



VILLAGE OF PALMETTO BAY
9705 E. HIBISCUS STREET
PALMETTO BAY, FLORIDA 33157
(305) 259-1234 Fax: (305) 259-1290

REQUEST FOR PUBLIC RECORDS

Requests are filled in accordance with the provisions of Chapters 119 and 257, Florida Statutes.

DATE: 3-16-18

NAME: James Hunt

COMPANY: _____

ADDRESS: _____

PHONE: 619-246-2995 FAX: _____

EMAIL: james.p.hunt2@gmail.com

REQUEST (Attach additional page, if necessary): Copies of the following documents:

Copy of closed permit for a roof
replacement at 7820 SW 147th, Palmetto Bay, FL.
The permit closed at the beginning
of January 2018.

* via on-line public record request attached

FOR USE BY VILLAGE STAFF ONLY

TRACKING NO.: 2018-080

DATE FORWARDED: 3/19/18

ASSIGNED DEPT: Building

DATE REQUEST FILLED: 3/22/18

NUMBER OF COPIES: 22

ESTIMATED TIME (IF APPLICABLE): _____ ESTIMATED COST: _____

HOW WAS REQUEST FILLED? _____

IF NOT FILLED, REASON: _____

BY: [Signature]

Melissa Dodge

From: noreply@civicplus.com
Sent: Friday, March 16, 2018 4:15 PM
To: Missy Arocha; Melissa Dodge
Subject: Online Form Submittal: Public Records Requests

Public Records Requests

33-5022-031-0300

PUBLIC RECORDS
REQUEST FORM

Public Records Policy

Date	3/16/2018
Name	James Hunt
Company	Field not completed.
Phone Number	6192462995
Email Address	<u>james.p.hunt2@gmail.com</u>
Address	799 Hummingbird Ct El Cajon, ca 92019
Preferred Delivery Method	Electronic (via email- email address required)
Are you a member of the media?	No

BOX 18

BRF 2012-0773

Public Record Request(s): Request the closed permit for a roof replacement at 7820 sw 147 st. Palmetto Bay, FL 33158. The permit closed at the beginning of January 2013. I am purchasing the home and need to get home owners insurance. The seller is 90 and not able to get it for me.

Thank You

Please note that there may be a fee associated with your request depending on the extent of the information being requested. If so, the Office of the Village Clerk will contact you about any associated fees. If you have any further questions, please email Village Clerk Arocha at marocha@palmettobay-fl.gov

Email not displaying correctly? [View it in your browser.](#)



EXPRESS PERMITS FEE

I understand that an additional fee of \$ 25.00
(per-review) will be applied to my permit at final fee.

Authorization:

Date:

EXPEDITED PLAN REVIEW

I understand that an additional fee of \$89.25 (per trade, per review)
will be applied to a rush review for permits with plans. (For example:
New Construction, Additions, and Remodeling & Revision to plans.

Authorization:

Date:

1/4/2013

Inspection Schedule for aramos
Scheduled for January 04, 2013

<u>Permit#</u>	<u>Address</u>	<u>Folio</u>	<u>Contractor</u>
BRF-2012-0773	7820 SW 147 ST	3350220310360	ISAACS ROOFING & INSULATION CORP.(DEL SOL ISAI. (305) 234-5234
		<u>Owner</u>	
		DONALD J &W MARLYN M KREMER	

Description
RE-ROOFTILE TO SHINGLE 3500 SQFT & FLAT TO FLAT 900 SQFT 4400 SQFT

Type: 763 INSTALLATION/IN-PROGRESS Time: 08:00

Notes:

Comments: DENIED - NOT READY

Date: 1/4/13 Signature: ARC

1/9/2013

Inspection Schedule for aramos
Scheduled for January 09, 2013

Permit# BRF-2012-0773 **Address** 7820 SW 147 ST **Folio** 3350220310360 **Contractor** ISAACS ROOFING & INSULATION CORP.(DEL SOL ISAI (305) 234-5234

Owner DONALD J & W MARLYN M KREMER

Description
RE-ROOFTILE TO SHINGLE 3500 SQFT & FLAT TO FLAT 900 SQFT 4400 SQFT

Previous: <u>Action</u>	<u>Description</u>	<u>Complete</u>	<u>Result</u>	<u>Staff</u>
700	NOC	1/4/13 10:06 am	apprve	aramos
761	APPROVED AR * AH TIN CAP/BASE PLY	1/7/13 3:37 pm	cancel	aramos
763	CANCELLED CARRYOVER DUE TO RAIN INSTALLATION/IN-PROGRESS DENIED NOT READY AR * AH	1/4/13 10:04 am	denied	aramos

Type: 760 SHEATHING AFFIDAVIT MITIGATION REPORT Time: 08:00

Notes:

Comments: *OK*

Date: *1/9/13*

Signature: *AK*

Type: 761 TIN CAP/BASE PLY */IN-PROGRESS* Time: 08:00

Notes:

Comments: *OK*

Date: *1/9/13*

Signature: *AK*

FINAL - OK

OWNER'S AFFIDAVIT OF EXEMPTION

**ROOF TO WALL CONNECTION HURRICANE MITIGATION RETROFIT FOR EXISTING SITE-BUILT SINGLE FAMILY RESIDENTIAL STRUCTURES
PURSUANT TO SECTION 553.844 F.S.**

12/8/2013
To: Village of Palmetto Bay

Re: Owner's Name MARILYN KREMER

Property Address 7820 SW 147 ST.

Roofing Permit Number BEF 20120773

Dear Building Official:

I Marilyn Kremer certify that I am not required to retrofit the roof to wall connections of my building because:

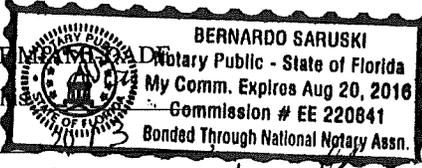
The just valuation for the structure for purposes of ad valorem taxation is less than \$300,000.00.

The building was constructed in compliance with the provisions of the Florida Building Code (FBC) or with the provisions of the 1994 edition of the South Florida Building Code (1994 SFBC).

X Marilyn Kremer
Signature of Property Owner

MARILYN KREMER
Print Name

STATE OF FLORIDA COUNTY OF DADE
Sworn to and subscribed before me this 8th
day of January
(SEAL)



Bernardo Saruski

Personally known
 or Produced Identification

When the just valuation of the structure for purposes of ad valorem taxation is equal to or more than \$300,000.00, and the building was not constructed in compliance with the FBC nor with 1994 SFBC, and affidavit of Roof to Wall Connection Hurricane Mitigation Retrofit must be provided.



Sheathing Affidavit/ Secondary Water Barrier
(FBC 2004)

Job Address: 7820 SW 147 St Permit No.: BRF 20120773
Name of Roofing Company: Isaac's Roofing & Insulation
Name of Qualifier: Alain Gonzalez License No.: EA01325556
Address: 17205 S Dixie Hwy. Haco Miami, FL 33157

I, Alain Gonzalez do hereby affirm:
(Print Name of Qualifier)

That I have personally inspected the re-nailing of the existing roof sheathing as required by Florida Building Code (FBC) Section 201.1 for the area covered by the roofing permit referenced above and further state that the re-nailing of the sheathing meets the requirements of the current edition of the Florida Building Code sections FBC Section 201.1. Nail spacing shall be 6 (six) inches on center at panel edges, 6(six) inches on center at intermediate supports, and where applicable 4 (four) inches on center over gable ends and sub-fascia. Existing fasteners may be utilized to achieve such minimum spacing. I also certify that a secondary water barrier that meets the requirements of F.B.C. Section 201.2 been achieved and hereby provide the accompany photos for verification.

[Signature]
Qualifier/Contractor Signature * Date

Alain Gonzalez having first been duly sworn, does affirm
(Print Name of Qualifier/ Contractor) the statement above to be true and correct by his/her own personal knowledge.

[Signature]
Notary (Seal/Stamp) Date

NOTARY PUBLIC STATE OF FLORIDA
Reina Pino
Commission # EE092375
Expires: MAY 10, 2015
BONDED THRU ATLANTIC BONDING CO., INC.

- Personally Known to me
 - Produced photo ID- Type of ID _____
- * An Owner/Builder acting as contractor is considered the qualifier for this code.

1/8/2013

**Inspection Schedule for aramos
Scheduled for January 08, 2013**

<u>Permit#</u>	<u>Address</u>	<u>Folio</u>	<u>Contractor</u>
BRF-2012-0773	7820 SW 147 ST	3350220310360	ISAACS ROOFING & INSULATION CORP.(DEL SOL ISAL (305) 234-5234
		<u>Owner</u>	
		DONALD J & W MARLYN M KREMER	

Description
RE-ROOFTILE TO SHINGLE 3500 SQFT & FLAT TO FLAT 900 SQFT 4400 SQFT

Previous: <u>Action</u>	<u>Description</u>	<u>Complete</u>	<u>Result</u>	<u>Staff</u>
700	NOC	1/4/13 10:06 arr	apprve	aramos
763	APPROVED AR * AH INSTALLATION/IN-PROGRESS	1/4/13 10:04 arr	denied	aramos
	DENIED NOT READY AR * AH			

Type: 761 TIN CAP/BASE PLY Time: 08:00

Notes:

Comments:

carryover.

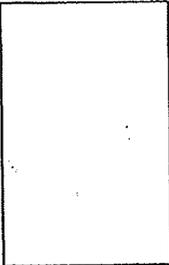
Date:

Signature:



Village of Palmetto Bay Permit Application

Department of Building & Capital Projects
 9705 E. Hibiscus Street
 Palmetto Bay, Florida 33157
 Phone: (305) 259-1250 Fax: (305) 250-1291 Inspections: (305) 259-1253



GENERAL INFORMATION: Please read these instructions carefully before submitting the work for review.

This application must be completed and signed by both the property owner and qualifier. Both of these signatures must be notarized. Please print legibly or type in order not to delay your application. For roofing permits, in addition to this permit you must also fill out a roofing permit application. Express permits require an additional fee and will only be accepted between the hours of 8:00 A.M. and 10:00 A.M., Monday through Friday. All other permits/plans must be dropped off before 4:30 p.m. for regular processing. During the processing of your application you may be asked to submit additional information. There may be additional permits and reviews required from other governmental agencies not affiliated with Palmetto Bay.

APPLICATION

<u>Clerk's Initials</u> [Signature]	<u>Plan Process Number</u> BRF 2012	<u>Master Permit Number</u> 0773	<u>Subsidiary Permit Number(s)</u>	<u>Expiration Date</u>
<u>Job Address:</u> 7820 SW 147 ST	Address	Unit number	PALMETTO BAY City	FL State
				33158 Zip Code

<u>Folio Number:</u> 3350220310360	<u>Linear Feet:</u> 44 sq. <u>Units:</u> _____ <u>Stories:</u> _____
<u>Lot:</u> _____ <u>Block:</u> _____	<u>Value of Proposed Work:</u> \$18K <u>Est. Bldg. Value:</u> _____
<u>Subdivision:</u> _____ <u>PB:</u> _____ <u>PG:</u> _____	<u>Tax Assessed Value:</u> _____
<u>Current Use of Property:</u> RESIDENCE	<u>Flood Zone:</u> _____ <u>Base Floor Elev.:</u> _____
<u>Proposed Use of Property:</u> REROOF	<u>Homeowner's Association:</u> _____
<u>Description of Work:</u> REROOF TILE TO SHINGLE REROOF FLAT TO FLAT	<i>I affirm that there <input type="checkbox"/> are or <input type="checkbox"/> are no restrictive covenants associated with the underlying property that would affect the pending application. Failure to disclose this information shall result in the immediate revocation of any type of permit or certificate of use/occupancy.</i>
<u>Zoning:</u> _____ <u>Square Feet:</u> 4100	
<u>Tenant Information:</u> _____ <u>Unit Number:</u> _____	

Check Permit Type		Check Permit Change		Check Type of Improvement			
Building		Change of Contractor		New Construction		Deck/Concrete flatwork	
Electrical		Permit Renewal		Exterior Alteration		Window Replacement	
Mechanical		Plan Revision		Interior Alteration		Shutters	
Plumbing		Permit Extension		Attached Addition		Garage Doors	
LPGX		Supplement		Detached Addition		Storage Shed	
Roofing	X	Re-inspection Fee		Repair		Railings	
Fence				Repair due to Fire		Stairs	
Sign				Demolish		Windows/Doors	
Public Works				Screen Enclosure		Roofing	
Other				Driveway		Re-Roof	
				Fence		Seal-cote	
				Pool		Other	

12/21/12
 [Signature]
 1

Architect Information	Engineer Information
Name:	Name:
License Number:	License Number:
Address:	Address:
Telephone Number:	Telephone Number:
Fax Number:	Fax Number:
Other:	Other:

Property Owner	Contractor
Name: <u>MARILYN KREMER</u>	Company Name: <u>ISAACS ROOFING</u>
Address: <u>7920 SW 147 ST</u>	Qualify: <u>ISAACS ROOFING</u>
Home Telephone: <u>305-238-5660</u>	License Number: <u>0001327401</u>
Business Telephone:	Address: <u>17225 S. DIXIE HWY #200</u>
Other Telephone:	Telephone Number: <u>305-234-5234</u>
Fax Number:	Fax Number: <u>305-234-5753</u>
Does Property have Homestead Exemption	Phone Number for Pick Up

Bond Company (if applicable)	Mortgage Lender
Name:	Name:
Address:	Address:
City: State: Zip	City: State: Zip

Classification Of Proposed Work		
Residential <input checked="" type="checkbox"/>	Duplex <input type="checkbox"/>	Townhouse <input type="checkbox"/> Multi Family <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other <input type="checkbox"/>
Effective Code _____	Occupancy _____	Construction Type _____
Zoning: _____	Variance Number: _____	Remarks: _____

OWNER AFFIDAVIT

Application is hereby made to obtain a permit to do the work and installation as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL, MECHANICAL, PLUMBING, SIGNS, WELLS, POOLS, ROOFING, SHUTTERS, WINDOWS, FURNACES, BOILERS, HEATERS, TANKS, FENCE, DRIVEWAYS and AIR CONDITIONERS, ETC. In addition to the requirements of this permit, there may be additional restrictions found in the Public Records, and there may be additional permits required from other governmental entities.

I, the owner of the property, have disclosed all information related to any work that has been performed in the prior twelve months to the Building Division as part of this application. Further, I am fully aware that if the cumulative cost of work to my home or business under this and any other permit equals or exceeds fifty percent of the fair market value of the structure, the entire structure must meet the present federal flood criteria for finished floor elevation. I am also fully aware that if the cost of work to my home or business under this and any other permit equals or exceeds fifty per cent of the replacement cost of the structure, then the entire structure must conform to current code requirements of the Florida Building Code.

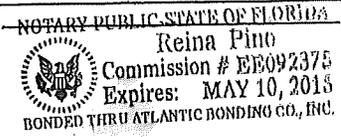
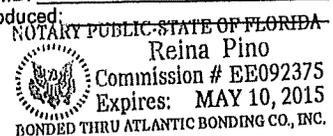
I, the owner of the property, understand that a permit application is subject to denial and a validated permit or permit card is subject to revocation or modification based upon applicable deeds, covenants, declarations, easements and any other legal restriction. By issuing a permit, the Village of Palmetto Bay makes no representation as to the existence or validity of any property restriction.

I, the owner of the property 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.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVMENTS 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.

Marilyn Kremer
 Signature of Owner
 State of Florida, County of Dade
 Sworn to (or affirmed) and subscribed before this 12 day
 of Dec, 2013
 by (print name) _____
 Notary Name Reina Pino
 Personally known or I.D. _____
 Type of Identification produced: _____

[Signature]
 Signature of Qualifier
 State of Florida, County of Dade
 Sworn to (or affirmed) and subscribed before this 12 day
 of Dec, 2013
 by (print name) _____
 Notary Name Reina Pino
 Personally known or I.D. _____
 Type of Identification produced: _____



IMPORTANT NOTICES

- Do not begin work without receiving you validated permit and permit card. Applying for a permit does not grant you the right to commence construction. Construction can only occur during the hours of 7:00 a.m. to 7:00 p.m., Monday thru Saturday and from the hours of 9:00 a.m. to 6:00 p.m. on Sundays and Federal holidays.
- All construction sites must be maintained in a clean and orderly condition free from construction debris. Failure to do so will result in a fine and a suspension of inspections until said property is cleaned.
- Streets and neighboring properties shall be kept free from dirt and debris.
- Swales must be protected from damage by equipment or vehicles and sidewalks cannot be blocked.
- Portable Toilets for construction jobs require a separate permit. If toilet is not available the inspection will not be performed.
- Water cannot be discharged into the right of way or storm drains without the approval of the Public Works Department.
- No equipment or materials can be stored on the right of way; they must only be stored on your property.
- Florida Department of Health approval is required for applications involving Septic Tanks. Department of Environmental Resources Management (DERM) and /or Miami-Dade Water and Sewer Department approval is required for applications involving sewers and water. The tree section of the Department of Environmental Resources Management (DERM) approval is required on all landscape plans and on all tree removal applications.

CHECKLIST (OFFICE USE ONLY)

- | | | |
|--|---|---|
| <input type="checkbox"/> OWNER-BUILDER FORM
(Attached) | <input type="checkbox"/> HEALTH DEPARTMENT APPROVAL
(Septic/Sewer) | <input type="checkbox"/> PERMIT CLERK REVIEW
By: _____ |
| <input type="checkbox"/> FIRE DEPARTMENT APPROVAL
(Commercial/multi (family only) | <input type="checkbox"/> IMPACT FEE
(New Construction) | <input type="checkbox"/> Complete Application |
| <input type="checkbox"/> CONCURRENCY
(New Construction) | <input type="checkbox"/> SCHOOL REVIEW
(New Construction) | <input type="checkbox"/> Current liability ins. |
| <input type="checkbox"/> PROOF OF OWNERSHIP
(Attached) | <input type="checkbox"/> DERM REVIEW
(New Construction/Additions/Tree Removal) | <input type="checkbox"/> Worker's Comp. |
| <input type="checkbox"/> CONDO ASSOCIATION APPROVAL | <input type="checkbox"/> PUBLIC WORKS | <input type="checkbox"/> Cont. Lic. Check |
| <input type="checkbox"/> UPFRONT FEES AMOUNT: _____ | | <input type="checkbox"/> OTHER
(Specify and Attach) |
| | | <input type="checkbox"/> FLORIDA DEPARTMENT OF
BUSINESS AND
PROFESSIONAL REGULATION
APPROVAL (RESTAURANTS) |

PERMIT FEES (OFFICE USE ONLY)

Scanning Fees Small (1.85 per sheet)	Art In Public Places
Scanning Fees Large (3.50 per sheet)	Certificate of Use and Occupancy
Village of Palmetto Bay Permit Fees	Concurrency Fee (7.35%)
Miami-Dade County Fees (sq. ft. x \$65//1000x0.60)	Technology Fee (6.3%)
Radon-Inspector State Educational Fund and DCA State fee	Zoning Inspection Fee (157.50 per application)
Code Enforcement Fine	Administration Fee
Certificate of Completion	Express Fee (25.00)
Construction Sign Fee	Public Works Fee
Roll-off Waste Container Fee (105.00 per container site)	Landscape Review Fee (175.00 per hour)
Rework Fee	Special Review Fee (80.25 per hour)
	Other

PLAN REVIEWER APPROVAL AREA (OFFICE USE ONLY)

SECTION	REVIEWER APPROVAL'S NAME	APPROVAL DATE	REJECTED DATE NUMBER 1	REJECTED DATE NUMBER 2	REJECTED DATE NUMBER 3
COMMUNITY DEVELOPMENT					
ZONING					
ELECTRICAL					
MECHANICAL					
PLUMBING					
FIRE					
ROOFING					
PUBLIC WORKS					
PLANNING					
STRUCTURAL					
BUILDING	<i>AK</i>	<i>12/21/12</i>			
BUILDING OFFICIAL					

REWORKS: A fee of \$105.50 may be charged for failure to make required corrections previously indicated. The fee shall be charged after the initial review plus one follow up review per trade. Please note that Florida Statutes 553.80 section 2(b) states "with respect to evaluation of design professionals documents, if a local government finds it necessary, in order to enforce compliance with the Florida Building Code and issue a permit, to reject design documents required by the code three or more times for failure to correct a code violation specifically noted in each rejection, including but not limited to egress, fire protection, structural stability, energy, accessibility, lighting, ventilation, electrical, mechanical, plumbing, and gas systems, or other requirements identified by rule of the Florida Building Commission adopted pursuant to Chapter 120, the local government shall impose, each time after third such review the plans are rejected for that code violation a fee of four times the amount of the proportion of the permit fee attributed to plans review".

ISSUING OFFICIAL

FINAL PLAN REVIEWED AND PREPARED FOR ISSUANCE BY: _____ DATE: *12/21/12*

CONDITIONS OF APPROVAL

PLAN TRACKING

Plans Checked out	Date	Clerk	Plans Checked in	Date	Clerk



"Delivering Excellence Every Day"

SECTION 1524

HIGH VELOCITY HURRICANE ZONES-- REQUIRED OWNERS NOTIFICATION FOR ROOFING CONSIDERATIONS

1524.1 Scope. As it pertains to this section, it is the responsibility of the roofing contractor to provide the owner with the required roofing permit, and to explain to the owner the content of this section. The provisions of Chapter 15 of the Florida Building Code, Building govern the minimum requirements and standards of the industry for roofing system installations. Additionally, the following items should be addressed as part of the agreement between the owner and the contractor. The owner's initial in the designated space indicates that the item has been explained.

mk 1. Aesthetics-workmanship: The workmanship provisions of Chapter 15 (High Velocity Hurricane Zone) are for the purpose of providing that the roofing system meets the wind resistance and water intrusion performance standards. Aesthetics (appearance) are not a consideration with respect to workmanship provisions. Aesthetic issues such as color or architectural appearance, that are not part of a zoning code, should be addressed as part of the agreement between the owner and the contractor.

mk 2. Rerailing wood decks: When replacing roofing, the existing wood roof deck may have to be rerailed in accordance with the current provisions of Chapter 16 (High Velocity Hurricane Zones) of the Florida Building Code. (The roof deck is usually concealed prior to removing the existing roof system).

mk 3. Common roofs: Common roofs are those which have no visible delineation between neighboring units (i.e. townhouses, condominiums, etc.). In buildings with common roofs, the roofing contractor and/or owner should notify the occupants of adjacent units of roofing work to be performed.

mk 4. Exposed ceilings: Exposed, open beam ceilings are where the underside of the roof decking can be viewed from below. The owner may wish to maintain the architectural appearance; therefore, roofing nail penetrations of the underside of the decking may not be acceptable. The owner provides the option of maintaining this appearance.

mk 5. Ponding water: The current roof system and/or deck of the building may not drain well and may cause water to pond (accumulate) in low-lying areas of the roof. Ponding can be an indication of structural distress and may require the review of a professional structural engineer. Ponding may shorten the life expectancy and performance of the new roofing system. Ponding conditions may not be evident until the original roofing system is removed. Ponding conditions should be corrected.

mk 6. Overflow scuppers (wall outlets): It is required that rainwater flow off so that the roof is not overloaded from a build up of water. Perimeter/edge walls or other roof extensions may block this discharge if overflow scuppers (wall outlets) are not provided. It may be necessary to install overflow scuppers in accordance with the requirements of: Chapter 15 and 16 herein and the Florida Building Code, Plumbing.

mk 7. Ventilation: Most roof structures should have some ability to vent natural airflow through the interior of the structural assembly (the building itself). The existing amount of attic ventilation shall not be reduced. Exception: Attic spaces, designed by a Florida-licensed engineer or registered architect to eliminate the attic venting, venting shall not be required.

Owner's/Agent's Signature: [Signature]

Date: 12/10/12

Contractor's Signature: [Signature]

Permit Number: [Blank]

Property Address: 7820 SW 147 ST PALMETTO BAY, FL 33158



Miami-Dade County HVHZ Electronic Roof Permit Form

"Delivering Excellence Every Day"

Section A (General Information)

Master Permit No: Process No:

Contractor's Name: Isaacs Roofing Corp.

Job Address: 7820 SW 147 St.

Roof Category

- Low Slope
- Mechanically Fastened Tile
- Mortar/Adhesive Set Tile
- Asphaltic Shingles
- Metal Panel/Shingles
- Wood Shingles/Shakes
- Sprayed Polyurethane Foam
- Other:

Roof Type

- New Roof
- Re-Roofing
- Recovering
- Repair
- Maintenance

Are there Gas Vent Stacks located on the roof? Yes No If yes, what type? Natural LPGX

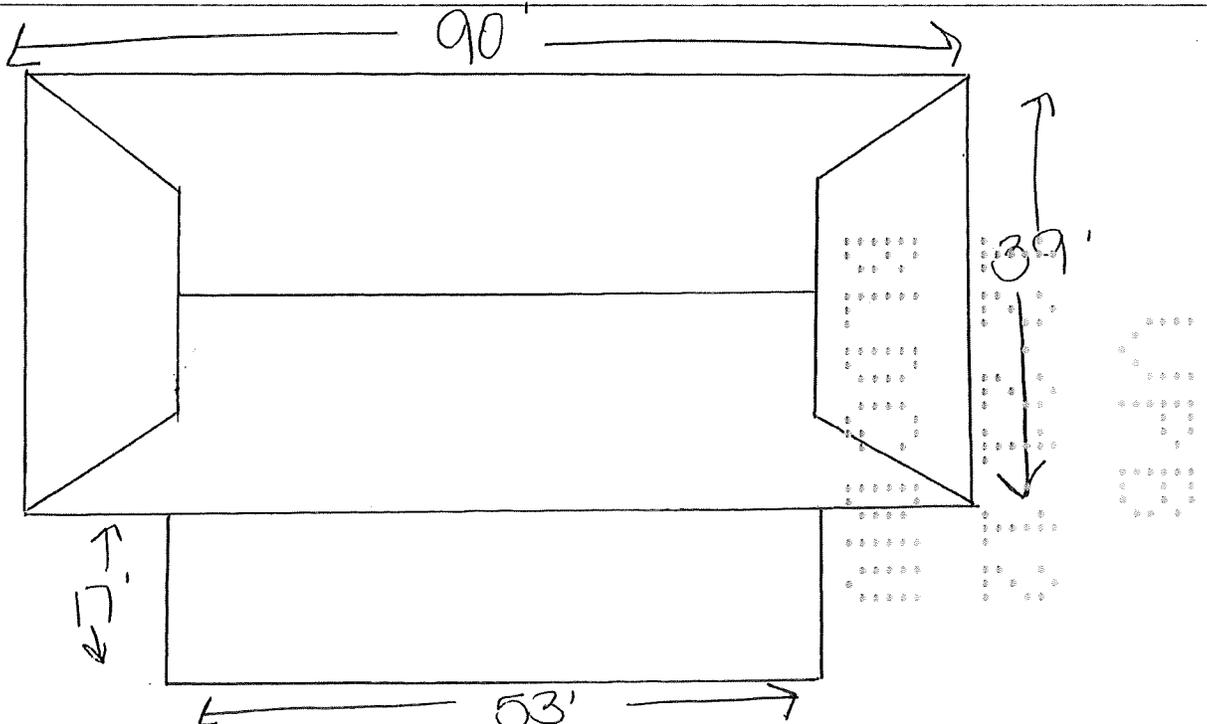
Roof System Information

Low slope roof area (ft.²) 900 Steep Sloped area (ft.²) 3500 Total (ft.²) 4400

Section B (Roof Plan)

Sketch Roof Plan: Illustrate all levels and sections, roof drains, scuppers, overflow scuppers and overflow drains. Include dimensions of sections and levels, clearly identify dimensions of elevated pressure zones and location of parapets.

Perimeter Width (a'): Corner Size (a' x a'):





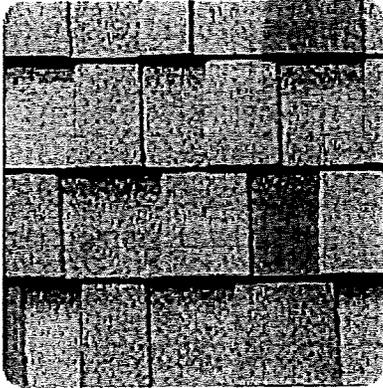
Miami-Dade County
HVHZ Electronic Roof Permit Form
Section D Shingle Roof System

"Delivering Excellence Every Day"

Roof System Manufacturer:

Notice of Acceptance Number:

Fill in the specific roof assembly components. If a component is not required, insert not applicable (n/a) in the text box.



Deck Type:

Optional Insulation:

Optional Nailable Substrate:

Optional Nailable Substrate Attachment:

Underlayment/Base Sheet Type:

Fastener Type for Basesheet Attachment:

Optional Peel & Stick Membrane:

Shingle Type:

Drip Edge Size & Gauge:

Drip Edge Material Type:

Drip Edge Fastener Type:

Hook Strip/Cleat gauge or weight:

Roof Slope: "12"

Roof Mean Height: ft.
(Maximum roof mean height 33 ft.)

Optional Ridge Venting: Yes No

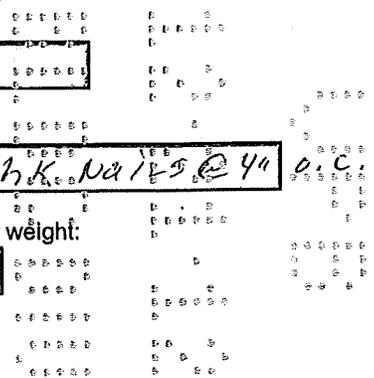
Ridge Vent NOA Number:

Installed Ridge Venting: lineal ft.

Installed Ridge Venting: ft.²

Existing Soffit Intake: ft.²

Note: In no case shall the amount of exhaust ventilation at the ridge exceed the amount of soffit ventilation.





Miami-Dade County Building & Neighborhood Compliance Department
HVHZ Electronic Roof Permit Form
Section C page (Low Slope Roof Systems)

"Delivering Excellence Every Day"

Fill in the specific roof assembly components. If a component is not required, insert not applicable (n/a) in the text box.

ROOF SYSTEM MANUFACTURER: GAF Material Corp

Product Approval (NOA): 07-1219.09 System Type: BUR

Wind Uplift Pressures, From RAS 128 or Sealed Calculations:

(P1) Field: 42.8 psf

(P2) Perimeters: 71.7 psf

(P3) Corners: 108.0 psf

Maximum Design Pressure From NOA: -52.5 psf

Roof Slope: 1/8 " : 12 Roof Mean Height: 10' ft.

Parapet Walls: No Yes Parapet wall Height: ft.

Deck Type: --5/8" Plywood--

Support Spacing: N/A " o/c

Alternate Deck Type: N/A

Existing Roof: N/A

Fire Barrier: N/A

Vapor Barrier: N/A

Anchor Sheet: G-2 Base

Anchor Sheet Fastener / Bonding Material: 1.25" Ring Shank Nails

Insulation Base Layer Size & Thickness: N/A

Insulation Base Layer Fastener / Bonding Material: N/A

Insulation Top Layer Size & Thickness: N/A

Insulation Top Layer Fastener / Bonding Material: N/A

Base Sheet(s) & No. of Ply(s): N/A

Base Sheet Fastener / Bonding Material: N/A

Ply Sheet(s) & No. of Ply(s): GAF Glass Ply 4 (2)

Ply Sheet Fastener / Bonding Material: Hot Mop with Asphalt

Top Ply: GAF Mineral Surface Capsheet

Top Ply Fastening / Bonding Material: Hot mop with Asphalt

Surfacing: Granules

SINGLE PLY MEMBRANE:

Single Ply Manufacturer / Type: N/A

Single Ply Sheet Width: N/A " 1/2 Sheet Width: N/A "

No. of Single Ply 1/2 sheets: N/A

Single Ply Membrane Fastening / Bonding Material: N/A

FASTENER SPACING FOR BASESHEET ATTACHMENT

SINGLE PLY MEMBRANE ATTACHMENT

1. Field: 9 " o/c @ Laps & 2 rows 9 " o/c

2. Perimeter: 6 " o/c @ Laps & 4 rows 6 " o/c

3. Corner: 6 " o/c @ Laps & 4 rows 6 " o/c

NUMBER OF FASTENERS PER INSULATION BOARD:

1. Field: N/A 2. Perimeter: N/A 3. Corner: N/A

Insulation Fastener Type : Hot Asphalt

WOOD NAILER TYPE AND SIZE: N/A

Wood Nailer Fastener Type and Spacing: N/A

EDGE & COPING METAL SIZES:

Edge Metal Material: --Galvanized Metal--

Edge Size: --3" face 26 ga.--

Hook Strip Size: --METAL EDGE HOOK STRIP N/A--

Edge Metal Attachment: 1 1/4" Ring Shank nails @ 4" o.c.

Coping Material: --PARAPET COPING METAL N/A--

Coping Size: --COPING METAL SIZE N/A--

Hook Strip Size: --COPING METAL HOOK STRIP N/A--

Parapet Coping Metal Attachment: N/A



Miami-Dade County Building & Neighborhood Compliance Department
HVHZ Electronic Roof Permit Form

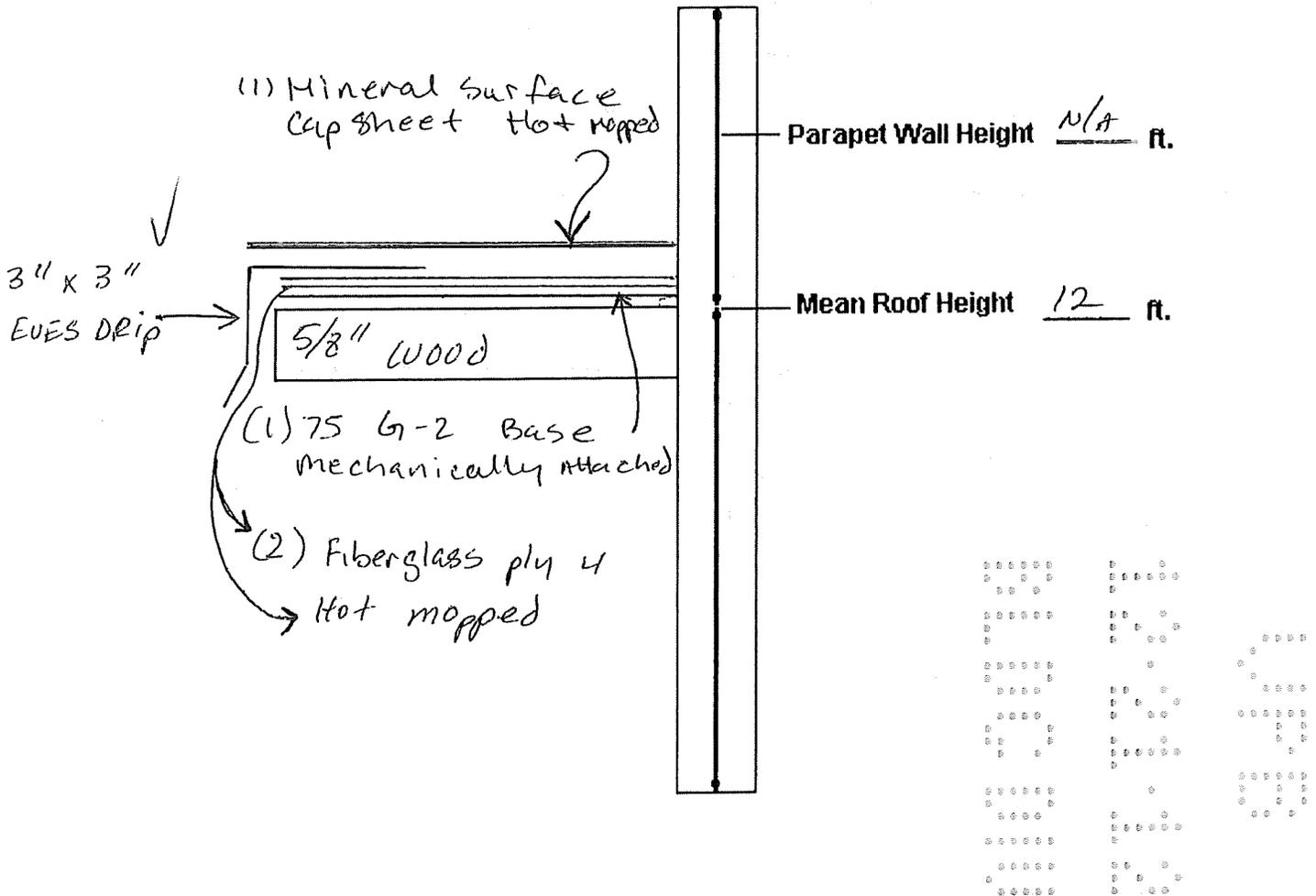
"Delivering Excellence Every Day"

Illustrate Components Noted and Details as Applicable:

Woodblocking, Gutter, Edge Terminations/Stripping/Flashing, Continuous Cleat, Cant Strip, Base Flashing, Counterflashing, Coping, Etc.

Indicate: Mean Roof Height, Parapet Height, Height of Base Flashing, Component Material, Material Thickness, Fastener Type, Fastener Spacing

Or: Submit Manufacturers Details that Comply with RAS-111 and Chapter 15 HVHZ, FBC.





DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

NOTICE OF ACCEPTANCE (NOA)

GAF Materials Corp.
1361 Alps Rd.
Wayne, NJ 07470

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: GAF Timberline® Prestique 30, Timberline® HD, Timberline® Natural Shadow™, and Timberline® American Harvest™ Shingles

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This renews and revises NOA#10-0720.10 and consists of pages 1 through 6.
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 11-1122.04
Expiration Date: 02/21/17
Approval Date: 02/09/12
Page 1 of 6

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Underwriters Laboratories, Inc.	ASTM D3462	11CA48924	10/24/11
Underwriters Laboratories, Inc.	ASTM D3462	10CA21994	04/22/11
Underwriters Laboratories, Inc.	ASTM D3462	10CA28717	07/26/11
Underwriters Laboratories, Inc.	ASTM D3462	05CA47541	11/10/06
Underwriters Laboratories, Inc.	ASTM D3462	06CA31580	11/30/06
PRI Asphalt Technologies, Inc.	ASTM D3462	GAF-101-02-02	11/02/05
Underwriters Laboratories, Inc.	ASTM D3462	06NK05159	08/09/06
PRI Asphalt Technologies, Inc.	ASTM D3462	GAF-098-02-02	11/08/05
Underwriters Laboratories, Inc.	ASTM D3462	02NK41809	08/11/02
Underwriters Laboratories, Inc.	ASTM D3462	03NK26444	10/17/03
Center for Applied Engineering	ASTM D3462	257989	05/13/97
Underwriters Laboratories, Inc.	TAS 107	01NK45803	04/13/94
Underwriters Laboratories, Inc.	TAS 107	06NK05159	08/09/06
Underwriters Laboratories, Inc.	TAS 107	04NK04273	02/20/04
Underwriters Laboratories, Inc.	TAS 107	05CA42840	11/11/05
Underwriters Laboratories, Inc.	TAS 107	02NK41811	11/11/02
Underwriters Laboratories, Inc.	TAS 107	03CA35209	10/17/03
Underwriters Laboratories, Inc.	TAS 107	04CA13850	08/30/04
Center for Applied Engineering	TAS 100	257989	04/01/97
PRI Asphalt Technologies, Inc.	TAS 100	GAF-044-02-01	01/13/04
PRI Asphalt Technologies, Inc.	TAS 100	GAF-098-02-01	11/08/05
PRI Asphalt Technologies, Inc.	TAS 100	GAF-101-02-01	11/09/05
PRI Asphalt Technologies, Inc.	TAS 100	GAF-116-02-02	03/23/06
PRI Asphalt Technologies, Inc.	TAS-100	ELK-083-02-01	10/16/02
		ELK-084-02-01	10/15/02
		ELK-085-02-01	10/14/02
		ELK-086-02-01	10/24/02
		ELK-087-02-01	10/21/02
		ELK-088-02-01	10/16/02
		ELK-107-02-01	10/09/03
		ELK-108-02-01	10/09/03
		ELK-109-02-01	10/09/03

LIMITATIONS

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Shall not be installed on roof mean heights in excess of 33 ft.
3. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.



NOA No.: 11-1122.04
 Expiration Date: 02/21/17
 Approval Date: 02/09/12
 Page 3 of 6

INSTALLATION

1. Shingles shall be installed in compliance with Roofing Application Standard RAS 115.
2. Flashing shall be in accordance with Roofing Application Standard RAS 115
3. The manufacturer shall provide clearly written application instructions.
4. Exposure and course layout shall be in compliance with Detail 'A', attached.
5. Nailing shall be in compliance with Detail 'B', attached.

LABELING

1. Shingles shall be labeled with the Miami-Dade Seal as seen below, or the wording "Miami-Dade County Product Control Approved".



BUILDING PERMIT REQUIREMENTS

1. Application for building permit shall be accompanied by copies of the following:
 - 1.1 This Notice of Acceptance.
 - 1.2 Any other documents required by the Building Official or the applicable code in order to properly evaluate the installation of this system.

MIAMI-DADE COUNTY
APPROVED



NOA No.: 11-1122.04
Expiration Date: 02/21/17
Approval Date: 02/09/12
Page 4 of 6



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

GAF Material Corporation
1361 Alps Road
Wayne, NJ 07470

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: GAF Conventional Built-Up Roof System for Wood Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 03-0501.05 and consists of pages 1 through 19.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 07-1219.09
Expiration Date: 11/04/13
Approval Date: 03/20/08
Page 1 of 19

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: BUR
Deck Type: Wood
Maximum Design Pressure -75 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Leak Buster™ Matrix™ 307 Premium Asphalt Primer	3, 5, 55 gallons	ASTM D 41	Asphalt concrete primer used to promote adhesion of asphalt in built-up roofing.
GAF Mineral Shield™ Granules	60 & 100 lb. bags	ASTM D 1863	Granules for surfacing of exposed asphalt, cold process cement or emulsion. GAF Mineral Shield™ Granules shall be used for flashing applications only.
Leak Buster™ Matrix™ 305 Fibered Asphalt Emulsion	5 gallons	ASTM 1227	Surface coating for smooth surfaced roofs.
Leak Buster™ Matrix™ 303 Premium Fibered Aluminum Roof Coating	1, 5 gallons	ASTM D 2824	Fibered aluminum coating.
LeakBuster™ Matrix™ 322 Elastomeric Roof Coating	55 gallons		Elastomeric roof coating.
LeakBuster™ Matrix™ Select Asphalt Emulsion Fibered 306	55 gallons		Asphalt emulsion fibered.
Leak Buster™ Matrix™ 204 Wet/Dry Roof Cement	1, 5 gallons	ASTM D-4586 ASTM D-3409	Refined asphalt blended with a mineral stabilizer and fibers. Permits adhesion to wet and dry surfaces.
RUBEROID® Modified Bitumen Flashing Cement	5 gallons	ASTM D 4586	Fiber reinforced, polymer modified Flashing cement
LeakBuster™ Matrix™ 201 Premium SBS Flashing Cement	5 gallons	ASTM D 4586	Asphalt flashing Cement
GAFGLAS® #75	39.37" (1 meter) wide	ASTM D 4601	Asphalt impregnated and coated glass mat base sheet.



NOA No.: 07-1219.09
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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
GAFGLAS® #80 ULTIMA™ Base Sheet	39.37" (1 meter) wide	ASTM D4601	Asphalt impregnated and coated, fiberglass base sheet
GAFGLAS® Flex Ply™ 6	39.37" (1 meter) wide	ASTM D 2178	Type VI asphalt impregnated glass felt with asphalt coating.
GAFGLAS® Ply 4	39.37" (1 meter) wide	ASTM D 2178	Type IV asphalt impregnated glass felt with asphalt coating.
GAFGLAS® Mineral Surfaced Cap Sheet	39.37" (1 meter) wide	ASTM D 3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules.
GAFGLAS® EnergyCap™ Mineral Surfaced Cap Sheet	39.37" (1 meter) wide	ASTM D 3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules with factory applied layer of TOPCOAT® EnergyCote™.
GAFGLAS® STRATAVENT® Eliminator™ Perforated	39.37" (1 meter) wide	ASTM D 4897 D 3672	Fiberglass base sheet impregnated and coated on both sides with asphalt. Surfaced on the bottom side with mineral granules embedded in asphaltic coating with factory perforations.
GAFGLAS® Flashing	Various		Asphalt coated glass fiber mat flashing sheet available in three sizes.
GAFGLAS® STRATAVENT® Eliminator™ Nailable	39.37" (1 meter) wide	ASTM D 4897 D 3672	Fiberglass base sheet impregnated and coated on both sides with asphalt. Surfaced on the bottom side with mineral granules embedded in asphaltic coating.
RUBEROID® SBS Heat-Weld™ Smooth	1 meter (39.37") wide	ASTM D-6164	Non-Woven Polyester mat coated with polymer-modified asphalt and smooth surfaced.
RUBEROID® SBS Heat-Weld™ Granule	1 meter (39.37") wide	ASTM D-6164	Non-Woven Polyester mat coated with polymer modified asphalt and surfaced with mineral granules.
RUBEROID® SBS Heat-Weld™ 170 FR	1 meter (39.37") wide	ASTM D-6164	Non-Woven Polyester mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules.
RUBEROID® SBS Heat-Weld™ PLUS	1 meter (39.37") wide	ASTM D-6164	Non-Woven Polyester mat coated with polymer modified asphalt and surfaced with mineral granules.
RUBEROID® SBS Heat-Weld™ PLUS FR	1 meter (39.37") wide	ASTM D-6164	Non-Woven Polyester mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules.
RUBEROID® SBS Heat-Weld™ 25	1 meter (39.37") wide	ASTM D-6164	Non-Woven Polyester mat coated with polymer-modified asphalt and smooth surfaced.
RUBEROID® Modified Base Sheet	39.37" (1 meter) wide	ASTM D4601, Type II, UL Type G2 BUR	Premium glass fiber reinforced SBS modified base sheet



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
RUBEROID® 20	39.37" (1 meter) wide	ASTM D 6163 ASTM D 5147	SBS modified asphalt base sheet and interply sheet reinforce with a glass fiber mat.
RUBEROID® Mop Granule	39.37" (1 meter) wide	ASTM D 6222 ASTM D 5147	Non-woven polyester mat coated with polymer modified asphalt and surfaced with mineral granules.
RUBEROID® Mop Plus (Granule)	39.37" (1 meter) wide	ASTM D 6222 ASTM D 5147	Non-woven polyester mat coated with polymer modified asphalt and surfaced with mineral granules.
RUBEROID® MOP Smooth	39.37" (1 meter) wide	ASTM D 6164 ASTM D 5147	Non-woven polyester mat coated with polymer-modified asphalt and smooth surfaced.
RUBEROID® MOP 170FR	39.37" (1 meter) wide	ASTM D 6164 ASTM D 5147	Non-Woven polyester mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules.
RUBEROID® MOP FR	39.37" (1 meter) wide	ASTM D 6164 ASTM D 5147	Non-Woven polyester mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules.
RUBEROID® TORCH Smooth	39.37" (1 meter) wide	ASTM D 5147	Heavy duty, polyester reinforced, asphalt modified bitumen membrane, smooth surface.
RUBEROID® TORCH Granule	39.37" (1 meter) wide	ASTM D 5147	Asphalt impregnated, coated felt, surfaced with mineral granule.
RUBEROID® TORCH PLUS (Granule)	39.37" (1 meter) wide	ASTM D 6222 ASTM D 5147	Heavy duty, polyester reinforced, asphalt modified bitumen membrane, granule surface.
RUBEROID® TORCH FR	39.37" (1 meter) wide	ASTM D 6222 ASTM D 5147	Heavy duty, polyester reinforced, coated with fire retardant asphalt modified bitumen membrane, granule surface.
RUBEROID® 170FR TORCH	39.37" (1 meter) Wide	ASTM D 6222 ASTM D 5147	Heavy duty, polyester reinforced, coated with fire retardant asphalt modified bitumen membrane, granule surface.
RUBEROID® 30	39.37" (1 meter) wide	ASTM D 6163 ASTM D 5147	Non-woven fiberglass mat coated with polymer modified asphalt and surfaced with mineral granules.
RUBEROID® 30 FR	39.37" (1 meter) wide	ASTM D 6163 ASTM D 5147	Non-woven fiberglass mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules.
RUBEROID® ULTRACLAD®	39.37" (1 meter) wide	ASTM D 6298 ASTM D 5147	Woven fiberglass mat coated with Polymer modified asphalt and surfaced with aluminum, copper or stainless steel foil.
RUBEROID® Dual FR	39.37" (1 meter) Wide	ASTM D 6164 ASTM D 5147	Non-woven polyester and fiberglass mat coated with fire retardant, polymer modified asphalt and surfaced with mineral granules.
Vent Stacks (metal and plastic)		TAS 100(A) ASTM D 1929 ASTM D 635	One way valve vent used to relieve built-up pressure within the roof system. GAF Vent Stacks are available in metal or plastic.



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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Leak Buster™ Matrix™ 302 Non Fibered Aluminum Roof Coating	5 gallons	ASTM D2824, Type I	Non-fibered aluminum pigmented, asphalt roof coating.
GAF Built-Up Roofing Asphalt	100 lb. cartons, bulk	ASTM D312, Types I, II, III and IV	Interply mopping and surfacing asphalt.
RUBEROID® MOD Asphalt, Asphalt L & Asphalt P	60 lb. kegs		SEBS modified asphalt.
Leak Buster™ Matrix™ 602	5 gallons		Surface coating for smooth surfaced and mineral surfaced roofs.
Leak Buster™ Matrix™ 715	5 gallons		Surface coating for smooth surfaced and mineral surfaced roofs.
LeakBuster™ Matrix™ 531 WeatherCote™	2 gallons		Surface coating for smooth surfaced and mineral surfaced roofs.
SeamCote™	2, 5 gallons	proprietary	Elastomeric roofing membrane.
FireOut™	5, 55 gallons		Low VOC, fire barrier coating.
VersaShield®	350 sq ft. roll		Non-Asphaltic Fiberglass-Based Underlayment.
VersaShield® FB-1S	350 sq ft. roll		Non-Asphaltic Fiberglass-Based Underlayment.
VersaShield® FB-2S	350 sq ft. roll		Non-Asphaltic Fiberglass-Based Underlayment.
TOPCOAT® FireShield® MB	5, 55 gallons	ASTM D-412 ASTM D-21-96 ASTM D1475 ASTM E-1644	Elastomeric roofing membrane
Leak Buster™ Matrix™ 201 SBS Flashing Cement	5 gallons	ASTM D3019	Cold Applied Modified SEBS Asphalt Adhesive – Flashing Grade.
Leak Buster™ Matrix™ 102 SBS Adhesive	5 gallons	ASTM D3019	Cold Applied Modified SEBS Asphalt Adhesive.
Leak Buster™ Matrix™ 202 SBS Flashing Cement	5 gallons	ASTM D4586	Cold Applied Modified SEBS Asphalt Adhesive – Flashing Grade.
Leak Buster™ Matrix™ 203 Plastic Roof Cement	5 gallons	ASTM D4586	Standard Plastic Asphalt Roofing Cement
Leak Buster™ Matrix™ 103 Cold Process Adhesive	5 gallons	ASTM D3019	Cold Applied Asphalt Adhesive.



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<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Leak Buster™ Matrix™ 303 Fibered Aluminum Roof Coating	5 gallons	ASTM D 2824	Fibered aluminum coating.
Leak Buster™ Matrix™ 304 Non Fibered Aluminum Roof Coating	5 gallons	ASTM D2824, Type I	Non-fibered aluminum pigmented, asphalt roof coating.

APPROVED INSULATIONS:

<u>Product Name</u>	<u>Product Description</u>	<u>Manufacturer (With Current NOA)</u>
EnergyGuard™ RA, RN Composite A & N	Polyisocyanurate foam insulation	BMCA
EnergyGuard™ Fiberboard	Polyisocyanurate foam insulation with high density fiberboard or Permalite perlite insulation.	GAF Materials Corp.
EnergyGuard™ Permalite	Fiberboard insulation.	GAF Materials Corp.
EnergyGuard™ GAFCANT™	Perlite insulation board.	GAF Materials Corp.
EnergyGuard™ Permalite Recover Board	Cut perlite board	GAF Materials Corp.
EnergyGuard™ Tapered Edge Strip	Perlite recover board	GAF Materials Corp.
EnergyGuard™ Perlite	Tapered perlite board	GAF Materials Corp.
EnergyGuard™ High Density Fiberboard	Perlite insulation board	GAF Materials Corp.
EnergyGuard™ Composite	High density wood fiberboard insulation.	GAF Materials Corp.
EnergyGuard™ Composite RA	Polyisocyanurate/wood fiberboard composite	BMCA
Wood Fiber	Polyisocyanurate/wood fiberboard composite	BMCA
High Density Wood Fiberboard	Wood fiber insulation board	generic
Perlite Insulation	Wood fiber insulation board	generic
Dens Deck®, Dens Deck® Prime, Dens Deck® Dura Guard™	Perlite insulation board	generic
Structodek	Water resistant gypsum board	G-P Gypsum Corp
Securock™	Wood fiber insulation board	Knight Celotex
	Fiber reinforced roof board	USG Corporation



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APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	Drill-Tec™ #12 Standard, #14 and #15 extra Heavy Duty Fastener , Heavy Duty Roofing Fastener	Insulation fastener and Base Play fastener for steel, wood & concrete decks.	Various	GAF Materials Corp.
2.	Drill-Tec™ ASAP	Pre-assembled Drill-Tec™ Fasteners and metal and plastic plates.	Various	GAF Materials Corp.
3.	Drill-Tec™ #12 or #14 Standard screws with AccuTrac Plate	Base sheet fastening assembly.	Various	GAF Materials Corp.
4.	Drill-Tec™ Galvalume Plates	Round Galvalume stress plates.	3" and 3 1/2"	GAF Materials Corp.
5.	Drill-Tec™ Polypropylene Plates	Round polypropylene stress plates.	3" and 3 1/2"	GAF Materials Corp.
6.	Drill-Tec™ AccuTrac Plate	Square Galvalume® coated steel plate.	3" Square	GAF Materials Corp.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Factory Mutual Research Corp.	J.I. 2B8A4.AM	4470	07.02.97
	J.I. 3B9Q1.AM	4470	01.08.98
	J.I. 0D0A8.AM	4470	07.09.99
	J.I. 0D1A8.AM	4470 - TAS 114	07.29.94
	J.I. 0Y9Q5.AM	4470 - TAS 114	04.01.98
	3029832	4470 - TAS 114	05.11.07
PRI Asphalt Technologies, Inc.	GAF-012-02-02	Physical Properties	11.06.01
	GAF-020-02-01	ASTM D 4977	02.01.02
IRT of S. Fl.	02-005	TAS 114	01.18.02
	02-014	TAS 114	03.22.02



NOA No.: 07-1219.09
 Expiration Date: 11/04/13
 Approval Date: 03/20/08
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APPROVED ASSEMBLIES

- Deck Type II:** Wood, Insulated
- Deck Description:** 19/32" or greater plywood or wood plank
- System Type A:** Anchor sheet mechanically fastened, all layers of insulation adhered with approved asphalt.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

Insulation Layer (Table 2) (When applicable: Steel plate only =S, plastic plate only =P)	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard™, EnergyGuard™ Composite, EverGuard® ISO, EnergyGuard™ RA, EnergyGuard™ RA Composite Minimum 1" thick	N/A	N/A
EnergyGuard™ High Density Wood Fiber, EnergyGuard™ Recover Board, Wood Fiber, Minimum 1/2" thick	N/A	N/A
EnergyGuard™ Perlite Minimum 3/4" thick	N/A	N/A
Fiberglas (Min. 15/16" thick)	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. Composite insulation panels may be used as a top layer placed with the polyisocyanurate side facing down. GAF requires either a ply of GAFGLAS® STRATAVENT® Eliminator™ Perforated laid dry or a layer of EnergyGuard™ Perlite or wood fiber overlay board on all isocyanurate applications.

- Fire Barrier:** FireOut™ Fire Barrier Coating, VersaShield® Non-Asphaltic Fiberglass-Based Underlayment or Securock™.
- Anchor sheet:** GAFGLAS® #80 ULTIMA™ Base Sheet, STRATAVENT® Eliminator™ Nailable, RUBEROID® Modified Base Sheet, RUBEROID® 20, RUBEROID Heat-Weld™ Smooth or RUBEROID® Heat-Weld™ 25 base sheet mechanically fastened as described below;
- Fastening Options:** GAFGLAS® Ply 4, GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Anchor sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the lap staggered and in two rows 12" o.c. in the field.
(Maximum Design Pressure —45 psf, See General Limitation #7)



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Fastening Options: GAFGLAS® Ply 4, GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Anchor sheets attached to deck with Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 12" o.c. in 3 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 12" o.c. in the field of the sheet.

(Maximum Design Pressure -45 psf, See General Limitation #7)

GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Anchor sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the 4" lap staggered and in two rows 9" o.c. in the field.

(Maximum Design Pressure -52.5 psf, See General Limitation #7)

GAFGLAS® #80ULTIMA™, RUBEROID® 20, RUBEROID® Mop Smooth, base sheet attached to deck with approved 1¼" annular ring shank nails and inverted 3" steel plate at a fastener spacing of 9" o.c. at the 4" lap and in two rows staggered with a fastener spacing of 9" o.c. in the center of the membrane.

(Maximum Design Pressure -60 psf, See General Limitation #7)

GAFGLAS® #75 Base Sheet or any of above Anchor sheets attached to deck with Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 12" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet.

(Maximum Design Pressure -60 psf, See General Limitation #7)

Any of above Anchor sheets attached to deck approved annular ring shank nails and 3" inverted Drill-Tec™ insulation plates at a fastener spacing of 9" o.c. at the 4" lap staggered in two rows 9" in the field.

(Maximum Design Pressure -60 psf, See General Limitation #7)

GAFGLAS® #75 Base Sheet or any of above Anchor sheets attached to deck with Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 8" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet.

(Maximum Design Pressure -75 psf, See General Limitation #7)

Base Sheet:

(Optional) Install one ply of GAFGLAS® #75, GAFGLAS® #80 ULTIMA™ Base Sheet, GAFGLAS® STRATAVENT® Eliminator™ Perforated, RUBEROID® Modified Base Sheet, RUBEROID® Mop Smooth, RUBEROID® 20 RUBEROID® Heat-Weld™ Smooth or RUBEROID® Heat-Weld™ directly over the top layer of insulation. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (see General Limitation #4).

Ply Sheet:

One or more plies GAFGLAS® PLY 4, GAFGLAS® Flex Ply™ 6 sheet, #80 Ultima, RUBEROID® Mop Smooth or RUBEROID® 20 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.



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Cap Sheet:

(Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

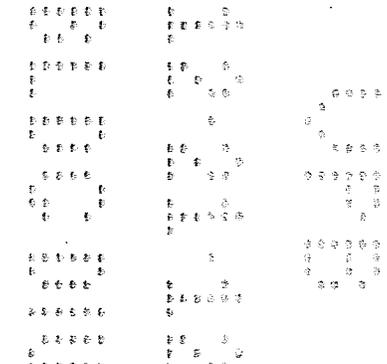
Surfacing:

(Optional, required if RUBEROID® MOP Smooth or RUBEROID® 20 is top membrane) Install one of the following:

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq. or applied in a flood coat of Leak Buster™ Matrix™ 103 Cold Process Adhesive applied at a rate of 3 gal./sq.
2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® Energy Cap Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Leak Buster™ Matrix™ 303 Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq.
4. Leak Buster™ Matrix™ 715 , Leak Buster™ Matrix™ 322, TOPCOAT® MB+, TOPCOAT® Fireshield Elastomeric Roofing Membrane, applied at 1 to 1.5 gal./sq.
5. Leak Buster™ Matrix™ 602 MB Xtra Elastomeric Roofing Membrane, EnergyCote® roof coating applied at 1 to 1.5 gal./sq.
6. TOPCOAT® Surface Seal, TOPCOAT® Fireshield® SB Solvent based Elastomeric Roofing Membrane applied at 1 to 1.5 gal./sq
7. Advance Green Technologies Photovoltaic Laminate solar energy collector auxiliary roof equipment installed in compliance with manufacturer's specifications and applicable Building Codes.

Maximum Design Pressure:

See Fastening above.



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- Deck Type II:** Wood, Insulated
- Deck Description:** 19/32" or greater plywood or wood plank
- System Type B:** Optional base sheet laid dry; base layer of insulation mechanically fastened, optional top layer adhered with approved asphalt.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

Insulation for Base Layer (Table 2) When applicable: Steel plate only =S, plastic plate only =P EnergyGuard™, EnergyGuard™ RA Minimum 1.3" thick	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard™ RN Minimum 1.4" thick	1, 2, or 3	1:3 ft ²
EnergyGuard™ Composite, EnergyGuard™ RA Composite Minimum 1.5 thick	3	1:3 ft ²
EnergyGuard™ Perlite Minimum ¾" thick	1S(3.5"), or 3	1:2 ft ²
EnergyGuard™ Fiberboard, EnergyGuard™ High Density Fiberboard Minimum 1" thick	1, 2, or 3	1:4 ft ²

Note: Base layer shall be mechanically attached with fasteners and density described. Insulation panels listed are minimum sizes and dimensions; if larger panels are used the number of fasteners per board shall be increased maintaining the same fastener density (See Roofing Application Standard RAS 117 for fastening details). GAF requires either a ply of GAFGLAS® STRATAVENT® Eliminator™ perforated laid dry or a layer of EnergyGuard™ or wood fiber overlay board on all isocyanurate applications.

Insulation for Top Layer (Table 2) When applicable: Steel plate only =S, plastic plate only =P Any of the insulations listed for Base Layer, above.	Insulation Fasteners (Table 3)	Fastener Density/ft ²
EnergyGuard™ High Density Wood Fiber, EnergyGuard™ High Density Wood Fiberboard, EnergyGuard™ Recover Board Minimum ½" thick	N/A	N/A

Note: Optional top layer of insulation shall be adhered with approved asphalt within the LVT range and at a rate of 20-40 lbs/100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Composite insulation boards used as a top layer shall be installed with the polyisocyanurate face down.

Fire Barrier: FireOut™ Fire Barrier Coating, VersaShield® Non-Asphaltic Fiberglass-Based Underlayment or Securock™.



Base Sheet: (Optional) Install one ply of GAFGLAS® #75, GAFGLAS® #80 ULTIMA™ Base Sheet, GAFGLAS® PLY 4, GAFGLAS® Flex Ply™ 6, GAFGLAS® STRATAVENT® Eliminator Perforated(laid dry), RUBEROID® Modified Base Sheet, RUBEROID® Mop Smooth or RUBEROID® 20 directly over the top layer of insulation. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq; (see General Limitation #4).

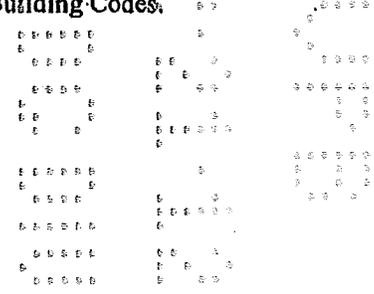
Ply Sheet: Two or more plies of GAFGLAS® PLY 4, GAFGLAS® FlexPly™ 6 ply sheet, #80 Ultima, RUBEROID® Mop Smooth or RUBEROID® 20 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (See specification number for appropriate number of plies).

Cap Sheet: (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (See GAF application instructions for approved method of installation).

Surfacing: (Optional, required if RUBEROID® MOP Smooth or RUBEROID® 20 is top membrane) Install one of the following:

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq. or applied in a flood coat of Leak Buster™ Matrix™ 103 Cold Process Adhesive applied at a rate of 3 gal./sq.
2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® Energy Cap Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Leak Buster™ Matrix™ 303 Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq.
4. Leak Buster™ Matrix™ 715, Leak Buster™ Matrix™ 322, TOPCOAT® MB+, TOPCOAT® Fireshield Elastomeric Roofing Membrane, applied at 1 to 1.5 gal./sq.
5. Leak Buster™ Matrix™ 602 MB Xtra Elastomeric Roofing Membrane, EnergyCote® roof coating applied at 1 to 1.5 gal./sq.
6. TOPCOAT® Surface Seal, TOPCOAT® Fireshield® SB Solvent based Elastomeric Roofing Membrane applied at 1 to 1.5 gal./sq
7. Advance Green Technologies Photovoltaic Laminate solar energy collector auxiliary roof equipment installed in compliance with manufacturer's specifications and applicable Building Codes.

Maximum Design Pressure: -45 psf; (See General Limitation #7)



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Deck Type II: Wood, Insulated

Deck Description: 19/32" or greater plywood or wood plank

System Type C: One or more layers of insulation simultaneously attached; Base layer optional.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

Insulation for Base Layer (Table 2) (When applicable: Steel plate only =S, plastic plate only =P) EnergyGuard™ RN, EnergyGuard™, EnergyGuard™ RA Minimum 1.3" thick	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ Min. 1.4" thick	N/A	N/A
EnergyGuard™ Composite, EnergyGuard™ RA Composite Minimum 1.5" thick	N/A	N/A
EnergyGuard™ Perlite Minimum 3/4" thick	N/A	N/A
Wood Fiber, EnergyGuard™ Fiberboard, EnergyGuard™ High Density Fiberboard Minimum 1" thick	N/A	N/A

Note: All layers shall be simultaneously fastened; see top layer below for fasteners and density. Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment. GAF requires either a ply of GAFGLAS® STRATAVENT® Eliminator™ perforated laid dry or a layer of EnergyGuard™ Perlite or wood fiber overlay board on all isocyanurate applications.

Insulation for Top Layer (Table 2) When applicable: Steel plate only =S, plastic plate only =P EnergyGuard, EnergyGuard RA Minimum 1.3" thick	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ RN Minimum 1.4" thick	1, 2, or 3	1:3 ft²
EnergyGuard™ Composite, EnergyGuard™ RA Composite Minimum 1.5 thick	3	1:3 ft²
EnergyGuard™ Perlite Minimum 3/4" thick	1S(3.5"), or 3	1:2 ft²
Fiberglas Minimum 1 5/16" thick	1, 2, or 3	1:2.67 ft²
Wood Fiber, EnergyGuard™ Fiberboard, EnergyGuard™ High Density Fiberboard Minimum 1" thick	1, 2, or 3	1:4 ft²



Note: Insulation panels listed are minimum sizes and dimensions; if larger panels are used, the number of fasteners shall be increased maintaining the same fastener density. Please refer to Roofing Application Standard RAS 117 for insulation attachment. GAF requires either a ply of GAFGLAS® STRATAVENT® Eliminator™ Perforated laid dry or a layer of EnergyGuard™ Perlite or wood fiber overlay board on all isocyanurate applications.

- Fire Barrier:** (optional) FireOut™ Fire Barrier Coating, VersaShield® Non-Asphaltic Fiberglass-Based Underlayment or Securock™.
- Base Sheet:** (Optional) Install one ply of GAFGLAS® #75, GAFGLAS® #80 ULTIMA™ Base Sheet, GAFGLAS® PLY 4, GAFGLAS FlexPly™ 6, GAFGLAS® STRATAVENT® Eliminator™ Perforated (laid dry), RUBEROID® Modified Base Sheet, RUBEROID® Mop Smooth or RUBEROID® 20 directly over the top layer of insulation. Adhere with any approved mopping asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.. If base sheet is applied directly to polyisocyanurate insulation only a spot or strip mopped application as detailed in this approval the use of an overlay board is approved; see General Limitation #4.
- Ply Sheet:** Two or more plies of GAFGLAS® PLY 4, GAFGLAS® FlexPly™ 6 ply sheet, #80 ULTIMA™, RUBEROID® Mop Smooth or RUBEROID® 20 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Cap Sheet:** (Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Surfacing:** (Optional, required if RUBEROID® MOP Smooth or RUBEROID® 20 is top membrane) Install one of the following:
1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq. or applied in a flood coat of Leak Buster™ Matrix™ 103 Cold Process Adhesive applied at a rate of 3 gal./sq.
 2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® Energy Cap Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
 3. Leak Buster™ Matrix™ 303 Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq.
 4. Leak Buster™ Matrix™ 715, Leak Buster™ Matrix™ 322, TOPCOAT® MB+, TOPCOAT® Fireshield® Elastomeric Roofing Membrane, applied at 1 to 1.5 gal./sq.
 5. Leak Buster™ Matrix™ 602 MB Xtra Elastomeric Roofing Membrane, EnergyCote® roof coating applied at 1 to 1.5 gal./sq.
 6. TOPCOAT® Surface Seal, TOPCOAT® Fireshield® SB Solvent based Elastomeric Roofing Membrane applied at 1 to 1.5 gal./sq.
 7. Advance Green Technologies Photovoltaic Laminate solar energy collector auxiliary roof equipment installed in compliance with manufacturer's specifications and applicable Building Codes.

Maximum Design Pressure:

-45 psf; (See General Limitation #7)



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Deck Type II: Wood, Insulated
Deck Description: $\frac{19}{32}$ " or greater plywood or wood plank
System Type D: Insulation and Base sheet simultaneously

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

Insulation Layer loosely laid with firmly butted joints.	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™, EnergyGuard™ RA, Minimum 1.3" thick	N/A	N/A
EnergyGuard™ High Density Fiberboard, EnergyGuard™ Fiberboard Minimum 1" thick	N/A	N/A

Fire Barrier: FireOut™ Fire Barrier Coating, VersaShield® Non-Asphaltic Fiberglass-Based Underlayment or Securock™.
(optional)

Base Sheet: Install one ply of GAFGLAS® #75, GAFGLAS® #80 Ultima ULTIMA™ Base Sheet, GAFGLAS® STRATAVENT® Eliminator™ Nailable or RUBEROID® 20 base sheet applied over the loose laid insulation with 2" side laps mechanically fastened as described below;

Fastening Options: Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates are installed through the base sheet and insulation in 3 rows 12" o.c. One row is in the 2" side lap. The other rows are equally spaced approximately 12" o.c. in the field of the sheet.
(Maximum Design Pressure -45 psf, See General Limitation #7)

Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates are installed through the base sheet and insulation in 4 rows 8" o.c. One row is in the 2" side lap. The other 3 rows are equally spaced approximately 9" o.c. in the field of the sheet.
(Maximum Design Pressure -75 psf, See General Limitation #7)

GAFGLAS® #80ULTIMA™, RUBEROID® 20, RUBEROID® Mop Smooth, base sheet attached to deck with approved annular ring shank nails with a minimum embedment of 1" into the wood substrate and inverted 3" steel plate at a fastener spacing of 9" o.c. at the 4" lap and in two rows staggered with a fastener spacing of 9" o.c. in the center of the membrane.
(Maximum Design Pressure -60 psf, See General Limitation #7)

Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates in 4 rows 12" o.c. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet.
(Maximum Design Pressure -60 psf, See General Limitation #7)

Ply Sheet: One or more plies GAFGLAS® PLY 4, GAFGLAS®, GAFGLAS® FlexPly™ 6 sheet, #80 Ultima or RUBEROID® 20 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.



Deck Type 1:

Wood, Non-insulated

Deck Description:

$\frac{19}{32}$ " or greater plywood or wood plank decks

System Type E:

Base sheet mechanically fastened.

All General and System Limitations shall apply.

**Fire Barrier:
(optional)**

FireOut™ Fire Barrier Coating, VersaShield® Non-Asphaltic Fiberglass-Based Underlayment or Securock™.

Base sheet:

GAFGLAS® #80 ULTIMA™ Base Sheet, STRATAVENT® Eliminator™ Nailable, RUBEROID® Modified Base Sheet, RUBEROID® 20, RUBEROID® Heat-Weld™ Smooth or RUBEROID® Heat-Weld™ 25 base sheet mechanically fastened to deck as described below;

Fastening Options:

GAFGLAS® Ply 4, GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the lap staggered and in two rows 12" o.c. in the field.

(Maximum Design Pressure -45 psf, See General Limitation #7)

GAFGLAS® Ply 4, GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 12" o.c. in 3 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 12" o.c. in the field of the sheet.

(Maximum Design Pressure -45 psf, See General Limitation #7)

GAFGLAS® Flex Ply™ 6, GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with approved annular ring shank nails and tin caps at a fastener spacing of 9" o.c. at the 4" lap staggered and in two rows 9" o.c. in the field.

(Maximum Design Pressure -52.5 psf, See General Limitation #7)

GAFGLAS® #80ULTIMA™, RUBEROID® 20, RUBEROID® Mop Smooth, base sheet attached to deck with approved 1¼" annular ring shank nails and inverted 3" steel plate at a fastener spacing of 9" o.c. at the 4" lap and in two rows staggered with a fastener spacing of 9" o.c. in the center of the membrane.

(Maximum Design Pressure -60 psf, See General Limitation #7)

GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 12" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet.

(Maximum Design Pressure -60 psf, See General Limitation #7)

Any of above Base sheets attached to deck approved annular ring shank nails and 3" inverted Drill-Tec™ insulation plates at a fastener spacing of 9" o.c. at the 4" lap staggered in two rows 9" in the field.

(Maximum Design Pressure -60 psf, See General Limitation #7)

GAFGLAS® #75 Base Sheet or any of above Base sheets attached to deck with Drill-Tec™ #12 standard, #14 or # 15 Screws and 3" Drill-Tec™ steel plate or Drill-Tec™ AccuTrac Plates, 8" o.c. in 4 rows. One row is in the 2" side lap. The other rows are equally spaced approximately 9" o.c. in the field of the sheet. *(Maximum Design Pressure -75 psf, See General Limitation #7)*

Ply Sheet:

One or more plies of GAFGLAS® PLY 4, #80 ULTIMA, RUBEROID® MOP Smooth or RUBEROID® 20 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Cap Sheet:

(Optional) One ply of GAFGLAS® Mineral Surfaced Cap Sheet or GAFGLAS® EnergyCap™ Mineral Surfaced Cap Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

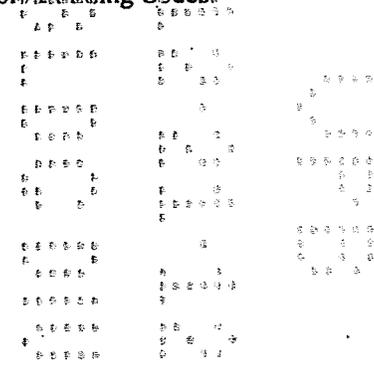
Surfacing:

(Optional, required if RUBEROID® MOP Smooth or RUBEROID® 20 is top membrane) Install one of the following:

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq. or applied in a flood coat of Leak Buster™ Matrix™ 103 Cold Process Adhesive applied at a rate of 3 gal./sq.
2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® Energy Cap Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Leak Buster™ Matrix™ 303 Premium Fibered Aluminum Roof Coating, at 1.5 gal./sq.
4. Leak Buster™ Matrix™ 715 , Leak Buster™ Matrix™ 322, TOPCOAT® MB+, TOPCOAT® Fireshield Elastomeric Roofing Membrane, applied at 1 to 1.5 gal./sq.
5. Leak Buster™ Matrix™ 602 MB Xtra Elastomeric Roofing Membrane, EnergyCote® roof coating applied at 1 to 1.5 gal./sq.
6. TOPCOAT® Surface Seal, TOPCOAT® Fireshield® SB Solvent based Elastomeric Roofing Membrane applied at 1 to 1.5 gal./sq
7. Advance Green Technologies Photovoltaic Laminate solar energy collector auxiliary roof equipment installed in compliance with manufacturer's specifications and applicable Building Codes.

Maximum Design Pressure:

See Fastening Above



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WOOD DECK SYSTEM LIMITATIONS:

1. A slip sheet is required with Ply 4 and Flex Ply™ 6 when used as a mechanically fastened base or anchor sheet.
2. Minimum ¼" Dens Deck™ or ½" Type X gypsum board is acceptable to be installed directly over the wood deck.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf, insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

END OF THIS ACCEPTANCE



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"GAFGLAS® #80 Premium Base Sheet" may be used in any of the following systems.

"GAFGLAS® Flex Ply 6" and "Tri-Ply® Ultra-Flexible Ply 6" are suitable alternates to "GAFGLAS® Ply 6".

"GAFTEMP Permalite Recover Board" may be used in lieu of any perlite insulation in any of the following NC Classifications.

Unless otherwise indicated, any of the "Asphalt Felt Systems with Hot Roofing Asphalt" may be surfaced with "Freshshield MB" at 2½ to 3-gal/100-ft².

"Ruberold® Dual Smooth" may be used as an alternate to "Ruberold® Mop Smooth" or "Ruberold® 20" or "Ruberold® 20 HT"

"Ruberold® Mop Smooth 1.5" may be used as an alternate to "Ruberold® Mop Smooth"

Class A, B and C

Hot roofing asphalt, for use with organic and glass felts or modified bitumen membranes.

"Ruberold® Heat Weld" SBS roofing membrane may be used in lieu of "Ruberold® Mop" SBS products in any applicable Classification.

Class A

1. Deck: C-15/32

Incline: 3

Insulation (Optional): — One or more layers perlite or wood fiber or glass fiber or polyisocyanurate or urethane or perlite/polyisocyanurate composite or perlite/urethane composite or wood fiber/polyisocyanurate composite or phenolic, any thickness.

Ply Sheet: — Three or more plies Type G1 or "GAFGLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFGLAS® Ply 6" hot mopped.

Surfacing: — Gravel.

2. Deck: C-15/32

Incline: 2

Insulation (Optional): — One or more layers perlite or wood fiber or glass fiber or polyisocyanurate or urethane or perlite/polyisocyanurate composite or perlite/urethane composite or wood fiber/polyisocyanurate composite or phenolic, any thickness.

Ply Sheet: — Three or more plies Type G1 or "GAFGLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFGLAS® Ply 6".

Cap Sheet: — One ply Type G3 "GAFGLAS® Mineral Surfaced Cap Sheet" or "Tri-Ply® Mineral Surfaced Cap Sheet" or "GAFGLAS® EnergyCap™" BUR Mineral Surfaced Cap Sheet."

3. Deck: NC

Incline: 2

Insulation (Optional): — One or more layers perlite, wood fiber, glass fiber, polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, wood fiber/polyisocyanurate composite, phenolic, 2-in. maximum.

Ply Sheet: — Two or more plies Type G1 "GAFGLAS® Ply 4", "Tri-Ply® Ply 4" or "GAFGLAS® Ply 6".

Cap Sheet: — One ply Type G3 "GAFGLAS® Mineral Surfaced Cap Sheet" or "Tri-Ply® Mineral Surfaced Cap Sheet" or "GAFGLAS® EnergyCap™" BUR Mineral Surfaced Cap Sheet."

4. Deck: C-15/32

Incline: 3

Slip Sheet (Optional): — Red rosin paper, nailed to deck.

Insulation (optional): — Any thickness perlite or wood fiber or glass fiber or polyisocyanurate mechanically fastened or adhered with OMG Inc. "OlyBond Fastening System" or any UL Classified insulation adhesive.

Base Sheet: — One ply Type G2 "GAFGLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet" (may be nailed).

Ply Sheet: — One or more plies Type G1 "GAFGLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFGLAS® Ply 6".

Cap Sheet: — One ply Type G3 "GAFGLAS® Mineral Surfaced Cap Sheet" or "Tri-Ply® Mineral Surfaced Cap Sheet" or "GAFGLAS® EnergyCap™" BUR Mineral Surfaced Cap Sheet."

Surfacing (optional): — "TOPCOAT® EnergyCote™" applied at a rate of 2-gal/100-ft².

5. Deck: NC

Incline: 3

Base Sheet: — One ply Type G2 "GAFGLAS® #75 Base Sheet" or "Tri-Ply® #75 Base Sheet"

Ply Sheet: — One or more plies Type G1 "GAFGLAS® Ply 4" or "Tri-Ply® Ply 4" or "GAFGLAS® Ply 6".

Cap Sheet: — One ply Type G3 "GAFGLAS® Mineral Surfaced Cap Sheet" or "Tri-Ply® Mineral Surfaced Cap Sheet" or "GAFGLAS® EnergyCap™" BUR Mineral Surfaced Cap Sheet."

6. Deck: C-15/32

Incline: 2

Insulation: — One or more layers perlite, glass fiber, polyisocyanurate, urethane, perlite/polyisocyanurate composite, perlite/urethane composite, phenolic, 1 in. minimum (offset a minimum of 6-in. from plywood deck joints).

Base Sheet: — One or more plies Type G1 or Type G2 or Type G3.

Membrane: — One or more plies "Ruberold® Torch Smooth" or "Ruberold® Torch Granule" or "Ruberold® Torch Granule Plus" or "Ruberold® Mop Smooth" or "Ruberold® Mop Smooth 1.5" or "Ruberold® Mop Smooth Plus" or "Ruberold® Mop Granule" or "Ruberold® Mop Plus Granule" or "ROOFMatch™ SBS Modified Granular" or "Tri-Ply® SBS Modified Bitumen Membrane" or "ROOFMatch™ APP Modified Granular" or "Tri-Ply® TP-4G" or "Tri-Ply® TP-4B" or "Ruberold® Dual Smooth".

Cap Sheet: — Type G3 "GAFGLAS® Mineral Surfaced Cap Sheet" or "Tri-Ply® Mineral Surfaced Cap Sheet" or "GAFGLAS® EnergyCap™" BUR Mineral Surfaced Cap Sheet" fully adhered with hot roofing asphalt.

7. Deck: C-15/32

Incline: 2

Insulation (Optional): — One or more layers perlite or wood fiber or glass fiber or polyisocyanurate or urethane or perlite/polyisocyanurate composite or perlite/urethane composite or wood fiber/polyisocyanurate composite or phenolic, any

