

DATE 12/07/2010

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000029049

APPLICANT NORA L. TERRY PHONE 386.755.2735  
ADDRESS 4853 W. SR. 238 LAKE BUTLER FL 32054  
OWNER KEITH JARVIS & MICHAEL ZUKAS PHONE 386.497.2820  
ADDRESS 175 SW SANTA FE DRIVE FT. WHITE FL 32038  
CONTRACTOR JASON ELIXSON PHONE 386.755.2735  
LOCATION OF PROPERTY 47-S TO US 27,TR TO RIVERSIDE,TR TO UTAH,TL TO CENTRAL,TR  
TO DOT PL,TR TO SANTA FE,TL HOME ON L.  
TYPE DEVELOPMENT REROOF/SFD ESTIMATED COST OF CONSTRUCTION 5400.00  
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES  
FOUNDATION WALLS ROOF PITCH 6'12 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 36-6S-15-00893-013 SUBDIVISION 3 RIVERS ESTATES  
LOT 71-73 BLOCK PHASE UNIT 12 TOTAL ACRES 3.00

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

Check # or Cash 3673

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 30.00 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 30.00  
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**

<b>For Office Use Only</b>	Application # <u>1012-08</u>	Date Received <u>12/7</u>	By <u>JW</u>	Permit # <u>29049</u>
Zoning Official _____	Date _____	Flood Zone _____	Land Use _____	Zoning _____
FEMA Map # _____	Elevation _____	MFE _____	River _____	Plans Examiner _____
Comments _____				
<input type="checkbox"/> NOC <input checked="" type="checkbox"/> DEH <input type="checkbox"/> Deed or PA <input type="checkbox"/> Site Plan <input type="checkbox"/> State Road Info <input type="checkbox"/> Parent Parcel # _____				
<input type="checkbox"/> Dev Permit # _____ <input type="checkbox"/> In Floodway <input checked="" type="checkbox"/> Letter of Auth. from Contractor <input type="checkbox"/> F W Comp. letter				
IMPACT FEES: EMS _____ Fire _____ Corr <u>on file</u> Road/Code _____				
School _____ = TOTAL <u>0</u>				

Septic Permit No. NA Fax 755-2735

Name Authorized Person Signing Permit Nora L. Terry Phone 755-2735

Address 4853 West SR 238, Lake Butler, FL 32054

Owners Name Keith Jarvis & Michael Zukas Phone (386) 497-2820

911 Address 175 SW Santa Fe Dr., Ft. White, FL 32038

Contractors Name Jason Elixson Construction, LLC Phone 755-2735

Address 4853 West SR 238, Lake Butler, FL 32054

Fee Simple Owner Name & Address Keith Jarvis & Michael Zukas, 175 SW Santa Fe Dr, Ft. White, FL 32038

Bonding Co. Name & Address \_\_\_\_\_

Architect/Engineer Name & Address \_\_\_\_\_

Mortgage Lenders Name & Address \_\_\_\_\_

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

Property ID Number 00-00-00-00893-013 Estimated Cost of Construction \$5,400<sup>00</sup>

Subdivision Name Three Rivers Estates Lot 7-73 Block \_\_\_\_\_ Unit 12 Phase \_\_\_\_\_

Driving Directions 2475 to CR 137 - Go (L) to US 27 - Go (L) to SW Riverside Go (R) &

immediately turn (L) on SW Utah St. Turn (R) on SW Central Terr. Turn (R) on  
SW Dot Pl & immed turn (L) on Santa Fe - House on Left  
 Number of Existing Dwellings on Property 1

Construction of Metal Roof - Over / S7D Total Acreage 3.00 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 2113 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. **CODE: Florida Building Code 2007 with 2009 Supplements 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. It may be to your advantage to check and see if your property is encumbered by any restrictions.

Owners Signature

(Owners Must Sign All Applications Before Permit Issuance.)

**\*\*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.

Contractor's Signature (Permitee)

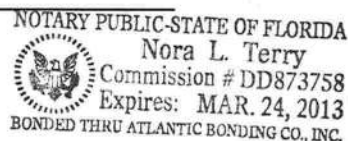
Contractor's License Number CCC 1325779  
Columbia County  
Competency Card Number \_\_\_\_\_

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 3rd day of Dec 2010.

Personally known Nora L. Terry or Produced Identification

State of Florida Notary Signature (For the Contractor)

SEAL:





NOTICE OF COMMENCEMENT

Parcel ID No.: 00-00-00-00893-013

State of Florida  
County of Columbia

Inst:201012019460 Date:12/7/2010 Time:10:55 AM  
DC,P,DeWitt Cason, Columbia County Page 1 of 1 B:1206 P:21

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with chapter 713 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

Legal description of property: Metes and Bounds

911 Address: 175 SW Santa Fe Drive, Ft. White, FL 32038

General description of improvements: Metal Roof - over

Owners' Name: Keith Jarvis and Michael Zukas

Address: 175 SW Santa Fe Drive, Ft. White, FL 32038

Owner's interest in site of the improvement: Fee Simple

Fee Simple Title holder (if other than owner): N/A

Address:

Phone:

Fax:

Contractor: Jason Elixson Construction, LLC

Address: 4853 West SR 238, Lake Butler, FL 32054

Phone: 386-755-2735 Fax: 386-755-2735

Surety: N/A

Address:

Lender's Name: N/A

Amount of Bond:

Address:

Phone:

Fax:

Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1) (a) 7, Florida Statutes:

In addition to himself, owner designates N/A to receive a copy of the Lienors Notice as provided in Section 713.13(1)(b), Florida Statutes.

Expiration date of Notice of Commencement is 1 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 WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.**

Signature of Owner

Michael Zukas  
Owner

Sworn to and subscribed before me this 29 day of Nov 2010, by Michael Zukas  
who is personally known to me or who produced  
as identification

Notary Seal

Notary Signature

--AND--

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.

Signature of Natural Person signing above

# PRODUCT APPROVAL SPECIFICATION

Location: \_\_\_\_\_

**SHEET**

Project Name: *Keith Jarvis + Mike Zukas*

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at [www.floridabuilding.org](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>A. EXTERIOR DOORS</b>			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
<b>B. WINDOWS</b>			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
<b>C. PANEL WALL</b>			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
<b>D. ROOFING PRODUCTS</b>			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal	<i>Millennium</i>	<i>29g. Rib Panel</i>	<i>FL5211.2 R2</i>
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			



# Columbia County Property Appraiser

DB Last Updated: 11/4/2010

**2010 Tax Year**

Parcel: 00-00-00-00893-013

&lt;&lt; Next Lower Parcel   Next Higher Parcel &gt;&gt;

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

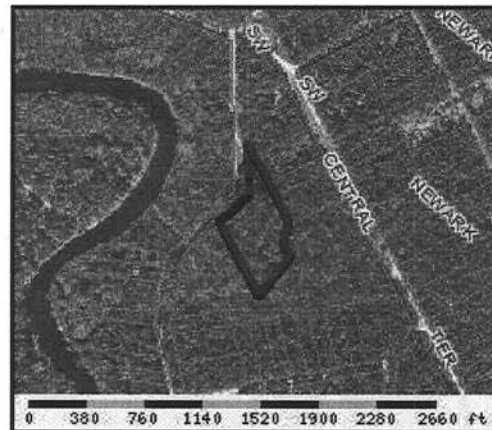
Interactive GIS Map

Print

**Owner & Property Info**

Search Result: 1 of 1

<b>Owner's Name</b>	JARVIS KEITH A &		
<b>Mailing Address</b>	MICHAEL S ZUKAS 175 SW SANTA FE DR FT WHITE, FL 32038		
<b>Site Address</b>	175 SW SANTA FE DR		
<b>Use Desc. (code)</b>	SINGLE FAM (000100)		
<b>Tax District</b>	3 (County)	<b>Neighborhood</b>	100000
<b>Land Area</b>	5.300 ACRES	<b>Market Area</b>	02
<b>Description</b>	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.  LOTS 71, 72 & 73 & BEG NW COR OF LOT 71, RUN SE 427.06 FT, NE 216.48 FT, SE 100 FT, SW 324.72 FT, NW 544.50 FT, NE 102.83 FT TO POB. (UNIT 12 THREE RIVERS ESTATES) ORB 452-403, 608-492, 694-505, 703-450, 748-488, DC 902-570, PROB#04-252CP HUBERT D HINSON ORB 1029-2003 THRU 2010. 1051-1755, WD 1098-2148,		

**Property & Assessment Values**

2010 Certified Values		
<b>Mkt Land Value</b>	cnt: (0)	\$30,645.00
<b>Ag Land Value</b>	cnt: (2)	\$0.00
<b>Building Value</b>	cnt: (1)	\$53,041.00
<b>XFOB Value</b>	cnt: (1)	\$1,200.00
<b>Total Appraised Value</b>		\$84,886.00
<b>Just Value</b>		\$84,886.00
<b>Class Value</b>		\$0.00
<b>Assessed Value</b>		\$84,886.00
<b>Exempt Value</b>	(code: HA)	\$25,000.00
<b>Total Taxable Value</b>	Cnty: \$59,886 Other: \$59,886   Schl: \$59,886	

**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.

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
10/6/2006	1098/2148	WD	I	Q		\$78,000.00

**Building Characteristics**

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1981	SINGLE SID (04)	1440	2113	\$53,041.00
<b>Note:</b> All S.F. calculations are based on exterior building dimensions.						

**Extra Features & Out Buildings**

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0190	FPLC PF	0	\$1,200.00	0000001.000	0 x 0 x 0	(000.00)

**Land Breakdown**



# Columbia County BUILDING DEPARTMENT

## Re Roof of a Single Family Dwelling

### Inspection Affidavit

RE: Permit # 29049

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

License #: CBC 1250331 / CCC 1325779

On or about 12/24/10, I did personally inspect the roof  
(Date & time)

deck nailing and/or secondary water barrier work at 175 SW Santa Fe Dr.  
(circle one) (Job Site Address)  
Ft. White, FL 32038

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 4<sup>th</sup> day of January, 2011

By Nora L. Terry

NOTARY PUBLIC-STATE OF FLORIDA  
Nora L. Terry  
Commission #DD873758  
Expires: MAR. 24, 2013  
BONDED THRU ATLANTIC BONDING CO., INC.

Notary Public, State of Florida

NORA L. TERRY  
(Print, type or stamp name)

Commission No.: DD873758

Personally known ☒ or  
Produced Identification ☐

Type of identification produced. \_\_\_\_\_

**\* General, Building, Residential, or Roofing Contractor or any individual certified under 468 F.S. to make such an inspection.**

**\* Include photographs of each plane of the roof with the permit # or address # clearly shown marked on the deck for each inspection.**

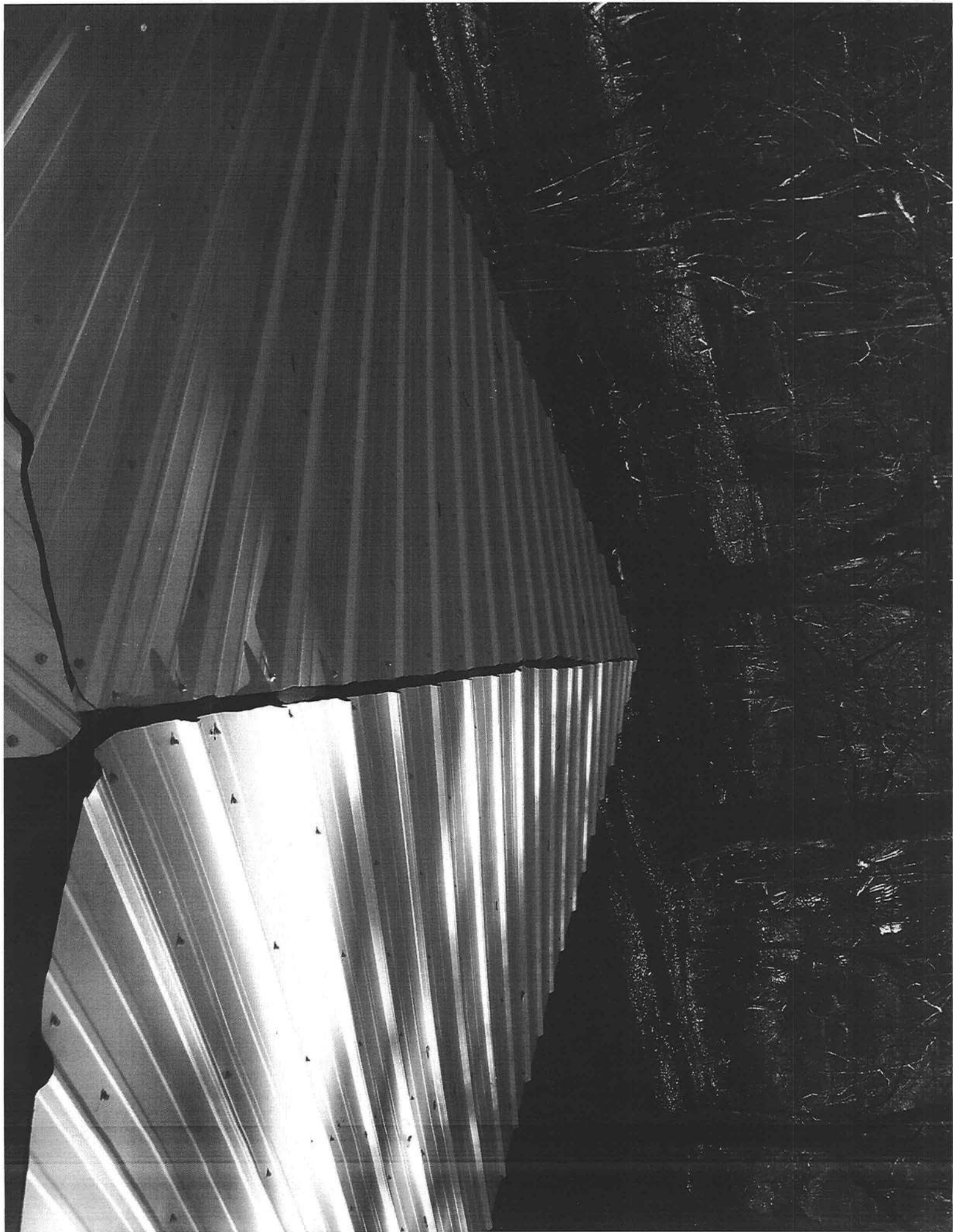
29049  
JARVIS & ZUKAS



9049

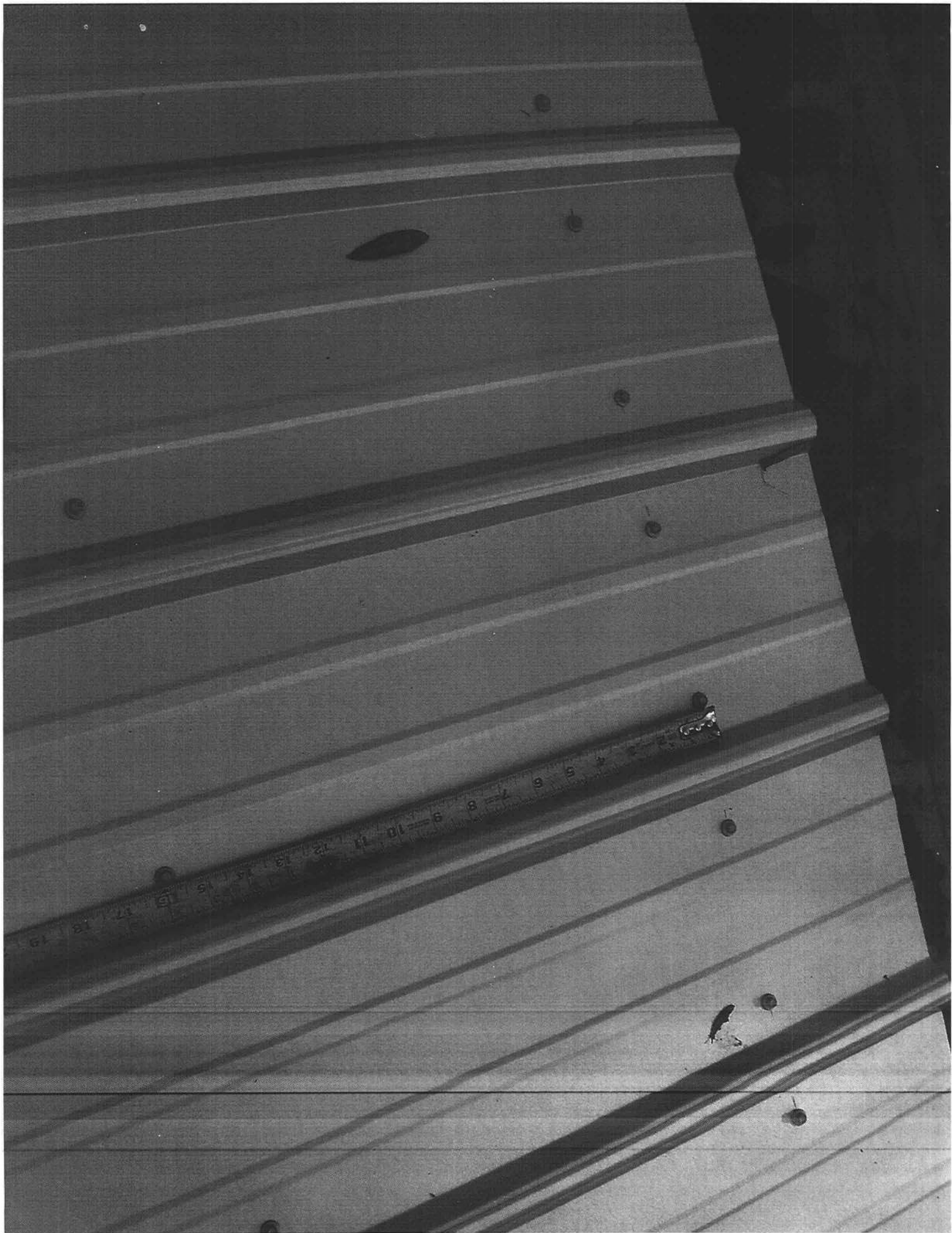
RVIS & ZUKAS



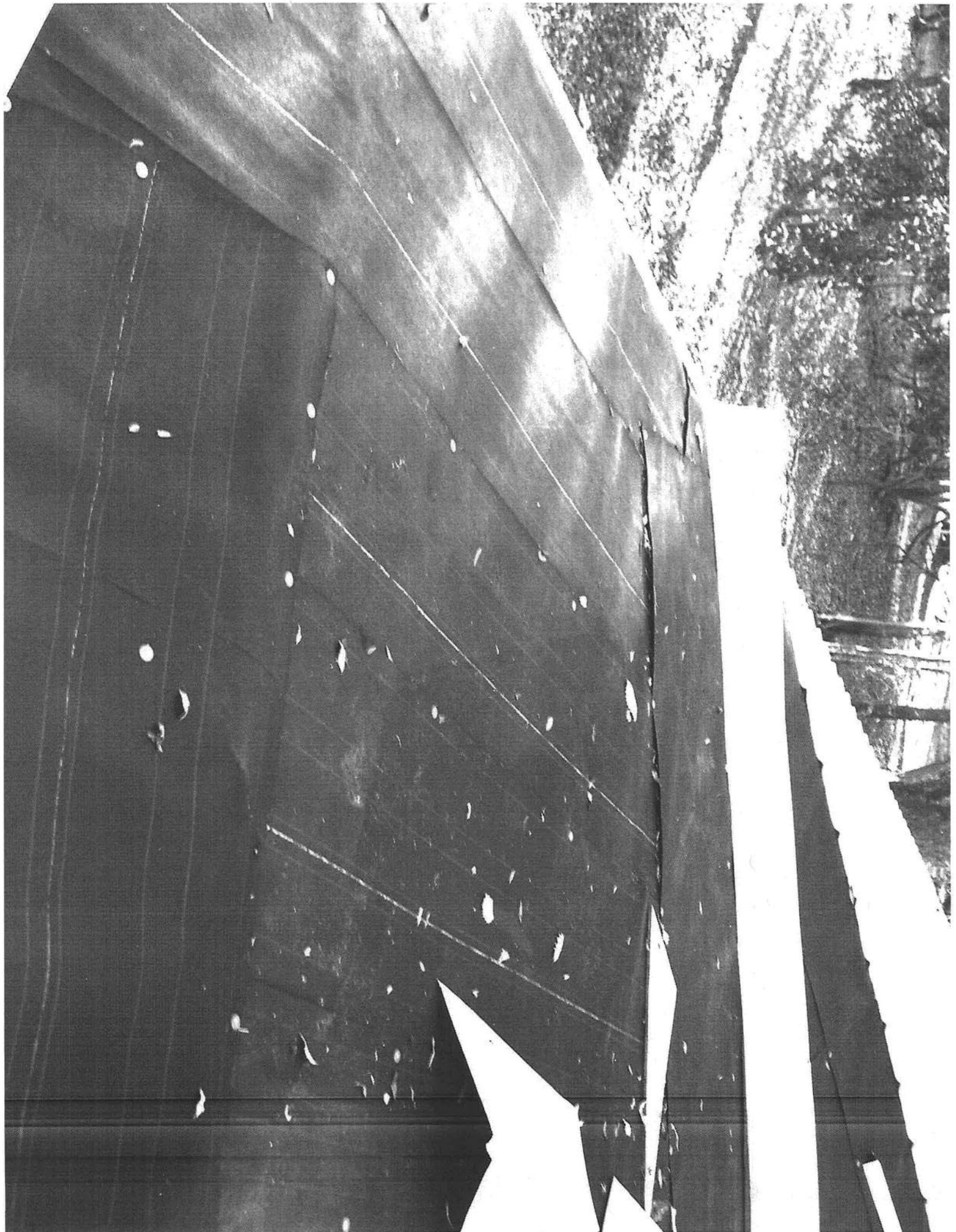






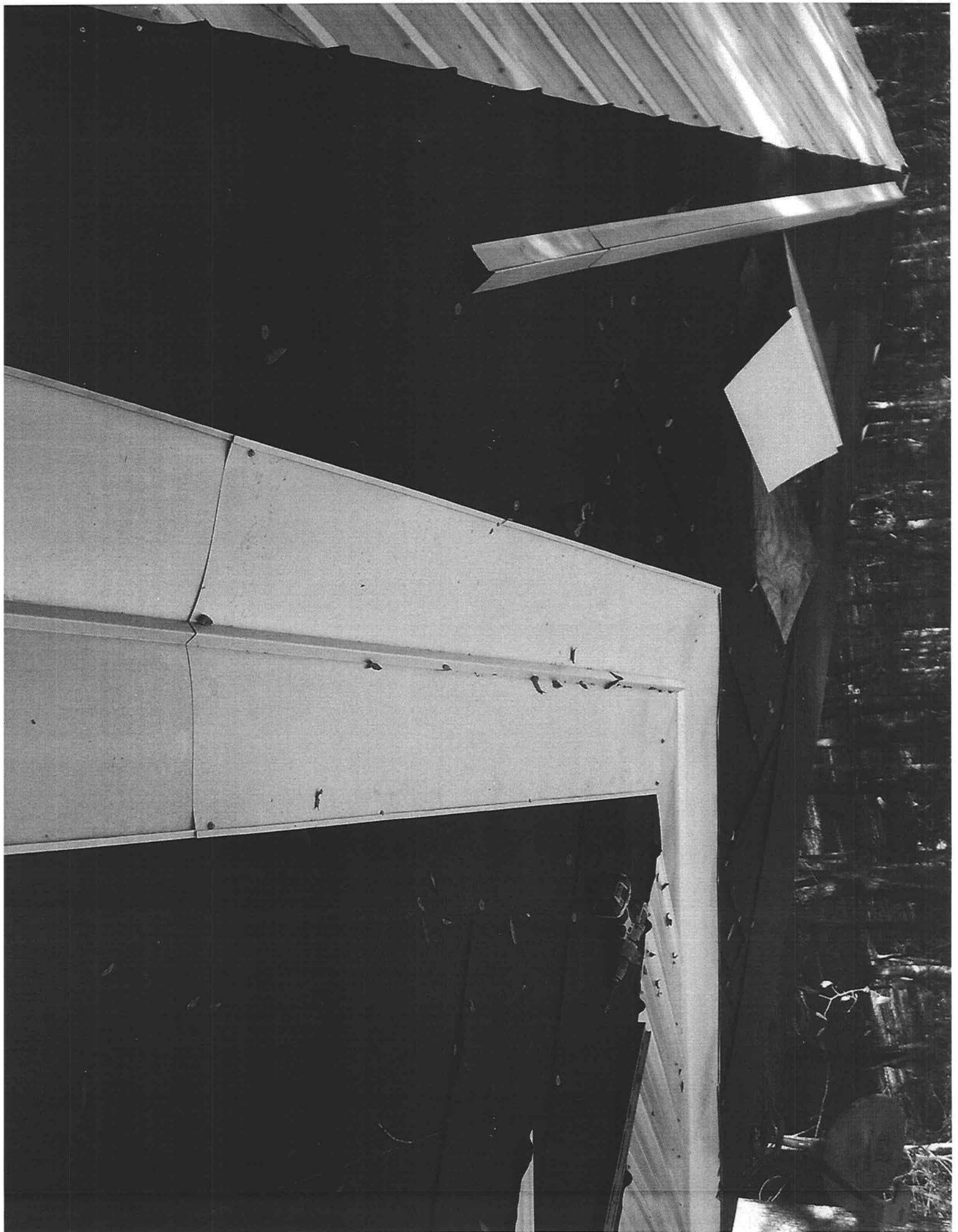


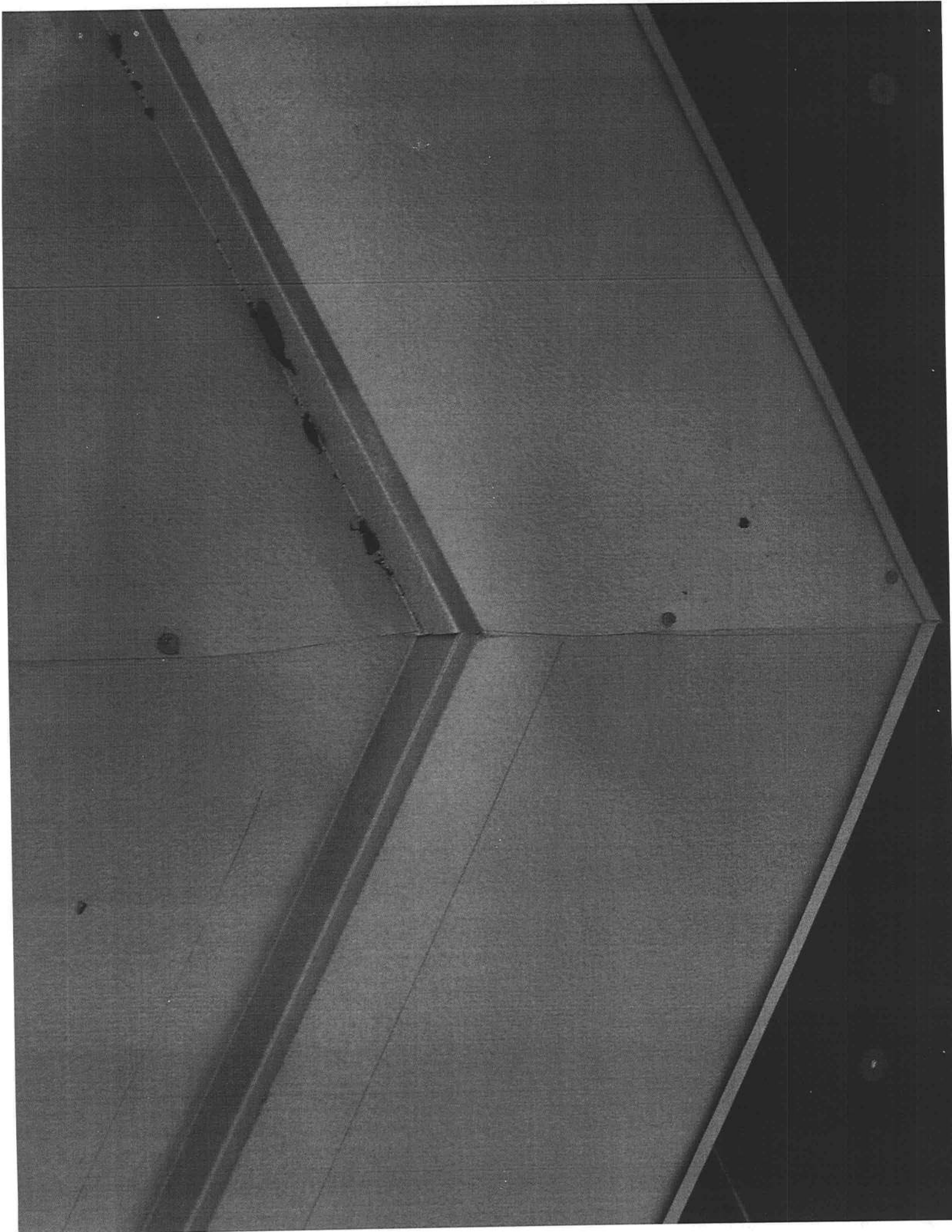




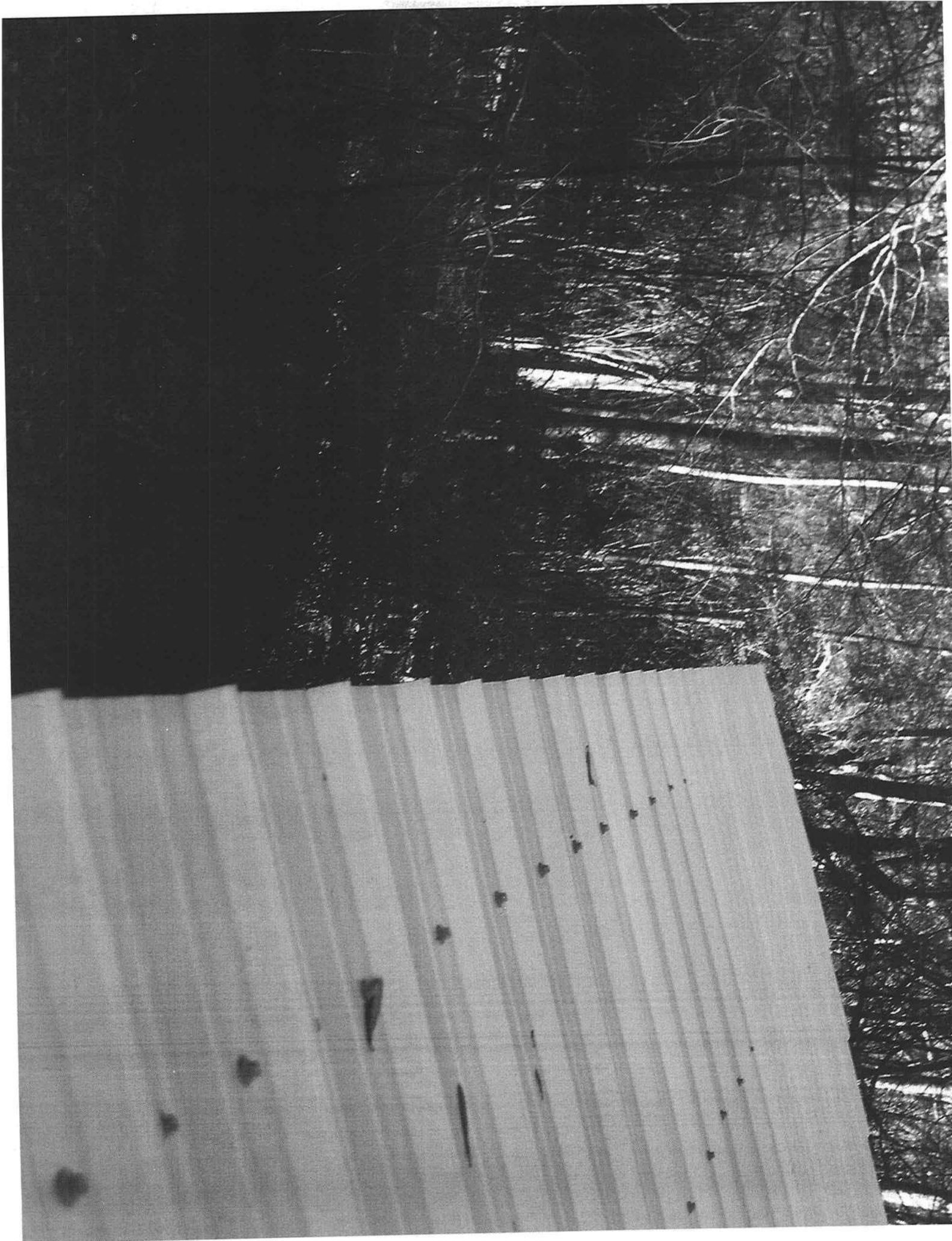






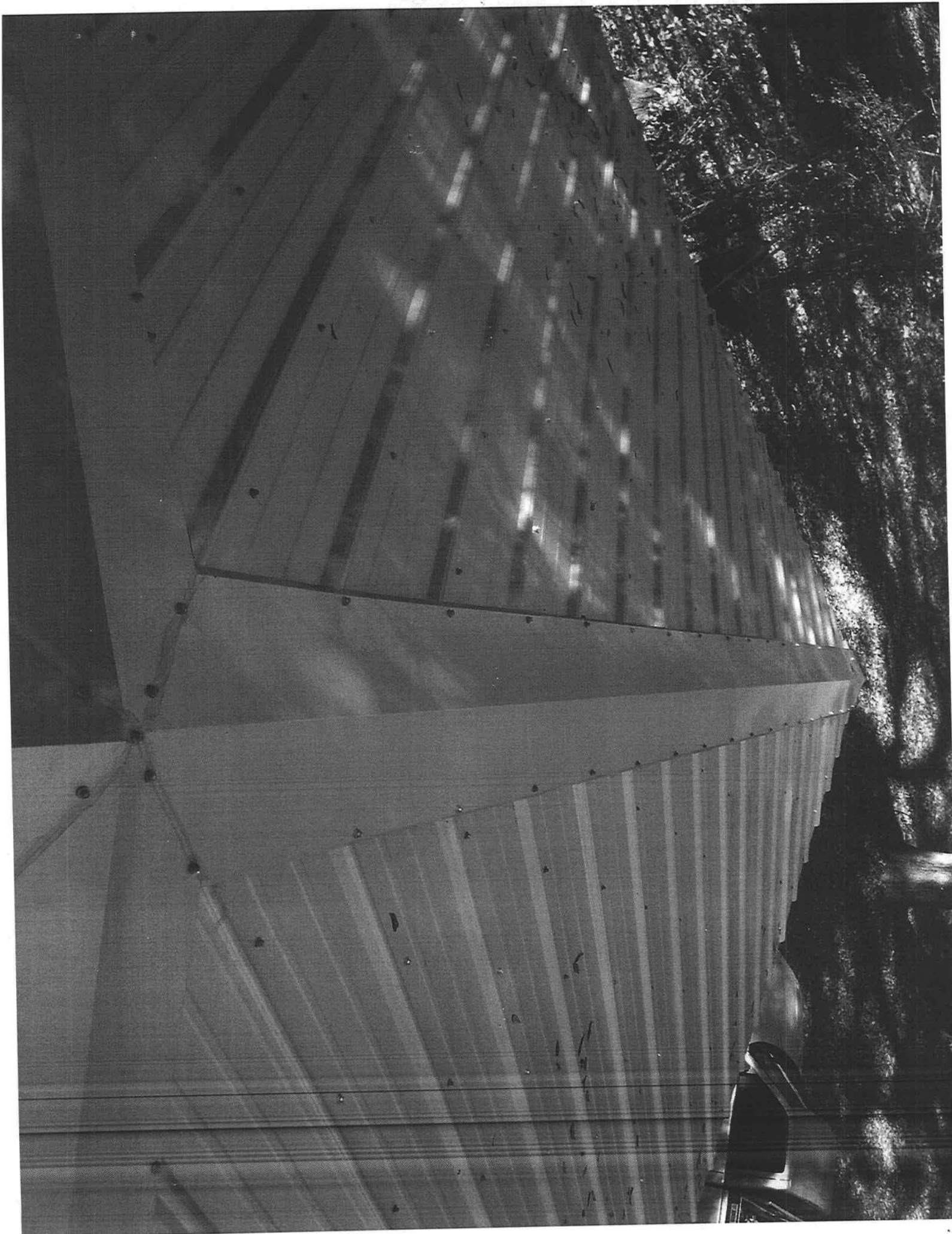








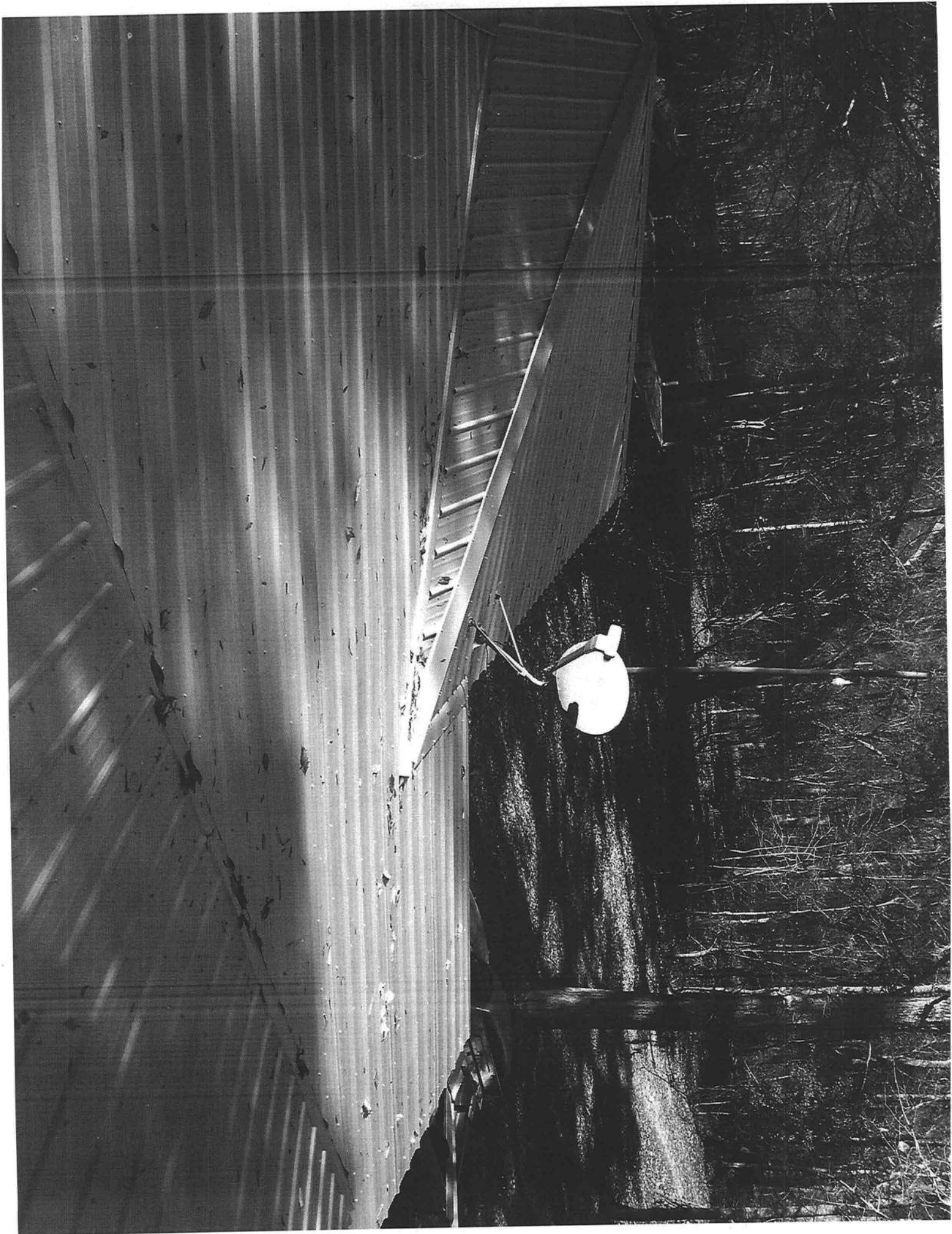


















# CBUCK Engineering

Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

**Evaluation Report**  
*of*  
**Millennium Metals, Inc.**  
**"Rib Panel"**  
**Metal Roof Assembly**  
*for*  
**Florida Product Approval**  
**# FL 5211.2 R2**  
**Florida Building Code 2007**  
**Per Rule 9B-72**

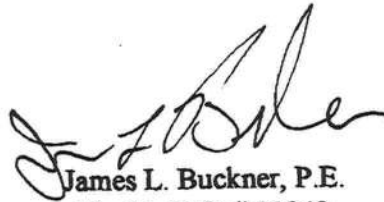
**Method:** 1 - D  
**Category:** Roofing  
**Sub - Category:** Metal Roofing

**Product:** "Rib Panel" Roof Panel  
**Material:** Steel  
**Panel Thickness:** 29 Gauge Minimum  
**Panel Dimensions:** 36" Net Coverage Width  
**Support Type:** 5/8" Plywood Deck

**Prepared for:**  
**Millennium Metals, Inc.**  
10200 Eastport Road  
Jacksonville, FL 32218

**Prepared by:**  
**James L. Buckner, P.E.**  
Florida Professional Engineer # 31242  
Florida Evaluation ANE ID: 1916  
Project Manager: Diana Galloway  
Report No. 08-135-Rib-36-S9W-5/8"-ER  
Date: 5 / 1 / 09

Contents:  
Evaluation Report Pages 1 - 6



James L. Buckner, P.E.  
Florida P.E. # 31242  
5/1/09

CBUCK, Inc.  
1334 S. Killian Drive, Suite 4, West Palm Beach, Florida 33403  
Phone: (561)491-9927 Fax: (561)491-9928 Website: [www.cbuckinc.net](http://www.cbuckinc.net)





# CBUCK Engineering

## Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

**Manufacturer:** Millennium Metals, Inc.

**Product Name:** Rib Panel

**Product Category:** Roofing

**Product Sub-Category:** Metal Roofing

**Compliance Method:** State Product Approval Rule 9B-72.070 (1) (d)

**Panel Description:** Rib Panel, Lapped, Steel Roof Panel

**Panel Material / Standards:** Material Type: Steel  
Yield Strength: 40 ksi minimum  
Corrosion Resistance:  
Material shall comply with the Florida Building Code (FBC), 2007  
Section 1507.4.3.

**Panel Dimension(s)** Width: 36" Maximum (Net Coverage Width)  
Thickness: 29 gauge minimum  
Rib Height: 3/4"

**Support Type:** Wood Deck  
(Design of support system is not included in this evaluation)

**Support Description:**

- 19/32" or greater plywood, or
- Wood plank

**Slope Range:** Minimum slope shall be per FBC 2007, Section 1507.4.2, and in compliance with the Manufacturers recommendations  
**But no less than: 3 : 12.**

**Design Uplift Pressure:** -71 PSF ( Safety Factor of 2:1 )

**Underlayment:** Underlayment shall be per manufacturer's guidelines as required in FBC Section 1507.4.5

**Insulation:** (Optional) Rigid Insulation Board, 3" maximum thickness and with a density of 2.25 pcf (lbs/ft<sup>3</sup>) minimum or a compressive strength of 25 psi minimum.

**Fire Classification:** Fire Classification is outside the scope of Rule 9B-72, and is therefore not included in this evaluation. Additional approved substrates may be added for Fire Classification purposes.

# CBUCK Engineering

## Specialty Structural Engineering

CBUCK, Inc. Florida Certificate of Authorization # 8064

**Component(s) Description:** **Roof Panel Fasteners**  
Type: Hex-Head wood screws with EPDM bonded steel washer  
Size: #10 x minimum penetration through deck 3/16"  
Corrosion Resistance: Per FBC Section 1507.4.4  
Standard: Per ANSI/ASME B18.6.1.

**Installation:** **"Rib Panel" Roof Panel to Deck**  
1. Row spacing: 16" o.c.  
(along the length of the panel and within 3" from all ends)  
2. Fastener spacing: 9" o.c.  
(along each row)

Fasteners shall penetrate through deck a minimum of 3/16".

Install the system in compliance with the attached installation method.  
Refer to manufacturer's installation instructions as a supplemental guide for attachment.

**Quality Assurance:** The manufacturer has demonstrated compliance of roof panel products in accordance with the Florida Building Code and Rule 9B-72.070 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Keystone Certifications, Inc.** (FBC Organization #: QUA 1824)

**Performance Standards:** The product described herein has been tested in accordance with:  

- **UL580-94 – Test for Uplift Resistance of Roof Assemblies—with Revisions through February 1998**
- **UL 1897-98 – Uplift test for roof covering systems**

**Code Compliance:** The product described herein has demonstrated compliance with the Florida Building Code 2007, Section 1504.3.2

**Evaluation Report Scope:** This product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code, as related to Rule 9B-72.

**System Limitations:**

- Installation shall comply with the design provisions of the FBC 2007, Chapter 16 per Florida Rule 9B-72.005.
- The maximum fastener spacing listed herein shall not be exceeded
- Rational analysis for the use of the product outside the limits of use as described in this report shall be prepared by a qualified design professional and in compliance with FBC 2007.
- Fire Classification is outside the scope of Rule 9B-72, and is therefore not included in this evaluation. Additional approved substrates may be added for Fire Classification purposes.
- This report does not evaluate the use of this product in the High Velocity Hurricane Zone.





# CBUCK Engineering

**Specialty Structural Engineering**

*CBUCK, Inc. Florida Certificate of Authorization # 8064*

**Referenced Data:**

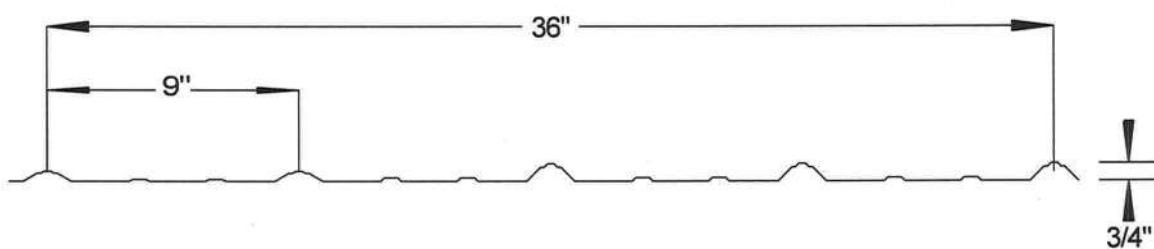
1. UL580-94 & UL 1897-98 Uplift Test  
By Hurricane Test Laboratory, LLC (FBC Organization #TST ID: 1527)
  - Report #: 0232-0321-03, Report Date: 8/27/03  
Specimens #1-2
  - Report #: 0232-0510-03, Report Date: 8/27/03  
Specimen #2
2. Quality Assurance  
By Keystone Certifications, Inc., (FBC Organization #QUA ID:1824)  
Millennium Metals Licensee # 423
3. Certification of Independence  
By James L. Buckner, P.E. @ CBUCK Engineering  
(FBC Organization # ANE 1916)
4. Engineering Calculations  
By CBUCK Engineering
  - Report #C08-135, Dated: 3/20/08

# CBUCK Engineering

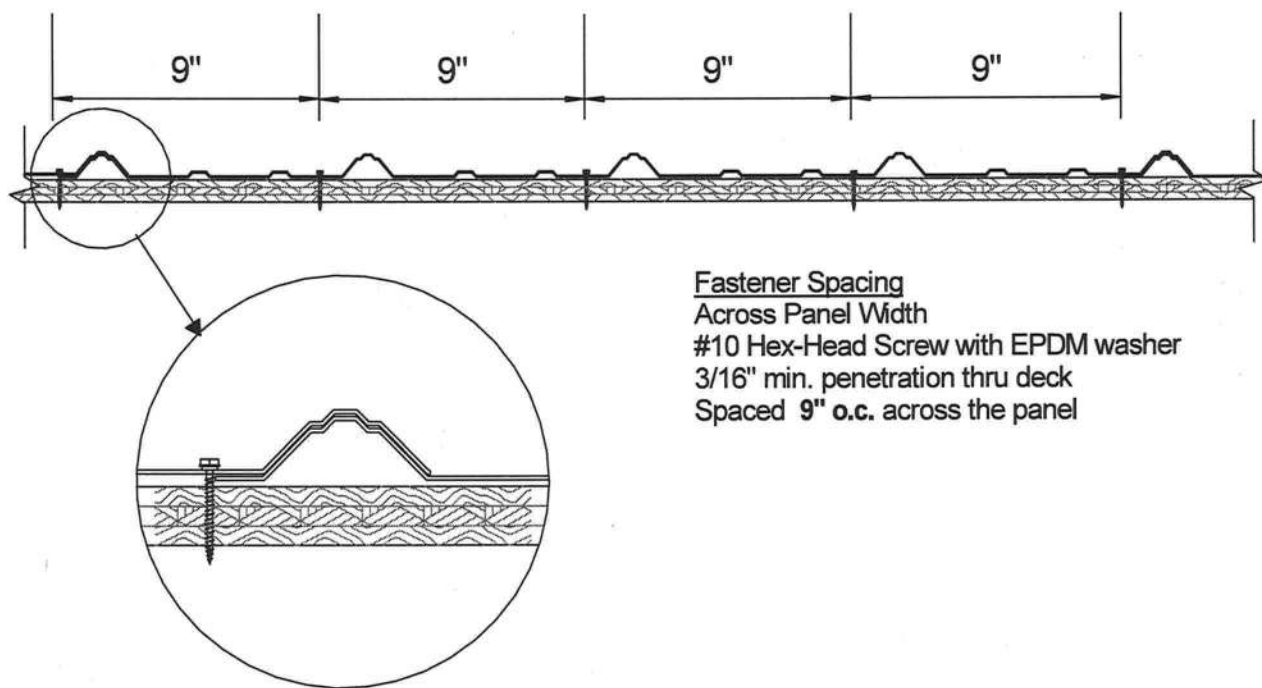
Specialty Structural Engineering

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## Installation Method Millennium Metals, Inc. "Rib Panel" (29 Ga. Steel) Roof Panel Attached to 5/8" Wood Deck



"Rib Panel" Typical Panel Profile View



Fastener Spacing  
Across Panel Width  
#10 Hex-Head Screw with EPDM washer  
3/16" min. penetration thru deck  
Spaced 9" o.c. across the panel

Typical Assembly Profile View

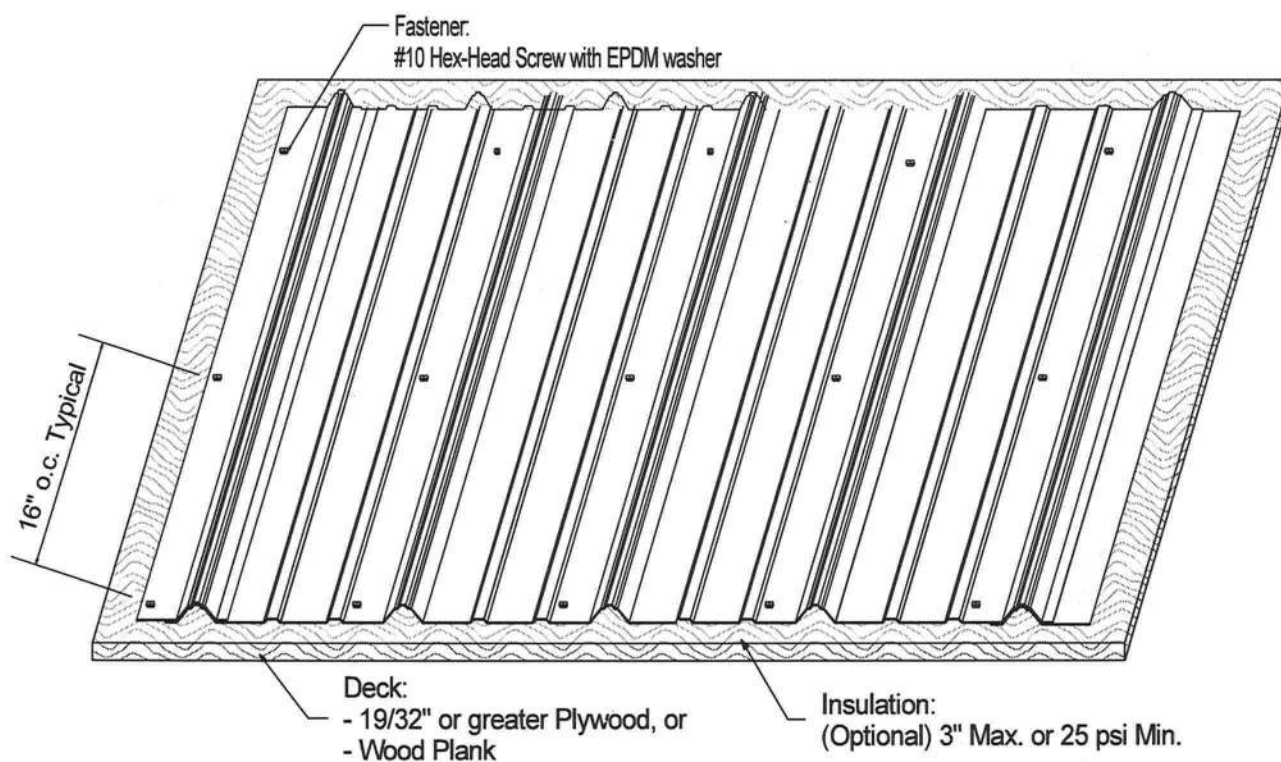


# CBUCK Engineering

Specialty Structural Engineering

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## Installation Method Millennium Metals, Inc. "Rib Panel" (29 Ga. Steel) Roof Panel Attached to 5/8" Wood Deck



Typical Assembly Isometric View