A. 2-206A
B. 2-210A
C. 4-403
D. 4-402
E. 2-209A
F. 2-208A
G. 2-221A
H. 2-201A
I. 2-202A
J. 2-203A
K. 2-226A
L. 1001 Chamfered Edge
M. 1002D Chamfered Edge
N. 1002
O. 1003

BRICK PAVERS

From colonial days to today's contemporary scene, BRICK PAVERS remain one of the most popular paving materials both in urban and suburban settings. Installed alone or in conjunction with ASPHALT BLOCK or LONDON WALKS, BRICK PAVERS offer unlimited design opportunities.

They are available in a wide selection of colors, shapes and depths and are manufactured from either extruded fireclay or shale. Colors range from browns to reds and tans, including a variety of ironspots. In addition, many pavers can be custom blended at the factory to create a subtle variegated surface color. Hastings BRICK PAVERS are designed to endure vehicular and pedestrian traffic on grade or roof decks.

ASPHALT BLOCK & BRICK PAVERS SPECIFICATIONS

MATERIALS

A. Brick Pavers - Brick Pavers are to be furnished by the Hastings Pavement Company, Inc., 30 Commercial Street, Freeport, New York 11520. They are to be manufactured from extruded fireclay or shale and shall be fired to produce a dense paver. Brick will conform to ASTM Designation Section C-902.

B. Bituminous Setting Bed for Brick Pavers
Asphalt cement to be used in the bituminous setting bed shall conform to ASTM Designation D-3381, viscosity grade A.C. 10 or A.C. 20.

The fine aggregate to be used in the bituminous setting bed shall be clean, hard sand with durable particles and shall be free from adherent coating, lumps of clay, alkali salts, and organic matter. It shall be uniformly graded from "coarse" to "fine" and all passing the No. 4 sieve, and it shall meet the gradation requirements when tested in accordance with the standard method of test or sieve or screen analysis of fine and course aggregates ASTM Designation C-136-81.

The dried fine aggregate shall be combined with hot asphalt cement, and the mix shall be heated to approximately 300 degrees F at an asphalt plant. The approximate proportion of materials shall

be seven (7) percent asphalt cement and ninety-three (93) percent fine aggregate. Each ton shall be apportioned by weight in the approximate ratio of 145 lbs. asphalt to 1,855 lbs. sand. The contractor shall determine the exact proportions to produce the best possible mixture for construction of the bituminous setting bed to meet construction requirements.

C. Neoprene-Modified Asphalt Adhesive Under Brick Pavers...as manufactured by Hastings Pavement Co. Inc.

MASTIC (asphalt adhesive)
Solids (base) - 75 ± 1%
Lbs./Gal. - 8-8.5 lb.
Solvent. Mineral Spirits (over 100ºF Flash)
BASE (2% Neoprene, 10% Asbestos-free Fibers, 88% Asphalt)
Melting Point - ASTM D-36 - 150ºF Min.
Penetration - 77ºF 100 Gram Load
5 Second (.1 mm) - 23-27
Ductility - ASTM D-113-44 @ 25ºC
5 cms/per minute - 100-125 cm Min.

D. Joint Filler for Asphalt Block and Brick Pavers - Portland Cement with prepared color added shall conform to ASTM C-150. Sand shall conform to ASTM C-144.

INSTALLATION

A. Placing Bituminous Setting Bed for Brick Pavers - To install the setting bed over the base surface prepared by others, place control bars directly over the base. The depth control bars must be set carefully to bring the pavers, when laid, to proper grade. Thickness of the finished setting bed shall be no more than 1" or less than 1/2".

The setting bed shall be rolled with a power roller to a nominal depth of 3/4". The thickness shall be adjusted so that when the asphalt block or brick pavers are placed, the top surface of the pavers will be at the required finished grade. However, under no circumstances shall the setting bed exceed one (1") inch.

A coating of two (2) percent Neoprene-modified asphalt adhesive shall be applied by squeegeeing or troweling over the top surface of the bituminous setting bed so as to provide a bond under the pavers.

B. Installation of Pavers - After the modified asphalt adhesive is applied, carefully place the pavers by hand in straight courses with hand tight joints and uniform top surface. Good alignment must be kept, and the pattern shall be that shown on the plans.

C. Joint Treatment - HAND TIGHT JOINTS shall read from 1/8" to maximum 1/4" for Brick Pavers and 1/16" to maximum 1/8" for Asphalt Block. Sweep a dry mixture of one part colored Portland Cement to match color of pavers and three parts sand until joints are flush with top surface. Fog lightly with water. Joints may recede up to 1/8". Cement stains that remain should be cleaned. Screenings or other suitable fillers are also acceptable.

OTHER CONDITIONS

A. Expansion Joints on Roof Deck (for hand tight joints only) - Place a premoulded, nonextruded, resilient expansion joint against all vertical walls with flashing to within one (1) inch of finished grade. Caulking for expansion joint installed by others.

B. Base by Others - Four (4) inch deep concrete slab is the preferred base course or a four (4) inch deep binder mix, which can be obtained from a local asphalt plant. Base must be designed and constructed in accordance with state and local road specifications.

C. Vehicular Traffic - If there is to be vehicular traffic over Brick Pavers or Asphalt Block, prime concrete slab or binder course with emulsified asphalt (RS-1 or CRS-1).

D. Curbs (constructed by others) - Curbs are required to retain pavers. Either concrete, steel or suitable material should be used.

E. Insulation (installed by others) - Use any type of rigid insulation which can withstand the heat of the bituminous setting bed and weight of anticipated traffic.

F. Protection Course (installed by others) - Over all types of roofing, place an inorganic asphalt-impregnated board 1/4" deep when area is used for promenade traffic. Not recommended under vehicular traffic.

G. Roof Drains (constructed by others) - Use drains that have weep holes at the roofing level.

H. Slope (constructed by others) - Desired slope on roofs or on grade is a minimum of one (1) inch in ten (10) feet.

I. Landscaping and Tree Planting (installed by others) - This should be performed prior to installation of pavers.