

**S P E C I F I C A T I O N S**

**RE-CARPETING**

**OF**

**NORTHPARK ELEMENTARY SCHOOL**

**JUNE 2021**

**Sweetwater County School District Number One**

**Rock Springs, Wyoming**

## INDEX

	PAGE
INVITATION TO BID	1
INSTRUCTIONS TO BIDDERS	
1.    Obtaining Documents	2
2.    Examination of Documents & Site	
3.    Resolution of Discrepancy	
4.    Substitutions of Materials and/or Methods	3
5.    Basis of Proposals	4
6.    Preparation of Proposals	
7.    Disqualification of Bidders	5
8.    Opening of Proposals	
9.    Award of Contract	
10.   Post Bid Information	
11.   Equal Opportunity Employer	6
12.   Taxes	
13.   Drug/Tobacco Policy	
14.   Asbestos-free Provision	
PROPOSAL FORM	7
SPECIFICATIONS	
PART 1 - GENERAL REQUIREMENTS	
1.1   Related Documents	11
1.2   Summary	
1.3   Action Submittals	
1.4   Informational Submittals	12

INDEX

	PAGE
PART 1 - GENERAL REQUIREMENTS. (Continued)	
1.5 Closeout Submittals	12
1.6 Maintenance Material Submittals	
1.7 Quality Assurance	
1.8 Delivery, Storage, and Handling	
1.9 Field Conditions	13
1.10 Warranty	
PART 2 - Products	
2.1 Carpet Tile: F-1/F-2	13
2.2 Walk Off Carpet Tiles: F4	14
2.3 Quality Assurance	16
PART 3 - Execution	
3.1 Examination	16
3.2 Preparation	
3.3 Installation	17
3.4. Cleaning and Protection	

## INVITATION TO BID

Notice is hereby given that Board of Trustees, Sweetwater County School District Number One, 3550 Foothill Blvd., Rock Springs, Wyoming will receive sealed bid proposals for the Re-carpeting Project located at Northpark Elementary School, Rock Springs, Wyoming.

Information for this project may be obtained from the District's Facility Office, 3575 Foothill Blvd., Rock Springs, Wyoming 82901; 307-352-3400. Bid information can also be found on the district's website:

[http://www.sweetwater1.org/groups/4804/facilities/current\\_and\\_upcoming\\_project\\_bid](http://www.sweetwater1.org/groups/4804/facilities/current_and_upcoming_project_bid).

All work specified in the documents is to be included in the bidder's proposal.

A mandatory bid walk of the project site will convene at Northpark Elementary at **2:00 p.m., Thursday, July 1st, 2021**. \*(A certified check, cashier's check or bid bond made payable to Sweetwater County School District No. One in an amount equal to 5 percent of the bid shall accompany each bid as a guarantee that if the bid is accepted, the bidder shall execute a signed contract and furnish the Performance Bond within 10 days after the Notice of Intent to Award the Contract.) No bid may be withdrawn for a period of 30 days after the date of the bid opening. All bids are to be prepared in accordance with the contract documents which were prepared by Sweetwater County School District Number One, Rock Springs, Wyoming.

Sealed bids will be received in the Office of the Facilities Director, 3575 Foothill Blvd. P.O. Box 1089, Rock Springs, Wyoming 82902-1089 until **2:00 p.m., local time, Tuesday, July 13th, 2021**. Bids will be publicly opened and read aloud immediately thereafter. The bids will then be reviewed and presented to the Board of Trustees, if required, for their acceptance and awarding of contract(s). Bids shall be sealed in one envelope plainly marked: "Northpark – Re-Carpet." Electronic bids will not be accepted.

Attention of the bidder is particularly called to the requirements in the Wyoming Statutes regarding preference for Wyoming products and the 5 percent preference shown to Wyoming contractors.

The District shall reserve the right to reject any and all bids and to waive irregularities and informalities in bidding. Contracts shall be awarded to the lowest responsible bidder, after consideration is given to the conformity with specifications, the quality of the materials to be supplied, the suitability to the requirements of the project, the delivery terms and the past performance of the vendor.

\*Required on bids exceeding \$ 50,000.00. Policy DJC

Carol Jelaco, Chairman  
Max Mickelson, Clerk  
Sweetwater County School District No. 1  
Board of Trustees

Published dates: June 16th and June 25th, 2021

## INSTRUCTIONS TO BIDDERS

### OWNER

Sweetwater County School District Number One  
3550 Foothill Blvd.  
Rock Springs, Wyoming 82901

### PROJECT

Northpark Elementary School  
1 W. Northpark Drive  
Rock Springs, Wyoming

#### 1. OBTAINING DOCUMENTS

A. Bidders may obtain Drawings and Specifications from Owner.

#### 2. EXAMINATION OF DOCUMENTS AND SITE

Bidders shall carefully examine the Documents and the Construction Site to obtain first-hand knowledge of existing and local conditions. Contractor will not be given extra payments for conditions which can be determined by examining the site and documents.

#### 3. RESOLUTION OF DISCREPANCY

A. Submit all questions about the Drawings and Specifications to the Owner, in writing. Replies will be issued to all prime bidders of record as Addenda to the Drawings and Specifications and will become part of the Contract. The Owner will not be responsible for oral clarification. Questions received less than 72 hours before the bid opening cannot be answered.

B. Should conflict occur in or between Drawings and Specifications and no interpretation is requested, Bidder is deemed to have estimated to more expensive way of doing work and the Owner will decide which stipulation will provide the best installation.

4. SUBSTITUTIONS OF MATERIALS AND/OR METHODS

- A. Materials, Products, Equipment or Services specified by manufacturer, brand or trade name, or catalog reference shall be the basis for the Contractor's Proposal. It is not the intent to limit competition. Materials, Products, Equipment or Services other than those specified will be permitted if they have been approved in writing by the Owner prior to the bid opening. Approval for substitutions must be secured prior to bid opening.
- B. To obtain approval to use unspecified Materials, Products, Equipment or Services, bidders (prime contractors, subcontractors, suppliers, manufacturers, etc.) shall submit written requests prior to the time of bid opening. Requests received after this time will not be considered. Requests shall clearly describe the product for which approval is asked, including all data and/or samples necessary to demonstrate acceptability.
- C. Failure to secure written approval for substitutions or unspecified materials, products, equipment or services will result in disqualification of your bid.
- D. Request shall show in detail the Paragraphs and/or Drawing details from which the proposed construction and/or function varies from the items specified, and shall provide complete data showing and explaining in detail all such changes or variations the Bidder proposes to make from the Owners Drawings and Specifications. If no variances or changes are noted, the substituted items shall meet the specifications in every way.
- E. On request of the Owner, the Bidder at his own expense, shall furnish information or data concerning the materials, apparatus, equipment, or process offered by him as equal to, and as a substitute for, that indicated or specified by name: the Bidder at his own expense to have said material, apparatus, equipment or process tested under the direction of the Owner, as to its quality characteristics, its durability, finish and/or efficiency by an approved testing laboratory.
- F. If the Owner accepts such substitutions, he will do so for design concept only and will so advise plan holders in an Addendum issued to all prime bidders on record.
- G. If the Bidder does not offer any substitute in the manner required in this Section, or, if a substitute so offered is not deemed by the Owner to be equal and/or acceptable to that indicated or specified, then the Contractor shall furnish, erect, or install the materials, apparatus, equipment or process indicated or specified by name.

H. The acceptance, if any, or substitutes after the Contract has been signed will be handled, **AT THE DISCRETION OF THE OWNER**, by Change Order.

5. BASIS OF PROPOSALS

A. TYPES OF BIDS: The Owner invites lump sum bids as follows and as hereinafter described:

Lump sum bid for providing all labor, materials, equipment  
And services necessary to perform all work for the complete  
Project as intended by the Contract Documents.

B. BIDDING PROCEDURE:

1. Proposals for the construction of the entire project will be received up to but no later than the time hereinafter noted. At the time will be publicly opened and read aloud.

**TIME: 2:00 P.M. local time                      DATE: Tuesday, July 13<sup>th</sup>, 2021**

PLACE: Facilities Office, P.O. Box 1089, 3575 Foothill Blvd., Rock Springs, Wyoming 82901

2. Base Bid shall include all labor, materials, equipment and services necessary to construct all work as shown on the Drawings and outlined in the Specifications for the complete project.

6. PREPARATION OF PROPOSALS

A. To be entitled to consideration, proposals must be in accordance with the following instructions: Proposals shall be in the form which is bound with the Specifications and all blank spaces in the form shall be filled. Numbers shall be stated both in words and in figures; in case of discrepancy, the amount shown in words shall govern; the signature shall be in longhand; and the complete form shall be without interlineations, alteration or erasures.

B. Bids MUST give full firm name, address, and telephone number of bidder. Failure to manually sign bid will disqualify it. Person signing bid shall show TITLE or AUTHORITY TO BIND HIS FIRM IN A CONTRACT.

C. Failure to use and properly fill out the proposal form bound with the specifications may result, at the discretion of the owner, in disqualification of bid.

7. DISQUALIFICATION OF BIDDERS

The Owner may make such investigation as he deems necessary to determine the ability of the bidder to perform the Work and the bidder shall furnish to the Owner all such information and data for this purpose the Owner may request. The Owner may reserve the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein. Conditional bids will not be accepted.

8. OPENING OF PROPOSALS

Proposals will be opened as stated in the Invitation to Bid and in the preceding paragraphs. Proposals received prior to the time of opening will be securely kept, unopened. The officer whose duty it is to open them will decide when the time specified has arrived, and no proposal received thereafter will be considered.

9. AWARD OF CONTRACT

The Sweetwater County School District Number One reserves the right in awarding contracts to consider the competency, responsibility and suitability of the bidder, as well as the amounts of various bids. Contracts, therefore will not necessarily be awarded to the low bidders. The Sweetwater County School District Number One further reserves the right to accept or reject alternates in any order or combination; to accept or reject any bid or any section or all sections as stated in the Specifications, to waive any irregularities or informalities and to award contracts in the best interest of the Sweetwater County School District Number One.

10. POST BID INFORMATION

A. The Contractor shall, at the time of bid, submit the following:

1. A statement of costs (schedule of values) for each major item or work included in the bid.
2. A designation of the work to be performed by the bidder with his own forces.
3. A list of names of the Sub-contractors or other persons or organization proposed for the principal portions of the work.



- B. Prior to the award of the Contract, the Owner will notify the bidder in writing if the Owner has reasonable and substantial objection of any person or organization on such list. If the Owner has a reasonable and substantial objection to any person or organization on such list, and refuses in writing to accept such person or organization, the bidder may, at his option, withdraw his bid without forfeiture of bid security. If the bidder submits any acceptable substitute with an increase in his bid price to cover the differences in cost occasioned by such substitution, the Owner may, at his discretion, accept the increased bid price or he may disqualify the bidder.
- C. Subcontractor and other persons and organizations proposed by the bidder and accepted by the Owner must be used on the work for which they were proposed and accepted and shall not be changed except with the written approval of the Owner.

11. EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant from employment because of race, creed, color or national origin. The Contractor will take affirmative action to insure that applicants are employed and the employees are treated during employment, without regard to their race, creed, color or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship.

12. TAXES

All bidders shall include in their Bid Proposal, Wyoming State Sales and Use tax.

13. DRUG/TOBACCO POLICY

The contractor shall take the necessary steps to prevent the use of drugs and/or tobacco on School District properties.

14. ASBESTOS-FREE PROVISION

The Contractor and sub-contractors shall be responsible for verification that all materials supplied under the work of this project shall be asbestos-free. If the contractor or sub-contractor discovers that any specified product contains asbestos, he shall notify the Administrative Assistant for Physical Plant Office.

Asbestos-free certifications, signed by the appropriate sub-contractor and the Contractor, are required for the following specifications sections as they apply to this project.

**PROPOSAL**  
**for**  
**RE-CARPETING**  
**NORTHPARK ELEMENTARY**  
**Sweetwater County School District Number One**

Proposal of \_\_\_\_\_

Hereinafter called the "Bidder".

A Corporation      Partnership      An Individual      (Strike out two)

Doing Business As \_\_\_\_\_  
Name of Firm

TO: Board of Trustees, Sweetwater County School District Number One, P. O. Box 1089  
Rock Springs, Wyoming 82901, hereinafter called the "Owner"

**BASE PROPOSAL:**

The bidder in compliance with owner's invitation for bids for the re-carpet of Northpark Elementary School in Rock Springs, Wyoming, having examined the specifications, the site of the proposed project, proposes to complete the project in accordance with the specifications, within the time period set forth therein and at the price listed. These prices to cover all expenses incurred in performance of the work required under the specifications of which this proposal is a part.

Bidder hereby agrees to commence work on this project upon receipt of the notice to proceed and to complete the work within the time as set forth in this proposal.

**PROPOSAL:**

Bidder agrees to furnish all materials and labor required to remove existing carpet and/or accessories and replace with new materials as specified.

The Bidder declares that he/she has a minimum of three years of successful experience as a general contractor, in the business of commercial carpet/linoleum installation, including removal and replacement, and will furnish references if they are requested.

The bidder acknowledges receipt of the following Addendums:

Addendum Number

Date of Addendum

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**RESIDENCY STATEMENT:**

The bidder is bidding as a WYOMING RESIDENT \_\_\_\_\_ NON RESIDENT \_\_\_\_\_

The bidder must schedule projects with the district.

**GENERAL STATEMENT:**

The undersigned has checked all of the above figures, and understands that the Owner will not be responsible for any errors or omissions on the part of the undersigned in preparing this Proposal.

In submitting this Proposal, it is understood that the right is reserved by the Owner to reject any or all bids and waive all informalities in connection therewith. It is agreed that this proposal may not be withdrawn for a period of 30 days from time of opening, except as noted below.

The undersigned declares that the person or persons signing this Proposal is/are fully authorized to sign of behalf of the firm listed and to fully bind the firm listed to all the Proposal's conditions and provisions.

It is agreed that no person or persons or company other than the firm listed below or as otherwise indicated, has any interest whatsoever in this Proposal, or the Subcontract that may be entered into as a result of this Proposal and that in all respects the Proposal is legal and firm, submitted in good faith without collusion or fraud.

It is agreed that the undersigned has complied and will comply with all requirements of local, state and national laws, and that no legal requirements has been or will be violated in making or accepting this Proposal, or in the prosecution of the work required.

Attached hereto is a certified check, cashiers check or bid bond in the sum of 5% of the bid. The bid security is to become the property of the owner and in the event that the contract and bond are not executed within the time set forth, be used as liquidated damages for the delay and additional expenses to the owner caused thereby.

**BID PRICE:**

The bidder agrees to perform the work as defined in the drawings, specifications and related bid documents for the sum of:

**1) NORTHPARK ELEMENTARY SCHOOL**

Bid -

Remove old flooring and install new 16 oz. tile carpeting with Synthetic/Ecoworx Tile backing

\$ \_\_\_\_\_ \$ \_\_\_\_\_  
(written amount)

Estimated Sq. Ft. \_\_\_\_\_

Respectfully submitted, this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

Firm Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone No.: \_\_\_\_\_

FAX: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Signature: \_\_\_\_\_

Name Typed: \_\_\_\_\_

Title: \_\_\_\_\_

(Seal if bidder is a Corporation)

SPECIFICATIONS  
for

NORTHPARK ELEMENTARY SCHOOL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes modular carpet tile.
- B. Related Requirements:
  - 1. Section 024119 "Selective Demolition" for removing existing floor coverings.
  - 2. Section 096513 "Resilient Base and Accessories" for resilient accessories installed with carpet tile.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
  - 2. Include manufacturer's written installation recommendations for each type of substrate.
- B. Shop Drawings: For carpet tile installation, plans showing the following:
  - 1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.
  - 2. Carpet tile type, color, and dye lot.
  - 3. Type of subfloor.
  - 4. Type of installation.
  - 5. Pattern of installation.
  - 6. Pattern type, location, and direction.
  - 7. Pile direction.
  - 8. Type, color, and location of insets and borders.
  - 9. Type, color, and location of edge, transition, and other accessory strips.
  - 10. Transition details to other flooring materials.
- C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
  - 1. Carpet Tile: Full-size Sample.
  - 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- long Samples.

- D. Samples for Initial Selection: For each type of carpet tile.
  - 1. Include Samples of exposed edge, transition, and other accessory stripping involving color or finish selection.
- E. Samples for Verification: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
  - 1. Carpet Tile: Full-size Sample.
  - 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- long Samples.
- F. Product Schedule: For carpet tile. Use same designations indicated on Drawings.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.
- C. Sample Warranty: For special warranty.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:
  - 1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
  - 2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

#### 1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd.

#### 1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association or who can demonstrate compliance with its certification program requirements.

#### 1.8 DELIVERY, STORAGE, AND HANDLING

- A. Comply with CRI's "CRI Carpet Installation Standard."

## 1.9 FIELD CONDITIONS

- A. Comply with CRI's "CRI Carpet Installation Standard" for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet tiles before installing these items.

## 1.10 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
  - 1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
  - 2. Failures include, but are not limited to, the following:
    - a. More than 10 percent edge raveling, snags, and runs.
    - b. Dimensional instability.
    - c. Excess static discharge.
    - d. Loss of tuft-bind strength.
    - e. Loss of face fiber.
    - f. Delamination.
  - 3. Warranty Period: 10 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 CARPET TILE: **F-1/F-2**

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Shaw Contract Group; a Berkshire Hathaway company. Mindful Play (Engage, Impact, and Think or comparable product by one of the following:
  - 1. Interface, LLC.
  - 2. Mannington Mills, Inc.
  - 3. Mohawk Group (The); Mohawk Carpet, LLC.
  - 4. Patcraft; a division of Shaw Industries, Inc.
- B. Color: As selected by Architect from manufacturer's full range.
  - 1. Contractor shall anticipate multiple colors to be applied in each room of the renovation area.
  - 2. Additional colors as selected by Architect and Owner from Manufacturers full range.



- C. Installation Method: Quarter Turn.
- D. Fiber Type: Colorstrand SD Nylon.
- E. Average Density: 6063 oz./cu. yd.
- F. Pile Characteristic: Multi-Level loop pile.
- G. Pile Thickness: .226 inches for finished carpet tile.
- H. Gage: 1/10 inch.
- I. Surface Pile Weight: 16.0 oz./sq. yd.
- J. Primary Backing/Backcoating: Manufacturer's standard composite materials.
- K. Backing System: EcoWorx or manufacturer's standard.
- L. Size: 24 by 24 inches.
- M. Applied Treatments:
  - 1. Soil-Resistance Treatment: Manufacturer's standard treatment – Sentry Plus.
  - 2. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:
    - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.
- N. Performance Characteristics:
  - 1. Appearance Retention Rating: Heavy traffic, 3.0 minimum according to ASTM D 7330.
  - 2. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cm according to NFPA 253.
  - 3. Dry Breaking Strength: Not less than 100 lbf according to ASTM D 2646.
  - 4. Tuft Bind: Not less than 8 lbf according to ASTM D 1335.
  - 5. Delamination: Not less than 3.5 lbf/in. according to ASTM D 3936.
  - 6. Dimensional Tolerance: Within 1/32 inch of specified size dimensions, as determined by physical measurement.
  - 7. Dimensional Stability: 0.2 percent or less according to ISO 2551 (Aachen Test).
  - 8. Colorfastness to Crocking: Not less than 4, wet and dry, according to AATCC 165.
  - 9. Colorfastness to Light: Not less than 4 after 60 AFU (AATCC fading units) according to AATCC 16, Option E.
  - 10. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.

## 2.2 WALK OFF CARPET TILES: F-4

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Shaw Contract Group; a Berkshire Hathaway company. All Access: Portal Tile (Path and Portla) or comparable product by one of the following:

1. Interface, LLC.
  2. Mannington Mills, Inc.
  3. Mohawk Group (The); Mohawk Carpet, LLC.
  4. Patcraft; a division of Shaw Industries, Inc.
- B. Color: As selected by Architect from manufacturer's full range.
1. Contractor shall anticipate multiple colors to be applied in each room of the renovation area.
  2. Additional colors as selected by Architect and Owner from Manufacturers full range.
- C. Fiber Content: 100 percent nylon.
- D. Fiber Type: Eco Solution Q Nylon.
- E. Pile Characteristic: Multi-level pattern loop.
- F. Stitches: 9.0 inch.
- G. Gage: 1/12 inch.
- H. Tufted Weight: 28.0 oz./sq. yd.:
- I. Primary Backing/Backcoating: Synthetic.
- J. Secondary Backing: Ecoworx Tile.
- K. Size: 24 by 24 inches.
- L. Applied Treatments:
1. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:
    - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.
- M. Performance Characteristics:
1. Appearance Retention Rating: Heavy traffic, 3.0 minimum according to ASTM D 7330.
  2. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cm according to NFPA 253.
  3. Dry Breaking Strength: Not less than 100 lbf according to ASTM D 2646.
  4. Tuft Bind: Not less than 8 lbf according to ASTM D 1335.
  5. Delamination: Not less than 3.5 lbf/in. according to ASTM D 3936.
  6. Dimensional Tolerance: Within 1/32 inch of specified size dimensions, as determined by physical measurement.
  7. Dimensional Stability: 0.2 percent or less according to ISO 2551 (Aachen Test).
  8. Colorfastness to Crocking: Not less than 4, wet and dry, according to AATCC 165.
  9. Colorfastness to Light: Not less than 4 after 60 AFU (AATCC fading units) according to AATCC 16, Option E.

10. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.

### 2.3 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.
- B. Examine carpet tile for type, color, pattern, and potential defects.
- C. Concrete Slabs: Verify that finishes comply with requirements specified in Section 033000 "Cast-in-Place Concrete" and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. General: Comply with CRI's "Carpet Installation Standards" and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch unless more stringent requirements are required by manufacturer's written instructions.
- C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.
- D. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

### 3.3 INSTALLATION

- A. General: Comply with CRI's "CRI Carpet Installation Standard," Section 18, "Modular Carpet" and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: Glue down; install every tile with full-spread, releasable, pressure-sensitive adhesive.
- C. Maintain dye-lot integrity. Do not mix dye lots in same area.
- D. Maintain pile-direction patterns recommended in writing by carpet tile manufacturer.
- E. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
- F. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- G. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.
- H. Install pattern parallel to walls and borders.

### 3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
  - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
  - 2. Remove yarns that protrude from carpet tile surface.
  - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with CRI's "Carpet Installation Standard," Section 20, "Protecting Indoor Installations."
- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.