

DATE 03/02/2007

# Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025589

APPLICANT ROGER SUTTON PHONE 386.365.0582  
 ADDRESS 176 SW BOUNDARY WAY FT. WHITE FL 32038  
 OWNER KATHERINE LELIS PHONE 954.793.8761  
 ADDRESS 3077 CR 778 FT. WHITE FL 32038  
 CONTRACTOR LEWIS WALKER PHONE 386.497.1419  
 LOCATION OF PROPERTY 441-S TO C-778,TR AND GO 4 MILES TO HOME ON R.  
(HAS STONE FENCE IN FRONT-HOUSE IS WHITE.)

TYPE DEVELOPMENT REROOF/SFD ESTIMATED COST OF CONSTRUCTION 9100.00  
 HEATED FLOOR AREA \_\_\_\_\_ TOTAL AREA \_\_\_\_\_ HEIGHT \_\_\_\_\_ STORIES \_\_\_\_\_  
 FOUNDATION \_\_\_\_\_ WALLS \_\_\_\_\_ ROOF PITCH \_\_\_\_\_ FLOOR \_\_\_\_\_  
 LAND USE & ZONING \_\_\_\_\_ MAX. HEIGHT \_\_\_\_\_  
 Minimum Set Back Requirements: STREET-FRONT \_\_\_\_\_ REAR \_\_\_\_\_ SIDE \_\_\_\_\_  
 NO. EX.D.U. 1 FLOOD ZONE \_\_\_\_\_ DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 12-7S-16-04189-000 SUBDIVISION \_\_\_\_\_  
 LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 3.12

RC0067442  
 Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number \_\_\_\_\_ Applicant/Owner/Contractor [Signature]  
 EXISTING X-07-107 \_\_\_\_\_ JLW \_\_\_\_\_ N \_\_\_\_\_  
 Driveway Connection \_\_\_\_\_ Septic Tank Number \_\_\_\_\_ LU & Zoning checked by \_\_\_\_\_ Approved for Issuance \_\_\_\_\_ New Resident \_\_\_\_\_

COMMENTS: NOC ON FILE.

Check # or Cash CASH REC'D.

## 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 \_\_\_\_\_ Rough-in plumbing above slab and below wood floor \_\_\_\_\_  
 date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
 Electrical rough-in \_\_\_\_\_ Heat & Air Duct \_\_\_\_\_ Peri. beam (Lintel) \_\_\_\_\_  
 date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
 Permanent power \_\_\_\_\_ C.O. Final \_\_\_\_\_ Culvert \_\_\_\_\_  
 date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
 M/H tie downs, blocking, electricity and plumbing \_\_\_\_\_ Pool \_\_\_\_\_  
 date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
 Reconnection \_\_\_\_\_ Pump pole \_\_\_\_\_ Utility Pole \_\_\_\_\_  
 date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
 M/H Pole \_\_\_\_\_ Travel Trailer \_\_\_\_\_ 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. 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."**

### This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

For Office Use Only Application # 0703-09 Date Received 3/2 By JW Permit # 25589
Application Approved by - Zoning Official Date Plans Examiner Date
Flood Zone Development Permit Zoning Land Use Plan Map Category
Comments

NOC EH Deed or PA Site Plan State Road Info Parent Parcel # Development Per

Name Authorized Person Signing Permit Roger Sutton Fax 386-497-1452
Address 176 SW Boundary Wy Ft. White FL 32038 Phone 386-365-0582
Owners Name Katherine Lelis Phone 954-793-8761
911 Address 3077 SW Co Rd 778 Ft. White FL 32038
Contractors Name Lewis Walker Roofing Phone 386 497 1419
Address PO Box 82 Ft. White FL 32038
Fee Simple Owner Name & Address N/A
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address N/A
Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Ener

Property ID Number 12-75-116-04789-000 Estimated Cost of Construction 9100.00
Subdivision Name Lot Block Unit Phase
Driving Directions 441 S toward High Springs Turn Right on cr 778 to
App 4 miles house on Right Has Stone fence in front. House
is white

Type of Construction Re-roof House Number of Existing Dwellings on Property 1
Total Acreage 3.12 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Dri
Actual Distance of Structure from Property Lines - Front Side Side Rear
Total Building Height Number of Stories 1 Heated Floor Area 1260 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.

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.

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TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR
LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Person by Notarized



STATE OF FLORIDA
COUNTY OF COLUMBIA

Contractor Signature
Contractors License Number RC 0067442
Competency Card Number 5687
NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me
this 20 day of November 2006
Personally known or Produced Identification PLD

Notary Signature
(Revised Sept. 2006)

Lewis Walker Roofing Material List

Customer Name: Katie Lelis  
 Address: 3077 Co Rd. 778 Ft White, Fl. 32038  
 Phone: 954-793-8761

26 GA GALVALUM

Item	Color	Quantity
PANCK		12 15 5
11		4/8 16 7
		15 14 5
CAP	BRAKE AT 7/12	13 pcs
VALLY		12 pcs
RAKE/CORNER	LARGE	16 pcs
BOOT		1 #5
BOOT		1 #3
BOOT	ELECTRIC	1
EAVES DRIP		16
BUTAL TAP		1 CASE
SOLAR SEAL		1 CASE
SCREWS		3750 pcs
VERSA VENT		260'

Date Ordered \_\_\_\_\_

Where \_\_\_\_\_

Delivery Date \_\_\_\_\_

Total \_\_\_\_\_

**Columbia County Property Appraiser**

DB Last Updated: 2/5/2007

**2007 Proposed Values**

Parcel: 12-76-16-04189-000

Tax Record

Property Card

Interactive GIS Map

Print

**Owner & Property Info**

Search Result: 1 of 1

<b>Owner's Name</b>	LELIS KATHERINE A		
<b>Site Address</b>	CR 778		
<b>Mailing Address</b>	1637 NE 17TH TERR FT LAUDERDALE, FL 33305		
<b>Use Desc. (code)</b>	SINGLE FAM (000100)		
<b>Neighborhood</b>	12716.00	<b>Tax District</b>	3
<b>UD Codes</b>	MKTAD2	<b>Market Area</b>	02
<b>Total Land Area</b>	3.120 ACRES		
<b>Description</b>	BEG SE COR OF SE1/4 OF SW1/4, RUN N 449.93 FT, W 302.12 FT, S 450 FT, E 300 FT TO POB. ORB 686-94, QCD 1105-2404, WD 1105-2406.		

**GIS Aerial**



**Property & Assessment Values**

<b>Mkt Land Value</b>	crit: (1)	\$37,752.00
<b>Ag Land Value</b>	crit: (0)	\$0.00
<b>Building Value</b>	crit: (1)	\$56,578.00
<b>XFOB Value</b>	crit: (0)	\$0.00
<b>Total Appraised Value</b>		\$94,330.00

<b>Just Value</b>	\$94,330.00
<b>Class Value</b>	\$0.00
<b>Assessed Value</b>	\$94,330.00
<b>Exempt Value</b>	\$0.00
<b>Total Taxable Value</b>	\$94,330.00

**Sales History**

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
12/22/2006	1105/2406	WD	I	Q		\$110,000.00
12/21/2006	1105/2404	WD	I	U	03	\$12,400.00
5/5/1989	686/93	WD	I	Q		\$25,000.00

**Building Characteristics**

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1948	Average (05)	1260	1853	\$56,578.00
Note: All S.F. calculations are based on exterior building dimensions.						

**Extra Features & Out Buildings**

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

**Land Breakdown**

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	3.120 AC	1.00/1.00/1.00/1.00	\$12,100.00	\$37,752.00

Columbia County Property Appraiser

DB Last Updated: 2/5/2007

>> Print as PDF <<

BEG SE COR OF SE1/4 OF SW1/4,  
 RUN N 449.93 FT, W 302.12 FT,  
 S 450 FT, E 300 FT TO POB.  
 ORB 686-94,QCD 1105-2404,

LELIS KATHERINE A  
 1637 NE 17TH TERR  
 FT LAUDERDALE, FL 33305

12-7S-16-04189-000

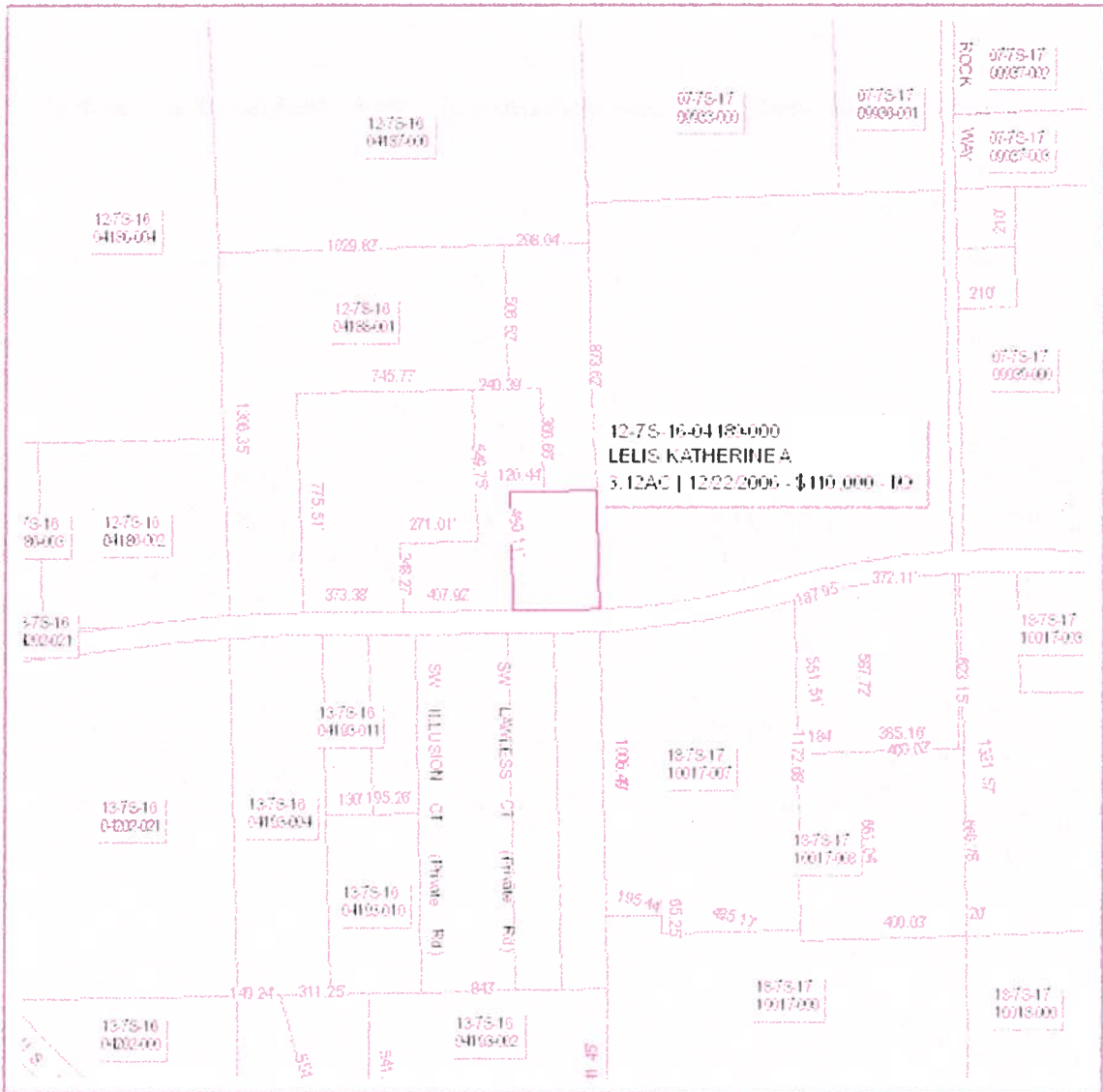
PRINTED 2  
 APPR 3

BUSE	000100	SINGLE	FAM	AE? Y	1260	HTD AREA	113.360	INDEX	12716.00	DIST	3
MOD	1	SFR	BATH	1.00		1426	EFF AREA	56.680	E-RATE	100.000	INDX
EXW	05	AVERAGE	FIXT			80826	RCN			1948	AYB
	%	0000000000	BDRM	3		70.00	%GOOD	56,578	B BLDG VAL	25	EYB
RSTR	08	IRREGULAR	RMS								
RCVR	12	MODULAR MT	UNTS								
	%	N/A	C-W%								
INTW	05	DRYWALL	HGHT								
	%	N/A	PMTR								
FLOR	14	CARPET	STYS	1.0							
	%	N/A	ECON								
HTTF	04	AIR DUCTED	FUNC								
A/C	03	CENTRAL	SPCD								
QUAL	03	AVERAGE	DEPR	52							
FNDN		N/A	N/A								
SIZE	04	IRREGULAR	N/A								
CEIL		N/A	N/A								
ARCH		N/A	N/A								
FRME	01	NONE	N/A								
KTCH		N/A	N/A								
WNDO		N/A	N/A								
CLAS		N/A	N/A								
OCC		N/A	N/A								
COND		N/A	%								
SUB	A-AREA	%	E-AREA	SUB VALUE	1						
BAS93	1260	100	1260	49992	5						
FCP93	225	25	56	2222	I						
FOP93	368	30	110	4364							

TOTAL 1853 1426 56578

EXTRA FEATURES

AE BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	A
	LAND	DESC	ZONE	ROAD	{UD1	{UD3	FRONT	DEPTH	FIELD CK:				
	AE	CODE	TOPO	UTIL	{UD2	{UD4	BACK	DT	ADJUSTMENTS				
Y	000100	SFR	A-1	0003					1.00 1.00 1.00 1.00			3.120	AC
			0002	0003									



<b>Columbia County Property Appraiser</b>		0 240 480 720 ft	
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083			
<b>PARCEL: 12-7S-16-04189-000 - SINGLE FAM (000100)</b>			
<b>Name:</b>	LELIS KATHERINE A	<b>LandVal</b>	\$37,752.00
<b>Site:</b>	CR 778	<b>BldgVal</b>	\$56,578.00
<b>Mail:</b>	1637 NE 17TH TERR FT LAUDERDALE, FL 33305	<b>ApprVal</b>	\$94,330.00
		<b>JustVal</b>	\$94,330.00
		<b>Assd</b>	\$94,330.00
		<b>Exmpt</b>	\$0.00
		<b>Taxable</b>	\$94,330.00
<b>Sales Info</b>	12/22/2006 \$110,000.00 / Q		
	12/21/2006 \$12,400.00 / U		
	5/5/1989 \$25,000.00 / Q		

This information, GIS Map Updated: 2/5/2007, 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.

# Residential Trim

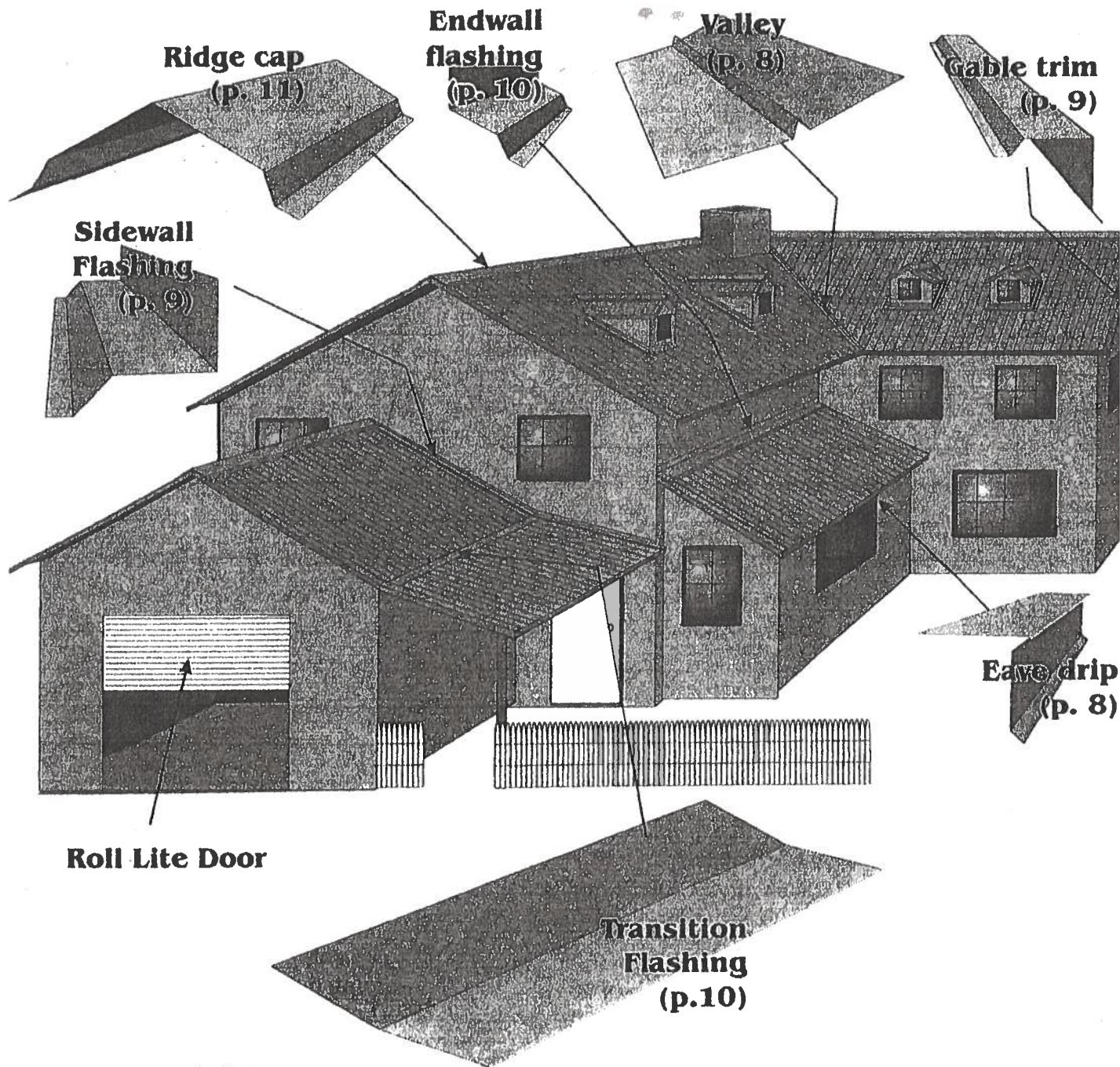
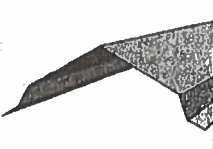
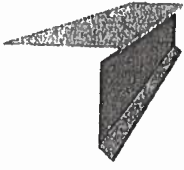


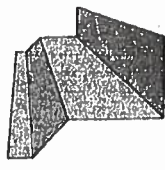

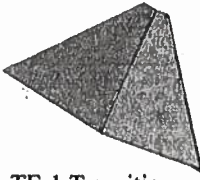
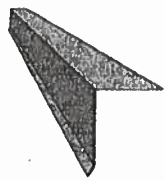
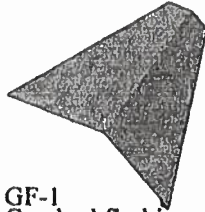











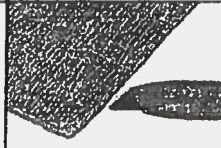





Figure 4 Roofing trims and flashings are named by the location or function of that particular piece on the building.

 RC-2 Ridge cap (pg. 11)	 FHA eave drip (pg. 8)	 PV-1 valley (pg. 8)	 EF-1 Gable rake (pg. 9)	 SW-1 Sidewall (pg. 9)	 EW-1 Endwall (pg. 10)
 TF-1 Transition flashing (pg. 10)	 EF-3 eave drip (pg. 8)	 GF-1 Gambrel flashing	 GR-1 Gable rake (pg. 9)	 Pipe Boot (pg. 11)	 Electrical Boot
 Outside Closures	 Inside Closures	 Profile Vent®	 Universal Closure material	 Peel and Seal®	 Touch-up Paint
 Butyl Tape	 Solar Seal®	 Low E® Insulation	 Woodgrip® Screws	 TEK screws	 ZAC® screws

## Guide to Misc. Accessories

<i>item</i>	<i>application</i>
pipe boot	Fits over vent and heat pipes. Available also in heat-resistant boots.
electrical boot	Fits around pipes with inaccessible tops (such as weatherheads).
outside closures	Seals under ridge caps and transition and endwall flashings.
inside closures	Seals under panels, particularly on the eave.
Profile Vent®	Vented closure material surpassing many other venting systems.
universal foam	Seals irregular contact points (such as valleys).
Peel and Seal®	Seals hips under hip caps. Also, a general purpose sealing tape.
touch-up paint	Hides scratches and mars encountered in installation.
butyl tape	General purpose low-cost sealant, used on panel laps and under trim.
Solar Seal®	A superior general purpose caulk for all joints. Matches panel colors.
Low E® insulation	Greatly reduces radiant heat when installed under panels.
Woodgrip® screws	Used in all applications attaching metal to wood. 1", 1½", 2½" sizes.
TEK screws	Self-drilling TEK screws for metal purlins. Lap TEK screws draw together joints and attach trim.
ZAC® screws	Heavy duty coated screws; available in woodgrip and self-drilling.



## Ridge Cap

The Ridge Cap is used to seal the point at which two upward slopes meet. This can be both along the ridge of the roof as well as a covering for a hip. Either wood or self-drilling tap TEK screws are applied through the ribs of the metal.

Debris, insects, and blowing rain can find easy access under the ridge cap, so closures are often used to either completely or partially seal the opening. Closures under ridge caps come in 3 types: solid, vented, and hip tape. Solid closures ("Outside Closures") are the same width as the panels. They lock together in a row placed directly under the screws that attach the ridge cap, and form a solid, water-tight, air-tight barrier. (See Figure 4 on opposite page).

Profile Vent comes in 50 foot rolls, is 3 inches wide, and forms a water-repellant, insect resistant barrier that allows hot air to escape from the attic, and is superior to many more elaborate and expensive vent systems. Any length may be ordered.

Hip closure tape (*Peel and Seal*<sup>®</sup>) is a sticky, adhesive-backed metallic tape that seals the hip roof. It is 6 inches wide and comes in 33½ foot rolls. Because it must be conformed to the rise and fall of the panel ridges, approximately 10% extra may be needed beyond the length of the hip being covered.

### Standard 12-inch Ridge Caps

are economical and adequate for most of your roofing needs

### Over-sized Ridge Caps

are available in 18-inch widths (*hem to hem*), or as a *custom trim item* in other widths

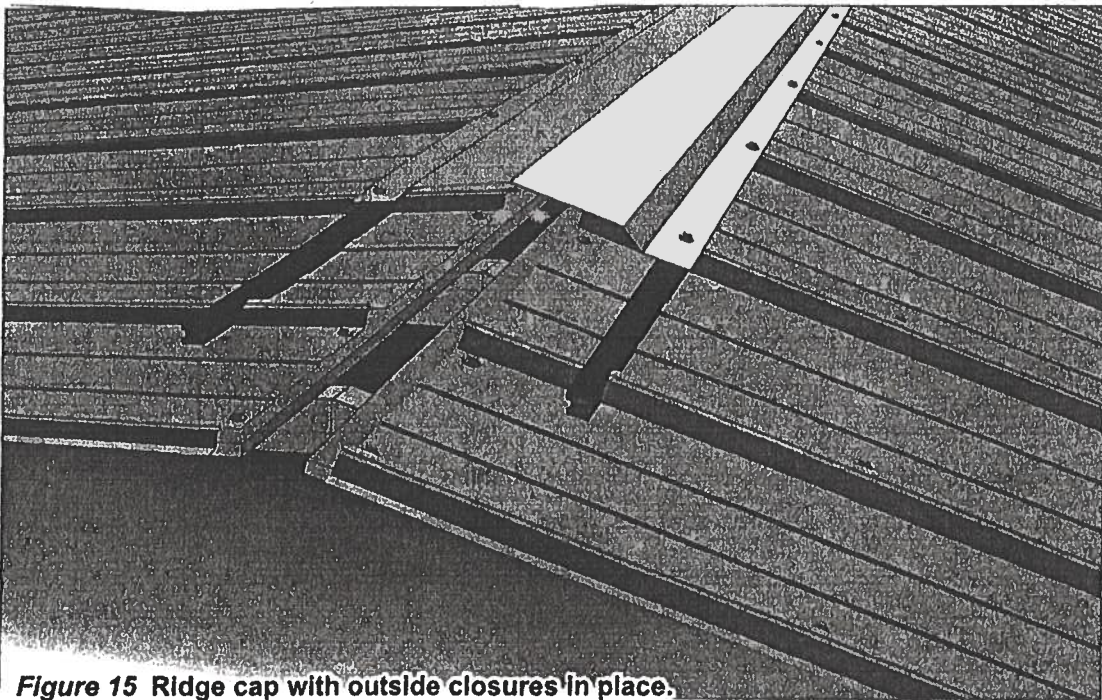


Figure 15 Ridge cap with outside closures in place.

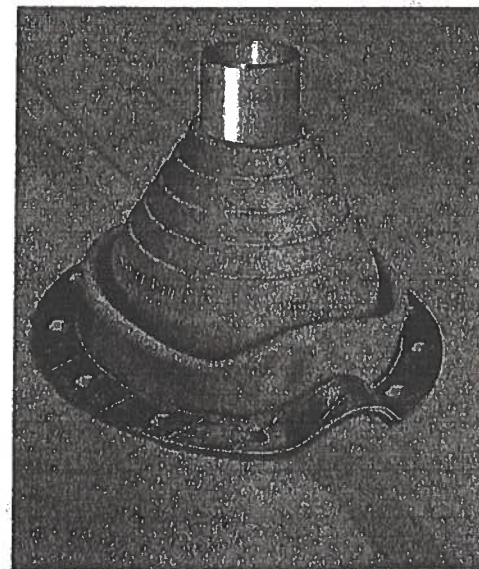
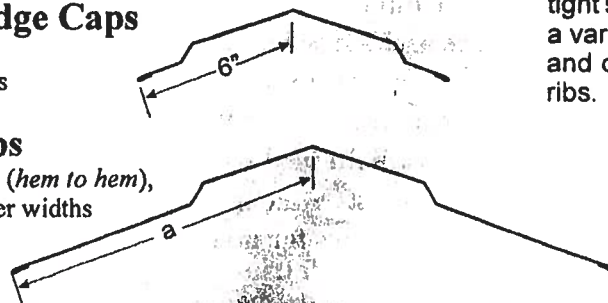
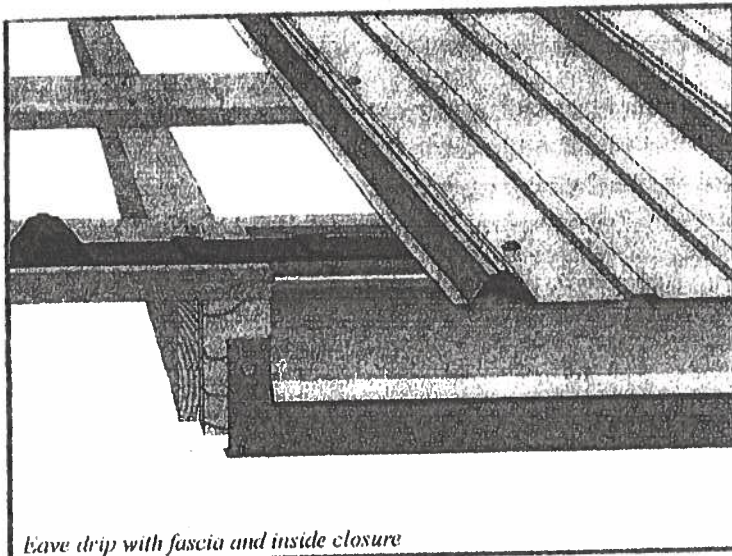


Figure 16 Pipe Boots provide a water-tight seal around roof vents and come in a variety of sizes. They seal with caulk and conform to the shape of the panel ribs.



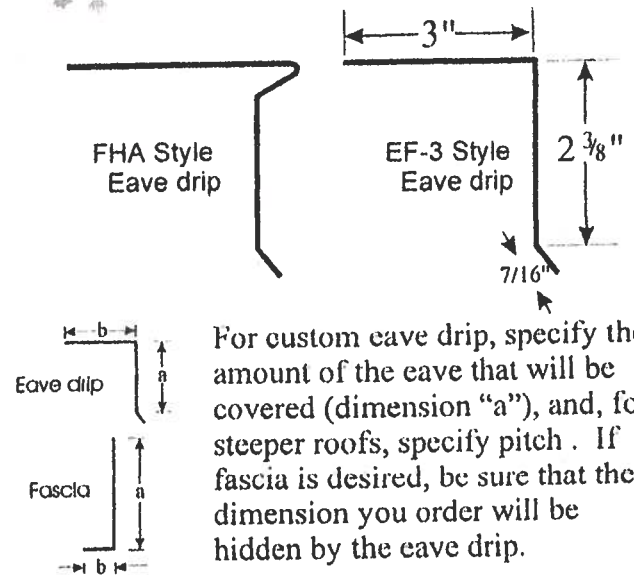
Available in total widths (2 times 'a') of 14-, 16-, 18-, 20-, 22-, and 24-inch



*Eave drip with fascia and inside closure*

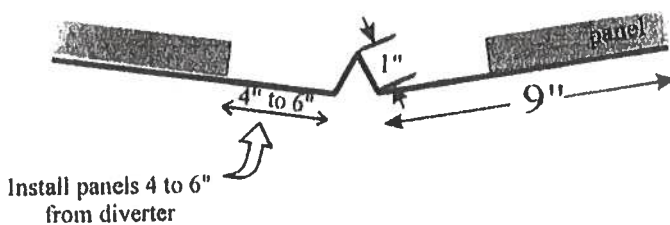
Figure 9 Eave drip and fascia give a finished look along the drip eave of the house, as well as providing protection for the materials they cover. The eave drip should completely cover the top edge of the fascia. Inside closures, which seal off the open ribs of the panels, are optional.

## Eave Drip & Fascia



For custom eave drip, specify the amount of the eave that will be covered (dimension "a"), and, for steeper roofs, specify pitch. If fascia is desired, be sure that the dimension you order will be hidden by the eave drip.

## Preformed Valley



Install panels 4 to 6" from diverter



PV-2 style

Two basic styles of valley are available. For custom valleys, specify dimension "a"

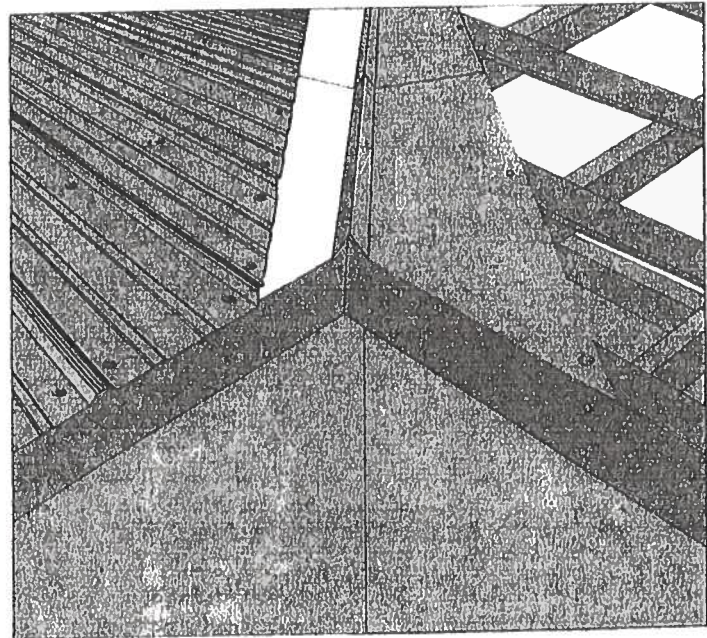


Figure 10 Pre-formed valleys use a diverter to prevent water from rushing under panels on the opposite side while meanwhile channeling water off the roof. Expanding foam closures are often used to assure a good seal.

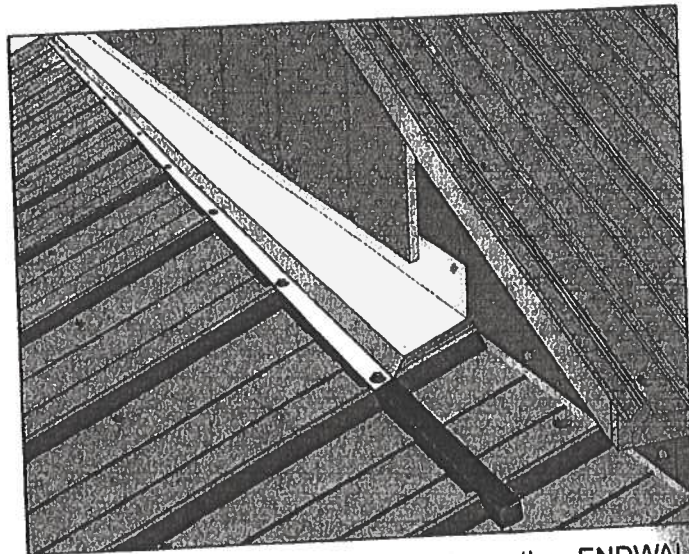
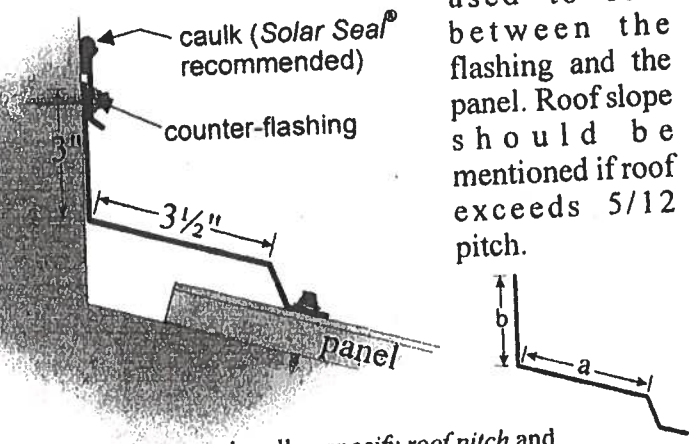


Figure 13 As with the ridge cap, the ENDWALL FLASHING above can be sealed using outside closures.

## End-wall Flashing

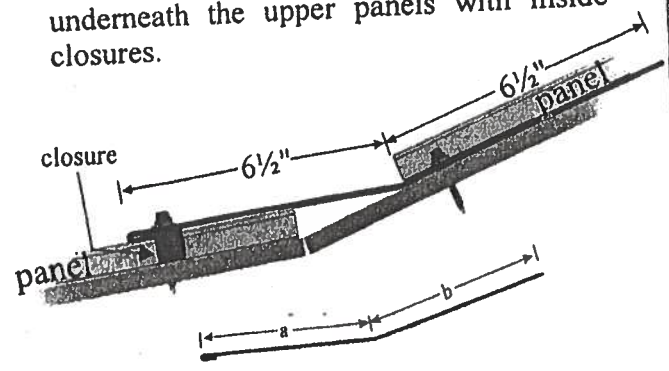
End-wall flashing is applied where the upward slope of a roof meets a wall. The wall side of the flashing can be covered with siding or counter-flashing, and outside closures are used to seal between the flashing and the panel. Roof slope should be mentioned if roof exceeds 5/12 pitch.



For custom end-walls, specify roof pitch and dimensions "a" and "b".

## Transition Flashing

TRANSITION FLASHING prevents leakage at the point where two different roof pitches meet. It is sealed on the lower side with outside closures, and can be sealed underneath the upper panels with inside closures.



For custom transition flashing specify the pitches of the two roof slopes and, if necessary, dimensions "a" and "b".

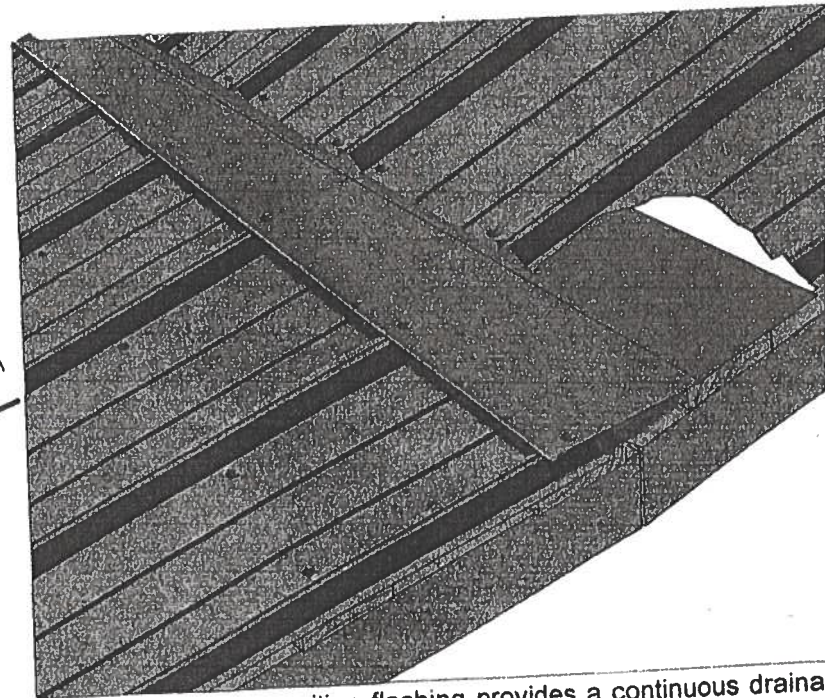
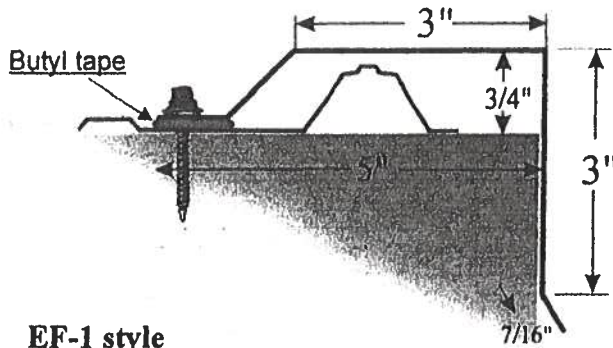


Figure 14 The transition flashing provides a continuous drain where two slopes meet.

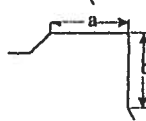
# Gable Flashing



### EF-1 style

Custom trim—specify a custom length for  $a$  or  $b$ .

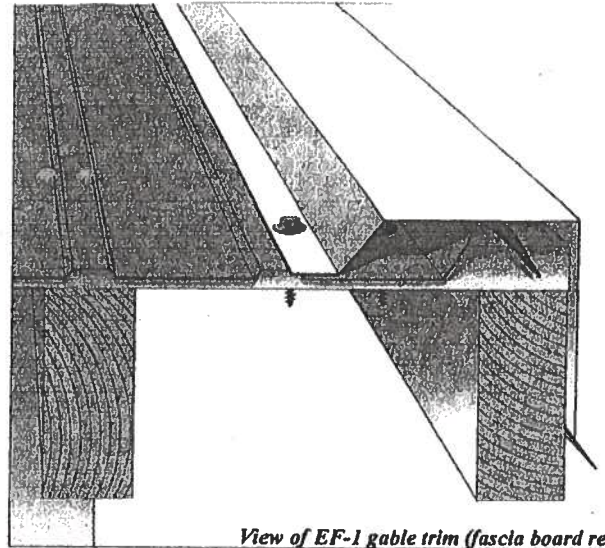
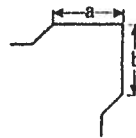
Standard dimensions —  $a = 3''$   
 $b = 3''$



### GR-1 style

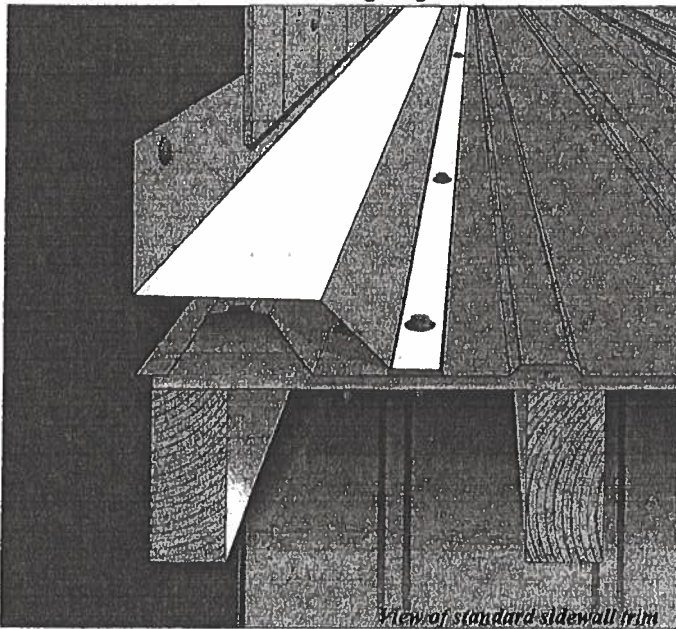
Custom trim—specify a custom length for  $a$  or  $b$ .

Standard dimensions —  $a = 3''$   
 $b = 3''$



View of EF-1 gable trim (fascia board removed)

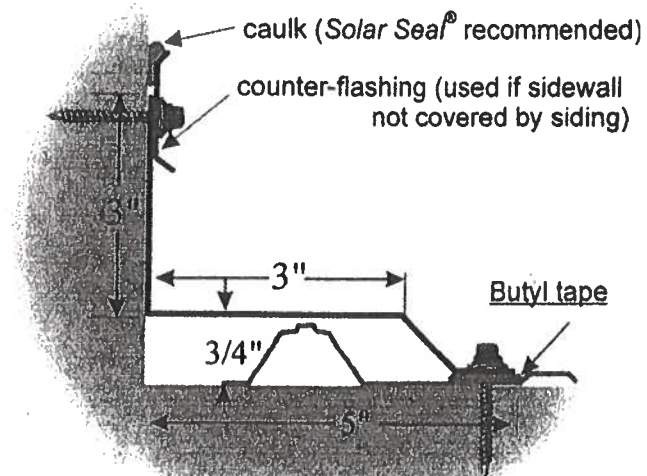
Figure 11 Gable flashing is used to trim the edge of a roofing panel at the gable end of the roof. It should make the eave drip that extends along the drip edge of the roof. The panel is allowed to hang over the gable end, and an eave drip can be used instead. Butyl tape between the trim and the panel eliminates leaks.



View of standard sidewall trim

Figure 12 Sidewall flashing is applied when the side of the roof butts up against an adjacent wall. The wall-side of the flashing can either be covered over with siding or sealed with counterflashing. Butyl tape should be applied where the "foot" of the flashing attaches to the roof, and, if used, along the top edge of the counterflashing.

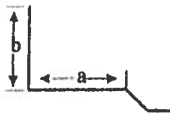
# Side-wall Flashing



### SW-1

Custom trim—specify a custom length for  $a$  or  $b$ .

Standard dimensions —  $a = 3''$   
 $b = 3''$



linear feet of panels in your order	Screw (purlin) Spacing			
	12 inch	18 inch	24 inch	30 inch
50	270	180	135	108
100	540	360	270	216
200	1080	720	540	432
300	1620	1080	810	648
400	2160	1440	1080	864
500	2700	1800	1350	1080
600	3240	2160	1620	1296
700	3780	2520	1890	1512
800	4320	2880	2160	1728
900	4860	3240	2430	1944
1000	5400	3600	2700	2160
1100	5940	3960	2970	2376
1200	6480	4320	3240	2592

Figure 6. Tuff-rib panel screw calculation chart

### Panel lap detail

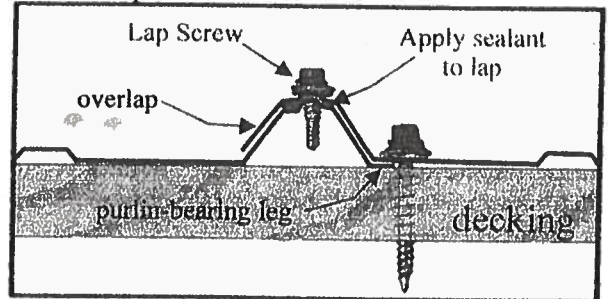


Figure 7 On low-pitched roofs butyl tape or caulk should be applied at the panel lap to keep water from overflowing the lap. Note that the *underlap* side of the panel has a short purlin-bearing leg that rests on the roof decking.

### How to figure screws:

For 2-foot spacing between rows of screws, multiply the total linear feet of metal times 2.7

*Example:* your order is 1250 feet of Tuff-rib roofing.  $1250 \times 2.7 = 3375$  screws

See table above for other spacings, or contact your Gulf Coast representative for a free estimate.

Gulf Coast Supply carries screws in 3 different lengths: 1 inch, 1½ inch, and 2½ inch. 1-inch screws will barely penetrate a 1x4, but the 1½ inch are the best all-purpose size. 1½- or 2½-inch screws are necessary for attaching ridge caps.

If care is taken, metal roofing application can be aided by pre-drilling panels, allowing screws to go quickly and accurately into the desired spacing. Pre-drilling will work provided that pilot holes are placed accurately in the proper locations on panels. Purlin spacing must be uniform and carefully measured.

To apply metal roofing over existing shingles, we recommend first overlaying the shingles with properly attached 1x4 purlins. If pressure treated purlins are used, felt paper should be applied over them in strips to prevent chemical interaction with the roofing panels. For solid decking, at least ½-inch plywood or its equivalent is required. For minimum penetration (such as might be desired over porches), 1-inch screws are recommended.

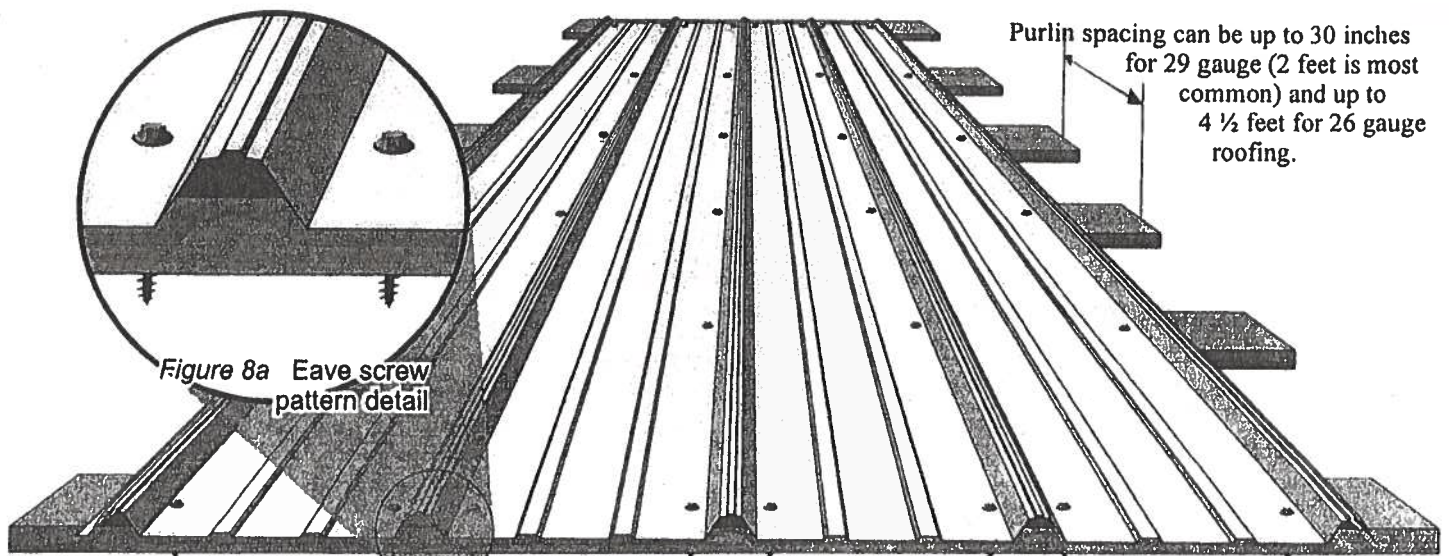


Figure 8a Eave screw pattern detail

Figure 8 Screws should be placed on both sides of the ribs on the eave

Purlin spacing can be up to 30 inches for 29 gauge (2 feet is most common) and up to 4½ feet for 26 gauge roofing.

## Ordering Roof Panels and Screws

Care should be taken to order panels of the correct length to avoid having to make corrective measures after purchase. Panel lengths should fall 2 to 3 inches short of the ridge *when a vented ridge is desired*, and should extend 2 to 3 inches past the eave to allow a sufficient drip edge (except as noted on pg. 3 concerning gutters). The Gulf Coast sales personnel are ready to assist customers with information specific to their particular roof.

Specially-washed screws applied through the flat of the metal is the most recommended method used to attach roofing panels. 1-inch screws can be used if penetration of only  $\frac{3}{4}$  inch is either necessary or desired; otherwise,  $1\frac{1}{2}$  inch screws are usually recommended.  $2\frac{1}{2}$  inch screws are also available, and are often used by those who adhere to through-the-rib fastening, and for ridge-cap application. See page 6 for more information on screw spacing and ordering.

## Ordering and Applying Trim

The most common flashing for metal roofing is the *ridge cap*, which is used at the peak of a roof where two opposing roof slopes join. Other flashings include *transition flashing*, *end wall* and *sidewall flashings*, and *valleys* (see diagram on right for application). Eave flashings include *gable flashing* and *eave drip*, either of which are often applied above *fascia* trim. When roof pitch exceeds 5/12 (a 5 inch rise in 12 inches), the slope of the roof should be mentioned when ordering ridge caps, endwalls, and eave drip. When a steeper roof slope meets a lesser slope, both slopes should be mentioned when ordering transition flashing.

At the gable edge the use of gable trim adds to the appearance of the structure and protects the fly-rafter, and sidewall flashing is used where the *side* of a panel butts up against an adjacent wall. In either case, the installer should be careful to seal between the gable rake or sidewall and panel with butyl sealant tape, and to fasten the rake every 6" to 12" up the slope of the roof with the appropriate screws. If eave drip is used on the gable, the number of 90 degree eave drip should be specified separately from that used on the drip edge when ordering.

To prevent penetration of water, insects, and debris at the ridge, outside closures may be inserted between the ridge cap and the top end of the panel\*. Screws are applied through the ridge cap, closure, and rib in at least every other rib of the panels. At least a  $1\frac{1}{2}$ " (and up to a  $2\frac{1}{2}$ ") screw should be used for attaching ridge caps. Self-drilling lap screws can also be used to attach ridge caps.

## Keep Materials Dry!

Paint and finishes of Gulf Coast panels and trim are designed to withstand severe rain and wet weather conditions. Neither paint, galvanized, or Galvalume finishes, however, are designed to be in continuous contact with water for long periods of time. ***Damage will result if uninstalled panels or trim are allowed to remain wet in storage.*** Be sure to store material that will not be installed immediately in a dry location. Wet material should be air-dried and re-stacked if installation is not planned right away.

NOTICE OF COMMENCEMENT

Permit No. \_\_\_\_\_

State of Florida County of Columbia

The undersigned hereby gives notice that improvements will be made to certain real property, and in accordance with Section 719.19 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT

Legal Description of property (include the street address, if available)

3077 SW CR 718, Fort White FL 32038 Beg SE Cor of SE 1/4 of SW 1/4 Run W 449.93 FT + W 302.12 FT + S 450 FT + E 310 FT to POB DLR 686-94 QCD 1105-2406 WP 1105-2406

General Description of Improvements New Roof

Owner Katherine A. Lelis

Address 1637 NE 17th Terrace Fort Lauderdale FL 33305

Contractor Lewis Walker Roofing

Address P.O. Box 82 Fort White FL 32038

Surety N/A

Address N/A Amount of Bond \$ N/A

Any person making a loan for the construction of the improvements:

Name N/A

Address N/A

Person within the State of Florida designated by owner upon who notices or other documents may be served as

Provided by Section 719.19(1)(a) 7. Florida Statutes

Name Katherine A. Lelis

Address 1637 NE 17th Terrace Fort Lauderdale FL 33305

In addition to himself, owner designee N/A

of N/A

To receive a copy of the Lien or Notice as provided in Section 719.19(1)(b). Florida Statutes.

Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless different date is specified).

Signature of Owner Katherine A. Lelis

Katherine A. Lelis  
Printed Name of Owner

Notary Stamp Seal Sworn to and subscribed before me this 26 day of Feb, 2007

Affiant is personally known to me  or

Affiant provided the following type of Identification. \_\_\_\_\_

Notary Seal:

Jill Ryan  
Notary Signature



OFFICIAL SEAL  
Jill Ryan  
D.D.#269399  
My Commission Expires Nov. 23, 2007

Jill Ryan  
Printed Notary Name