



Robert Burkey
Director of Facilities
201 N. Forest Avenue
Independence, MO 64050
(816)521-5330 Fax (816)521-5627

Flooring Request for Proposal

2016- FAC 001

Proposal Due:

March 21, 2016
10:00 a.m.

1. Background

1.1. Notice

1.1.1. Independence School District (the "District") seeks a contractor ("Contractor") to perform district flooring repairs/replacement. If your firm is interested, please submit the information requested in this Request for Proposal (RFP) to the Independence School District office by 10:00 a.m. on March 21, 2016. All information necessary for the submittal is contained in this RFP.

1.2. RFP Schedule

- 1.2.1. Issue RFP: March 14, 2016
- 1.2.2. Deadline to schedule inspection of property: March 18, 2016, 10:00 a.m.
- 1.2.3. Deadline to submit written questions: March 17, 2016, 4:00 p.m.
- 1.2.4. Deadline to submit proposals: March 21, 2016, 10:00 a.m.
- 1.2.5. Vendor selection date: April 8, 2016, 6:00 p.m.

2. Description of Services (or Project)

2.1. Type

2.1.1. Carpet Tiles

2.1.1.1. See Specification #1

2.1.2. VCT

2.1.2.1. See Specification #2

2.1.3. LVT

2.1.3.1. See Specification #3

2.1.4. Epoxy flooring

2.1.4.1. See Specification #4

2.1.5. Cove base and accessories

2.1.5.1. See Specification #5

2.1.6. Substitutions

2.1.6.1. ALL substitutions must be noted on outside of BID envelope and be accompanied by documentation as to why it is comparable. A Sample must be provided and it is the sole discretion of the DISTRICT as to whether a substitute is equal or better.

2.2. Locations

2.2.1. Van Horn High School, Chrisman High School, Pioneer Ridge Middle School, Proctor Elementary, Glendale Elementary, Hanthorn Early Ed, Blackburn Elementary, Three Trails Elementary & William Southern Elementary

2.2.1.1. See specific Locations in Appendix A

2.3. Equipment

2.4. Inspection

2.4.1. Contractor must visit each site before submitting their proposal and be responsible for all measurements on the project. Contractor is responsible for exact measurements.

2.5. Project Schedule

2.5.1. Vendor selection date: April 8, 2016, 6:00 p.m. Board of Education Meeting

2.5.2. Contract date: June 1, 2016

2.5.3. Planned commencement of service: June 1, 2016. Specific locations will be scheduled after contract awarded by working with Contractor and District.

2.5.4. Planned substantial completion of service: July 15, 2016

2.5.5. Planned final completion of service: July 20, 2016

3. Scope of Services

3.1. Maintenance Coverage

3.2. Hours of service

District Buildings are available from 6:00 a.m. till 10:00 p.m. during non-student contact days through summer

3.3. Terms and conditions

3.3.1. ***Contractor is to provide tear out, disposal, and installation to factory specifications as noted in specifications 1-5.***

3.3.2. ***Exact styles and colors will be pick with by District after award of bid by winning Contractor.***

3.4. Exclusions

3.5. Term

3.5.1. June 1, 2016 through July 20, 2016

3.5.2. Renewals- Contractor is to hold prices good for a period of 1 year from the Start date of June 1, 2016.

3.5.3. Start date

3.5.3.1. June 1, 2016

3.5.4. Date of substantial completion

3.5.4.1. July 15, 2016

3.5.5. Date of final completion

3.5.5.1. July 20, 2016

4. Required Insurance

4.1. Liability

4.1.1. \$100,000 per incident

4.1.2. \$300,000 per year

4.2. Workers Compensation

4.2.1. Statutory limits

4.3. Bond

4.3.1. Payment: Amount of Agreement

4.3.2. Performance: Amount of Agreement

5. Disclosures and notifications

5.1. Conflicts of interest

- 5.1.1. Proposal must state whether proposer has any professional, business, or familial relationship with any current member of the Board of Education of the District or with any administrator of the District.

5.2. Cooperative Procurement

- 5.2.1. Indicate whether, if the District accepted your proposal, you would provide the same products and services under the same prices and terms to any public school district or any other non-profit organization having membership in the Mid-America Council of Public Purchasing (MACPP) or Mid-America Regional Counsel (MARC) and/or located within the greater Kansas City metropolitan trade area.
- 5.2.2. The prices, terms, and conditions of this RFP and any subsequent term agreement would control the terms of any subsequent agreement from date of contract for a period of not less than 1 calendar year.
- 5.2.3. Organizations represented by MACPP or MARC have no obligation under the cooperative procurement agreement for to use the RFP, proposal, or agreement unless they are specifically named in the RFP as a joint respondent.
- 5.2.4. The ordering jurisdiction will issue purchase orders and be responsible for all receiving, inspection, payments and other agreement administration.
- 5.2.5. Each jurisdiction that is a party to the joint proposal may act as Administrative Contracting Officer with responsibility to issue purchase orders, inspect and receive goods, make payments, and handle disputes involving shipment to the jurisdiction.

6. Contract terms

6.1. E-Verify

- 6.1.1. Missouri law requires all companies doing business under contracts greater than \$5,000 with government entities to attest that all their employees and subcontractor's employees are "lawfully present in the United States."

6.2. Prevailing Wage

- 6.2.1. Missouri law requires agreements to contain the following prevailing wage terms: "A wage of no less than the prevailing hourly rates of wages for work of a similar character in the locality in which the work is performed shall be paid to all workmen employed by or on behalf of any public body engaged in public works exclusive of maintenance work" (§ 290.220) and "Not less than the prevailing hourly rate of wages specified in wage determination as requested from the State shall be paid to all workers performing work under this contract" (§ 290.250). The contractor shall forfeit as a penalty to the State, County, City, and County, City, Town, District or other political sub-division on whose behalf the contract is made or awarded. Ten (\$10.00) Dollars for each worker employed, for each calendar day, or portion thereof such worker is paid less than the said stipulated rates for any work done under this contract by him or by any sub-contractor under him. § 290.250. All payroll records of the contractor are to be submitted to the School District, with the approved Prevailing Wage Statement, prior to final acceptance of the project.

6.3. Liquidated Damages

- 6.3.1. The District may assess liquidated damages for work not completed as agreed upon for up to \$50 per day.

6.4. Applicable law

- 6.4.1. Missouri law will govern contracts entered into pursuant to this RFP.

6.5. Termination

- 6.5.1. The District may terminate contracts entered into pursuant to this RFP without cause upon 30 days' notice.

6.6. Compliance with laws and policies

- 6.6.1. Proposer must comply with all federal and state anti-discrimination laws.
- 6.6.2. All work shall be done in strict accordance with the provisions of the current edition of the building codes adopted by the City of Independence, Missouri and all city ordinances in effect during performance of this contract.
- 6.6.3. Contractor must be licensed to do business in the City of Independence.
- 6.6.4. All work shall meet or exceed the American with Disabilities Guidelines.
- 6.6.5. *A-133 Compliance Supplement*: The contractor must certify that they and their principals are not debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal Department or Agency.
- 6.6.6. *Excessive Unemployment*: The Missouri Department of Labor and Industrial Relations has determined that a period of "Excessive Unemployment" remains in effect and will remain in effect if the unemployment rate exceeds 5% in the state of Missouri. Only Missouri laborers and laborers from nonrestrictive states are allowed by law to be employed on Missouri's public works projects. (See Sections 290.550 through 290.580 RSMo).
- 6.6.7. *AHERA Notification*: the District has completed the removal of friable asbestos in all District school buildings. In addition, all facilities have now been inspected by a certified asbestos inspector as required under the ASBESTOS HAZARD EMERGENCY RESPONSE ACT OF 1986 (AHERA). A copy of the AHERA Plan has been filed with the State of Missouri and a copy is on file with each building administrator. The AHERA Plan is available for inspection during regular school hours.
- 6.6.8. *OSHA Training*: As a condition of the Contract entered pursuant to this RFP, a Contractor must provide a 10-hour Occupational Safety and Health Administration (OSHA) Construction Safety Program ("Program") for Contractor's on-site employees as mandated by RSMo 292.675. Said Program must include a course in construction safety and health approved by OSHA or a similar program approved by the Missouri Department of Labor and Industrial Relations. This requirement includes the following:

All of Contractors' on-site employees must complete the Program within 60 days of beginning work on the Project; Any employee found on the work site subject to this requirement without documentation of the successful completion of the Program will be given 20 days to produce such documentation before being subject to removal from the Project; Contractor's failure to comply with these requirements will subject it to penalties. Contractor shall forfeit as a penalty to the Owner \$2,500.00 plus \$100.00 for each employee employed by Contractor or Contractor's Subcontractor, for each calendar day, or portion thereof, such employee is employed to work under this Contract without the required training. Said penalty shall not accrue until the period in subsections 1 and 2 have elapsed. Contractor will be subject to said penalties notwithstanding any other provision to the contrary in this Construction Contract. Contractor shall require its contracts with all Subcontractors to contain these provisions. Contractor shall be responsible for penalties to Owner due to any Subcontractor's employees' failure to produce documentary evidence of training in the required Program. Contractor may withhold all sums necessary to cover any penalty from Subcontractor by suing in the circuit court of the county in which the project is located. Contractor shall have no right of recovery against Owner

- 6.6.9. *Lead Paint Guidelines:* After April 22, 2010, contractors and their individual crew members working in pre-1978 school buildings that are child occupied and residential properties will be required to obtain their Renovator Certification by an accredited EPA Training Provider.

6.7. Background Checks

- 6.7.1. Contracts entered pursuant to this RFP must require that all employees who will interact with students will be fingerprinted and background checked under the background checks required by the District's Board Policies. Results of background checks of employees working directly with students must be provided to District. District reserves the right to refuse to allow any employee access to students if the employee completes no background check acceptable to the District.

6.8. Indemnity

- 6.8.1. The District will not agree to indemnify any contractor for its own negligence, for injuries or damages that do not arise from acts or omission of the District, or for injuries or damages for which the District has sovereign immunity.

6.9. Change orders

- 6.9.1. Change orders that exceed the greater of \$15,000 or 5% of the total originally contracted amount are subject to Board approval prior to performance of the work and are subject to re-bid. (See Board Policy 7210.)

6.10. Proposed contract

- 6.10.1. Proposals must include a copy of proposed contracts or service agreements if available or disclose terms required by the proposer of this RFP.

7. Interpretation, Questions, Withdrawal

7.1. Interpretation

- 7.1.1. The District will make no oral interpretations for proposers of meaning of the terms in this RFP.
- 7.1.2. Requests for interpretations to the meaning of this RFP must also be made in writing to Independence School District not later than [DATE] and failure by the successful proposer to do so shall not relieve the proposer of the obligations to execute such services under a later interpretation by the school district.
- 7.1.3. All interpretations made to the proposers will be issued in addenda to the RFP and will be sent to all proposers.

7.2. Questions

- 7.2.1. Submit written questions to the following person:

Robert Burkey
Director of Facilities
201 N. Forest Avenue
Independence, MO 64050
816-521-5330

7.3. Withdrawal

- 7.3.1. Any Contractor may withdraw his proposal prior to the scheduled closing time for receipt of proposals.
- 7.3.2. No proposal shall be withdrawn for thirty (30) days after the scheduled closing time for receipt of proposals.

8. Quote

8.1. Amount- U.S. Dollars

8.2. Rate- U.S. Dollars

9. Proposal submission and opening

9.1. Submission

- 9.1.1. Submit proposals in a sealed envelope marked "DISTRICT FLOORING PROPOSAL" and deliver to the following address and person:

Robert Burkey
Director of Facilities
201 N. Forest Avenue
Independence, MO 64050
816-521-5330

9.2. Opening

- 9.2.1. The proposals will be opened and publicly read at the following location on the following date and time:

Date: March 21, 2016

Time: 10:00 a.m.

Location: Facilities Office
201 N. Forest Avenue
Independence, MO 64050.

10. Reservation of Rights

10.1. INDEPENDENCE SCHOOL DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL PROPOSALS AND WAIVE ANY INFORMALITY IN THE PROPOSAL OR REQUEST FOR PROPOSAL.

11. Proposal Evaluation

11.1. Award

11.1.1. The contract will be awarded to the firm submitting the best responsible proposal complying with this RFP if the proposal is reasonable and in the best interest of the District to accept. The firm selected will be notified at the earliest practical date. The decision regarding acceptability of any firm's qualifications/proposal shall remain entirely with the District, at the District's sole discretion. The criteria for making this judgment will include but not limited to price, demonstrated capability, past work completed and general responsiveness to the RFP.

11.1.2. The District notifies all proposers that minority business enterprises will be afforded full opportunity to submit proposals in response to this Request and will not be discriminated against on the grounds of race, color, or national origin in consideration of an award. Proposer agrees that should any person who performs work because of race, religion, color, sex, national origin, or ancestry.

11.1.3. The District reserves the right to reject any or all proposals, to waive any informalities or technical defects in proposals, and unless otherwise specified by the District, to accept any item or groups of items in the proposal, as in the best interest of the District.

11.2. Acceptance Period

11.2.1. All proposal offers must be firm for 120 days to allow for a signed contract. After that, prices are to be good for 1 calendar year from the contract date of June 1, 2016.

12. Vendor List

FEDERAL WORK AUTHORIZATION PROGRAM AFFIDAVIT

I, _____, being of legal age and having been duly sworn upon my oath, state the following facts are true:

1. I am over twenty-one years of age; and know of the matters set forth.
2. I am employed by _____ (“Company”) and have authority to issue this affidavit on its behalf.
3. Company is enrolled in and participating in the United States E-Verify federal work authorization program regarding Company’s employees working in connection with the services Company is providing to, or will provide to, the District, to the extent allowed by E-Verify.
4. Company does not knowingly employ any person who is an unauthorized alien in connection with the services the Company is providing to, or will provide to, the District.

FURTHER AFFIANT SAYETH NOT.

By: _____
(individual signature)

For _____
(company name)

Title: _____

Subscribed and sworn to before me on this _____ day of _____, 201____.

NOTARY PUBLIC

My commission expires:

BID PROPOSAL SUBMISSION FORM – ISD FLOORING REPLACEMENT

Proposal of _____ (hereinafter called "Bidder"), organized and existing under the laws of the State of _____, doing business as a corporation, a partnership, an individual (circle one) to the Board of Education, School District of Independence, Missouri (hereinafter called "Owner").

1. In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the INDEPENDENCE SCHOOL DISTRICT – ISD FLOORING REPLACEMENT in strict accordance with the Contract Documents, within the time set forth herein and at the prices stated below. Bidder should propose on individual base bids for specific project locations as noted below. Owner will award contract per individual base bid.

2. The Bidder hereby understands that time is of the essence on this project and is aware of the following critical completion dates:

SUBSTANTIAL COMPLETION July 15, 2016

FINAL COMPLETION July 20, 2016

3. The Bidder hereby understands that Liquidated Damages for the delay in completions shall be \$50.00 per calendar day.

4. By submission of this Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.

5. Bidder acknowledges receipt of the following ADDENDA: _____.

6. The undersigned, having familiarized itself with local conditions affecting the cost of the work at the place where the work is to be done and with all Bidding Documents, including the Instructions to Bidders, Plans and Specifications, General and Supplementary Conditions, the Standard Form of Agreement and the other Contract Documents, and having examined the location of the proposed work and considered the availability of labor and materials, hereby proposes and agrees to perform everything required to be performed, and to provide and furnish any and all labor, materials, supervision, necessary tools, equipment, and all utility and

transportation service necessary to perform and complete in a workmanlike and timely manner all of the work required for the project, all in strict conformance with the Instructions to Bidders and other Contract Documents (including Addenda noted above, the receipt of which is hereby acknowledged), for the lump sums hereinafter specified.

7. VAN HORN – VCT REPLACEMENT 200, 201, 202, 203, 206, 301, 313:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – VAN HORN – VCT REPLACEMENT 200, 201, 202, 203, 206, 301, 313; for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

8. WILLIAM CHRISMAN- VCT REPLACEMENT 232, 233, 234, 236, 238:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – WILLIAM CHRISMAN- VCT REPLACEMENT 232, 233, 234, 236, 238 for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

9. PIONEER MIDDLE SCHOOL- VCT REPLACEMENT POD B:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – PIONEER MIDDLE SCHOOL- VCT REPLACEMENT POD B for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

10. PROCTOR ELEMENTARY- VCT REPLACEMENT OFFICE:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – PROCTOR ELEMENTARY- VCT REPLACEMENT OFFICE for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

11. LUFF ELEMENTARY- CARPET TILES & LVT REPLACEMENT ENTRANCE & OFFICES:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – LUFF ELEMENTARY- CARPET TILES & LVT REPLACEMENT ENTRANCE & OFFICES for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

12. BLACKBURN ELEMETARY SCHOOL- CARPET TILE REPLACEMENT LIBRARY:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – BLACKBURN ELEMETARY SCHOOL- CARPET TILE REPLACEMENT LIBRARY for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

13. THREE TRAILS ELEMENTARY- CARPET TILES & LVT REPLACEMENT ENTRANCE & OFFICES:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – THREE TRAILS ELEMENTARY- CARPET TILES & LVT REPLACEMENT ENTRANCE & OFFICES for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

14. BRIDGER MIDDLE SCHOOL- CARPET TILE REPLACEMENT SW ALCOVE:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – BRIDGER MIDDLE SCHOOL- CARPET TILE REPLACEMENT SW ALCOVE for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

15. WILLIAM SOUTHERN ELEMENTARY SCHOOL- CARPET TILES & LVT REPLACEMENT ENTRANCE & OFFICES:

Bidder agrees to perform all the work described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – WILLIAM SOUTHERN ELEMENTARY SCHOOL- CARPET TILES & LVT REPLACEMENT ENTRANCE & OFFICES for the lump sum total of:

_____ Dollars and _____ cents.
\$ _____.

16. VOLUNTARY COMBO BID FOR ALL NINE (9) LOCATIONS:

Bidder agrees to perform all the work (VAN HORN, WILLIAM CHRISMAN, PIONEER MIDDLE, BRIDGER MIDDLE, PROCTOR, WILLIAM SOUTHERN, LUFF, BLACKBURN and THREE TRAILS) described in the Contract Documents for INDEPENDENCE SCHOOL DISTRICT – FLOORING REPLACEMENT for the lump sum of:

_____ Dollars and _____ cents.
\$ _____.

17. AMOUNTS FOR UNIT PRICES:

Bidder propose to base adjustments in the Contract Sum, if ordered by Owner during the Contract Time, on the unit prices listed below. These prices constitute full compensation or credit for the complete provision and installation for each item listed based solely on Work in place. The Unit Prices as stated include all necessary appurtenances and connections required to complete the Work in place, insurance, overhead, profit, and superintendence.

Unit Price 01: Floor Leveling Repair \$ _____ / SY
Unit Price 02: Cove Base \$ _____ / FT

18. The bidder hereby certifies that the following subcontractors will be used in the performance of the work on each or both projects. ALL General Contractors MUST furnish a copy of their proposed Sub-Contractor List by 4:00 PM CDT on bid day to be considered as valid. If not submitted at the time of Bidding, the list may be delivered, emailed (Robert_burkey@idschools.org) to the District offices, but must be received by no later than the time listed above.

RESPECTFULLY SUBMITTED:

Signature

Name (Please type or write clearly)

Company Name

Street

City, State, Zip Code

SEAL - (if BID is by a corporation)

Title

Date

Telephone Number

Fax Number

Email address

License number (if applicable)

Specification #1

BT354 Headstrong QS Tile

Collection	Renegade
Brand	Bigelow
Product Type	Tile
DESIGN	
Minimum Sq. Yd.	No minimum
Construction	Tufted
Surface Texture	Textured Patterned Loop
Gauge	1/12 (47.00 rows per 10 cm)
Density	5000
Weight Density	75,000
Stitches Per Inch	9.8 (38.58 per 10 cm)
Finished Pile Thickness	.101" (2.57 mm)
Dye Method	Solution Dyed
Backing Material	EcoFlex ICT
Alternate Backing	Upgrade to NXT Backing for Red List Free. Min req'd. Contact Rep for Details.
Fiber Type	Colorstrand® SD Nylon
Face Weight	15.0 oz per sq. yd. (509 g/m²)
Pattern Repeat	Not Applicable
Size/Width	24" x 24" (.6096 m x .6096 m)
Soil Release Technology	Sentry Plus
Installation Method	Vertical Ashlar, Quarter Turn, Multi Directional, Monolithic, Brick Ashlar
Indoor Air Quality	Green Label Plus 1098
Foot Traffic Recommendation TARR	Severe
NSF 140	Gold

PERFORMANCE

Static	AATCC-134 Under 3.5 KV
Flammability	ASTM E 648 Class 1 (Glue Down)
Smoke Density	ASTM E 662 Less than 450

SERVICE

Warranties	Lifetime Limited Tile Warranty
	Lifetime Limited Colorfastness to Light
	10 Year Limited Colorfastness to Atmospheric Contaminants
	10 Year Stain Warranty
	Lifetime Static



Color may vary from dye lot to dye lot. Substitution of material may be made due to improved technology, supply limitations, or other factors. The performance is not affected by such variances. All Specifications are subject to normal manufacturing tolerances.

www.mohawkgroup.com
800.554.6637

SPECIFICATION # 2

PART 1 -

SECTION 09 65 19 - RESILIENT TILE FLOORING

PART 2 - GENERAL

2.1 SUMMARY

A. Section Includes:

1. Vinyl composition floor tile.

B. Related Sections:

1. Section 09 65 13 "Resilient Base and Accessories" for resilient base, reducer strips, and other accessories installed with resilient floor coverings.

2.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: For each type of floor tile. Include floor tile layouts, edges, columns, doorways, enclosing partitions, built-in furniture, cabinets, and cutouts.

1. Show details of special patterns.

C. Samples for Verification: Full-size units of each color and pattern of floor tile required.

2.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified Installer.

2.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For each type of floor tile to include in maintenance manuals.

2.5 MATERIALS MAINTENANCE SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Floor Tile: Furnish 1 unopened box of each type, color, and pattern of floor tile installed.

2.6 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who employs workers for this Project who are competent in techniques required by manufacturer for floor tile installation indicated.
- B. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
 - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

2.7 DELIVERY, STORAGE, AND HANDLING

- A. Store floor tile and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store floor tiles on flat surfaces.

2.8 PROJECT CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive floor tile during the following time periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. Until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Close spaces to traffic during floor tile installation.
- D. Close spaces to traffic for 48 hours after floor tile installation.
- E. Install floor tile after other finishing operations, including painting, have been completed.

PART 3 - PRODUCTS

3.1 VINYL COMPOSITION FLOOR TILE (09 65 19.A01)

- A. General: Finish Color Schedule and material Color Schedule designation "F6".
- B. Basis of Design Product: Subject to compliance with requirements, provide; Armstrong World Industries, Inc.; "Standard Excelon", ASTM F 1066, Class 2, through-pattern tile.
- C. Wearing Surface: Smooth.

- D. Thickness: 0.125 inch.
- E. Size: 12 by 12 inches.
- F. Colors and Patterns: Picked Later.

3.2 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by manufacturer to suit floor tile and substrate conditions indicated.
- C. Floor Polish: Provide protective liquid floor polish products as recommended by manufacturer.

PART 4 - EXECUTION

4.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of floor tile.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

4.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F 710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended by manufacturer. Proceed with installation only after substrates pass testing.
 - 4. Moisture Testing: Moisture testing will be by others as part of Section 03 30 00. Contractor, at his option and expense may perform additional tests as he deems necessary and as specified in Subparagraph 3.2 B.5 below. Proceed with installation only after substrates pass testing.

5. Moisture Testing (Contractor's Option):
 - a. Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours, unless a higher rate is accepted by flooring manufacturer in writing.
 - 1) Perform tests so that each test area does not exceed 200 sq. ft., and perform no fewer than two tests in each installation area and with test areas evenly spaced in installation areas.
 - b. Perform relative humidity test using in-situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 80 percent relative humidity level measurement, unless a higher rate is acceptable to flooring manufacturer.
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install floor tiles until they are same temperature as space where they are to be installed.
 1. Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.
- E. Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.

4.3 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 1. Lay tiles square with room axis, unless otherwise indicated.
- C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
 1. Lay tiles in direction and in pattern as indicated on drawings.
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent, nonstaining marking device.
- G. Install floor tiles on covers for telephone and electrical ducts, building expansion-joint covers, and similar items in finished floor areas. Maintain overall continuity of color and pattern between pieces of tile installed on covers and adjoining tiles. Tightly adhere tile edges to substrates that abut covers and to cover perimeters.

- H. Adhere floor tiles to flooring substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

4.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protection of floor tile.
- B. Perform the following operations immediately after completing floor tile installation:
 - 1. Remove adhesive and other blemishes from exposed surfaces.
 - 2. Sweep and vacuum surfaces thoroughly.
 - 3. Damp-mop surfaces to remove marks and soil.
- C. Floor Polish: Remove soil, visible adhesive, and surface blemishes from floor tile surfaces before applying liquid floor polish.
 - 1. Apply three coat(s).
- D. Protect floor tile products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- E. Cover floor tile until Substantial Completion.

END OF SECTION 09 65 19

Global Entry



Shikumen | 585 Chi

Sereno and Shikumen Mohawk Group’s premier collection of heavy commercial resilient tile, Sereno and Shikumen, are offered in two concrete visuals and an updated 18” x 36” format. The commercial grade wear layer and M-Force™ Enhanced Urethane finish ensure these timeless products perform through the life of the installation.

Collection	Global Entry
Style Number / Name	C0004 (Sereno); C0005 (Shikumen)
Brand	Mohawk Group - Hard Surface
Product Type	Resilient Tile

 **DESIGN**

Overall Gauge	.10” (2.5mm)
Wear Layer	20 mil (0.5mm)
Finish	M-Force™ Enhanced Urethane
Texture	Light Emboss
Edge Profile	Microbevel
Colors Available / Size	Each color only available in size shown
Sereno	10 colors - 18” x 36” (457.2mm x 914.4mm)
Shikumen	4 colors - 18” x 36” (457.2mm x 914.4mm)
Packaging	40.5 sf/ctn (3.76 m²/ctn); 9 pcs/ctn; 38.18 lbs/ctn (17.31 kg/ctn)
Installation	Glue Down
Recommended Adhesive	M950 Acrylic, MS160 Spray, M700 Pressure Sensitive Adhesive
Optional Underlayment	Mohawk AccuSound™

 **PERFORMANCE**

Construction	Commercial Grade Resilient Tile
Classification	ASTM F1700 - Class III, Type A - Smooth, Type B - Embossed
Squareness	ASTM F2055 - Passes - 0.010 in. max
Size and Tolerance	ASTM F2055 - Passes - ±0.016 in. per linear foot
Thickness	ASTM F386 - Passes - Nominal ±0.005 in.
Dimensional Stability	ASTM F2199 - Passes - ≤ 0.024 in. per linear foot
Static Load Limit	ASTM F970 - Passes, modified - 1500 psi
Residual Indentation	ASTM F1914 - Passes - Average less than 8%
Slip Resistance	ASTM D2047 - Passes - > 0.6 Wet, 0.6 Dry
Resistance to Chemicals	ASTM F925 - Passes - No Change or Slight Change
Resistance to Light	ASTM F1515 - Passes - ΔE ≤ 8
Resistance to Heat	ASTM F1514 - Passes - ΔE ≤ 8
Critical Radiant Flux	ASTM E648 - Passes - ≥ 0.45 watts/cm², Class 1
Smoke Density	ASTM E662 - Passes

 **SUSTAINABILITY**

Certification	FloorScore® Certified
Bio-Based Content	Contains a minimum of 8% bio-based renewable resource content by total product weight
Phthalate-Free Composition	Avoids harmful phthalates by substituting a new bio-based, rapidly renewable plasticizer without sacrificing performance, quality and maintenance

 **SERVICE**

Warranty	Limited 10 Year Commercial
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Recommended Applications

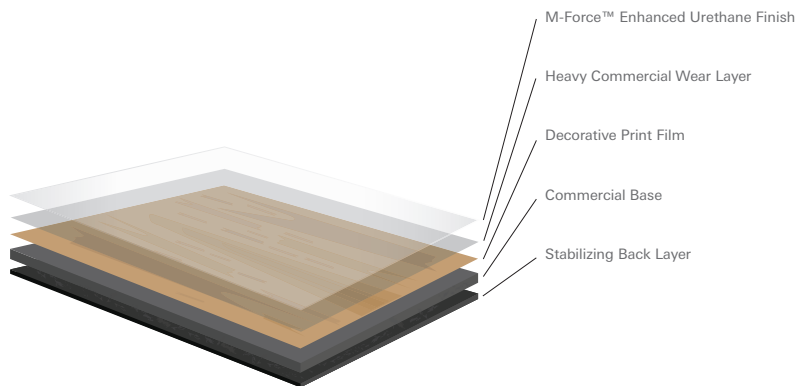
- Healthcare – non-aseptic areas of hospitals, senior living, medical office buildings
- Retail – high-traffic stores
- Hospitality – guest rooms, public space
- Corporate – lobbies, corridors, break rooms, offices
- Education – university centers, offices, cafeterias, classrooms, dormitories

Selling Features

- Wide range of visuals to accommodate a variety of end use segments and design schemes
- Updated 18” x 36” format
- M-Force™ Enhanced Urethane finish and 20 mil wear layer for heavy commercial traffic
- No-polish maintenance reduces costs associated with long-term cleaning

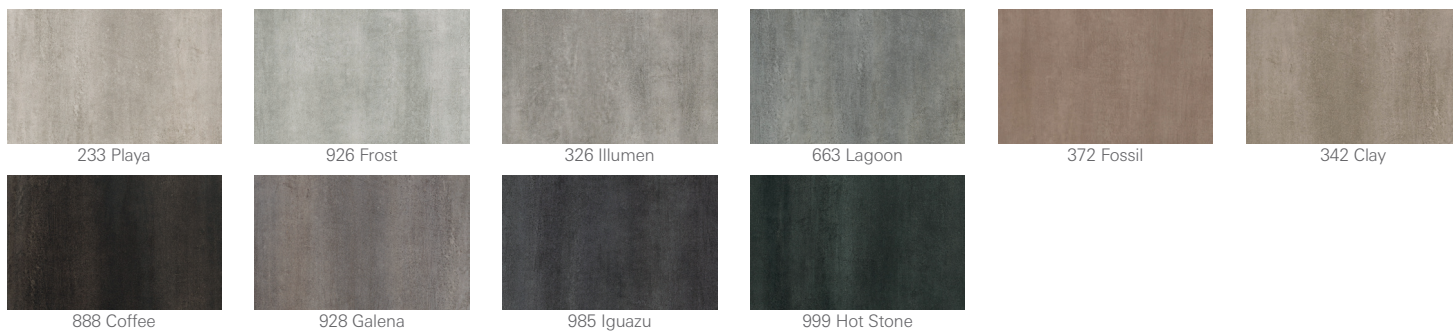
Global Entry Sereno and Shikumen

Construction Global Entry tiles feature a 20 mil commercial wear layer and are coated with M-Force™ Enhanced Urethane, which is polish-optional for versatile, cost-effective maintenance. The commercial backing layer supports the tile for dimensional stability.



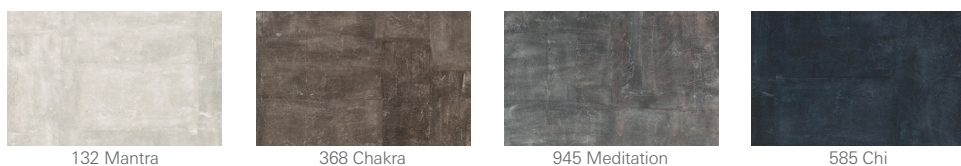
Sereno is a tranquil approach to resilient tile, featuring a pattern that blurs the line between contemporary concrete and serene sandstone visuals. Colors are inspired by natural materials like clay and sand, evoking feelings of calm in any space. The directional pattern works with a variety of installation methods, including herringbone and right angle designs, which take advantage of the large rectangular format.

Colorways available in 18" x 36" tiles

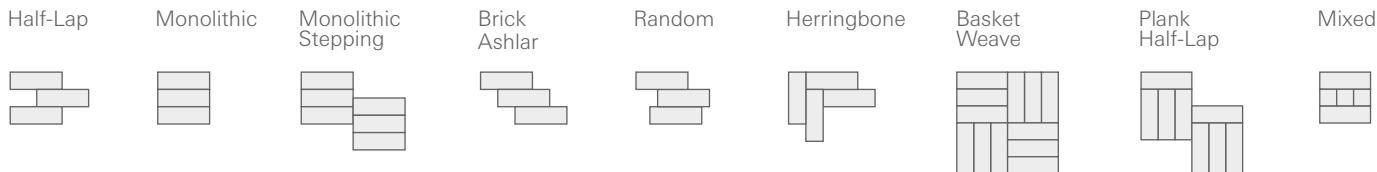


Shikumen elevates the cold, industrial feel of traditional concrete to a new generation of resilient tile. The all-over pattern pays homage to ancient frescoes, but offers the raw edge of a repurposed building. The energetic visual offers a non-directional option in an 18" x 36" tile and hides wear better than solid concrete visuals.

Colorways available in 18" x 36" tiles



Install Methods



SPECIFICATION #4

SECTION 096723 - RESINOUS FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes seamless resinous flooring systems with integral coved wall base.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include manufacturer's technical data, application instructions, and recommendations for each resinous flooring component required; in addition to the following:
 - 1. List each material and cross-reference the specific coating, finish system and application. Identify each material by manufacturer's catalog number and general classification.
 - 2. Laboratory Test Reports: For resinous flooring systems, documentation indicating that products comply with the testing and product requirements of the California Department of Public Health's (formerly, the California Department of Health Services') "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
- B. Samples for Initial Selection: Where colors and textures are not specifically indicated in Owner's Scope of Work, submit color and texture samples for Owner's selection.
- C. Samples for Verification: Prior to beginning work, submit samples for each resinous flooring system color, texture and sheen required and as follows:
 - 1. Samples shall be 6 inches square, applied to a rigid backing by Installer for this Project.
 - 2. Resubmit samples as requested until required sheen, color and texture is acceptable to Owner.

1.4 INFORMATIONAL SUBMITTALS

- A. Installer Certificates: Submit certificates signed by resinous flooring manufacturer certifying that installer complies with specified requirements, in addition to the following:
 - 1. Submit substantiating evidence experience installing the specific brand of products proposed in similar areas, in addition to meeting Installer Qualification criteria.
- B. Material Certificates: For each resinous flooring component, from manufacturer.
- C. Material Test Reports: For each resinous flooring system, by a qualified testing agency.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For resinous flooring to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an Installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated. Installer shall be/have been trained by flooring system manufacturer with experience in application and installation of systems similar in complexity to those required for this project, in addition to the following:
1. Installer shall have a minimum of three (3) years continuous experience under the current company name.
 2. Installer shall submit a reference list of at least nine (9) projects, similar in size and applied system(s), completed in the states of Missouri and Kansas. Include contact information for General Contractor or Construction Manager, as applicable, and Owner. List types and names of systems installed, each material/component of system(s) installed, quantity installed and dates completed.
- B. Mockups: Prior to commencing work, at Owner Representative's discretion, install a 20 sq ft. mockup sample of each type of seamless resinous flooring required, of selected color, sheen and texture. When approved, sample will serve as standard for the project.
1. Locate mockup as directed by Owner.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components. Include handling instructions and precautions.
- B. Store materials not in actual use in tightly covered containers at a minimum ambient temperature of 45 deg F in a well-ventilated area. Maintain containers in clean condition, free from foreign material and residue.
1. Protect liquid components from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary precautionary measures to ensure workmen and work areas are adequately protected from fire hazards and health hazards resulting from handling, mixing and application of floor systems.

1.8 FIELD CONDITIONS

- A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.
1. Do not commence work until the building can be maintained at a temperature range between 60 deg F and 90 deg F for 48 hours before, during and 48 hours after application. Broom clean areas (reasonably dust free) and have adequate controlled ventilation.
 2. Maintain ventilation in each area indicated to receive resinous flooring until completion of the resinous flooring work in that area.
- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.

- C. Close spaces to traffic during resinous flooring application and for 24 hours after application unless manufacturer recommends a longer period.
- D. Surfaces to receive resinous flooring must be acceptable and in accordance with flooring system manufacturer's recommendations.
 - 1. Notify Owner in writing of unsuitable surfaces and conditions. Commencement of work implies acceptance of surfaces and working conditions.

1.9 PROTECTION

- A. Protect adjacent surfaces from damage resulting from work of this trade. If necessary, mask and/or cover adjacent surfaces, fixtures, cabinetry, equipment, etc. by suitable means.
- B. Post "NO SMOKING" signs while work is in progress and during curing.

1.10 SPECIAL WARRANTY

- A. Contractor, manufacturer and installer have responsibility for an extended corrective period for work of this Section for a period of three (3) years from date of Substantial Completion against all conditions indicated below, and when notified in writing by Owner, Contractor/manufacturer/installer shall promptly and without inconvenience and cost to the Owner, correct said deficiencies in compliance with the requirements of the Conditions of the Contract.
 - 1. Flooring system manufacturer and Installer shall co-sign warranty and shall be responsible for:
 - a. Bond failure of system(s) to substrate.
 - b. System yellowing, including regionalized discoloration.
 - c. Excessive wear.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Low-Emitting Materials: Flooring system shall comply with the testing and product requirements of the California Department of Public Health's (formerly, the California Department of Health Services) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
- B. Flammability: Self-extinguishing according to ASTM D 635.

2.2 MANUFACTURERS

- A. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, body coats, and topcoats, from single source from single manufacturer to ensure material compatibility, chemical and mechanical bond; quality of materials, color and pattern consistency. Obtain secondary materials, including patching and fill material, color chips/flakes and granules, joint sealant, and repair materials, of type and from manufacturer recommended in writing by manufacturer of primary materials.

2.3 RESINOUS FLOORING

- A. Basis-of-Design Product: Subject to compliance with specified requirements, provide Desco Coatings, Inc.; "Desco Quartz Cremona DB" resinous flooring system.
1. Comparable products from those manufacturers listed hereinafter, which meet or exceed specified requirements, will be considered only when submitted to and accepted by District prior to bidding.
 - a. Dur-A-Flex.
 - b. Tennant.
 - c. Tnemec.
- B. Resinous Flooring System: System shall be a double broadcast, abrasion-, UV-, impact-, and chemical-resistant, aggregate-filled, and resin-based monolithic floor surfacing designed to produce a seamless floor and integral cove base.
- C. System Characteristics:
1. Color and Pattern: As selected by Owner from manufacturer's full range. No more than 4 colors will be selected by District.
 2. Artwork for floor to be furnished by District.
 3. Wearing Surface: Textured for slip resistance as selected by District.
 4. Overall System Thickness: Not less than 1/8 inch.
- D. Primer: Provide manufacturer's recommended moisture mitigating primer to suit substrate and resinous flooring system indicated.
1. Formulation Description: 100 percent solids.
 2. Moisture mitigating primer shall be capable of mitigating moisture vapor emission through substrate to which it is applied, up to at least 95 percent in-situ relative humidity or 15 lb of water/1000 sq. ft. of slab area in 24 hours.
- E. Reinforcing Membrane: Flexible resin formulation that is recommended by resinous flooring manufacturer for substrate and resinous flooring system indicated and that inhibits substrate cracks and control joints from reflecting through resinous flooring.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Desco Coatings, Inc.; 570 Membrane or comparable product.
 - a. Provide fiberglass scrim embedded in reinforcing membrane.
- F. Patching and Fill Material: Resinous product of or approved by resinous flooring manufacturer and recommended by manufacturer for application indicated.
- G. Body Coats:
1. Resin: Epoxy.
 2. Formulation Description: 100 percent solids.
 3. Type: Clear or colored to suit design mix selected.
 4. Application Method: Self-leveling slurry with broadcast aggregates.
 5. Aggregates: Colored quartz (ceramic-coated silica).
 - a. Quartz aggregate shall be Grade 28.

- H. Topcoats: Sealing or finish coats.
 - 1. Resin: Aliphatic Urethane.
 - 2. Formulation Description: High solids.
 - 3. Type: Clear.
 - 4. Number of Coats: As required to achieve overall system thickness specified and texture selected.
 - 5. Finish Texture and Sheen: Match sample approved by Owner.

- I. Integral Cove Base: Provide 4 inch high integral cove base with 1 inch radiused cove and bullnosed top edge termination. Provide keyed joint where resinous flooring terminates with other materials.

- J. System Physical Properties: Provide resinous flooring system with the following minimum physical property requirements when tested according to test methods indicated:
 - 1. Compressive Strength (Binder): 10,000 psi minimum according to ASTM D 695.
 - 2. Compressive Strength (System): 9,000 psi minimum according to ASTM C 579.
 - 3. Tensile Strength: 1,800 psi minimum according to ASTM C 307.
 - 4. Bond Strength: 400 psi minimum according to ASTM D 4541.
 - 5. Water Absorption: 0.04 percent maximum according to ASTM D 570.
 - 6. Impact Resistance: No chipping, cracking, or delamination and not more than 1/16-inch permanent indentation according to MIL-D-3134J.
 - 7. Resistance to Elevated Temperature: No slip or flow of more than 1/16 inch according to MIL-D-3134J.
 - 8. Abrasion Resistance: 25 mg maximum weight loss according to ASTM D 4060.
 - 9. Hardness: 75-80 Shore D according to ASTM D 2240.

- K. System Chemical Resistance: Test specimens of cured resinous flooring system are unaffected when tested according to ASTM D 1308 for 50 percent immersion in the following reagents for no fewer than seven days:
 - 1. Bleach (3%).
 - 2. Coffee.
 - 3. Hydro peroxide (3%).
 - 4. Nitric acid (10%).
 - 5. Phosphoric acid (20%).
 - 6. Sodium hydrate (40%).
 - 7. Urine.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Contractor shall examine subfloor surfaces to verify all substrates and conditions are satisfactory. A satisfactory subfloor surface is defined as one that is smooth and free from cracks, holes, ridges, curing compounds, and other adhesives and coatings that may inhibit bonding capability of resinous flooring and primer, as well as other defects that may impair performance and appearance.
 - 1. A satisfactory subfloor surface is further defined as one that meets the alkalinity and moisture vapor emissions criteria set forth hereinafter.

3.2 PREPARATION

- A. Prepare and clean substrates according to resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.
 - 1. Areas where flooring is existing, must be cleaned to remove all floor material, adhesives, grease or any residue that may interfere with interfacial adhesion between substrate and new resinous flooring system.
 - 2. Prepare concrete substrates by shot blasting or grinding to achieve surface profile recommended by resinous flooring manufacturer.

- B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, adhesives, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
 - 1. Roughen concrete substrates as follows:
 - a. Shot-blast surfaces with an apparatus that abrades the concrete surface, contains the dispensed shot within the apparatus, and recirculates the shot by vacuum pickup.
 - b. Comply with ASTM C 811 requirements unless manufacturer's written instructions are more stringent.
 - 2. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
 - 3. Moisture Testing: Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.
 - a. Anhydrous Calcium Chloride Test: ASTM F 1869. Proceed with application of resinous flooring only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. of slab area in 24 hours.
 - b. Relative Humidity Test: Use in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
 - 4. Alkalinity and Adhesion Testing: Verify that concrete substrates have pH within acceptable range. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.

- C. Patching and Filling: Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.
 - 1. Control Joint Treatment: Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.

- D. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.

3.3 APPLICATION

- A. Proceed with resinous flooring work after subfloor surfaces are satisfactory. Commencement of resinous flooring work is construed as Installer's acceptance of substrate surfaces within a particular area.

- B. Apply components of resinous flooring system according to manufacturer's **latest** written instructions, employing technically-trained, approved mechanics, to produce a uniform, monolithic wearing surface of thickness indicated.
 - 1. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum intercoat adhesion.
 - 2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
 - 3. Expansion and Isolation Joint Treatment: At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.
 - a. Do not fill moving isolation joints or expansion joints.
 - b. At movement joints, provide membrane isolation strips and reinforcing tape as recommended by resinous flooring manufacturer.
- C. Moisture Mitigating Primer: Apply primer over prepared substrate at manufacturer's recommended spreading rate to prevent moisture migration through substrate involved.
- D. Reinforcing Membrane: Apply reinforcing membrane to substrate cracks.
 - 1. Fill non-moving control joints with approved elastomeric sealant or full-depth semi-rigid two-component epoxy joint filler, designed specifically for this purpose (use full-depth semi-rigid joint filler when reinforcement of the joint edge is desirable), or two-component epoxy and filler (epoxy to be same material as flooring).
- E. Integral Cove Base: Apply integral cove base mix to wall surfaces before applying flooring. Apply according to manufacturer's written instructions and details, including those for taping, mixing, priming, troweling, sanding, and topcoating of cove base. Round internal and external corners.
 - 1. Integral Cove Base: 5 inches high.
 - 2. Hand-sand cove base and 4 inches onto field of floor.
 - 3. Apply three topcoats to assure smooth surface of the cove base.
- F. Troweled or Screeded Body Coats: Apply troweled or screeded body coats in thickness indicated for flooring system. Hand or power trowel and grout to fill voids. When body coats are cured, remove trowel marks and roughness using method recommended by manufacturer.
- G. Grout Coat: Apply grout coat, of type recommended by resinous flooring manufacturer, to fill voids in surface of final body coat.
- H. Topcoats: Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer and to produce wearing surface indicated.
- I. Cure resinous flooring in compliance with flooring manufacturer's directions to prevent contamination during all stages of application.
- J. Finish work shall match approved samples; be uniform in thickness, sheen, color and texture; and be free of defects detrimental to appearance and performance.

3.4 FIELD QUALITY CONTROL

- A. Material Sampling: Owner may, at any time and any number of times during resinous flooring application, require material samples for testing for compliance with requirements.
 - 1. Owner will engage an independent testing agency to take samples of materials being used. Material samples will be taken, identified, sealed, and certified in presence of Contractor.
 - 2. Testing agency will test samples for compliance with requirements, using applicable referenced testing procedures or, if not referenced, using testing procedures listed in manufacturer's product data.
 - 3. If test results show applied materials do not comply with specified requirements, pay for testing, remove noncomplying materials, prepare surfaces coated with unacceptable materials, and reapply flooring materials to comply with requirements.

- B. Core Sampling: At the direction of Owner and at locations designated by Owner, take one core sample per 1000 sq. ft. of resinous flooring, or portion of, to verify thickness. For each sample that fails to comply with requirements, take two additional samples. Repair damage caused by coring. Correct deficiencies in installed flooring as indicated by testing.

3.5 CLEANING AND PROTECTION

- A. Clean resinous flooring prior to Substantial Completion. Use materials and procedures recommended by resinous flooring manufacturer.

- B. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.
 - 1. Remove any temporary covering prior to cleaning and final inspection.

END OF SECTION 096723

SPECIFICATION #5

PART 1 -

SECTION 09 65 13 - RESILIENT BASE AND ACCESSORIES

PART 2 - GENERAL

2.1 SUMMARY

- A. Section Includes:
 - 1. Resilient base (09 65 13.A01).
 - 2. Resilient molding accessories.
- B. Related Requirements:
 - 1. Section 03 30 00 "Cast-in-Place Concrete."

2.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples for Verification: For each type of product indicated and for each color, texture, and pattern required in manufacturer's standard-size Samples, but not less than 12 inches long.

2.3 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Furnish not less than 10 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient product installed.

2.4 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

2.5 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 65 deg F or more than 95 deg F, in spaces to receive resilient products during the following time periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.

- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 3 - PRODUCTS

3.1 THERMOPLASTIC-RUBBER BASE (09 65 13.A01)

- A. General: Material Color Schedule designation: Selected by District after award.
- B. Basis-of-Design Product: Subject to compliance with requirements, Roppe Corporation: Pinnacle Rubber Base or comparable product from one of the following:
 - 1. Allstate Rubber Corp.
 - 2. Armstrong World Industries, Inc.
 - 3. Burke Mercer Flooring Products, Division of Burke Industries Inc.
 - 4. Flexco.
 - 5. Mondo Rubber International, Inc.
 - 6. Nora Systems, Inc.
 - 7. VPI, LLC, Floor Products Division.
- C. Product Standard: ASTM F 1861, Type TP (rubber, thermoplastic).
 - 1. Group: I (solid, homogeneous).
 - 2. Style: Cove.
- D. Thickness: 0.125 inch.
- E. Height: 4 inches.
- F. Lengths: Coils in manufacturer's standard length.
- G. Outside Corners: Job formed.
- H. Inside Corners: Job formed.
- I. Colors: As indicated by manufacturer's designations on the Material Color Schedule.

3.2 RUBBER MOLDING ACCESSORY (09 65 13.A06)

- A. Description: Rubber nosing for carpet, nosing for resilient flooring, reducer strip for resilient flooring, joiner for tile and carpet, and transition strips.
- B. Locations: Provide rubber molding accessories in areas indicated.
- C. Colors and Patterns: As indicated by manufacturer's designations on Material Color Schedule.

3.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.

- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.

PART 4 - EXECUTION

4.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Installation of resilient products indicates acceptance of surfaces and conditions.

4.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- C. Do not install resilient products until they are the same temperature as the space where they are to be installed.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

4.3 RESILIENT BASE INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practical without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.
- G. Job-Formed Corners:

1. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Form without producing discoloration (whitening) at bends.
2. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Miter or cope corners to minimize open joints.

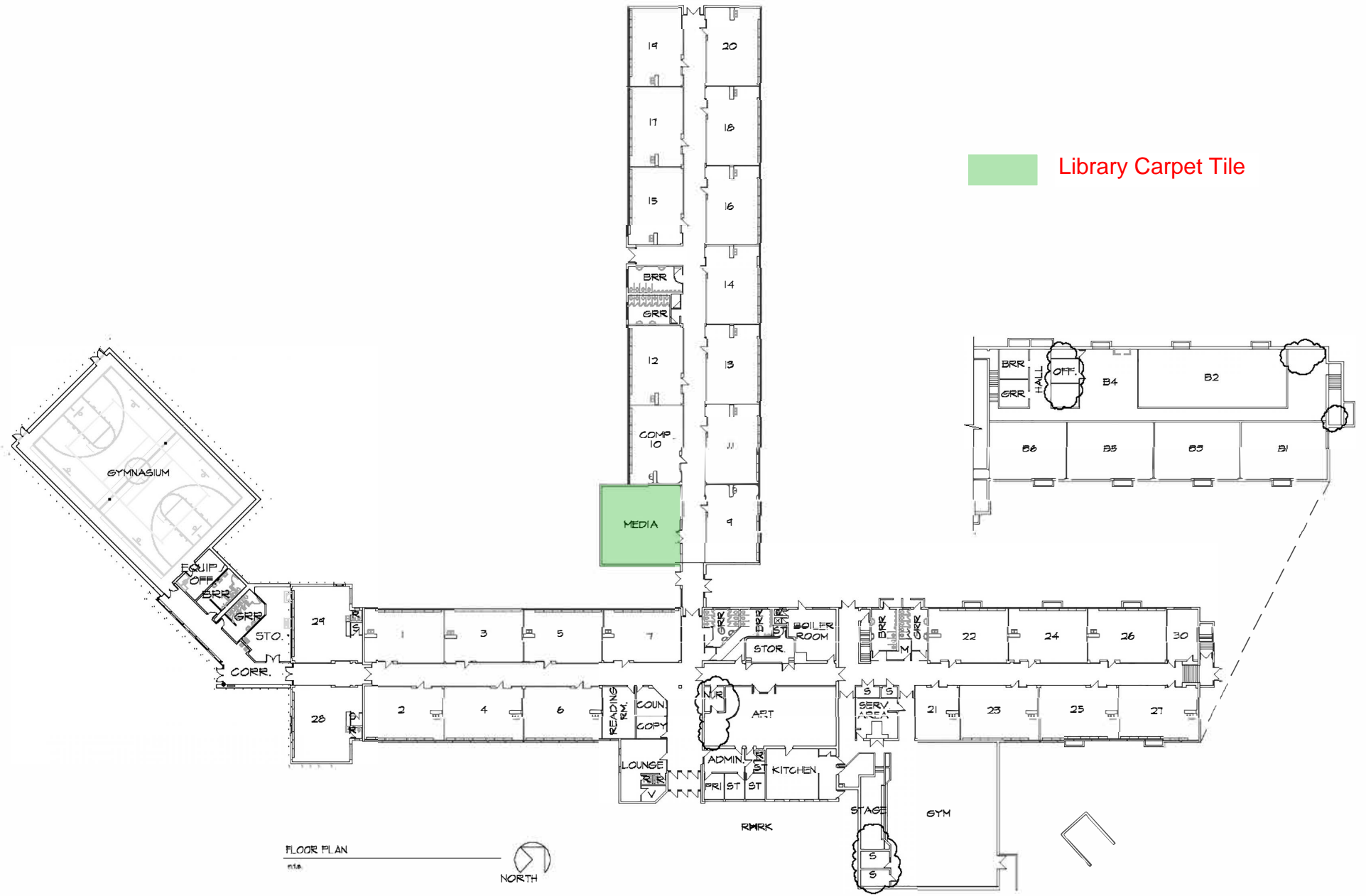
4.4 RESILIENT ACCESSORY INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient accessories.
- B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor covering that would otherwise be exposed.

4.5 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting resilient products.
- B. Perform the following operations immediately after completing resilient-product installation:
 1. Remove adhesive and other blemishes from exposed surfaces.
 2. Sweep and vacuum horizontal surfaces thoroughly.
 3. Damp-mop horizontal surfaces to remove marks and soil.
- C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient products subject to wear and foot traffic until Substantial Completion.

END OF SECTION 09 65 13



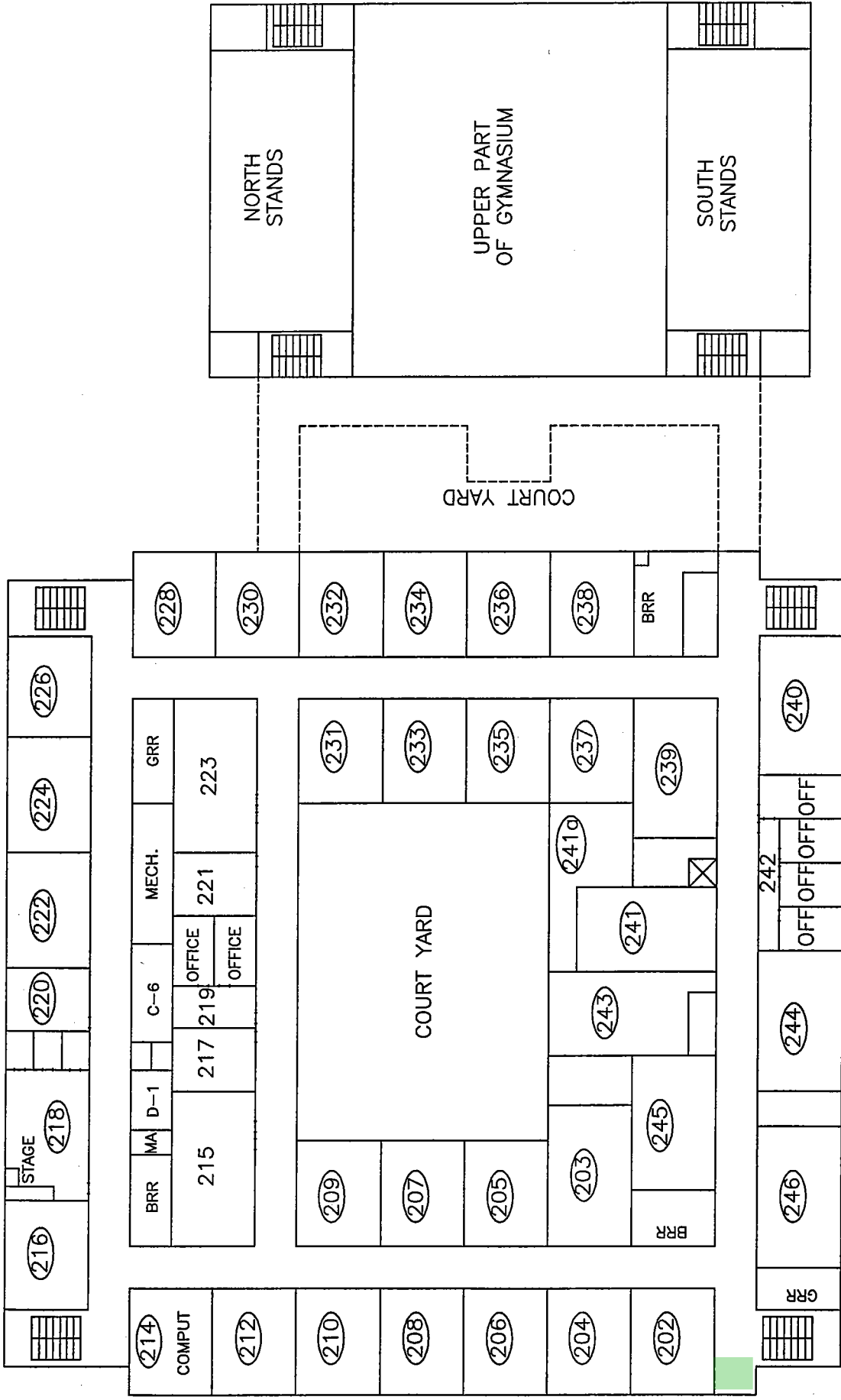
Date 11-28-11

BLACKBURN ELEMENTARY

Independence School District
Independence, Missouri

ACI BOLAND
ARCHITECTS PLANNERS INTERIOR DESIGNERS

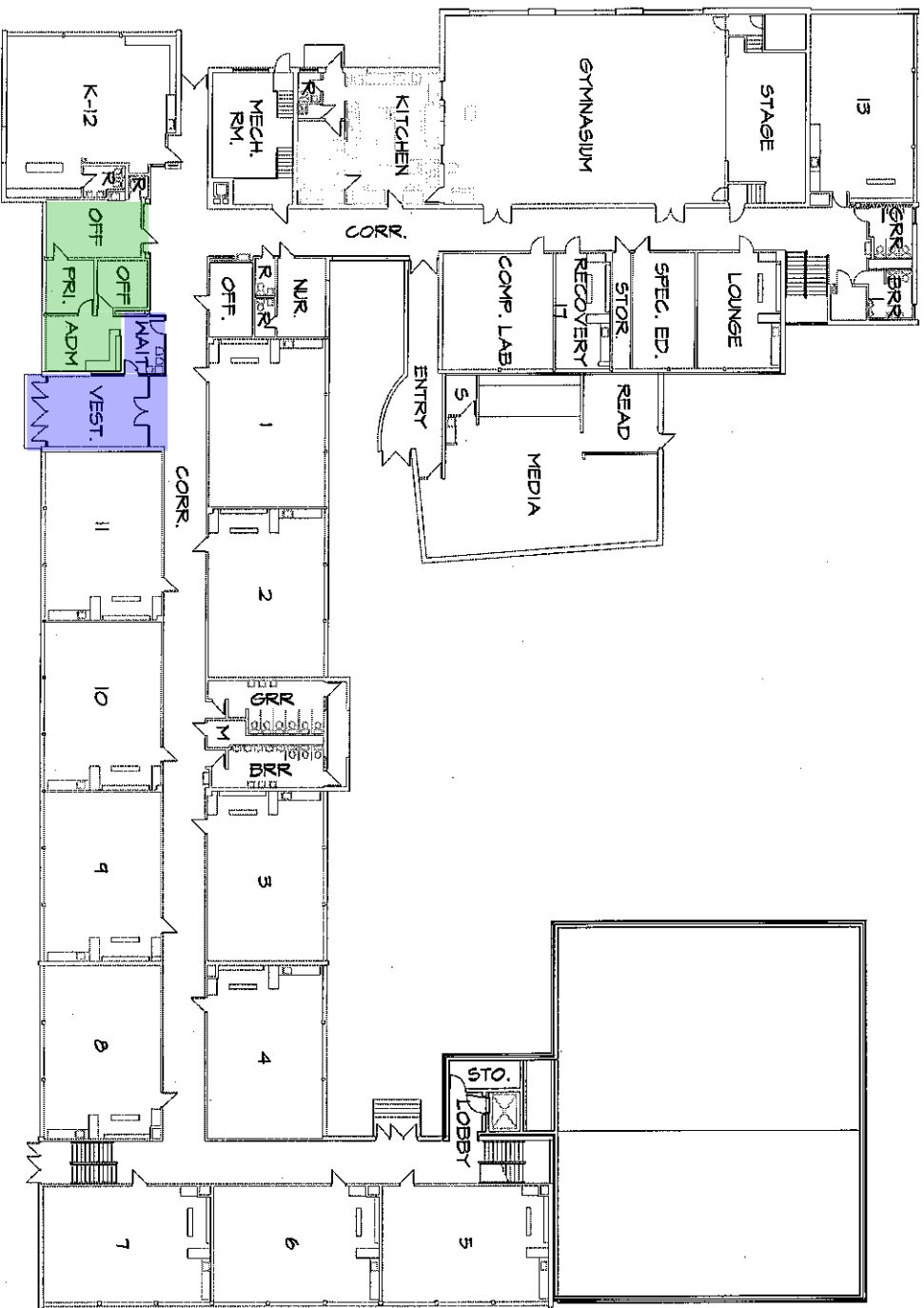
1421 E. 104th Street, #2100
Kansas City, MO 64131
816.783.9600
816.783.9757 fax



Carpet Tile

BRIDGER
2 FLOOR
NO SCALE

LVT
 Carpet Tile



MAIN LEVEL FLOOR PLAN
 11.13. NORTH

LUFF ELEMENTARY

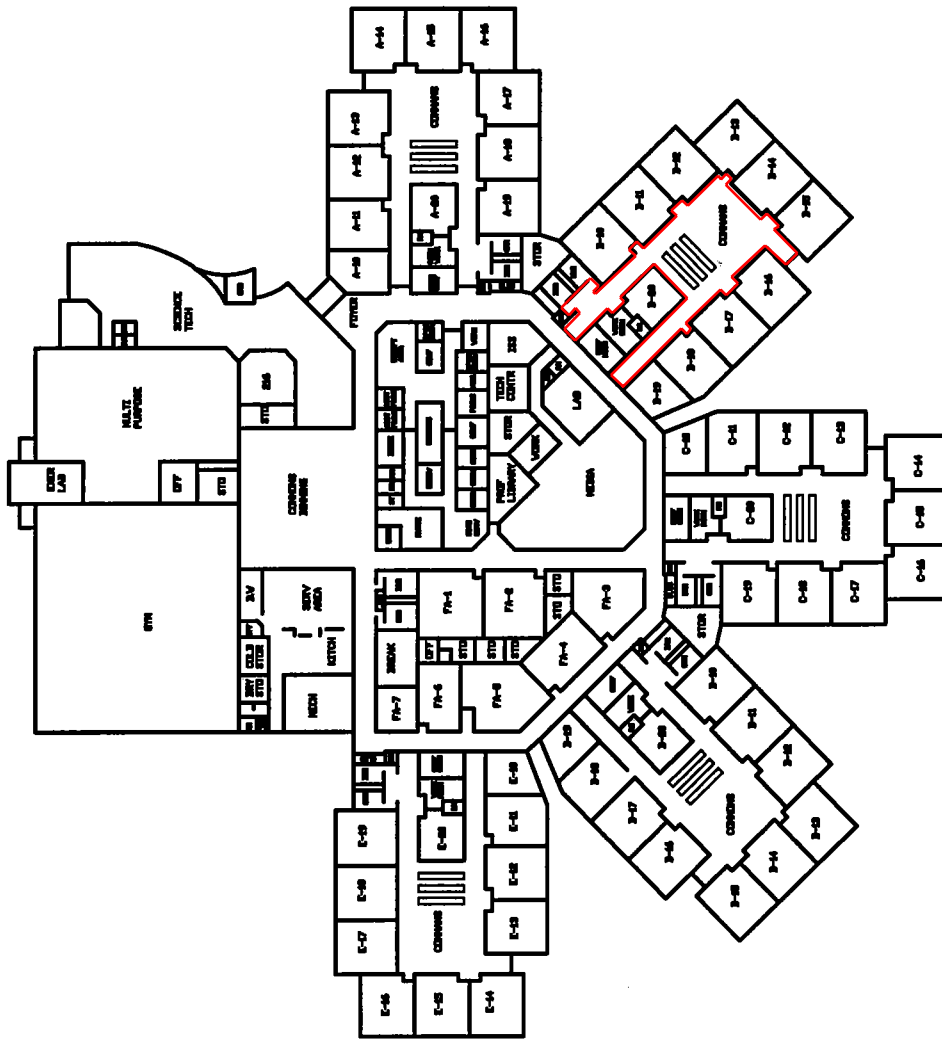
Independence School District
 Independence, Missouri

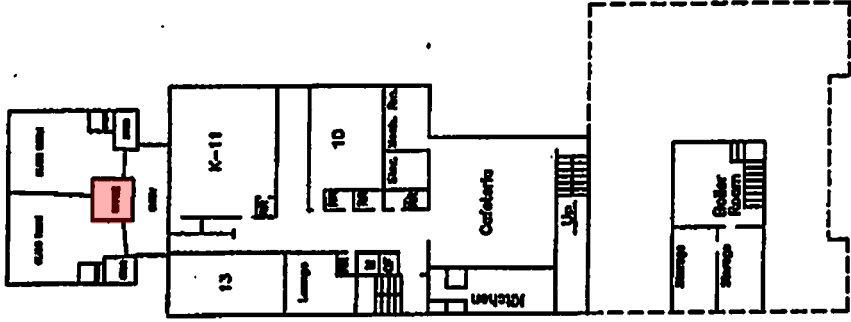
ACI BOLAND
 ARCHITECTS PLANNERS INTERIOR DESIGNERS

1421 E. 104th Street, 8th Fl.
 Kansas City, MO 64131
 816.763.9000
 816.763.9727 fax

Date 11-28-11

VCT Tile
B Pod






Ground Floor

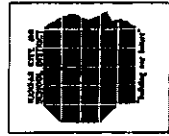
VCT Tile



DRAWN BY	INDEPENDENCE SCHOOL DISTRICT
FILE NAME	INDEPENDENCE, MISSOURI
PROJECT	PROCTER ELEMENTARY
NO. SCALE	
NO.	

THREE TRAILS


ToponAm
 Associates, Inc.
 200 N. CHINA ST.
 HOUSTON, TX 77002
 (713) 861-1100



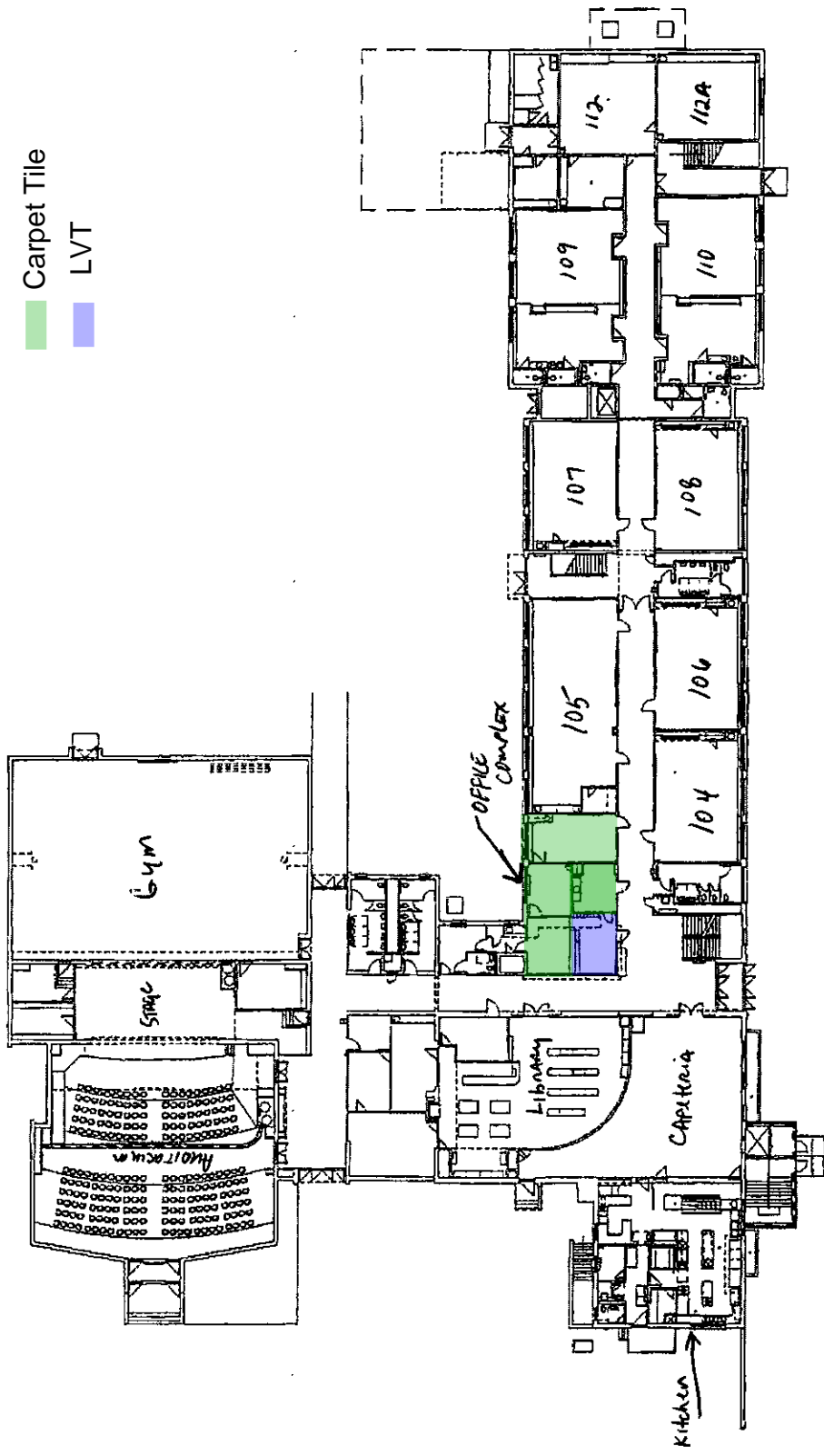
THESE WORKS REPRESENT
 AN APPROXIMATE
 REPRESENTATION


PROJECT NO.	2001.00
DATE	01/01/01
DESIGNER	TOPONAM ASSOCIATES, INC.
SCALE	AS SHOWN
DATE	01/01/01
BY	TOPONAM ASSOCIATES, INC.
CHECKED BY	TOPONAM ASSOCIATES, INC.

FIRST FLOOR PLAN
A-2

Carpet Tile

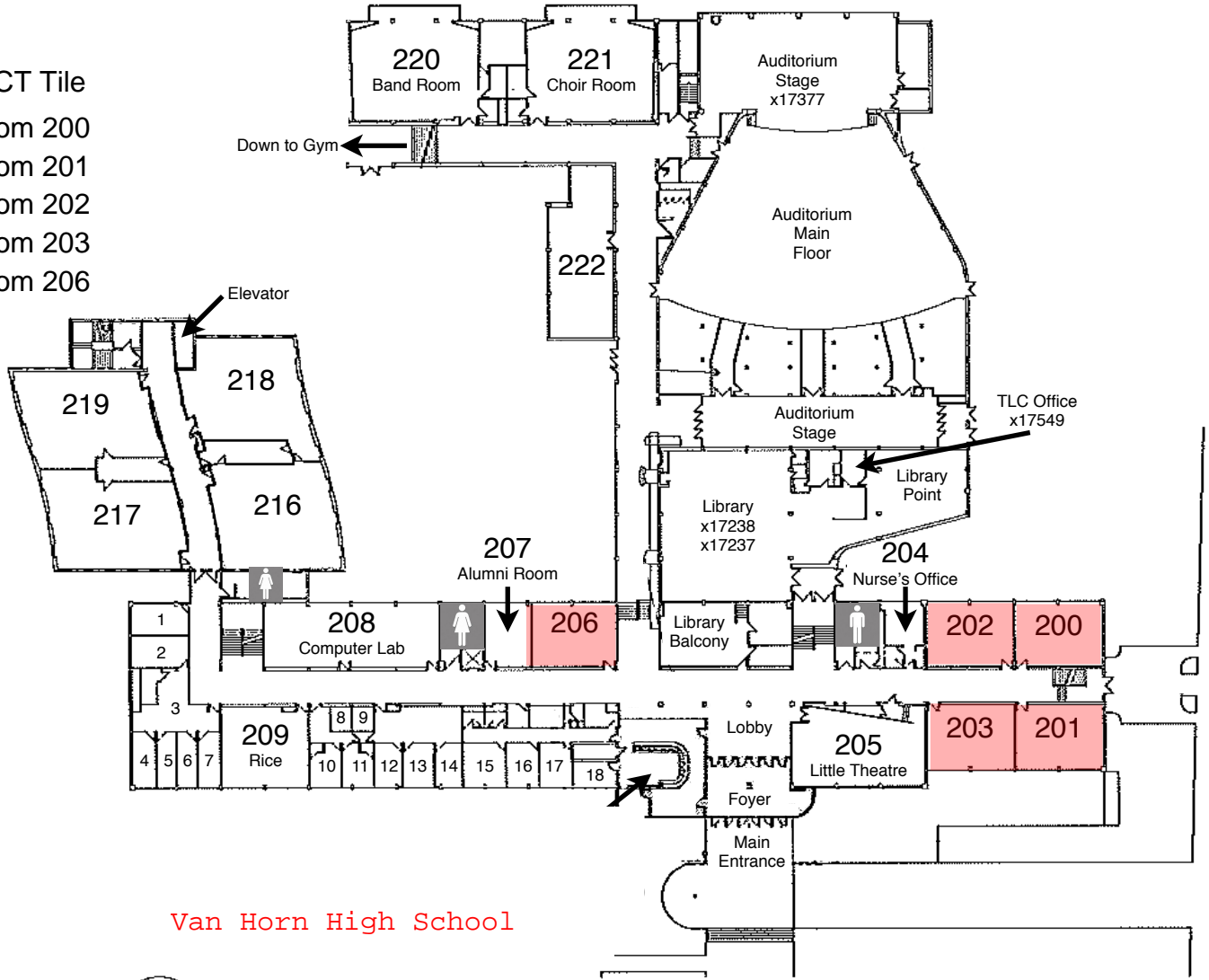
 LVT

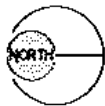

 FIRST FLOOR PLAN
 SCALE 1/8" = 1'-0"

VCT Tile

- Room 200
- Room 201
- Room 202
- Room 203
- Room 206



Van Horn High School



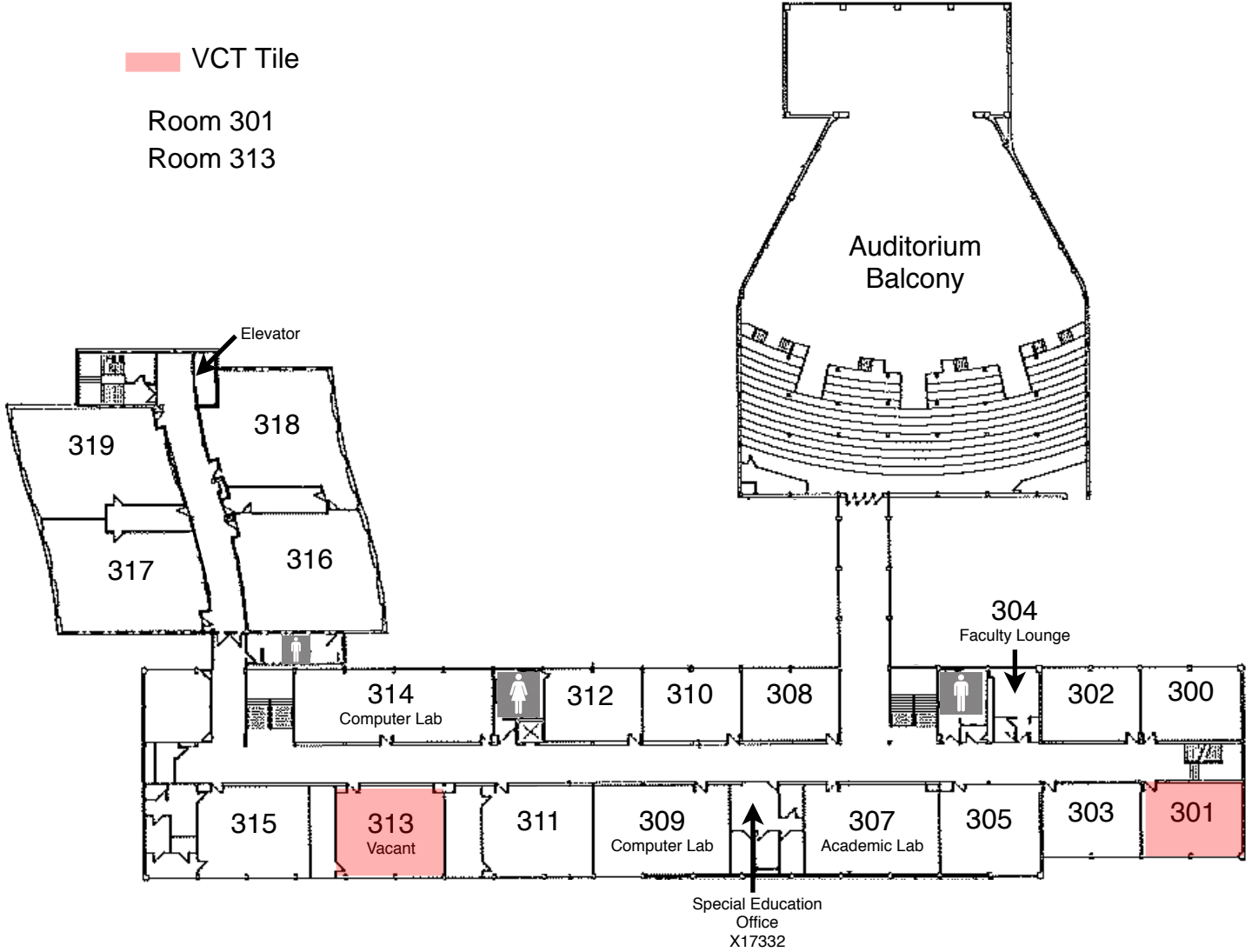
SECOND FLOOR BLDG PLAN

133' x 130'

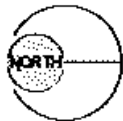
VCT Tile

Room 301

Room 313



Van Horn High School

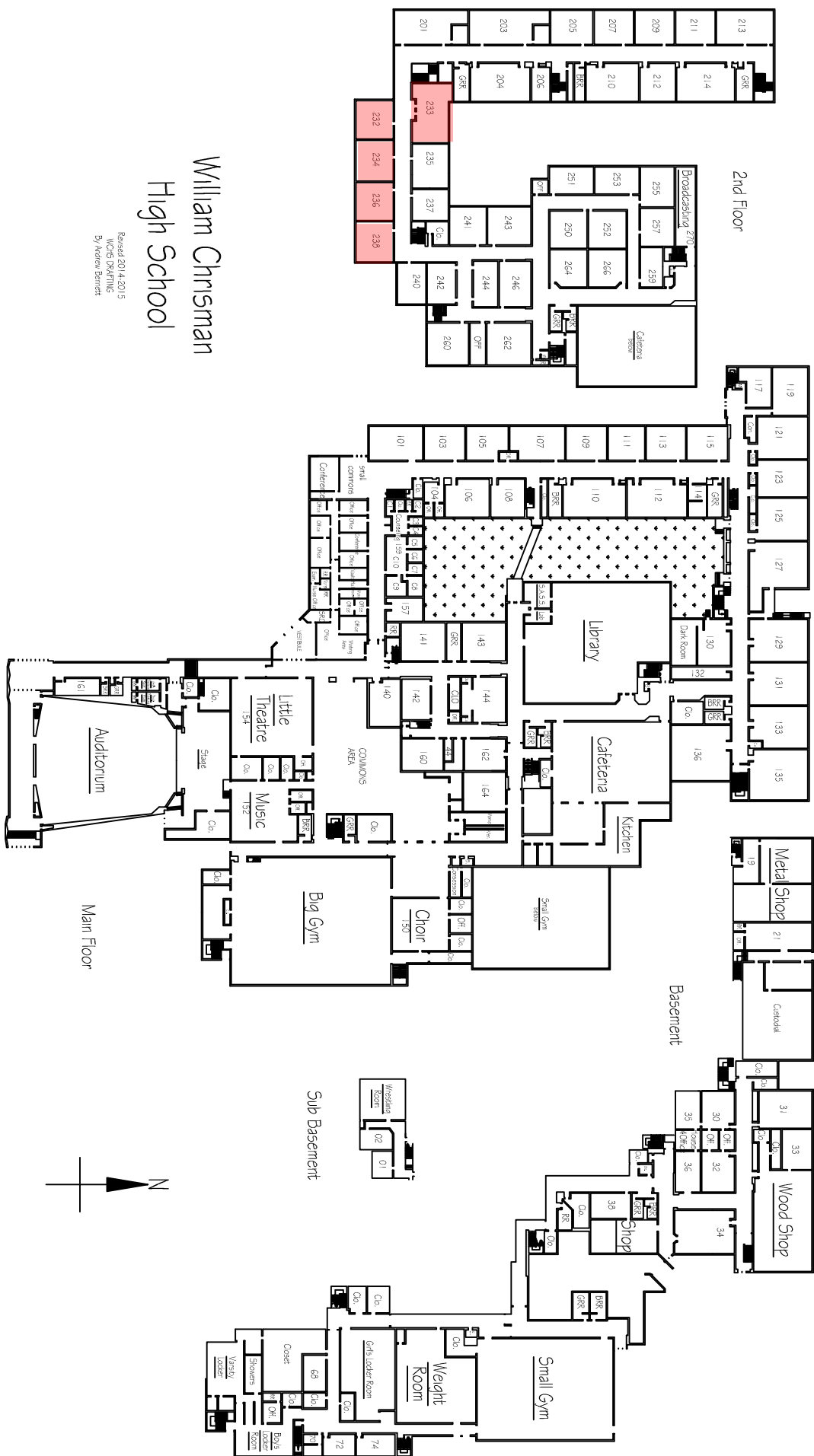


THIRD FLOOR BLDG PLAN

1/32" = 1'-0"

VCT Tile

Room 232 Room 233 Room 234
Room 236 Room 238



William Chrisman High School

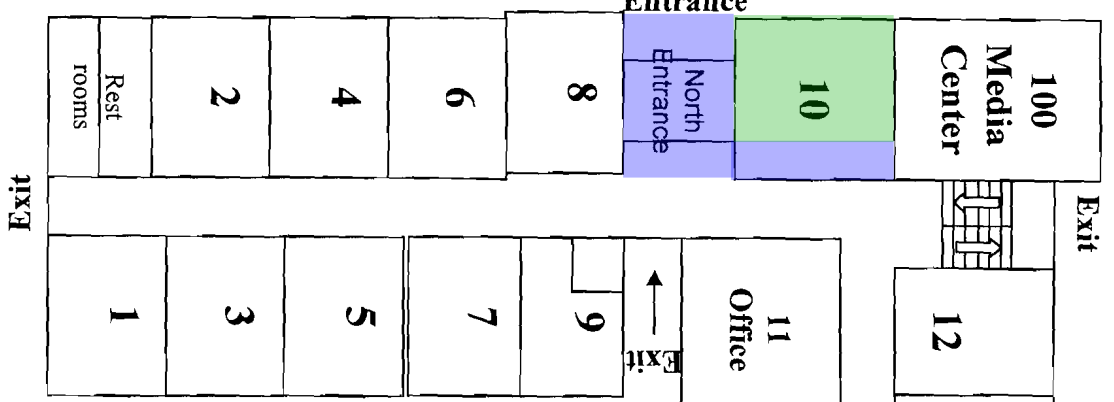
Revised 2014-2015
VCTS SKETCHING
By Andrew Bennett

NEW

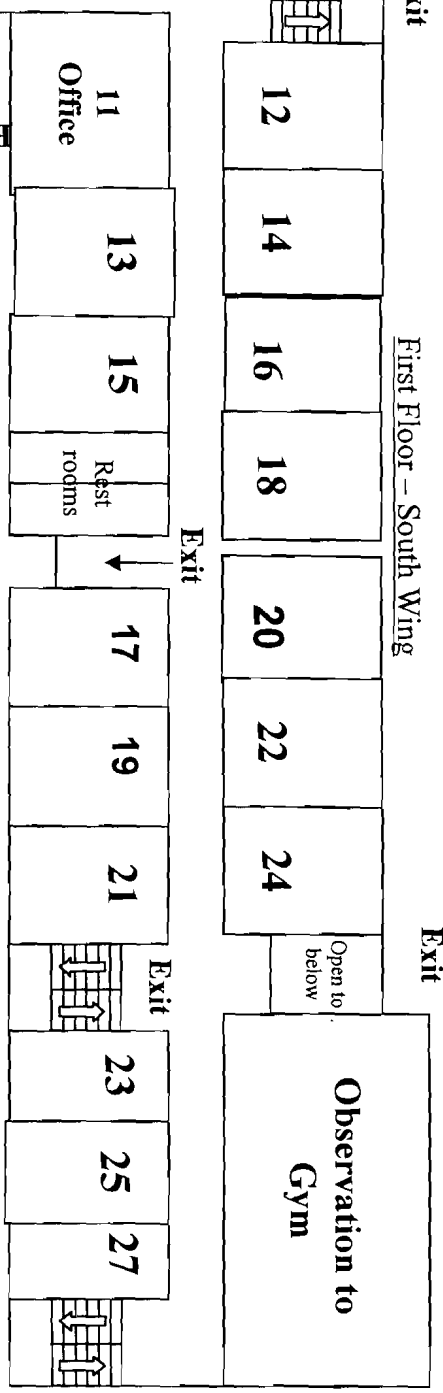
Garage
CHAFFIN
win hall
middle
chaffin
Twin
Sun

Main Entrance

First Floor - West Wing



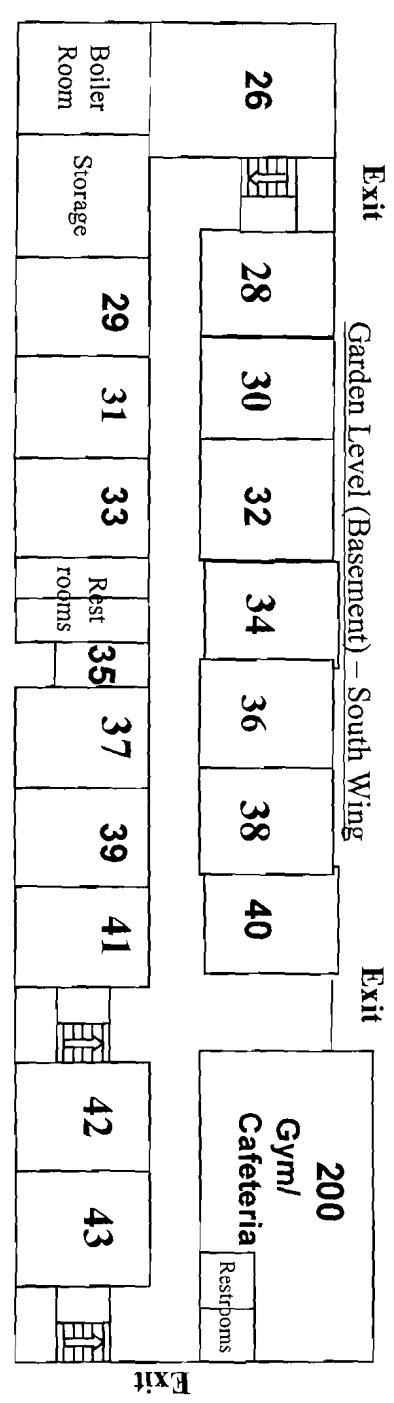
First Floor - South Wing



William Southern Elementary

LVT
 Carpet Tile

Garden Level (Basement) - South Wing



Exit Exit