



# Request for *proposal*

**EPOXY AND SIMERRAZZO FLOORING FOR DISTRICT BUILDINGS  
RFP# 2025-PUR-023**

**PROPOSALS MUST BE RECEIVED BY:  
9:30 AM (CST) ON FRIDAY, MARCH 28, 2025**

Please mark your sealed envelope **“RFP #2025-PUR-023 Epoxy and Simerrazzo Flooring for District Buildings Proposal”** and deliver to the following address and person:

Lisa Patrick  
Purchasing Supervisor  
[Lisa\\_Patrick@idschools.org](mailto:Lisa_Patrick@idschools.org)

201 N. Forest Avenue  
Independence, MO 64050  
816-521-5599 extension 10610

*All questions, requests for information or clarification pertaining to this bid must be submitted in writing to the above e-mail address. The deadline for questions is **Tuesday, March 18, 2025 at 2:00 PM (CST)***

It is the responsibility of interested firms to check the website: <http://sites.idschools.org/purchasing/bids-and-rfps> for any addendums or notices of information prior to the opening date and time of this RFP. All addendums must be signed and included with your submitted Proposal.



**2025-PUR-023**  
**Epoxy and Simerrazzo Flooring**  
**for District Buildings**  
*Lisa Patrick*  
**Independence School District**  
**Facilities & Purchasing**  
**201 N. Forest Avenue**  
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**(816) 521-5599 ext. 10610**

## **TABLE OF CONTENTS**

<i>Background</i> .....	3
<i>Description of Services (or Project)</i> .....	3-6
<i>Scope of Services</i> .....	6
<i>Required Insurance</i> .....	7
<i>Disclosures and Notifications</i> .....	7-8
<i>Contract Terms</i> .....	7-10
<i>Interpretation, Questions, Withdrawal</i> .....	11-12
<i>Quote</i> .....	12
<i>Proposal Submission and Opening</i> .....	12
<i>Reservation of Rights</i> .....	12
<i>Proposal Evaluation</i> .....	13
<i>Appendix A - Federal Work Authorization Program Affidavit</i> .....	14
<i>Appendix B - References and Experience</i> .....	15
<i>Appendix C - Personnel Qualifications</i> .....	16
<i>Appendix D - BID Proposal Submission Form - Epoxy and Simerrazzo Flooring for District Buildings</i> .....	17-20
<i>Attachment A - Specifications</i> .....	21-34
<i>Attachment B - Map of Areas</i> .....	35-49



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**Proposal Due:**  
March 28, 2025  
9:30 a.m.

**1. Background**

**1.1. Notice**

1.1.1. Independence School District (the “District”) seeks a contractor (“Contractor”) to perform district flooring repair/replacement. If your firm is interested, please submit the information requested in this Request for Proposal (RFP) to the Independence School District office by 9:30 a.m. on March 28, 2025. All information necessary for the submittal is contained in this RFP.

**1.2. RFP Schedule** - The timeline listed below is the District’s estimation of time required to complete the RFP process. All efforts shall be made to abide by this schedule; however, it is subject to change due to different circumstances.

1.2.1. Issue RFP: February 28, 2025

1.2.2. **Pre-bid Meeting and Inspection of property your attendance is Mandatory in order to submit bid.** It will be held on March 10, 2025 at 9:00 a.m. held at each site starting with Procter Elementary School, 1403 W. Linden Avenue, Independence, MO 64052. Then the other sites will follow and the order will be determined at Pre-bid meeting.

1.2.3. Deadline to submit written questions: March 18, 2025, 2:00 p.m.

1.2.4. Deadline to submit proposals: March 28, 2025, 9:30 a.m.

1.2.5. Vendor selection date: April 8, 2025, 6:00 p.m. - ISD Board of Education Meeting

**2. Description of Services (or Project)**

**2.1. Type**

**2.1.1. Epoxy Flooring**

2.1.1.1. See Attachment A – Tennent ECO-DFS Flake/ECO-HTS

2.1.1.2. All are to quote a Broadcast Flake 1/4 inch system with 3 color (base, 2 colors of flake) comparable with a 6” covebase. The wall systems are 1/8 inch Broadcast Flake.



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2.1.1.3. *Include Flast-O-Coat Waterproofing Membrane &/or MVP Primer for any required moisture mitigation that may become required.*

2.1.1.3.1. **Substitutions**

2.1.1.3.2. **Acceptable Substitutions**

2.1.1.3.2.1. *Sparta*

2.1.1.3.2.2. *Tennant*

2.1.1.3.2.3. *Dur-A-Flex*

2.1.1.3.2.4. *Tnemec*

2.1.1.3.3. *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.*

2.1.2. **Simerrazzo**

2.1.2.1. *See Attachment A – SM100 – Simerrazzo Flooring System*

2.1.2.1.1. **No Substitutions**

**2.2. Locations**

2.2.1. **Bingham Middle School**

2.2.1.1. *1716 S. Speck Road, Independence, MO 64057*

2.2.1.1.1. *See specific areas in Attachment B*

2.2.2. **Christian Ott Elementary School**

2.2.2.1. *1525 N. Noland Road, Independence, MO 64050*

2.2.2.1.1. *See Specific areas in Attachment B*

2.2.3. **Clifford Nowlin Middle School**

2.2.3.1. *2800 S. Hardy Avenue, Independence, MO 64052*

2.2.3.2. *See specific areas in Attachment B*



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**2.2.4. Glendale Elementary School**

2.2.4.1. 2611 S. Lee's Summit Road, Independence, MO 64055

2.2.4.1.1. See specific areas in Attachment B

**2.2.5. Hanthorn Early Education**

2.2.5.1. 1511 Kings Highway, Independence, MO 64055

2.2.5.1.1. See specific areas in Attachment B

**2.2.6. Procter Elementary School**

2.2.6.1. 1403 W. Linden Avenue, Independence, MO 64052

2.2.6.1.1. See specific areas in Attachment B

**2.2.7. Transportation**

2.2.7.1. 900 S. Powell Road, Independence, MO 64057

2.2.7.1.1. See specific areas in Attachment B

**2.2.8. William Southern Elementary School**

2.2.8.1. 4300 S. Phelps Road, Independence, MO 64055

2.2.8.1.1. See specific areas in Attachment B

**2.3. Equipment**

2.3.1. Provide all equipment needed to complete project.

**2.4. Inspection**

2.4.1. Contractor must visit 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, 2025, 6:00 p.m. - ISD Board of Education Meeting

2.5.2. Contract Date: April 8, 2025 – All other Locations and areas in Attachment B



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- 2.5.3. Planned commencement of service (this date is based on last day of school): May 27, 2025. Specific locations will be scheduled after contract awarded by working with Contractor and District.
- 2.5.4. Planned substantial completion of service: Site specific agreed upon by District time PO is issued.
- 2.5.5. Planned final completion of service: Site specific agreed upon by District time PO is issued.

**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.

**3.3. *Terms and conditions***

- 3.3.1. Contractor is to provide tear out, disposal (& provide dumpster), protect existing flooring and installation to factory specifications as noted in their manufacturer specifications.
- 3.3.2. Exact styles, collection and colors will be picked by District after award of bid by winning Contractor.

**3.4. *Exclusions***

**3.5. *Term***

- 3.5.1.1. April 8, 2025 through August 1, 2025 with same pricing or agreed upon annual increase.
- 3.5.2. Renewals- Contractor is to hold prices good for a period of 1 year from the Start date of May 27, 2025.
- 3.5.3. Start date
  - 3.5.3.1. May 27, 2025 (this date is based on last day of school)
- 3.5.4. Date of substantial completion
  - 3.5.4.1. July30, 2025



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3.5.5. Date of final completion

3.5.5.1. August 1, 2025

**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. Bid: 5 percent of bid amount

4.3.2. Payment (executed with connection of Contract): 100 percent of amount of Agreement

4.3.3. Performance (executed with connection of Contract): 100 percent of 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 Mid-America Council of Public Purchasing (MACPP), Mid-America Regional Counsel (MARC) or Greater Suburban Kansas City Joint Purchasing Cooperative (GSKCJPC- currently 20 local district members) and/or located within the greater Kansas City metropolitan trade area.

\_\_\_\_\_ YES \_\_\_\_\_ NO SIGNATURE: \_\_\_\_\_



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- 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, MARC or GSKCJPC have no obligation under the cooperative procurement agreement 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, **if the project is over \$75,000**: "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***





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- 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 Americans 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)



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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 have unsupervised interaction 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.



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**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 no later than 2:00 p.m., March 18, 2025 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 posted on the ISD website ISDSchools.org and be the sole responsibility of the Bidder to obtain and acknowledge.

**7.2. Questions**

7.2.1. Submit written questions to the following person:

Lisa Patrick  
Purchasing Supervisor  
[lisa\\_patrick@idschools.org](mailto:lisa_patrick@idschools.org)  
201 N. Forest Avenue  
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**7.3. Withdrawal**

7.3.1. Any Contractor may withdraw his proposal prior to the scheduled closing time for receipt of proposals.



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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 “EPOXY AND SIMERRAZZO FLOORING FOR DISTRICT BUILDINGS PROPOSAL 2025-PUR-023” and deliver to the following address and person:

Lisa Patrick  
Purchasing Supervisor  
[lisa\\_patrick@idschools.org](mailto:lisa_patrick@idschools.org)  
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**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 28, 2025

Time: 9:30 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.**



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## **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 be 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 April 8, 2025 unless mutually agreed upon.



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**Appendix A  
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 \_\_\_\_\_, 202\_\_.

\_\_\_\_\_  
NOTARY PUBLIC

My commission expires:  
3/3/2025 3:01 PM



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## Appendix B

### REFERENCES AND EXPERIENCE

How many years has your firm been in business? \_\_\_\_\_ Years

**List references and prior experience; preferably with other school districts or governmental agencies, in the last 3 – 5 year period; work or services in the same type and size to the project being proposed.**

School District/Business \_\_\_\_\_  
Address \_\_\_\_\_  
Contact Person \_\_\_\_\_ Phone# \_\_\_\_\_  
Description of services performed and completion date \_\_\_\_\_  
\_\_\_\_\_

School District/Business \_\_\_\_\_  
Address \_\_\_\_\_  
Contact Person \_\_\_\_\_ Phone# \_\_\_\_\_  
Description of services performed and completion date \_\_\_\_\_  
\_\_\_\_\_

School District/Business \_\_\_\_\_  
Address \_\_\_\_\_  
Contact Person \_\_\_\_\_ Phone# \_\_\_\_\_  
Description of services performed and completion date \_\_\_\_\_  
\_\_\_\_\_



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## Appendix C

### PERSONNEL QUALIFICATIONS

<p>Bidders are <b>REQUIRED</b> to provide the information below in <b>FULL DETAIL</b>.</p> <p>Indicate the person who will be supervising project and years of experience in similar work.</p> <p>Name: _____ Number of Years: _____</p> <p>Type of Experience: _____</p>		
<p>Complete the following for employees that would be working on this project. List any previous work directly relating to the scope of this project for other school districts and/or governmental agencies or private companies in the last five years. Attach a separate sheet of paper if needed.</p>		
EMPLOYEE NAME	QUALIFICATIONS	EXPERIENCE/TRAINING





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## Appendix D

### BID PROPOSAL SUBMISSION FORM – Epoxy and Simerrazzo Flooring for District Buildings

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 – Epoxy and Simerrazzo Flooring for District Buildings*. 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. 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.
3. Bidder acknowledges receipt of the following ADDENDA: \_\_\_\_\_
4. 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



2025-PUR-023  
Epoxy and Simerrazzo Flooring  
for District Buildings  
*Lisa Patrick*  
Independence School District  
Facilities & Purchasing  
201 N. Forest Avenue  
Independence, MO 64050  
(816) 521-5599 ext. 10610

acknowledged), for the lump sums hereinafter specified.

### Appendix D (Cont)

RESPECTFULLY SUBMITTED:

_____	_____	
Signature	Title	
_____	_____	
Name (Please type or write clearly)	Date	
_____	_____	_____
Company Name	Telephone Number	Fax Number
_____	_____	
Street	Email address	
_____	_____	
City, State, Zip Code	License number (if applicable)	

By signing, he/she certifies that they are an authorized agent of said company and has the authority to legally enter into a binding Service Agreement.

SEAL – (If BID is by a corporation)

**Appendix D (Cont)**

<b>BID SHEET</b>	
Project:	Epoxy and Simerrazoo Flooring for District Buildings
RFP#:	2025-PUR-023
Owner:	Independence School District
Date:	March 28, 2025
Contractor Name	

<b>Schools</b>	<b>Bingham Middle School</b>	<b>Christian Ott Elementary School</b>	<b>Clifford Nowlin Middle School</b>	<b>Glendale Elementry School</b>	<b>Hanthorn Early Educaiton</b>	<b>Procter Elementary School</b>	<b>Transportation</b>
Location Addresses	<i>1716 S. Speck Road, Independence, MO 64057</i>	<i>1525 N. Noland Road, Independence, MO 64050</i>	<i>2800 S. Hardy Avenue, Independence, MO 64052</i>	<i>2611 S. Lee's Summit Road, Independence, MO 64055</i>	<i>1511 Kings Highway, Independence, MO 64055</i>	<i>1403 W. Linden Avenue, Independence, MO 64052</i>	<i>900 S. Powell Road, Independence, MO 64057</i>
Areas	<i>Attachment B</i>	<i>Attachment B</i>	<i>Attachment B</i>	<i>Attachment B</i>	<i>Attachment B</i>	<i>Attachment B</i>	<i>Attachment B</i>
EPOXY - Broadcast Flake 1/4 inch system with 3 color (base, 2 colors of flake) comparable with a 6" covebase. The wall systems are 1/8 inch Broadcast Flake. 2.1.1.3.Include Flast-O-Coat Waterproofing Membrane &/or MVP Primer for any required moisture mitigation that may become required. Substitute used please note it.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Simerrazzo - SM100 (No substitutions)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Disposal (Provide dumpster), Removal Charges, Installation Charges, Freight and Delivery Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL BID</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bid Bond							
Warranty in Years							
\$/SF Moisture Barrier							
\$/Sq Ft if 5,000 sq ft							
Wet Wall Capable? Y or N							

Company Name: \_\_\_\_\_

Printed Name: \_\_\_\_\_

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

Date: \_\_\_\_\_

**Appendix D (Cont)**

<b>BID SHEET</b>		
Project:	Epoxy and Simerrazoo Flooring for District Buildings	
RFP#:	2025-PUR-023	
Owner:	Independence School District	
Date:	March 28, 2025	
Contractor Name		
<b>Schools</b>	<b>William Southern Elementary School</b>	<b>Total</b>
Location Addresses	<i>4300 S. Phelps Raod, Independence, MO 64055</i>	
Areas	<i>Attachment B</i>	
EPOXY - Broadcast Flake 1/4 inch system with 3 color (base, 2 colors of flake) comparable with a 6" covebase. The wall systems are 1/8 inch Broadcast Flake. 2.1.1.3.Include Plast-O-Coat Waterproofing Membrane &/or MVP Primer for any required moisture mitigation that may become required. Substitute used please note it.	\$ -	\$ -
Simerrazzo - SM100 (No substitutions)	\$ -	\$ -
Disposal (Provide dumpster), Removal Charges, Installation Charges, Freight and Delivery Charges	\$ -	\$ -
<b>TOTAL BID</b>	\$ -	\$ -
Bid Bond		\$ -
Warranty in Years		
\$/SF Moisture Barrier		
\$/Sq Ft if 5,000 sq ft		
Wet Wall Capable? Y or N		

Company Name: \_\_\_\_\_

Printed Name: \_\_\_\_\_

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

Date: \_\_\_\_\_



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

**Project: Epoxy and Simerrazzo Flooring RFP Summer 2025:**

Furnish labor and material required to complete:

**Bingham Middle School**

- **Boys and Girls Locker Rooms (including concrete benches) to receive Epoxy. (New Broadcast)**
- **Kitchen Scramble Area to receive Epoxy. (New Broadcast)**

**Christian Ott Elementary**

- **Restrooms in rooms: 1,2,13 24 and 25 to receive Epoxy. (New Broadcast)**
- **Boys and Girls Restrooms by room 10 to receive a top coat**
- **Staff Restroom by Main Office to receive a top coat**
- **Nurses Office to receive a top coat**
- **Stairs and landing by Gym / Cafeteria to receive Epoxy. (New Broadcast 1/8")**
- **Restrooms in Gym / Cafeteria to receive Epoxy. (New Broadcast)**
- **Stairs by conference room leading to Gym / Cafeteria to receive Epoxy. (New Broadcast 1/8")**
- **Boys and Girls Restroom by room 27 to receive Epoxy. (New Broadcast) and it needs to come out to meet the hall doorway.**
- **Boys and Girls Restroom by room 30 to receive Epoxy. (New Broadcast) and it needs to come out to meet the hall doorway.**

**Hanthorn Early Childhood**

- Staff Restroom to receive Epoxy. (New Broadcast)
- All hallways to receive Simerrazzo Flooring. (no deviation or substitute is allowed.).

**Glendale Elementary School**

- Stairs going down to the basement to receive Epoxy. (New Broadcast 1/8")
- Stairs and landing going out to the playground from A pod, B pod, C pod and D pod to receive Epoxy (New Broadcast 1/8")

**Procter Elementary School**

- All stairs and landings to receive Epoxy. (New Broadcast 1/8")
- Restroom in rooms: 1, 2, 4, 12, and 13 top coat.
- Boys and Girls Restroom by Gym to receive Epoxy. (New Broadcast)
- Boys and Girls Restroom by room 20 to receive Epoxy. (New Broadcast) and it needs to come out to meet the hall doorway.
- Nurses Office top coat.
- Staff restroom in Office top coat.
- Staff restroom by teachers' lounge top coat.
- Restroom outside cafeteria to receive Epoxy. (New Broadcast) and it needs to come out to meet the hall doorway.
- Both Restrooms across from the teachers' lounge top coat.
- All hallways to receive Simerrazzo Flooring.(no deviation or substitute is allowed).
- Need to have the cafeteria (#8 on map) and room 9 as an alternate proposal. (no deviation or substitute is allowed).

**William Southern Elementary School**

- **All stairs and landings to receive Epoxy. (New Broadcast 1/8")**
- **Boys and Girls Restroom by room 1 to receive Epoxy. (New Broadcast) and it needs to come out to meet the hall doorway.**
- **Boys and Girls Restroom by room 18 to receive Epoxy. (New Broadcast) and it needs to come out to meet the hall doorway.**
- **Boys and Girls Restroom by Cafeteria / Gym to receive Epoxy. (New Broadcast) and it needs to come out to meet the hall doorway.**

**Clifford Nowlin Middle School**

- **All stairs and landings to receive Epoxy. (New Broadcast 1/8")**
- **Nurses Office to receive Epoxy. (New Broadcast)**

**Transportation**

- **Staff Restroom in the main office to receive Epoxy. (New Broadcast)**

**Need to provide metal transitions where needed. Please provide sample for approval**

# SM 100

No Alternates will be Accepted.

## SIMERRAZZO FLOORING SYSTEM

SM-100 "Simerrazzo" is a simulated terrazzo flooring application incorporating high-performance epoxy coatings and a specialized blended flake to provide the look & feel of commercial terrazzo flooring. Installed only by approved Resinwerks flooring contractors, SM-100 provides for a vibrant and contemporary look. Available in a gloss or satin finish and with or without added traction, Simerrazzo systems provide owners with the look and feel of high-end Terrazzo at a fraction of the price and with less installation down-time. The system may be built using a 100% solids vapor barrier epoxy primer for added protection against elevated moisture vapor emission levels.

### Applications

- Hospitals
- Education
- Retail
- Residential
- Airports

### Features:

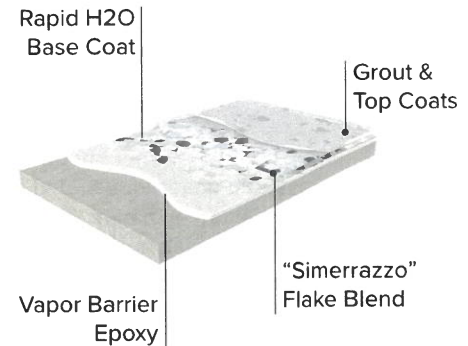
- Resistant to high moisture
- High-end terrazzo look
- Low odor & voc
- Superior abrasion resistance
- Color stable

### Colors & Finishes

Available in custom Resinwerks "Simerrazzo" blends, colors may be customized to match any environment. The system is available with a gloss or satin finish.

### System Components

- Primer:** Vapor Barrier Epoxy Resinwerks  
Vapor Barrier Epoxy is a 100% solids chemical resistant moisture mitigation primer.  
Mix Ratio: 2A:1B
- Broadcast Coat:** Rapid H2O EP Resinwerks  
Rapid H2O EP is a fast-cure thick-build water-based epoxy primer that is engineered for a consistent and low-textured flake broadcast.  
Mix Ratio: 2A:1B:1H2O. Broadcast to rejection.
- Grout Coat (2):** LevelGuard Clear  
LevelGuard Clear is a 100% solids ultra-low-ambering cycloaliphatic epoxy.  
Mix Ratio: 2A:1B.
- Top Coat:**  
Option 1: HDC 100 High Traffic Urethane (light texture)  
Option 2: EpiSeal 600 Satin Finish (smooth finish)



### GENERAL SYSTEM PERFORMANCE - SC-100

TEST TYPE		RESULT
Compressive Strength	ASTMC 695	11,000 PSI
Permeability	ASTME 96	0.059 PERMS (grains h-1 ft-2 in Hg-1)
Water Absorption	ASTMD 570	< .1%
Impact Resistance	ASTMD 2794	> 160
Adhesion Pull-Off	ASTMD-4541	+500 PSI concrete fracture
Elongation / Tensile	ASTMD 638	2500 psi
Flexibility 1/4" cylindrical mandrel	ASTMD 522I	Pass
Hardness / Shore D	ASTMD 2240	75

### For Professional Use Only

Please reference all product Technical Data and Material Safety Data Sheets prior to use. Mock-ups are strongly recommended to validate appearance and performance prior to use.

### SURFACE PREPARATION

Ensure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Prepare concrete in accordance with ASTM D 4259-83. Mechanical Shot Blasting is recommended to achieve a surface profile of ICRI CSP 3-4. Surface to be coated must be completely porous, thoroughly vacuumed, and free of excessive dust & contaminants.

### MOISTURE IN CONCRETE

Concrete slabs should be tested prior to application for elevated moisture vapor emission levels. Resinwerks recommends ASTM F2170-19 standard for determining relative humidity in concrete slabs using RH probes. Moisture level results will determine recommended mil thickness for application.



# SM 100

## DE-GREASING OF CONTAMINATED SUBSTRATES

For concrete substrates containing oil, animal fats, or other carbon based contaminants, slabs should be de-greased appropriately using an enzymatic based concrete de-greasing agent. Multiple applications may be required depending on the level of contamination.

## TREATMENT OF JOINTS & CRACKS

Prior to installation of any Resinwerks primer, all joints, cracks and other substrate irregularities must be addressed. For more information on specific joint treatment procedures, please reference Resinwerks joint-treatment guidelines.

## COVE BASE

For projects requiring a perimeter vertical cove base, please reference Resinwerks cove base installation guidelines or contact your local Resinwerks representative for more information.

## COATING APPLICATION

### 1. Primer: Vapor Barrier Epoxy

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 2-parts A to 1-Part B by volume for 2-3 minutes using a slow speed jiffy mixer. Make certain that material is properly mixed. Only mix in metal buckets as left-over material can become hot and will melt a plastic bucket. After mixing, get the material out of the bucket and apply material as soon as possible to avoid issues.
- **Application:** Immediately following mixing, pour Vapor Barrier Epoxy onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Apply at a minimum of 12-mils or 130 SF/gallon. Immediately back-roll with a non-shedding roller. Use a brush or small roller to cut-in along perimeter walls or any other obstructions.

### 2. Broadcast Coat: Rapid H2O EP

- **Mixing:** Thoroughly agitate part B prior to mixing. Mix 2-parts A to 1-Part B by volume for one minute using a slow speed jiffy mixer. After 1 minute reduce entire mix with additional gallon of water. Mix for an additional 2 minutes until fully consistent.
- **Application:** Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Standard recommended coverage is 140 SF per gallon. Immediately back-roll with a non-shedding roller. Use a brush or small roller to cut-in along perimeter walls or any other obstructions.
- Immediately following back-roll, broadcast flake blend to rejection.
- Once cured, remove and store excess flake for future use. Scrape flake in 3 opposing directions and dispose of excess flake following scrape.

#### Important:

Inhalation of vapor or mist can cause headache, nausea irritation of nose, throat, and lungs. Avoid breathing vapors, it is strongly recommended that respirators are worn. Prolonged or repeated skin contact can cause slight skin irritation. All epoxies have the potential of causing skin irritations or allergic reactions. Be careful not to get on skin, clothes or in eyes. Gloves are strongly recommended. If splashed in the eye, flush with warm water and contact a physician if blurring persists.

Solvent based products are extremely flammable, extinguish all pilot lights and sources of ignition such as electrical motors. Be sure to have adequate cross ventilation prior to installing.

Resinwerks recommends the use of slip-resistant additives in all coating systems that are subject to heavy foot traffic and especially those within wet or oily environments. It is the end-user's responsibility to provide flooring that meets current safety standards and local coefficient of friction requirements. Resinwerks nor any of its distributors are responsible for injury resulting from any slip and fall incident.

## Simerrazzo Flooring System with Vapor Barrier

### 3. Grout Coat(1): LevelGuard Clear EP

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 2-parts A to 1-Part B by volume for two-three minute using a slow speed jiffy mixer.
- Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Standard recommended coverage is 100 SF per gallon.
- Immediately back-roll with a non-shedding roller. Use a brush or small roller to cut-in along perimeter walls or any other obstructions.
- Once Cured, sand entire floor with a 80-grit sanding screen or disk to smooth the surface.

### 4. Grout Coat(2): LevelGuard Clear EP

- **Mixing:** Thoroughly agitate part A prior to mixing. Mix 2-parts A to 1-Part B by volume for two-three minute using a slow speed jiffy mixer.
- Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a notched squeegee. Standard recommended coverage is 200 SF per gallon.
- Immediately back-roll with a non-shedding roller. Use a brush or small roller to cut-in along perimeter walls or any other obstructions.
- Once Cured, sand entire floor with a 100-grit sanding screen or disk to smooth the surface.

### 5. Top Coat:

- **HDC 100 Urethane:**
- **Mixing:** Mix complete kit for two minutes using a slow speed jiffy mixer. While mixing pour complete contents of HDC 100 aggregate into mix, taking care to properly suspend all aggregates.
- **Application:** HDC 100 should be applied at about 3 mils DFT with a coverage rate of approximately 550 square feet per pigmented kit by pan rolling with a 3/8 nap roller. For proper appearance, dip the roller in the coating and lightly roll out excess in the application tray. Take care to spread the material evenly and immediately back-roll in a perpendicular fashion. Frequently agitate material in both the pan and mixing vessel during application process to keep aggregates properly suspended.
- **EpiSeal 600 Satin Finish:**
- **Mixing:** Mix at a ratio of 4A:1B for two-three minutes.
- **Application:** EpiSeal 600 should be applied at about 3 mils DFT with a coverage rate of approximately 300 square feet per gallon by pan rolling with a 3/8 nap roller. For proper appearance, dip the roller in the coating and lightly roll out excess in the application tray. Take care to spread the material evenly and immediately back-roll in a perpendicular fashion.





## ARCHITECTURAL SPECIFICATION

Resinwerks (main)  
 7205 Gilpin Way Ste 200  
 Denver, CO 80229  
 720-484-5160 / [www.resinwerks.com](http://www.resinwerks.com)

Resinwerks Northeast  
 226 Innovative Way Ste A  
 Nashua, NH 03062  
 603-514-2387

**SECTION 09-76-00 FLUID APPLIED RESINOUS FLOORING**  
**SM-100: SIMERRAZZO™ SIMULATED POLISHED PERRAZZO FINISH**

PART 1 GENERAL

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the project contract, including general and supplementary conditions and division 01 specification sections, apply to this section.

## 1.2 SUMMARY

- A. System Inquiries, specification support, bidding and any other related inquiries please contact: Resinwerks (720) 484-5160 , [www.resinwerks.com/contact](http://www.resinwerks.com/contact)

- B. This section includes:

1. Fluid Applied Seamless Flooring

- C. Related sections:

1. Cast-In-Place Concrete, section 02-30-00
2. Concrete Curing, section 03-39-00
3. Joint Sealants, Section 079200
4. Adjacent Floor Finishes: Division 9.

## 1.3 SYSTEM DESCRIPTION

- A. This system shall consist of the application of a decorative flake broadcast resinous flooring system that incorporates a specialized pigmented epoxy base coat, water-clear epoxy grout coats and 2-component urethane finish topcoat. Substrate shall be prepared and complete system shall be applied in accordance with manufacturer's recommendations.
- B. Where applicable, any cove base, joint or crack fill, etc shall be completed as per manufacturer's recommendations.

## 1.4 SUBMITTALS

- A. Product Data Sheets: For each type of product indicated in system. Include manufacturer's product technical data, system technical data and any related application instructions pertaining to the products.
- B. Samples for initial selection: for each type of finish required
- C. Samples for verification: for each resinous flooring system required: 6 inches x 6 inches applied to rigid backing by installer for this project.
- D. Product Schedule: for resinous flooring
- E. Approved Applicator: please contact Resinwerks directly to verify applicator status
- F. Material Certificates: where applicable, require for each flooring component from resinous flooring manufacturer

- G. Certified Testing: Submit two copies of written verification that products used meet or exceed specified system's required properties.
- H. Shop Drawings: Shop drawings shall be furnished showing installation of cove base and termination details as well as details relating to flooring material transitions.
  - 1. Identify and provide detail for flexible joints required in area of installation.
- B. Environmental product data: where required by facility manager
- C. Maintenance Data: submit current copies of the flooring manufacturer's printed recommendations on maintenance methods and products.

#### 1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's Approved Representative
  - 1. Select installer who has a minimum of 3-years' experience and is approved by resinous flooring manufacturer as having acceptable experience in performing installation of specified system.
- D. Primary materials used on the floor surfacing shall be the products of a single manufacturer unless otherwise approved.
- E. Mockups: Prior to the commencement of work, installer shall provide a full-scale mock-up to establish acceptable quality, durability and appearance. Mock-ups may not be less than 4 square feet in size and should be completed in an area with lighting similar to that of the area to be finished.
  - 1. Mock-up will serve as the acceptable standard for the quality of work.
- F. Qualifications: Installer must be acceptable to specifying officer and owner
- G. Installer to maintain daily log of the date of installation, type, color and finish of resinous flooring system being installed. Log to be made available for inspection upon request.
- H. Pre-Installation Conference: Conduct a pre-installation conference with specifier, owner's representative, general contractor and resinous flooring installer to provide clarity to this specification, review application procedure, quality control, inspection, production schedule and any other topics related to the installation.

#### 1.6 PROJECT CONDITIONS

- A. Maintain ambient room and floor substrate temperatures at 60°F – 80°F for a period of at least 72-hours prior to, during and following installation.
- B. The humidity in the specific location to be coated shall be no more than 85% during application.
- C. Applicator shall ensure there is adequate ventilation for the entire work area.
- D. Lighting: Provide permanent lighting, or if permanent lighting is not in place, simulate permanent lighting conditions during the flooring application.
- E. Close spaces to traffic during resinous flooring application and for a period no less than 24-hours following application or longer contingent on manufacturer recommendation. Advise other trades that flooring is not be disturbed until it is fully cured and protected.

- F. Dew Point: Substrate temperature must be a minimum of 5°F above dew point prior to, during and up to 24-hours following application. Avoid application in environments with increasing humidity levels.
- G. Concrete shall be cured for a minimum of 28-days prior to the application of the coating system, unless incorporating manufacturer's recommended vapor barrier primer. Reference manufacturer's specific recommendations for moisture in concrete and associated requirements.
- H. Concrete shall have a flat finish, float or light steel trowel. Hard or power-trowel finishes are not required nor desirable for resinous flooring. Sealers, densifiers and curing compounds should not be used.
- I. On-grade concrete surfaces should be constructed with appropriate vapor barrier underlayment to help prevent moisture vapor transmission.

#### 1.7 PROTECTION & SAFETY

- A. All adjacent surfaces not scheduled for application shall be properly masked off with tape, masking paper or by other means necessary.
- B. Provide adequate ventilation and fire protection at all mixing and placing operations. Prohibit smoking or use of flame within 50-feet of any mixing or placing station.
- C. Strictly adhere to all manufacturer's recommended safety instructions.
- D. Owner shall be responsible for removing any food or merchandise from the work area and surrounding spaces prior to application.
- E. Non-work personnel shall not be allowed to enter the work area.

#### 1.8 PRODUCT DELIVERY, STORAGE & HANDLING

- A. All materials shall be delivered to the project site in original manufacturer's sealed containers including type of material, batch numbers, date of manufacture, and labels intact.
- B. Store materials in a dry protected area at a temperature in between 60°F and 80°F
- C. Closely adhere to all manufacturer's recommended instructions as it pertains to safety practices and handling.
- D. Applicator shall maintain product safety data sheets onsite at all times.

#### 1.9 WARRANTY

- A. Resinwerks warrants that materials shipped to the buyer are free from material defects at the time of shipment and will perform as per manufacturer's guidelines provided they are used within the specified shelf-life and in accordance with the manufacturer's application guidelines.
- B. Product defects occurring over the duration of the warranty period shall be repaired in a manner satisfactory to the owner and architect.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Basis of design product: subject to compliance with requirements.



B. System Description: CF-120 Seamless Flake Industrial Flooring System

1. Heavy-duty two-component epoxy resin primer and grout coat, top-coated with 2-component urethane.
2. Color / Texture: As selected by architect or owner's representative
3. Specifications and quality of design standard based on Resinwerks, LLC: (720) 484-5160, [www.resinwerks.com](http://www.resinwerks.com)

2.2 MATERIALS:

- A. Primer / Broadcast coat: Rapid H2O EP (pigmented)
- B. Grout Coast: LevelGuard EP 100% Solids Epoxy (clear)
- C. Top-Coat: HDC 100 High Solids MC Urethane Topcoat (clear)

2.3 ACCESSORIES:

- A. Repair:
  1. Resinwerks K-Patch™ Concrete Repair
  2. Resinwerks Semi-rigid Epoxy Joint Filler
- B. Cove Base:
  1. Resinwrks Cove Resin Epoxy Cove System

PART 3 EXECUTION

3.1 PREPARATION

- A. Obtain mock-up approval prior to installation of flooring system.
- B. Inspect surface to be coated and verify that condition is smooth and free from any debris, contaminants or otherwise that will adversely impact the flooring system. Notify architect and owner in writing of any conditions deemed unsatisfactory for the proper installation of the flooring materials.
- C. Prepare and clean substrates according to resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.
- E. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
- F. Roughen concrete substrates as follows:
  1. Mechanically profile surfaces with an apparatus that abrades the concrete surface to a concrete surface profile as specified by product technical data sheet.
  2. Comply with ASTM C 811 requirements unless manufacturer's written instructions are more stringent.

3. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
  1. 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.
- J. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.
- L. Treat control joints and other nonmoving substrate cracks to prevent cracks from telegraphing through resinous flooring according to manufacturer's written instructions.

### 3.2 APPLICATION

- A. Maintain ambient room temperature of 60°F – 80°F for a minimum of 48 hours prior to application. All concrete shall be a minimum of 28 days cured and 7-days free of water.
- B. Dew Point: Substrate temperature must be a minimum of 5°F above dew point with 24 hours prior right up to start of application.
- C. General: Apply components of resinous flooring system according to manufacturer's written instructions 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 inter-coat adhesion.
  2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
  3. At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.
- D. Primer
  1. Product Name: Vapor Barrier Epoxy
  2. Resin: 100% Solids Chemical Resistant Epoxy Primer
  3. Application method: Squeegee and Back-Roll
  4. Material Coverage: 130SF / gal
  5. Number of coats: 1
- E. Broadcast Coat:
  1. Product Name: Rapid H2O EP (pigmented)
  2. Resin: 50% Solids Water-Based Epoxy Primer
  3. Application method: Squeegee and Back-Roll
  4. Material Coverage: 140SF / gal
  5. Number of coats: 1
  6. Broadcast Decorative Simulated Terrazzo Aggregates to refusal (400SF / 40LB box)
- F. Grout Coat:
  1. Product Name: LevelGuard EP (clear)
  2. Resin: 100% Solids Top-Coat Epoxy

3. Application method: Squeegee and Back-Roll
4. Thickness of coats: 16 mils (100SF / gal)
5. Number of coats: 2; sanding in between coats

G. Top-Coat:

1. Product Name: HDC 100 High Traffic Urethane (clear semi-gloss or satin sheen)
2. Resin: 96% Solids UV Stable Moisture Cure Urethane
3. Application method: Pan Roll
4. Thickness of coats: 3 mils (500SF / gal)
5. Number of coats: 1

### 3.4. QUALITY CONTROL

- A. Core Sampling: At the direction of Owner and at locations designated by Owner, take one core sample per 1000 sq. ft. (92.9 sq. m) 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 and correct deficiencies.
- H. 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.

### 3.5 CLEANING & PROTECTION

- A. 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.
- B. Remove all masking and perform cleaning where required.

END OF SECTION

1 / 8 ARCHITECTURAL GUIDE SPECIFICATION

**Eco-DFS™ Flake / Eco-HTS**

**Decorative Flake System ( Broadcast) 1/8 inch Satin Finish Urethane Topcoat**



Tennant Company, 701 North Lilac Drive, P.O. Box 1452, Minneapolis, MN 55440-1452  
 800-553-8033 / [www.tennantfloorcoatings.com](http://www.tennantfloorcoatings.com)  
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**Division 9**

Section - Resinous Flooring

**PART 1 - GENERAL**

**1.01 Summary**

- A. A filled two-component, 100% solids epoxy that consists of epoxy resin and colored flake chips topcoated with a proprietary three-component moisture-cure urethane for an attractive, slip-resistant surface with superior abrasion resistance on interior concrete floors. Complies with VOC Rules and Regulations.

**1.02 Performance Requirements**

- A. See manufacturer's technical data bulletin for specific material, cured coatings and a complete list of chemical resistant properties.

**1.03 Submittals**

- A. Product Data: Submit manufacturer's product data, including physical properties, chemical resistance, surface preparation and application instructions.
- B. Submit list of five projects similar in nature, which have been installed by applicator during the last five years, identified with project name, location, name of owner's representative, their phone number and date.
- C. Submit manufacturer's standard warranty and applicator's warranty.

**1.04 Quality Assurance**

- A. Applicator Qualifications:
  - 1. A minimum of three years' experience in the application of coatings or resurfacers to concrete floors.
  - 2. A minimum of ten jobs or 1,000,000 square feet of successful applications.
- B. Pre-Application Meeting: Convene a pre-application meeting 2 weeks before the start of application of floor coating system. Require attendance of parties directly affecting work of this section, including the Contractor, Architect, Applicator and Manufacturer's Representative. Review the surface preparation, application, cleaning, protection and coordination with other work.

**1.05 Delivery, Storage and Handling**

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Store materials in accordance with manufacturer's instructions.
  - 1. Store materials in dry, enclosed area with adequate protection from moisture.
  - 2. Keep containers sealed until ready for use.
  - 3. Storage Temperature: 65°F (18°C) and 90°F (32°C).

- 1.06 Warranty** A. Written manufacturer's warranty covering materials only. Applicator to provide application warranty.

**PART 2 - PRODUCTS**

**2.01 Materials**

- A. : Decorative Flake
  - 1. Percent Solids, 100 ASTM D2369



2. Completely light stable over the normal life of the coating.
- B. Resin for random seed coats: Tennant Eco-MPE™ - Multi-Purpose Epoxy. A two-component epoxy.
1. Volatile Organic Compound (VOC), ASTM D3960
    1. 0 lb/gal or 0 g/L
    2. Tensile Strength, ASTM D2370
      1. 8,000 psi or 55,200 kPa
    4. Percent Elongation, ASTM D2370
      1. 5%
- C. Tennant Eco-HTS™ - Satin Urethane Topcoat. A three-component moisture-cure urethane.
1. Volatile Organic Compound (VOC), ASTM D3960
    1. <1.1 lb/gal or 130 g/L
    2. Abrasion Resistance, ASTM D4060
      1. 18 mg loss @ 1000 revolutions
    4. Tensile Strength, ASTM D2370
      1. 2,210 psi, 15,227 kPa
    5. Percent Elongation, ASTM D2370
      1. 5%
    6. Sward Hardness, ASTM D2134
      1. 35-40 (1 mil film)
    7. Percent Solids
      1. Part A - 97%
      2. Part B - 16%
      3. Part C - 100%
      4. Mixed - 91.5%
    8. Compressive Strength
      1. ASTM C579 , 10,000 psi 69,000 Kpa
- D. Colors:
1. Tennant Colors - Flake: Checkerboard, Tweed, Evergreen, Storm and Tornado.
- Custom blends and solid colors are also available. E. Cleaners and Related Products:
1. Industrial Grease Remover: Tennant Detergent
    1. Tennant detergents are available in a range of formulations which remove a variety of soilage.

### 3.01 Examination

- A. Examine concrete surface to receive floor coating system. Notify the Architect if surface is not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.
- B. Allow concrete substrate to cure a minimum of 30 days.
- C. **CHECK THE TEMPERATURE AND HUMIDITY:** Floor temperature and materials should be between 65°F (18°C) and 90°F (32°C). Humidity must be less than 80%. **DO NOT** coat unless floor temperature is more than five degrees over the dew point.
- D. **CHECK FOR MOISTURE:** Concrete must be dry before application of this floor coating material. Concrete moisture testing must occur. Calcium chloride testing or in-situ relative humidity testing is recommended. Readings must be below 3 pounds per 1,000 square feet over a 24-hour period on the calcium chloride test or below 70% relative internal concrete humidity. Test methods can be purchased at [www.astm.org](http://www.astm.org), see ASTM F1869 or F2170, respectively or follow instructions from the suppliers of these tests.
 

**NOTE:** Although testing is critical, it is not a guarantee against future problems. This is especially true if there is no vapor barrier or the vapor barrier is not functioning properly and/or you suspect you may have concrete contamination from oils, chemical spills or excessive salts.

### 3.02 Preparation

- A. Prepare surface in accordance with manufacturer's instructions.
1. Cleaning: Scrub with Tennant detergent and rinse with clean water to remove surface dirt, grease and oil.
  2. Preparation; Remove coatings and curing membranes and provide the required bonding profile with one of the following methods:
    1. Shotblasting
    2. Diamond Grinding

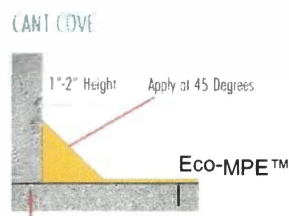
### 3.03 Application

- A. Apply floor coating system in accordance with manufacturer's instructions.
1. Equipment: squeegees, rollers, mechanical blower and funnel for quartz application, etc.
  2. Coating: Eco-DFS™ -- Decorative Floor Solutions.
    1. Mix Eco-MPE™ components together in accordance with manufacturer's instructions.
    2. Mix only enough material which can be applied within 25 minutes.
    3. Apply Eco-MPE™ at the rate of 160-200 ft<sup>2</sup>/gal.
    4. Immediately broadcast decorative flake into the resin. Hand toss the flake up into the air and let it float down for an even appearance. Apply the appropriate amount to achieve the desired effect. *Note: Approximately, .2 pounds per sq. ft. is used for a full flake broadcast floor.*
    5. Allow coating to cure 8-10 hours at 75 degrees F (24 degrees C) and 50% relative humidity.
  3. Coating: Eco-HTS™ -- Satin Urethane Topcoat.
    1. Open and mix only enough material which can be applied in a 2 hour period.
    2. Apply Eco-HTS™ at the rate of 500 ft<sup>2</sup>/gal.
    3. Allow coating to dry 24 hours at 75 degrees F (24 degrees C) and 50% relative humidity.

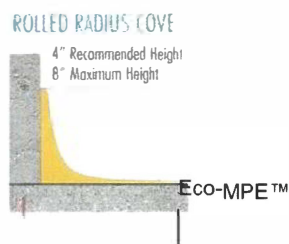
### 3.04 Protection

- A. Close job site to traffic for a period of up to 48 hours after coating application depending on temperature and humidity

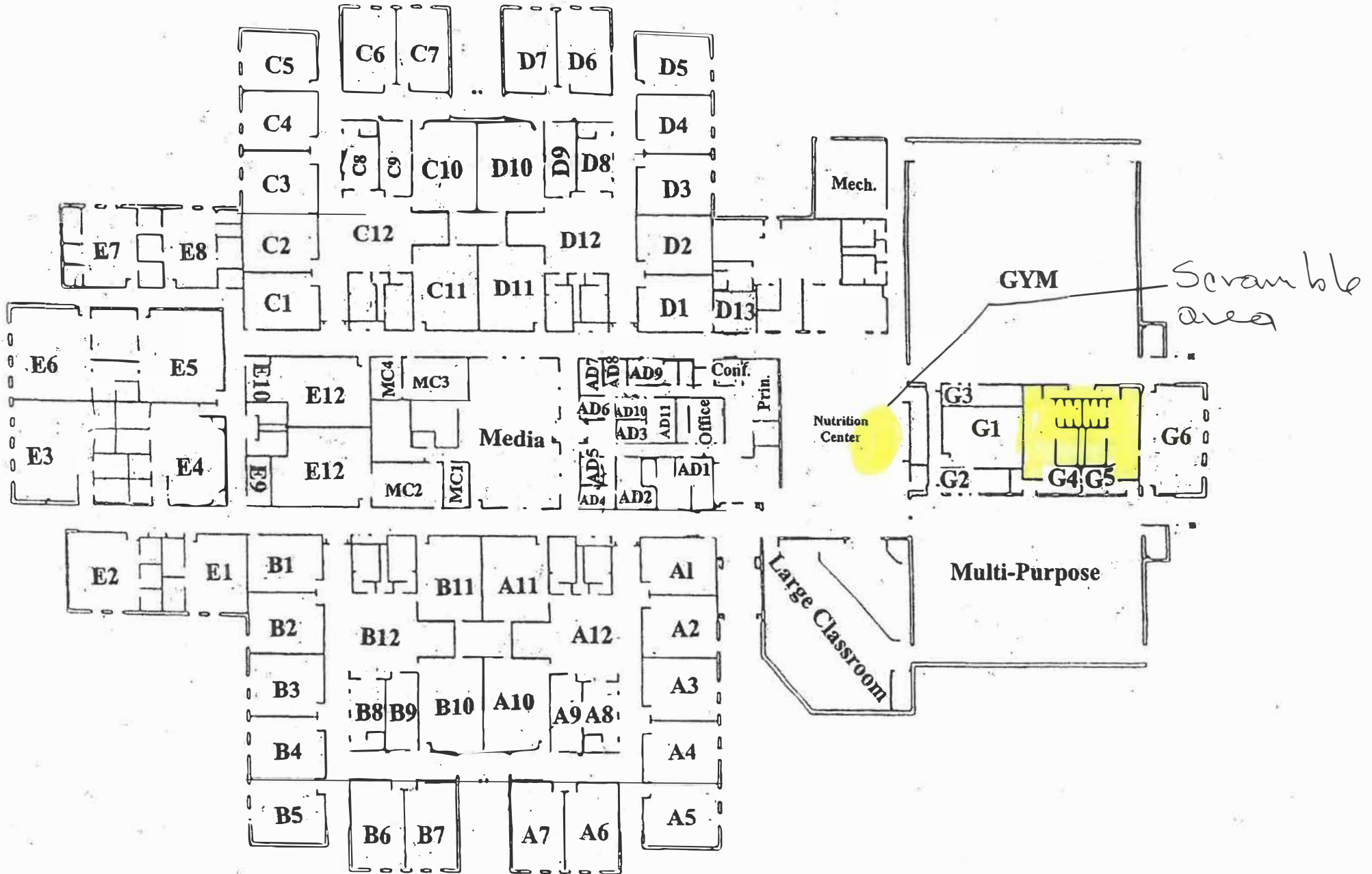
## END OF SECTION



Coving, if required, shall be installed in accordance with manufacturer's instructions.



Epoxy



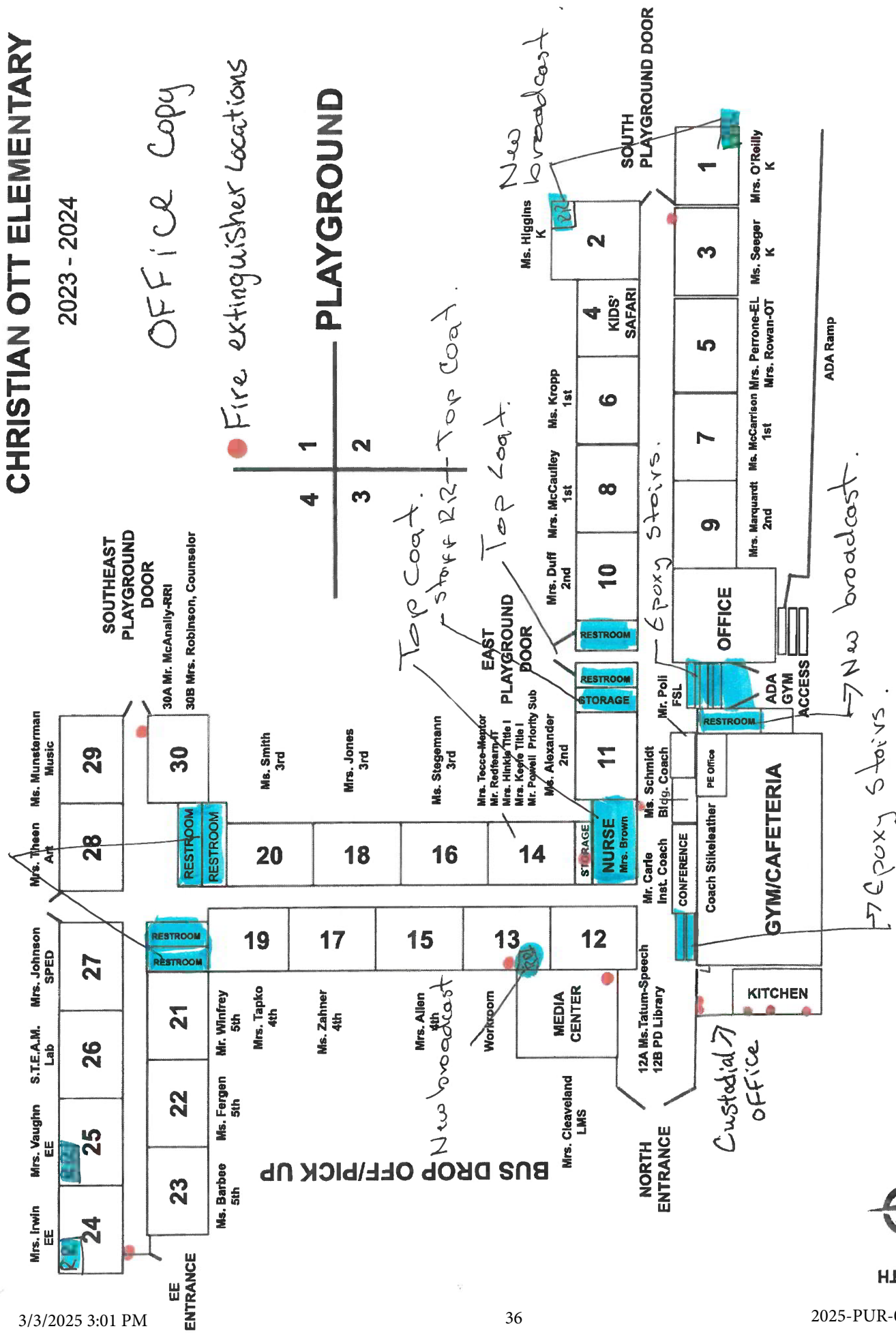
New broadcast, come out to door way.

# CHRISTIAN OTT ELEMENTARY

2023 - 2024

OFFICE Copy

● Fire extinguisher locations

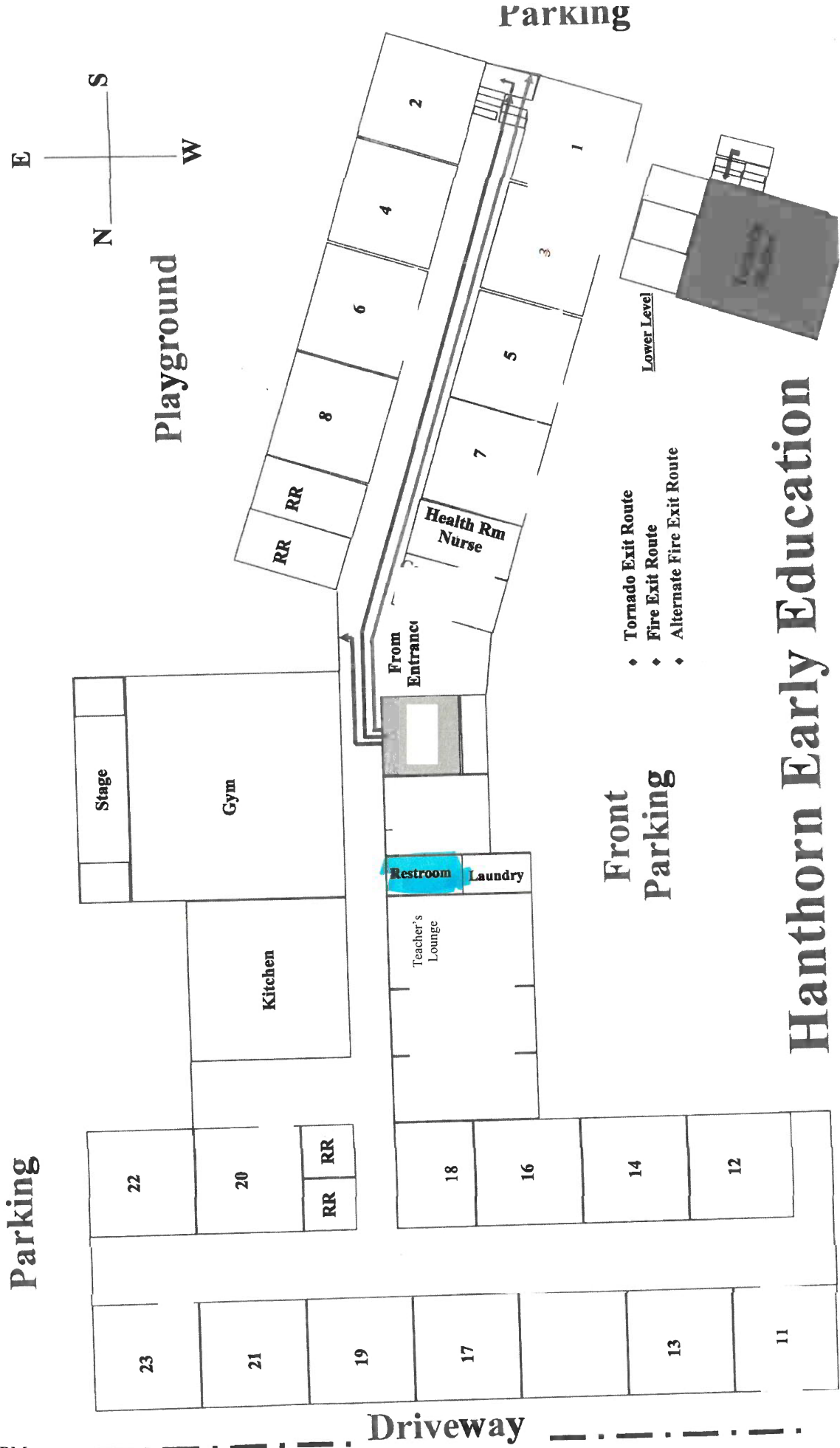


MAIN PARKING LOT  
STUDENT DROP OFF/PICK UP \* William Chrisman Blend



Epoxy

3/3/2025 3:01 PM



Driveway

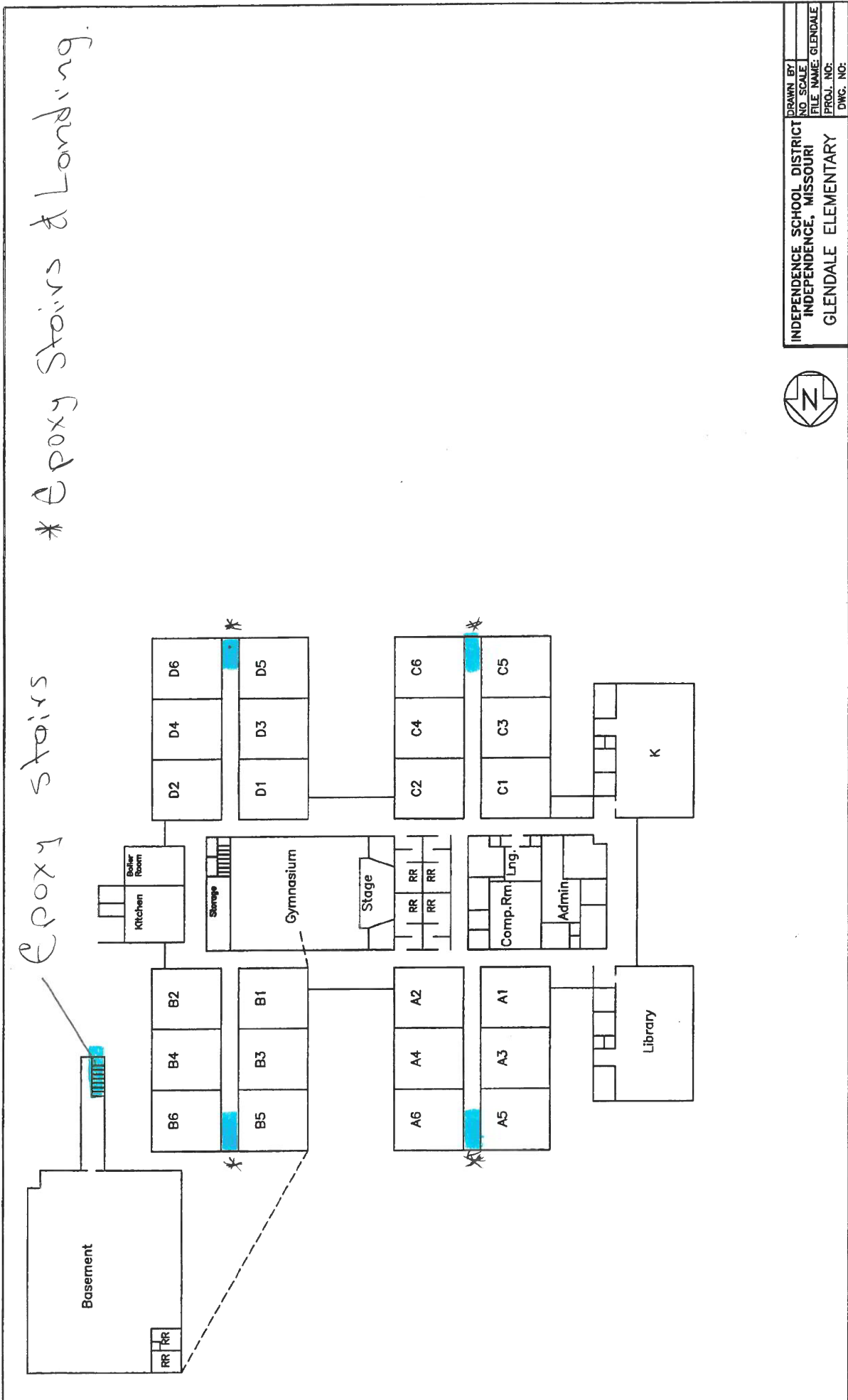




Epoxy

Epoxy stairs

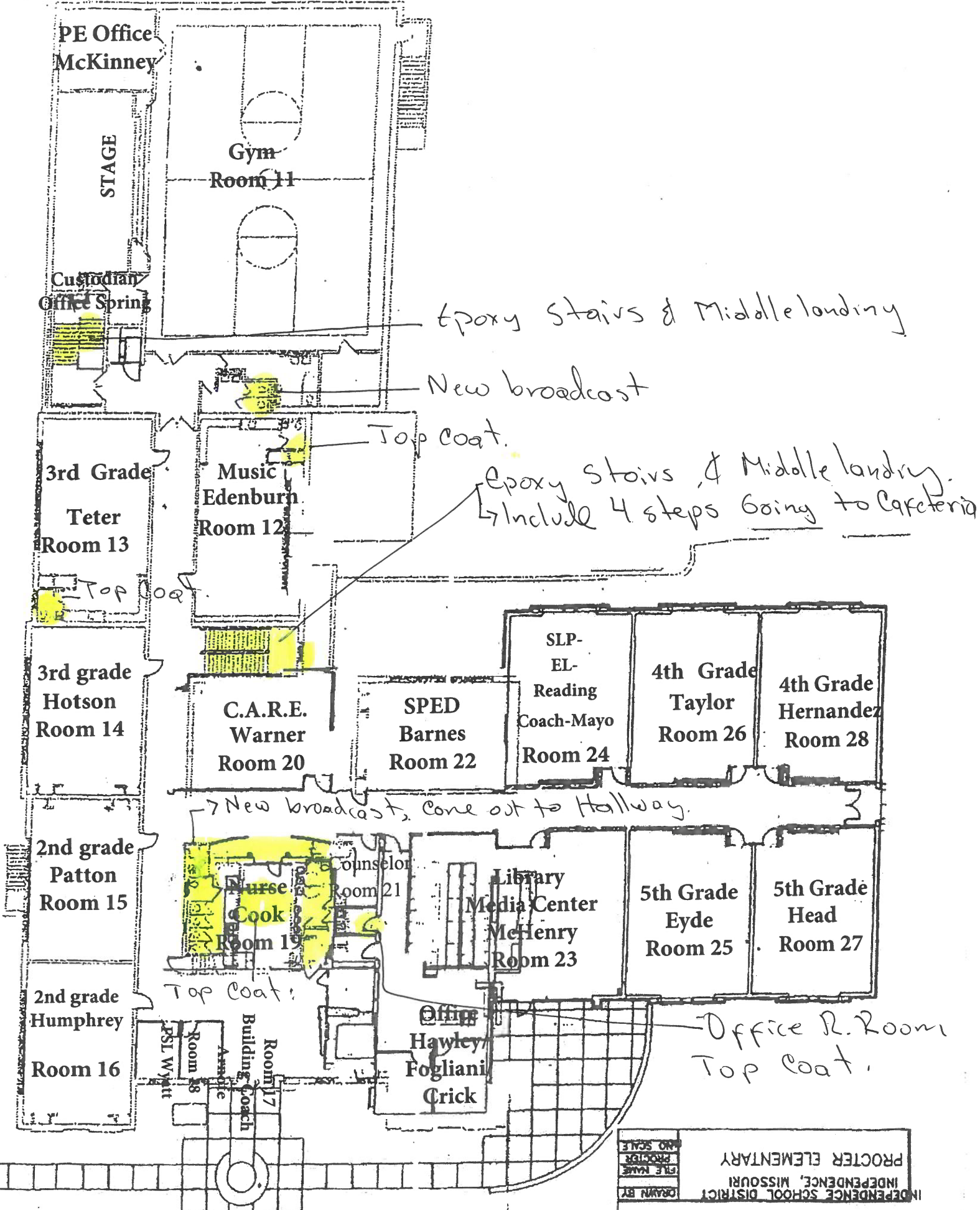
\* Epoxy Stairs & Landing.



INDEPENDENCE SCHOOL DISTRICT	DRAWN BY
INDEPENDENCE, MISSOURI	AND SCALE
GLENDALE ELEMENTARY	FILE NAME: GLENDALE
	PROJ. NO:
	DWG. NO:

# Procter Elementary Building Map 2023-2024

Epoxy

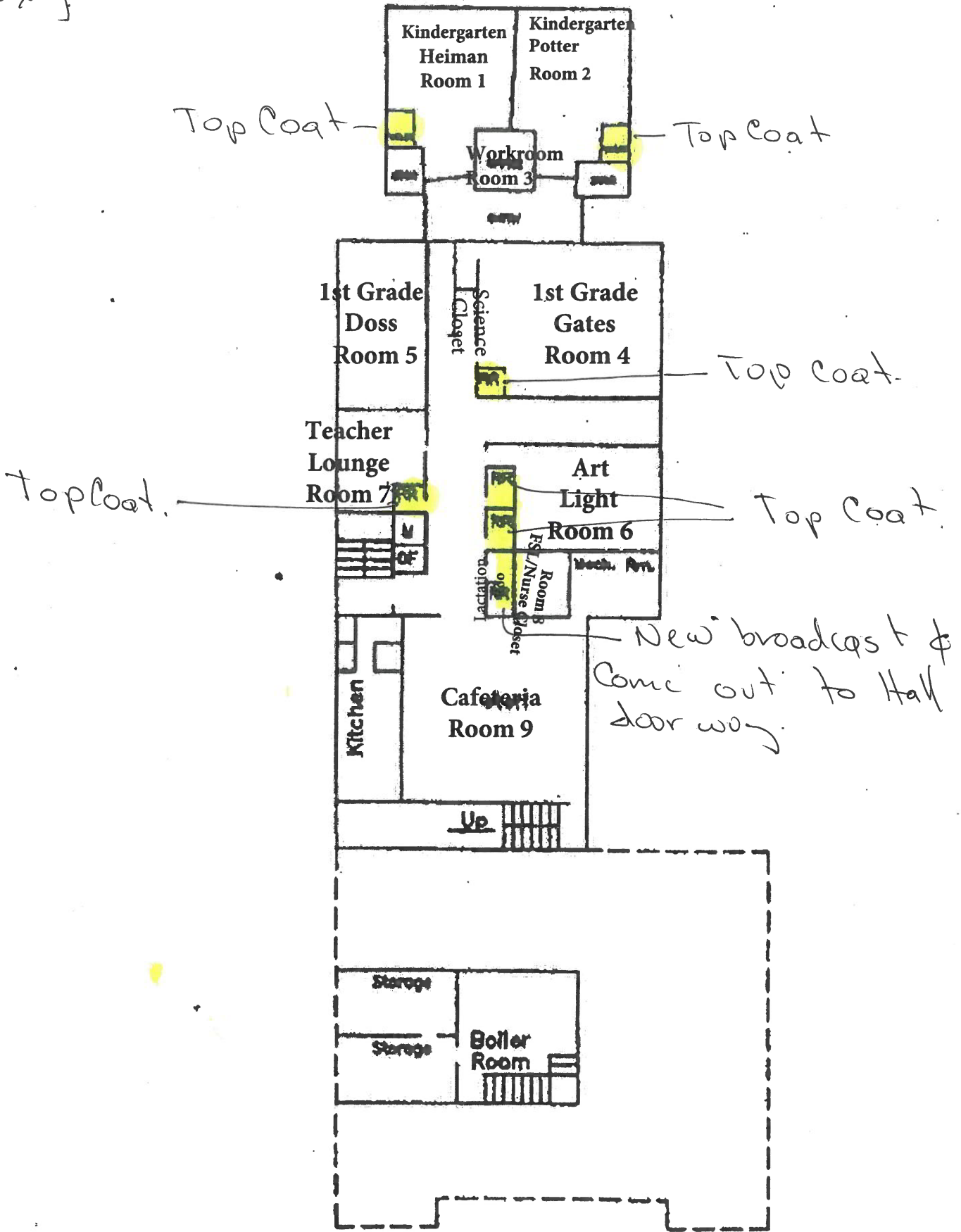


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INDEPENDENCE SCHOOL DISTRICT
INDEPENDENCE, MISSOURI
PROCTER ELEMENTARY
PROCTER
FILE NAME
NO SCALE
DRAWN BY



# Procter Elementary Building Map 2023-2024

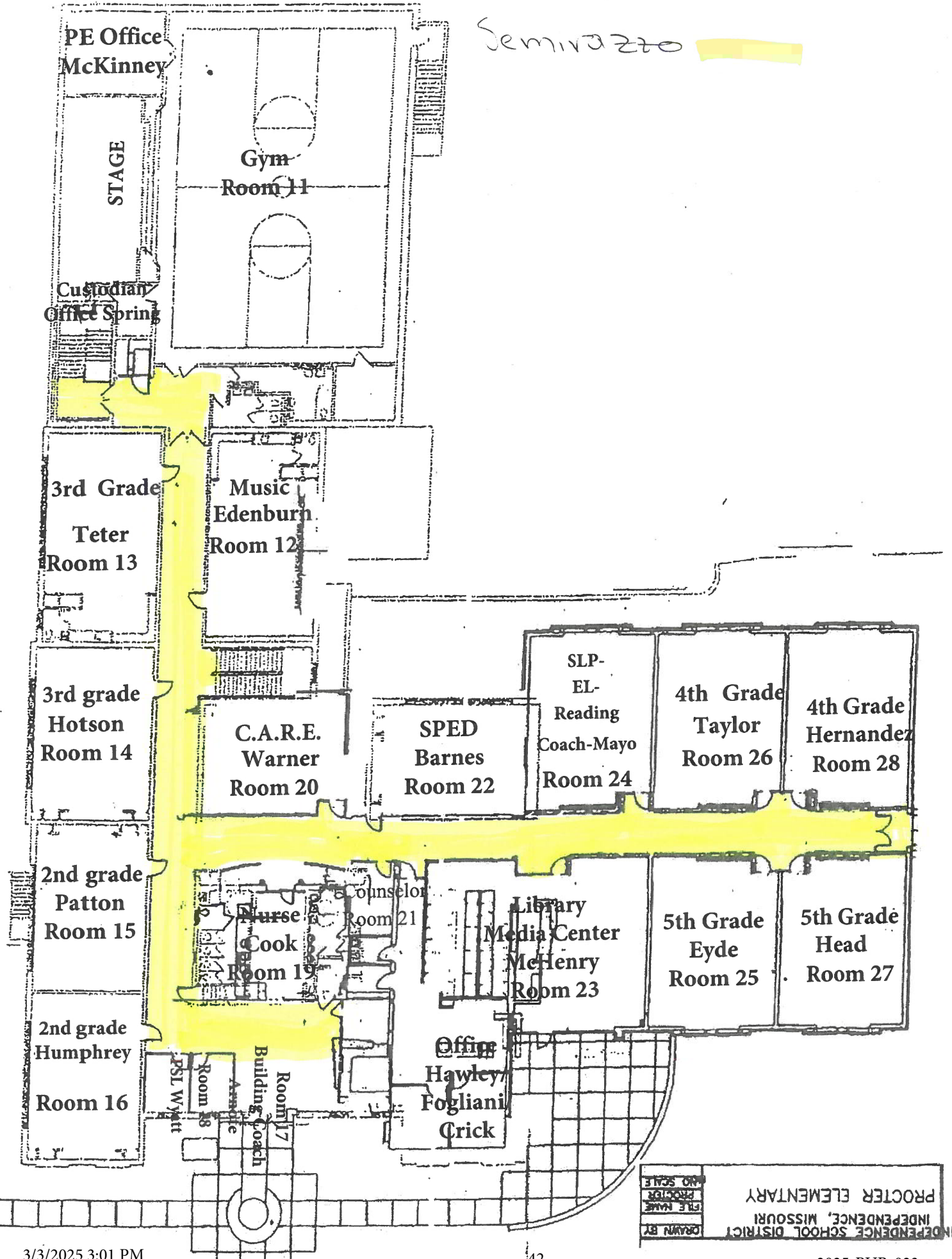
Epoxy



Ground Floor

# Procter Elementary Building Map 2023-2024

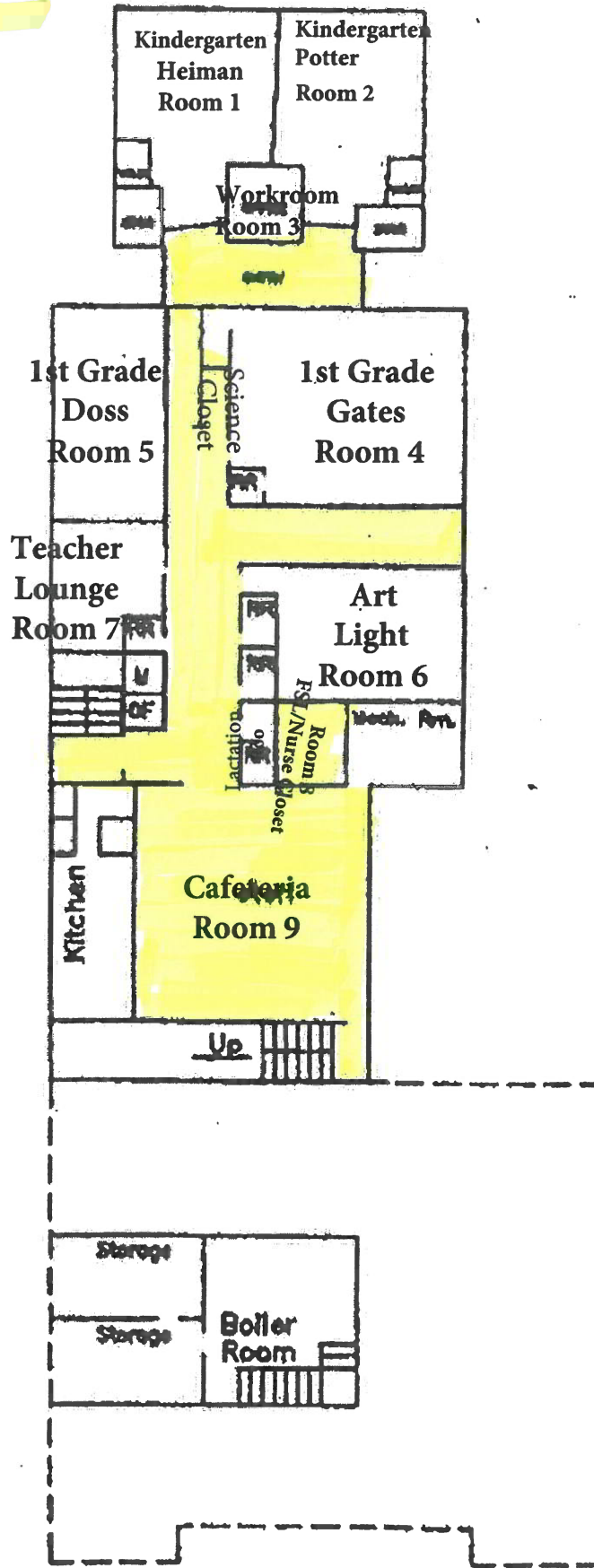
*Seminario*



INDEPENDENCE SCHOOL DISTRICT  
 PROCTER ELEMENTARY  
 PREPARED BY  
 PROCTER  
 NO SCALE

# Procter Elementary Building Map 2023-2024

Semirazzo

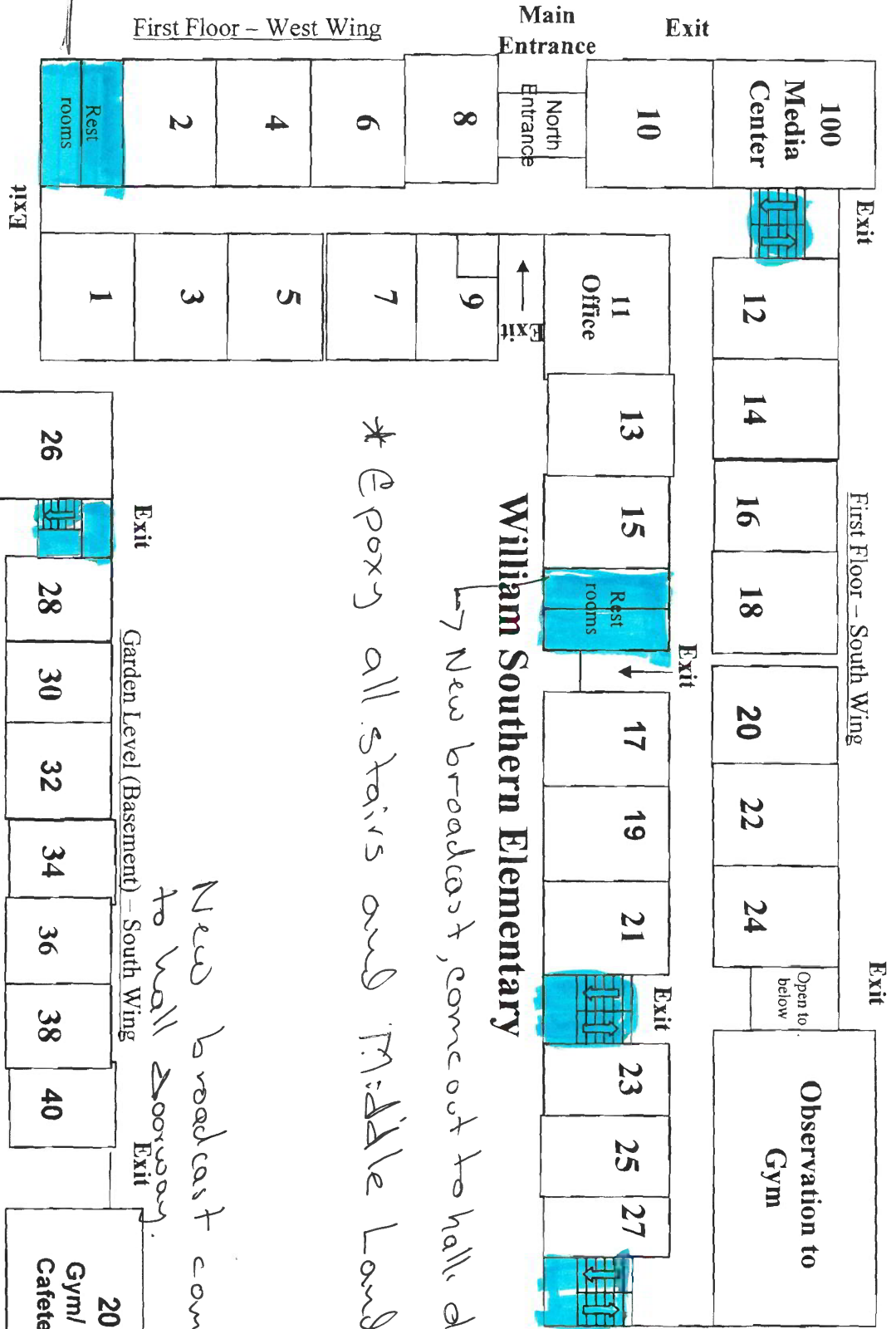


Ground Floor

Epoxy.

New

Hand  
CHARP  
winners  
Champion  
Twin  
Curtain



New broadcast,  
come out to hall  
Doorway.

\* Epoxy all stairs and Middle Landings.  
New broadcast, come out to hall doorway.

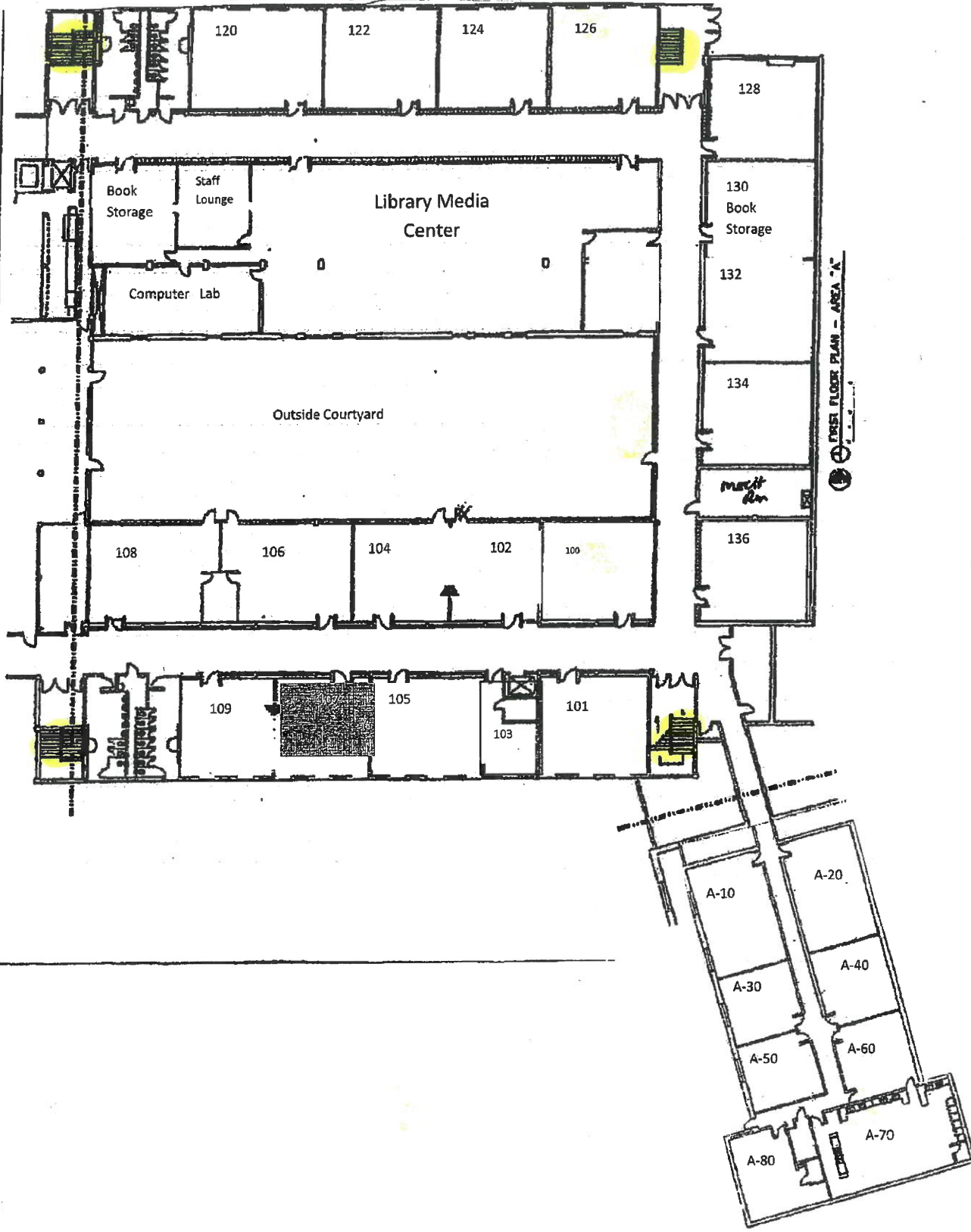
New broadcast come out  
to wall doorway.



Epoxy

Nowlin Middle School

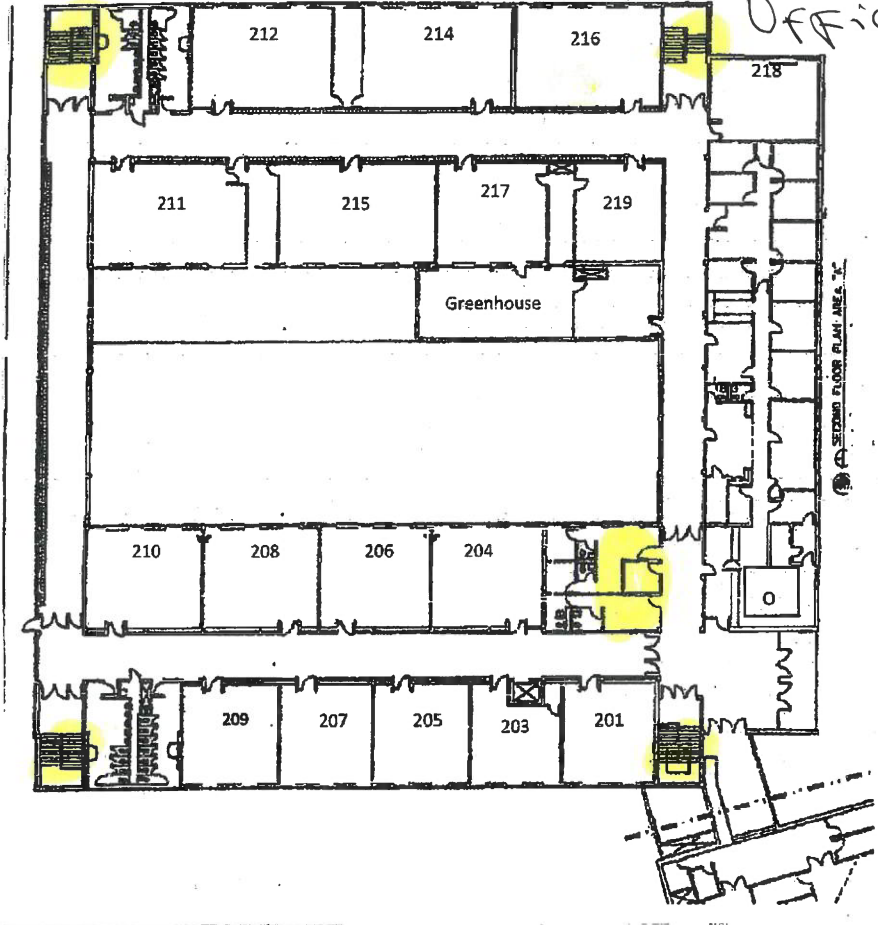
First Floor and A Wing.



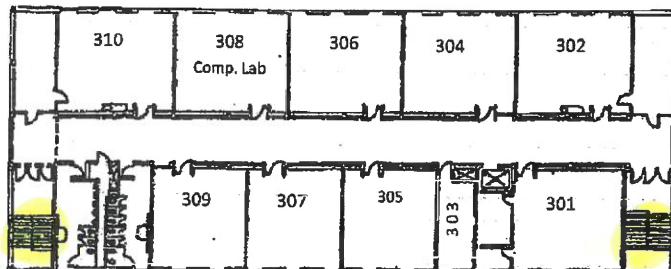
Nowlin Middle School

Second Floor

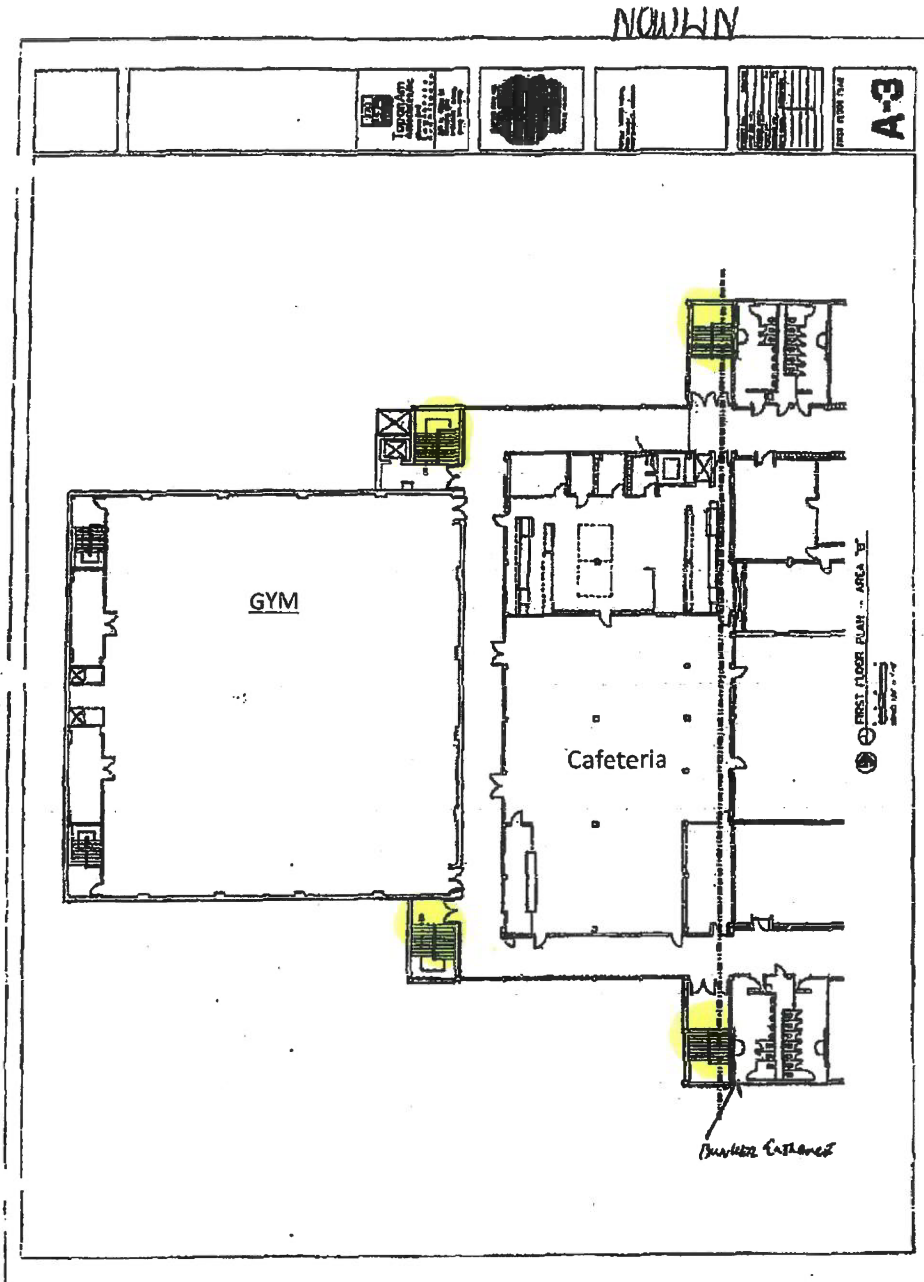
Epoxy all Stairs including Landings, also nurses Office.



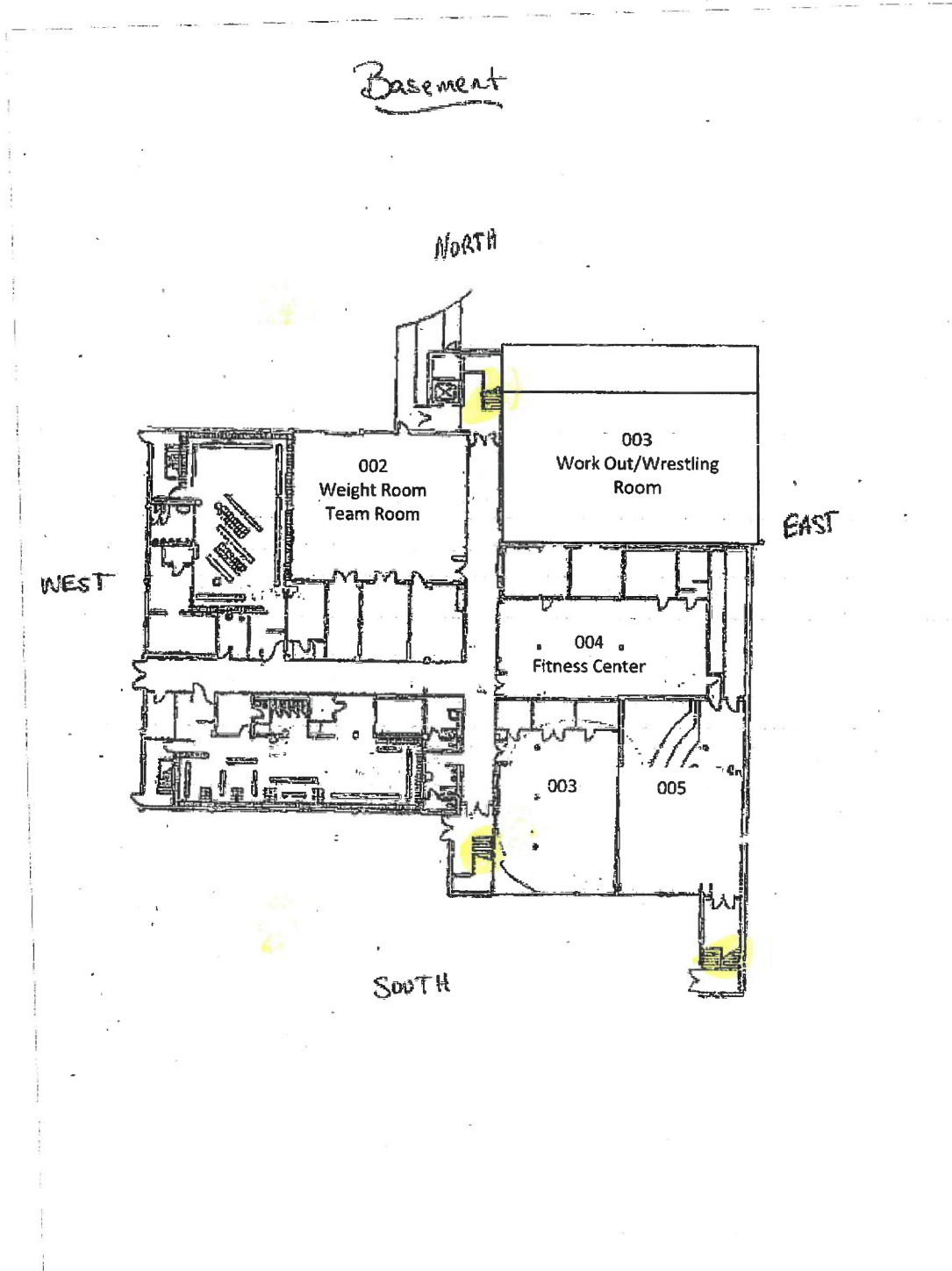
Third Floor



Epoxy



Epoxy





epoxy.

# Transportation map

