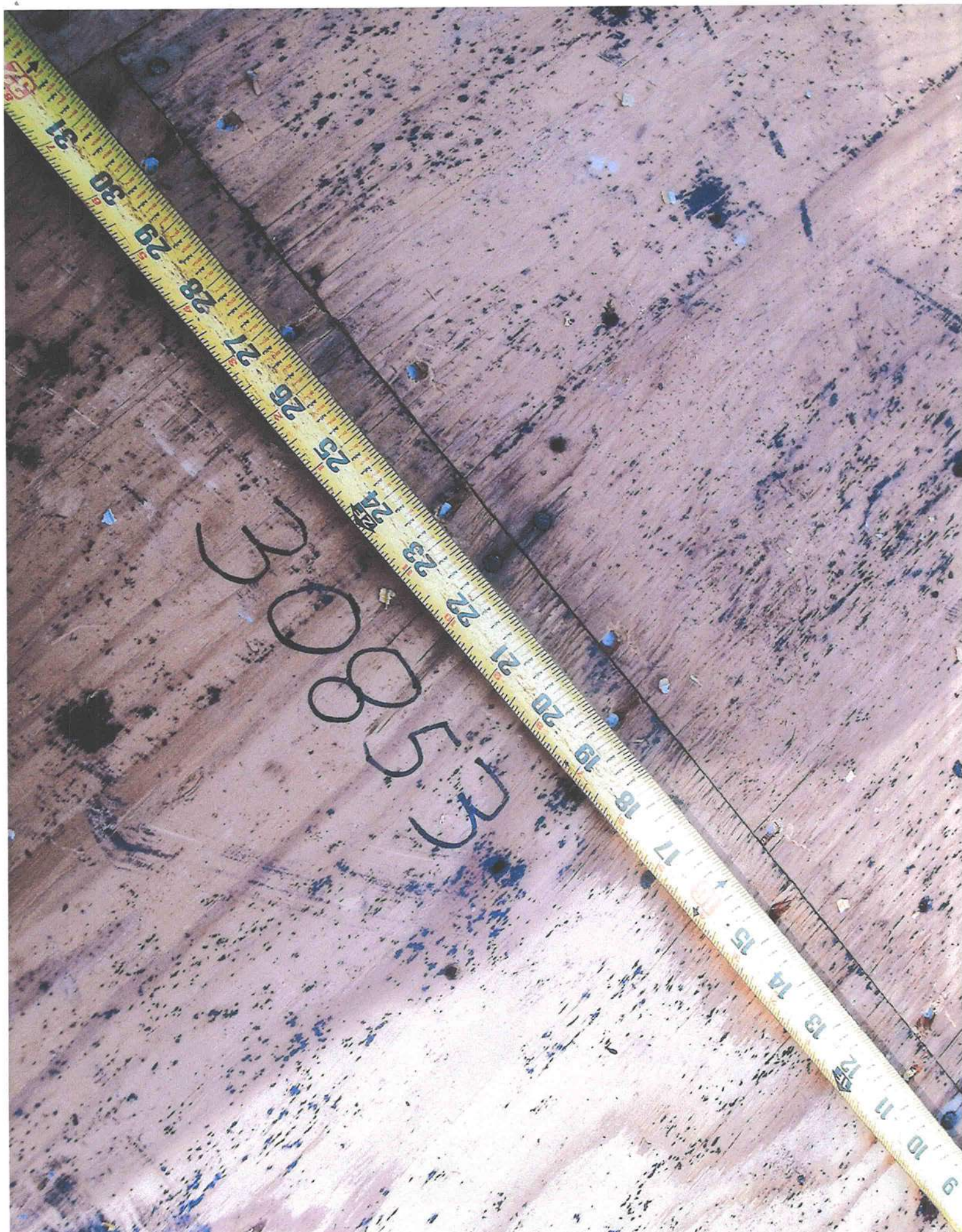
* Affidavit and Photographs must be provided when final inspection is requested.











30857

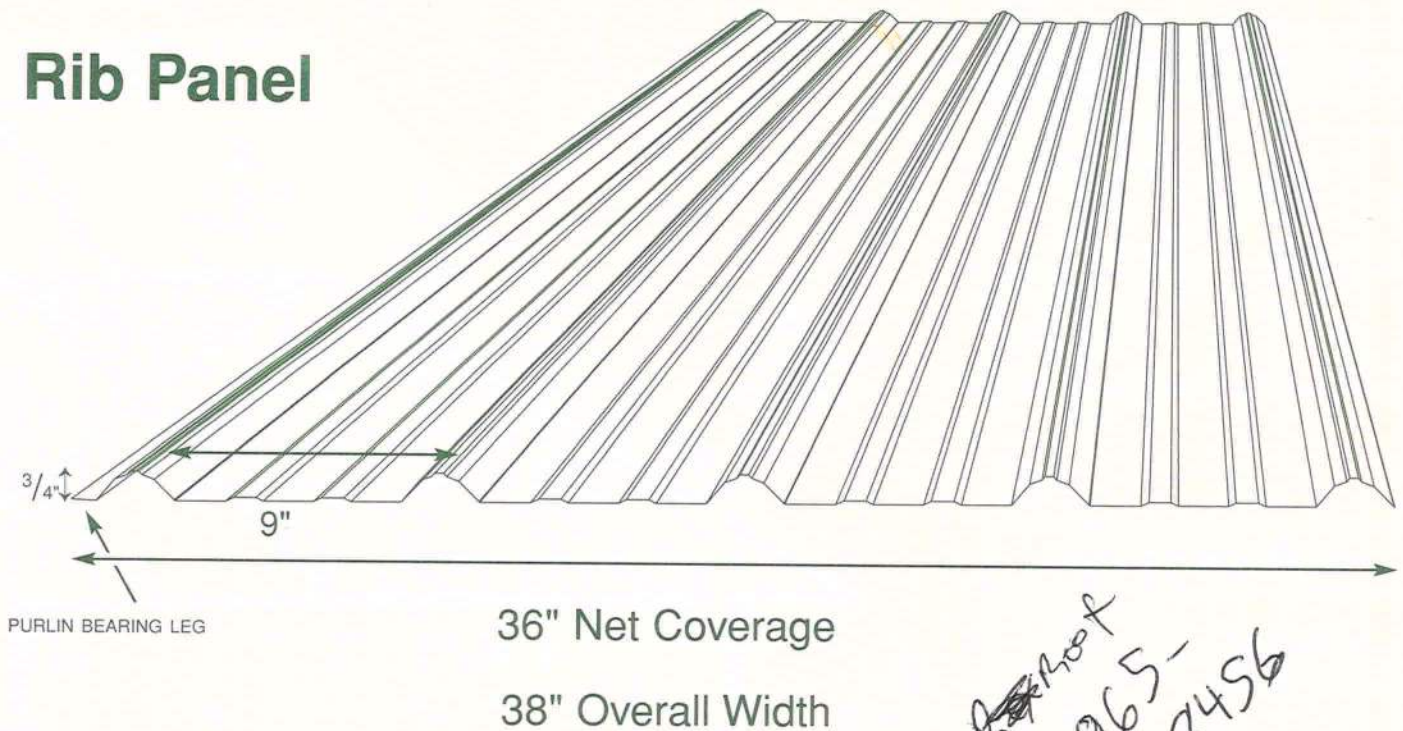




MILLENNIUM METALS, INC.

10200 EASTPORT ROAD • JACKSONVILLE, FL 32218
904-358-8366 • WATTS 1-877-358-7663 (ROOF)
FAX 904-358-8285

Rib Panel



Specifications:

For use on Slopes $\frac{3}{12}$ or Greater!

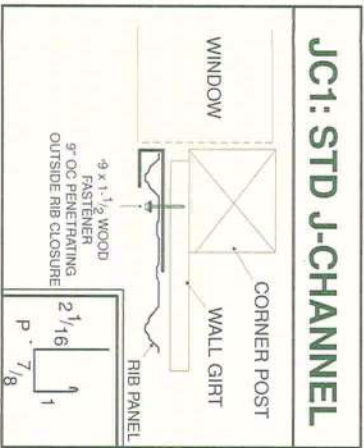
Gauge	Finishes	Thickness	ASTM & Grade Specifications
29	Galvanized	.0142	ASTM A-653 Grade 80 Structural Steel
29	* PTD Galvanized	.0142	ASTM A-653 Grade 80 Structural Steel
26	** PTD Galvanized	.0185	ASTM A-653 Grade 80 Structural Steel
29	Acrylic Galvalume	.0142	ASTM A-792 AZ55 Grade 80 Structural Steel
26	Acrylic Galvalume	.0185	ASTM A-792 AZ55 Grade 80 Structural Steel

* RED, WHITE, BLUE, GRAY, HUNTER GREEN, STONE, BROWN, CHARCOAL and TAN.

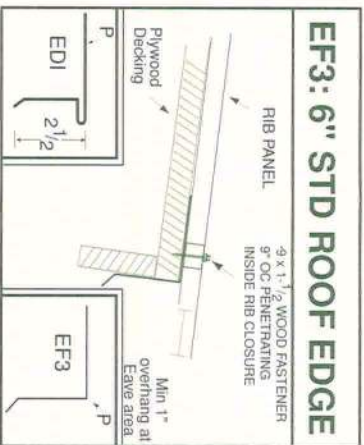
** RED, WHITE, HUNTER GREEN, GALLERY BLUE, TAN, STONE, and GRAY

MILLENNIUM METALS OFFERS A LIMITED 25 YEAR WARRANTY ON PAINTED PANELS
AND A LIMITED 20 YEAR WARRANTY ON MILL FINISHED GALVALUME PANELS.
CONSULT YOUR DISTRIBUTOR ON REQUESTING WARRANTY.

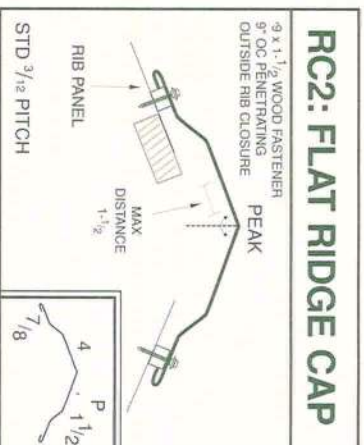
A.



E.



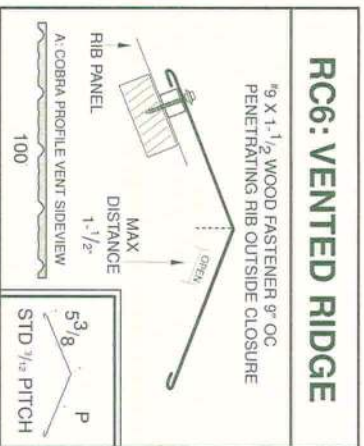
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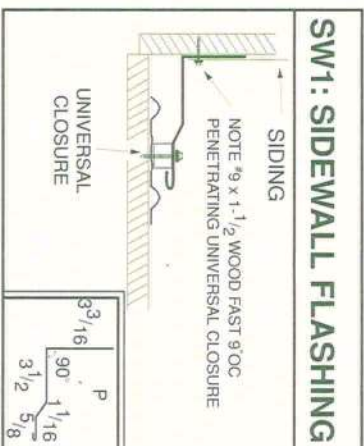
RIDGE

ANGLE	CONVERSION	ANGLE
PITCH		
2/12		16.1°
3/12		15.2°
4/12		14.3°
5/12		13.4°
6/12		12.7°

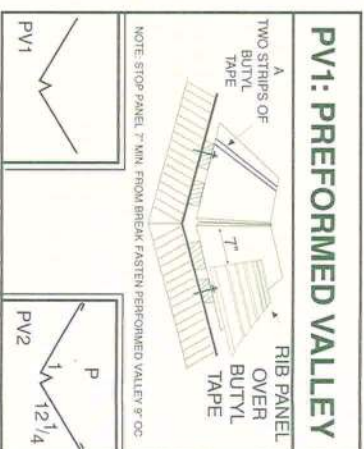
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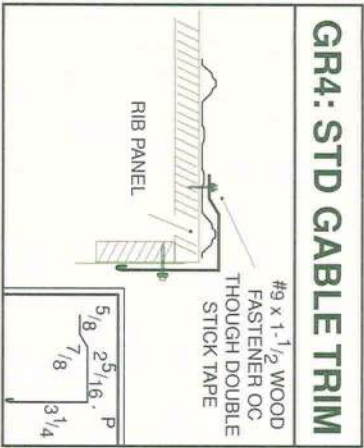
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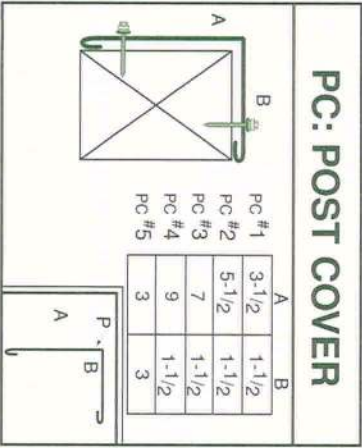
M.



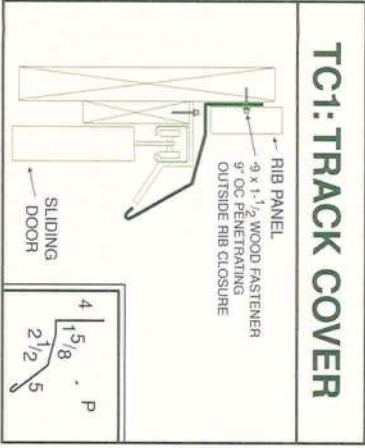
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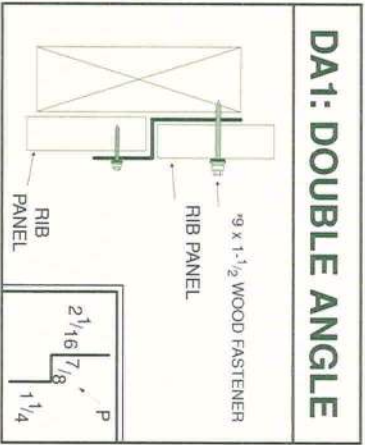
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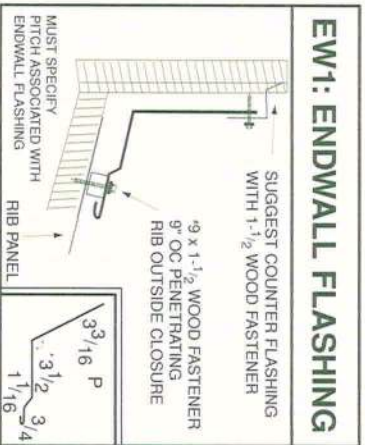
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F.



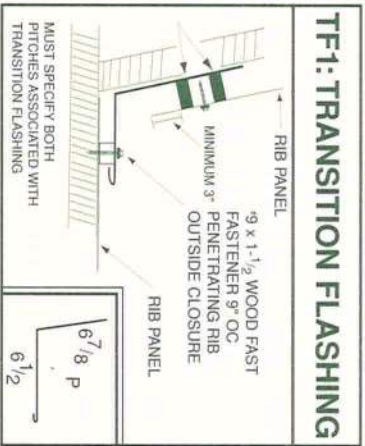
H.



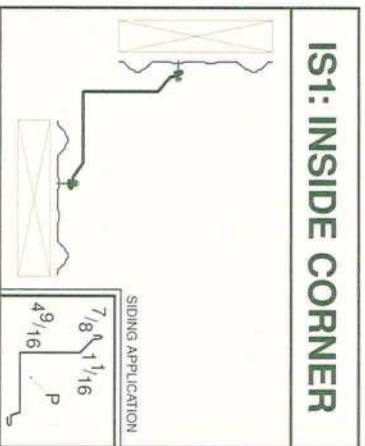
TRANSITION ENDWALL

ANGLE	CONVERSION	ANGLE
PITCH		
2/12		9.9°
3/12		10.4°
4/12		10.8°
5/12		11.3°
6/12		11.7°

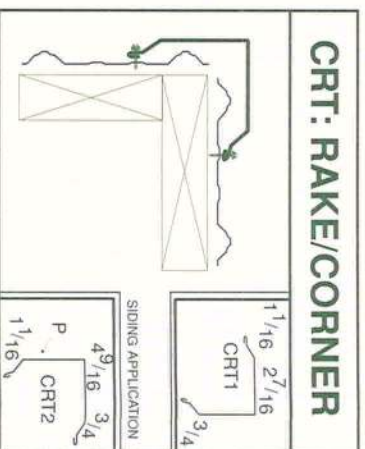
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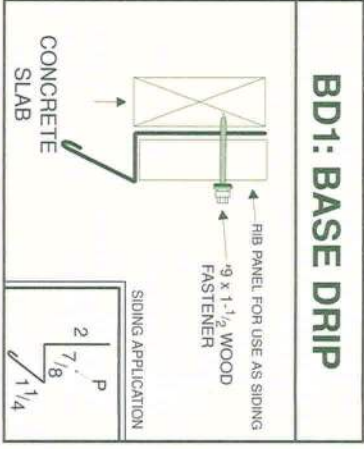
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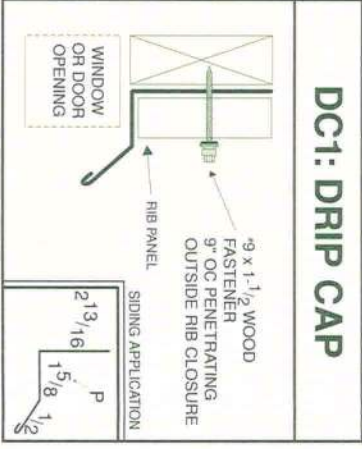
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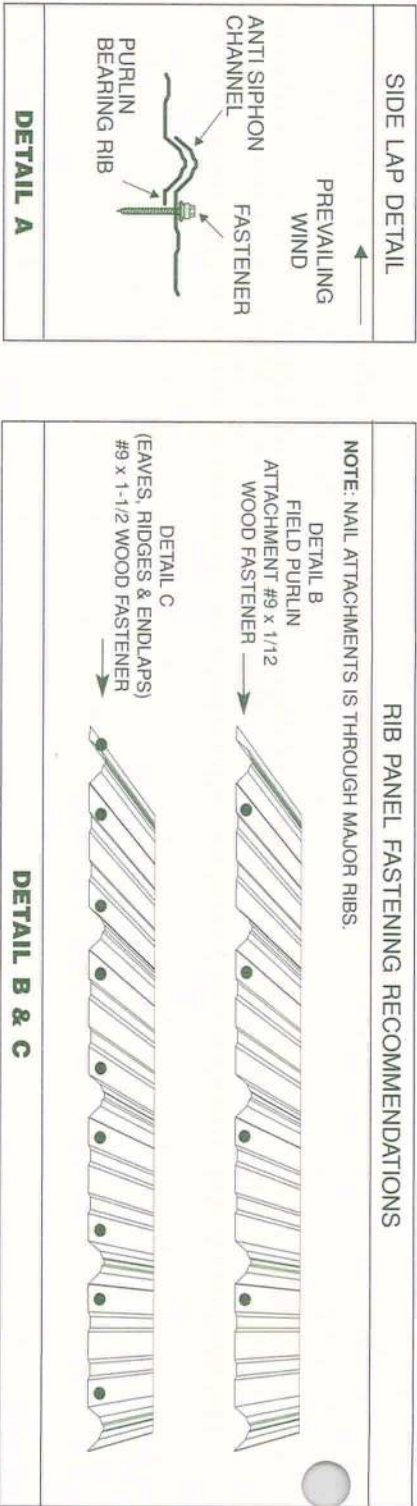
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O.



RIB PANEL INSTALLATION GUIDE



Millennium Metals recommends the use of a solid deck with felt on residential applications. This recommendation is made to help eliminate condensation issues. Battens are optional with solid deck applications or over existing shingles. Note shingles cannot be battened over if more than two layers exist. Roof decking integrity should be checked to insure adequate pull out in **any reroofing** application. Battens should be 1 x 3 yellow pine spaced on 16" centers. Open purlin applications on commercial or agricultural applications should be spaced no more than 24" on center.

ROOF APPLICATION:

Step 1: Make sure the deck is level and square.

Step 2: Install Eave Drips/Roof Edge and Valleys according to details. Remember to use inside closure strips between Eave and Panel to eliminate water infiltration. Trim should be fastened 7" on center.

Step 3: Panel placement should begin on the Gable End opposite of the Prevailing Wind. Starter Edge should be the Lap Edge. (Opposite of Purlin Bearing Leg) after lying first panel check for squareness panel 2 should be lapped over Purlin Bearing Leg of panel 1 with the Lap Edge. A minimum 1" overhang is recommended at the Eave. Alternative method of panel placement may begin in the center of the roof. Often this method is used when the area covered is not disable by 3' or traditional placement allows for a Pipe Flashing to occur in a Side Lap. Endlaps must be a minimum of 12" and two strips of Butyl Sealant is recommended 8" on uphill side of lap to keep watertight.

Step 4: Fasten panel according to Detail C or D depending on the area of application. Detail D shows additional screws to be spaced on each side of major Ribs for all Eaves, Ridges and Endlaps.

Step 5: Any field cutting must be done with metal nibblers, metal snips or blades designed for metal cutting. No cutting should be done on the roof, as it will cause iron shavings to be spread and adhere to roof panels. Proper cutting should be done exposed panel finished side down.

Step 7: Install the remaining accessories such as Pipe Boots, Rib Profile Vent, Ridge Cap and Gable Flashing. Butyl Sealant, Caulking and Closures are necessary to maintain watertight seals. Inspect screw fasteners to insure that they are installed properly. (See Detail D)

Step 8: Field clean the roof surface with broom to be sure any iron shavings are removed.

PITCH ALERT!!! RIB PANEL REQUIRES A MINIMUM 3/12 PITCH TO MAINTAIN WATER DRAINAGE. THIS PRODUCT IS CONSIDERED STRUCTURAL HOWEVER IT IS NOT SAFE TO WALK ON.

ATTENTION INSTALLER!!! WHEN USING FASTENERS TO PENETRATE STEEL SHEETS THE IRON PARTICLES TEND TO GO AIRBORNE AND SETTLE ON THE SHEET. IT IS NECESSARY TO REMOVE THESE PARTICLES TO PREVENT EMBEDMENT AND RUST MARKS.

FASTENERS #9 X 1-1/2 WOOD TYPE		
CORRECT	TOO LOOSE	TOO TIGHT
EDPM MATERIAL VISIBLE AT WASHER. FASTENER IS PROPERLY INSTALLED.	EDPM NOT AT VISIBLE JOINT. NOT ENOUGH COMPRESSION TO MAKE A SEAL.	EDPM IS PANNED AND IS PROTRUDING BEYOND EDGE OF FASTENER.

ENGINEERING CONSIDERATIONS
Code requirements vary from area to area and job type as well as roof configuration. Job specific engineering is available for a nominal fee by a structural engineer. The engineering is not a service provided by Millennium Metals and we accept no liability as to contracted work between parties. Please consult your local building code for proper procedures so we may assist you with your application.

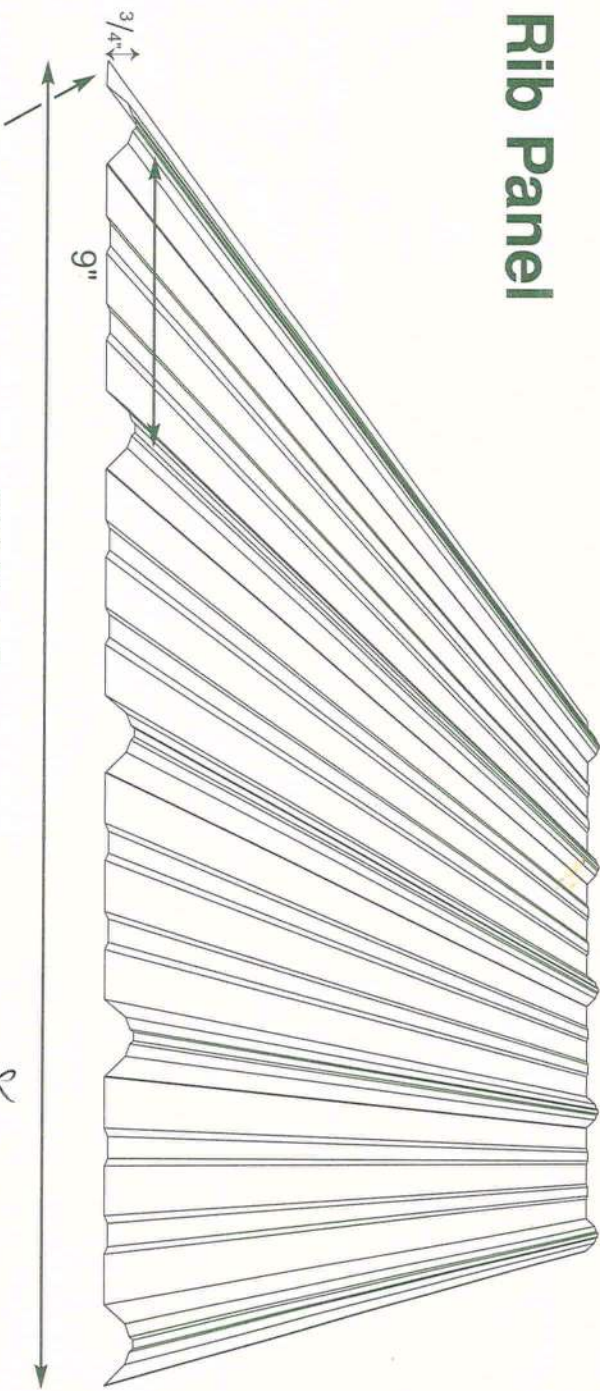
MILLENNIUM METALS INC. 10200 EASTPORT RD. JACKSONVILLE, FL 32218
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10200 EASTPORT ROAD • JACKSONVILLE, FL 32218
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Rib Panel



36" Net Coverage
38" Overall Width

Specifications:

For use on Slopes 3/12 or Greater!

Gauge	Finishes	Thickness	ASTM & Grade Specifications
29	Galvanized	.0142	ASTM A-653 Grade 80 Structural Steel
29	* PTD Galvanized	.0142	ASTM A-653 Grade 80 Structural Steel
26	** PTD Galvanized	.0185	ASTM A-653 Grade 80 Structural Steel
29	Acrylic Galvalume	.0142	ASTM A-792 AZ55 Grade 80 Structural Steel
26	Acrylic Galvalume	.0185	ASTM A-792 AZ55 Grade 80 Structural Steel

* RED, WHITE, BLUE, GRAY, HUNTER GREEN, STONE, BROWN, CHARCOAL and TAN.
** RED, WHITE, HUNTER GREEN, GALLERY BLUE, TAN, STONE, and GRAY

MILLENNIUM METALS OFFERS A LIMITED 25 YEAR WARRANTY ON PAINTED PANELS AND A LIMITED 20 YEAR WARRANTY ON MILL FINISHED GALVALUME PANELS. CONSULT YOUR DISTRIBUTOR ON REQUESTING WARRANTY.