



Request for *proposal*

**EPOXY FLOORING FOR DISTRICT BUILDINGS
RFP# 2020-PUR-004**

**PROPOSALS MUST BE RECEIVED BY:
10:30 AM (CST) ON WEDNESDAY, MARCH 25, 2020**

Please mark your sealed envelope “**RFP #2020-PUR-004 Epoxy Flooring for District Buildings Proposal**” and deliver to the following address and person:

Lisa Patrick
Purchasing Supervisor
Lisa_Patrick@idschools.org

201 N. Forest Avenue
Independence, MO 64050
816-521-5599 extension 61010

*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 **Monday, March 16, 2020 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.



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 Lisa Patrick
 Independence School District
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Proposal Due:
March 25, 2020
10:30 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 10:30 a.m. on March 25, 2020. All information necessary for the submittal is contained in this RFP.

1.2. RFP Schedule

- 1.2.1. Issue RFP: February 28, 2020
- 1.2.2. Pre-bid Meeting and Inspection of property required and held at 201 N. Forest Avenue, Independence, MO 64050: March 11, 2020, 9:00 a.m.
- 1.2.3. Deadline to submit written questions: March 16, 2020, 2:00 p.m.
- 1.2.4. Deadline to submit proposals: March 25, 2020, 10:30 a.m.
- 1.2.5. Vendor selection date: April 14, 2020, 6:00 p.m.

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 1/8 inch system with 3 color (base, 2 colors of flake) comparable with a 6” covebase.*
- 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



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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. Polished Concrete

2.2. Locations

2.2.1. Bingham Middle School (Restrooms, Dog Houses, Kitchen, Recoating existing Restrooms with Epoxy)

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. Clifford H. Nowlin Middle School (Restrooms, Kitchen, Auditorium Lobby to be Polished Concrete)

2.2.2.1. *2800 S. Hardy, Independence, MO 64052*

2.2.2.1.1. *See specific areas in Attachment B*

2.2.3. Christian Ott Elementary School (Restrooms, Kitchen, Re-coating existing Restrooms with Epoxy and Wall Systems)

2.2.3.1. *1525 N. Noland Road, Independence, MO 64050*

2.2.3.1.1. *See specific areas in Attachment B*

2.2.4. Glendale Elementary School (Restrooms, Kitchen, Re-coating existing Restrooms with Epoxy)

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



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2.2.4.1.1. See specific areas in Attachment B

2.2.5. Independence Academy (Restrooms)

2.2.5.1. 600 W. Mechanic, Independence, MO 64050

2.2.5.1.1. See specific areas in Attachment B

2.2.6. ISD Transportation Department (Restrooms, Shop Restroom to be Polished Concrete)

2.2.6.1. 900 S. Powell Road, Independence, MO 64056

2.2.6.1.1. See specific areas in Attachment B

2.2.7. ISD Wellness Center (Restrooms, Showers and Wall Systems)

2.2.7.1. 201 N. Forest Avenue, Independence, MO 64050

2.2.7.1.1. See Specific areas in Attachment B

2.2.8. William Southern Elementary School (Restrooms, Kitchen and Re-coating existing Restrooms with Epoxy)

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

2.4. 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 14, 2020, 6:00 p.m. Board of Education Meeting

2.5.2. Contract Date: April 15, 2020 – All other Locations and areas in Attachment B

2.5.3. Planned commencement of service: May 18, 2020. 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.



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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 15, 2020 through May 18, 2021 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 18, 2020.

3.5.3. Start date

3.5.3.1. May 18, 2020

3.5.4. Date of substantial completion

3.5.4.1. August 7, 2020

3.5.5. Date of final completion

3.5.5.1. August 14, 2020

4. Required Insurance

4.1. Liability



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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: _____

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.



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- 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

- 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



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- 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) 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



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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.

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



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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 16, 2020 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@isdschools.org
201 N. Forest Avenue
Independence, MO 64050
816-521-5599 extension 61010

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



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9. Proposal submission and opening

9.1. Submission

- 9.1.1. Submit proposals in a sealed envelope marked “EPOXY FLOORING FOR DISTRICT BUILDINGS PROPOSAL 2020-PUR-004” and deliver to the following address and person:

Lisa Patrick
Purchasing Supervisor
lisa_patrick@isdschools.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 25, 2020

Time: 10:30 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.

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



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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 15, 2020 unless mutually agreed upon.

12. Vendor List



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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:
2/28/2020 8:29 AM



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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

Bidders are REQUIRED to provide the information below in FULL DETAIL.		
Indicate the person who will be supervising project and years of experience in similar work.		
Name: _____ Number of Years: _____		
Type of Experience: _____		
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.		
EMPLOYEE NAME	QUALIFICATIONS	EXPERIENCE/TRAINING



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Appendix D

BID PROPOSAL SUBMISSION FORM – Epoxy 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 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 acknowledged), for the lump sums hereinafter specified.



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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)

BID SHEET	
Project:	Epoxy Flooring for District Buildings
RFP#:	2020-PUR-004
Owner:	Independence School District
Date:	March 25, 2020
Contractor Name	

Schools	Bingham Middle School	Christian Ott Elementary	Clifford H. Nowlin Middle School	Glendale Elementary School	Independence Academy	ISD Transportation Department	ISD Wellness Center	William Southern Elementary School
Location Addresses	1716 S. Speck Road, Independence, Mo 64057	1525 N. Noland Road, Independence, MO 64050	2800 S. Hardy, Independence, MO 64052	2611 S. Lee's Summit Road, Independence, MO 64055	600 W. Mechanic, Independence, MO 64050	900 S. Powell Road, Independence, MO 64056	201 N. Forest Avenue, Independence, MO 64050	4300 S. Phelps Road, Independence, MO 64055
Areas	Restrooms, Dog Houses, Kitchen, Re-coating existing Restrooms with Epoxy	Restrooms, Kitchen, Re-coating existing Restrooms with Epoxy and Wall Systems	Restrooms, Kitchen, Auditorium Lobby to be Polished Concrete	Restrooms, Kitchen, Re-coating existing Restrooms with Epoxy	Restrooms	Restrooms and Shop Restroom to be Polished Concrete	Restrooms, Showers, Wall Systems	Restrooms, Kitchen, Re-coating existing Restrooms with Epoxy
1. Broadcast Flake 1/8 inch system with 3 color (base, 2 colors of flake) comparable with 6" covebase, include Flast-O-Coat Waterproofing Membrane &/or MVP Primer for any required moisture mitigation. 2. Include any additional supplies needed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Disposal (Provide dumpster), Removal Charges, Installation Charges, Freight and Delivery Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL BID	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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: _____

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
© Tennant Company 02/23/06

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

Eco-DFS™ Random

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, 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

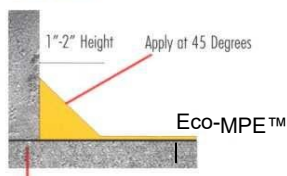
- A. Apply floor coating system in accordance with manufacturer's instructions.
1. Equipment: squeegees, rollers, mechanical blower and funnel for quartz application, etc.
 2. Coating: Eco-DFS™ -- Decorative Floor Solutions.
 1. Mix Eco-MPE™ components together in accordance with manufacturer's instructions.
 2. Mix only enough material which can be applied within 25 minutes.
 3. Apply Eco-MPE™ at the rate of 160-200 ft²/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 ft²/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

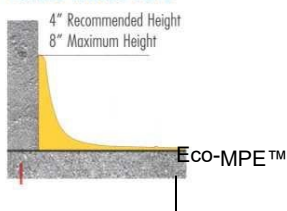
END OF SECTION

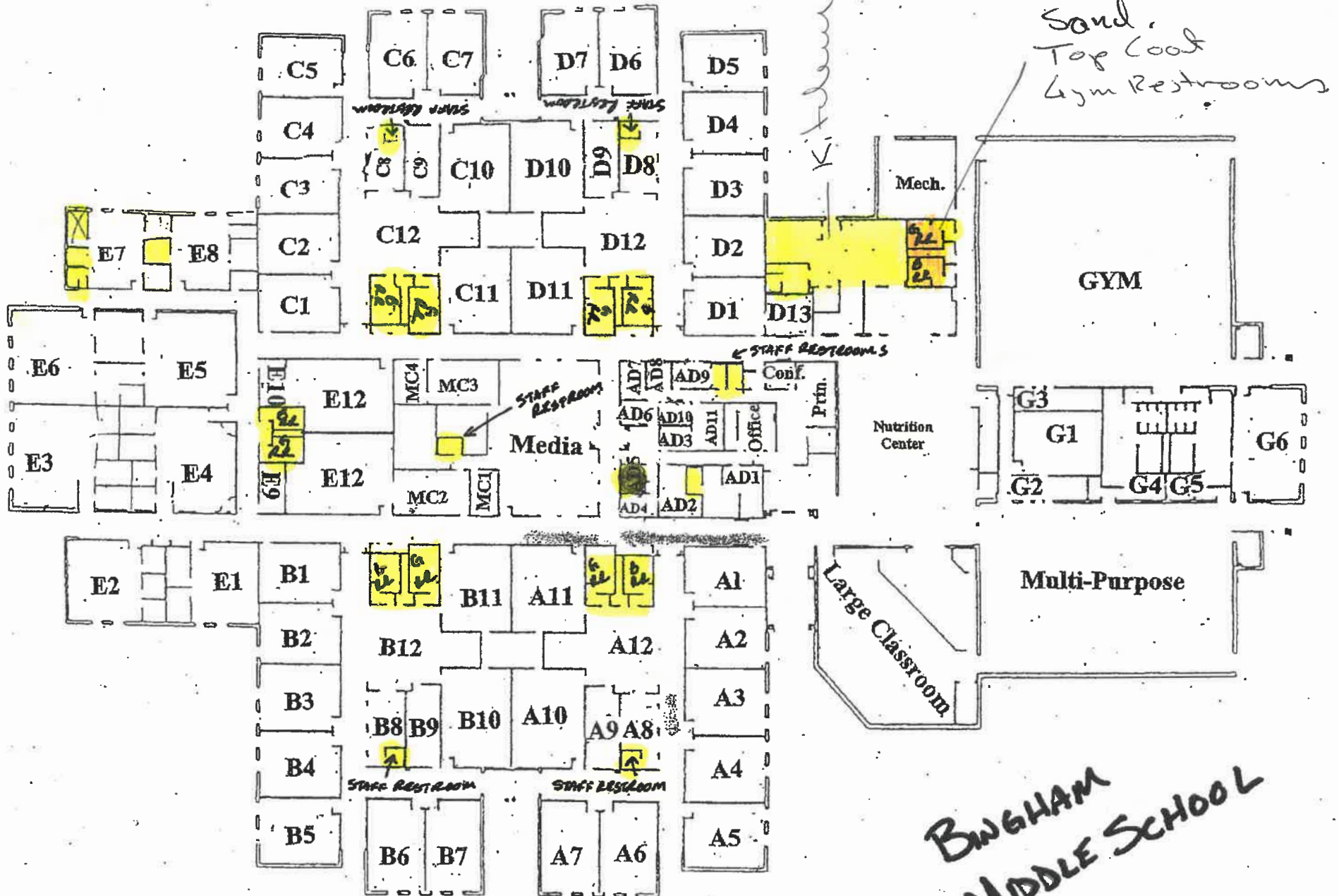
CANT COVE



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

ROLLED RADIUS COVE





Sand Top Coat Gym Restrooms

K. Allen

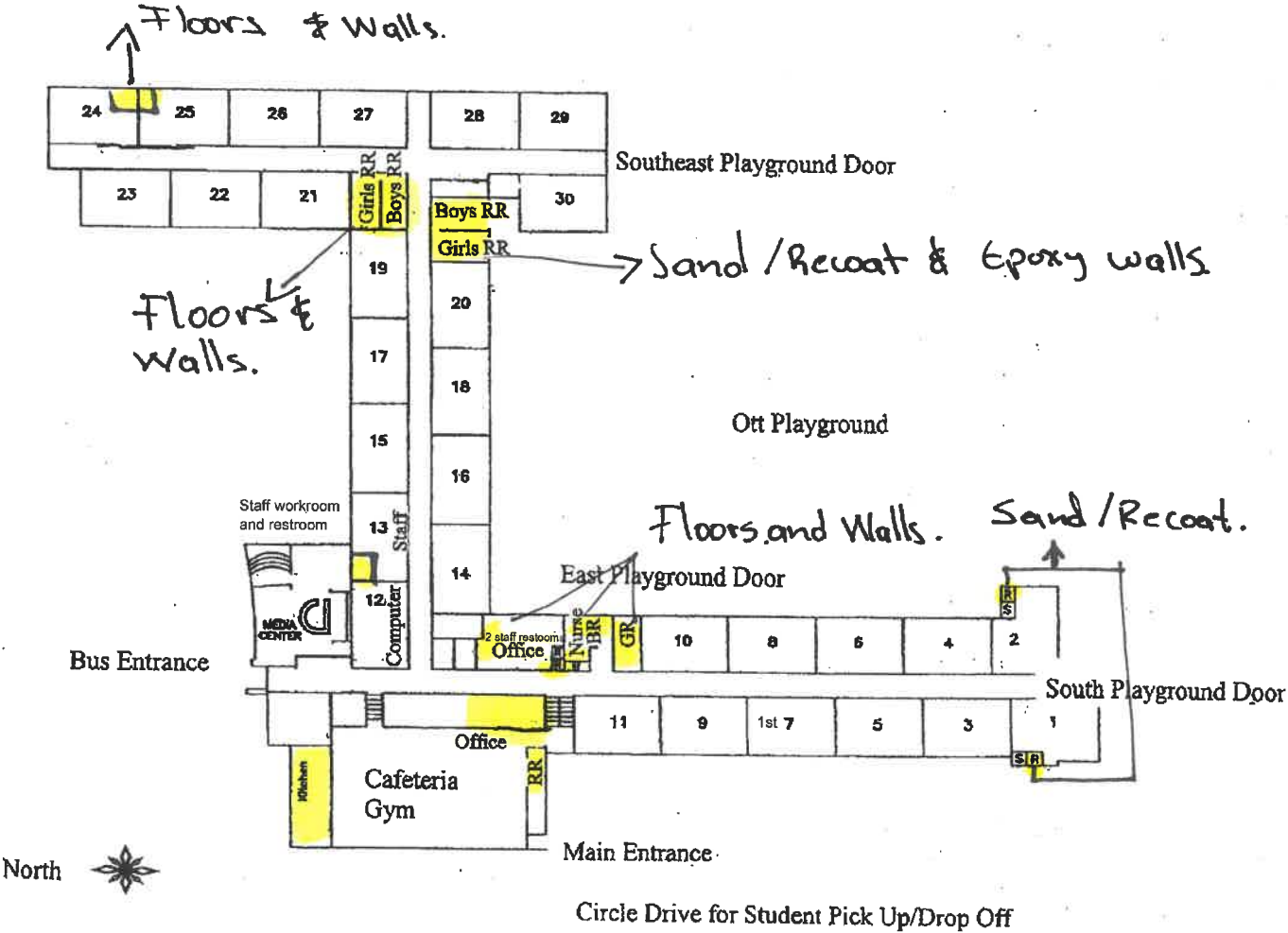
STAFF RESTROOM

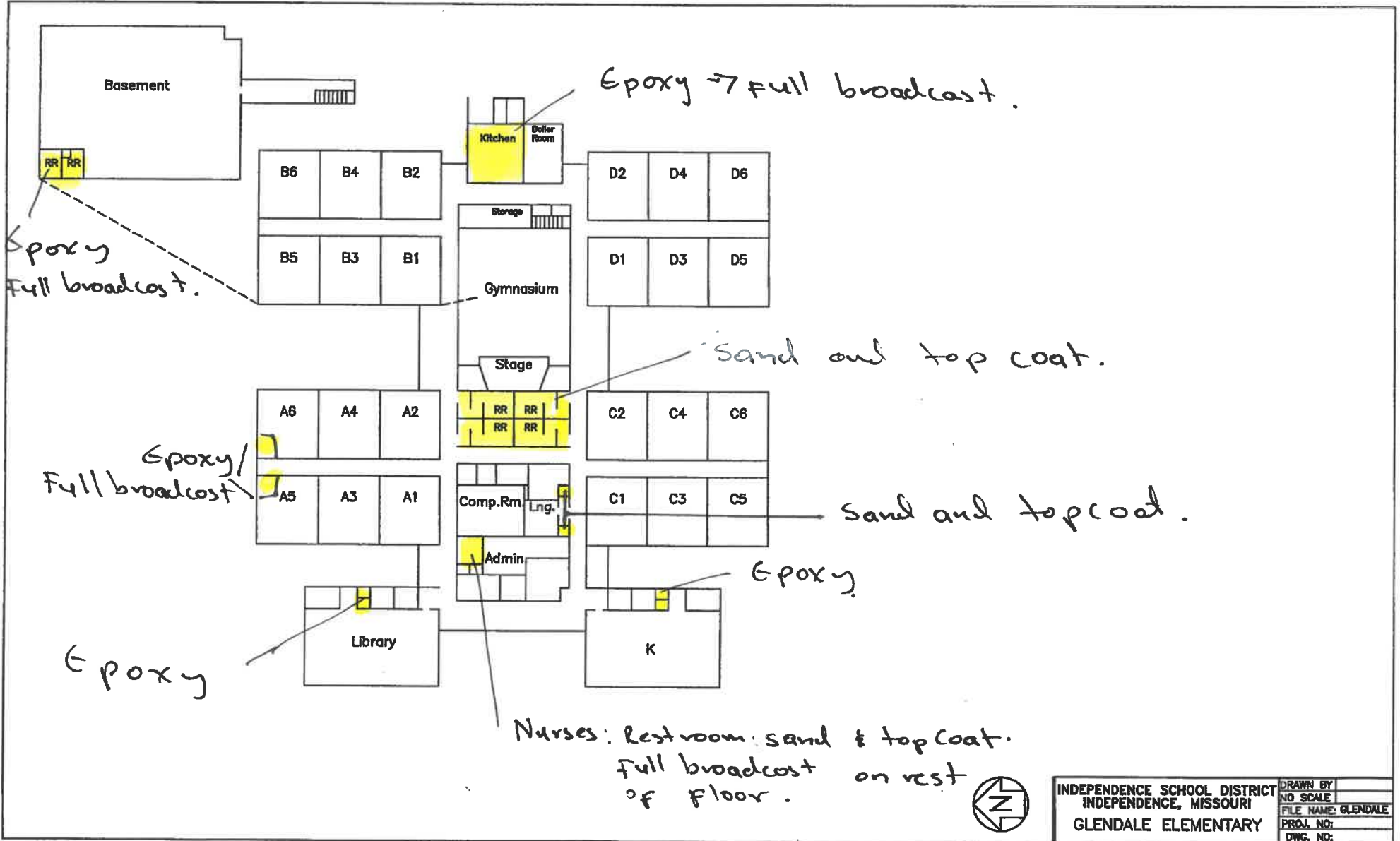
STAFF RESTROOMS

BINGHAM MIDDLE SCHOOL

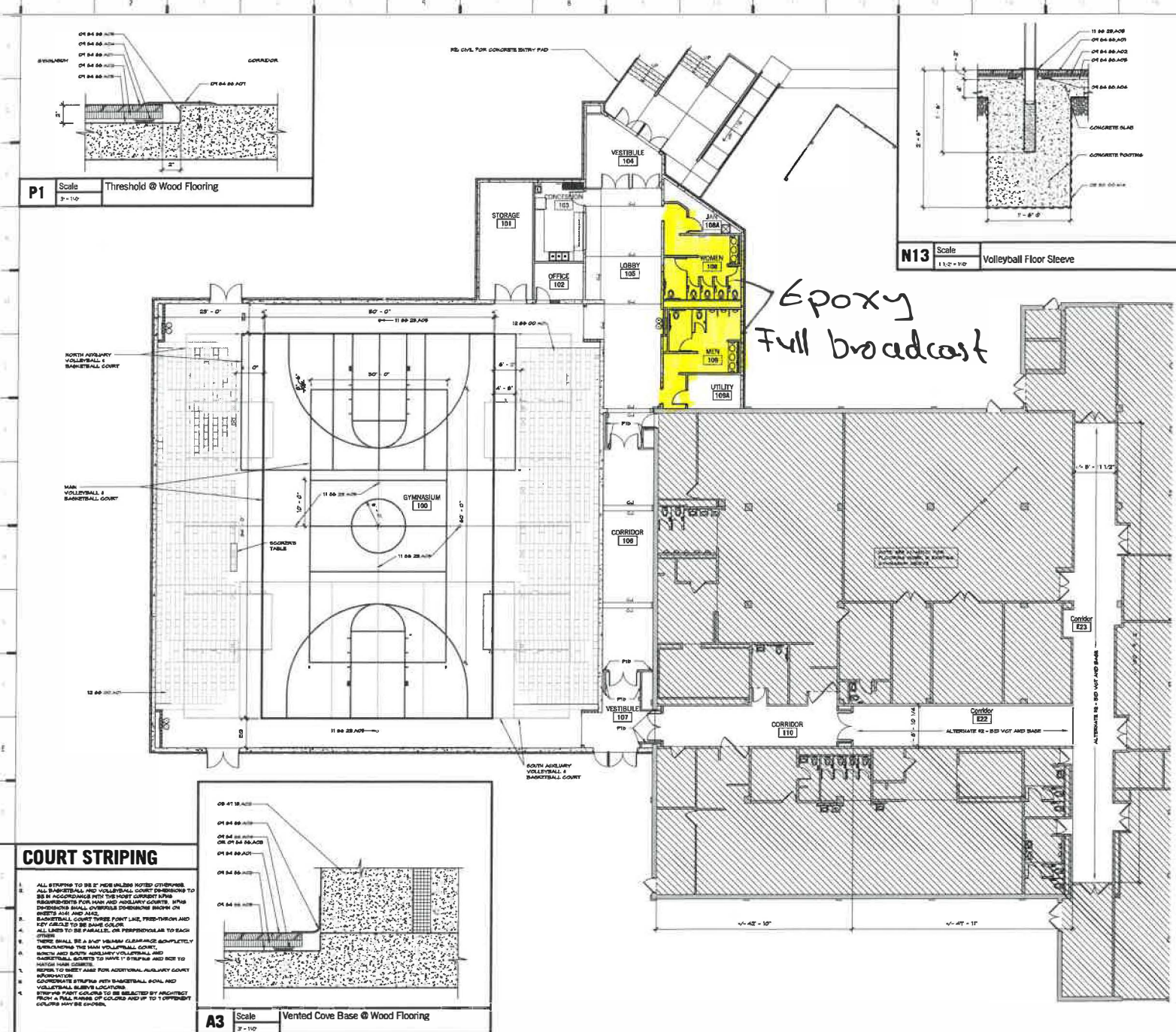
Epoxy Full Broadcast
 sand and top coat

Christian Ott Elementary





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

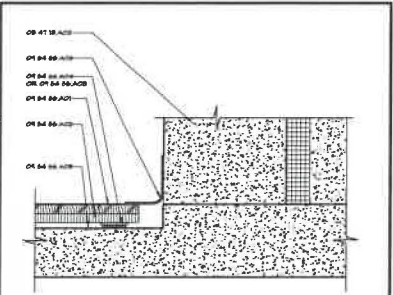


P1 Scale 3" = 1'-0" Threshold @ Wood Flooring

N13 Scale 1/4" = 1'-0" Volleyball Floor Steeve

COURT STRIPING

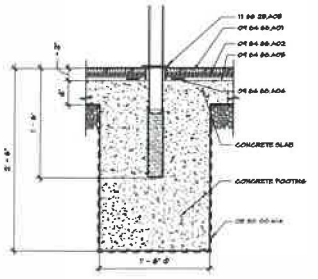
1. ALL STRIPING TO BE 2" WIDE UNLESS NOTED OTHERWISE.
2. ALL BASKETBALL AND VOLLEYBALL COURT DIMENSIONS TO BE IN ACCORDANCE WITH THE MOST CURRENT NFHS REQUIREMENTS FOR HIGH AND JUNIORITY COURTS. NFHS DIMENSIONS SHALL OVERLAP/USURP DIMENSIONS SHOWN ON THESE PLANS AND ALSO BASKETBALL COURT THREE POINT LINE, FREE-THROW AND KEY CIRCLES TO BE SAME COLOR.
3. ALL LINES TO BE PARALLEL, OR PERPENDICULAR TO EACH OTHER.
4. THERE SHALL BE A 3/4" MINIMUM CLEARANCE COMPLETELY SURROUNDING THE MAIN VOLLEYBALL COURT, NORTH AND SOUTH ADJUTARY VOLLEYBALL AND BASKETBALL COURTS TO HAVE 1" STRIPING AND RISE TO MATCH HALL SUBSTRATE.
5. REFER TO MEETINGS AND FOR ADDITIONAL ADJUTARY COURT INFORMATION ON VOLLEYBALL SUBSTRATE LOCATIONS.
6. FINISH PAINT COLORS TO BE SELECTED BY ARCHITECT FROM A PALETTE OF COLORS AND UP TO DIFFERENT COLORS MAY BE CHOSEN.



A3 Scale 3" = 1'-0" Vented Cove Base @ Wood Flooring

SHEET KEYNOTE LEGEND

- OR 01 01 01 01 VAPOR RETARDER
- OR 01 01 01 02 INSULATED TYP. BARRIER PANELS
- OR 01 01 01 03 FLOOR FINISHING FLOOR
- OR 01 01 01 04 ACCELYMENT
- OR 01 01 01 05 RESILIENT FLOOR-ADHESIVE
- OR 01 01 01 06 RESILIENT FLOOR
- OR 01 01 01 07 VAPOR RETARDER
- OR 01 01 01 08 RESILIENT FLOOR-ADHESIVE
- OR 01 01 01 09 EXPANDED COVER
- OR 01 01 01 10 VOLLEYBALL FLOOR SUBSTRATE
- OR 01 01 01 11 TELESCOPING STANDS



architects
hollis + miller

1001 N. 10th Street
Baltimore, MD 21217
410.527.8800
410.527.8801

200 West Street
Lynchburg, VA 24502
434.979.4444
434.979.4445

200 West Street
Lynchburg, VA 24502
434.979.4444
434.979.4445

200 West Street
Lynchburg, VA 24502
434.979.4444
434.979.4445

Conway, VA - Inland Inc.
Civil Engineer
1001 N. 10th Street
200 S. 11th St. Hwy 28/29 at
Independence, VA 24647
540.753.4200 (phone)
540.753.4200 (fax)

Chosen Associates
MEP Engineers
1201 Old Bluff Parkway, 200
Warrenton, OR 97146
503.862.1122 (phone)
503.862.1122 (fax)

Construction Documents

Nowlin Gymnasium Addition
Independence School District
2800 S Hardy Ave
Independence, MO
Inspiring Greatness

INDEPENDENCE SCHOOL DISTRICT
2800 S Hardy Ave
Independence, MO 64501
816.836.8778

Professional Seal
Architect
No. 0000000000
No. 0000000000
No. 0000000000
No. 0000000000

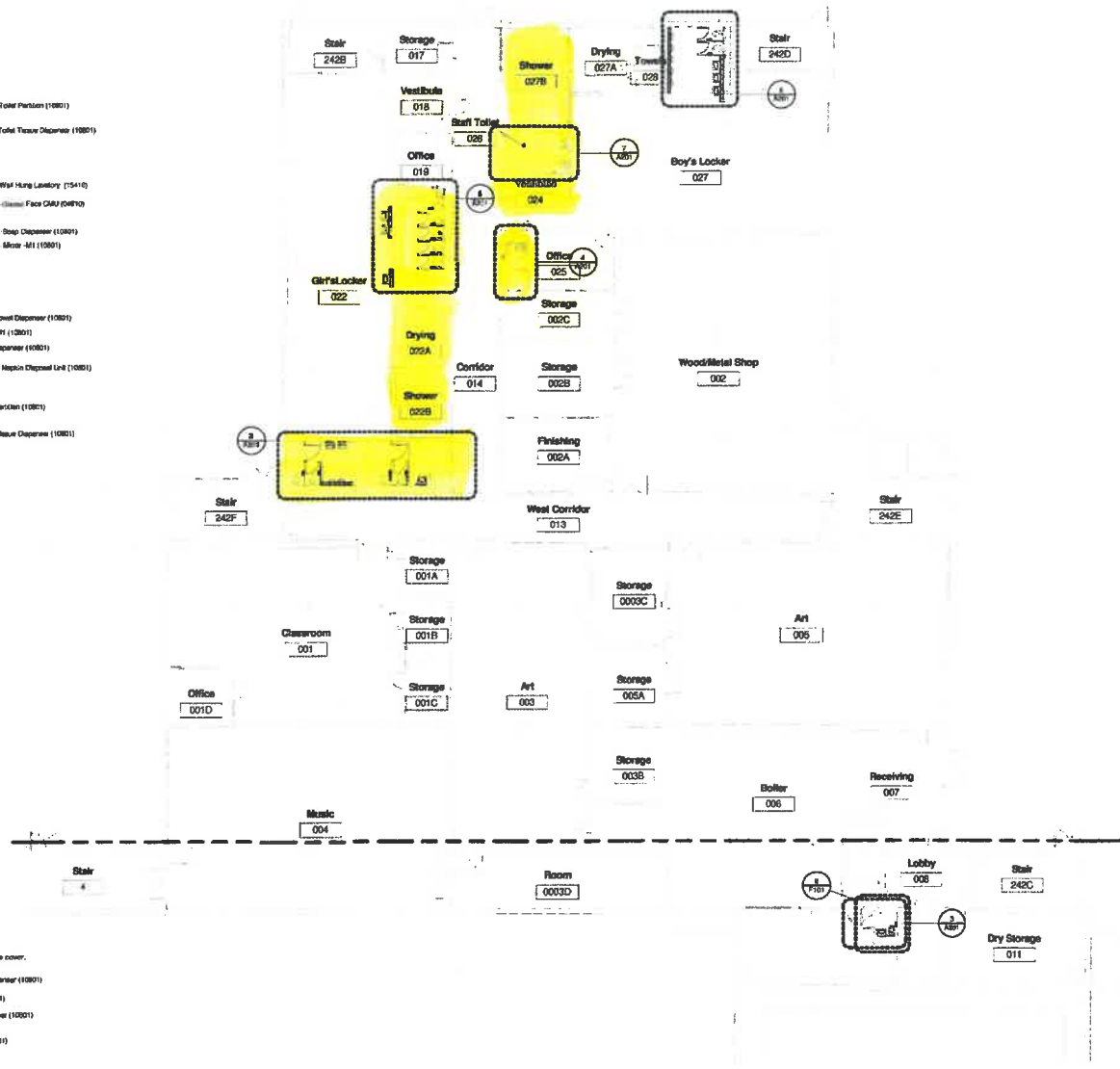
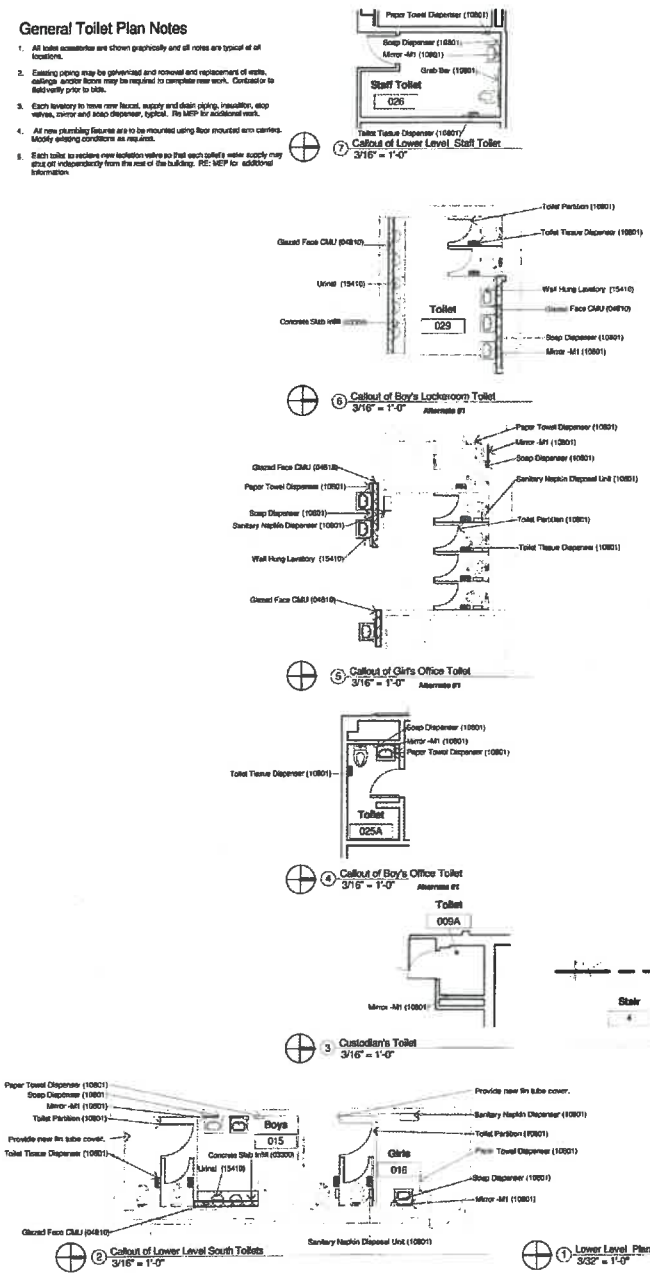
A141

FINISH FLOOR PLAN

Epoxy Full Broadcast

General Toilet Plan Notes

- 1. All toilet accessories are shown graphically and all notes are typical at all locations.
- 2. Existing ceiling may be removed and replacement of walls, ceiling, and/or floors may be required to complete new work. Contact or refer to drawings prior to bid.
- 3. Each lavatory to have new faucet, supply and drain piping, insulation, echo valves, mirror and soap dispenser, typical. See MEP for additional notes.
- 4. All new plumbing fixtures are to be mounted using floor mounted iron casters. Sloppy sloping conditions are required.
- 5. Each toilet to receive new isolation valve so that each toilet's water supply may shut off independently from the rest of the building. See MEP for additional information.



6801 CROWLEY, WADE, MILSTEAD, INC.

Justin Graham Durham
2009025512

CWM
Crowley, Wade, Milstead, Inc.
Engineers • Architects • Surveyors

3200 South A4-291 Highway
Independence, Missouri 64057
Voice: 816.373.4800
Fax: 816.373.4803
www.cwm-inc.com
Missouri State Certificate of Authority
Architecture: #000310

Consultants
Mechanical / Electrical Engineer
pkmr
Chris Miller

Project no: 0378.2210
Date: March 2011

Lower Level Floor Plan

Revision Description Date

Revision	Description	Date

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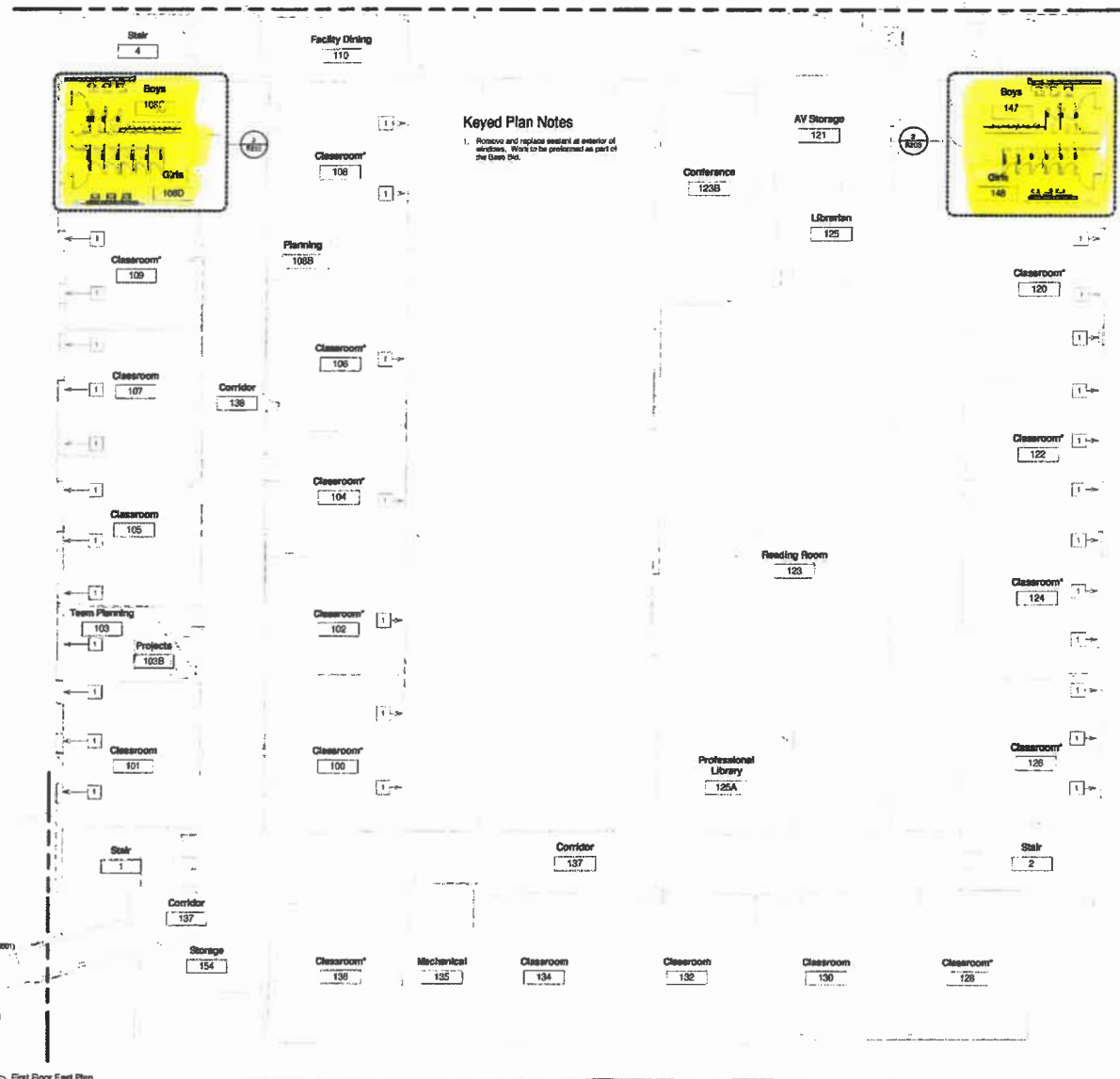
6 epoxy Full Broadcast.

General Toilet Plan Notes

- All toilet accessories are shown graphically and as notes are typical at all locations.
- Existing piping may be galvanized and removal and replacement of walls, ceiling, and/or floors may be required to complete new work. Contractor to verify pipe to bids.
- Each lavatory to have new faucet, supply and drain piping, insulation, stop valves, mirror and auto-dispenser, typical. See MEP for additional work.
- All new plumbing fixtures are to be installed using floor mounted air carrier through existing ceilings as required.
- Each toilet to include rear isolation valve on the each toilet water supply line and independently from the rest of the building. See MEP for additional information.

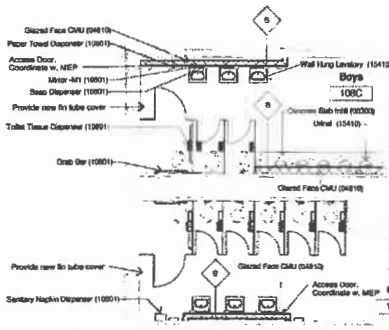
Student Dining
114

Kitchen
118

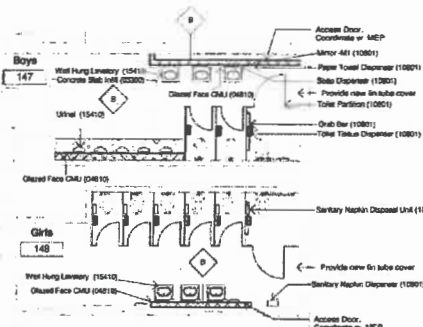


Keyed Plan Notes

- Remove and replace essent at exterior of building. Work to be performed as part of the base bid.



Callout of First Floor South Plan SW Toilets
3/16" = 1'-0"



Callout of First Floor South Plan NW Toilets
3/16" = 1'-0"

First Floor East Plan
3/32" = 1'-0"



Justin Graham Durham
200506512

CWM
Crowley,
Wade,
Milstead, Inc.

3200 South M-291 Highway
Independence, Missouri 64037
Voice: 816.373.4800
Fax: 816.373.4803
www.cwm-inc.com
Missouri State Certificate of Authority
Architecture: #0003110

Consultants

Mechanical / Electrical Engineer

pkmr

Personnel: Scott Winkler, Paul Epperson, LLC
201 West
Independence, MO 64050
phone 816.346.1000 fax 816.346.6900
www.pkmdesign.com

PROJECT

Nowlin Middle School Building Renovations

CLIENT:
Independence School District

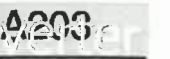
Independence
SCHOOL DISTRICT
Inspiring Greatness

ADDRESS:
2800 South Hardy Avenue
Independence, MO 64052

Revision	Description	Date

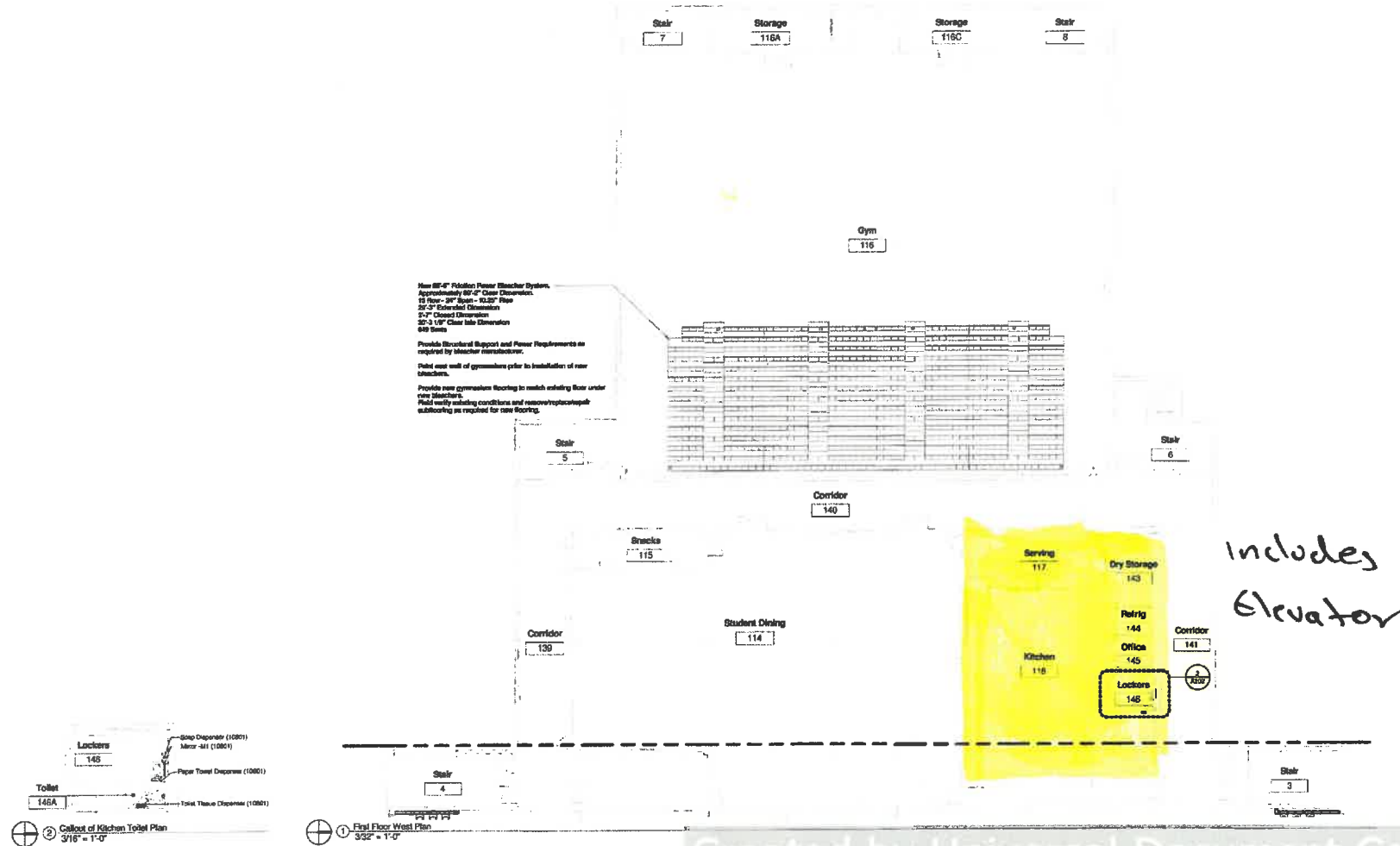
Project no: 0378.22.10
Date: March 2011

First Floor East Plan



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Gpoxy Full Broadcast.



0311 CROWLEY, WADE, MILSTEAD, INC.

 Justin Graham Dahan
 200905512
CWM
 Crowley, Wade, Milstead, Inc.
 Engineers • Architects • Surveyors
 3200 South M-291 Highway
 Independence, Missouri 64057
 Voice: 816.373.4800
 Fax: 816.373.4803
 www.cwm-inc.com
 Missouri State Certificate of Authority
 Architecture: #020310
Consultants
 Mechanical / Electrical Engineer
pkmr
 POWER KIMMEL MOHR ROSE ENGINEERS LLC
 851 Walnut Kansas City, Missouri 64108
 816.241.0000 pkmr.com

PROJECT
 Nowlin Middle School Building Renovations
CLIENT:
 Independence School District

ADDRESS:
 2900 South Hardy Avenue
 Independence, MO 64052

REVISION	DATE	
Revision	Description	Date

Project no: 0378-2210
 Date: March 2011

First Floor West Plan

General Toilet Plan Notes

1. All toilet accessories are shown graphically and all notes are typical at all locations.
2. Existing piping may be generalized and removal and replacement of waste, venting and/or floor may be required to complete new work. Contractor to verify prior to bid.
3. Each lavatory to have new faucet, supply and drain piping, insulation, stop valves, mirror and soap dispenser, typical. See MEP for additional work.
4. All new plumbing fixtures are to be installed using floor mounted arm carriers. Modify existing conditions as required.
5. Each toilet to receive new location valve so that each toilet's water supply may shut off independently from the rest of the building. SEE MEP for additional information.

88811 CROWLEY, WADE, MILSTEAD, INC.



Justin Graham Durfman
2009005612

CWM
Crowley,
Wade,
Milstead, Inc.

Engineering • Architecture • Surveying
3200 South M-291 Highway
Independence, Missouri 64057
Voice: 816.373.4800
Fax: 816.373.4803
www.cwm-inc.com
Missouri State Certificate of Authority
Architecture: A000310

Consultants

Mechanical / Electrical Engineer



Parsons Brinckerhoff Real Engineers LLC
317 Walnut Street, Suite 200
Independence, MO 64052
www.parsons.com

PROJECT

Nowlin Middle
School Building
Renovations

CLIENT:
Independence
School District



ADDRESS:
2800 South Hardy Avenue
Independence, MO 64052

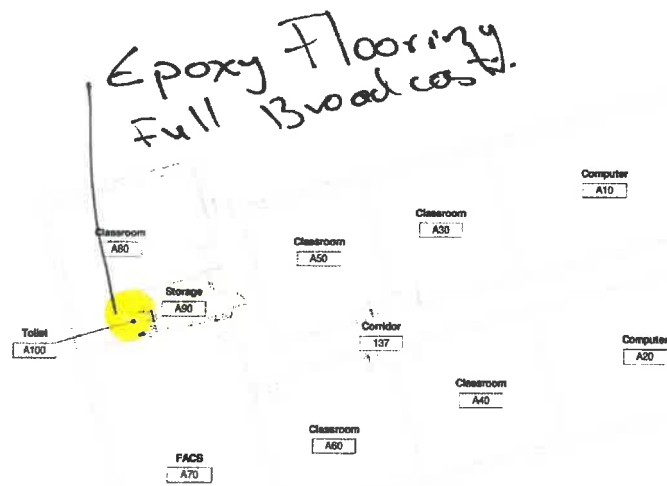
REVISION DATE

Revision Description Date

Project no: 0378-2210
Date: March 2011

First Floor South Plan

A204



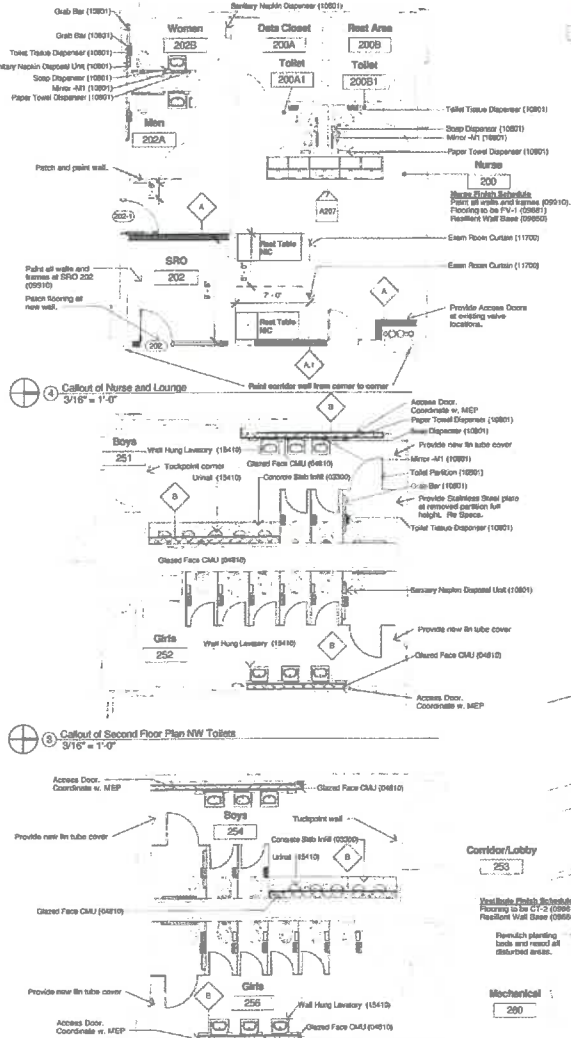
2 Callout of First Floor South Toilet Plan
3/18" = 1'-0"

1 First Floor South Plan
3/32" = 1'-0"

Epoxy Full Broadcast.

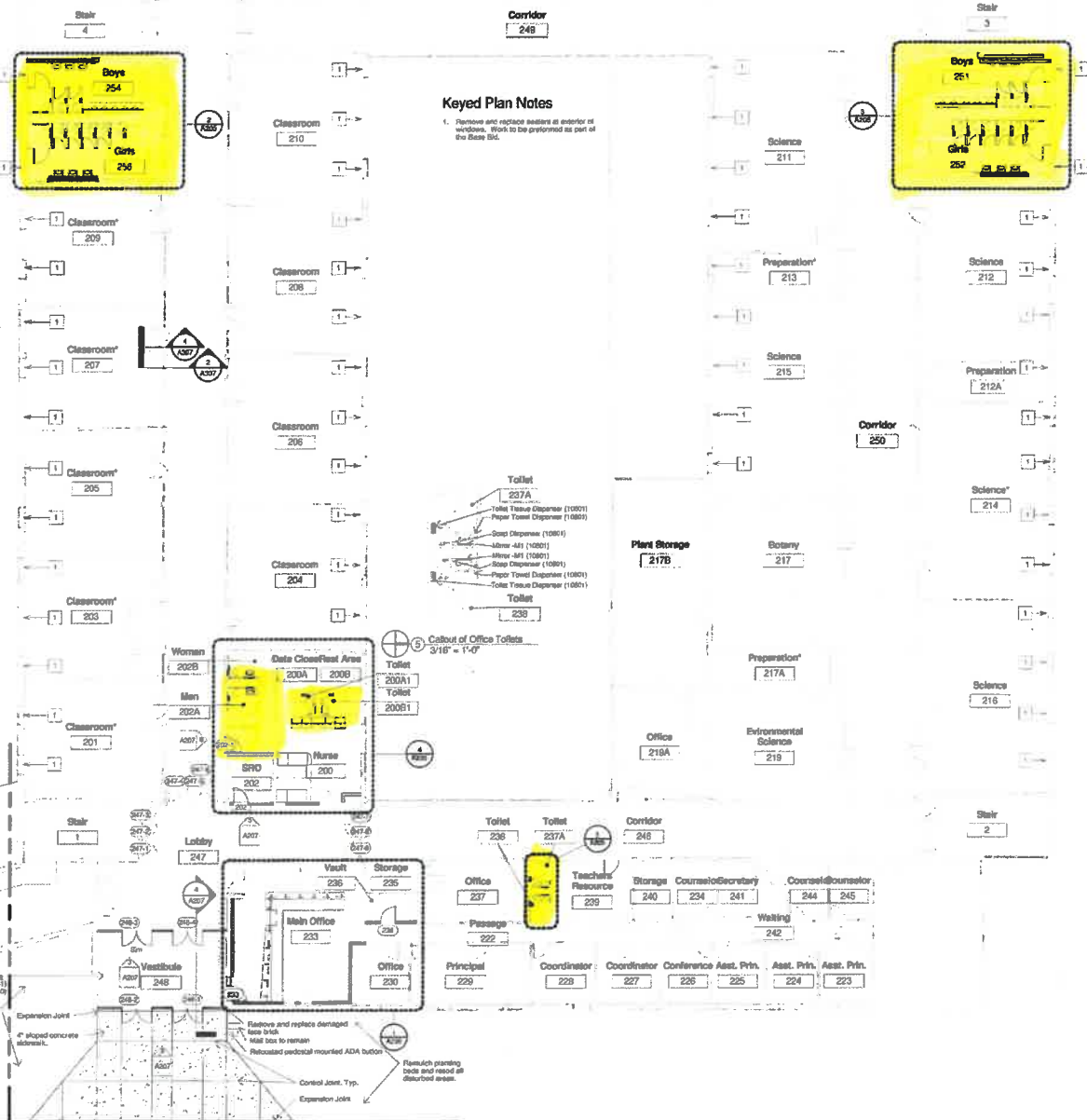
General Toilet Plan Notes

- All toilet accessories are shown generally and all sizes are typical at all locations.
- Existing piping may be galvanized and removal and replacement of walls, ceiling, exterior floors may be required to complete new work. Contractor to identify prior to bids.
- Each lavatory to have new faucet, supply and drain piping, inspection, stop valve, mirror and soap dispenser, typical. Fit MEP for additional work.
- All new plumbing fixtures are to be mounted using laser mounted arm carriers. Heavily seismic conditions as required.
- Each toilet to receive new led-toilet valves so that each toilet's water supply may shut off independently from the rest of the building. Fit MEP for additional information.



Keyed Plan Notes

- Remove and replace caulk at exterior of windows. Work to be performed as part of the Base Bid.



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8011 GROWLEY, WADE, MILSTEAD, INC.



Justin Graham Durham
200802512

CWM
Crowley, Wade, Milstead, Inc.
Engineers • Architects • Surveyors

1300 South M-291 Highway
Independence, Missouri 64057
Voice: 816.373.4800
Fax: 816.373.4803
www.cwm-inc.com
Missouri State Certificate of Authority
Architect: #000310

Consultants

Mechanical / Electrical Engineer
pkmr

Project: New Middle School Building
201 Walnut Street, Independence, MO 64050
pkmr.com

PROJECT

Newlin Middle School Building
Renovations
CLIENT:
Independence School District



ADDRESS:
2800 South Hardy Avenue
Independence, MO 64052

REVISION DATE

Revision	Description	Date

Project no: 0378.2210
Date: March 2011

Second Floor Plan

Epoxxy Full Broadcast.

General Toilet Plan Notes

1. All toilet accessories are shown graphically and all notes are typical at all locations.
2. Existing piping may be grandfathered and removal and replacement of toilet, ceiling, anchor bolts may be required to complete new work. Contractor to field verify prior to bid.
3. Each WCetry to have new fixture, supply and drain piping, insulation, stop valves, vents and cleanouts, typical. See MEP for additional notes.
4. All new plumbing fixtures are to be installed using floor mounted arm centers. Modify existing conditions as required.
5. Flush toilet to receive new isolation valve so that each toilet's water supply may shut off independently from the rest of the building. See MEP for additional information.

0011 CROWLEY, WADE, MILSTEAD, INC.



Justin Gaham Durham
2006005512

CWM
Crowley, Wade, Milstead, Inc.
Engineers • Architects • Surveyors

3200 South M-201 Highway
Independence, Missouri 64057
Voice: 816.373.4800
Fax: 816.373.4803
www.cwm-inc.com
Missouri State Certificate of Authority
Architecture: #000110

Consultants

Mechanical / Electrical Engineer
pkmr
Professional Engineer
Justin Gaham Durham, P.E.
3115 S. 20th St. Independence, MO 64052
www.pkme.com

PROJECT

Nowlin Middle School Building Renovations

CLIENT:
Independence School District



ADDRESS:
2900 South Hardy Avenue
Independence, MO 64052

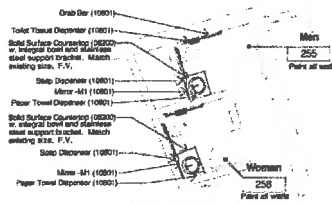
REVISION DATE

Revision	Description	Date

Project no: 0378.2210
Date: March 2011

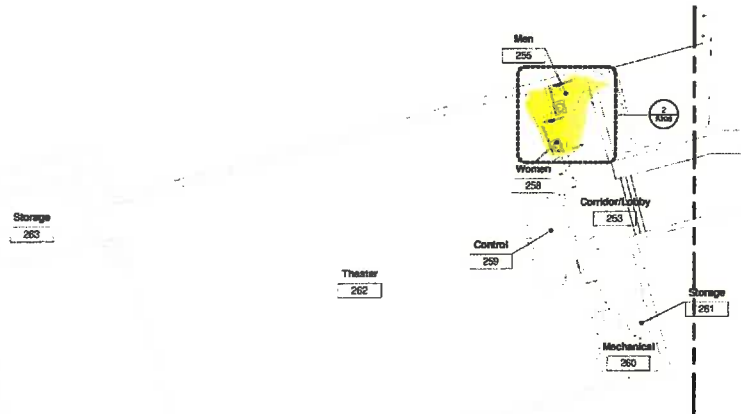
Second Floor South Plan

A206



Callout of Second Floor South Toilet Plan
3/18" = 1'-0"

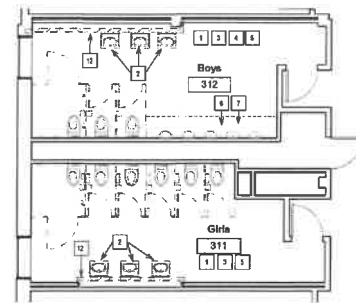
Second Floor South Plan
3/32" = 1'-0"



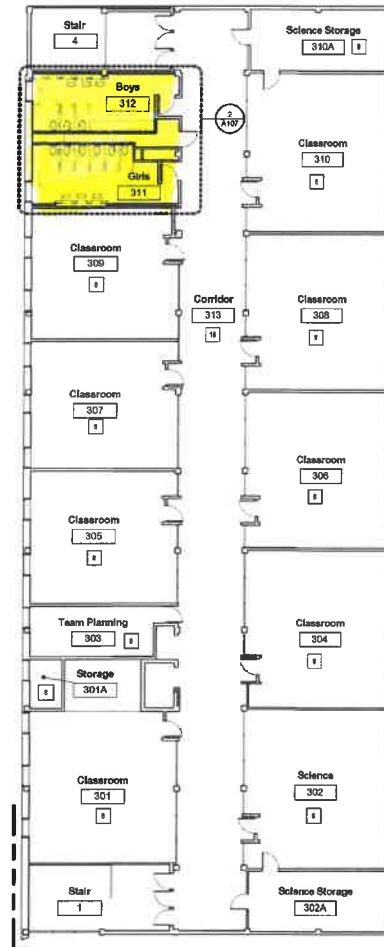
Epoxy Full Broadcast

Demolition Key Notes

1. Remove all water closets, clean and store for reuse.
2. Remove lavatory. Coordinate with MEP.
3. Remove toilet partitions.
4. Remove all floor mounted urinals. RE, MEP.
5. Remove all built accessories. Sinks, paper towel dispensers, toilet paper holders, soap dispensers, sanitary trash dispensers, wood blocking etc. patch all holes with non-shrink grout.
6. Remove existing concrete floor as required.
7. Remove existing ceiling above urinals.
8. Existing 12"x12" acoustic tile and gyp. bd. to be removed as required for new work.
9. Existing 2"x4" ceiling system to be removed.
10. Existing hardware to be removed.
11. Existing overhead concrete to be sawcut, removed and replaced.
12. Existing steel to be removed.
13. Existing masonry wall to be sawcut and removed for new floor. Coordinate with new work.
14. Existing flooring to be removed.
15. Existing 12"x12" acoustic tile, gyp. bd. ceiling and support structure to be removed. Refer to details of new work.
16. Existing 12"x12" tile and glue to be removed. Existing gyp. bd. ceiling to remain. Prep for new work.
17. Existing masonry to be removed.
18. Remove existing tackboard. Coordinate new location with owner. Patch and paint.
19. Existing wall to be removed for new door.
20. Existing masonry to be removed. Patch and paint wall.
21. Existing walls to be removed. CMU walls, concrete etc. are steel vent door.
22. Existing ceiling to be removed if from exterior wall to expose structure above.



2 Callout of Third Floor Demolition Plan SW Toilets 3/16" = 1'-0"



3 Third Floor Demolition Plan 3/32" = 1'-0"

2021 TRIANGLE WIDE WORLD, INC.

Justin Graham Durham
20200005512

CWM
Crowley,
Wade,
Milstead, Inc.
Engineers • Architects • Surveyors

3200 South M-291 Highway
Independence, Missouri 64057
Voice: 816.373.4800
Fax: 816.373.4803
www.cwm-inc.com
Missouri State Certificate of Authority
Architecture #000310

Consultants

Registered Electrical Engineer

pkmr
INCORPORATED

Frances Ann Jarbole, Chief Engineer EIT
821 Walnut Street, Kansas City, Missouri 64108
913.863.2822, Fax 913.960.9000
www.pkmr.com

PROJECT

Nowlin Middle
School Building
Renovations

CLIENT:
Independence
School District

Independence
SCHOOL DISTRICT
Inspiring Greatness

ADDRESS:

2800 South Hardy Avenue
Independence, MO 64052

REVISION **DATE**

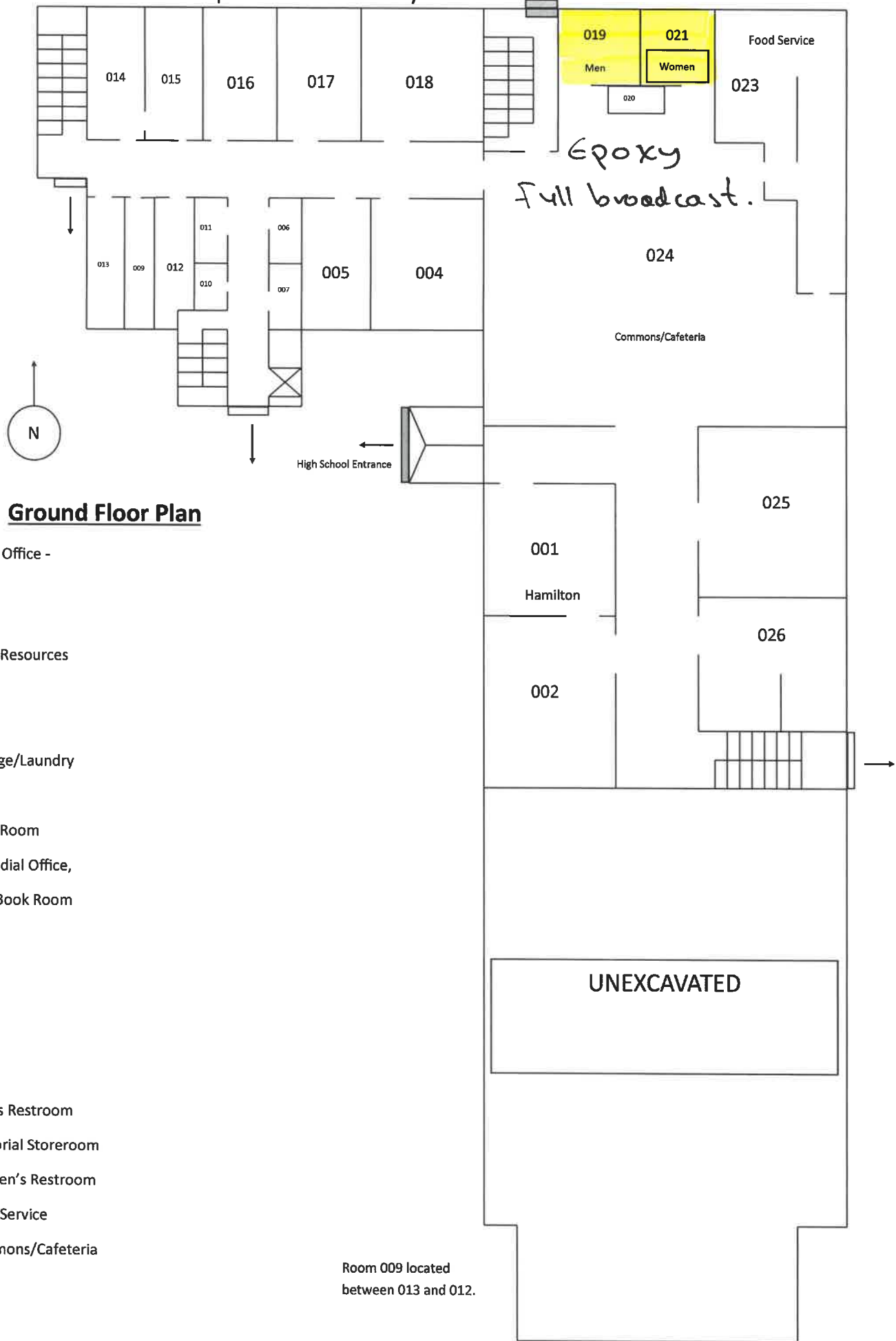
Revision	Description	Date

Project no: 0378.2210
Date: March 2011

Third Floor Demolition Plan

A107

Independence Academy

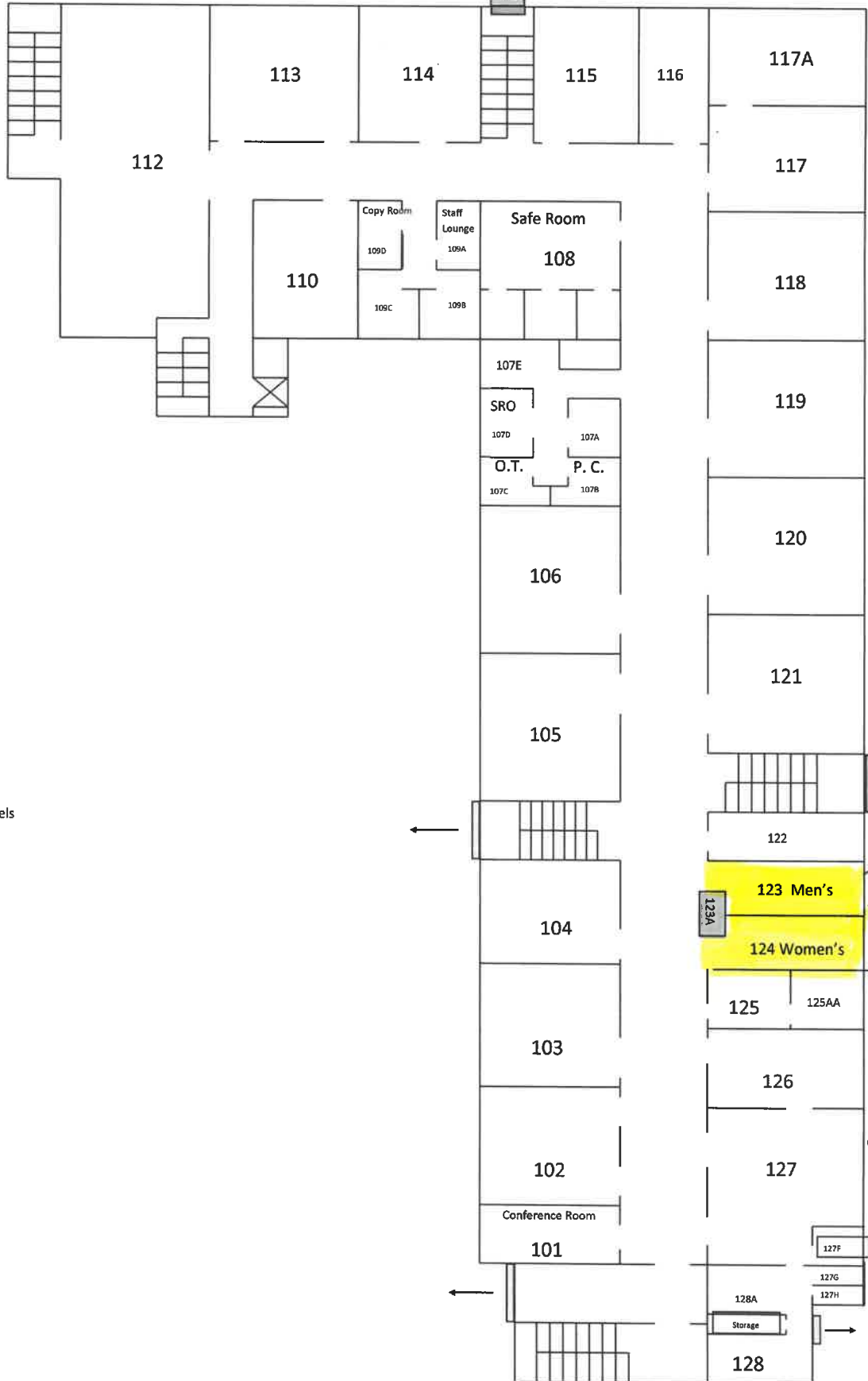


Ground Floor Plan

- 001 - Front Office -
- 002 -
- 004 - -
- 005 - SPED Resources
- 006 -
- 007 -
- 009 - Storage/Laundry
- 010 -
- 011 - Copy Room
- 012 - Custodial Office,
- 013 - Text Book Room
- 014 -
- 015 -
- 016 -
- 017 -
- 018 -
- 019 - Men's Restroom
- 020 - Janitorial Storeroom
- 021 - Women's Restroom
- 023 - Food Service
- 024 - Commons/Cafeteria
- 025 -
- 026 -

Room 009 located between 013 and 012.

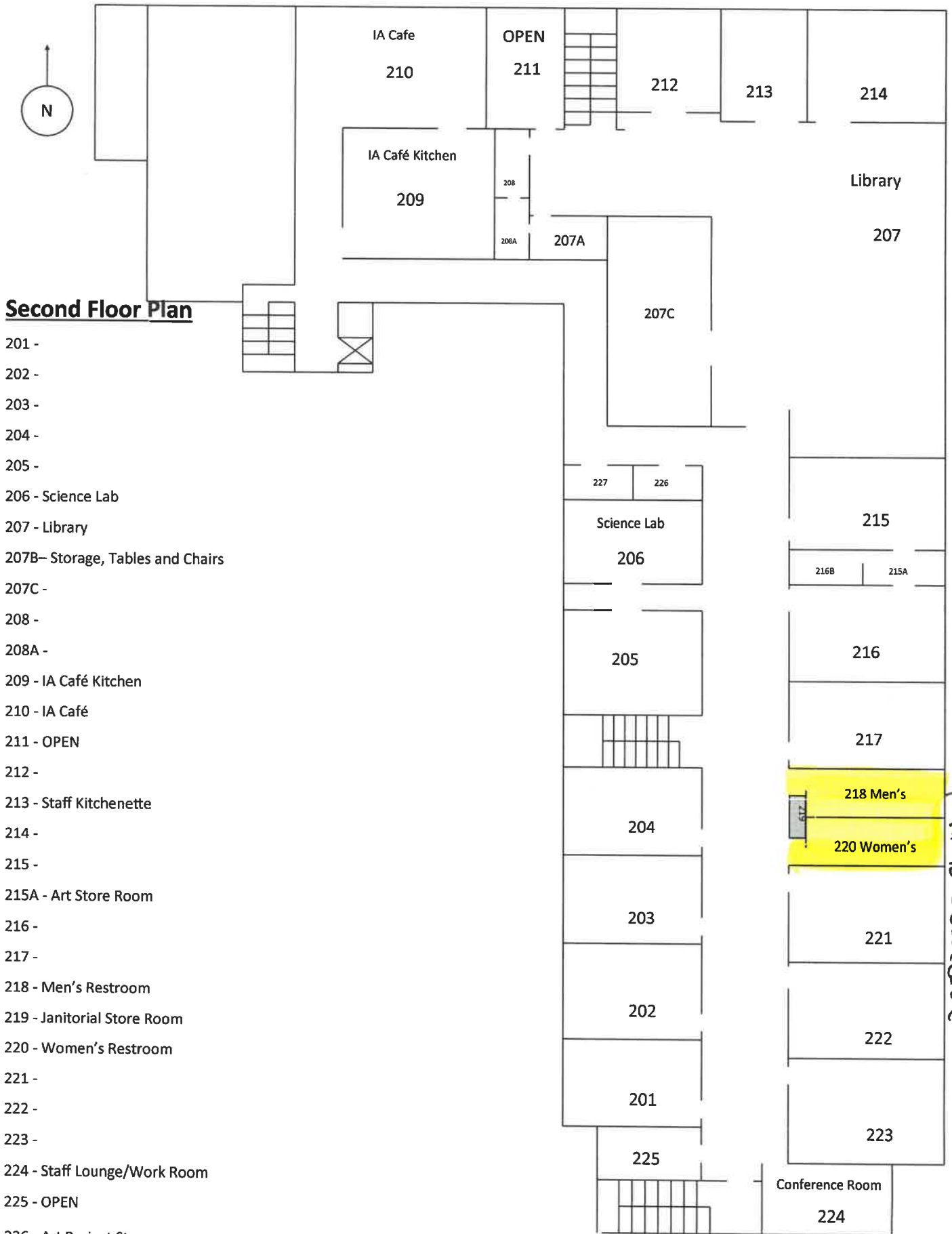
Independence Academy



First Floor Plan

- 101 - Conference Room
- 102 -
- 103 - ISS
- 104 -
- 105 -
- 106 - 107—Offices
- 108 - Safe Rooms
- 109A - Staff Lounge
- 109B -
- 109C -
- 109D - Copy Room
- 110 -
- 112 - Gym,
- 113 -
- 114 -
- 115 -
- 116 - Technology, Computer Panels
- 117 -
- 117A - Sensory Room
- 118 -
- 119 -
- 120 -
- 121 -
- 122 - Boiler Room
- 123 - Men's Restroom
- 123A - Janitorial Storeroom
- 124 - Women's Restroom
- 125 - Clinic
- 126 -
- 127 - Principal's Secretary
- 127F - Admin
- 127G - Assistant Principal
- 127H - Storage Room
- 128 - Principal
- 128A - Conference Room

Independence Academy



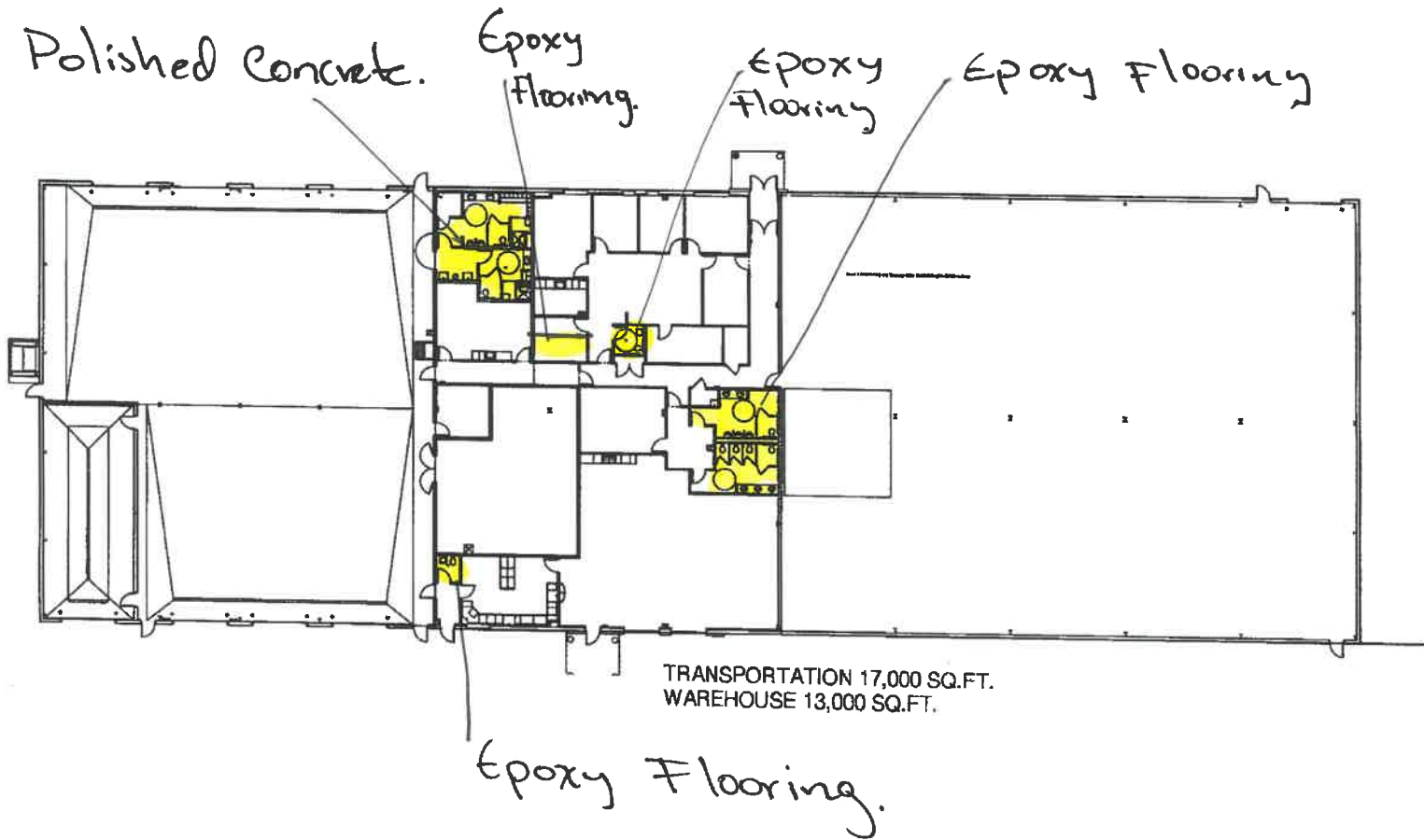
Second Floor Plan

- 201 -
- 202 -
- 203 -
- 204 -
- 205 -
- 206 - Science Lab
- 207 - Library
- 207B- Storage, Tables and Chairs
- 207C -
- 208 -
- 208A -
- 209 - IA Café Kitchen
- 210 - IA Café
- 211 - OPEN
- 212 -
- 213 - Staff Kitchenette
- 214 -
- 215 -
- 215A - Art Store Room
- 216 -
- 217 -
- 218 - Men's Restroom
- 219 - Janitorial Store Room
- 220 - Women's Restroom
- 221 -
- 222 -
- 223 -
- 224 - Staff Lounge/Work Room
- 225 - OPEN
- 226 - Art Project Storage
- 227 - Custodial Storage

*Epoxy
Full Broadcast.*

TRANSPORTATION

900 S. POWELL RD.



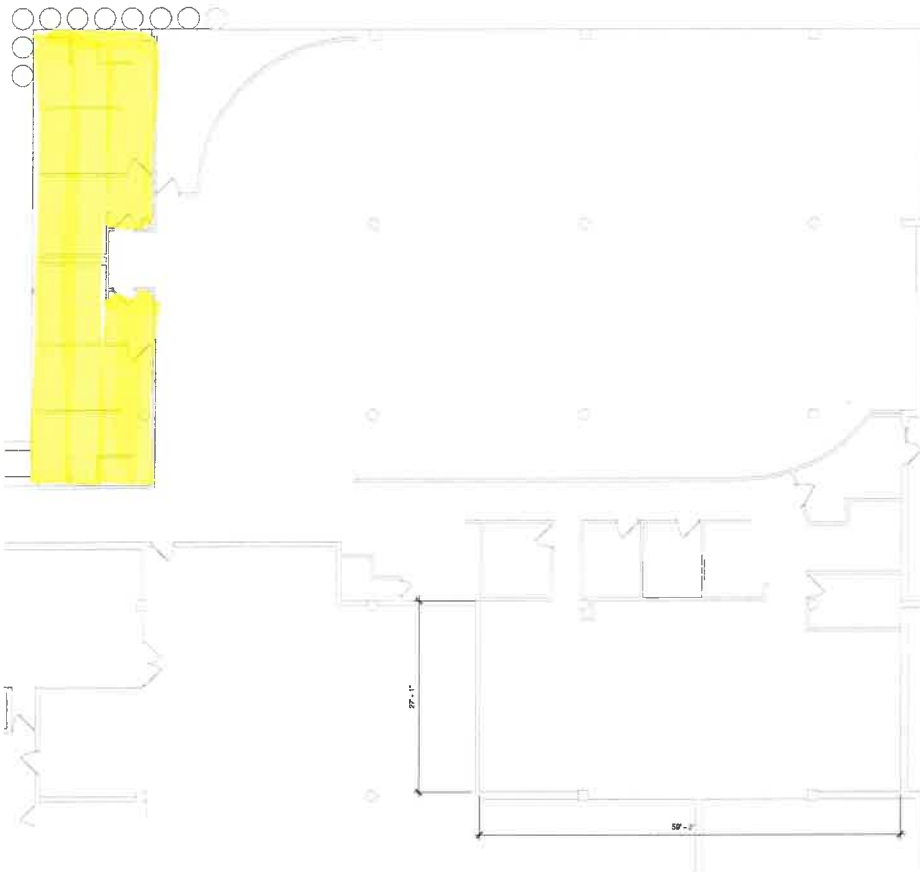
TRANSPORTATION 17,000 SQ.FT.
WAREHOUSE 13,000 SQ.FT.

VANUM CONSTRUCTION
DECEMBER 2006

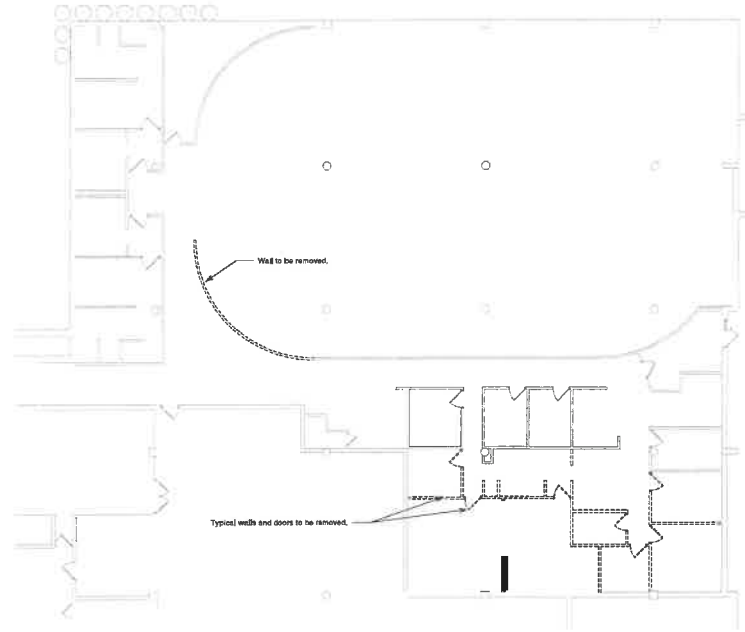
Full Broadcast.

ISD Wellness Center

Men's & Women's Restrooms, Showers & wall coating Full Broad cost.



② Partial Ground Floor Tenant Finish Plan
1/8" = 1'-0"



① Partial Ground Floor Demolition Plan
3/32" = 1'-0"

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PROJECT

Ennovation Center
Phase 4
Independence School
District Central
Services

CLIENT:
 Independence
SCHOOL DISTRICT
Empowering Gaitness
ADDRESS:
201 North Forest Avenue
Independence, MO 64050

Revision	Description	Date

Project no: 0378.2190
Date: September 2010
Tenant Finish Ground Floor

A901

New

SANB
-CHARPS
win 5
made their
charps
this
summer

