The H. K. Ferguson Company
Frederick, Maryland

Specification Section
for
ROOF TILE, PRECAST ("KAYLO")

Synthetic Fibers Research Building
Carbide and Carbon Chemicals Company
South Charleston, West Virginia

I. GENERAL

A. These specifications, together with the Owner's Standard Construction Contract Form, completely filled in and properly executed, including any and all drawings listed herein shall constitute the Contract.

B. A schedule of all drawings to be used in connection with the new work is supplied herein.

C. A schedule of all bills of material covering materials which are being furnished by others is included herein. Quantities furnished as shown on these bills of material are intended to be complete, but bills are submitted only for the convenience and guidance of the Contractor, and quantities shall not be binding upon the Owner. Should any material shortages occur during the work, this Contractor shall immediately notify the Engineer of such shortages, and he will arrange to have the required material furnished. Where indicated in these specifications, however, this Contractor shall furnish required materials.

D. The submission of a proposal will be considered as an acceptance of all the requirements of the drawings, specifications, conditions at the building site and all governing codes and ordinances, unless the proposal is accompanied by written exceptions. Such exceptions, if not acceptable to the Owner, shall be grounds for the rejection of the Bidder's proposal.

PLAINTIFF'S EXHIBIT 760016.00

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I. GENERAL (Cont'd)

E. Proposals shall be submitted as a lump sum and no part of the work will be awarded separately.

F. The successful Bidder shall submit to the Owner, for accounting and payment purposes, a price breakdown of his proposal, in accordance with the list given in Section II, "Accounting Breakdown".

II. SCOPE OF WORK

A. The party performing the work under this section of the specifications, hereinafter referred to as the/his "Contractor", also referred to as "The Precast Roof Tile Contractor" in this and other sections of these specifications, shall furnish all tools and equipment and perform all labor and services, as may be necessary or reasonably incidental to complete the precast rooftile work shown on the drawings, and/or as specified.

B. The "Contractor" shall install in place, the standard steel subpurlins necessary for the instation of roof tile.

III. MATERIALS AND WORK BY OTHERS

A. The following materials work in conjunction therewith will be furnished and/or performed by others.

1. Main Roof structuresing.
2. Sub-purlins for installation by this Contractor.
3. Roof ("Kaylo") tilent materials, etc., as required.

IV. COOPERATION

A. This "Contractor" shall visit the drawings and specifications to ascertain the extent of work to be done by other Contractors.

B. This "Contractor" shall confer and cooperate with other Contractors to the extent necessary to the work to proceed rapidly and in an orderly manner.

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V. MATERIALS

A. Sub-purlins will be Owens-Illinois Glass Company Structural steel rail sections No. 101.

B. Roof tile will be precast, reinforced "Kaylo" roof tile, 2-5/8 inches thick by 18 inches wide by 36 inches long as made by Owens-Illinois Glass Company, Toledo, Ohio.

C. Grout for end joints of tile shall be composed of the following materials, measured by volume:

	Proportions	
	Ratio	Batch Volume
Gauging Plaster (quick setting)	1.0	1 cu. ft.
Expanded Vermiculite (Vermiculite plastering aggregate)	0.6	0.6 cu. ft.
Water (Approximate)	1.0	7½ gallons

D. Consistency of grout shall be such that it can be poured, but not so thin that the Vermiculite will float. (Note: Add water to provide proper consistency, then stir thoroughly to remove all lumps. Dry materials may be mixed in large quantities as desired, but water should be added only to small batches which can be used immediately.)

VI. INSTALLATION

A. Sub-purlins.

1. Weld to each support with one fillet weld 3/4 inch long placed on alternate sides of sub-purlins.

2. At ends of sub-purlins place welds on both sides.

3. Where joints of sub-purlins do not occur over supports, their ends shall be welded together. Where ends of sub-purlins bear on masonry they shall be securely anchored to the masonry.

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VI. INSTALLATION (Cont'd)

B. Roof Tile.

1. Shall be spaced evenly on sub-purlins to provide a minimum end bearing of ½ inch.
2. Shall be butted tightly together at sides.
3. Shall be cut to fit at ridges, hips, valleys, parapets, curbs, walls, around vents, pipes, etc.

C. Grout.

1. Fill joints at ends of tile over sub-purlins, and at ridges and hips.
2. Pour grout from open-spout can into joints until the grout protrudes slightly above the surface of the tile.
3. Scrape grout to flush with tile surface after its initial set.
4. Remove surplus grout from roof at once, leaving the roof deck free of all foreign matter.

D. Saddles and Cants.

1. Where lightweight aggregate saddles or cants are used over "Kaylo" roof tile deck, prime surface of tiles under same with asphalt primer (Federal Specification SS-S-701).
2. Mop primer on tile surfaces at the rate of 7.5 pounds (one gallon) per one hundred (100) square feet of roof.

VII. SAFETY

A. This Contractor and his employees shall abide by all Special Safety Rules in force in Owner's Plant and comply in general with all provisions of the American Standard Safety Code for Building Construction, as sponsored by the American Institute of Architects and the National Safety Council, and approved June 7, 1944 by the American Standards Association.

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VIII. CLEANUP

A. Leave tile deck clean and smooth for the Roofing Contractor.

B. At completion of this contract, all tools, equipment surplus materials and debris remaining from this work shall be removed from the premises.

C. Any work of this and/or other trades damaged in the execution of this contract, shall be thoroughly cleaned, repaired, and/or replaced, as directed by the Engineer, at this "Contractor's" expense.

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