

SECTION 07323

CLAY FLAT TILE ROOFING

PART 1 GENERAL

1.01 QUALITY ASSURANCE

A. Reference Specifications and Codes:

- 1. Florida Building Code (FBC).
 - 2. Underwriters Laboratories UL 790 and ASTM E108 requirements for Class "A" fire rating for roof coverings.
 - 3. Uplift requirements based on the basic wind velocity pressures for the project according to American Society of Civil Engineers (ASCE) 7-98.
- a. Comply with calculations, signed and sealed by a Florida registered professional engineer, establishing wind velocity pressure values for the specific project according to ASCE 7-98 using a wind speed of 146 mph, exposure category "C", and a wind load importance factor of 1.15.

NOTE TO SPECIFIER: Insert required FM wind uplift classification, in the following paragraph 5, as determined by ASCE 7-98 using a wind speed of 146 mph, exposure category "C", and with a wind importance factor for educational buildings of 1.15.

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

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. Flat Clay Tile:

1. Gladding, McBean, Lincoln, CA.
2. Gory Tile, Pompano Beach, FL.
3. Ludowici Celadon, New Lexington, OH.
4. MCA Clay Roofing Tile, Corona, CA.
5. Palm Beach Clay Tile Co., Palm Beach, FL.

B. Materials:

1. Foam Attachment: According to Florida Building Code.

Project Name
Project No.

**M-DCPS MASTER
SPECIFICATION GUIDELINES**

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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