

CITY OF SACRAMENTO

Permit No: 9716202

1231 I Street, Sacramento, CA 95814

Insp Area: 4

Site Address: 121 MAIN AV SAC

CITY OF SACRAMENTO

PAID BY

Sub-Type: COM

Parcel No: 2260050030

DEC 10 1997

Permitting (Y/N): N

CONTRACTOR

LARSON ROOFING
160 LOU TH LINDEN
RIALTO CA 92377
Phone: 909-428-1022

OWNER

NABISCO BRANDS, INC
121 MAIN AV
SACRAMENTO CA 95838
Phone:

BUILDING ARCHITECT

95838
Phone:

Nature of Work: REROOF OVERLAY SARNAFIL 0.48 FLEECE BACK MEMBRANE
MECHANICALLY ATTACHED OVER THE EXSTG CAP SHEET (PER SERNAFIL
SPECS 550 SQ.

CONSTRUCTION LENDING AGENCY: I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class C39 License Number 566200 Date 12/14/97 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

I am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature _____

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

Date 12/14/97 Applicant/Agent Signature [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier Golden Eagle Insurance Co Policy Number NWC-301889501

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 12/14/97 Applicant Signature [Signature]

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.



Roofing and Waterproofing Systems

Sarnafil, Inc.

We have the "Proof" in Roofing and Waterproofing Systems

713-954-4864 Fax: 713-780-8294

Houston, Texas 77042

- Fax Coversheet -

ISSUED

DEC 12 1997

Date: 12/12/97

Time: 4:46PM

Pages: 7 (including cover sheet)

To: Craig Johnson
Merit Roofing Systems Inc.

Fax Phone: ~~954-554-6765~~ 916-264-7046

From: Rick Chappell

Subject: Nabisco - Sacramento, CA

Sacramento Building Division

Craig:

Here is a copy of the specification for the reroofing project at the referenced project.

We do not have a IBCO number. However, our UL approval number for Sarnafil Roofing Systems is R8992 (N) and our FM approval number for S327 felt back membranes is J.I. OX3A3.AM (FMRC Standard 4470).

I hope this numbers are what you need. If not please call the Los Angeles, Ca. office at 1-800268-0479 and ask for Faro Barnhurst, Regional Technical Manager.

As always, thank you for your help and support.

Rick Chappell

TO: SACRAMENTO BUILDING DIVISION
 FROM: RICK CHAPPELL
 SUBJECT: NABISCO - SACRAMENTO, CA
 DATE: 12/12/97
 TIME: 4:46 PM

SECTION 07533

SARNAFIL ROOFING SYSTEM (PVC)
IN A MECHANICAL FASTENED ROOF ASSEMBLY

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following:
1. Mechanically fastened sheet roofing.
 2. Walkway pads.
 3. Metal Flashings, Copings, Edge Trim and Accessories.
- B. Single-ply membrane roofing sheets is to be of the following:
1. Polyvinyl Chloride (PVC)

1.03 DEFINITIONS

- A. Roofing Terminology: Refer to ASTM D1079 for definition of terms related to roofing work not otherwise defined in this Section.

1.04 PERFORMANCE REQUIREMENTS

- A. General: Install sheet membrane roofing and base flashing that are watertight; will not permit the passage of liquid water; and will withstand wind loads, thermally induced movement, and exposure to weather without failure.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by roofing system manufacturer based on testing and field experience.
- C. FM Listing, General Performance, Wind Uplift: Provide sheet membrane, base flashings, and component materials shall meet requirements of FM 4450 and FM 4470 as part of a roofing system and that are listed in FM's "Approval Guide" for Class A applications.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer to perform work of this Section who has specialized in installing roofing similar to that required for this Project and who is approved, authorized or licensed by the roofing system manufacturer to install manufacturer's products with a minimum of two year experience.
- B. Manufacturer Qualifications: All products covered under this Section shall be produced by a single manufacturer unless otherwise specified. Manufacturer shall submit evidence of having not less than ten (10) years successful production of this product. Manufacturer shall submit a certified statement attesting the formulation of the roofing membrane has not changed for a period not less than ten (10) years.
- C. Fire-Tested-Response Characteristics: Provide roofing materials with the fire-tested-response characteristics indicated as determined by testing identical products per test method indicated by UL, FM, or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify materials with appropriate markings of applicable testing and inspecting agency.

1. Exterior Fire-Testing Exposure: Class A; ASTM E 108, for application and slopes indicated.
- D. Preliminary Roofing Conference: Before starting roof deck construction, conduct conference at Project site. Meet with the all participants involved the project, i.e. Project Architect, Owner's Representative. In addition, review status of submittals and coordination of work related to roof construction. Notify participants at least 5 working days before conference.
- E. Substitutions: Submit requests for substitutions in strict accordance with Section 01630 - Substitutions and Product Options.
- F. Contract Closeout Submittals:
 1. Project Record Documents: Submit in exact accordance with Section 01720 - Project Documents.
 2. Operation and Maintenance Data: Submit in exact accordance with Section 01730 - Operating and Maintenance Data.
 3. Warranties: Submit in exact accordance with Section 01740 - Warranties and Bonds.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store and handle roofing products to Project site in strict accordance with the manufacturer's latest published requirements and specifications.
- B. Packing and Shipping: Deliver materials in manufacturer's original, unopened containers or wrappings with labels intact and legible. Where materials are covered by a referenced specification number, labels shall bear the specification number, type, class, compliance with UL requirements, date of manufacturer, and shelf life expiration date where applicable. The material shall be within its listed shelf life when applied. Deliver materials in sufficient quantity to allow work to proceed without interruption.
- C. Storage and Protection:
 1. Store and protect materials from damage and weather in accordance with manufacturer's instructions, except as specified otherwise. Keep materials clean and dry. Use pallets to support and canvas tarpaulins to completely cover stored material. Do not use polyethylene sheet as a covering. Locate materials temporarily stored on the roofing in approved areas. Distribute the load to stay within live load limits of the roof construction. Remove unused materials from the roof at the end of each days work.
 2. When hazardous materials are involved, adhere to special precautions of the manufacturer and applicable Material Safety Data Sheets. Adhesives may contain petroleum distillates and may be extremely flammable; do not use near sparks or open flame. Distillate vapors are also potentially hazardous when inhaled; caution personnel about breathing vapors. Do not use materials contaminated by exposure to moisture. Remove contaminated materials from the site.

1.07 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with roofing work only when existing and forecasted weather conditions permit roofing to be installed according to manufacturer's written instructions and warranty requirements.

1.08 WARRANTY

- A. General Warranty: The warranties specified in this Article shall not deprive the Owner of other rights of the Owner may have under other provisions of the Contractor Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
- B. Roofing Manufacturer's Warranty: Submit a written warranty with all available options, flashing endorsement and including roof insulation and roofing manufacturer's accessories, signed by roofing system manufacturer's agreeing to promptly repair leaks resulting from defects in materials or workmanship for the following warranty period and type:
 1. Warranty Period: 15 years Labor and Material Warranty after date Substantial Completion.

- C. Contractor's warranty: The roofing contractor shall supply the owner with a minimum two-year workmanship warranty. In the event any work related to roofing, flashing, or metal work is found to be defective or otherwise not in accordance with the contract documents within two years of substantial completion, the roofing contractor shall remove and replace at no cost to the owner. The contractor's warranty obligation shall run directly to the owner, and a copy shall be sent to the PVC manufacturer.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. PVC Sheet:
 - a. Sarnafil, Inc., Canton, MA

2.02 PVC SHEET

- A. PVC Sheet: Uniform, flexible sheet formed from polyvinyl chloride, complying with ASTM D 4434-87, of the following type, grade, thickness, felt backing and exposed face color:

1. Classification Type III, Grade I, polyester-reinforced PVC.
2. Thickness: 48 mils minimum.
3. Felt Backing: 9 ounce per yard polyester felt backing fused with heat to the membrane.
4. UL Class A.
5. Exposed Face Color: White

- B. Physical Properties:

Property	Value	Test Method
Min. thickness, inch	0.048	ASTM D 751
Elongation at break, MD	20	ASTM D 751
Seam Strength, min. percent of tensile or breaking strength	85%	ASTM D 751
Retention of properties after heat aging: Tensile strength, min. (% of original)	95%	ASTM D 3045 at 194 degrees F for 168 hrs.
Elongation (% of original)	90%	ASTM D 751
Tear Strength (lbf)	50	ASTM D 751
Low Temperature Bond	Pass	ASTM D 2136 At -40 degrees F
Accelerated Weathering Test (Xenon) - 10, 000 hours	Pass	ASTM D 2565
Cracking (7x magnification)	None	
Discoloration (by observation)	Negligible	
Crazing (7x magnification)	None	
Linear Dimensional Change, max. percent	0.1%	ASTM D 1204 6 hrs. at 176 degrees F
Change in weight after immersion in water, max., percent	2.5%	ASTM D 570



Roofing and Waterproofing Systems

via fax to : 916-264-7046

Monday, December 15, 1997

Mr. Ronald O'Connor
City of Sacramento
Sacramento, CA

Re: **Nabisco Warehouse, Sacramento, CA**

Dear Mr. O'Connor:

Sarnafil Technical Department has reviewed the specifications and has approved the installation of Sarnafil S327 48 mil polyester felt back single ply membrane over the existing mineral surfaced cap sheet roof system at the Nabisco warehouse, located at 121 Main Avenue, Sacramento, Ca. The Sarnafil S327 single ply membrane will be mechanically attached to the plywood decking, using metal screws and seam plates.

Should you have any question concerning this letter or our ability to go over an existing mineral surfaced cap sheet roof system, please call me.

Sincerely,
SARNAFIL, INC.

Rick Chappell
Southwest Region Manager

Sarnafil Inc. (Southwest Region)

2500 Wilcrest, Suite 315, Houston, TX 77042 (713) 954-4864 FAX (713) 780-8294



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