



The School Board of Miami-Dade County, Florida
SCHOOL BOARD ADMINISTRATION BUILDING
Procurement Management Services
1450 N.E. 2nd Avenue, Room 352
Miami, Fl. 33132

Direct All Inquiries To
 Procurement Management Services
 O. HOUSER
 PHONE: (305) 995-2349
 TDD PHONE: (305) 995-2400

BID/RFP ADDENDUM

Date: 7/18/03
 Addendum No. 1

BID/RFP No.: 133-CC09M/WBE

BID/RFP TITLE: Carpet and Floor Tile, South of Flagler (Furnish and Install)

This addendum modifies the conditions of the above referenced BID/RFP as follows:

- The Bid opening date has been changed to 7/31/03, at 2:00 P.M.
- Inclusion of Instructions To Bidders for "Cone of Silence" Board Rule.
- Special Conditions 1. PURPOSE has been revised, and page SC1 have been replaced.
- Bid Proposal Form (Format B): Pages 1 of 6, 2 of 6, 5 of 6, and 6 of 6 have been replaced.
- Specifications: Pages 5 of 11, 6 of 11, and 7 of 11 has been replaced.
- M-DCPS Master Specification Guidelines 09660, 09665, and 09682 are included in this addendum.

The attached pages containing clarifications, additional information and requirements constitutes an integral part of the referenced bid.

1. If your bid/proposal has not been mailed, substitute the pages marked REVISED and mail your entire bid/proposal package. **REMEMBER TO SIGN THE BIDDER QUALIFICATION FORM.**
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2. If your bid/proposal has been mailed, sign and return this addendum form with the revised pages by the time and date indicated on the Bidder Qualification Form. **BY SIGNING THIS ADDENDUM, THE VENDOR AGREES TO THE TERMS AND CONDITIONS CONTAINED IN THE BIDDER QUALIFICATION FORM AND ALL RELATED BID DOCUMENTS.**

I acknowledge receipt of Addendum Number

PLEASE NOTE: If your firm has mailed a copy of this bid/proposal to another vendor, it is your responsibility to forward them a copy of this addendum.

(PLEASE TYPE OR PRINT BELOW)

LEGAL NAME OF BIDDER: _____

MAILING ADDRESS: _____

CITY, STATE ZIP CODE: _____

TELEPHONE NUMBER: _____ E-MAIL I.D. _____ FAX # _____

BY: SIGNATURE (Manual): _____
 OF AUTHORIZED REPRESENTATIVE

NAME (Typed)- _____ TITLE: _____
 OF AUTHORIZED REPRESENTATIVE

THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA
SCHOOL BOARD ADMINISTRATION BUILDING

1450 Northeast Second Avenue
Miami, Florida 33132



Direct all inquiries to the
Bureau of Procurement and
Materials Management.

BUYER NAMED: O. Houser
PHONE: (305) 995-2349
TDD PHONE (305) 995-2400

COMPLETE USING
TYPEWRITER
OR
BALL-POINT PEN
ONLY.

BIDDER QUALIFICATION FORM

BID NO. 133-CC09MWBE BID TITLE Carpet and Floor Tile, South of Flagler (Furnish and Install)
BIDS WILL BE ACCEPTED UNTIL 2:00 P.M. ON 7/31/03 IN ROOM 351,
SCHOOL BOARD ADMINISTRATION BUILDING, 1450 NE 2ND AVENUE, MIAMI, FL. 33132, AT WHICH TIME THEY WILL BE
PUBLICLY OPENED. BIDS MAY NOT BE WITHDRAWN FOR 180 DAYS AFTER OPENING. (REFER TO INSTRUCTIONS TO
BIDDERS, para.IV.B.)

THE SUBMISSION OF THE BID BY THE VENDOR, ACCEPTANCE AND AWARD OF THE BID BY THE SCHOOL BOARD OF
MIAMI-DADE COUNTY, FLORIDA, AND SUBSEQUENT PURCHASE ORDERS ISSUED AGAINST SAID AWARD SHALL
CONSTITUTE A BINDING, ENFORCEABLE CONTRACT. UNLESS OTHERWISE STIPULATED IN THE BID DOCUMENTS, NO
OTHER CONTRACT DOCUMENTS SHALL BE ISSUED.

I. A. BIDDER CERTIFICATION AND IDENTIFICATION. (SEE INSTRUCTIONS TO BIDDERS, para. I. A.2.)

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person
submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I
agree to abide by all conditions of this bid; and I certify that I am authorized to sign this bid for the bidder.

B. Vendor certifies that it satisfies all necessary legal requirements as an entity to do business with the School Board of
Miami-Dade County, Florida.

II. INDEMNIFICATION

The Bidder shall hold harmless, indemnify and defend the indemnitees (as hereinafter defined) against any claim, action,
loss, damage, injury, liability, cost or expense of whatsoever kind or nature including, but not by way of limitation,
attorney's fees and court costs arising out of bodily injury to persons including death, or damage to tangible property
arising out of or incidental to the performance of this Contract (including goods and services provided thereto) by or
behalf of the Bidder, whether or not due to or caused in part by the negligence or other culpability of the indemnitee,
excluding only the sole negligence or culpability of the indemnitee. The following shall be deemed to be indemnitees: The
School Board of Miami-Dade County, Florida and its members, officers and employees.

III. PERFORMANCE SECURITY. Refer to INSTRUCTIONS TO BIDDERS, para I.A.1., and VI., and check (x) below:

WHEN PERFORMANCE SECURITY IS REQUIRED I WILL FURNISH A:

Performance Bond _____ Check (Cashier's, Certified, or Equal) _____

PLEASE TYPE OR PRINT BELOW

LEGAL NAME OF VENDOR : _____
MAILING ADDRESS : _____
CITY, STATE, ZIP CODE : _____
TELEPHONE NUMBER : _____ FAX # _____
BY: SIGNATURE (ORIGINAL) : _____ DATE _____
OF AUTHORIZED REPRESENTATIVE
NAME (TYPED) : _____ TITLE _____
OF AUTHORIZED REPRESENTATIVE

INSTRUCTIONS TO BIDDERS

CONE OF SILENCE

DEFINITION

A. Cone of Silence" means a prohibition on any communication regarding a particular Request for Proposals (RFP), bid, or other competitive solicitation between:

1. any person who seeks an award therefrom, including a potential vendor or vendor' representative; and
2. any School Board member or the member's staff, the Superintendent, Deputy Superintendent and their respective support staff, or any person appointed by the School Board to evaluate or recommend selection in such procurement process.

The Cone of Silence shall not apply to communication with the School Board Attorney or his or her staff, or with designated school district staff who are not serving on the particular Procurement Committee, to obtain clarification or information concerning the subject solicitation. For purpose of this section, "vendor's representative" means an employee, partner, director, or officer of a potential vendor, or consultant, lobbyist, or actual or potential subcontractor or sub-consultant of a vendor, or any other individual acting through or on behalf of any person seeking an award.

B. A Cone of Silence shall be applicable to each RFP, bid, or other competitive solicitation during the solicitation and review of bid proposals. At the time of issuance of the solicitation, the Superintendent or the Superintendent's designee shall provide public notice of the Cone of Silence. The Superintendent shall include in any advertisement and public solicitation for goods and services a statement disclosing the requirements of this section.

C. The Cone of Silence shall be terminate at the time the Superintendent of Schools submits a written recommendation to award or approve a contract, to reject all bids or responses, or otherwise takes action which ends the solicitation and review process.

D. Nothing contained herein shall prohibit any potential vendor or vendor's representative:

1. from making public representations at duly noticed pre-bid conferences or before duly noticed selection and negotiation committee meetings;
2. from engaging in contract negotiations during any duly noticed public meeting;
3. from making a public presentation to the School Board during any duly noticed public meeting; or
4. from communicating in writing with any school district employee or official for purposes of seeking clarification or additional information, subject to the provisions of the applicable RFP, or bid documents.

The potential vendor or vendor's representative shall file a copy of any written communication with the School Board Clerk who shall make copies available to the public upon request.

E. Nothing contained herein shall prohibit the Procurement Committee's representative from initiating contact with a potential vendor or vendor's representative and subsequent communication related thereto for the purposes of obtaining further clarifying information regarding a response to an RFP, or competitive solicitation. Such contact shall be in writing and shall be provided to the members of the applicable Procurement Committee, including any response thereto.

F. Any violation of this rule shall be investigated by the School Board's Inspector General and may result in any recommendation for award, or any RFP award, or bid award to said potential vendor or vendor's representative being deemed void or voidable. The potential vendor or vendor's representative determined to have violated this rule, shall be subject to debarment. In addition to any other penalty provided by law, violation of this rule by a school district employee shall subject the employee to disciplinary action up to and including dismissal.

MIAMI-DADE COUNTY PUBLIC SCHOOLS

BID PROPOSAL FORM (FORMAT A)

TO: THE SCHOOL BOARD OF MIAMI-DADE COUNTY FLORIDA

BID 133-CC09M/WBE

BUYER O. HOUSER

PAGE

SC 1

CARPET AND FLOOR TILE, SOUTH OF FLAGLER (SUPPLY AND INSTALL)

(ADDENDUM NO. 1)

SPECIAL CONDITIONS

1. **PURPOSE:** The purpose of this bid is to establish a contract, at firm unit prices, for the purchase of estimated requirements, to furnish and install carpet and floor tile in schools and facilities of Miami-Dade County Public Schools. The term of this bid shall be from November 1, 2003, through November 4, 2005, and may, by mutual agreement between Miami-Dade County Public Schools and the successful bidder(s), be extended for two (2) additional one (1) year periods and, if needed, ninety (90) days beyond the expiration date of the current contract period. After the initial Bid period, all subsequent extension periods shall conclude at the end of the business week. Procurement Management Services, may, if considering extending this contract, request a letter of intent to extend from the successful bidder(s), prior to the end of the current contract period. All prices shall be firm for the term of the contract. The successful vendor(s) agrees to this condition by signing its bid.
2. **AWARD:** An award will be made on a total low bid basis, to the lowest responsive and responsible bidder. The Board, at its sole discretion, may limit the number of furnish and install carpet and floor tile contracts awarded to or held by a single bidder or contractor. In the event the contractor is unable to perform, M-DCPS reserves the right, to assign work at the price bid, to the awarded contractor on Bid No. 123-CC09.
3. **DEFAULT:** In the event of default, which may include, but is not limited to non-performance, poor performance, and/or non-compliance with warranty repairs the awardee shall lose eligibility to transact new business with the Board for a period of fourteen (14) months from date of termination of award by the Board.
4. **ASSIGNMENT:** The successful vendor shall not assign, transfer, pledge, or hypothecate any portion of the awarded contract, without prior written consent of M-DCPS.
5. **ESTIMATED QUANTITIES:** The estimated quantities provided in the bid proposal are for bidder's guidance only. No guarantee is expressed or implied, as to quantities that will be used during the contract period. The School Board of Miami-Dade County, Florida is not obligated to place an order for any given amount, subsequent to the award of this bid. Estimates are based upon M-DCPS's actual needs and usage during a previous contractual period, and include an additional ten percent to cover unanticipated increases in requirements.

The School Board of Miami-Dade County, Florida
 Bid No. 133-CC09M/WBE
 Carpet and Floor Tile, South of Flagler Street (Furnish and Install)

BID PROPOSAL FORM (FORMAT B)

Type or print in this box the complete name of the bidder:
Bid No. 133-CC09M/WBE
Title: Carpet and Floor Tile, South of Flagler Street (Furnish and Install)
Buyer: Oretha Houser

PLEASE COMPLETE ALL INFORMATION REQUESTED BELOW

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	ESTIMATED QUANTITY (24 Months)	UNIT	PRICE PER UNIT	MANUFACTURER & MODEL NUMBER
	VENDOR SHALL INDICATE MANUFACTURER'S WARRANTY, IF GREATER THAN TWO YEARS _____				
Addendum	Provide all necessary supervision, labor, material and equipment to furnish and install carpet and floor tile, South of Flagler Street, for the items described below in accordance with M-DCPS specifications, Master Specification Guidelines Sections 09660, 09665, 09682, Special Conditions and insurance requirements.				
Addendum	Item numbers 1 through 41, 41A, 42 through 50, 50A, and 51 through 55 shall be awarded on a total low bid basis. Vendor must bid all items, or vendor will not be considered for award.				
	Group I				
Addendum	Carpeting, furnished and installed, including all routine patching, floor leveling, adhesive, seam sealer, floor preparation and accessories.				
1	Job size less than 250 square yards. Type 6.6 modified polymer fiber.	3,500	Square yard	\$ _____ per sq. yd.	
2	Job size more than 250 square yards. Type 6.6 modified polymer fiber.	3,500	Square yard	\$ _____ per sq. yd.	
3	Treads and risers covered in carpet, measurements to be calculated in square feet with a minimum of 1 square feet per lineal feet.	3,500	Square feet	\$ _____ per sq. ft.	
	Group II				
	Vinyl Composition Tile (VCT) Furnish and install, including all patching, floor accessories, adhesive, leveling, and routine floor preparation.				
4	Job size less than 500 square feet.	20,000	Square feet	\$ _____ per sq. ft.	
5	Job size between 500 square feet and 14,999 square feet.	350,000	Square feet	\$ _____ per sq. ft.	
6	Job size over 15,000 square feet.	105,000	Square feet	\$ _____ per sq. ft.	
7	Treads and risers covered in tile, measurements to be calculated in square feet with a minimum of 1 square foot per lineal foot.	3,500	Square feet	\$ _____ per sq. ft.	

The School Board of Miami-Dade County, Florida
Bid No. 133-CC09M/WBE
Carpet and Floor Tile, South of Flagler Street (Furnish and Install)

BID PROPOSAL FORM (FORMAT B)

Type or print in this box the complete name of the bidder:
Bid No. 133-CC09M/WBE
Title: Carpet and Floor Tile, South of Flagler Street (Furnish and Install)
Buyer: Oretha Houser

PLEASE COMPLETE ALL INFORMATION REQUESTED BELOW

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	ESTIMATED QUANTITY (24 Months)	UNIT	PRICE PER UNIT	MANUFACTURER & MODEL NUMBER
8	ADA compliant non-slip VCT for ramps with a slip coefficient of 0.8. (Armstrong Safeguard, SafetyZone Excelon, or equivalent. Certification of slip coefficient required)	10,000	Square feet	\$ _____ per sq. ft.	
Addendum	Group III Sheet vinyl, general commercial, as specified in the Miami-Dade County Public Schools Master Specification Guidelines, Section 09665. Furnish and install including all routine patching, floor leveling, adhesive, accessories, seaming and floor preparation.				
9	Job size less than 250 square yards.	720	Square yard	\$ _____ per sq. yd.	
10	Job size more than 250 square yards.	1,800	Square yard	\$ _____ per sq. yd.	
	Group IV Provide all labor, material and accessories associated with heat welding seams on Sheet vinyl, General Commercial, as specified in the Miami-Dade County Public Schools Master Specification Guidelines, Section 09665.				
11	Heat weld seams.	3,500	Linear feet		
12	Provide all material and labor associated with the installation of integral (flash) cove base.	3,500	Linear feet		
13	Provide all material and labor associated with the installation of integral (flash) cove base outside corners.	1,400	Per corner		
14	Provide all material and labor associated with the installation of integral (flash) cove base inside corners.	1,400	Per corner		
	Group V Sheet vinyl, Acoustical, as specified in the Miami-Dade County Public Schools Master Specification Guidelines, Section 09665. Furnish and install including all patching, floor leveling, adhesive, accessories, seaming and routine floor preparation.				
15	Job size less than 250 square yards.	700	Square yard	\$ _____ per sq. yd.	

The School Board of Miami-Dade County, Florida
Bid No. 133-CC09M/WBE
Carpet and Floor Tile, South of Flagler Street (Furnish and Install)

BID PROPOSAL FORM (FORMAT B)

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Bid No. 133-CC09M/WBE
Title: Carpet and Floor Tile, South of Flagler Street (Furnish and Install)
Buyer: Oretha Houser

PLEASE COMPLETE ALL INFORMATION REQUESTED BELOW

NAME OF BIDDER:

ITEM	DESCRIPTION OF ITEM	ESTIMATED QUANTITY (24 Months)	UNIT	PRICE PER UNIT	MANUFACTURER & MODEL NUMBER
36	T Mouldings: CPT/TILE	1,750	Linear feet	\$ _____ per ln. ft.	
37	Reducers: Carpet	876	Linear feet	\$ _____ per ln. ft.	
38	Reducers: Floor Tile	876	Linear feet	\$ _____ per ln. ft.	
39	Saddle Trim	3,500	Linear feet	\$ _____ per ln. ft.	
40	Carpet metal	3,500	Linear feet	\$ _____ per ln. ft.	
41	Stair Treads, heavy duty	2,500	Linear feet	\$ _____ per ln. ft.	
41A Addendum	Stair Treads, heavy duty, with a photo luminescent safety strip	1000	Linear feet	\$ _____ per ln. ft.	
42	Stair Risers	3,500	Linear feet	\$ _____ per ln. ft.	
43	Feature Strip	3,500	Linear feet	\$ _____ per ln. ft.	
	Group IX Provide all material and labor associated with the removal of the base, carpet, resilient flooring and any type of adhesive material.				
44	Removal of carpet and adhesive.	70,000	Square yard	\$ _____ per sq. yd.	
45	Removal of resilient flooring and adhesive.	140,000	Square feet	\$ _____ per sq. ft.	
46	Removal of vinyl base and adhesive.	7,000	Linear feet	\$ _____ per ln. ft.	

The School Board of Miami-Dade County, Florida
 Bid No. 133-CC09M/WBE
 Carpet and Floor Tile, South of Flagler Street (Furnish and Install)

BID PROPOSAL FORM (FORMAT B)

PLEASE COMPLETE ALL INFORMATION REQUESTED BELOW

NAME OF BIDDER:

Type or print in this box the complete name of the bidder:
Bid No. 133-CC09M/WBE
Title: Carpet and Floor Tile, South of Flagler Street (Furnish and Install)
Buyer: Oretha Houser

ITEM	DESCRIPTION OF ITEM	ESTIMATED QUANTITY (24 Months)	UNIT	PRICE PER UNIT	MANUFACTURER & MODEL NUMBER
47	Moving of furniture for classroom/cafeteria area, including all labor and equipment. Travel time shall be included in price.	245,000	Square feet	\$ _____ per sq. ft.	
48	Moving of furniture for office area. Moving of furniture including all labor and equipment. Travel time shall be included in price.	175,000	Square feet	\$ _____ per sq. ft.	
49	Moving of furniture for library area. Moving of furniture including all labor and equipment. Travel time shall be included in price.	140,000	Square feet	\$ _____ per sq. ft.	
50	Disassemble, remove, replace and reassemble modular, freestanding partitions and furniture, including all labor and equipment.	20,000	Linear feet	\$ _____ per ln. ft.	
50A Addendum	Electrician, hired by the awardee, shall perform incidental work to disconnect and re-connect electrical partition panels, including all labor and equipment.	100	hour	\$ _____ per hour	
51	20 foot storage container. Price shall be per container per month and include delivery to and removal from job site.	10	Month	\$ _____ per mo.	
52	Overtime at owner's request (installer only)	3,500	Per hour	\$ _____ per hr.	
53	Overtime at owner's request (supervisor only)	700	Per hour	\$ _____ per hr.	
	Group X Provide all equipment, labor and material necessary to install M-DCPS material.				
54	Install M-DCPS supplied carpet	770	Square yards	\$ _____ per sq. yd.	
55	Install M-DCPS supplied VCT	770	Square feet	\$ _____ per sq. ft.	

Bid #123-CC09, Carpet and Floor Tile, North of Flagler (Furnish and Install)
.Bid #133-CC09M/WBE, Carpet and Floor Tile, South of Flagler (Furnish and Install)

vendor shall work during school off-hours, recess periods, or holidays at no additional cost to the Board.

I. Construction Activities:

Upon arrival and departure at the job site, the vendor's personnel shall check in and out with the main office. The vendor shall also coordinate construction activities, including materials delivery as well as trash and/or scrap materials removal, with schools' administrative offices in order to minimize disruption of the educational process.

J. Warranty:

All work performed by the vendor shall be warranted for a minimum period of **two years** after final acceptance. This warranty shall be provided to the Board, in writing, at time of final invoicing. All work, material and hardware shall be free from defects during the entire warranty period. All defective material, improper workmanship, and other substandard conditions documented by M-DCPS within the warranty period shall be corrected by the vendor at no cost to the Board. Unless otherwise specified, warranty repairs shall be considered emergencies, and the vendor shall be required to respond as described in Section 1.04, C, Emergency Response.

K. Performance period:

Individual purchase orders issued under this contract will have specific work performance time lines and completion dates. These time frames will be mutually agreeable and will be strictly adhered to. Failure on the part of the vendor to complete projects within the established performance periods may result in penalties and/or termination of this contract.

L. Inspection and Punchlist:

1. The M-DCPS authorized representative will monitor the vendor using quality assurance procedures established in the work order. However, M-DCPS reserves the right to use other methods to assure compliance with all terms and conditions of the contract. In no event shall M-DCPS' right to inspect be restricted. The vendor is responsible for requesting all required inspections. Vendor shall give two working days notice prior to any inspection request. If the work is not complete when the inspection occurs, the vendor may be held liable for the cost of the inspection.

Bid #123-CC09, Carpet and Floor Tile, North of Flagler (Furnish and Install)
Bid #133-CC09M/WBE, Carpet and Floor Tile, South of Flagler (Furnish and Install)

2. Progress Inspection:

At any time during the execution of projects performed under this contract, the M-DCPS authorized representative may, without notice to the vendor, inspect the work for quality of materials and/or installation. Deficiencies noted shall be corrected by the vendor within a time certain as established by the M-DCPS authorized representative.

3. Final Inspection:

Upon completion of the work, the vendor shall notify the M-DCPS authorized representative, and a final inspection shall be scheduled. Deficiencies noted shall be documented and remedy shall be effected within 30 days of the inspection, unless additional time is required and granted by the M-DCPS authorized representative.

1.05 VENDOR QUALIFICATIONS AND REQUIREMENTS

- A. At the time of the bid opening, and throughout the term of the contract, the successful bidder must be qualified and properly licensed to perform the scope of the work described herein. Bidders must possess a valid occupational license and a Certificate of Competency issued by Miami-Dade County.
- B. Prior to award of this contract, the vendor shall provide a minimum of three letters of reference of similar work performed within the South Florida area within the last three years.
- C. The vendor is required, and shall have the capability, to simultaneously perform all work described herein at multiple locations throughout Miami-Dade County on a timely basis.
- D. It is the responsibility of the vendor to comply with all codes and regulations having jurisdiction for work to be performed under this contract.
- E. Vendor shall assure that no use of any controlled substance including alcohol shall occur on M-DCPS premises as outlined in Board rule 6GX13-4-1.05. A fine of \$500 may be assessed for the first time offense and termination of the contract for the second time offense.
- F. Vendor shall insure that all of its personnel **and subcontractors** engaged in activities encompassed by this term bid are properly qualified, trained and licensed to perform

Bid #123-CC09, Carpet and Floor Tile, North of Flagler (Furnish and Install)
Bid #133-CC09M/WBE, Carpet and Floor Tile, South of Flagler (Furnish and Install)

the work assigned. Vendor may be requested at any time to provide evidence of its employees' and subcontractors' qualifications.

- G. All personnel employed by the vendor, including any subcontractor and subcontractor's employees when applicable, shall display at all times an identification badge which shall include the employee's name, the employer's name and either a physical description or a photograph of the employee. Employees without proper identification shall not be permitted to work on M-DCPS property.
- H. The vendor's employees, subcontractors and its employees, and any other personnel, including materialmen engaged in any activities encompassed by this term bid are strictly forbidden from participating in any manner and form of interaction with students of Miami-Dade County Public Schools. Violation of this provision may result in removal of the individual(s) involved from the school site, the project, and further, the vendor may be prohibited from employing the individual in any future work with M-DCPS performed under this term bid.

1.06 DELAYS AND EXTENSIONS OF TIME:

- A. Completion within the established time frame for each individual project is required. If the vendor is unable to adhere to the established schedule, a Request for Time Extension shall be submitted to the M-DCPS authorized representative, stating the reasons for the request and the amount of time the project is being requested to be extended. The M-DCPS authorized representative will evaluate the request to determine if the reasons for the request are due to circumstances beyond the vendor's control, and, if such is the determination, will also decide, and adjust if necessary, the length of the time extension to be granted. Approval of extensions will not be automatic.
- B. Should any project fall behind schedule as established in the individual project purchase order, or pursuant to Section 1.04, (L), Inspection and Punchlist, the M-DCPS authorized representative may direct the vendor to accelerate the remaining work in order to bring the project into compliance with the schedule.
- C. If the vendor is unable to bring the project into compliance with the approved schedule, then M-DCPS may implement the provisions of Section 1.04 (F), Termination and Remedy of this contract, and/or may seek liquidated damages pursuant to the schedule below. By accepting this contract, the vendor consents and agrees that it is not necessary for the Board to prove monetary loss in order to assess liquidated damages.

SCHEDULE FOR LIQUIDATED DAMAGES

SECTION 09660

RESILIENT TILE FLOORING

PART 1 GENERAL

1.01 SUMMARY

A. Related Sections:

1. 03300 - Cast-In-Place Concrete.
2. 09665 - Sheet Vinyl Floor System.
3. 08710 - Finish Hardware.
4. 15421 - Drains and Cleanouts.
5. 16132 - Floor Boxes.

1.02 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. E84-96a Test Method for Surface Burning Characteristics of Building Materials.
2. E648-97 Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
3. E662-95 Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
4. F710-92 Standard Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring.
5. F1066-95a Standard Specification for Vinyl Composition Floor Tile, except Section 5 - Materials and Manufacture.

1.03 SUBMITTALS

- A. Submit properly identified product data, including installation instructions before starting work.
- B. Samples: Submit manufacturer's standard size samples of each type, color, and finish of resilient flooring and required accessories including full range of flooring color and pattern variations available from proposed manufacturer.
- C. Manufacture's Safety Data Sheet (MSDS) for adhesive.

Project Name
Project No.

M-DCPS MASTER
SPECIFICATION GUIDELINES

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- D. Quality Control Submittals: Provide manufacturer's printed document indicating compliance to slip-resistant coefficient requirements.
- E. Maintenance Instructions: Submit manufacturer's written instructions for recommended maintenance practices for installed resilient flooring to include:
 - 1. Schedule: Frequency and type of maintenance defined.
 - 2. Equipment: Equipment and tools specified by generic language or manufacturer's name.
 - 3. Materials: Chemicals required to maintain flooring by brand name, quantities, and proper solutions.

1.04 QUALITY ASSURANCE

A. Regulatory Requirements:

- 1. Resilient flooring systems shall comply with the minimum slip-resistant coefficients of:
 - a. 0.5 - For leveled floors such as, but not limited to, cafeterias.
 - b. 0.6 - For accessible routes such as, but not limited to, interior corridors.
 - c. 0.8 - For inclined floors such as, but not limited to, ramps.
- 2. Non-compliance of slip-resistant coefficient factor will be grounds for removal and disposal of installed flooring system, properly preparing the floor substrate and installation of required slip-resistant flooring system at no expense to the Board.

B. Taber Abrasionmeter Testing:

- 1. The weight loss of each tile shall average no more than 0.60 grams when ten tiles are abraded with aluminum oxide grit and a S-39 leather wheel for 2000 cycles according to ASTM F510-81.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in manufacturer's unopened original dry packaging, with tags and labels intact.
- B. Provide equipment and personnel to handle materials to

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prevent damage from dropping, careless storage, and handling.

- C. Store material in weather protected space with temperature between 65 and 90 degrees F.

1.06 SITE CONDITIONS

- A. Maintain room and material temperature between 65 degrees F. and 90 degrees F. for at least 48 hours before, during, and 48 hours after installation. Maintain a minimum 65 degrees F. thereafter. Painting shall be completed, air-conditioning operational, and exterior thresholds installed.

1.07 WARRANTY

- A. Furnish manufacturer's standard warranty covering manufacturing defects for a period of 2 years.
- B. Installer shall warrant in writing to correct conditions due to faulty installation or replace defective materials after project completion, including any loss of adhesion to the substrate to the satisfaction of the Board.

PART 2 PRODUCTS

NOTE TO SPECIFIER: Verify the color selection/patterns of the following manufacturers to match M-DCPS accepted color board and edit to suit requirements.

2.01 MATERIALS

- A. Vinyl Composition Tile (VCT):
 - 1. Manufacturers:
 - a. Standard Excelon by Armstrong, Lancaster, PA.
 - b. Flex-thru by Flextile, Toronto, Ontario.
 - c. Essentials by Mannington, Salem, NJ.
 - d. Expressions by Tarkett, Parsippany, NJ.
 - 2. 12 inches x 12 inches x 1/8", marbleized pattern, composed of resin binder, fillers, and pigments.

- a. The marbled pattern on the surface of the tile shall be dispersed uniformly throughout the thickness of the tile to the back of the tile without significant change.

NOTE TO SPECIFIER: In the following paragraphs, insert color selection/patterns of tiles and bases of manufacturers as on the M-DCPS accepted colorboard and indicate either in the Drawings or this specification the location of each type.

3. Color and Pattern:

- a. As shown on the drawings, colors/patterns shall be _____ by _____, or accepted equivalent, as selected by A/E from the manufacturer's standard color selection for the specified product.
- b. Colors and patterns shall be judged accepted equivalent, as determined by the A/E, to those preselected or above specified patterns and colors by the manufacturers as specified.

4. Tile shall comply with:

- a. American Society for Testing and Materials (ASTM):
 - 1) E648 Critical Radiant Flux (CRF) of not less than 0.45 watts per square centimeter.
 - 2) E662 Smoke density not more than 450.

B. Resilient Accessories:

1. At Walls:

- a. 1/8" thick, 4 or 6 inches high rubber with cove profile.
- b. As shown on the drawings, colors shall be _____ by _____ or accepted equivalent.
- c. Colors shall be judged equivalent, as determined by the A/E, to those preselected or above specified colors.
- d. At all corners, provide inside/outside corners as applicable to the specific corner. Extend 4 inches minimum beyond corner.
- e. Premolded corners are not allowed.

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2. At Stair Treads: VCT. As shown on the drawings, colors shall be _____ by _____ or accepted equivalent.
3. Stair Nosings: See Section 05500 Metal fabrications.
4. Colors and patterns shall be judged equal equivalent, as determined by the A/E, to those preselected or above specified colors and patterns.
5. Manufacturers:
 - a. Armstrong.
 - b. Flexco.
 - c. Johnsonite.
 - d. Burke Mercer.
 - e. R.C.A. Rubber.
 - f. Roppe.

C. Accessories:

1. Metal transition (edge) thresholds, Pemko #173A, Pemko #174C, or accepted equivalent.
2. Tile Adhesive: Non-toxic, waterproof, stabilized type as recommended by resilient tile flooring manufacturer, complying with EPA requirements.

NOTE TO SPECIFIER: Interlocking rubber flooring is laid loose over sealed concrete floor slabs, at high school locations according to program requirements, to allow removal and cleaning.

D. Interlocking Rubber Flooring:

1. 24 inch x 24 inch x 9/16" cut resistant rubber, with border and corner tiles.
2. Colors as accepted by A/E.
3. Hid-N-Lock by Pawling Corp. or accepted equivalent.

PART 3 EXECUTION

3.01 INSPECTION

- A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion off the work have been corrected in an acceptable manner.

3.02 PREPARATION

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- A. Comply with ASTM F710, manufacturer's recommendations, and as specified for surface preparation.
- B. Concrete shall be smooth and level, with maximum surface variations not exceeding 1/8" in a 10 foot radius. Grind down ridges and other irregularities.
- C. Fill cracks, holes, and depressions with cementitious based or white premixed latex underlayment as recommended by the flooring manufacturer. Latex and powder shall be from the same manufacturer and as recommended by the manufacturer.
- D. Seal concrete slabs to receive interlocking rubber flooring.
- E. Remove paint, oils, bond breakers, waxes, and sealers from surface. Inorganic solvents are not to be used.
- F. Moisture Tests:
 - 1. Determine whether the concrete slab is adequately dry for resilient flooring installation.
 - 2. Test concrete slabs in new construction or existing slabs on grade for manufacturer's allowable moisture content by one of the following:
 - a. The protimeter electrical conductivity survey master moisture test instrument.
 - b. Calcium chloride test.

3.03 INSTALLATION

- A. Lay resilient flooring with adhesive cement according to manufacturer's recommendations with (linear) (basketweave) tile layout.
- B. Lay interlocking rubber flooring over sealed concrete floor without adhesives.
- C. Layout:
 - 1. Butt tightly to vertical surfaces, thresholds, nosings, and edges.
 - 2. Scribe, as necessary, around obstructions to produce neat joints, laid tight, even, and straight.
 - 3. Extend flooring into toe spaces, door reveals, into closets, and similar openings.

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4. Install border tiles next to walls of not less than one half tile and of approximately equal size around the perimeter of the room.
- D. Fill surface imperfections such as cracks, depressions, or rough areas with underlayment.
1. Provide ventilation in areas where adhesive is being used. When natural ventilation is inadequate, use safety-spark-proof fans and prohibit smoking.
- E. Transition (Edge) Strips:
1. Install metal transition (edge) thresholds with concrete screws at 6 inches o.c. wherever exposed edges of resilient flooring materials occur, Pemko #173A, Pemko #174C, or accepted equivalent.
 2. Where resilient flooring stops at doorways, set transition thresholds directly under the door in its closed position.
- 3.04 CLEANING AND PROTECTION
- A. Remove excess adhesive and other soilings from floors and adjacent surfaces, using neutral type cleaners as recommended by resilient flooring manufacturer.
1. Do not use acids or other caustic solutions as cleaning agents.
- B. Clean and apply 3 coats of M-DCPS approved liquid wax floor finish to VCT according to wax manufacturer's printed instructions.
- C. Before allowing traffic, protect installed flooring from damage by covering with clean, heavy duty building paper from time of cleaning until all work in the area is complete.

END OF SECTION

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SECTION 09665

SHEET VINYL FLOORING

PART 1 GENERAL

1.01 SUMMARY

A. Related Section:

1. 03300 - Cast-In-Place Concrete.
2. 09561 - Hardwood Strip Flooring System.

1.02 REFERENCES

- A. ASTM F710-92 Standard Practice for Preparing Concrete Floors and Other Monolithic Floors to Receive Resilient Flooring.

1.03 SUBMITTALS

- A. Manufacturer's catalog cuts, product data, and installation instructions.
- B. Samples: Submit heat weld colors and 3 inch x 6 inch samples of material for review to the A/E for pattern and color selection.
- C. Manufacture's Safety Data Sheet (MSDS) for adhesive.
- D. Quality Control Submittals:
1. Submit manufacturer's statement of approval of floor system installer.
 2. Submit manufacturer's printed document indicating compliance to slip-resistant coefficient requirements.
- E. Seaming diagram for heat welds.

1.04 QUALITY ASSURANCE

- A. Qualifications: Installers of the sheet vinyl flooring system shall be certified by the sheet vinyl flooring system manufacturer as an approved installer of their products.
- B. Regulatory Requirements:

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1. Resilient flooring systems shall comply with the minimum slip-resistant coefficient of:
 - a. 0.5 - for leveled floors such as, but not limited to, cafeterias.
 - b. 0.6 - for accessible routes such as, but not limited to, interior corridors.
 - c. 0.8 - for inclined floors such as, but not limited to, ramps.
2. Non-compliance of slip-resistant coefficient factor will be grounds for removal and disposal of installed flooring system, and the proper preparation of the floor substrate and installation of flooring system meeting required slip-resistant coefficient requirements at no expense to the Board.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store material in weather protected space with temperatures between 65 and 90 degrees F.

1.06 SITE CONDITIONS

- A. Maintain room temperature between 65 and 90 degrees F. for at least 48 hours before, during, and 48 hours after installation. Maintain a minimum 55 degrees F. thereafter.

1.07 WARRANTY

- A. Furnish manufacturer's standard warranty covering manufacturing defects for a period of 1 year.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Sheet Vinyl Flooring;
 1. Armstrong, Inc.
 2. Mannington, Inc.
 3. Multitones, Marleyflor Plus, and HD Acoustics by Marley, Richmond, VA.
 4. Tarkett.

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B. Dance Sheet Vinyl Flooring:

- 1. American Harlequin Corporation, Moorestown, NJ.
- 2. Choice Floors, Philadelphia, PA.

C. Slip Resistant Sheet Vinyl Flooring:

- 1. Impressionist II, Designer 25, Stronghold 35, and Marine 20 by Altro, Nazareth, PA.
- 2. Assurance by Mannington.

D. Resilient Rubber Wall Base:

- 1. Armstrong.
- 2. Flexco.
- 3. Mercer.
- 4. Roppe.

2.02 MATERIALS

A. Sheet Vinyl:

NOTE TO SPECIFIER: If the General Commercial, Acoustical, and Slip Resistant sheet vinyl are used, then indicate either in the Drawings or this specification the location of each type.

- 1. Sheet Vinyl, General Commercial: Homogeneous PVC construction, minimum 0.080" thick, non-asbestos.
- 2. Sheet Vinyl, Acoustical: Homogeneous PVC wear layer with open cell foam interlayer and stabilizing backing construction, minimum 0.060" thick, non-asbestos.
- 3. Sheet Vinyl, Slip Resistant: Homogeneous PVC construction, minimum 0.080" thick, non-asbestos.

NOTE TO SPECIFIER: In the following paragraphs, insert color selection/patterns and bases of manufacturers as on the M-DCPS accepted colorboard and indicate either in the Drawings or this specification the location of each type.

4. Color and Pattern:

- a. As shown on the drawings, colors and patterns shall be _____ by _____, or accepted equivalent, as selected by A/E from the

manufacturer's standard color selection for the specified product.

- b. Colors and patterns shall be judged equivalent, as determined by the A/E, to those preselected or above specified colors and patterns by the manufacturers as specified.

B. Dance Sheet Vinyl Flooring.

- 1. Color: Grey
- 2. Manufacturers:

- a. Harlequin Studio by American Harlequin.
- b. Roscoe Royale by Choice Floors.

C. Rubber Base:

- 1. 1/8" thick, 4 or 6 inches high rubber with cove profile.
- 2. As shown on the drawings, colors shall be _____ by _____ or accepted equivalent.
- 3. Colors shall be judged equivalent, as determined by the A/E, to those preselected or above specified colors.
- 4. At all corners, provide inside/outside corners as applicable to the specific corner. Extend 4 inches minimum beyond corner.
- 5. Premolded corners are not allowed.

- D. Adhesive: Non-toxic as recommended by sheet vinyl flooring manufacturer, complying with EPA requirements.

PART 3 EXECUTION

3.01 INSPECTION

- A. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion of the work have been corrected in an acceptable manner.

3.02 INSTALLATION

- A. Comply with ASTM F710, manufacturer's recommendations, and as specified for surface preparation.
- B. Area to receive sheet vinyl floor covering shall be

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weathertight, with room temperature not less than 65 degrees F., adequately lighted and the work of other trade shall be complete.

- C. Concrete shall be smooth and level, with maximum surface variations not exceeding 1/8" in a 10 foot radius. Grind down ridges and other irregularities.
- D. Fill cracks, holes, and depressions with cementitious based or white premixed latex underlayment as recommended by the flooring manufacturer. Latex and powder shall be from the same manufacturer and as recommended by the manufacturer.
- E. Moisture Tests:
 - 1. Determine whether the concrete slab is adequately dry for flooring installation.
 - 2. Test concrete slabs in new construction or existing slabs on grade for manufacturer's allowable moisture content by one of the following:
 - a. The protimeter electrical conductivity survey master moisture test instrument.
 - b. Calcium chloride test.
- F. Substrates: Dry, smooth, level, and clean of dirt and other foreign matter.
 - 1. Do not coat substrate surfaces with any type of membrane or curing compound.
 - 2. Level high spots in substrate by grinding or sanding, fill low spots or areas only with latex type powder and liquid underlayments.
- G. Plan sheet floor layout to minimize the number and total length of seams. Seams shall be placed in inconspicuous locations, out of the path of heavy foot traffic.
- H. Install sheet vinyl floor covering according to the manufacturer's installation instructions using manufacturer's recommended adhesive. Seams shall be heat welded.
- I. Lay dance sheet vinyl flooring without adhesives and tape joints using manufacturer's recommended tape.

3.03 CLEANING AND PROTECTION

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- A. Remove excess adhesive and other soilings from floors and adjacent surfaces using neutral type cleaners as recommended by sheet vinyl floor manufacturer.
 - 1. Do not use acids or other caustic solutions as cleaning agents.
 - 2. Sheet Vinyl: Clean according to manufacturer's instructions and apply 3 coats of M-DCPS approved liquid wax floor finish.
 - 3. Dance Floor Sheet Vinyl Flooring: Clean according to manufacturer's instructions.

- B. Before allowing traffic, protect installed flooring from damage by covering with clean, heavy duty building paper from time of cleaning until all work in the area is complete.

END OF SECTION

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SECTION 09682

CARPET

PART 1 GENERAL

1.01 SUMMARY:

A. Section Includes:

1. Provisions for glue-down, tufted, solution dyed, inorganic carpet with a unitary latex backing.
2. Provisions for manufacturer and installer qualifications and certification requirements.

B. Products installed but not furnished under this section:

1. Miscellaneous floor mounted hardware and trim.
2. Plumbing floor cover plates with recess for carpet.
3. Electrical and telephone floor cover plates with recess for carpet.

C. Related Sections:

1. 03300 - Cast-In-Place Concrete.

1.02 REFERENCES

- A. Florida Department of Education, Office of Educational Facilities - State Requirements for Educational Facilities 1999 (SREF).
- B. Florida School Plant Management Association Carpet Specifications for Educational Facilities Use:
 1. Specification MC-1A.1. - 28 Ounce Tufted, Yarn or Solution Dyed Nylon Carpet.
- C. Florida Department of Agriculture and Consumer Services (DOA), Consumer Products Laboratory: Certified Carpet Products.
- D. National Fire Protection Association: NFPA 258.1994.
- E. Federal Flammability Standard CPSC FF I-70.
- F. American Society for Testing and Materials (ASTM):

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1. D418-93 Test Methods for Testing Pile Yarn Floor Covering Construction.
2. D1335-72 Test Method for Tuft Bind of Pile Floor Coverings
3. D2859-96 Test Method for Flammability of Finished Textile Floor Covering Materials.
4. E648-97 Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
5. E662-95 Test Method for Specific Optical Density of Smoke Generated by Solid Materials.

G. American Association of Textile Colorists and Chemists (AATCC).

1. 16E
2. 20
3. 30-89 Anti-Fungal Activity Assessment on Textile Materials; Mildew and Rot Resistance of Textile Materials.
4. 100-89 Assessment of Anti-Bacterial Finishes on Textile Materials.
5. 134-91 Electrostatic Propensity of Carpets.
6. 165-88 Colorfastness to Crocking: Carpets - AATCC Crockmeter Method.

1.03 SUBMITTALS

A. Product Data:

1. Carpets: Provide installation, maintenance, and cleaning instructions as recommended by both carpet and fiber manufacturers.
2. Rubber Base: Manufacturer's recommended adhesive and adhesive application method.
3. Adhesives for Carpet and Base: Carpet and base manufacturer's recommended adhesive and application method for carpet and base. Provide Manufacturer's Safety Data Sheet (MSDS) for each item.
4. Accessories: Manufacturer's technical information for all carpet accessories, fillers, and other floor preparation materials. Describe physical and performance characteristics, sizes, patterns, color availability, and method of installation.

B. Shop Drawings:

1. Dimensions of carpeted areas.

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2. Pattern direction and layout. Note any additional colors.
3. Location of edge strips and seams.

C. Samples:

1. Carpet: Furnish two 13-1/2" x 18" or one 18" x 27" sections of each color and pattern.
2. Identify each sample with the name of the manufacturer and full specification data.
3. Two 3 inch long, minimum, sample of each type of exposed edge stripping and accessory items.
4. Rubber Base: 3 inch long sample of each type and color.
5. Wood Base: 12 inch long sample of each type.

D. Quality Control Submittals:

1. Test Reports: Submit flammability test reports from an independent laboratory, for each type of carpet as required by SREF - Finishes, Floors.
2. Test Sample: Provide the Board a size as required of carpet proposed for installation for testing for conformance to these specifications.

E. Contract Closeout Submittals:

1. Submit a complete and clear maintenance description prepared and submitted by the carpet manufacturer.
 - a. Schedule: Frequency of each cleaning activity to be performed.
 - b. Equipment: Each type of equipment and tools included in the total carpet maintenance program specified in generic language or by manufacturer name.
 - c. Identify by brand name, source, quantities, and proper solutions, every material and chemical required to properly maintain the carpet.

1.04 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer: Company specializing in the manufacture of carpeting, with 10 years minimum satisfactory experience.
2. Applicator: Company specializing in the installation of carpeting, with 5 years minimum satisfactory experience,

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completing at least 5 projects of similar size and complexity, and approved and certified by the carpet manufacturer.

- B. Certificates: Manufacturer's certified statement stating the carpets and materials supplied meet or exceed these requirements.
- C. Yarn Lubricants: Not to exceed 2.0 percent as defined by HUD Building Products Standards and Certification Program for Carpet UM 44C, Table 6 - Yarn and Fiber Requirements.
- D. Regulatory Requirements: Carpeting manufacturer's products shall have been tested and certified by the Florida Department of Agriculture and Consumer Services, Consumer Products Laboratory or by a M-DCPS accepted independent laboratory for compliance with Florida School Plant Management Association Carpet Specifications for Educational Facilities Use, No.MC-1A.1 of the latest issue and meeting or exceeding the performance requirements specified in this section.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in manufacturer's unopened original dry containers, with all tags and labels intact and legible. Immediately inspect for and note any damage on the bill of lading, for indemnity and timely reordering of products as necessary.
- B. Provide equipment and personnel to handle materials and product assemblies to prevent damage from dropping, careless storage, and handling.
- C. Store materials above grade, on proper dunnage, fully protected from damage by other work and the elements until in place, within manufacturer's recommended temperature range.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements: Comply with referenced standards and manufacturer's printed recommendations. Maintain environmental conditions and protect work during and after installation. Environmental conditions are:
 - 1. Store materials for 24 hours before installation in area of installation to achieve temperature stability.

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2. Maintain at least 70 degrees F. ambient temperature 3 days before, during, and for 24 hours after installation.
3. Maintain at least 50 degrees F. ambient temperature after first 24-hour period.

1.07 WARRANTY

- A. Extend the General Conditions to require a 2 year written warranty.
- B. Provide written 10 year warranty from the carpet manufacturer against surface pile wear exceeding 10 percent in any given area.
- C. Static Electricity: Life-of-the-product guarantee for the carpet to maintain static below 3.5 kv @ 70 degrees F. and 20 percent relative humidity.
- D. Adjustment: During guarantee period and within 15 days written notice, reset, and repair any areas of faulty manual skill.
- E. Color Fastness: In any given area, normal exposure to light will not cause a significant change in color for 10 years and exposure to normal atmospheric contaminants will not cause a significant change in color for 5 years.
- F. Construction: In any given area, the backing structure will not delaminate from the face structure nor will there be any shrinkage affecting performance of the face and backing structure for 10 years.

NOTE TO SPECIFIER: Maintenance stock will be stored at the project site if space allows it. Coordinate with the school principal for allocation of carpet stock storage space. If space is not allocated, delete paragraph 1.08.

1.08 MAINTENANCE

- A. After completion of work, deliver not less than 2 percent of each type, color, and pattern of carpeting, exclusive of materials required to properly complete installation. Furnish replacement materials from same production run as materials installed. Package replacement materials with protective covering.

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- B. Clearly identify each carton or roll.
- C. Package carpet in securely fastened, waterproof wrappings and clearly identify type of carpet, building location installed, and deliver to project site.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Carpets: The following carpet manufacturers are selected from the February 1998 DOA Carpet Certified Products List. Carpets used in the Board's projects must be certified by DOA or tested by a M-DCPS accepted independent laboratory and meet the minimum requirements established in paragraph 2.02 of this section. The Board will not consider any product not tested by DOA or by a M-DCPS accepted independent laboratory and will not consider any product not in compliance with the standards established as specified in this section.

- 1. Dimension Carpet: Varsity.
- 2. J & J Industries, Inc.: Diploma on Tufloc.
- 3. Mohawk Commercial Carpet: Performer 28 LB.
- 4. Mohawk Commercial Carpet: Edifice 28 Lockback.
- 5. Philadelphia Carpet (Shaw Industries): Vocation 28 Unitary.
- 6. Patcraft Carpet: Homeroom 28.
- 7. Stratton Carpet (Shaw Industries): Synergy 28 Unitary.
- 8. Stratton Carpet (Shaw Industries): Online 28 Unitary.
- 9. Stratton Carpet (Shaw Industries): Potential 28 Unitary.

- B. Carpet Fibers: 100 percent branded, federally registered trademark.

- C. Rubber Wall Base:

- 1. Manufacturers:
 - a. Armstrong.
 - b. Flexco.
 - c. Johnsonite.
 - d. Mercer.
 - e. Roppe.

- D. Carpet Edge Guard - metal:

- 1. National Guard No.1417.

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2. Pemko No.174C.

E. Saddle Threshold:

1. Ames, No.A-366-A (2-1/2" wide).
2. National Guard, No.410 (2-1/2" wide).
3. Pemko, No.173A, (2-1/4" wide).

2.02 MATERIALS:

A. MC-1A.1 Classification Requirements:

DF1: 1,3.

Certified for glue down applications for classroom/assembly and egress.

DF2: 12.

Unitary backing, 100 percent synthetic material, resistant to mildew, decomposition, shrinkage, and supporting odor. Organic materials shall not be used.

DF4: 1/8 or 1/10.

Binding sites in width with gage according to ASTM D418.

DF5: M-P.

Multi-ply pile or comingled fiber/yarn ply.

DF6:

Pile fiber of 100 percent branded soil hiding and static resistant advanced generation continuous filament nylon, hollow or solid core, and shall not have been reclaimed from any textile fabric.

DF7: Yes.

Permanent static resistance with a peak electrostatic charge generated of 3.5 Kv maximum, when tested according to the AATCC 134.

DF8: 28.0 (minimum).

Finished pile fiber weight in ounces per yard square

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yard according to ASTM D418.

DF9: 0.195 (maximum).

Finished pile thickness in inches according to ASTM D418.

DF10: 20.0 (minimum).

Average tuft bind in pounds according to ASTM D1335.

DF11: 0.45 (minimum).

A critical radiant flux of watts per sq.cm., when tested according to ASTM E648 for carpets in means of egress.

DF12: 3.0 (maximum).

Static control with an electrostatic charge generation (KV) when tested according to AATCC Method 134.

B. Carpet Construction and Performance Requirements:

1. Flammability:

- a. Carpets in All Areas: Compliance with Federal Flammability Standards CPSC FF 1-70, when tested according to ASTM D2859.
- b. Compliance with SREF.

- 2. Description: Tufted, level loop, domestic manufacturer, inorganic.
- 3. Stitch Rate: 7 per inch (64 tufts per square inch minimum).
- 4. Dye Method: Solution dye.
- 5. Total Weight: Not less than 60 ounces/square yard.
- 6. Weight Density Factor: Not less than 125,000.
- 7. Colorfastness:

- a. To light: A color contrast between the exposed and unexposed carpet areas equivalent to a minimum of Step 4 on the Gray Scale for color change after an exposure of 60 AFU (AATCC fading units) for all colors when tested as specified in AATCC 165.
- b. Label meeting the federal labeling requirements, as stated in the Textile Products Identification Act under the Federal Trade Commission, shall be attached to the Department of Education

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Certification sample and the product delivered to the purchaser.

- 1) The manufacturer is required to put all information as to the country of origin, fiber content, manufacturer's name, or RN number on a label or tag attached to a conspicuous location on the outside of the carpet.
- 2) This information should be set forth consecutively and separately, in type or lettering plainly legible and of equal size.

8. Smoke Density: Meeting optical density of 450 (maximum) or less flaming when tested according to ASTM E662.

NOTE TO SPECIFIER: As indicated in the following paragraph, insert carpet colors and manufacturers as on the M-DCPS accepted colorboard.

9. Color and Pattern:

- a. As indicated on the drawings, colors and patterns shall be _____ by _____ or accepted equivalent.
- b. Colors and patterns shall be judged equivalent, as determined by the A/E, to those preselected or above specified colors and patterns.

2.03 ACCESSORIES

A. Subfloor Filler:

1. Fill cracks, holes, and depressions with cementitious based or white premixed latex underlayment as recommended by the carpet manufacturer. Latex and powder shall be from the same manufacturer and as recommended by the manufacturer.

B. Adhesive:

1. Non-toxic, premium, solvent free, latex-based water resistant, according to the overall requirements of flammability rating for the carpeting installation and specific published recommendations by manufacturer for the intended use.
2. Manufacturers:

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- a. Parchem: Magnum Bond Plus.
 - b. Mapei: 220.
 - c. Bigelow: Broadlock.
- C. Seaming Cement: For synthetic-backed carpet of type recommended by the carpet manufacturer for sealing seams and butting cut edges of carpet backing (and bottom of face pile) at seams, to secure chemically welded seams, and eliminate pile loss at seams.
- D. Spreader: According to manufacturer's recommendations.
- E. Saddle Threshold: Single length piece, either 2-1/4" or 2-1/2" wide, hammered saddle threshold at all doors. Use of both widths for the project is not allowed.

NOTE TO SPECIFIER: As indicated in the following paragraph, insert base color and manufacturer as on the M-DCPS accepted colorboard.

- F. Rubber Base:
- 1. 1/8" thick, 4 or 6 inches high rubber with cove profile.
 - 2. As shown on the drawings, colors shall be _____ by _____ or accepted equivalent.
 - 3. Colors shall be judged equivalent, as determined by the A/E, to those preselected or above specified colors.
 - 4. At all corners, provide inside/outside corners as applicable to the specific corner. Extend 4 inches minimum beyond corner.
 - 5. Premolded corners are not allowed.
- G. Adhesive: Non-toxic as recommended by sheet vinyl flooring manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces scheduled to receive carpet and bases for:
- 1. Holes, debris, or other defects that will adversely affect the execution and quality of work.
 - 2. Deviations beyond allowable tolerances for carpet or base.
 - 3. Verify concrete floors are dry to a maximum moisture

content of 7 percent and exhibit negative alkalinity, carbonization, or dusting.

B. Conditions and Surfaces:

1. The floor shall be smooth and flat with maximum variation not to exceed 1/8" in a 10 foot radius and that there are no surface deviations of more than 1/16" per linear foot in any direction. Projecting objects shall be removed and holes filled. Floor shall be clean, dry, and free of any deleterious material capable of preventing bond.
2. Install carpet within allowable temperature range as stated by manufacturer in installation directive.

- C. Do not proceed with the work until unsatisfactory conditions are corrected. Notify the Board, in writing, of conditions detrimental to the proper completion of the work.

3.02 PREPARATION

- A. Remove subfloor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with subfloor filler. Grind concrete to remove ridges, lumps, and other deviations above the flat floor.
- B. Apply trowel and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.
- C. Vacuum clean substrate.
 1. Ensure that dust, loose material, grease, oil, bond breakers, and other foreign substances are removed from substrate.
 2. Concrete floors shall have dust thoroughly removed by sweeping and wet mopping.
- D. Environmental Conditions: Maintain temperature and other environmental factors as previously specified before, during, and after installation.
- E. Material Pre-Conditioning: Maintain carpet materials and adhesives at minimum 70 degrees F. for 72 hours minimum before use. Materials shall be climatized before installation.

3.03 INSTALLATION

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- A. Supply all materials, including those specified and required to properly install the carpeting. Use of adhesives shall be according to manufacturer's recommendations or according to authorization from the Board.
- B. Verify carpet match before cutting to ensure minimal variation between dye lots.
- C. Trim and scribe carpet to allow intended seam and pattern match. Make cuts straight, true, and unfrayed.
- D. Seams: Locate seams in areas of least traffic. Form seams straight, not overlapped or peaked, and free of gaps.
- E. Lay carpet tight and flat on subfloor and well secured at edges with uniform appearance. Provide monolithic color, pattern, and texture match within any one area.
- F. Do not change run of pile in any room where carpet is continuous through a wall opening into another room. Locate change of color or pattern between rooms under door centerline.
- G. Carpet Adhesive: According to manufacturer's instructions and installation directives. The free-lay method of installation is not allowed.
 - 1. Apply required adhesive according to adhesive manufacturer's instructions.
 - 2. Use notched trowels to achieve a spread of 10 square yards per gallon.
 - 3. Apply adhesive uniformly:
 - a. Provide full spread adhesion system.
 - b. Do not soil walls, bases, or adjacent areas.
 - c. Promptly remove spillage.
 - d. Clean applicators and rework patches to assure even spread.
 - e. Install edge strips, stair trim, and other moldings following manufacturer's instructions.
- H. Follow carpet, rubber base, and accessories manufacturer's instructions unless otherwise instructed by the Board.
- I. Install carpet according to pattern and color diagrams.

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- J. Install with pile inclination in one direction and pattern as indicated on approved shop drawings.
- K. Cut and fit carpet neatly into breaks and recesses, against bases, permanent cabinets, equipment, and around interruptions.
- L. Lay entire carpet installation tight and flat to the substrate, roll with a minimum 100 pound roller, with carpet well fastened at edges. Ensure monolithic color, pattern, and texture match within any one area.
- M. Bind cut edges where not concealed by edge strips.
- N. Fit carpet tight to intersection with vertical surfaces without gaps.
- O. Where wall bases are scheduled, cut carpet tight to walls. Fit carpet tight to vertical interruptions, leaving no gaps.
- P. Install carpet edge guard at every location where edge of carpet is exposed to traffic with an integral carpet binder bar, except where another device such as a threshold is shown.
- Q. Install carpet thresholds, edge guards, or separators under doors in the closed position.
 - 1. Use appropriate concrete screws for anchoring saddle trim metal.
- R. Install edging strips where carpet terminates at other floor coverings. Use full length pieces only. Butt tight to vertical surfaces.
- S. Stairway Carpeting: Install in a method that is durable and safe for heavy foot traffic. Conceal edges and avoid placing seams in areas of high wear. Match adjoining carpet installation.
- T. Existing Rubber or Wood Base:
 - 1. Remove and replace existing rubber base with new rubber wall base.
 - 2. Remove existing shoe mold and replace with new shoe mold. All new wood will be painted.
 - 3. Rubber Base: Do not use pre-molded inside/outside corner

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bases. Gouge inside/outside corners using a topset gouge cutter similar to Crain Cutter No.532.

U. Install:

1. Carpet saddles.
2. Joiners.
3. Transitions.
4. Electrical, mechanical, and other cover plates.
5. Thresholds.
6. Other flooring accessories according to the respective manufacturer's instructions.

3.04 FIELD QUALITY CONTROL

- A. Delivered carpet suspected as substandard or in noncompliance with the specifications will be tested by the Board.
- B. During installation, the Board will select, at random, a one-yard square sample of carpet being used in the construction of this project for testing by the Board for conformance to these specifications.
- C. Carpet not meeting these specifications will be rejected and shall be replaced at no cost to the Board.
- D. Test Expense:
 1. Retesting required as result of unsatisfactory tests shall be at the Contractor's expense.
 2. Test samples will be transmitted by the Board to:

Florida Department of Agriculture and Consumer Services
Consumer Products Laboratory
3125 Conner Blvd.
Tallahassee, FL 32399-1650

3.05 ADJUSTING AND CLEANING

- A. Remove, as recommended by the carpet manufacturer, spots and smears of adhesive from carpet surface with cleaning agent without damage to floor, base, and wall surfaces.
- B. Remove rubbish, wrapping papers, and unnecessary cartons.
- C. Upon completion, vacuum with a commercial beater-bar or commercial pile-lifter type vacuum cleaner.

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- D. After each area of carpet has been installed, protect from soiling and damage during construction period.
- E. Dispose of carpet remnants, adhesive containers, packaging materials, and other related refuse off site. Do not use the Board's dumpsters for disposal of items related to carpet or its installation.

3.06 PROTECTION BY GENERAL CONTRACTOR

- A. Fully protect the carpets until time of project completion, according to the manufacturer's published instructions.
- B. Cover areas to receive traffic with undyed, untreated building paper.
- C. Replace carpet damaged by traffic or other means at no additional cost to the Board.

END OF SECTION

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