



INTERLOCKING PAVER BLOCKS

SOLID CONCRETE INTERLOCKING
PAVING STONE SPECIFICATIONS
(SHEET 1 OF 2)

1. DESCRIPTION

1.1 GENERAL

A. SCOPE OF WORK

1. FURNISH AND PLACE SAND BEDDING COURSE.
2. FURNISH AND INSTALL CONCRETE INTERLOCKING PAVING STONES IN THE QUALITY, SHAPE, THICKNESS AND A COLOR AS SPECIFIED.
3. FURNISH AND INSTALL ALL ACCESSORY ITEMS AS REQUIRED BY THE CONTRACT.

B. RELATED WORK:

1. FURNISH AND INSTALL SUBGRADE PER DETAIL.

C. PRODUCT HANDLING

1. PAVING STONES SHALL BE DELIVERED AND UNLOADED AT JOBSITE IN SUCH A MANNER THAT NO DAMAGE OCCURS DURING SHIPPING, HANDLING AND STORAGE.

D. REFERENCES

1. SOLID CONCRETE INTERLOCKING PAVING STONES SHALL MEET OR EXCEED THE REQUIREMENTS IN ASTM C-396 STANDARD SPECIFICATIONS FOR SOLID CONCRETE INTERLOCKING PAVING UNITS.

II. MATERIALS:

2.1 SOLID CONCRETE INTERLOCKING PAVING STONES:

A. THICKNESS, COLOR AND PATTERN:

1. PAVING STONE THICKNESS SHALL BE BETWEEN 2 3/8" TO 3 1/8".
2. ALL PAVING STONES SHALL BE COLORED THROUGH THE FULL DEPTH OF
3. PAVER AND JUST NOT THE SURFACE.
A MULTI-COLORED PAVING STONE PATTERN SHALL BE USED.

B. CEMENTITIOUS MATERIALS:

1. PORTLAND CEMENTS SHALL CONFORM TO ASTM C-150.

C. AGGREGATES:

1. AGGREGATES SHALL CONFORM TO ASTM C-33 FOR NORMAL WEIGHT CONCRETE EXCEPT THAT GRADING REQUIREMENTS SHALL NOT NECESSARILY APPLY.

D. OTHER MATERIALS:

1. COLORING PIGMENTS, AIR ENTRAINING AGENTS, INTEGRAL WATER REPELLENTS, FINELY GROUND SILICA, ETC., SHALL CONFORM TO ASTM STANDARD WHERE APPLICABLE OR SHALL BE PREVIOUSLY ESTABLISHED AS SUITABLE FOR USE IN CONCRETE.

E. COMPRESSIVE STRENGTH:

1. AT THE TIME OF DELIVERY TO THE WORK SITE, THE AVERAGE COMPRESSIVE STRENGTH SHALL NOT BE LESS THAN 8,000 psi WITH NO INDIVIDUAL UNIT STRENGTH LESS THAN 7,000 psi, WITH TESTING PROCEDURES IN ACCORDANCE WITH ASTM C-140.

F. ABSORPTION:

1. THE AVERAGE ABSORPTION SHALL NOT BE GREATER THAN 5% WITH NO INDIVIDUAL UNIT ABSORPTION GREATER THAN 7%.

G. PROVEN FIELD PERFORMANCE:

1. SATISFYING FIELD PERFORMANCE IS INDICATED WHEN PAVING STONES SIMILAR IN COMPOSITION, AND MADE WITH THE SAME MANUFACTURING EQUIPMENT AS THOSE SUPPLIED TO THE PURCHASER, DO NOT EXHIBIT EXCESSIVE DETERIORATION AFTER ONE YEAR.

H. VISUAL INSPECTION:

1. ALL PAVING STONES SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE PROPER PLACEMENT OF THE PAVING STONE OR IMPAIR THE STRENGTH OR PERFORMANCE OF THE CONSTRUCTION.
2. MINOR CRACKS INCIDENTAL TO THE USUAL METHODS OF MANUFACTURE, OR CHIPPING RESULTING FROM CUSTOMARY METHODS OF HANDLING IN SHIPMENT AND DELIVERY, SHALL NOT BE DEEMED GROUNDS FOR REJECTION.

I. SAMPLING AND TESTING:

1. THE PURCHASER SHALL BE ACCORDED PROPER FACILITIES TO INSPECT AND SAMPLE THE PAVING STONES AT THE PLACE OF MANUFACTURE FROM LOTS READY FOR DELIVERY.
2. PAVING STONES WILL BE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C-140.

J. REJECTION:

1. IF THE SHIPMENT FAILS TO CONFORM TO THE SPECIFIED REQUIREMENTS, THE MANUFACTURER MAY SORT IT, AND NEW TEST PAVING STONES SHALL BE SELECTED AT RANDOM BY THE PURCHASER FROM THE RETAINED LOT AND TESTED AT THE EXPENSE OF THE MANUFACTURER. IF THE SECOND SET OF TEST PAVING STONES FAIL TO CONFORM TO THE SPECIFIED REQUIREMENTS, THE ENTIRE LOT SHALL BE REJECTED.

2.2 BEDDING COURSE:

1. THE BEDDING COURSE SHALL BE A WELL GRADED, CLEAN, WASHED SAND WITH 100% PASSING A 3/8" SIEVE SIZE AND A MAXIMUM OF 3% PASSING A NO. 200 SIEVE SIZE. THE USE OF MASON SAND SHALL NOT BE APPROVED.
2. THE BEDDING COURSE SHALL BE THE RESPONSIBILITY OF THE PAVING STONE INSTALLER.

2.3 EDGE RESTRAINT

1. ALL EDGES OF THE INSTALLED PAVING STONES SHALL BE RESTRAINED. THE TYPE OF EDGE RESTRAINT SHALL BE APPROVED AT LOCATIONS AND TO DETAILS NOTED ON PLANS.



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REVISION

10/09

DESIGN DETAIL

PAVER BLOCK DETAILS
AND SPECIFICATIONS

EFFECTIVE DATE:

DETAIL NO. 120

APPROVED:

H.P. TOMPKINS, JR., P.E.
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