

UNITED STATES GYPSUM COMPANY

Manufacturers of Built-up Roofing, Roof Insulation and Gypsum and Steel Roof Decks

GENERAL OFFICES
300 West Adams Street, CHICAGO, ILL.

SALES OFFICES IN ALL PRINCIPAL CITIES

A Complete Roof Service

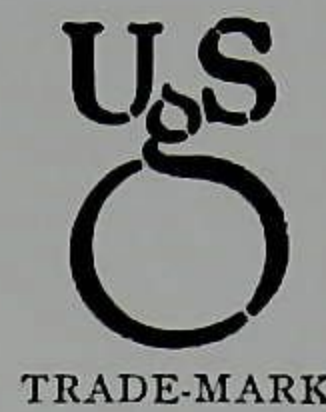
The UNITED STATES GYPSUM COMPANY operates its own mills for the manufacture of the various products that go into a complete USG Built-up Roof—Roofing, Weatherwood Roof Insulation, and various types of Gypsum and Steel Roof Decks. This unique position enables us to offer the "Multiple Protection" of a complete roof service. Only UNITED STATES GYPSUM COMPANY can offer you this complete roof service.

Made to Rigid Specifications

All USG Built-up Roof Products are made to the same rigid specifications that are characteristic of other USG Building Materials. The manufacture of USG Built-up Roofing, therefore, is backed by many years of experience in the Building Materials field. As manufacturers of the various parts of a USG Built-up Roof we are thoroughly familiar with the requirements of these various parts and are able to regulate their production accordingly.

All Types of Roofing

USG Built-up Roofing Specifications include all standard types of asphalt, coal tar pitch, gravel or slag, smooth and mineral



surfaced materials that are adaptable to use over all kinds of roof decks.

USG Mineral Surface Fabric Counter-Flashing

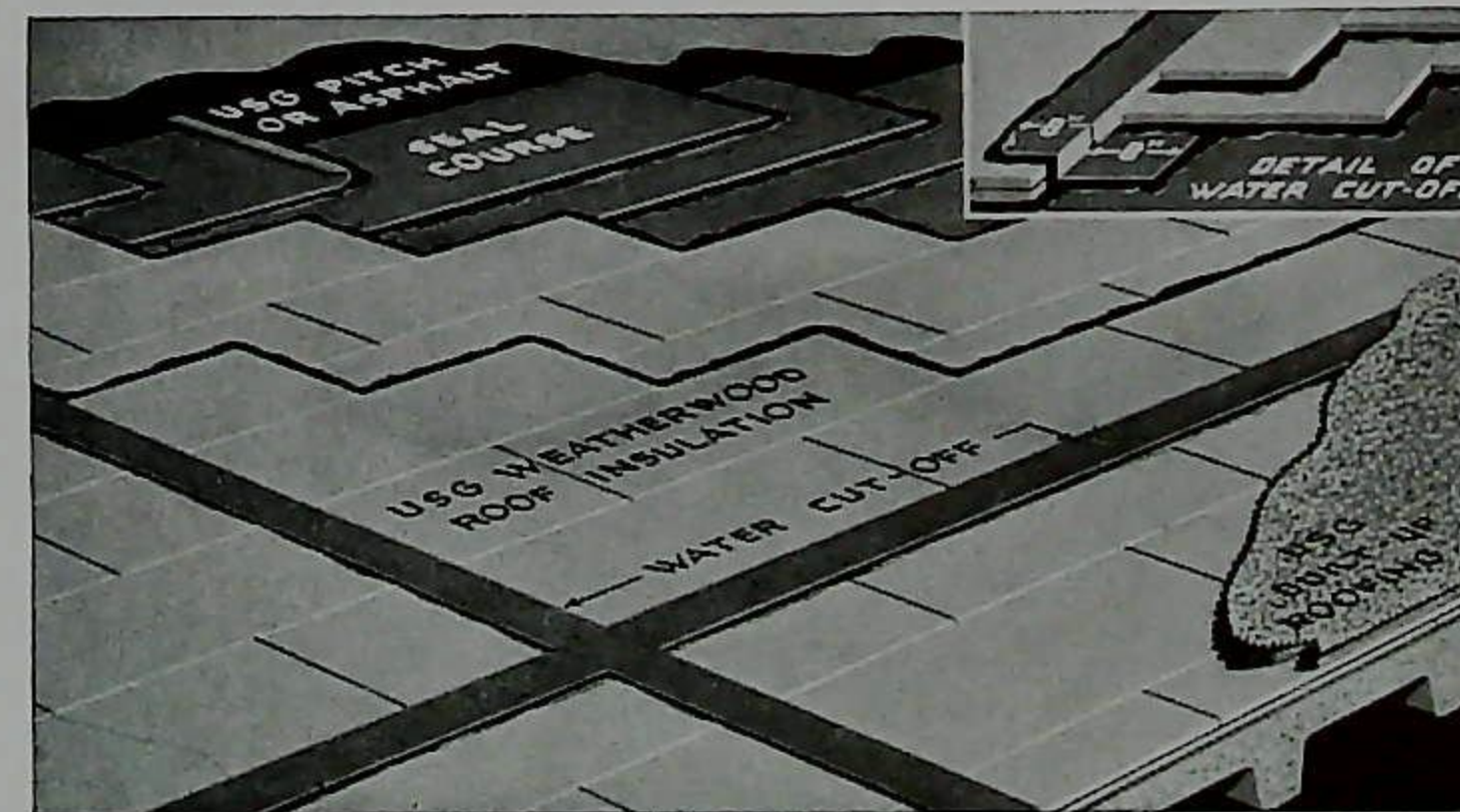
A roof is as good as its flashing. The quality of a Built-up Roof is determined not only by the protection provided by the roofing itself but by the character of the flashing that is a component part of it. Inferior flashings are the most frequent cause of complaints in connection with Built-up Roofs. USG Mineral Surfaced Woven Fabric Counter-flashing is designed to overcome the weakness of ordinary roof flashing. It is made to perform the same service as the main body of the roof.

Guaranty Bonds

Guaranty Bonds are available on all types of USG Built-up Roofing. Inspection service is a part of the bond requirement, and the application work is done by local UNITED STATES GYPSUM COMPANY Approved Built-up Roofing Contractors.

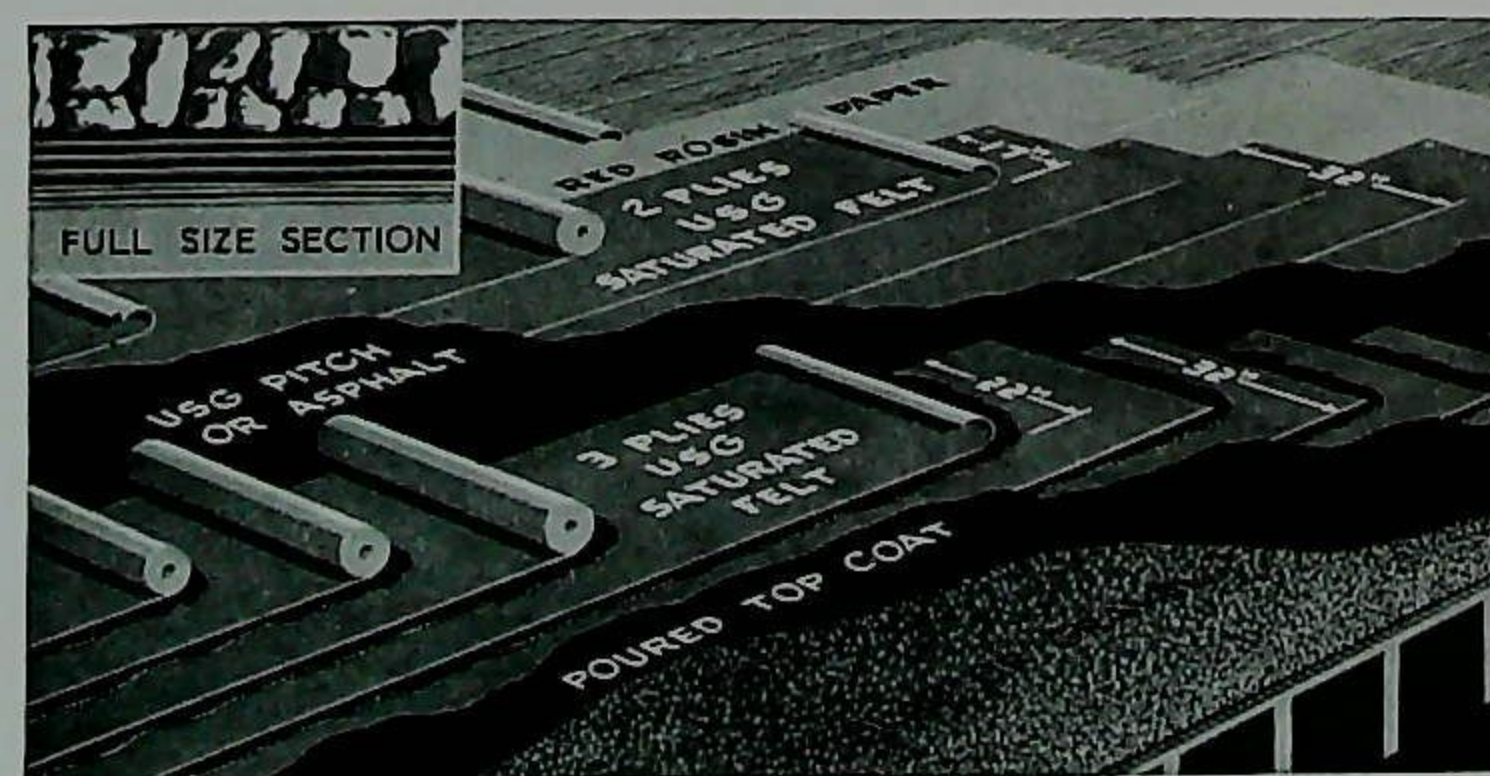
Refer Problems to Us

The UNITED STATES GYPSUM COMPANY will be glad to receive inquiries in connection with any Built-up Roofing problems you might have. USG Built-up Roofing Specification Manual available on request.



USG Weatherwood Roof Insulation

Detail illustrating installation of water cut-offs in conjunction with USG Weatherwood Roof Insulation laid over a concrete roof deck over which is applied a USG Built-up Roof



USG 20-Year Bonded Built-up Roof

Gravel or Slag Surfaced Roofing over wood or precast gypsum tile decks—5-ply, 20-year and 4-ply, 10-year. Over poured gypsum or concrete—4 ply, 20-year and 3-ply, 10-year



USG 20-Year Bonded Built-up Roof

Sanded surface asphalt roofing over poured gypsum or concrete decks—5-ply, 20-year and 4-ply, 10-year. Asphalt smooth surfaced roofings over all types of decks are also available

THE BARRETT COMPANY

Manufacturers of Roofing, Waterproofing and Other Protective Materials
 NEW YORK, N. Y. CHICAGO, ILL. BIRMINGHAM, ALA.

THE BARRETT COMPANY, LIMITED, MONTREAL, QUE.

Barrett Products

BUILT-UP ROOFING MATERIALS

(For flat or steep roof surfaces):

- Barrett Specification Felt and Barrett Specification Roofing Pitch
- Barrett Steep Roof Pitch
- Black Diamond Felt and Black Diamond Roofing Pitch
- Tarred and Asphalt Saturated Felts
- S. I. S. Roofing
- Barrett Anchor Asphalt Cement
- Crystal Asphalt Cement

FLASHINGS (for brick and concrete masonry walls)

- Barrett Flashing Blocks and Flashing Forms
- Plastic Elastigum Flashings

ROOF DRAINS and VENT CONNECTIONS

- Barrett-Holt Roof Drains and Vent Connections for all types of roof deck construction

WATERPROOFING MATERIALS (for foundations, footings, reservoirs, swimming pools, subways, tunnels, floors, stadia, solid deck railroad and highway bridges, etc.)

- Barrett Specification Felt and Barrett Specification Waterproofing Pitch
- Black Diamond Felt and Black Diamond Pitch
- Waterproofing Fabric

INSULATING and BUILDING PAPERS (for sheathing, lining, flooring, etc.)

DAMPPROOFING and PROTECTIVE PAINTS and CEMENTS

WOOD PRESERVATIVES

SHINGLES and PREPARED ROOFINGS

- Asphalt Shingles
- Roll Roofings
- Roof Maintenance and Repair Materials

THE BARRETT COMPANY AND BARRETT ROOFING PRODUCTS

Between the World and the Weather Since 1854

America's Best Known Roof — the Barrett Specification

The buildings of America's greatest industries and private enterprises are protected by Barrett Specification Roofs. Examples of world-famous buildings with Barrett Specification Roofs are the Empire State, the Chrysler Building, the Waldorf-Astoria Hotel, Radio City, the Woolworth, all of New York City; the Southwestern Bell Telephone Co. Administration Building at Kansas City; Aetna Life Insurance Building, Hartford, Conn.; and the Field Building, at Chicago. Repeat business from nationally known organizations, such as telephone companies with more than 400 Barrett Specification Roofs; The American Tobacco Co. with 55; General Baking Co. with 62; International Shoe Co. with 57; Celanese Corp. of America with 33; and a host of others, testifies impressively to the value of the Barrett Specification Roof.

The reason for this marked preference for Barrett Specification construction is that engineers know that these roofs will far outlast an ordinary roof—that they are actually built to do so—that they are bonded by the U. S. Fidelity and Guaranty Company against repair or maintenance expense for 20 years. (The Specification Type "A" Roof is bonded for 15 years.)

Twenty years is a long period of guaranteed service—about all that any owner would be inclined to ask. In the company's files, however, are thoroughly authenti-

The *Barrett* Company
TRADE-MARK



Barrett Specification Roofing

Built of alternate layers of Barrett Specification Pitch and Felt (the top coat of pitch is poured) with an indestructible wearing surface of gravel or slag



The Barrett Inspector Making the Famous "Cut Test"

cated records of Barrett Roofs which have lasted 30, 40 and 50 years without requiring one cent's worth of repairs. Many of these roofs are still in good condition, giving weatherproof service.

This longevity is not surprising when one considers that coal-tar pitch is actually preserved by water. The life-prolonging oils in pitch are protected by the same dampness and moisture that weaken ordinary roofs. Pitch is self-healing; is virtually immune to climatic variations; possesses rot-defeating creosote properties that outlaw fermentation or the development of fungi. Both Barrett Specification Pitch and Barrett Specification Tarred Felt are manufactured to be—and are conceded to be—the best it is possible to make. Barrett Specification application methods are accepted as standard throughout the building industry.

Gravel, slag or tile provide a fire-safe, practically indestructible wearing surface which permits the use of a greater amount of waterproofing material than it is possible to use on any other types of roofs.

Barrett Specification Roofs are applied by good roofers everywhere. These concerns—Barrett Approved Roofers—are selected on the basis of experience, ability and integrity, and are invariably leaders in their communities. They use the finest grades of materials. Their work is supervised by trained Barrett technical men during every step of the application. In every respect these roofs are built to perform far beyond the period of the bond.

CONDENSED BARRETT ROOFING SPECIFICATIONS

For complete detailed specifications for all types of Built-up Roofings, Flashings, Roof Drainage, Waterproofing and Damp-proofing send for Barrett's Architect's and Engineer's Reference Manual. (See Sample Plate)

Condensed Barrett Specification Type "AA" Roof—for Use Over Poured Concrete or Poured Gypsum

Incline—For inclines not exceeding two (2) inches to the foot.
Roofing—Shall be a Barrett Specification Roof, Type "AA" laid in accordance with the Barrett Specification (for use over concrete), by a roofing contractor approved by THE BARRETT COMPANY. The roof shall carry THE BARRETT COMPANY'S Surety Bond Guaranty for twenty (20) years, in accordance with Note No. 1 of said specification.

Condensed Barrett Specification Type "A" Roof—for Use Over Poured Concrete or Poured Gypsum

Incline—For inclines not exceeding two (2) inches to the foot.
Roofing—Shall be a Barrett Specification Roof, Type "A" laid in accordance with the Barrett Specification (for use over concrete), by a roofing contractor approved by THE BARRETT COMPANY. The roof shall carry THE BARRETT COMPANY'S Surety Bond Guaranty for fifteen (15) years, in accordance with Note No. 1 of said specification.

Condensed Barrett Specification Type "AA" Roof—for Use Over Boards

Incline—For inclines not exceeding two (2) inches to the foot.

Roofing—Shall be a Barrett Specification Roof, Type "AA," laid in accordance with the Barrett Specification (for use over boards), by a roofing contractor approved by THE BARRETT COMPANY. The roof shall carry THE BARRETT COMPANY'S Surety Bond Guaranty for twenty (20) years, in accordance with Note No. 1 of said specification.

Condensed Barrett Specification Type "A" Roof—for Use Over Boards

Incline—For inclines not exceeding two (2) inches to the foot.
Roofing—Shall be a Barrett Specification Roof, Type "A," laid in accordance with the Barrett Specification (for use over boards), by a roofing contractor approved by THE BARRETT COMPANY. The roof shall carry THE BARRETT COMPANY'S Surety Bond Guaranty for fifteen (15) years, in accordance with Note No. 1 of said specification.

Roofing for Steep Surfaces

Barrett Built-up Steep Roofing Specifications—For saw-tooth, monitor, umbrella, butterfly, hopper, plain hip, and other types of steep roof. Bonded for 10, 15 or 20 years (according to type) when applied according to Note No. 1 in Section 2 of Barrett's Architect's and Engineer's Reference Manual.

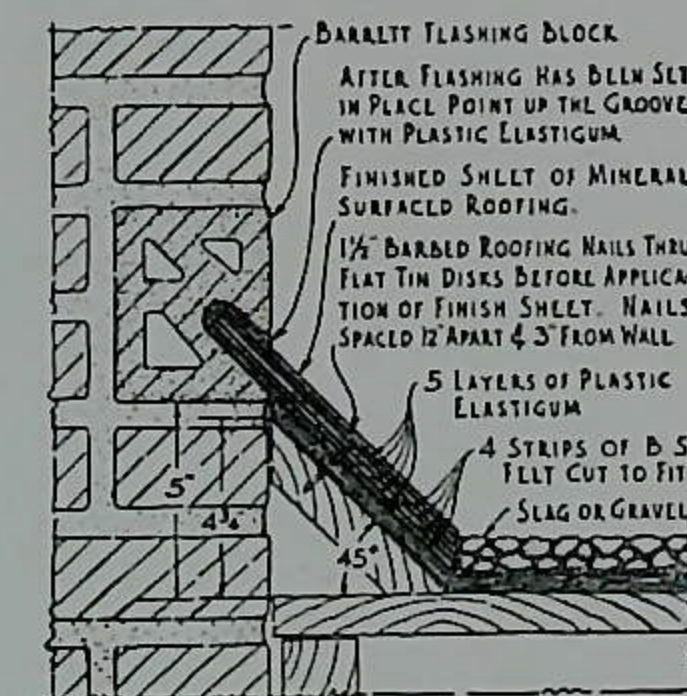
BARRETT BONDED ROOF FLASHINGS AND BARRETT-HOLT ROOF DRAINS

Bonded Barrett Roof Flashings

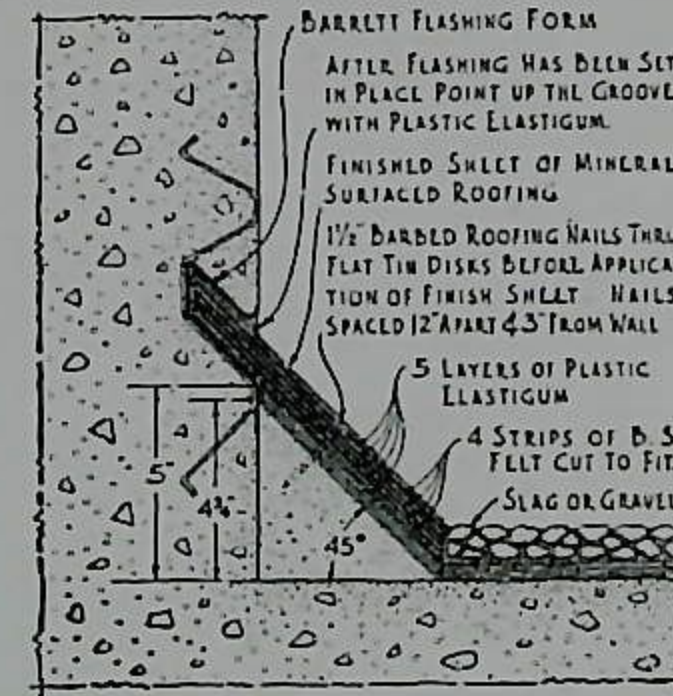
Flashings are the most sensitive parts of any roof. Realizing this, Barrett has developed various flashing systems that are absolutely dependable.

For complete details and specifications, see Barrett's Architect's and Engineer's Reference Manual.

Barrett Type "AA" flashing (illustrated) provides: (1) a durable, watertight connection between roof and parapet; (2) a flashing that allows for expansion and contraction; (3) ease of installation; and (4) moderate cost and freedom from upkeep.



Cross Section of Barrett Flashing Block and Flashings
Diagram showing installation of flashing block in a brick wall, and Type "AA" flashing



Cross Section of Barrett Flashing Form and Flashings
Metal form installed in concrete wall and Type "AA" flashing

Barrett Flashings constructed in combination with Barrett Flashing Blocks or Forms and used in conjunction with Barrett Specification Roofs are bonded for the same period as the roof itself. Barrett Flashings constructed according to Barrett Specifications, but

without flashing forms or blocks, are guaranteed for 10 years when used in conjunction with Barrett Specification Roofs.

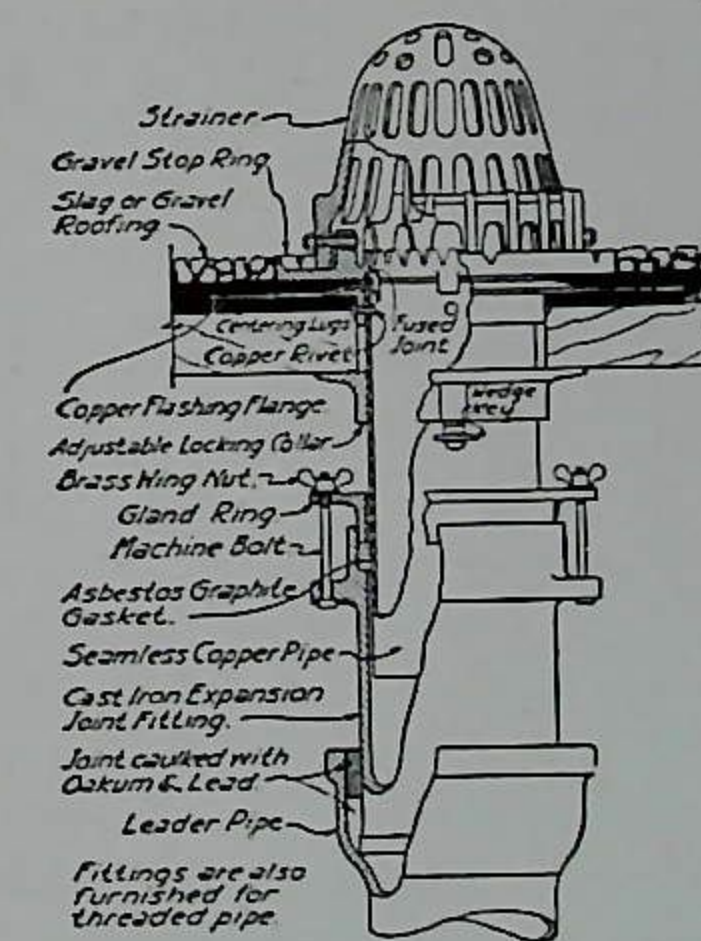
Section III of our Architect's and Engineer's Reference Manual gives detailed description of Barrett Roof Flashing systems.

Barrett-Holt Roof Drains

Barrett-Holt Roof Drains, with their airtight, watertight expansion joint, overcome all the defects of both rigid and loose-joint leader connections. They do not tear away the roofing around the intake; they prevent interior floods if the leader pipe stops up, and allow for expansion and contraction in the line.

These connections are made for roofs of every type. They come complete—flashing flanges, expansion joint, gravel stop and attachment—everything all ready to install. There are no extras or waste time in soldering parts on the job.

Full details of all types of Barrett-Holt Roof Drains are contained in Barrett's Architect's and Engineer's Reference Manual. Write THE BARRETT COMPANY for a free copy.



Cross View Section of Type 1-LG Barrett-Holt Roof Drain

Drain used as a leader outlet on all flat roofs having interior drainage, except roofs covered with tile, brick or similar material

ROOF EXAMINATION AND ENGINEERS' CONSULTING SERVICE

For years Barrett has maintained an extensive Construction Service Department. At the request of men interested in the maintenance or modernization of buildings, plants, etc., highly trained representatives of this department have made careful surveys of the roofs of various buildings and rendered detailed reports.

In many instances such examinations have resulted in large savings in building maintenance.

On request, one of our representatives will go over your roofing problem with you or will make a careful survey of roof,

flashings, walls, coping, etc., on all your plants in conjunction with your superintendent or your master mechanic. (This service is available for buildings or structures with roof areas of 5000 sq. ft. or more that are located east of the Rocky Mountains.)

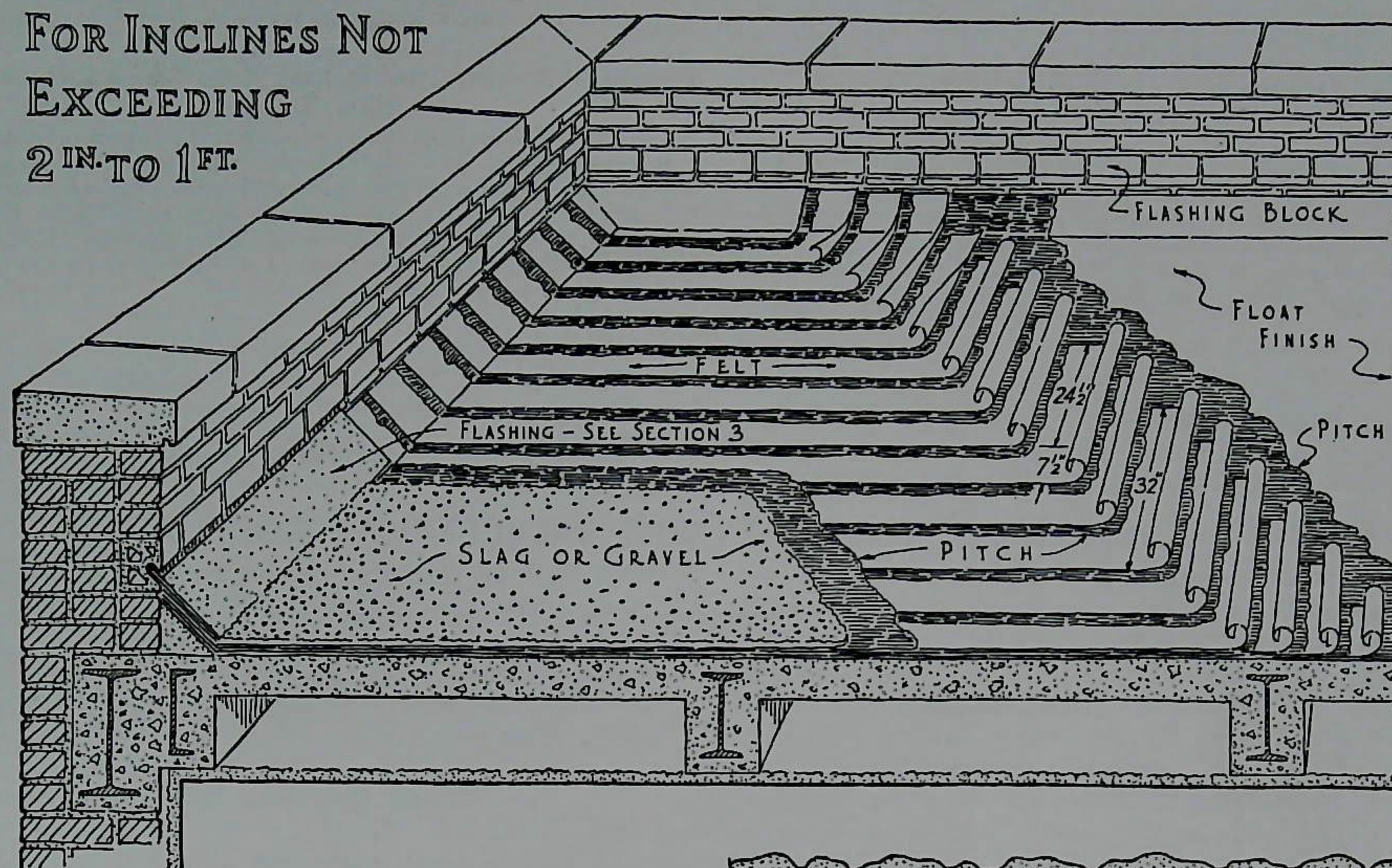
Address Construction Service Department, THE BARRETT COMPANY, 40 Rector Street, New York, N. Y.; 2800 So. Sacramento Avenue, Chicago, Ill.; or Birmingham, Ala. In Canada, write to THE BARRETT COMPANY, LTD., 5551 St. Hubert Street, Montreal, Quebec.



BARRETT SPECIFICATION ROOFS
20 YEAR GUARANTY BOND TYPE 'AA'
FOR USE OVER POURED CONCRETE OR GYPSUM



FOR INCLINES NOT
EXCEEDING
2 IN. TO 1 FT.



SPECIFICATION

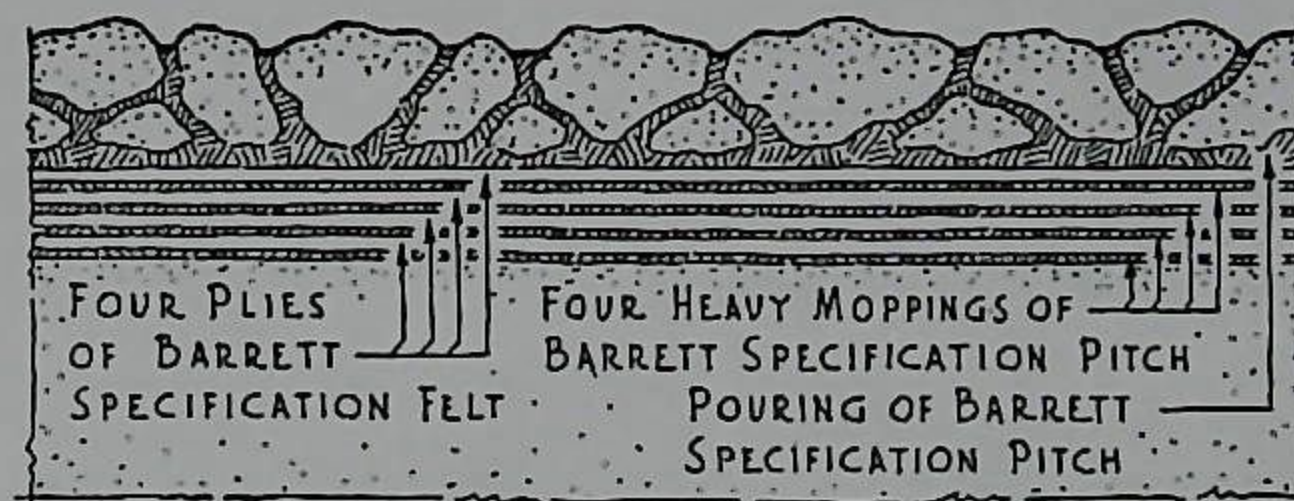
The roof deck shall be smooth, firm, dry and free from loose material. If roof deck is inclined, it shall be properly graded to outlets. On inclines exceeding one (1) inch to the foot, roof deck shall permit nailing or wood nailing strips shall be provided.

First—Coat the roof deck uniformly with Barrett Specification Pitch.

Second—Over the entire surface lay four (4) plies of Barrett Specification Tarred Felt, lapping each sheet twenty-four and one-half (24½) inches over preceding one, mopping with Barrett Specification Pitch the full twenty-four and one-half (24½) inch lap on each sheet, so that in no place shall felt touch felt. Such nailing as is necessary shall be done along upper edge of each sheet so that all nails shall be covered by not less than three (3) plies of felt.

Third—Over the entire surface pour from a dipper a uniform coating of Barrett Specification Pitch, into which, while hot, embed not less than four hundred (400) pounds of gravel or three hundred (300) pounds of slag for each hundred (100) square feet. The gravel or slag shall be from one-quarter (¼) inch to five-eighths (⅝) inch in size, dry and free from dirt.

General—The Felt shall be laid without wrinkles or buckles. Not less than two hundred (200) pounds of Pitch shall be used for constructing each one hundred (100) square feet of completed roof, and the Pitch shall not be heated above four hundred (400) degrees Fahrenheit.



FULL SIZE SECTION

The roof shall be applied by a roofing contractor approved by THE BARRETT COMPANY. He shall furnish THE BARRETT COMPANY'S Surety Bond Guaranty issued by the U. S. Fidelity and Guaranty Company of Baltimore, covering a period of twenty (20) years from date of completion, in accordance with Note No. 1.

Note No. 1—THE BARRETT COMPANY will give its Guaranty Bond on jobs of five thousand (5000) square feet or more in the United States and Canada where its inspection service is available, provided the roof is applied by a roofing contractor approved by THE BARRETT COMPANY in strict accordance with the above specification and subject to Barrett inspection and approval.

Condensed Specification

Roofing—Shall be a Barrett Specification Roof, Type "AA," laid in accordance with the Barrett Specification (for use over poured concrete or gypsum) by a roofing contractor approved by THE BARRETT COMPANY. The roofing contractor shall furnish THE BARRETT COMPANY'S Surety Bond Guaranty for twenty (20) years from date of completion, in accordance with Note No. 1 of said specification.



BARRETT WATERPROOFING AND DAMPPROOFING—METHODS AND MATERIALS

For

Foundations	Floors	Reservoirs	Subways	Railroad Bridge Decks
Footings	Pits and Sumps	Swimming Pools	Stadia	Highway Bridges

THE MATERIALS

Barrett Specification Felt; Barrett Specification Waterproofing Pitch; Black Diamond Felt; Black Diamond Pitch; Waterproofing Fabric; Dampproof Coating and Plaster Bond; Stone Backing and Stainproof Coating; Barrett Hydronon Paint; Plastic and Liquid Elastigum, etc.

Waterproofing

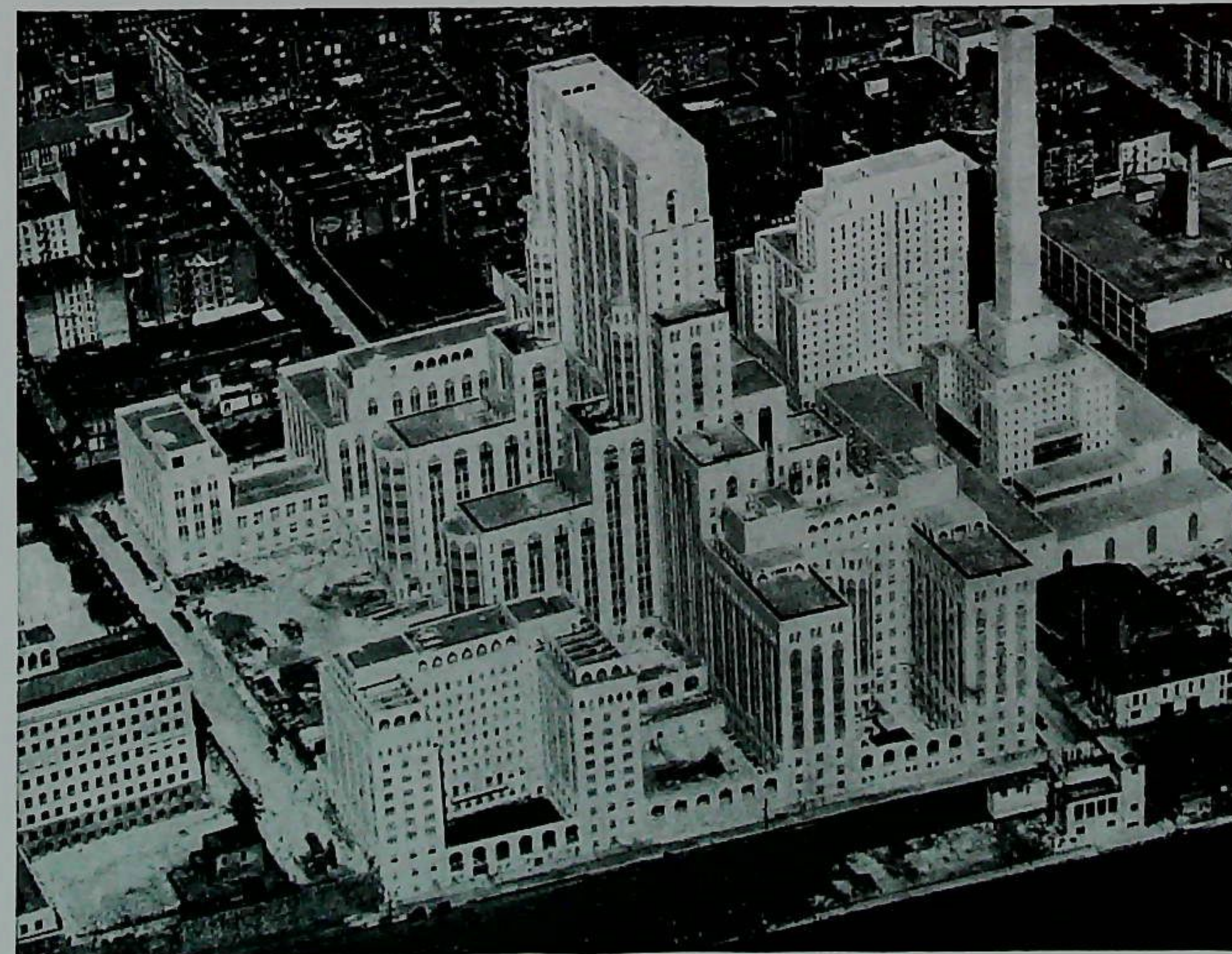
Waterproofing in some form is essential to the life and stability of many structures. Just what this form should be is a problem not exactly determinable by precise mathematical calculation. However, with a careful study of conditions, with the knowledge of definite factors and with the help of past experience, a form or method of waterproofing may be devised for the specific conditions encountered.

Proper waterproofing materials, intelligently selected and skillfully applied, are vital factors in making engineering structures watertight.

Membrane Method—For most satisfactory results the use of the membrane method of waterproofing is recommended. This method correctly followed not only protects but prolongs the life of any structure, and has been successfully used over a long period of years. It provides an elastic and continuous bituminous waterproofing blanket, composed of layers of waterproofing felt or fabric, homogeneously cemented with suitable waterproofing bitumen.

The use of the membrane system applies generally to the waterproofing of structures exposed to hydrostatic pressure or conditions of dampness or moisture, particularly those below ground surface, such as foundations of buildings, tunnels, subways, or other forms of sub-construction.

It is equally adaptable to the waterproofing of reservoirs, bridges, retaining walls, etc.



New York Hospital and Cornell Medical College, New York, N. Y.
Roofed and waterproofed with Barrett materials

Dampproofing

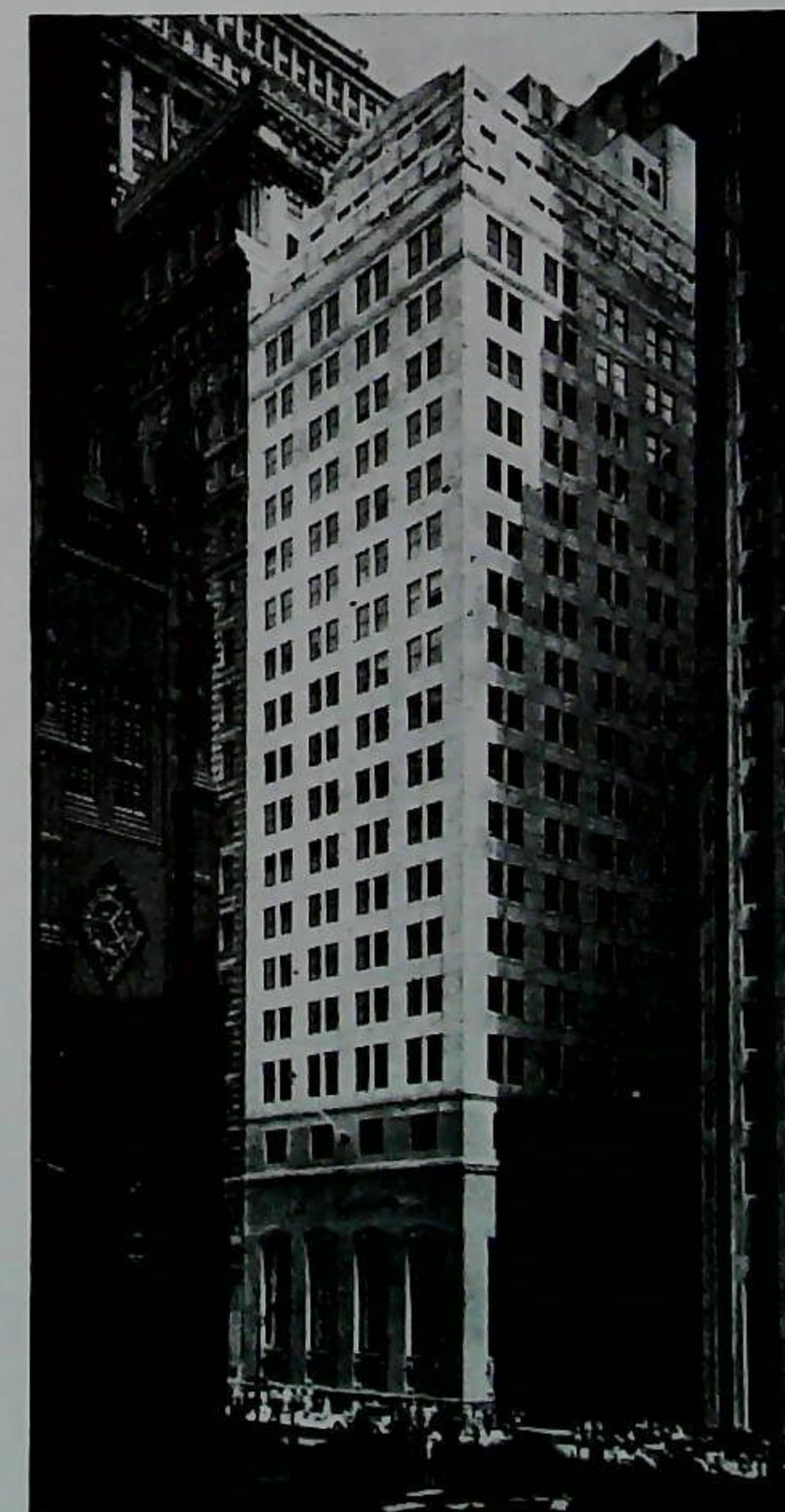
Dampproofing, as the name implies, is concerned with preventing the penetration of moisture or dampness—its most important use being in the preserving of exterior walls and interior wall finishes.

Barrett Dampproofing Coatings provide an adequate bond between the walls to which they are applied and the succeeding coats of rough and smooth wall plaster. This bonding feature is accomplished through the adhesive nature of the materials themselves. No mechanical key is required where plaster coats are applied directly to the dampproofing. The need of furring or lathing is eliminated, and building economy materially promoted.

Approved Waterproofing Contractors

Barrett Approved Waterproofing Contractors are skilled in the arts of waterproofing and dampproofing. Their employment on specific installations in accordance with specifications outlined assures obtaining satisfactory results.

The services of our Construction Service Department are available for consultation or co-operation in the preparing of specifications for specific jobs or handling of unusual installations.

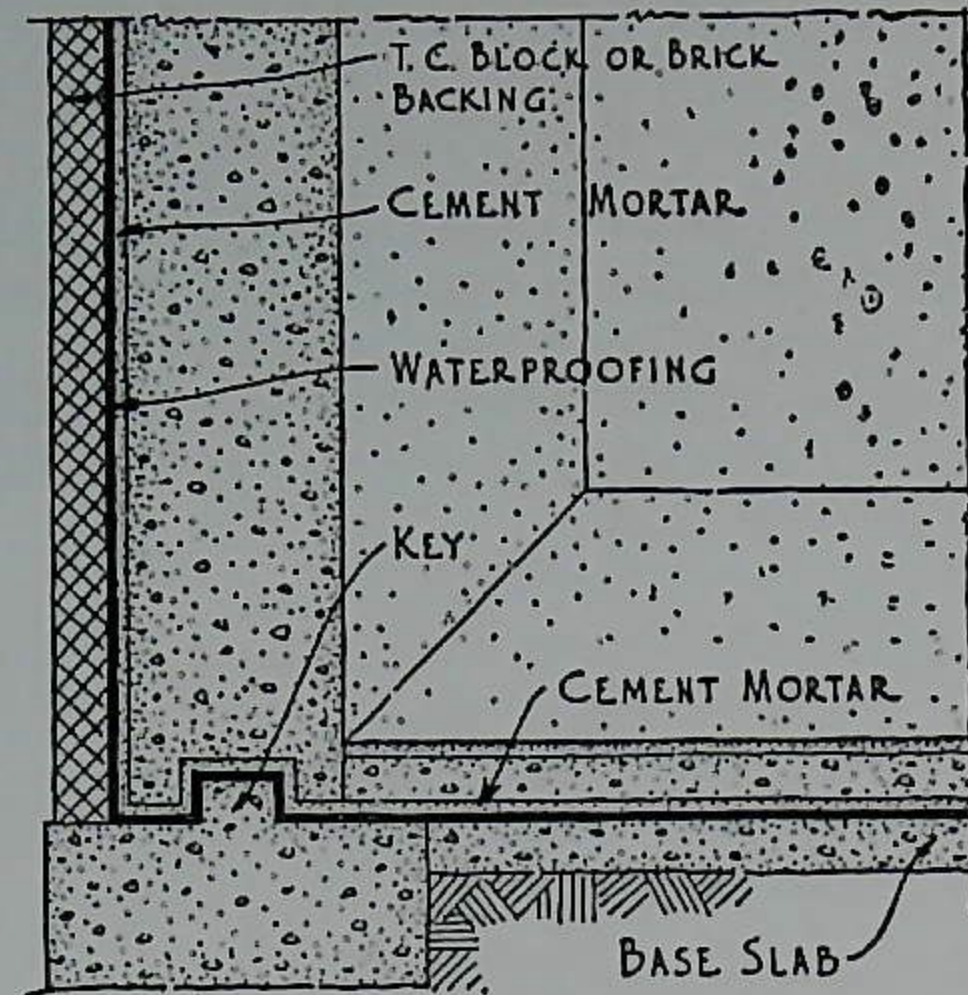


First National Bank, New York, N. Y.
Roofed, waterproofed and dampproofed with Barrett materials

BARRETT WATERPROOFING AND DAMPPROOFING—SPECIMENS OF DETAILS

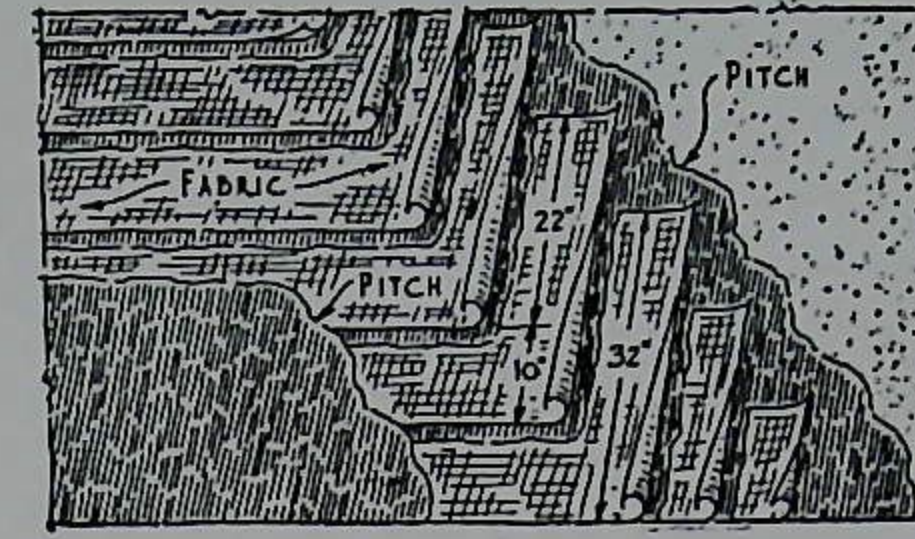
The membrane method of waterproofing is recommended for use on solid deck railroad bridges or other bridges, ramps, footings, foundations, subways, tunnels, reservoirs and where protection against water pressure is required. Complete details and specifications on

waterproofing and dampproofing may be found in Barrett's Architect's and Engineer's Reference Manual. If desired, a copy of the manual, or a reprint of the Waterproofing and Dampproofing section will be sent you on request.

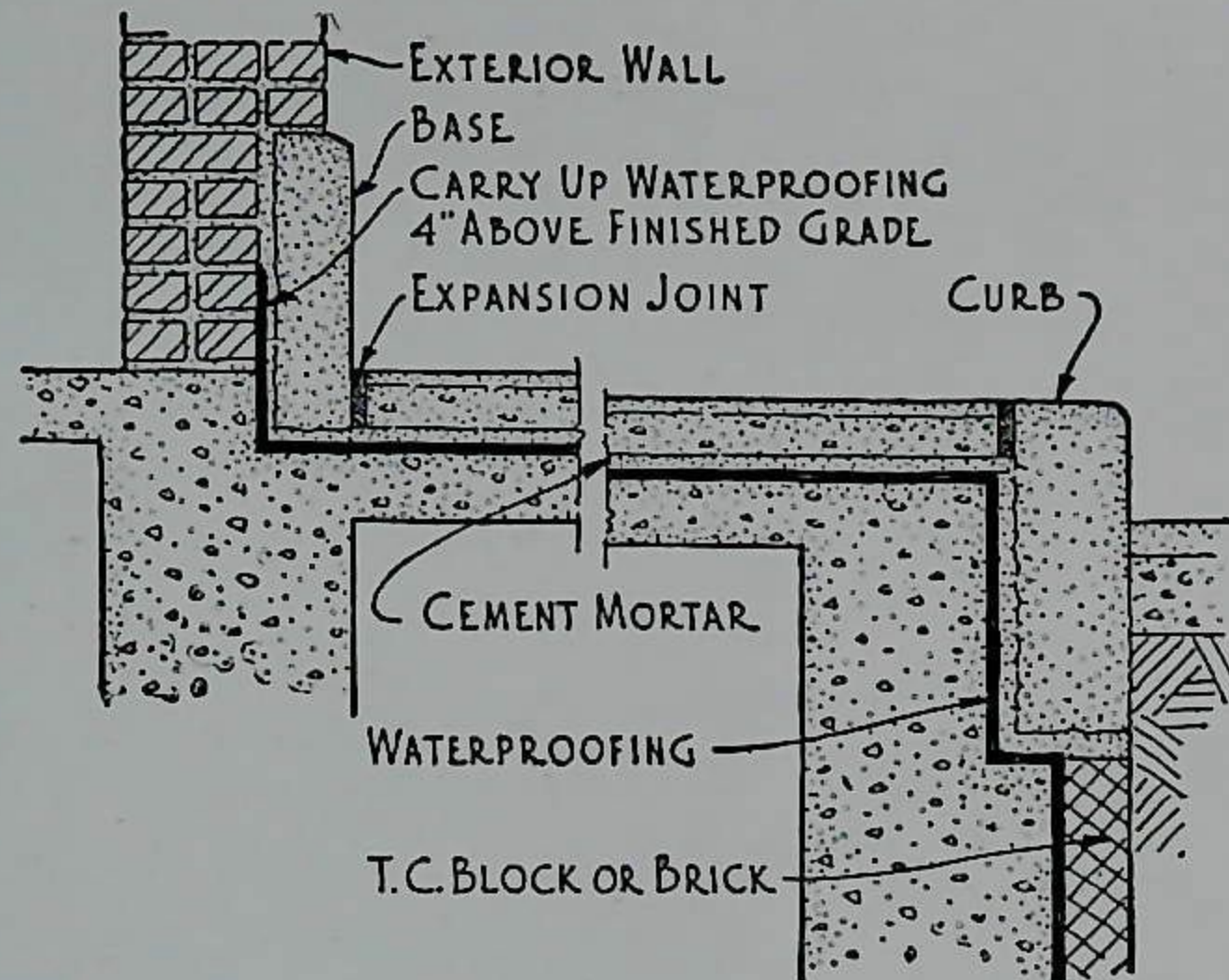
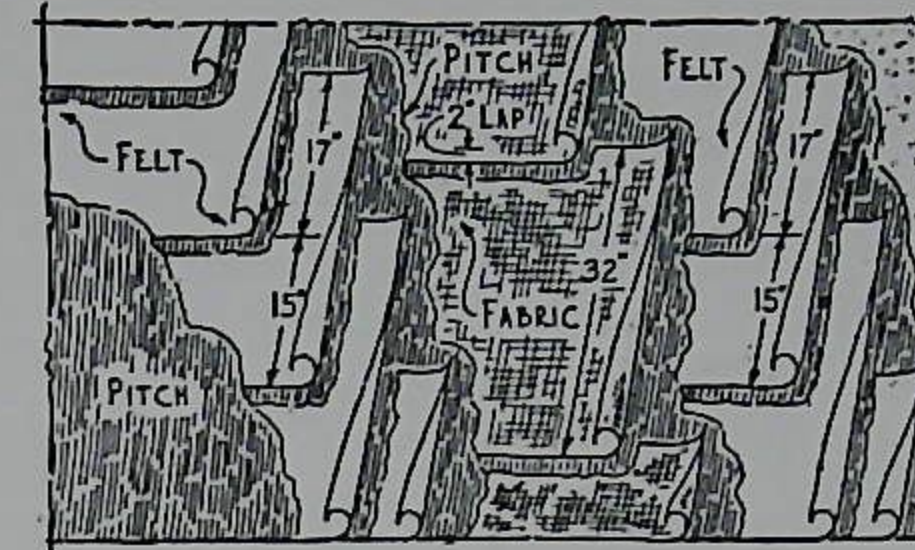


Waterproofing Detail for Outside Walls, Footings, etc.—Outside Application

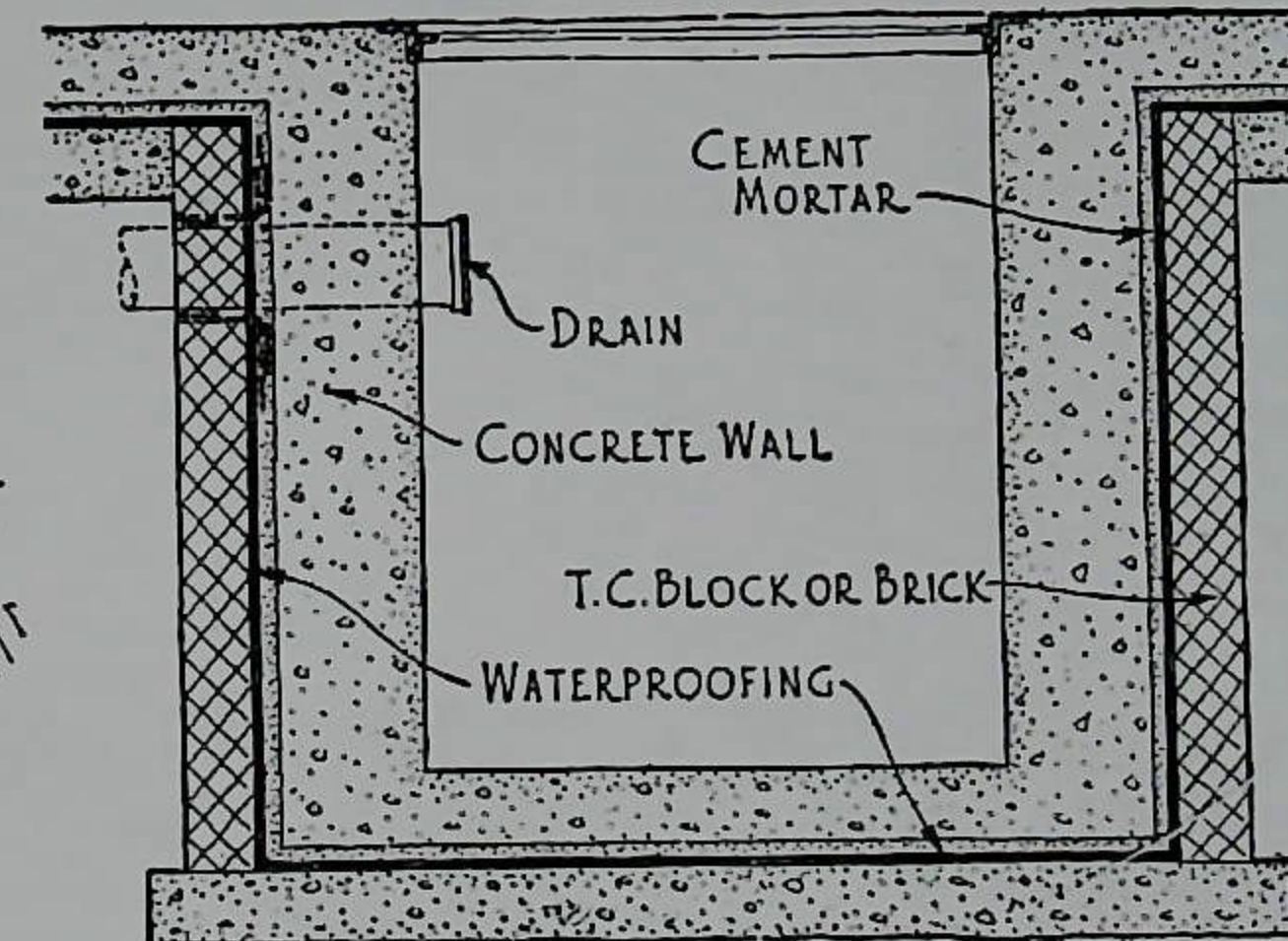
Fabric Type 3-Ply



Combination Felt and Fabric 5-Ply



Waterproofing Detail for Vaults and Tunnels



Waterproofing Detail for Sumps and Pits



West Side Elevated Express Highway, New York, N. Y.
490,000 sq. ft. of Barrett waterproofing



Bridge and Underpass, Washington, D. C.
Waterproofed with Barrett materials.
Fabric used on top and sides



BARRETT ASPHALT SHINGLES AND SIDING MATERIALS

Barrett manufactures a wide assortment of fine mineral surfaced shingles and sidings. These materials are fire-safe, rugged, surprisingly long lived, economical and unusually attractive. They are provided in a wide range of plain colors, tones and blends.

Barrett Shingles are made entirely in Barrett's plants, even to the felt base which is manufactured in Barrett's own felt mills. Scientifically controlling every step from crudes to finished product, Barrett is able to offer its shingles and sidings in uniformly high quality.

Barrett Shingles and Sidings may be laid directly over old materials, not only saving the expense and muss incident to tearing out the old coverings, but providing the combined protection and insulation value of both old and new materials.

Literature illustrating these materials in full color and giving detailed descriptions will be gladly furnished upon application.

Giant Self-Spacing Shingles



Massive, giant weight, with exclusive channel design.

Size: 12x16 in., 6-in. headlap, 228 Shgles (4 Bdles) per sq.
Colors: Green, Bright Green, Blue-black, Tile Red, Green Tone, Red Tone, Variegated, Forest Green, Gray-stone.

Broad Shadow



Exclusively Barrett. Throws heavy shadows, giving highly substantial aspect to roof.

Size: 10x36 in., 2-in. headlap, 100 Shgles (2 Bdles) per sq.
11 1/2 x 36 in., 3 1/2-in. headlap, 100 Shgles (2 Bdles) per sq.
12 1/2 x 36 in., 4 1/2 in. headlap, 100 Shgles (3 Bdles) per sq.
Giant Wt. 12 1/2 x 36 in. 4 1/2-in. headlap, 100 shingles (3 bales) per sq.
Colors: Bright Green, Blue-black, Tile Red, Brown Blend, Red Tone, Green Tone, Variegated.

Hexagonal



An ever popular shingle. Diagonal design offers poor target to wind.

Size: 11 1/2 x 36 in., 2-in. headlap, 86 Shgles (2 Bdles) per sq.
12 1/2 x 36 in., 3-in. headlap, 86 Shgles (2 Bdles) per sq.
12 x 36 in., 4-in. headlap, 100 Shgles (2 Bdles) per sq.
12 1/2 x 36 in., 4 1/2-in. headlap, 100 Shgles (3 Bdles) per sq.
13 1/2 x 36 in. (Giant Weight), 3-in. headlap, 76 Shgles (3 Bdles) per sq.
Colors: Red, Green, Bright Green, Blue-black, Tile Red, Red Tone, Green Tone, Variegated, Brown Blend.

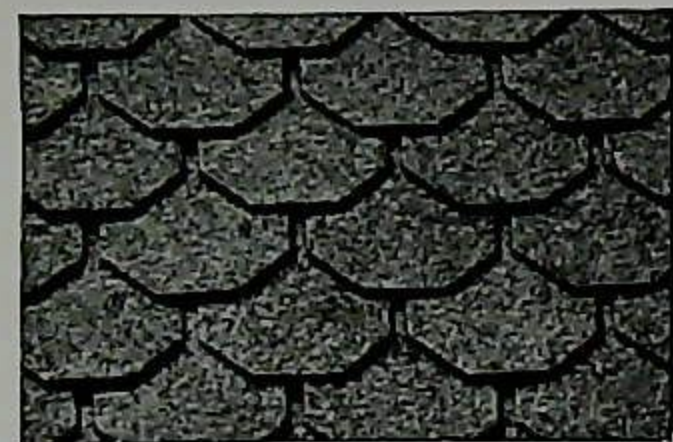
Multi



A strip shingle of finest quality, coming three (or four) shingles to the strip.

Size: 10x36 in., 2-in. headlap, 100 Shgles (2 Bdles) per sq.
12 1/2 x 36 in., 4 1/2-in. headlap, 99 Shgles (3 Bdles) per sq.
12 x 36 in. (Giant Weight), 2-in. headlap, 80 Shgles (3 Bdles) per sq.
Colors: Red, Green, Bright Green, Blue-black, Tile Red, Red Tone, Green Tone, Variegated, Forest Green, Gray-stone.

Octagonal



Because of small pattern an especially fine shingle for use on homes with dormers and bays—and for re-siding. 4 shingles to strip.
Size: 11x33 3/8 in., 3-in. headlap, 108 Shgles (2 Bdles) per sq.
Colors: Red, Green, Bright Green, Blue-black.

Brick-Type Siding



Entire strip mineral surfaced, while brick butts double coated and double mineral surfaced.
Size: 7x36 in., 4 bricks to strip, 1-in. headlap, 134 pieces (3 Bdles) per sq.
Colors: Bright Reds, Buffs, Tile Reds and Attractive Blends, with black, cream or brown mortar lines.

Dublecote Thick Butt Multi Shingles

The butts of these shingles, as shown in diagram, are built up double-thick, with two layers of asphalt coating and two layers of mineral surfacing. This added weight and massiveness provide greater fire-resistance, extra weather protection, longer life and deeper shadows, hence greater beauty. The extra weight is placed where needed—on the exposed portion of the shingle only.

Size: 12x36 in., 2-in. headlap, 80 shingles (3 Bdles) per sq. Standard weight 210 lb.; massive weight 240 lb.
Colors: Tile Red, Bright Green, Blue-black, Forest Green, Gray-stone, Red Tone Blends.



BARRETT ROLL ROOFINGS

Mineral Surfaced Roofing

Barrett's 82 years' roofing experience is your best assurance that any roofing bearing the Barrett label will give years of trouble-free, weather-tight, fire-safe protection.

Everlastic Giant—The finest mineral surfaced roll roofing made. 3-in. selvage. Weight: 105 lb. per roll; 36 in. x 36 ft. 8 in. Covers 100 sq. ft. Colors: Red, Green, Bright Green, Underwriters' label.

Everlastic—An exceptionally high quality roofing, with 2-in. selvage. Weight: 90 lb. per roll; 36 in. x 36 ft. Covers 100 sq. ft. Colors: Red, Green, Bright Green, Blue-black, Tile Red, Variegated, Underwriters' label.

Everlastic Starting Strips—For use under asphalt shingles and for lining valleys. Roll: 9 in. x 36 ft.—27 sq. ft. 21 lbs. Roll: 18 in. x 36 ft.—54 sq. ft.—43 lbs. Colors: Red, Green, Bright Green, Blue-black, Tile Red, Variegated.

Vitex—Good value, good quality roofing, with 2-in. selvage. Weight: 75 lb. per roll; 36 in. x 36 ft. Covers 100 sq. ft. Colors: Red, Green, Blue-black, Bright Green.

Diamond Point—Everlastic Roofing cut in diamond point style. Weight: 100 lb. per roll; 32 in. x 48 ft. Covers 100 sq. ft. Colors: Red, Green and Bright Green. Also, with contrasting tips: Bright Green, Bright Red, Buff, Dark Brown and Flame Red, Bronze Green, Blue Green and Purple Green Blends.

Paragon Point—Everlastic Roofing cut to unusual design. Weight: 100 lb. per roll; 32 in. x 48 ft. Covers 100 sq. ft. Colors: Tile Red, Green and Bright Green. Also, with contrasting tips: Bright Green, Bright Red, Buff, Dark Brown and Flame Red, Bronze Green, Blue Green and Purple Green Blends.

S.I.S.—17-in. selvage, giving 2 plies of roofing. Weight: 60 lb. per roll; 32 in. x 40 1/2 ft. Covers 50 sq. ft. of roof area. Colors: Red, Green, Bright Green, Blue-black. Underwriters' label.



Smooth Surfaced Roofing

Barrett Everlastic is the finest Smooth Surfaced Roll Roofing it is possible to manufacture. Only the best quality felt base, asphalt saturant and asphalt coating are used.

Everlastic—The standard of smooth surfaced roofings. One side is surfaced with flaky, foliated talc, the other with granular talc. Weights: Extra Heavy, 70 lb. per roll; Heavy, 60 lb.; Medium, 50 lb. 36 in. x 36 ft. Underwriters' label.

Vitex—A smooth surfaced roofing for good service at a medium price. Weights: Extra heavy, 65 lb. per roll; Heavy, 55 lb.; Medium, 45 lb.; Light, 35 lb. 36 in. x 36 ft. Underwriters' label.

Panamoid—Good quality, medium priced roofing, mica surfaced on both sides. 36 in. x 36 ft. Weights: Extra Heavy, 65 lb.; Heavy, 55 lb.; Medium, 45 lb.; Light, 35 lb.

Tomahawk—A low priced roofing of good value, also largely used for floor covering, lining packing cases, etc. Weights: Heavy, 55 lb.; Medium, 45 lb.; Light, 35 lb. 36 in. x 36 ft.

Plastico—The best grade felt roofing designed especially for use as a cap sheet. Especially treated to withstand foot traffic. Weight: 68 lb. per roll. 36 in. x 72 ft.

Walkover—A low priced, tough roll roofing especially for use as cap sheet. Weather side corrugated and dusted with soapstone. Weight: 68 lb. per roll, 36 in. x 72 ft.

Protexit—A good value, moderate priced cap sheet roofing. Heavy, corrugated asphalt surfacing—underside not coated to provide bond. Suited to foot traffic. Weight: 68 lb. per roll. 36 in. x 72 ft.



THE FLINTKOTE COMPANY

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BRANCH OFFICES

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CHICAGO, ILL., 624 So. Michigan Ave.
CINCINNATI, OHIO, 74th and Lebanon Sts.

DETROIT, MICH., 14201 Schaefer Highway
NEW ORLEANS, LA., Poland and Galvez Sts.

Pacific Coast Area: PIONEER-FLINTKOTE COMPANY, 55th and Alameda Sts., Los Angeles, Calif.
DENVER, COLO. PORTLAND, ORE. SALT LAKE CITY, UTAH SAN FRANCISCO, CALIF. SEATTLE, WASH. SPOKANE, WASH.

FLINTKOTE BUILT-UP ROOFS

Engineering Services by Roofing Engineers

Flintkote Sales Engineers are prepared to furnish definite recommendations as to the correct type of roof to be used with any type of construction. Any special problem may be referred to them with assurance of co-operation.

Built-up Roofing Materials and Application

Flintkote Built-up Roofing Materials are manufactured in our own plants according to our strict specifications. With this control of manufacture quality of product is certain and identical in all respects from all our factories.

Flintkote Bonded Built-up Roofs are applied only by Flintkote approved roofers insuring a roof built to exact specifications as required by THE FLINTKOTE COMPANY.

Types and Finishes of Built-up Roofs

Flintkote specifications have been made complete by incorporating the following types of built-up roofing construction, each for a specified term of years:

(1) Smooth Surfaced Asphalt Roofs; (2) Gravel or Slag Surfaced Asphalt Roofs; (3) Crushed Slate Surfaced Asphalt Roofs; (4) Coal Tar Felt and Pitch Roofs.

All of the above roofs will be bonded if desired.

Bonds for Built-up Roof and Flashings

If a Flintkote Bond is required, the roof shall be inspected by an authorized Flintkote Inspector. Such bonds will be given only when the roof is laid by an approved Flintkote Franchise Roofer in strict accordance with specifications.

Flintkote Standard Flashing Specifications used in conjunction with a bonded roof specification, will carry a flashing endorsement for a period of years corresponding to the type of flashing used.

Viskalt Compound

Viskalt Compound is an especially refined asphalt used where a superior product is desired and is particularly required for smooth surface roofs.

Flintkote Viskalt Saturated Felt

Viskalt Saturated Felt is the highest quality type of felt in both material and manufacture for use in built-up roofing. The high quality of this felt is maintained because of the fact that it is super-saturated with the same type of bitumen used in the production of Viskalt. This felt carries the Underwriters' Label as provided for built-up roofing purposes.

Made in weights of 14, 15 and 30 lbs. per 100 sq. ft.

TABULATED SPECIFICATIONS FOR VARIOUS TYPES OF BUILT-UP ROOFING

Period of bond—years	Specification Designation	Limitations of roof incline in inches per foot	Surface finish	Construction		Material weights														Weight per square		Underwriters classification
				Number of plies of felt	Layers of bitumen	Primer	Sheathing paper	Base sheet	Asphalt felt	Tarred felt	Rex construction	Cap sheet	Asphalt	Pitch	Viskalt	Static roof coating	Gravel	Slag	Smooth	Mineral surfaced	Gravel surfaced	
Standard Specifications for Wood or Precast Gypsum Decks																						
20	A-3-W	¼ up to 3	Gravel or slag	One 30-lb. felt (asphalt) Three 15-lb. felts (asphalt)	4	.....	32	49	.....	140	.....	.....	.....	.....	.....	.....	400	300	.....	621	521	A
20	A-4-W	¼ up to 2	Gravel or slag	Five 15-lb. felts (tar) One sheathing paper	4	.....	5	.....	81	.....	.....	.....	.....	.....	.....	.....	400	300	.....	636	536	A
15	B-3-W	¼ up to 3	Gravel or slag	One 30-lb. felt (asphalt) Two 15-lb. felts (asphalt)	3	.....	32	32	.....	110	.....	.....	.....	.....	.....	.....	400	300	.....	574	474	A
15	B-4-W	¼ up to 2	Gravel or slag	Four 15-lb. felts (tar) One sheathing paper	3	.....	5	.....	65	.....	.....	.....	.....	.....	.....	.....	400	300	.....	595	495	A
15	B-2-W	3 up to 9	Mineral	Three 15-lb. felts (asphalt) Rex Construction	4	.....	.....	49	110	120	.....	.....	.....	.....	.....	.....	.....	.....	.....	279	.....	C
10	C-3-W-S	3 up to 6	Gravel or slag	Five 15-lb. felts (asphalt) One 34-lb. base sheet	5	.....	.....	81	.....	125	.....	.....	.....	.....	.....	.....	325	250	.....	531	456	C
10	†C-1-W-C	¾ up to 3	Cap sheet	Two 15-lb. felts One 34-lb. cap sheet	3	.....	34	32	.....	34	90	.....	.....	.....	.....	.....	.....	.....	.....	190	.....	C
10	C-2-W	3 up to 9	Mineral	Two 15-lb. felts (asphalt) Rex Construction	2	.....	.....	32	110	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	202	.....	C
10	†C-1-W	¾ up to 6	Viskalt	One 30-lb. felt (asphalt) Two 15-lb. felts (asphalt)	3	.....	32	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	154	.....	C
10	C-1-W-E	¾ up to 6	Static roof coating	One 30-lb. felt (asphalt) Two 15-lb. felts (asphalt)	3	.....	32	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	154	.....	C

†Over rigid insulation or over steel decks with at least ½-in. layer of insulation any specification marked "†" may be used, provided that on all decks having inclines of over 3 in. per foot provision for nailing is made.

Standard Specifications for Non-combustible Decks

20	†A-3-C	¼ up to 3	Gravel or slag	Four 15-lb. felts (asphalt)	5	9*	.....	65	.....	.....	180	.....	.....	.....	.....	.....	400	300	.....	654	554	A
20	†A-4-C	¼ up to 2	Gravel or slag	Four 15-lb. felts (tar)	5	.....	.....	65	.....	.....	200	.....	.....	.....	.....	.....	400	300	.....	665	565	A
15	†B-3-C	¼ up to 3	Gravel or slag	Three 15-lb. felts (asphalt)	4	9*	.....	49	.....	.....	150	.....	.....	.....	.....	.....	400	300	.....	608	508	A
15	†B-4-C	¼ up to 2	Gravel or slag	Three 15-lb. felts (tar)	4	.....	.....	49	.....	.....	175	.....	.....	.....	.....	.....	400	300	.....	624	524	A
15	†B-2-C	3 up to 9	Mineral	Two 15-lb. felts (asphalt) Rex Construction	4	9	.....	32	110	120	.....	.....	.....	.....	.....	.....	.....	.....	.....	271	.....	C
10	C-3-C-S	3 up to 6	Slag or gravel	Four 15-lb. felts (asphalt)	5	9*	.....	65	.....	.....	125	.....	.....	.....	.....	.....	325	250	.....	524	449	C
10	C-1-C-C	¾ up to 3	Cap sheet	Three 15-lb. felts (asphalt) One 34-lb. cap sheet	4	9	.....	49	.....	34	120	.....	.....	.....	.....	.....	.....	.....	.....	212	.....	C
10	C-2-C	3 up to 9	Mineral	One 15-lb. felt (asphalt) Rex Construction	3	9	.....	15	110	90	.....	.....	.....	.....	.....	.....	.....	.....	.....	224	.....	C
10	C-1-C	¾ up to 6	Viskalt	Three 15-lb. felts (asphalt)	4	9	.....	49	.....	.....	120	.....	.....	.....	.....	.....	.....	.....	.....	178	.....	C
10	C-1-C-E	¾ up to 6	Static roof coating	One 30-lb. felt (asphalt) Two 15-lb. felts	4	9	.....	32	32	.....	90	.....	.....	.....	.....	.....	.....	.....	.....	193	.....	C

*Primer required only on gypsum decks.

Standard Specifications for Under Promenade Tile

10	C-1-P	Up to 1	Tile	Five 15-lb. felts (asphalt)	6	9	.....	81	.....	.....	180	.....	.....	.....	.....	.....	.....	.....	.....	.....	270	.....	.....
10	C-4-P	Up to 1	Tile	Five 15-lb. felts (tar)	6	.....	.....	81	.....	.....	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	281	.....	.....

Note: Specifications for use in the seven western states are different from above, and can be obtained from offices of PIONEER-FLINTKOTE COMPANY. No bonds are issued for projects in that area. Slag or gravel surfaced roofs are recommended for use in or south of South Carolina, Georgia, Tennessee, Arkansas and Oklahoma as we will not bond smooth surfaced asphalt roofs in that area.