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EXHIBIT

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MINUTES OF ANNUAL MEETING
OF THE
NATIONAL INSULATION
MANUFACTURERS ASSOCIATION
Absecon, N. J. October 7, 1963

| BB 0022704 |

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MINUTES
of the
ANNUAL MEETING
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
Seaview Country Club, Absecon, N. J. October 7, 1963

The meeting was called to order at 9:30 A. M. by President F. W. Muller
with the following in Attendance:

Baldwin-Ehret-Hill, Inc.
Trenton, N. J.

M. M. Wilson
K. M. Ritchie

M. H. Detrick Company
Chicago, Ill.

T. S. Clousing
C. J. Hendrickson

Forty-Eight Insulations, Inc.
Aurora, Ill.

Ike Keith

Gustin-Bacon Mfg. Company
Kansas City, Mo.

F. W. Muller

Johns-Manville Sales Corp.
New York, N. Y.

R. A. Stapleton

Keasbey & Mattison
Ambler, Pa.

R. M. Stroud

Mundt Cork Corp.
North Bergen, N. J.

L. T. Choate

Owens-Corning Fiberglas Corp.
Toledo, Ohio

J. F. Vyverberg
J. H. Boynton

Pittsburgh Plate Glass Co.
Pittsburgh, Pa.

P. D. Kaley
R. A. McLaughlin
W. T. Irwin

The Ruberoid Company
New York, N. Y.

W. G. Neal
R. W. Henry

Cadwalader, Wickersham & Taft
Legal Counsel

G. D. Reycraft

National Insulation Mfrs. Assn.

J. M. Barnhart

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APPROVAL OF MINUTES

A motion was made, seconded and passed

That the Minutes of the Meeting of April 2, 1963,
as bulletined by the Association be approved.

TECHNICAL & RESEARCH COMMITTEE

Mr. J. M. Barnhart reported on the activities of the Committee.

Since the April 2, 1963, NIMA Spring Meeting, the activities of the Technical
& Research Committee have included the following:

April 11	Duct Systems Committee Meeting, Washington, D. C.
April 30	T & R Committee, Rock & Slag Section, New York, N. Y.
May 9	New York State Department of Public Works, Albany, N. Y.
May 21	Government T & R Committee Meeting, Washington, D. C.
May 28	Low Temperature Study Committee Meeting, New York, N. Y.
June 17	Willard State Hospital Willard, N. Y.
June 23, 24, 25	ASHRAE Meeting, Madison, Wis.
July 9	Duct Systems Committee Meeting, New York, N. Y.
July 10	Glass Section Meeting New York, N. Y.
July 15	NYSDPW, Albany, N. Y.
July 23	NYSICA, Syracuse, N. Y.
August 21	Glass Section, New York, N. Y.
September 4	General Services Administration Washington, D. C.

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TECHNICAL & RESEARCH COMMITTEE (cont'd)

September 11	NYSDPW, Albany, N. Y.
September 19	Glass Section, T & R Committee Lake Placid, N. Y.
September 19	Rock & Slag Section, T & R Committee, Lake Placid, N. Y.
September 19	Molded Section, T & R Committee, Lake Placid, N. Y.
September 20	T & R Committee Lake Placid, N. Y.
September 22, 23, 24, 25	ASTM C-16 Meeting Lake Placid, N. Y.

DUCT SYSTEMS COMMITTEE MEETING, WASHINGTON, D. C.
April 11, 1963

Members of the Committee met with F.H.A. officials for the purpose of obtaining information relative to F. H. A.'s test program being carried on at Southwest Research Institute.

ROCK & SLAG SECTION COMMITTEE MEETING
New York, N. Y. April 30, 1963

The Committee met for the purpose of discussing several changes to Military Specification MIL-C-002861B (SHIPS) that were deemed detrimental to the industry.

ECONOMIC THICKNESS COMMITTEE (LOW TEMPERATURE STUDY)
New York, N. Y. May 28, 1963 BB 0022707

The Committee met and discussed the low temperature study that has been completed by West Virginia University. It was concluded that the Manual was not useful in its present form. The T & R Committee is to review the Manual and recommend disposition at their next scheduled meeting.

NEW YORK STATE DEPARTMENT OF PUBLIC WORKS
Albany, N. Y., May 9, 1963

This State Agency was visited to determine the status of the proposed revisions to the State Specifications pertaining to thermal insulation and to ascertain the status of fibrous glass for low temperature work.

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TECHNICAL & RESEARCH COMMITTEE (cont'd.)

GOVERNMENT TECHNICAL & RESEARCH COMMITTEE MEETING
Washington, D. C., May 21, 1963

The Committee and various government agencies met and the following subjects were discussed:

1. Basic Specification for Cargo Ship Construction (Marine Agencies)
-
2. Proposed Revisions to HH-I-523 (Calcium Silicate)
(Land Agencies)
-
3. Proposed Revisions to HH-I-00500 (Cements) (Land Agencies)
4. Performance Characteristics of Thermal Insulating
Materials (Land Agencies)

ASHRAE MEETING, MADISON, WISCONSIN
June 23, 24, 25, 1963

Technical Committee T.C. - 2.4 met and discussed changes to chapters 22 & 23 in the ASHRAE GUIDE. Messrs. Ernst, Ritchie and Barnhart were responsible for changes to Table 21 pertaining to industrial thermal insulation. The proposed changes were reviewed by the NEMA T & R Committee prior to submittal to ASHRAE.

DUCT SYSTEMS COMMITTEE MEETING
New York, N. Y., July 9, 1963

The Committee met for the purpose of establishing a fire test method for evaluating duct systems.

GLASS SECTION MEETING
New York, N. Y., July 10, 1963

BB 0022708

The Special Committee met for the purpose of discussing fibrous glass in New York State Specifications.

NEW YORK STATE DEPARTMENT OF PUBLIC WORKS
Albany, N. Y., July 15, 1963

The New York State Architect was visited for the purpose of protesting the exclusion of fibrous glass products for use in temperature ranges below ambient from the standard specifications.

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TECHNICAL & RESEARCH COMMITTEE (T & R)

NEW YORK STATE INSULATING CONTRACTORS ASSOCIATION
Syracuse, N. Y., July 23, 1963

The President of the NYSICA was visited to ascertain the position of the Association with respect to the State's exclusion of fibrous glass products for use in temperature ranges below ambient from the Standard Specifications.

GLASS SECTION MEETING - New York, N. Y. August 21, 1963

The Section met with the NYSICA for the purpose of seeking their support in opposing the exclusion of fibrous glass products from the State's Standard Specifications for use in temperature ranges below ambient.

GENERAL SERVICES ADMINISTRATION
Washington, D. C., September 4, 1963

The GSA offices were visited for the purpose of reviewing the initial draft of two specifications (Insulation, Thermal, Mineral Fiber for Low Temperatures and Insulation, Thermal, Mineral Fiber for Elevated Temperatures) prior to their promulgation as an interim specification. These specifications were initially drafted by the Rock & Slag Section and Glass Section of the T & R Committee.

NYSDPW, Albany, N. Y., September 11, 1963

The Glass Section and the officers of the NYSICA met with the State Architect, NYSDPW, to protest the exclusion of fibrous glass products from the State's Standard Specifications for use in temperature ranges below ambient. As a result of this meeting, glass was reinstated in the State's Standard Specifications.

GLASS SECTION COMMITTEE MEETING
Lake Placid, N. Y., September 19, 1963

The following items were discussed by the Committee.

1. Proposed Federal Specification, Insulation Felt Thermal & Acoustical Mineral Fiber (Duct Lining Materials).
2. Fiber Diameter in Military Specifications.
3. Product Identification
4. Standard Facings
5. Standard Methods of Tests

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TECHNICAL & RESEARCH COMMITTEE (cont'd.)ROCK & SLAG SECTION COMMITTEE MEETINGLake Placid, N. Y., September 19, 1963

The Committee discussed the following items:

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1. Standard Method of Tests
2. ML-C-2861 - Cement, Insulation, High Temperature
3. HH-I-00500a - Insulating Cements, Thermal
4. Proposed Federal Specification - Insulation Felt, Thermal and Acoustical, Mineral Fiber (Duct Lining Materials)

MOLDED SECTION COMMITTEE MEETINGLake Placid, N. Y., September 19, 1963

The Committee discussed the following items:

1. Standard Method of Tests
2. Proposed Revisions to Federal Specification HH-I-523, Insulation, Block and Pipe, Thermal, Calcium Silicate (For Temperatures up to 1200F)
3. "k" Values, Density Values in MIL-I-2781 and MIL-I-2819
4. HH-I-00500a - Insulating Cements, Thermal

T & R COMMITTEE MEETINGLake Placid, N. Y., September 20, 1963

Included on the Agenda were the following items:

1. Economic Thickness Study (Cold)
2. Use of "D" Factors (Economic Thickness Study (Hot))
3. Quality Assurance Provisions in Military Specifications
4. BRAB Report #15 - Thickness Charts and Material Characteristics for Pipe Insulation
5. Standard Methods of Tests
6. Test for Consistency - ASTM C 405
7. Definition of Mineral Fiber

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TECHNICAL & RESEARCH COMMITTEE (cont'd)

ASTM C-16 COMMITTEE MEETING

Lake Placid, N. Y., September 22, 23, 24, 25, 1963

At this meeting, the following specifications prepared by NIMA were presented:

1. Proposed Specifications for Mineral Fiber Preformed Pipe Insulation.
2. Specification for Mineral Fiber Block or Board Thermal Insulation for Elevated Temperatures.
3. Proposed Specification for Calcium Silicate Block and Pipe Thermal Insulation
4. Proposed Specifications for Mineral Fiber Thermal Insulating Cement and Mineral Fiber Hydraulic Setting Thermal Insulating and Finishing Cement.
5. Proposed Specifications for Mineral Fiber Blanket and Felt Insulation (Industrial Type).
6. Proposed Specifications for Mineral-Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type).

The Minutes of the various Committee Meetings have been circulated and will form part of this report.

BB 0022711

The Board of Directors asks the T & R Committee to again take up the question of standard facings and jackets, including performance standards for these items.

Further, the Glass Section is requested to study the technical practicability of the elimination of 1/2 pcf blanket material and 1/2" and/or 3/4" thick pipe insulation

Mr. Barnhart reported that the T & R Committee recommends to the Board of Directors that the Economic Thickness Cold Study be modified to include condensation data and be made available in some form to engineers, architects, educational institutions, etc.

After due consideration, it was decided that the Manual should not be published.

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ROCK & SLAG SECTION REPORT

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Mr. K. M. Ritchie reported as follows:

Activities specifically concerning Rock and Slag wool products are those on insulating cements, blanket and felt insulations, blocks and boards, and the various ASTM, Federal, Military and Departmental specifications applicable.

On cements, the General Services Administration has had prepared and circulated a draft of a revision of HH-I-500a "Insulating Cements, Thermal". This draft covers not only the familiar mineral wool cements, but also 85% Magnesia, Asbestos, Vermiculite, and Diatomaceous Earth types. The physical requirements are listed only by reference to the corresponding ASTM specifications.

A protest was lodged against this form of a specification, which can be altered by any change in one of the six ASTM Specifications without notice to the Federal agencies, but this has been rejected though no final action is yet apparent.

Two revisions of MIL-C-2861 were issued within the past year, the latest being an interim revision only. Neither appears satisfactory to the Technical Committee and changes have been recommended. The most recent one makes no reference to mineral fiber, either by title, or by composition, and has omitted the prior qualification or brand approval requirement. Since this opens bidding to brokers and others who are not manufacturers or representatives, it was considered important that the qualification be reinstated and such recommendation has been made through the Executive Secretary. The Government agency responsible was not represented at the recent ASTM meeting, but this matter will be discussed at the next Government meeting in Washington.

Two comprehensive Federal Specifications for mineral fiber insulations, one for low temperature, and one for high temperature, were prepared last year and submitted to GSA to replace a number of existing Federal Specifications. It has just been learned that these have been assigned interim numbers and will be issued shortly. Mr. Barnhart was advised that some changes were made in format; examination and criticism will be made when the GSA versions are available.

BB 0022712

We wish to report that much of the specification work on blanket and felt insulation has been carried on in conjunction with the Glass Section and several standards have been prepared jointly, where it seemed appropriate. This has been helpful in clarifying and emphasizing likenesses and dissimilarities of glass products on the one hand, and rock and slag products on the other.

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GLASS SECTION REPORT

In Chairman W. Gubar's absence, Mr. J. M. Barnhart reported on the activities of the Committee in accordance with the Minutes of their Meeting which is attached hereto and made part of these Minutes.

MOLDED SECTION REPORT

In Chairman V. L. Miller's absence, Mr. J. M. Barnhart reported on the activities of the Committee in accordance with the Minutes of their Meeting which is attached hereto and made part of these Minutes.

TRAFFIC COMMITTEE REPORT

In Chairman J. M. Carey's absence Mr. J. M. Barnhart read the report of the Traffic Committee which is attached hereto and made part of these Minutes.

MARKETING & RESEARCH COMMITTEE REPORT

In Chairman T. S. Bassett's absence, Mr. J. M. Barnhart read the report of the Committee which is attached hereto and made part of these Minutes.

NOMINATING COMMITTEE REPORT

Mr. L. T. Choate reported that the Nominating Committee proposed that the following State of Officers and Directors be placed in nomination for the year 1963-1964:

OFFICERS

President
Vice-President

M. W. Burleson
P. D. Kaley

BOARD OF DIRECTORS

M. W. Burleson, Chairman
R. E. Buckley
L. T. Choate
T. S. Clousing
P. D. Kaley
Ike Keith
N. L. Morell
F. W. Muller
W. G. Neel
D. M. Nelson
J. P. Harrington
R. M. Stroud
J. Vyverberg
M. M. Wilson

Johns-Manville Sales Corp.
Pittsburgh Corning Corp.
Mundet Cork Corp.
M. H. Detrick Company
Pittsburgh Plate Glass Co.
Forty-Eight Insulations, Inc.
N. L. Morell
Gustin-Bacon Mfg. Company
The Ruberoid Company
Fibreboard Paper Products Co.
The Eagle-Picher Company
Keasbey & Mattison C.
Owens-Corning Fiberglas Corp.
Baldwin-Ehrst-Hill, Inc.

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NOMINATING COMMITTEE REPORT (cont'd)

A motion was made, seconded and passed

That the Slate of Officers and Board of Directors
as proposed by the Nominating Committee be elected.

OTHER BUSINESS

It was agreed that the Committee Chairman should make their Committee
present in person at the NIMA Spring Meetings.

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There being no further business

The meeting was adjourned.

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Respectfully submitted

J. M. Barnhart
J. M. Barnhart

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