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. PAVER STONES SHALL BE DELIVERED AND UNLOAD AT JOBSITE IN SUCH A MANNER THAT NO DAMAGE OCCURS DURING SHIPMENT, HANDLING AND STORAGE.
D. REFERENCES
1. SOLID CONCRETE INTERLOCKING PAVING STONES SHALL MEET OR EXCEED THE REQUIREMENTS IN ASTM C-368 STANDARD SPECIFICATIONS FOR SOLID CONCRETE INTERLOCKING PAVING UNITS.
II. MATERIALS:
2.1 SOLID CONCRETE INTERLOCKING PAVING STONES:
A. THICKNESS, COLOR AND PATTERN:
1. PAVER STONE THICKNESS SHALL BE BETWEEN 2 3/8" TO 3 3/8".
2. ALL PAVER STONES SHALL BE COLORED THROUGH THE FULL DEPTH OF PAVING AND JUST NOT THE SURFACE.
3. A MULTI-COLORED PAVER STONE PATTERN SHALL BE USED.
B. CEMENTOUS MATERIALS:
1. PORTLAND CEMENTS SHALL CONFORM TO ASTM C-150.

C. AGGREGATES:
1. AGGREGATES SHALL CONFORM TO ASTM C-13 for normal weight concrete except that grading requirements shall not necessarily apply.
D. OTHER MATERIALS:
1. COLORING AGENTS, AIR ENTRAINING AGENTS, INTEGRAL WATER REPELLENTS, FINELY GROUND SILICA, ETC., SHALL CONFORM TO ASTM STANDARD WHERE APPROPRIATE 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 2000 PSI WITH NO INDIVIDUAL UNIT STRENGTH LESS THAN 7000 PSI, WITH TESTING PROCEEDURES IN ACCORDANCE WITH ASTM C-140.
F. ABSORPTION:
1. THE AVERAGE ABSORPTION SHALL NOT BE GREATER THAN 8% 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 PAVER STONES SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE PROPER PLACEMENT OF THE PAVER STONE OR IMPAIR THE STRENGTH OR PERFORMANCE OF THE CONSTRUCTION.
I. MINOR GAPS INDICATIVE TO THE USUAL METHODS OF MANUFACTURE, OR CHIPPING RESULTING FROM CUSTOMARY METHODS OF HANDLING IN SHIPMENT AND DELIVERY, SHALL NOT BE DECIDED GROUNDS FOR REJECTION.
J. SAMPLING AND TESTING:
1. THE PURCHASER SHALL ACCORD PROPER FACILITIES TO INSPECT AND SAMPLE THE PAVER STONES AT THE PLACE OF MANUFACTURE FROM LOTS READY FOR DELIVERY.
2. PAVER STONES WILL BE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C-140.
K. REJECTION:

2.2 BEDDING COURSE:
1. THE BEDDING COURSE SHALL BE A WELL GRADED, CLEAN, WASHED SAND WITH TOES PASSING A 3/8" SIEVE SIZE AND A MAXIMUM OF 25 PASSING A NO. 100 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 PAVER STONES SHALL BE RESTRAINED. THE TYPE OF EDGE RESTRAINT SHALL BE APPROVED AT LOCATIONS AND TO DETAILS NOTED ON PLANS.