

07310 ASPHALT SHINGLES

SPECIFIER:

CSI 2004 MasterFormat number: _____.

PART 1 GENERAL

1.1 REFERENCES AND CODES

- A. Florida Building Code (FBC), including FBC - Roofing Application Standards (RAS), and FBC - Test Application Standards (TAS).
- B. Miami-Dade County Product Control.
- C. Uplift requirements based on the basic wind velocity pressures for the project according to American Society of Civil Engineers (ASCE) 7-98.
 - 1. 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.

TO SPECIFIER: Insert required FM wind uplift classification, in the following paragraph, as determined by FBC ASCE 7.

- D. Factory Mutual requirements for Class I rated assembly and FM 1-____ uplift classifications as determined by FBC - ASCE 7.
- E. Roofing manufacturer's specifications.
- F. National Roofing Contractors Association (NRCA) - Roofing and Waterproofing Manual.
- G. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA): Architectural Sheet Metal Manual, latest edition.
- H. Underwriters Laboratories UL 790 and ASTM E108 requirements for Class "A" fire rating for roof coverings.

1.2 WARRANTY

Project Name
Project No.

**M-DCPS MASTER
SPECIFICATION GUIDELINES**

January, 2004
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- 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

2.1 MANUFACTURERS

- A. Asphalt Shingles:
1. Elk Corporation: Prestique Plus.
 2. GAF Corporation: New Enhanced Timberline Shingles-Fiber Glass.
 3. Owens Corning: Oakridge.

2.2 MATERIALS

- A. Asphalt Shingles: Made from glass felt, 275 to 370 lb./square, self-sealing type, fungus resistant, architectural dimensional type.
- B. Ring Shank Roof Nails: According to manufacturer's or applicable code uplift requirements.

- C. Underlayment Felt: Supplied by roofing manufacturer with type and number of plies according to code application and uplift requirements.
- D. Staple fasteners are not allowed.
- E. Powder activated fasteners are not allowed.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Installation shall be according to manufacturer's latest published application procedures and as specified.

END OF SECTION