

**Invitation for Bids (“IFB”)
For General Contractor**
(Flooring, Cabinetry, and Other Renovations for Elementary School)

This IFB is Being Issued by:

North Davis Academy
1765 W. Hill Field Road
Layton, Utah 84041
Tel. 801.547.1809

Date of IFB Issue: March 22, 2019

Deadline to Submit Bids: April 12, 2019 by 3:00 p.m.

I – KEY DATES

- A. Date of IFB Issue: March 22, 2019.
- B. Mandatory On-Site Walk Through and Deadlines to Submit Questions and Answers: Interested bidders are required to participate in a walkthrough of the building on March 29, 2019 between the hours of 10:00 a.m. and approximately 11:00 a.m. A question and answer session will be held at the building immediately after the walkthrough. Any questions about this IFB outside of the question and answer session must be submitted by email to Cami Johnson (Cjohnson@NorthDavisPrep.org) by April 3, 2019 at 5:00 p.m. Any questions submitted after this date and time will not be answered. By April 9, 2019, North Davis Preparatory Academy will post on its website (<https://northdavisprep.org>) answers to all timely questions submitted by email. The names of bidders or potential bidders who submit questions by email as described above will not be identified.
- C. Deadline to Submit Bids: April 12, 2019 at 3:00 p.m.
- D. Opening of Bids: April 12, 2019 at 3:00 p.m. at North Davis Preparatory Academy’s elementary school building, located at 1765 W. Hill Field Road, Layton, Utah 84041.
- E. Anticipated Contract Award Date: April 2019.
- F. Anticipated Contract Term: Approximately April 2019 to project completion.
- G. Commencement of Construction: As soon as reasonably possible during summer of 2019.
- H. Completion of Construction: No later than August 1, 2019, unless another completion date is agreed upon by North Davis Preparatory Academy.

II – GENERAL INFORMATION

- A. Background of North Davis Preparatory Academy. North Davis Preparatory Academy (“NDPA” or the “School”) is a Utah nonprofit 501(c)(3) corporation and public charter school located in Layton, Utah. NDPA began operations in 2004 and has over 1,000 students in grades K-9. NDPA has an elementary school building and junior high school building. The services and work requested in this IFB is for the elementary school building.
- B. Purpose of IFB. NDPA’s elementary school building is need of some renovations inside and outside of its elementary school building. The purpose of this IFB is to solicit bids from general contractors to provide, through its own employees or through subcontractors, all renovations listed below:
- **Flooring as follows:**
 - Install new carpet in all classrooms, the library, and the west loft. At this time the School desires to use the carpet from the Mohawk Group described (and shown in a color photo) in **Exhibit A**, so this carpet should be used by bidders for purposes of this IFB. Carpet could be purchased off state contract, if available.
 - Install new LVT in the teachers’ lounge and all hallways. At this time the School desires to use the LVT from the Mohawk Group described in **Exhibit B**, so this

LVT should be used by bidders for purposes of this IFB. LVT could be purchased off state contract, if available.

- Install new walk-off matt material in the vestibule. Walk-off matt material could be purchased off state contract, if available.
- **Cabinetry, shelving, and related miscellaneous work as follows:**
 - Install new cabinets and storage cubbies in all classrooms (except for the two kindergarten rooms, room 101, and room 102, each of which will receive cabinetry as described below) and complete other miscellaneous work as follows:
 - New cabinets on interior wall that extend horizontally approximately 12 feet from the existing storage closet toward the television set mounted on the wall (cabinets cannot extend all the way to adjacent wall because television set mount is in the way). The School anticipates the cabinets being approximately 24 inches tall, 24-36 inches wide, and 24 inches deep. Material and color of cabinets should match existing storage closet.
 - New storage cubbies on interior wall that extend horizontally from the existing storage closet to the wall adjacent to the mounted television set (storage cubbies can extend all the way to adjacent wall because television set mount will not be in the way). The storage cubbies should extend, vertically, from the bottom of the new cabinets described above to the floor. The School desires to have 30 separate storage cubbies in each classroom and anticipates that in order to do so the cubbies will need to be separated into three rows, with the top of the upper row being no higher than 60 inches from the floor. The School anticipates each storage cubby being approximately 18 inches tall, 12-13 inches wide, and 18 inches deep. Material and color of storage cubbies should match existing storage closet and cabinets described above.
 - Remove all existing countertops along the walls.
 - Install new storage closets, shelving, and storage cubbies in the two kindergarten rooms (rooms 115 and 116) and complete other miscellaneous work as follows:
 - New storage closets on interior wall to replace existing shelving and portion of built-in table on the interior wall (existing shelving and portion of built-in table will need to be removed). The School anticipates adding three storage closets on said interior wall, with the overall dimensions of each storage closet being 84 inches tall, 42 inches wide, and 24 inches deep. However, the storage closets must have an upper and lower level, with each level having a set of closet doors. Material and color of storage closet should match existing storage closet in kindergarten room.
 - Remove built-in laminate table and sink and replace with new built-in laminate table and sink. New laminate table and sink should be similar to existing, with color and type to be determined by the School.
 - Remove existing countertops on exterior wall and install shelving along the wall. The School desires three rows of shelving along the wall, with each section of shelving being 9 inches tall, 34 inches wide, and 18 inches deep. Material and color of shelving should match storage closets described above.
 - New storage cubbies on interior wall that extend horizontally from the existing storage closet toward the wall adjacent to the mounted television set. The School desires to have 30 separate storage cubbies in each kindergarten room and anticipates having the cubbies separated into two rows, with the top of the upper row being no higher than 48 inches from

- the floor and the bottom of the bottom row being on the floor. The School anticipates each storage cubby being approximately 24 inches tall, 12-13 inches wide, and 18 inches deep. Material and color of storage cubbies should match storage closets described above.
- Install new cabinets, storage cubbies, and built-in tables with partitions in room 102 and complete other miscellaneous work as follows:
 - New cabinets on interior wall that extend horizontally approximately 12 feet from the existing storage closet toward the television set mounted on the wall (cabinets can't extend all the way to adjacent wall because television set mount is in the way). The School anticipates the cabinets being approximately 24 inches tall, 24-36 inches wide, and 24 inches deep. Material and color of cabinets should match existing storage closet.
 - New adjustable shelving on interior wall that extend horizontally from the existing storage closet to the wall adjacent to the mounted television set (adjustable shelving can extend all the way to adjacent wall because television set mount will not be in the way). The adjustable shelving should extend, vertically, from the bottom of the new cabinets described above to near the floor. Material and color of adjustable shelving should match existing storage closet and cabinets described above.
 - Remove all existing countertops along walls in the room. Install new built-in tables (at the same height as existing countertops) that wrap around the south, west, and north walls. Partitions/dividers should be installed every 48 inches, creating separate workstations. Each workstation should also contain a lockable file cabinet or drawer. Material and color of the new built-in tables and workstations should match existing storage closet and cabinets described above.
 - Install new cabinets, storage cubbies, and complete other related miscellaneous work in room 101 (sensory room) as follows:
 - New matching cabinets on exterior wall and adjacent interior west wall (matching cabinets should meet in the corner of the adjacent walls). The School anticipates each cabinet being approximately 72 inches tall, 55 inches wide, and 18 inches deep, with the bottom of the cabinets being mounted 72 inches up on the walls (as opposed to starting on the floor). Material and color of matching cabinets should match existing storage closet in room 101.
 - New storage closet on north interior wall. The School anticipates the storage closet being 42 inches tall, 88 inches wide, and 18 inches deep. Material and color of storage closet should match existing storage closet in room 101.
 - Remove all existing countertops in the room. Install new built-in table (at the same height as existing countertops) along the exterior west wall with a partition/divider such that two separate workstations of 4 feet each are created. Each workstation should also contain a lockable file cabinet or drawer. Material and color of the new built-in table and workstations should match existing storage closet and cabinets described above.
 - Remove existing storage closet.
 - Install new shelving in library as follows:
 - New adjustable shelving in southeast corner of library. Shelving should reach approximately 72 inches in height and match/tie into existing shelving in library.

- **Other renovations (indoor and outdoor) as follows:**
 - Painting:
 - Repaint all interior walls of the school, except for the interior walls in the kitchen and east loft. In addition, only the north wall of the gym/multi-purpose room should be repainted (this wall will be painted in base white paint in preparation for the School painting a mural there in the future). Paint should match color of existing walls.
 - Repaint all interior door frames to match junior high school building door frame colors (royal blue).
 - New wallpaper as follows:
 - Remove all existing wallpaper in hallways and replace with new wallpaper. New wallpaper should extend up walls to existing borders.
 - New window blinds:
 - Remove window blinds on all windows and replace with new blinds; blinds should have horizontal slats and be made of faux-wood or an equivalent.
 - New blinds for gym and library windows must be motorized.
 - Color of new blinds to be determined by School.
 - Install thermostat control in each classroom and office.
 - Install localized HVAC for west loft and for the electrical/network rooms in west and east lofts.
 - Remove television mounts in each classroom and replace them by installing new swivel arms. Connect televisions to new swivel arms.
 - Install new room number signs in Spanish.
 - Replace all exterior doors (4).
 - Relocate library light switch from its current location outside of the library to inside the library.
 - Replace laminate countertops in front lobby area and teachers' lounge. New countertops should be laminate. Color of new countertops to be determined by School.
 - Install artificial turf field where the school's current grass field is located. The total area is approximately 21,563 square feet.
 - Install a hard cover over the school's playground area. The hard cover should provide students with shade and protection from precipitation. The hard cover should cover an area of approximately 94 feet x 50 feet.
 - Repair handicap parking stall near entrance to the school (this may require installation of a drain or redoing part of the asphalt)
 - Extending teachers' lounge and enclosing front lobby space area as follows:
 - Extend east wall of teachers' lounge approximately 48 inches. Construct a new wall that extends diagonally (at approximately 45 degrees) from the west corner of the new south wall of the teachers' lounge to the front office counter.
 - Install a doorway in new diagonal wall and construct a small closet within the enclosed front lobby space.
 - Provide, arrange, and handle storage (including movers) of all School property (furniture, supplies, etc) that must be temporarily removed or relocated during project.

C. Award of Contract. The contract will be awarded to the responsible bidder who meets all objective criteria set forth in this IFB and submits the lowest bid.

- D. Contract Documents. The successful bidder selected by NDPA's Board pursuant to this IFB will be required to enter into a written guaranteed maximum price contract consistent with the acceptable services, terms, and conditions outlined in the successful bid and the requirements set forth in this IFB.

III – GENERAL BID INFORMATION

- A. Bids must be submitted to NDPA in sealed envelopes in compliance with **Section V** of this IFB. Bids received by telephone, fax, email, or any other unapproved form are not acceptable and may not be considered.
- B. The content of a bid must address the specifications described in **Section VI** below.
- C. As stated above, bids will be opened publicly at NDPA's elementary school building at 3:00 p.m. on April 12, 2019. Bids will be opened so as to avoid disclosure of contents to competing bidders during the process of negotiation. Only the names of bidders who submitted bids will be identified at the opening of bids.
- D. NDPA may, for the purpose of assuring full understanding of and responsiveness to the IFB's requirements, enter into discussions or conduct interviews with, or attend presentations by, bidders who submit bids.
- E. **It is understood that NDPA's issuance of this IFB does not obligate NDPA to accept any of the bids submitted in response to this IFB, nor does it guarantee that NDPA will in fact accept any of the said bids. To the extent permitted by law, NDPA's Board reserves the right to accept or reject any or all bids and/or to waive any or all formalities in any bid or in the bid process deemed to be in the best interest of NDPA. No agreement exists on the part of NDPA and any bidder until a written contract is approved and executed by NDPA's Board.**
- F. **This IFB does not obligate NDPA to pay for any costs of any kind whatsoever that may be incurred by a bidder or any third parties in connection with a bid. All submitted bids, responses, and supporting documentation shall become property of NDPA. Further, NDPA shall not be liable to any bidder, person, or entity for any losses, expenses, costs, claims or damages of any kind arising out of, by reason of, or attributable to, the bidder responding to the IFB.**

IV – SERVICE REQUIREMENTS

Expectations for NDPA

- A. NDPA owns the property on which the work described in this IFB will be performed. NDPA will allow the winning bidder to have adequate access to its building and land to complete this project. In addition, NDPA officials or representatives will be reasonably available to consult with and advise the winning bidder throughout this project.
- B. NDPA will fund this project.

Expectations for Bidders

- A. Bidders will hold appropriate, current state licensure to engage in work described in this IFB.
- B. Bidders utilizing subcontractors will ensure that the selected subcontractors hold appropriate and current state licensure to engage in the work requested in this IFB. It is also expected that subcontractors will sign an approved lien release form and have adequate insurance before any payments are disbursed to them.
- C. Bidders will have adequate financing to fund their business and work obligations during the project.
- D. Bidders will have knowledge of and comply with construction reporting requirements for public schools in Utah.
- E. Bidders will comply with and follow instructions in this IFB.
- F. The winning bidder will act as a general contractor for NDPA for this project.
- G. The winning bidder will enter into a written contract with NDPA's Board within a reasonable deadline required by NDPA.
- H. The winning bidder will begin working and coordinating with NDPA, and commence project planning, in a timely manner after entering into a written contract with NDPA's Board.
- I. The winning bidder will commence work as soon as reasonably possible and will complete the project no later than August 1, 2019.
- J. The winning bidder will meet all legal requirements of charter school or school construction in the State of Utah and will comply with all applicable building codes, statutes, and rules governing charter school or school construction.
- K. The winning bidder will obtain all necessary and appropriate approvals, permits, and authorizations to commence work at the School's property as indicated herein, including any and all approvals from the City of Layton.
- L. The winning bidder will timely provide the School, and any other appropriate parties, with any necessary reporting information and reports, including construction inspection reports as required by the School throughout the project.
- M. The winning bidder will comply with all applicable state and federal laws and rules, including the Americans with Disabilities Act (ADA), pertaining to school construction.
- N. It is expected that the winning bidder will, upon request, agree to a reasonable liquidated damages amount for each day the project goes beyond the scheduled completion date.

Expectations Regarding Bid Pricing

- A. Bids must include a total anticipated guaranteed maximum price to be charged by the bidder to complete the project.

- B. Final pricing to be charged by the winning bidder will be agreed upon after the final plans, products, and scope of the project is agreed upon by the parties. NDPA reserves the right to reduce the scope of this project, including removing some of the renovations/work described in **Section II(B)**. Final pricing will be included in the guaranteed maximum price contract entered into by NDPA's Board and the winning bidder.

V – BID REQUIREMENTS

Potential bidders are hereby invited to submit a bid for the work described in this IFB. The scope of the work for this project is described above in **Section II(B)**.

- A. Bids must contain a cover letter which includes the following:
1. The legal company name of the bidder;
 2. The company address;
 3. The company contact person's name, phone number, and email address;
 4. The signature of company's authorized representative, including position/title; and
 5. The date of submission.
- B. Bids must address the Bid Specifications set forth below in **Section VI**.
- C. **Bids must be delivered in sealed envelopes to NDPA's elementary school building by 3:00 p.m. on April 12, 2019. The sealed envelopes should be addressed to North Davis Preparatory Academy, Attention Ammon Campbell.**
- D. **Submission of Protected Information.** Protection of disclosure of information submitted by an bidder in response to this IFB is governed by Utah's Government Records Access and Management Act in Utah Code Ann. § 63G-2-101 *et seq.* and Utah Administrative Code Rules R33-7-105 and R33-7-106. A bidder that desires to request protected status of any information it submits to NDPA in response to this IFB must specifically identify the information that it desires to protect and the reasons that the information should be afforded protected status under the law. In making this request, the bidder shall comply with the requirements in Utah Code Ann. § 63G-2-305, Utah Code Ann. § 63G-2-309, and Utah Administrative Code Rule R33-7-105. In turn, NDPA will comply with Utah Code Ann. § 63G-2-309 and Utah Administrative Code Rule R33-7-106 with respect to disclosing such information. Submission of protected information in response to this IFB shall be deemed an acknowledgment and consent by the bidder that the bidder agrees with this paragraph and will indemnify, defend, and hold harmless NDPA, its members, directors, officers, staff, and agents from any and all liability relating to the proper disclosure of information provided by the bidder in response to this IFB, even if the bidder requested protected or other confidential status for the information.
- E. **Submission of Bids with Protected Business Confidential Information.** In accordance with Utah Administrative Code Rule R33-7-107, if a bidder submits a bid that contains information claimed to be business confidential or protected information, the bidder must submit two separate bids in accordance with **Subsection (E)** above as follows:
1. One redacted version for public release, with all protected business confidential information either blacked-out or removed, and marked as "Redacted Version;" and

2. One non-redacted version for evaluation purposes clearly marked as “Protected Business Confidential.”

Please note that pricing may not be classified as business confidential and will be considered public information. In addition, an entire bid may not be designated as “protected,” “confidential,” or “proprietary” and shall be considered non-responsive unless the bidder removes the designation.

VI – BID SPECIFICATIONS

A. Content of Bids. Bidders must address the following in their bids:

1. *Experience, Qualifications, and Track Record.* Provide information demonstrating that the bidder has the experience and qualifications necessary to complete this project and that it has a successful track record of engaging in public school construction or other similar construction. The information may include such things as:
 - a. The bidder’s experience, expertise, and qualifications; this could include a list of key personnel who would handle this project and a description of their experience, skill, and qualifications (resumes suffice, but are not required);
 - b. Examples of bidder completing work similar to work described in this IFB;
 - c. The bidder’s track record of completing construction projects on time and within budget;
 - d. The bidder’s financial viability; and
 - e. Evidence of the bidder’s valid Utah contractor’s license.
2. *Past Performance for NDPA and/or References.* Identify any construction projects the bidder has completed for NDPA in the past. If the bidder has not completed any construction projects for NDPA, the bidder must provide a list of references for at least two construction projects similar to the project described in this IFB.
3. *Management of Project.* Explain how the bidder will manage and complete the project in a manner that meets the requirements and objectives of NDPA as set forth in this IFB. This explanation could address and include information relating to the following areas:
 - a. Project management;
 - b. General project schedule;
 - c. Quality control; and
 - d. Safety.
4. *Pricing.* Provide the total anticipated guaranteed maximum price to be charged by the bidder to complete this project. Itemize the pricing, including the bidder’s contractor fee.

B. Selection. The responsible bidder who submits the lowest responsive bid that meets the objective criteria described in this IFB will be selected by NDPA to complete this project.

Exhibit A – Carpet

Product Guide Specification Commercial Carpet

SECTION 09 68 13

MODULAR Carpet

PART 1: GENERAL

1.1 SECTION INCLUDES:

- A. Manufacturers
- B. Testing Protocols
- C. Performance Requirements
- D. Product Specifications
- E. Environmental Requirements
- F. Warranties
- G. Exclusions
- H. Installation
- I. Maintenance
- J. Accessories

1.2 REFERENCES

American Association of Textile Chemists and Colorists (AATCC):

- AATCC 16 – Test Method for Colorfastness to Light
- AATCC 107 – Test Method for Colorfastness to Water
- AATCC 129 Test Method for Colorfastness to Ozone in the Atmosphere under High Humidity.
- AATCC 134 – Test Method for Electrostatic Propensity of Carpets.
- AATCC 165 –(93) Test Method for Colorfastness to Crocking: Carpets – AATCC Crock Meter Method
- AATCC 175-(98) Test Method for stain Resistance: Pile Floor Coverings

American Society for Testing and Materials (ASTM):

- ASTM D418-(12), Methods for Testing Pile Yarn Floor Covering Construction (Finished Pile Thickness only)
- ASTM E648 – Test Method for Critical Radiant Flux of Floor Covering Systems using a Radiant Heat Energy Source.
- ASTM E662 – Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- ASTM D3676 – Test Method for Thickness
- ASTM D3676 – Test Method for Compression Resistance
- ASTM D3676 – Test Method for Volume Density.
- ASTM D3676 – Test Method for Compression Set.

International Standards Organization (ISO):

- ISO 2551 – Test Method for Dimensional Stability (Aachen Test)

- Carpet and Rug Institute (CRI):
- CRI Indoor Air Quality Testing and Labeling Program
- U.S. Department of Housing and Urban Development (HUD):
- HUD UM 44D-(93), HUD Building Product Standards and Certification Program for Carpet.

1.3 PERFORMANCE REQUIREMENTS

Comply with the following performance requirements:

- Radiant Panel: ASTM E648: >.45 watts/sq. cm: Class 1
- Smoke Density: ASTM E662: 450 Flaming Mode - Maximum
- Static Generation: AATCC 134: 3.5 KV - Maximum
- Lightfastness: AATCC 16E: Min 4.0 at 40 hrs.
- Crocking: AATCC 165: 4.0 – Wet/Dry
- Cold Water Bleed: AATCC 107: 3.0 - Minimum
- Ozone Fade: AATCC 129: 3.0 - Minimum
- Soil Protection: AATCC 189: 500 PPM Min.
- CRI Green Label Plus Air Quality Certification: Pass
- CRI Appearance Retention Rating 3.0 minimum – Heavy Traffic
3.5 minimum – Severe Traffic
- Aachen Test: ISO 2551 Less than .15% shrinkage or growth
- Stain protection: AATCC 175: Equal to or greater than 8.0 on Red 40 stain test.

Comply with the following Construction performance requirements:

- Delamination: Pass 50,000 cycles roll stool test
- Compression Resistance Test: 7.5 lb/sq. in. minimum
- Compression Set: 10% Maximum
- Elongation: 60% Minimum
- Tensile Strength: 50 lb/ sq. in. minimum

Special Performance Requirements

- Must have Soil and Stain Resist treatment
- Must have minimum 20 dpf fiber
- Must have Trilobal cross-section
- Must have permanent anti-stat yarn.
- Must be type 6 fiber

1.4 SUBMITTALS

- Manufacturer's Data
Submit two (2) copies of manufacturer's specifications and installation instructions for modular carpet and related items specified.
- Fiber Requirements
Submit certification from the fiber producer verifying the following:
 - Use of the specified fiber in the submitted carpet product.
- Warranties
Submit warranties as described in Section 1.13

- Maintenance
 - Maintenance Manual – submit manual of carpet manufacturer’s recommendations for the general care, cleaning and maintenance of modular carpet products.
- Certificate of Compliance
Submit certified test reports that modular carpet meets all the performance requirements stated above in section 1.3 Performance requirements. Submit certified test reports from a NVLAP Certified Lab that carpet meets all performance criteria.
- Shop Drawings
For carpeted areas submit shop drawings showing installation of carpeting, pattern direction, necessary installation accessories, and provisions for work of other trades. Show location of different patterns or styles of modular carpet. Also show locations of any threshold conditions
 - The contractor will supply reproducible prints on request, to facilitate shop drawing preparation.
- Samples
Submit standard-size modular carpet samples of each type of carpet, in each specified pattern, color and construction.

Any alternates to specified products must be submitted for approval by a representative of the end user or architect/design firm at least ten (10) working days prior to bid or proposal.

- Final Sample Submittal
Submit two (2) sets of samples for each carpet type.
- No carpet shipments are permitted until acceptance of final samples is given by representative of the end user or architect/design firm, certifying that samples are the approved color, pattern and texture.
- Custom Color only
A representative of the end user or architect/design firm, certifying that the samples are the approved color, pattern and texture, shall sign high quality color samples.
- Samples submitted are assumed to be the manufacturer’s best obtainable match to the color described under Materials Section.
- Must have federally registered Branded trademark.

1.5 CLOSEOUT SUBMITTALS

- Maintenance Data

Include maintenance procedures, recommended cleaning and stain removal materials, and recommended cleaning schedule. Include product data and Material Safety data Sheets (MSDS) for cleaning and stain-removal materials.

- Installation Instructions

Include detailed installation procedures. Include modular installation procedures, adhesive types, trowel sizes, spread rates, open times, and Material Safety data sheets (MSDS) for all modular adhesives.

1.6 QUALITY ASSURANCE

- Single Source Responsibility: Provide products from a single manufacturer.
 - Warranties must be standard and not job specific.
 - All styles must come from the same manufacturer.
 - Must be single source fiber extrusion and yarn manufacturing.

1.7 QUALIFICATIONS

- Manufacturer
Company specializing in manufacturing modular tiles with minimum five (5) years (documented) experience.
- Installer/Flooring Contractor Qualifications
 - Carpet contractor must provide all the necessary licenses, performance bonds, and insurance certificates that comply with all local, state, and federal laws, ordinances, or codes prior to the start of the installation.
 - Carpet contractor shall be a firm established not less than five (5) years and, if requested, shall submit evidence of having furnished and installed commercial carpet with vinyl backings on commercial carpet projects of similar size and scope for at least five (5) years.
 - Flooring Contractor to provide references at the request of the owner.
 - Carpet Contractors must also be mill certified for installing products.
 - Carpet Contractor will be responsible for the proper product installation, including floor preparation, in those areas indicated in the Drawings.
 - Carpet Contractor to provide owner a written warranty that guarantees the completed installation be free from defects in materials and workmanship for a period of two (2) years after job completion.

1.8 PRE-INSTALLATION MEETINGS

- Convene one (1) week prior to commencing work of this section.
- Require attendance of (manufacturer), (installer), (contractor), (owner), (architect) and other parties directly affecting the work of this section.

1.9 DELIVERY, STORAGE AND HANDLING

- Deliver modular carpet in sealed protective boxes and accessories in sealed containers. Segregate each modular product (if several product styles are involved), according to style, color, pattern, dye lot, run number, and quantity.
- Store products in an enclosed and dry area protected from damage and soiling.

1.10 SITE ENVIRONMENTAL REQUIREMENTS

- Do not install modular carpet until all areas have been fully enclosed and the environmental conditions have reached the levels desired for occupancy of the space.

- Maintain ambient temperature and humidity conditions during and after installation of modular carpet at occupancy levels.
- Allow modular carpet to reach room temperature, or minimum temperature recommended by manufacturer prior to the start of the installation.
- Protect adhesives from freezing. Follow manufacturer's recommendations for minimum temperatures to which adhesives are exposed.

1.11 FIELD MEASUREMENTS

- Verify that field measurements are as indicated on drawings.

1.12 SEQUENCING

- Sequence installation so as to minimize possibility of damage and soiling of carpet.
- Do not commence installation until painting and finishing work are complete, and ceiling and overhead work have been tested, approved and completed.
- Remove and replace existing carpet (renovations) in accordance with pre-approved architectural plan.

1.13 WARRANTY

Warranty Performance Requirements

- Warranties must be for Lifetime on all items.
- Lifetime warranties must cover face components and backing components
- Warranties must be non-prorated.
- Carpet manufacturer must warrant both product and adhesive systems.
 - Provide manufacturer's lifetime warranties as outlined below
 - Wear
 - Static
 - Edge Ravel
 - Zippering
 - Dimensional Stability

1.14 EXTRA MATERIALS

- Provide percent overage of calculated yardage for each type of carpet (include carpet needed for complete installation plus waste and usable scraps in calculated yardage) as specified by architect and/or end user. Recycle waste, unusable scrap and any modular carpet damaged during installation through a qualified industry recycling or manufacturer environmental program.
- Deliver specified attic stock requirements to Owner's designated storage space, properly packaged and identified.

PART 2: PRODUCTS

2.1 MANUFACTURERS

- The Mohawk Group, 1975 West Oak Circle, Marietta GA 30062. Telephone 800.554.6637. Web Site: www.themohawkgroup.com.
- Contact: Michael Gearhart - cell: 801 664 0909

2.2 MODULAR CARPET TILE CONSTRUCTION

- All yarn and other carpet materials shall be manufacturer's first quality.
- Modular backing composite shall be constructed in the following manner:
- Backing Material/Composition
 Primary – Reinforced synthetic – non woven
 Bonding Agent – Premium vinyl composite polymer
 Secondary – Fiberglass reinforced vinyl composite polymer

Total Backing Weight: Minimum of 110 ounces per square yard

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

CARPET 1

Collection	Headstrong custom accent
Brand	Mohawk
Product Type	Tile
Minimum Sq. Yd.	No minimum
Construction	Tufted
Surface Texture	Textured Patterned Loop
Gauge	1/12 (49.00 rows per 10 cm)
Density	6266
Weight Density	159852
Stitches Per Inch	9.0 (43.31 per 10 cm)
Finished Pile Thickness	.109" (3.40 mm)
Dye Method	Solution Dyed
Backing Material	EcoFlex ICT
Fiber Type	Colorstrand SD Nylon
Fiber Modification Ratio	2.5 or less
Face Weight	16.0 oz. per sq. yd. (746 g/m ²)
Pattern Repeat	Not Applicable
Size/Width	24" x 24" (.6096 m x .6096 m)
Soil Release Technology	Sentry Soil Protection
Installation Method	Quarter Turn, Monolithic, Brick Ashlar, Vertical Ashlar, Multi-Directional
Foot Traffic Recommendation TARR	Severe
SUSTAINABILITY Pre-Consumer Recycled Content	48 %
Post-Consumer Recycled Content	1 %
NSF 140	Gold
Indoor Air Quality	Green Label Plus 1171
Declare Label	Declared Red List Free
Static	AATCC-134 Under 3.5 KV
Flammability	ASTM E 648 Class 1 (Glue Down)
Smoke Density	ASTM E 662 Less than 450
CRI Green Label Plus Certified	Y
Warranties	Lifetime Limited Carpet Tile Warranty Lifetime Limited Duracolor Stain Warranty Lifetime Static

ENVIRONMENTAL ATTRIBUTES AND CRITERIA

- Environmental claims by manufacturer must comply with FTC guidelines.

- Low Emitting Materials – Modular Carpet. Carpet must pass the Carpet and Rug Institute Green Label Plus Program for VOC emissions.
- Low Emitting Materials: Modular Carpet and all installation components including adhesives, sealers, seam welds and seam sealers must meet the *Low Emitting Materials* standards as outlined in U.S. Green Building Council LEED criteria. Adhesives must meet VOC emissions standards per South Coast Air Quality Management District Rule #1168.
- Installation adhesives must pass the CRI Green Label plus equivalent protocol for VOC emissions.
- End of Life Reclamation – Carpet manufacturers must have existing program in place to achieve landfill diversion. Refer to Section 3.7 of this section for specific requirements for reclamation of material. ReCover – Carpet recycling program, call toll free 877-373-2925.
- Recycled Content: Carpet must contain a minimum 35% Post-consumer recycled content based on total product weight.
- Carpet Face Yarn: In accordance with Executive Order 13101, carpet face yarn must contain minimum 25% pre-consumer Recycled content.
- Environmentally Preferred Product – Carpet must have third party certification (such as Scientific Certification Systems) in accordance with SNF-140 Sustainable Carpet Assessment standard as an Environmentally Preferred Product (EPP).
- Manufacturer's recycled yarn content claim must be third party certified by Scientific Certification Systems or other third party auditing company.
- NSF/ANSI 140 – 2007e Gold Certified

2.4 ACCESSORIES

- Leveling Compound: Latex type as recommended by carpet manufacturer; compatible with carpet adhesive and curling/sealing compound used on concrete.
- Multipurpose Adhesive: Low VOC NuBroadlok™ modular adhesive or NuSprayLok™ adhesive, as recommended by carpet manufacturer for direct glue down of modular tiles; comply with CRI Green Label Certification Program.
- Non-Metallic Carpet edge Guard: Extruded or molded heavy-duty vinyl or rubber carpet edge guard of size and profile indicated; minimum two (2) inch wide anchorage flange; colors selected by (Architect) (Designer) from manufacturer's standard range of colors.
- Miscellaneous Materials: As recommended by manufacturer of carpet, cushion, and other carpet products; as required to complete installation.

PART 3 EXECUTION

3.1 EXAMINATION

- Examine substrates for conditions under which modular carpet tiles are to be installed.
- Verify that floor surfaces are smooth and flat within tolerances specified in Section 3.2 and are ready to receive work.
- Beginning of installation means installer accepts existing substrate conditions.

3.2 PREPARATION

- Allow new concrete to cure for 90 days before carpet installation starts.
- Perform moisture content testing as required by manufacturer's instructions to ensure pH readings of no more than nine (9). Moisture transmission of 3.0-lbs/sq. ft per 24 hours is acceptable. If values exceed this level, follow manufacturer's recommendations for moisture transmission mitigation. Do not proceed until unsatisfactory conditions have been corrected.
- Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes and other defects with sub-floor filler.
- Fill, level and make smooth cracks 1/16 inch or more, holes, unevenness, and roughness with compatible latex floor patching compounds. Feather floor filling or leveling compound a minimum of four (4) ft. Sweep floor of loose granular debris prior to filling. After filling, allow filler to dry. Damp mop floor with warm water and allow to dry. Vacuum after mopping to ensure that loose granular debris is removed and to provide a proper substrate to install modular carpet. Prohibit traffic until filler is cured.
- Vacuum floor again immediately before installation of carpeting.
- Confirm compatibility of NuBroadlok™ or NuSprayLok™ premium releasable carpet tile adhesive with curing compounds on concrete floors.
- Preheat areas to receive modular carpet to a minimum temperature of 68° F for 72 hours prior to installation, with a relative humidity of not more than 65 percent. Maintain minimum temperature of 50° F thereafter. Modular carpet and adhesive must be stored at a minimum temperature of 68° F, for 72 hours prior to installation.
- Store NuBroadlok™ or NuSprayLok™ premium releasable carpet tile adhesive and other liquid materials in same atmospheric conditions as carpet, 68° F for at least 72 hours.

3.3 INSTALLATION

- Install modular carpet in accordance with the Technical Bulletins provided by the manufacturer. These technical bulletins will offer the proper instructions to install modular carpet including: (1) conducting site testing and conditioning, (2) floor preparation, (3) installation of the modular carpet, including modular carpet layout (if more than one pattern or color) and approved adhesives, systems, etc. As a supplement, the CRI 104, section 8 will supply additional installation support guidance for your installation.
- Install modular carpet under open-bottom obstructions and under removable flanges and furnishings, and into alcoves and closets in each space.
- Conceal cut edges with protective edge guards or flanges.
- Install modular carpet under open-bottom items and cut tiles tight against walls, columns, and cabinets so that the entire floor area is covered with modular carpet. Cover over floor-type door closers.
- Install edging guards at openings and doors wherever modular carpet terminates, unless indicated otherwise.
- Perform cutting in accordance with manufacturer's recommendation using tools designed for modular carpet being installed. Verify modular carpet patterns and colors before cutting to insure minimal variation between dye lots.
- Install modular carpet according to manufacturer's instructions. Depending on the product specification, install either monolithically, quarter turned, Ashlar, or random. Installation requirements will be spelled out in the architectural drawings for the recommended method to be employed.
- Use leveling compound where necessary. Feather floor leveling compounds minimum of 4 ft.
- Trim modular carpet neatly at walls, and around interruptions
- Complete installation of edge strips, concealing exposed edges.
- Cut modular carpet at fixtures, architectural elements, and perimeters.
- Install carpet on stairs using acceptable permanent adhesive. Furnish and use compatible edge strip and nosing products as required.

3.4 FIELD QUALITY CONTROL

- Inspect completed modular carpet installation on each floor
- Verify that installation is complete; work is properly done and acceptable
- Remove and replace, at no additional cost to owner, any work found not to be acceptable.

3.5 CLEANING

- On completion of installation in each area, remove dirt and scraps from surface of finished modular carpet. Clean soiling, spots, or excess adhesive on carpet with cleaning materials recommended by carpet manufacturer.
- Remove debris; sort pieces from carpet scraps
- At completion of work, vacuum carpet using commercial vacuuming equipment as recommended by manufacturer. Remove spots and replace modular carpet where spots cannot be removed. Remove rejected modular carpet pieces and replace with new modules. Remove any protruding yarns with shears or sharp scissors.

3.6 PROTECTION

- Do not permit traffic over unprotected carpet surface.
- Protect modular carpet against damage during construction. Cover with 6-mil thick polyethylene during construction period so that carpet will be without soiling, deterioration, wear, or damage at time of completion.
- Prior to furniture move in, heavy traffic areas will be protected with additional masonite sheets to protect the carpet from damage
- Damaged modular carpet will be rejected. As modular carpet is installed, remove trimmings, scraps of carpet and installation materials.
- Maintain protection of carpeting on each floor or area until work is accepted.

3.7 CARPET RECLAMATION – BROADLOOM CARPETING AND CARPET TILE

This specification is for carpet reclamation and is designed to manage carpet recycling for any type of used carpet or carpet pad.

- **CARPET REMOVAL – BROADLOOM**
 - Remove used carpet in carpet pieces, roll tightly, and pack neatly in container. (Include carpet scrap and waste from new installation.) Immediately remove used carpet from Site. For reclamation projects coordinated by Mohawk Reclamation Department, place in Mohawk provided covered containers.
 - Deposit only clean, dry used carpets in containers. Clean shall be defined as carpet free from demolition debris or asbestos contamination, garbage, and tack strips.
- **CARPET REMOVAL – CARPET TILE**
 - Remove used carpet tile and stack neatly on pallets. Neatly stack carpet tiles or repack in cardboard boxes prior to placing in container. Do not stack higher than 6 feet on pallets. (Include carpet scrap and waste from new installation.) Immediately remove used carpet from Site. For reclamation projects coordinated by Mohawk Reclamation Department, place in Mohawk provided covered containers.
 - Deposit only clean, dry used carpets in containers. Clean shall be defined as carpet free from demolition debris or asbestos contamination, garbage, and tack strips.
- **CONTAINER HANDLING**

- Place used carpet in container supplied by Mohawk Reclamation Department. Containers are fully enclosed and shall be kept locked or supervised.
- Broadloom carpet must be segregated in separate containers from tile carpeting.
- Use effective packing techniques to maximize the amount of material in the container. On average the following amounts are the related container capacities.

<u>Container Size</u>	<u>Broadloom Capacity</u>	<u>Tile Capacity</u>
53' Foot	4,800	3,500

- CONTAINER REMOVAL

When container is full, contact Mohawk Reclamation Department to coordinate pickup and drop-off of replacement container if needed. If container is locked for security purposes, remove the lock prior to pick up.

The Mohawk Reclamation Department toll free number is (877) 3RE-CYCL or (877) 373-2925

- RECLAMATION CERTIFICATE

The Mohawk Reclamation Department will issue a reclamation certificate once used carpet is removed from the job site and or dealer location and delivered to reclamation facility.

END OF SECTION



Exhibit B - LVT

Section 0965XX

RESILIENT FLOORING

PART 1 – GENERAL INFORMATION

1.01 SUMMARY

- A. This section deals with resilient flooring found in the drawings and schedules of the contract that meet the requirements of this section.

1.02 RELATED SECTIONS

- A. Section 3 – Cement: not covered in this section.
- B. Section 6 – Wood and plastic: not covered in this section.
- C. Section 7 – Thermal and humidity protection: not covered in this section.
- D. Section 9 – Other sections containing information related to floor finishes: not covered in this section.

1.03 REFERENCES (INDUSTRY STANDARDS)

- A. ASTM F 710: Practice for Preparing Concrete Floors to Receive Resilient Flooring.
- B. ASTM E 648: Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- C. ASTM E 662: Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- D. ASTM F 1869: Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- E. ASTM F 2170: Determining Relative Humidity in Concrete Floor Slabs Using in Situ Probes.

1.04 ITEMS TO DELIVER

- A. Provide the product's Technical Specifications data sheet as well as all Installation and Maintenance Instructions.
- B. When required, supply floor drawings and installation plans.
- C. Supply a set of samples measuring at least 7.5 cm (3 in.) by 15 cm (6 in.) of the complete range of colors and finishes chosen for the project.
- D. When required, provide Mohawk Group's attestation, certified by an independent laboratory, confirming that the flooring complies with the fire standards of the following tests:
 - 1. ASTM E 648; Critical Radiant Flux: 0.45 watts/cm² or more;

- 2. ASTM E 662; Smoke Density: 450 or less.
- E. Provide Mohawk Group's Warranty Certificate.

1.05 QUALITY ASSURANCE

- A. Have Mohawk Group flooring installed by a qualified installer of this type of flooring.
- B. In accordance with the technical instructions in the Installation Instructions, use all the accessories recommended by Mohawk Group when installing its flooring.
- C. Follow the instructions specified in the most recent version of Mohawk Group's Installation Instructions.

1.06 DELIVERY, HANDLING, STORAGE

- A. Deliver the flooring to the installation site in Mohawk Group's original packaging. Indicate the project name and handling instructions on the outside of the boxes.
- B. Advise the carrier of any damaged material and indicate it on the packing slip.
- C. Store the flooring inside, sheltered from extreme hot or cold temperatures. Place the material on a smooth level floor or where there is uniform solid support in a clean, dry well-ventilated area. Unstack the palletes. The long-term storage temperature must be maintained between 18°C (65°F) and 24°C (75°F). Protect adhesive and flooring material from freezing, extreme heat and direct sun exposure.
- D. Acclimatize the subfloor, all flooring material and adhesive for 48 hours before, during and after the installation by maintaining the room temperature between 18°C (65°F) and 24°C (75°F). The palletes should be unstacked 24 hours prior to use.
- E. Afterwards, maintain the room temperature between 18°C (65°F) and 29°C (85°F). Protect the material from direct sources of heat such as air vents and other types of heaters.
- F. Install the flooring after all other finishing work, including painting, have been completed.

PART 2 - PRODUCTS

2.01 MANUFACTURER

Mohawk Group Vendor Partner
160 S. Industrial Blvd
Calhoun, GA 30701

Michael Gearhart 801-664-0909

2.02 RESILIENT FLOORING DESCRIPTION

- A. Characteristics:
 - 1. Luxury Vinyl Tile: Metal
 - 2. Nominal thickness: 5.00 mm

3. Sizes:18x36
4. Wear Layer 20 mil (.5mm)
5. Complies with ASTM F 1700, Class III, Type A or B.
6. Enhanced Urethane Finish with Aluminium Oxide
7. Refer to the product's Technical Specifications data sheet for detailed specifications.
8. Choose from any of The Mohawk Group's complete line of colors (indicate the item number).
9. The LVT program has FloorScore certification.
10. This product was manufactured in a factory that has ISO 9001 and ISO 14001 certifications.
11. Passes IIC rating of 57 or higher

2.03 ADHESIVES

- A. Use Mohawk Group's M700, M950 or MS160 adhesive. M700 covers x 220-260 SF / Gallon and M950 covers 175-225 SF / Gallon when applied with the recommended notched trowel. MS160 covers 135-160 SF/22 oz can.

2.04 OTHER MATERIAL

- A. Subfloor repairs: use a good-quality Portland cement-based compound modified with latex that has a minimal resistance to compression of 246 kg/cm² (3,500 lbs/sq. in.) to fill, smooth or level subfloor imperfections.
- B. Self-levelling underlayment: use a Portland cement-based self-levelling underlayment modified with a polymer that has a minimal resistance to compression of 246 kg/cm² (3,500 lbs/sq. in.).

PART 3 – EXECUTION

3.01 SITE INSPECTION

- A. Examine the subfloor before installation to ensure that the surface is clean, dry, smooth, structurally sound and free from foreign substances that may adversely affect adhesion or cause discoloration. Furthermore, ensure that the subfloor is free of paint, varnish, adhesive, oil, grease, solvent and other foreign substances, including treatment compounds, sealers and curing compounds that may adversely affect adhesion or alter the appearance or durability of the vinyl flooring.
- B. Verify the surface to ensure there is no powder, scaling or mold. If there is, remove it with a mechanical sander and level with a good-quality cement-based Portland primer.
- C. Slabs that have been either using a curing agent or a sealer will have to be treated to insure that the adhesion has not been impaired.

- D. Do not install on cement slabs that have been subjected to adhesive chemical abatement, unless an approved remediation system was used afterwards.
- E. Report and rectify all unsatisfactory conditions. Do not start flooring installation until all rectifications have been completed.

3.02 SUBFLOOR PREPARATION

- A. Level all rough surfaces and fill cracks and marks with a Portland cement-based patching compound modified with latex.
- B. Mechanically remove all surface contaminants such as paint, oil, grease, varnish, adhesive as well as various other products such as treatment compounds.
- C. Measure the humidity and pH levels in the cement in compliance with the following standards before installation:
 - 1. ASTM F 1869, Anhydrous Calcium Chloride test for Moisture levels. The maximum allowable reading is:
 - 5 lbs/1,000 sq. ft./24 hours (2.26 kg/92.9 sq. m/24 hours) for M700 Adhesive
 - 8 lbs/1,000 sq. ft./24 hours for the MS160 Spray Adhesive
 - 2. ASTM F 2170, Relative Humidity (RH) test using in situ probes. The maximum allowable reading is:
 - a. 85% for M700 Adhesive
 - b. 90% RH for M950 Adhesive
 - c. 93% RH for the MS160 Spray Adhesive
 - 3. ASTM F 710, pH levels (test procedure 5.3.1). The readings should be between 8 and 10.
 - 4. The ASTM test frequency recommendation is 3 measures for the first 1,000 sq. ft. (92.9 sq. m) and one measure for each additional 1,000 sq. ft. (92.9 sq. m).
- D. Ensure Moisture, Relative Humidity and pH tests have all been conducted and measurements meet manufacturer's recommendations.
- E. In case of doubt, test the adhesion on the cement subfloor or other surface that will be covered by the flooring. Do the test using the specified flooring and recommended adhesive.

3.03 RESILIENT FLOORING INSTALLATION

- A. Install the flooring according to the latest version of Mohawk Group's Installation Instructions. Use the tools, adhesives, trowel types and procedures recommended in the instructions.
- B. Acclimatize the subfloor, all flooring material and adhesive for 48 hours before, during and after the installation by maintaining the room temperature between 18°C (65°F) and 24°C (75°F). Afterwards, maintain the temperature between 18°C (65°F) and 29°C (85°F).

3.04 CLEANING AND PROTECTION

- A. Remove all excess adhesive immediately after installation as recommended in Mohawk Group's Installation Instructions.
- B. Before allowing traffic after installation, consult and follow the recommendations in Mohawk Group's Installation Instructions.
- C. Following installation and cleanup, if the work of all other trades has not yet been completed, protect the flooring by laying sheets of non-staining brown Kraft paper, and then a layer of plywood sheets (rolls of non-staining heavy cardboard material could also be used for protection).
- D. Follow the instructions in Mohawk Group's Maintenance Instructions when performing initial and regular maintenance procedures.

END OF SECTION 0965XX

Please note that technical web site documents prevail.