

SECTION 07322

CLAY SPANISH "S" TILE ROOFING

PART 1 GENERAL

1.01 QUALITY ASSURANCE

A. Reference Specifications and Codes:

1. Florida Department of Education, Office of Educational Facilities - State Requirements for Educational Facilities - 1999 (SREF).
2. South Florida Building Code - Chapter 34 Roof Covering and Application.
3. Underwriters Laboratories UL 790 and ASTM E108 requirements for Class "A" fire rating for roof coverings.
4. Uplift requirements based on the basic wind velocity pressures for the project according to the most stringent applicable requirements among the following:
 - a. M-DCPS Design Standards.
 - b. SREF.
 - c. American Society of Civil Engineers (ASCE) 7-98.
 - 1) Use ASCE 7-98 Exposure Category "C" for wind design at M-DCPS additions and new construction, except when required by a coastal building zone location to use Exposure Category "D".
 - 2) Use map wind speed of ± 150 mph.
 - 3) Wind load importance factor for educational buildings shall be 1.15.

NOTE TO SPECIFIER: Insert required FM wind uplift classification, in the following paragraph 5, as determined by ASCE 7-98 for "C" or "D" exposure category based on location and with a wind importance factor for educational buildings of 1.15.

5. Factory Mutual requirements for Class I rated assembly and FM 1-____ uplift classifications as determined by ASCE 7-98.
6. Roofing manufacturer's specifications.
7. National Roofing Contractors Association, latest edition.
8. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA): Architectural Sheet Metal Manual, latest edition.

Project Name
Project No.

**M-DCPS MASTER
SPECIFICATION GUIDELINES**

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1.02 WARRANTY

- A. Contractor shall furnish the Board a 5 year written warranty, beginning at Substantial Completion, signed by Roofing applicator, covering materials and quality of work for entire "Roofing System", including repair and replacement of flashing and other roofing components deemed faulty or in disrepair by A/E during warranty period. This warranty shall include all other work performed by the contractor described in other sections, including but not limited to, caulking and sealants, sheet metal, insulation, and roofing accessories.
1. Such items deemed faulty or in disrepair shall be repaired at no cost to the Board.
 2. No dollar limit on warranty.
 3. Single source responsibility.
 4. Definition of faulty components or roofing in disrepair includes but is not limited to:
 - a. Defects in the quality of work or materials.
 - b. Leaks of any kind.
- B. Manufacturer shall furnish the Board a 20 year written warranty, beginning at Substantial Completion, signed by manufacturer's authorized representative for repair and replacement period and terms:
1. No dollar limit on warranty.
 2. Single source responsibility.
 3. Definition of faulty components or roofing in disrepair includes but is not limited to:
 - a. Defects in the quality of work or materials.
 - b. Leaks of any kind.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Spanish "S" Clay Tile Roofing Manufacturers:
1. Gladding McBean, Lincoln, CA.
 2. Ludowici Celadon, New Lexington, OH.
 3. MCA Clay Roofing Tile, Corona, CA.
 4. Mediterranean Clay Corp. Medley, FL.
 5. Palm Beach Clay Tile Co., Palm Beach, FL.

2.02 MATERIALS

- A. Natural blend of baked Spanish "S" type clay tile with approved color blends.
- B. Foam Attachment: According to South Florida Building Code - Chapter 34 Roof Covering and Application.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Contractor shall take great care in properly sealing non-corrosive fastener penetrations.
- B. Installation shall be according to manufacturer's latest published application procedures and as specified.

END OF SECTION