



Lansing School District Newcomer Center Remodeling

Addendum 01

April 15, 2024

This document is to serve as Addendum No. 01 with the purpose of providing clarifications or modifications to the original bid documents dated March 22, 2024, and shall take precedence over them. All incidental items required for the following changes are to be included even if not specifically described.

Receipt of this addendum is to be noted on the bid form.

ATTACHMENTS: Post Bid Interview Schedule
Pre-Bid Meeting Agenda
Pre-Bid Sign-in sheet, dated April 10, 2024
Hazardous Materials Report
WC31A: Asphalt
Asphalt Overview
Kingscott Addendum no. 01 write-up, dated April 15, 2024
Kingscott Drawing sheets D1.1, A1.1, A8.1, & PD1.1, dated April 15, 2024

BID DATE: Bid date remains UNCHANGED.

BID FORM: Remain UNCHANGED.

DRAWINGS: Remain UNCHANGED.

TECH SPECS: Remain UNCHANGED.

RFI RESPONSES:

Q: Exterior aluminum doors & frame; specification 084113: - Basis of design is Special-Lite SL-16 which is a flush type of door. The doors are drawn a wide stile (Like an SL-15). Doors are to be Wide Stile as drawn, correct?

A: Doors to be Wide Stile SL-15.

Q: Exterior aluminum doors & frame; specification 084113: - Specification calls for a "thermal" frame but does not call for doors to be "thermal". Please clarify if the exterior doors & frames are to be "Thermal" series or if a standard series is acceptable. (Difference of about \$1,000.00 per door leaf).

A: Standard series for doors is acceptable and should include the standard poured in place foam core and 1" insulating-glazing.

Q: Is there an attic above the multipurpose area for routing conduits etc. for lighting or will the ceiling be exposed?



A: There is a scissor truss attic that is difficult to access and more difficult to maneuver within. Surface mount all conduit to the ceiling surface.

Q: I want to make sure there are no plans to move Panel “A”? There are some water pipes that are in the workspace clearances, so we are double checking.

A: Panel A is existing to remain and not intended to be moved since it is incoming service panel.

PROJECT MANUAL:

WC02A: Remove existing wall coverings (wallpaper, paneling, wall paper border) from men’s and women’s restrooms.

WC09A: responsible for re-framing existing GRD openings to accommodate new, larger GRD’s.

WC09A: Full skim coat of men’s & women’s Restroom walls where wallpaper, paneling & wallpaper border have been removed.

WC09A: Patch and repair where drinking fountain is being removed.

WC09C: Paint where drinking fountain was removed by WC22A.

WC09C: Prep & Paint existing wood chair rail located in corridors.

WC09C: Prep & paint existing door lites to match frames.

WC09C: Prep & paint men’s & women’s Restroom walls where walls have been repaired from removal of wallpaper, paneling & wallpaper border.

WC09C: Paint baseboard heaters as indicated on addendum drawings.

WC22A: Added removal of existing drinking fountain with associated keynote Y7 on PD1.1.

WC31A: Asphalt – Issued in its entirety.

END OF ADDENDUM 01

Post Bid Interview Schedule

Interviewer:	Chais VanDeventer	Interviewer:	Brian Stiebe
WC 02A Demolition	4/22 8:00-8:30	WC 07A Siding	4/22 8:00-8:30
WC 02A Demolition	4/22 8:40-9:10	WC 07A Siding	4/22 8:40-9:10
WC 03A Concrete	4/22 9:20-9:50	WC 07B Roofing	4/22 9:20-9:50
WC 03A Concrete	4/22 10:00-10:30	WC 07B Roofing	4/22 10:00-10:30
WC 08A Doors	4/22 10:40-11:10	WC 09A Interiors	4/22 10:40-11:10
WC 08A Doors	4/22 11:20-11:50	WC 09A Interiors	4/22 11:20-11:50
WC 08B Al. Doors	4/22 12:50-1:20	WC 10A Specialties	4/22 12:50-1:20
WC 08B Al. Doors	4/22 1:30-2:00	WC 10A Specialties	4/22 1:30-2:00
WC 09B Flooring	4/22 2:10-2:40	WC 22A Plumbing	4/22 2:10-2:40
WC 09B Flooring	4/22 2:50-3:20	WC 22A Plumbing	4/22 2:50-3:20
WC 09C Painting	4/22 3:30-4:00	WC 23A HVAC	4/22 3:30-4:00
WC 09C Painting	4/23 8:00-8:30	WC 23A HVAC	4/23 8:00-8:30
WC 26A Electrical	4/23 8:40-9:10	WC 28A Technology	4/23 8:40-9:10
WC 26A Electrical	4/23 9:20-9:50	WC 28A Technology	4/23 9:20-9:50
WC 31A Asphalt	4/23 10:00-10:40	WC 31A Asphalt	4/23 10:00-10:40



Pre-Bid Meeting Agenda

Lansing School District Newcomer Center Remodeling

(301 West Jolly Rd. Lansing, MI 48910)

04/10/2024 @ 3:00PM EST

-
- 1.) Introductions
 - 2.) Project Background / Scope of Work
 - 3.) Project Documents
 - a. CM Project Manual
 - b. Kingscott Front End Specs
 - c. Drawings
 - 4.) Important Dates
 - a. Bid submission deadline: Thursday, April 18, 2024 @ 2:00 pm
 - b. Questions due: Friday, April 12, @ 9:00 am
 - c. Project Start: Mid-June 2024
 - d. Substantial Completion: Mid-August 2024
 - 5.) Bidding Requirements:
 - a. Accepting bids for multiple work categories only at this time. (See Project Manual)
 - b. THREE (3) Hard copies need to be submitted in a sealed envelope to the Lansing School District by 2:00 pm on 4/18. Late submissions will not be accepted. Emailed submissions will not be accepted. Submit to 519 W. Kalamazoo Lansing, MI.
 - c. 5% bid security is required.
 - d. Use the bid form and LSD documents provided in the project manual for submission. Do NOT submit your own quote form.
 - e. Prevailing wages/certified payroll is NOT required.
 - f. There will be a public bid opening immediately following the deadline at LSD. Results will NOT



- be distributed to anyone after the bid opening has concluded.
- g. Post bid interviews will be held via Zoom on April 22 and 23. Times TBD.
 - h. Questions are to be emailed to estimating@lauxconstruction.com and chais@lauxconstruction.com

6.) Project Administration

- a. Laux is the construction manager. All trade contractors will receive a work order from Laux.
- b. Trade contractors will receive access to Procore project management software and will be expected to utilize it for submittals, RFI's, closeouts, and project document access.
- c. SOV's will be required from each trade contractor and will need to be broken down..
- d. Pay applications are due to Laux on the 15th of each month in AIA format. Only work that is either completed or stored may be billed for. No projections.
- e. IOM's, warranties, and as-builts will be required before release of final payment.
- f. A mandatory kickoff meeting will be held with trade contractors at the site. Weekly progress meetings will be held on site (mandatory for all trade contractors).

7.) Site

- a. Hard hats, work boots, long pants, sleeved shirts, and high vis will be required.
- b. No tobacco products, vaping, or e-cigarettes will be allowed on campus. No exceptions.
- c. No interaction with students or staff will be allowed.
- d. Laux will place a dumpster and outhouse on site for the duration of the project.
- e. Water and electricity from the facility may be used by trades.
- f. Cleanup, as required to maintain a safe and orderly site, will be required by all trades. Laux will provide clean up of "undefinable" items (not directly related to a trade).

8.) Questions

9.) Site Walkthrough

Bid# 50-1803 For Newcomer Center Renovations

Date/Time 4/10/24 3pm Pre-Bid

Name	Company	Address	City/State/Zip	Phone #	Email Address
CALEB	LSD				
Aaron Sklopsky	Aaron's			819-72288	Aaron S. Plumbing @outlook.com
Ken Granger	DSI			318 3998	Kengrangeredsia@castle.com
Todd Coe					
Chris Vandewater	Loux			517-944-8874	Chris@louxconstruction.com
Jim Musson	B&B Printing			517-749-4483	mussonbb@print.com info@bjprint.com
David Wohlschlag	AARON GLASS			517-487-3739	DAVID.AARON@GLASS @EMAIL.COM
Brian Stebe	Loux			517-525-1456	brian@louxconstruction.com
Pam Hartzell	Kingscott			248 515 0442	phartzell@kingscott.com
Nathan Thelen	T Mech			517 599 3223	NT@T-Mechanical.com @EMAIL.COM
John Speer	J Speer ELECT.			517-507-1641	Jlspeer1773@
Chris Keck	UA 333			517-386-4152	Chris@local333.com
Mike Buskern	AAI			517-323-0050	ebuznicki@astestates.com abate.mutual.com
Todd Dunham	Integrity			(517) 775-8519	TDunham@ integrity-integrity.com

CDM

KEEP ONSITE

Pre-Renovation Hazardous Materials Assessment

301 W. Jolly Road
Lansing, Michigan 48910

Project No. 23-3415

April 4, 2024

PREPARED FOR:

Lansing School District
Mr. Todd Coe
519 W. Kalamazoo Street
Lansing, Michigan 48933

PREPARED BY:

TRI **TERRA**





1375 S. Washington Avenue, Suite 100
Lansing, Michigan 48910
517-702-0470
Fax 517-702-0477
www.triterra.us

January 4, 2024
Triterra Project #: 23-3415

Lansing School District
Mr. Todd Coe
519 W. Kalamazoo Street
Lansing, Michigan 48933

**SUBJECT: *Pre-Renovation Hazardous Materials Assessment
301 W. Jolly Road Lansing, Michigan 48910***

Dear Mr. Coe:

Triterra has completed an pre-renovation hazardous materials (ACM) assessment for the building located at *301 W. Jolly Road in Lansing, Michigan* (the Property) to determine if any ACM or other hazardous non-ACM exists within the structure. This inspection was completed for Lansing School District (the Client) to ensure compliance with the OSHA Construction Standard for Asbestos (29 CFR 1926.1101) and the United States Environmental Protection Agency (USEPA) requirements for inspection of buildings prior to renovation or demolition under the National Emissions Standards for Hazardous Air Pollutants (NESHAP 40 CFR Part 61). This report outlines and interprets the results of these analyses. A description of the structure, inspection methods, results, and recommendations are provided herein.

Building Description

The Property includes a single-story former church building which was built in 1987. The wood-frame building has a concrete foundation, metal and wood siding, and an asphalt-shingle roof. Building materials therein, include; drywall walls and ceilings, various types of flooring (concrete, linoleum, ceramic, carpet and vinyl-composition tile), and various insulating materials (blown-in cellulose, wool, fiberglass). Other building materials/components include acoustical ceiling tile, window caulk, and four gas furnace which is located in the main hall and family room near the sanctuary.

As part of the pre-renovation hazardous materials inspection, Triterra collected 1 paint chips of common paint schemes throughout the building that are likely to be impacted by the scheduled renovation. The purpose of the paint chip sampling was to identify the presence of lead, cadmium, and chromium content within paints on various building components. Triterra did not attempt to sample or inventory all painted surfaces and components that are likely to be impacted by renovation activities.

Samples were submitted to Merit Laboratories, Inc., an American Industrial Hygiene Association (AIHA) and National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory for heavy metal paint chip analysis. Merit utilized EPA-approved analytical methods for the identification of lead, cadmium, and chromium within the paint samples submitted for analysis. A copy of the chain of custody can be found in **Appendix B**. A description of the paint is summarized in the table below:

Paint Chip Sample Results for Lead (Pb), Cadmium (Cd), and Chromium (Cr)					
Sample ID	Paint Description	Sample Location	Pb Concentration (weight %)	Cd Concentration (weight %)	Cr Concentration (weight %)
PC-1	White	Main Floor / Walls	<RL	<RL	<RL

<RL = Lead concentration is below laboratory reporting limit
 Highlighted results indicate potential hazard – Requires awareness training and special work practices to handle.

ACM Inspection Methods

Greg Ross of Triterra completed an ACM inspection of the structure on December 21, 2023. Mr. Ross is an accredited State of Michigan/EPA Asbestos Building Inspector, accreditation number A52547, respectively. Credentials/certifications are provided in **Appendix A**.

Building construction plans, diagrams, and/or Client provided information was utilized to assign room/area designations so that all areas of the structure are identifiable for sample location purposes. Each room/area of the structure was then evaluated for suspect ACM. Areas that contain similar suspect ACM were grouped into a single Homogenous Area (a grouping of rooms/spaces containing the same material according to color, texture, and date of application).

Suspect materials were placed into three major categories: surfacing materials, thermal system insulation materials, and miscellaneous materials. Surfacing materials are sprayed-on or troweled-on (e.g. plaster, fireproofing, or acoustical materials). Thermal system insulation materials are used for heat insulation or condensation prevention (e.g. boiler coverings, pipe insulation, or roof drain insulation). Miscellaneous materials are any application that does not fall into the surfacing or thermal system insulation categories (e.g. floor tile, roofing, drywall, etc.).

Representative samples of each encountered suspect ACM were either collected for laboratory analysis or presumed to contain asbestos. Presumed asbestos-containing materials (PACM) are generally thermal system insulation and surfacing materials that have a high likelihood of containing greater than 1% asbestos, and therefore are not sampled. Each sample collected was containerized in double-layer, laboratory-provided, sampling bags. The collected samples were sent to Eurofins J3 Resources Inc. (J3) [Accreditation Number 200525-0] for analysis using polarized light microscopy (PLM). PLM is the most commonly used method for the analysis of bulk samples, using 10 to 400 times power magnification. PLM bulk sample analyses follow the EPA method of the Determination of Asbestos in Bulk Insulation Samples (EPA 600/R-93-116). The laboratory results indicate the percentage and type of asbestos in the sample and the other fibrous or non-fibrous non-asbestos materials in the sample. Chain-of-custody documentation was followed throughout the sample collection, handling, and shipping to assure quality control requirements were met.

Inspection Results

Friable ACM are defined as materials which contain greater than 1% asbestos and can be crushed, pulverized, or reduced to powder using hand pressure. No Friable ACM was identified during the inspection.

Non-friable ACM are materials that cannot be crumbled, pulverized, or reduced to a powder by hand pressure. Non-friable ACM is separated into category I and category II non-friable ACM.

- Category I non-friable ACM is defined as packings, gaskets, resilient floor coverings, and asphalt roofing products containing greater than 1% asbestos. No Category I non-friable ACM was identified during the inspection.

- Category II non-friable ACM is defined as any other non-friable material containing greater than 1% asbestos, excluding category I non-friable ACM. Category II non-friable ACM identified during the inspection, include:
 - **HA 9:** *Terracotta* - In the entries throughout (Presumed)(Photo # 9);
 - **HA 11:** *Ceramic Tile – 2x2’ – Grey* – In the conference room (Presumed)(Photo # 11), and;
 - **HA 14:** *Fire doors* – Furnace doors in main hall and in the family room (Presumed)(Photo # 14).

Conclusions/Recommendations

Based on Triterra’s understanding of the renovation activities planned at the Property, no special precautions related to ACM need to be taken in this case.

Depending on the type and quantities of ACM that will be removed from the structure, a notification may need to be provided to the following regulatory agencies 10 working (or calendar) days prior to the commencement of work with the submittal of a Notification of Intent to Renovate/Demolish form (EQP 5661). The retained asbestos abatement contractor should complete this form as part of their services. This notification should be provided to the Michigan Department of Environment, Great Lakes, and Energy – Air Quality Division (EGLE-AQD) and the Michigan Department of Labor and Economic Opportunity (LEO) any time renovation/demolition/asbestos abatement is to be completed on a building.

NESHAP Asbestos Program
EGLE – AQD
P.O. Box 30260
Lansing, Michigan 48909
(517) 284-6777

LEO
MIOSHA Asbestos Program
P.O. Box 30671
Lansing, Michigan 48909
(517) 636-4551

Regulations governing employee exposure to asbestos hazards in the workplace are located in the federal regulations at Title CFR, part 1910.1001, which is the U. S. Occupational Safety and Health Administration (OSHA) asbestos standard. The presence of any ACM in a facility where there is a possibility of employee exposure triggers the applicability of the standard to the workplace and employees. The standard generally applies to labeling, signage, employee training, and personal protective equipment in order to minimize the risk of asbestos exposure. An employer is required to institute a training program for all employees exposed to airborne concentrations of asbestos at or above the employee permissible exposure limit and/or excursion limit and ensure employee participation in the program. Air sampling and laboratory analysis are required to determine the concentration of asbestos in the air of the employee work areas.

Disclaimer

Destructive testing was completed in accessible areas of the structure and/or areas scheduled to be impacted by the proposed renovation designated by the Client throughout this inspection. Triterra did not perform destructive testing on all suspect materials identified during the inspection to avoid unnecessary damages to the Property. These materials are presumed to be asbestos-containing until bulk sampling can be performed to determine their asbestos content. If suspect ACMs are encountered during renovation activities for which no analytical data exists, Triterra recommends the material(s) remain undisturbed until the asbestos content of the material(s) is determined in accordance with USEPA and OSHA regulations. **The quantities presented are meant as a guide and should not be used for bidding purposes without verification.**

Triterra completed the work in general conformance with federal, state, and local requirements and made all appropriate inquiries consistent with good commercial or customary practice. Triterra assumes the information provided in this report and by the Client and/or property owner is factual, complete, and correct. Triterra does not warrant that this report represents an exhaustive study of all possible environmental concerns associated with asbestos at the property. However, the items included in this report are believed to adequately address the client's needs at this time.

This report was prepared exclusively for the Client for the purposes expressly stated. This report may be unsuitable for other uses, and reliance on its contents by anyone other than the Client is done at the sole risk of that party. This report may not be reproduced, sold, or otherwise conveyed to another entity without prior written permission from Triterra.

Should you have any questions or comments regarding this report, please feel free to contact the undersigned at (517) 702-0470.

Pre-Renovation Hazardous Materials Assessment
301 W. Jolly Road
Lansing School District
January 4, 2024



Sincerely,



A handwritten signature in blue ink, appearing to read "Greg Ross".

Greg Ross
Senior Environmental Technician
Michigan/EPA Certified Asbestos Inspector #A52547

A handwritten signature in blue ink, appearing to read "Kyle A. Clark".

Kyle A. Clark
Director | Industrial Hygiene
Michigan/EPA Asbestos Project Designer #A44305

Tables

- Table 1: Description of Functional Spaces
- Table 2: Summary of Homogeneous Areas
- Table 3: Summary of ACM and Description
- Table 4: Summary of Materials by Functional Space
- Table 5: Summary of Paint Sampling and Description

Appendices

- Appendix A: Staff Credentials/Certifications
- Appendix B: Laboratory Analytical Results and Chain of Custody Documentation
- Appendix C: Site Photo Log



TABLES

Table 1
Description of Functional Spaces
301 W. Jolly
Triterra Project No. 23-3415

Functional Space No.	Functional Space Description	Floor/Building
1	East Room / Nursery	1st
2	Central Restrooms, Custodial Closet & Kitchen	1st
3	Sanctuary & Family Room	1st
4	Conference Room & Office's	1st
5	Halls & Entries	1st
6	Attics	Attic
7	Exterior	Exterior

Table 1 Notes and Acronyms:

1. The term Functional Space (FS) is defined as one or more spatially distinct units or areas within a building. During the survey, the demarcation of these spaces is based on the judgement of the inspector(s), site plans, or other use features deemed appropriate at the time of the survey.

Table 2
Description of Homogeneous Areas
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

HA No.	Homogeneous Area Description	Asbestos Content
1	Textured Ceiling	Non-Detected (All Layers)
2	Carpet Adhesive - Tan	Non-Detected (All Layers)
3	Cove Base w/ Adhesive - 4" - Tan	Non-Detected (All Layers)
4	Drywall w/ Joint Compound	Non-Detected (All Layers)
5	Sheet Flooring - Green w/ Red Pebble Design	Non-Detected (All Layers)
6	Cove Base w/ Adhesive - 4" - Brown	Non-Detected (All Layers)
7	Sheet Flooring - Brick Design - Tan	Non-Detected (All Layers)
8	Sink Undercoating - White	Non-Detected (All Layers)

Table 2
Description of Homogeneous Areas
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

HA No.	Homogeneous Area Description	Asbestos Content
9	Terracotta Floor Tile - Brown	Presumed
10	Suspended Ceiling Tile - 2x2' - Heavy textured	Non-Detected (All Layers)
11	Ceramic Tile - 2x2' - Grey	Presumed
12	Cove Base w/ Adhesive - 4" - Grey	Non-Detected (All Layers)
13	Blown-in Insulation - Grey	Non-Detected (All Layers)
14	Fire Door	Presumed
15	Exterior Window Caulk - White	Non-Detected (All Layers)

Table 2 Notes and Acronyms:

1. Asbestos is a group of fibrous minerals that include: actinolite, amosite, anthophyllite, chrysotile, crocidolite, and tremolite.
2. Homogeneous Area (HA) is defined as an area of surfacing materials, thermal system insulation, or miscellaneous material that is uniform in color and texture.
3. HA listed in bold text were identified to contain asbestos by laboratory analysis or were presumed to contain asbestos based on the scope of work and/or inspectors discretion.

Table 3
Summary of Asbestos-Containing Materials
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Recommendation
9	Terracotta Floor Tile - Brown	Good	Category II NF	156	S.F.	Asbestos O&M Plan
11	Ceramic Tile - 2x2' - Grey	Good	Category II NF	494	S.F.	Asbestos O&M Plan
14	Fire Door	Good	Category II NF	8	Doors	Asbestos O&M Plan

Table 3 Notes and Acronyms:

1. Homogeneous Area (HA) is defined as an area of surfacing materials, thermal system insulation, or miscellaneous material that is uniform in color and texture.
2. Friable asbestos-containing material (ACM): Material containing more than 1% asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
3. Nonfriable ACM: Category I or Category II ACM in good condition at time of assessment.
4. SF = Square Feet; LF = Linear Feet; CF = Cubic Feet

Table 4
Materials By Functional Space
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Asbestos Content	Comments
FS - 1	East Room / Nursery						
1	Textured Ceiling	Good	Friable	1064	S.F.	Non-Detected (All Layers)	
2	Carpet Adhesive - Tan	Good	Category II NF	624	S.F.	Non-Detected (All Layers)	
3	Cove Base w/ Adhesive - 4"- Tan	Good	Category II NF	15	S.F.	Non-Detected (All Layers)	
4	Drywall w/ Joint Compound	Good	Category II NF	2713	S.F.	Non-Detected (All Layers)	
5	Sheet Flooring - Green w/ Red Pebble Design	Good	Category I NF	437	S.F.	Non-Detected (All Layers)	
6	Cove Base w/ Adhesive - 4" - Brown	Good	Category II NF	8	S.F.	Non-Detected (All Layers)	
8	Sink Undercoating - White	Good	Category II NF	1	S.F.	Non-Detected (All Layers)	

Table 4
Materials By Functional Space
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Asbestos Content	Comments
FS - 2	Central Restrooms, Custodial Closet & Kitchen						
1	Textured Ceiling	Good	Friable	225	S.F.	Non-Detected (All Layers)	
3	Cove Base w/ Adhesive - 4" - Tan	Good	Category I NF	15	S.F.	Non-Detected (All Layers)	
4	Drywall w/ Joint Compound	Good	Category II NF	1856	S.F.	Non-Detected (All Layers)	
5	Sheet Flooring - Green w/ Red Pebble Design	Good	Category I NF	225	S.F.	Non-Detected (All Layers)	
6	Cove Base w/ Adhesive - 4" - Brown	Good	Category II NF	8	S.F.	Non-Detected (All Layers)	
7	Sheet Flooring - Brick Design - Tan	Good	Category I NF	109	S.F.	Non-Detected (All Layers)	
8	Sink Undercoating - White	Good	Category II NF	4	S.F.	Non-Detected (All Layers)	
FS - 3	Sanctuary & Family Room						
1	Textured Ceiling	Good	Friable	2496	S.F.	Non-Detected (All Layers)	
2	Carpet Adhesive - Tan	Good	Category II NF	2819	S.F.	Non-Detected (All Layers)	
4	Drywall w/ Joint Compound	Good	Category II NF	3576	S.F.	Non-Detected (All Layers)	
10	Suspended Ceiling Tile - 2x2' - Heavy textured	Good	Friable	323	S.F.	Non-Detected (All Layers)	
14	Fire Door	Good	Category II NF	2	Doors	Presumed	

Table 4
Materials By Functional Space
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Asbestos Content	Comments
FS - 4	Conference Room & Office's						
1	Textured Ceiling	Good	Friable	950	S.F.	Non-Detected (All Layers)	
2	Carpet Adhesive - Tan	Good	Category II NF	950	S.F.	Non-Detected (All Layers)	
3	Cove Base w/ Adhesive - 4" - Tan	Good	Category II NF	15	S.F.	Non-Detected (All Layers)	
4	Drywall w/ Joint Compound	Good	Category II NF	1408	S.F.	Non-Detected (All Layers)	
11	Ceramic Tile - 2x2' - Grey	Good	Category II NF	494	S.F.	Presumed	
12	Cove Base w/ Adhesive - 4" - Grey	Good	Category II NF	15	S.F.	Non-Detected (All Layers)	
FS - 5	Halls & Entries						
1	Textured Ceiling	Good	Friable	1001	S.F.	Non-Detected (All Layers)	
2	Carpet Adhesive - Tan	Good	Category II NF	1385	S.F.	Non-Detected (All Layers)	
4	Drywall w/ Joint Compound	Good	Category II NF	2448	S.F.	Non-Detected (All Layers)	
6	Cove Base w/ Adhesive - 4" - Brown	Good	Category II NF	25	S.F.	Non-Detected (All Layers)	
9	Terracotta Floor Tile - Brown	Good	Category II NF	156	S.F.	Presumed	
10	Suspended Ceiling Tile - 2x2' - Heavy textured	Good	Friable	384	S.F.	Non-Detected (All Layers)	
14	Fire Door	Good	Category II NF	8	Doors	Presumed	

Table 4
Materials By Functional Space
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Asbestos Content	Comments
FS - 6	Attics						
13	Blown-in Insulation - Grey	Good	Friable	3000	S.F.	Non-Detected (All Layers)	
FS - 7	Exterior						
15	Exterior Window Caulk - White	Good	Category II NF	31	Windows	Non-Detected (All Layers)	5x2.5'

Table 4 Notes and Acronyms:

1. Functional Space (FS) is defined as a one or more spatially distinct units within a building or structure.
2. Homogeneous Area (HA) is defined as an area of surfacing materials, thermal system insulation, or miscellaneous material that is uniform in color and texture.
3. HA listed in bold text were identified to contain asbestos by laboratory analysis or were assumed to contain asbestos based on the scope of work requirements.
4. SF = Square Feet; LF = Linear Feet; CF = Cubic Feet

Table 5
Summary of Paint Chip Sampling
301 West Jolly Road, Lansing, Michigan
Triterra Project No. 23-3415

Sample No.	Sample Location	Paint Color	Substrate	Component	Condition	Lead Concentration	Cadmium Concentration	Chromium Concentration	Recommendation
PC-01	Hall	White	Drywall	Wall	Good	<RL	<RL	<RL	None

Table 5 Notes and Acronyms:

1. Substrate is defined as the material underneath the paint.
2. Component is defined as a building material type such of doors, windows, walls, and so on that are repeated in more than one room equivalent in a unit and have a common substrate.
3. Abatement is defined as any measure or set of measures designed to permanently eliminate paint hazards.
4. The EPA defines an Operations and Maintenance (O&M) Plan as a formulated plan of training, cleaning, work practices and surveillance to maintain hazardous building materials in good condition.
5. Paint stabilization is defined as the repairing any physical defect in the substrate of a painted surface that is causing paint deterioration, removing loose paint and other material from the surface to be treated, and applying a new protective coating or paint.
6. The Construction Safety and Health Standard Part 603 Lead Exposure in Construction Standard applies to all construction work operations where an employee may be occupationally exposed to lead.

APPENDIX A

STAFF CREDENTIALS/CERTIFICATIONS

GREG ROSS

SENIOR ENVIRONMENTAL TECHNICIAN



Greg serves as a Senior Environmental Technician for the firm. His work focuses hazardous material inspections (asbestos, lead-paint, and mold) at commercial and residential properties throughout Michigan. He is focused on providing timely and practical solutions to clients in order to keep projects on track and under budget, always with the underlying objective of safeguarding public health. Greg has more than 5 years of experience in the building trades, primarily in residential construction.

AREAS OF EXPERTISE

- Hazardous Materials Assessments, Including Asbestos, Lead, and Mold
- Lead-Based Paint Inspections/Risk Assessments
- Borehole Logging, Screening, and Sampling
- Monitoring Well Installation Oversight, Development, and Sampling
- Soil Gas and Groundwater Data
- Subsurface Sampling and Data Analysis for Due Care Obligations
- NIOSH 582
- CMI
- Vapor Mitigation System Installation

NOTABLE PROJECT EXPERIENCE

- Asbestos and Hazardous Material Inspections – Commercial and Residential
- Lead-Based Paint Inspections – Commercial and Residential
- Lead Risk Assessment as per HUD Guidelines
- Mold Assessment and Indoor Air Quality Sampling – Commercial and Residential
- LUST Investigation – Borehole, Monitoring Well Installation, Soil & Groundwater Sampling, Free Product Monitoring & Recovery, and Data
- LUST Remediation – Contaminated Soil Excavation oversight

EDUCATION

- Diploma– 2004
Perry High School, Perry, Michigan

CERTIFICATIONS

- Hazardous Waste Operations & Emergency Response (HAZWOPER) Certification
- Asbestos Building Inspector – Michigan (#A52547)
- Certified Lead Inspector/Risk Assessor – Michigan (#P-07952)
- Certified Mold Inspector, Investigator (CMI #85251)
- NIOSH – 582 Certification
- Asbestos Contractor/Supervisor



Creating Healthier Communities through Practical and Creative Environmental Solutions

517.853.5710 | greg.ross@triterra.us | 1375 S. Washington Ave., Ste. 100

State of Michigan
 Department of Labor and Economic Opportunity
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

Gregery A. Ross
 355 Lamb Street
 Perry, MI 48872

Accreditation Number
 A52547

Expiration Date
 07/05/2024

DOB: 06/27/1986

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered 165795

Your accreditation card is valid for a period of one year, as indicated by the expiration date on the card. Your card must be present on any project site where you are conducting asbestos-related work. If a replacement card is needed, the replacement fee will be \$25.00.

All questions regarding your accreditation should be directed to 517-284-7698.

Cardholder's Signature Not valid unless signed.

Gregery A. Ross

Please visit our website at: www.michigan.gov/asbestos

52547-165795




Information contained in the bar code is limited to ID# and control#

MIOSHA-CSH-269 (03/18)
 Authority: Michigan Public Act 440 of 1988, as amended

If found please return to:
 MIOSHA - Asbestos Program
 530 West Allegan Street
 P.O. Box 30671
 Lansing, MI 48933

103616

MDHHS



GREGERY ROSS
 LEAD INSPECTOR/RISK ASSESSOR

P-007952


ANNUAL FEE DUE: 03/31/24

TRAINING & EXAM DUE: 03/31/24

LEAD CERTIFICATION AND COMPLIANCE ASSURANCE SECTION

MDHHS

This card certifies that the person on the reverse side has successfully met all the requirements established by the Lead Certification and Compliance Assurance Section to perform lead-based paint activities.



For questions regarding this certification or the person represented, please contact the Michigan Department of Health and Human Services at 866-691-LEAD or LCCAinfo@michigan.gov

LEAD CERTIFICATION AND COMPLIANCE ASSURANCE SECTION

KYLE A. CLARK
ASSOCIATE SCIENTIST
DIRECTOR | INDUSTRIAL HYGIENE



Kyle Clark currently serves as the Director of the Industrial Hygiene Division with Triterra. His work focuses on overseeing the hazardous material investigations and industrial hygiene-related projects that Triterra performs for its clients. Mr. Clark regularly conducts field inspections/sampling to determine the presence of hazardous materials and maintains a thorough understanding of regulatory requirements in an effort to identify, and ultimately eliminate, the presence of these materials and their risk to human health & safety. Mr. Clark works closely with construction managers, developers, facility owners, and trade workers to identify and mitigate workplace hazards.

AREAS OF EXPERTISE

- Hazardous Materials Assessments for Pre-Reno/Demo NESHAP Compliance
- Asbestos AHERA Management Plans & Re-inspections for K-12 Schools
- Hazardous Material Abatement Specifications & Project Designs
- Hazardous Material Abatement Oversight & Exposure Monitoring
- Pre-Alteration Hazardous Material Assessments for GSA Compliance
- Asbestos & Lead Abatement Specifications for GSA Compliance
- Lead-Based Paint Inspections/Risk Assessments for Child-Occupied Facility (COF) & Target Housing
- Employee Exposure Assessments – Asbestos, Lead, Silica, Cadmium, Chromium, Chemical
- Indoor Air Quality (IAQ) and Mold Investigations with Pre & Post Remediation Sampling
- Redevelopment & Demolition Oversight: Owner's Representation and Administration
- Demolition Oversight Monitoring for Lead, Cadmium, Chromium, and Particulate

EDUCATION

- BS Biology – Environmental Health & Safety Focus - 2012
Central Michigan University, Mount Pleasant, Michigan

CERTIFICATIONS

- Asbestos Contractor/Supervisor – Michigan (#A44305)
- Asbestos Building Inspector – Michigan (#A44305)
- Asbestos Management Planner – Michigan (#A44305)
- Asbestos Project Designer – Michigan (#A44305)
- National Institute of Occupational Safety & Health (NIOSH) – 582
Equivalency Certification
- Certified Lead Inspector/Risk Assessor – Michigan (#P-06268)

NOTABLE PROJECT EXPERIENCE

- Pre-Renovation/Demolition Hazardous Material Inspections – Commercial, Residential, Healthcare, Industrial, Nuclear, Multi-Family
- Asbestos AHERA Management Plans & Re-inspections for K-12 Compliance
- Asbestos, Lead, and Universal Waste Abatement Specifications & Project Designs – Commercial, Residential, Industrial, Multi-Family
- Lead-Based Paint Inspections & Risk Assessments – Commercial and Residential
- Employee Exposure Assessments – Mold, Asbestos, Lead, Cadmium, Chromium, Silica, Particulate
- Negative Exposure Assessments – Asbestos, Lead, Cadmium, and Chromium
- Mold Assessment and Indoor Air Quality Sampling – Commercial and Residential
- Chemical Exposure Monitoring – Gases, Vapors, Fumes
- Noise Monitoring & Conservation Plan Implementation – Industrial
- OSHA Hazard Communication Standard Implementation – Commercial & Industrial
- Respiratory Protection Plan Development & Implementation

PROFESSIONAL ORGANIZATIONS & AFFILIATIONS

- American Industrial Hygiene Association – National Chapter – Member
- American Industrial Hygiene Association – Michigan Chapter – Member
- American Industrial Hygiene Association – West Michigan Chapter – Member
- Grand Rapids Young Professionals – Member
- Big Brothers Big Sisters – Southwest Michigan



Creating Healthier Communities through Practical and Creative Environmental Solutions

616.727.1888 | kyle.clark@triterra.us | P.O. Box 6674, Grand Rapids, MI, 49516

State of Michigan
 Department of Labor and Economic Opportunity
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Project Designer



Kyle A. Clark
 3066 Cheney Avenue NE
 Grand Rapids, MI 49505



Accreditation Number **Expiration Date**
 A44305 08/24/2023

DOB: 11/15/1988

This individual has satisfactorily met or exceeded the requirements of Section 209 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered. 160154

State of Michigan
 Department of Labor and Economic Opportunity
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Management Planner



Kyle A. Clark
 3066 Cheney Avenue NE
 Grand Rapids, MI 49505



Accreditation Number **Expiration Date**
 A44305 08/24/2023


DOB: 11/15/1988

This individual has satisfactorily met or exceeded the requirements of Section 209 of the Toxic Substances Control Act to be accredited in the above discipline.


Accreditation card is not valid if altered. 160155

State of Michigan
 Department of Labor and Economic Opportunity
 Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector



Kyle A. Clark
 3066 Cheney Avenue NE
 Grand Rapids, MI 49505



Accreditation Number **Expiration Date**
 A44305 08/24/2023

DOB: 11/15/1988

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. 160153

APPENDIX B

***LABORATORY ANALYTICAL RESULTS AND
CHAIN OF CUSTODY DOCUMENTATION***



Built Environment Testing



Report for:

Greg Ross
Triterra
1375 S. Washington Ave., Ste. 100
Lansing, MI 48910

Regarding: Eurofins J3 Resources, Inc.
Project: 23-3415; LSD-301 W. Jolly Rd
EML ID: 3490280

Approved by:

Dates of Analysis:
Asbestos PLM (Layer %): 01-03-2024

Lab Director
Scott Ward

Service SOPs: Asbestos PLM (Layer %) (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200525-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins J3 Resources, Inc. ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Triterra
 C/O: Greg Ross
 Re: 23-3415; LSD-301 W. Jolly Rd

Date of Receipt: 12-22-2023
 Date of Report: 01-03-2024

Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)
Appx E Sub E 40 CFR 763 / EPA 600/R-93/116

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
2.1. 17028337-1	Layer 1 Tan Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
2.2. 17028338-1	Layer 1 Tan Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
3.1. 17028339-1	Layer 1 Tan Cove Base Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Tan Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
3.2. 17028340-1	Layer 1 Tan Cove Base Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
4.1. 17028341-1	Layer 1 White Texture Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Beige Tape Homogeneity:Good	Not Detected	100% Cellulose	
	Layer 3 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 4 White/ Brown Drywall Homogeneity:Good	Not Detected	90% Non-Fibrous Material 10% Cellulose	
4.2. 17028342-1	Layer 1 White Texture Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

Comments:

The total percentage of sample components shown may be greater than 100% when some components are detected at <1%.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers of that type were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Client: Triterra
 C/O: Greg Ross
 Re: 23-3415; LSD-301 W. Jolly Rd

Date of Receipt: 12-22-2023
 Date of Report: 01-03-2024

Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)
Appx E Sub E 40 CFR 763 / EPA 600/R-93/116

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
4.2. 17028342-1(cont.)	Layer 2 Beige Tape Homogeneity:Good	Not Detected	100% Cellulose	
	Layer 3 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 4 White/ Brown Drywall Homogeneity:Good	Not Detected	90% Non-Fibrous Material 10% Cellulose	
5.1. 17028343-1	Layer 1 Green Sheet Flooring Homogeneity:Good	Not Detected	70% Non-Fibrous Material 25% Cellulose 5% Glass Fibers	
	Layer 2 Brown Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
5.2. 17028344-1	Layer 1 Green Sheet Flooring Homogeneity:Good	Not Detected	70% Non-Fibrous Material 25% Cellulose 5% Glass Fibers	
	Layer 2 Brown Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
6.1. 17028345-1	Layer 1 Brown Cove Base Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Brown Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
6.2. 17028346-1	Layer 1 Brown Cove Base Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

Comments:

The total percentage of sample components shown may be greater than 100% when some components are detected at <1%.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers of that type were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Client: Triterra
C/O: Greg Ross
Re: 23-3415; LSD-301 W. Jolly Rd

Date of Receipt: 12-22-2023
Date of Report: 01-03-2024

Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)
Appx E Sub E 40 CFR 763 / EPA 600/R-93/116

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
6.2. 17028346-1(cont.)	Layer 2 Brown Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
7.1. 17028347-1	Layer 1 Tan Sheet Flooring Homogeneity:Good	Not Detected	78% Non-Fibrous Material 20% Cellulose 2% Glass Fibers	A
	Layer 2 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	A
	Layer 3 Brown Sheet Flooring Homogeneity:Good	Not Detected	78% Non-Fibrous Material 20% Cellulose 2% Glass Fibers	A
	Layer 4 Yellow Mastic 2 Homogeneity:Good	Not Detected	100% Non-Fibrous Material	A
7.2. 17028348-1	Layer 1 Tan Sheet Flooring Homogeneity:Good	Not Detected	78% Non-Fibrous Material 20% Cellulose 2% Glass Fibers	A
	Layer 2 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	A
	Layer 3 Brown Sheet Flooring Homogeneity:Good	Not Detected	78% Non-Fibrous Material 20% Cellulose 2% Glass Fibers	A
	Layer 4 Yellow Mastic 2 Homogeneity:Good	Not Detected	100% Non-Fibrous Material	A
8.1. 17028349-1	Layer 1 White Sink Undercoating Homogeneity:Good	Not Detected	90% Non-Fibrous Material 10% Cellulose	
8.2. 17028350-1	Layer 1 White Sink Undercoating Homogeneity:Good	Not Detected	90% Non-Fibrous Material 10% Cellulose	
10.1. 17028351-1	Layer 1 White Ceiling Tile Homogeneity:Good	Not Detected	60% Mineral Wool 20% Cellulose 20% Non-Fibrous Material	

Comments: A)Multi-Layer Flooring

The total percentage of sample components shown may be greater than 100% when some components are detected at <1%.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers of that type were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Client: Triterra
C/O: Greg Ross
Re: 23-3415; LSD-301 W. Jolly Rd

Date of Receipt: 12-22-2023
Date of Report: 01-03-2024

Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)
Appx E Sub E 40 CFR 763 / EPA 600/R-93/116

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
10.2. 17028352-1	Layer 1 White Ceiling Tile Homogeneity:Good	Not Detected	60% Mineral Wool 20% Cellulose 20% Non-Fibrous Material	
12.1. 17028353-1	Layer 1 Gray Cove Base Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Tan Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
12.2. 17028354-1	Layer 1 Gray Cove Base Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Tan Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
13.1. 17028355-1	Layer 1 White Insulation Homogeneity:Good	Not Detected	100% Mineral Wool	
13.2. 17028356-1	Layer 1 White Insulation Homogeneity:Good	Not Detected	100% Mineral Wool	
15.1. 17028357-1	Layer 1 White Window Caulk Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Clear Caulk Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
15.2. 17028358-1	Layer 1 White Window Caulk Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Clear Caulk Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

Comments:

Analyst(s): Isiah Scott

The total percentage of sample components shown may be greater than 100% when some components are detected at <1%.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers of that type were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.



Analytical Laboratory Report

Report ID: S57123.01(01)
Generated on 12/28/2023

Report to

Attention: Greg Ross
TriTerra
1375 S. Washington Avenue, Suite 100
Lansing, MI 48910

Phone: O:517-702-0470 FAX:
Email: Greg.Ross@triterra.us

Additional Contacts: Brad Buswell

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:

John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S57123.01
Project: 23-3415
Collected Date(s): 12/21/2023
Submitted Date/Time: 12/21/2023 14:00
Sampled by: Greg Ross
P.O. #:

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
I	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW6020A	SW 846 Method 6020A Revision 1 February 2007



Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S57123.01	PC-1 White	Solid	12/21/23 00:01



Analytical Laboratory Report

Lab Sample ID: S57123.01

Sample Tag: PC-1 White

Collected Date/Time: 12/21/2023 00:01

Matrix: Solid

COC Reference: 169643

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	Yes	2.2	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	12/28/23 12:30	JRH	

Metals

Method: SW6020A, Run Date: 12/28/23 14:55, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Cadmium	Not detected	0.10		%	833	7440-43-9	
Chromium	Not detected	0.10		%	833	7440-47-3	
Lead	Not detected	0.10		%	833	7439-92-1	

Merit Laboratories Login Checklist

Lab Set ID:S57123

Client:TRITERRA (TriTerra)

Project: 23-3415

Submitted: 12/21/2023 14:00 Login User: MMC

Attention: Greg Ross

Address: TriTerra

1375 S. Washington Avenue, Suite 100

Lansing, MI 48910

Phone: O:517-702-0470 FAX:

Email: Greg.Ross@triterra.us

Selection	Description	Note
Sample Receiving		
01.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Samples are received at 4C +/- 2C Thermometer # IR 2.2
02.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Received on ice/ cooling process begun
03.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples shipped
04.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples left in 24 hr. drop box
05.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Are there custody seals/tape or is the drop box locked
Chain of Custody		
06.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	COC adequately filled out
07.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	COC signed and relinquished to the lab
08.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sample tag on bottles match COC
09.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Subcontracting needed? Subcontracted to:
Preservation		
10.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Do sample have correct chemical preservation
11.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Completed pH checks on preserved samples? (no VOAs)
12.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Did any samples need to be preserved in the lab?
Bottle Conditions		
13.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	All bottles intact
14.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Appropriate analytical bottles are used
15.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Merit bottles used
16.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sufficient sample volume received
17.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples require laboratory filtration
18.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Samples submitted within holding time
19.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Do water VOC or TOX bottles contain headspace

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____



2680 East Lansing Dr., East Lansing, MI 48823
 Phone (517) 332-0167 Fax (517) 332-4034
 www.meritlabs.com

C.O.C. PAGE # _____ OF _____ 169643

REPORT TO **CHAIN OF CUSTODY RECORD** **INVOICE TO**

REPORT TO			CHAIN OF CUSTODY RECORD			INVOICE TO			
CONTACT NAME <i>Greg R</i>			CONTACT NAME			<input type="checkbox"/> SAME			
COMPANY <i>Triton</i>			COMPANY						
ADDRESS			ADDRESS						
CITY		STATE	CITY		STATE	CITY		STATE	ZIP CODE
PHONE NO.		CELL NO.	PHONE NO.		E-MAIL ADDRESS				
E-MAIL ADDRESS <i>Greg.Ross@tritona.us</i>			QUOTE NO.						

PROJECT NO./NAME <i>23-3415</i>			SAMPLE(S) - PLEASE PRINT/SIGN NAME <i>Greg Ross</i>			ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED) Certifications <input type="checkbox"/> OHIO VAP <input type="checkbox"/> Drinking Water <input type="checkbox"/> DoD <input type="checkbox"/> NPDES Project Locations <input type="checkbox"/> Detroit <input type="checkbox"/> New York <input type="checkbox"/> Other _____ Special Instructions								
TURNAROUND TIME REQUIRED <input type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> OTHER														
DELIVERABLES REQUIRED <input type="checkbox"/> STD <input type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III <input type="checkbox"/> LEVEL IV <input type="checkbox"/> EDD <input type="checkbox"/> OTHER														
MATRIX W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE			# Containers & Preservatives											
MERIT LAB NO. <i>57123.01</i>	COLLECTION DATE: <i>12/21/23</i> TIME:		SAMPLE TAG IDENTIFICATION-DESCRIPTION <i>PC-1 white</i>			MATRIX	# OF BOTTLES	NONE	HCl	HNO ₃	H ₂ SO ₄	NaOH	MgOH	OTHER
					<i>S</i>	<i>1</i>	<i>X</i>							

RELINQUISHED BY: <i>Greg Ross</i>		<input checked="" type="checkbox"/> Sampler		DATE: <i>12/21/23</i>	TIME: <i>12:13</i>	RELINQUISHED BY:	DATE	TIME	
SIGNATURE/ORGANIZATION						SIGNATURE/ORGANIZATION			
RECEIVED BY: <i>BIB</i>				DATE: <i>12/21/23</i>	TIME: <i>3:13</i>	RECEIVED BY:	DATE	TIME	
SIGNATURE/ORGANIZATION						SIGNATURE/ORGANIZATION			
RELINQUISHED BY: <i>M. Calabro</i>				DATE: <i>12/21/23</i>	TIME: <i>14:00</i>	SEAL NO.	SEAL INTACT	INITIALS	NOTES: 2.2
SIGNATURE/ORGANIZATION							YES <input type="checkbox"/> NO <input type="checkbox"/>		

APPENDIX C

SITE PHOTO LOG



Photo #: 1 Material #: 1 Non-ACM
Subject: View of Textured Ceilings. Located on ceilings throughout.



Photo #:2 Material #: 2 Non-ACM
Subject: View of Carpet Adhesive. Located under carpeting throughout.

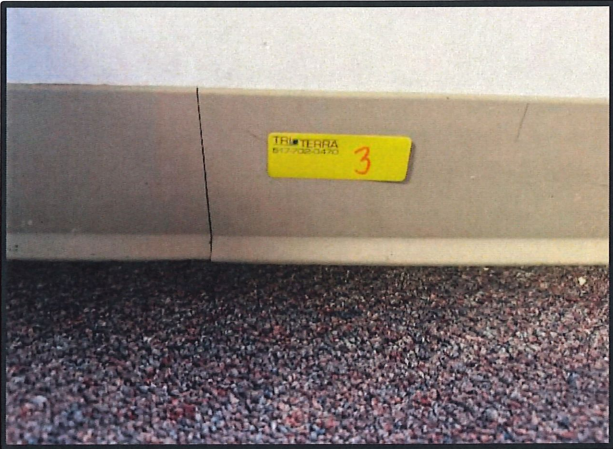


Photo #:3 Material #:3 Non-ACM
Subject: View of Tan 4" Cove Base w/ Adhesive. Located in various rooms throughout. See table.



Photo #:4 Material #:4 Non-ACM
Subject: View of Drywall w/ Joint Compound. Located on walls throughout.



Photo #:5 Material #:5 Non-ACM
Subject: View of Green Sheet Flooring w/ Red Pebble Design. Located in various rooms see table.



Photo #:6 Material #:6 Non-ACM
Subject: View of 4" Brown Cove Base w/ Adhesive. Located various rooms. See table.



Photo #: 7 Material #:7 Non-ACM
Subject: View of Tan Sheet Flooring w/ Brick Design. Located in various rooms. See table.



Photo #: 8 Material #: 8 Non-ACM
Subject: View of White Sink Undercoat. Located the kitchen and nursery.



Photo #: 9 Material #: 9 PACM
Subject: Presumed Asbestos-containing Terra cotta Floor Tile. Located in entries.

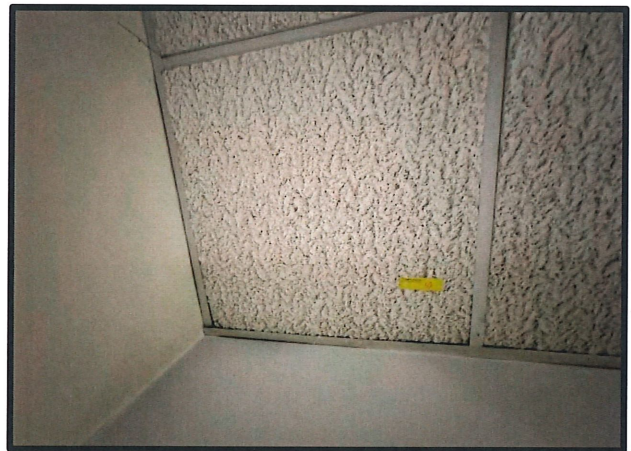


Photo #: 10 Material #: 10 Non-ACM
Subject: View of 2x2' Suspended Ceiling Tile w/ Heavy Texture. Located in the sanctuary and family room.

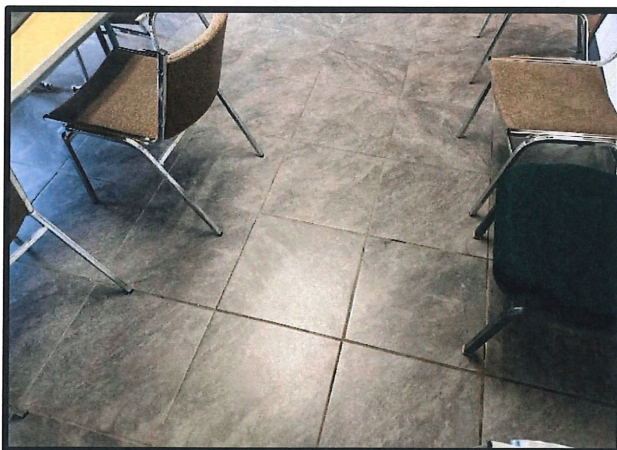


Photo #: 11 Material #: 11 PACM
Subject: Presumed Asbestos-containing 2x2' Grey Ceramic Floor Tile. Located on the conference room floor.



Photo #: 12 Material #: 12 Non-ACM
Subject: View of 4" Grey Cove Base w/ Adhesive. Located in the conference room.



Photo #: 13 Material #: 13 Non-ACM

Subject: View of Grey Blown Insulation. Located in the attic spaces.



Photo #: 14 Material #: 14 PACM

Subject: Presumed Asbestos-containing fire doors. Located on furnace entries.



Photo #: 15 Material #: 15 Non-ACM

Subject: View of Exterior Window Caulk. Located on the exterior windows.



Work Category 31A: Asphalt

Sections Included:

- No technical specifications provided.

Specific Notes/Scope:

The following is to be used for clarification of the intent of this work category. This is not a comprehensive list of scope items and work category will be responsible to provide all work for the sections listed above.

1. Furnish and install barricading and traffic control required for this scope of work.
 2. Perform milling of existing asphalt.
 3. Furnish and install asphalt overlay
 4. Furnish and install pavement markings – match existing layout
-

Exclusions/Work by Others:

1. None

Allowances:

Allowances are to be utilized at the owner's discretion and by their authorization only.

1. \$10,000 for signage to be determined for ADA parking and exit/entrance to lot

Alternates:

1. NOT USED

Unit Prices:

1. NOT USED

END OF WORK CATEGORY

W Jolly Rd

Ora Ave

MILL 1 1/2" ASPHALT
PARKING SURFACE AND
INSTALL NEW 1 1/2" NEW
MDOT 5EL WEARING
COURSE & STRIPE

ia Dr

Dahlia Dr

Date: 04/15/2024
Project: Newcomer Center Renovation
Owner: Lansing School District
Location: Lansing, MI
A/E #: 2616.04

ADDENDUM NO. 01

SPECIAL NOTE:

The Notice to Bidders, Instructions to Bidders, General Conditions of the Contract for Construction, Supplementary Conditions of the Contract for Construction, and all modifications and previously issued Contract Documentation are a part of this Addendum.

SCOPE OF WORK:

The following items are changes, additions, deletions, clarifications and/or errors and omissions in plans & specifications and shall be considered by each Bidder in making up and submitting their proposal. All items shall be considered a part of the Contract Documents.

NOTICE TO ALL BIDDERS:

All Bidders shall take note of all items covered by this Addendum. Each Bidder shall review the total scope of his responsibilities with respect to his contract work and his interface with the work of others, as well as his required interface with their work.

DRAWINGS:

- Item No. 1.** Refer to sheet **D1.1 – Demolition Floor & Reflected Ceiling Plans:**
- A. Added Keynotes 2C, 2D, and 9E to keynote list.
 - B. Added Keynotes 2C, 2D to Demolition Plan restrooms. Existing wallpaper, wallpaper border, and wainscot/ paneling and trim to be removed.
 - C. Added Keynote 9E to Demolition Plan corridor. Existing drinking fountain to be removed.
- Item No. 2.** Refer to sheet **A1.1 – Floor Plan, Enlarged Plans & Details:**
- A. Revised window type tag at Classroom 115.
- Item No. 3.** Refer to sheet **A8.1 – Color Finish & Equipment plans:**
- A. Added Keynote to paint baseboard heater in restrooms (one in each ADA stall)
 - B. Added Keynote to paint wood chair rail in corridors. Owner to select color
 - C. Added general color note to paint door lite trim to match doors
- Item No. 4.** Refer to sheet **PD1.1 – First Floor Plumbing Demolition Plan:**
- A. Added removal of existing drinking fountain with associated Keynote Y7.

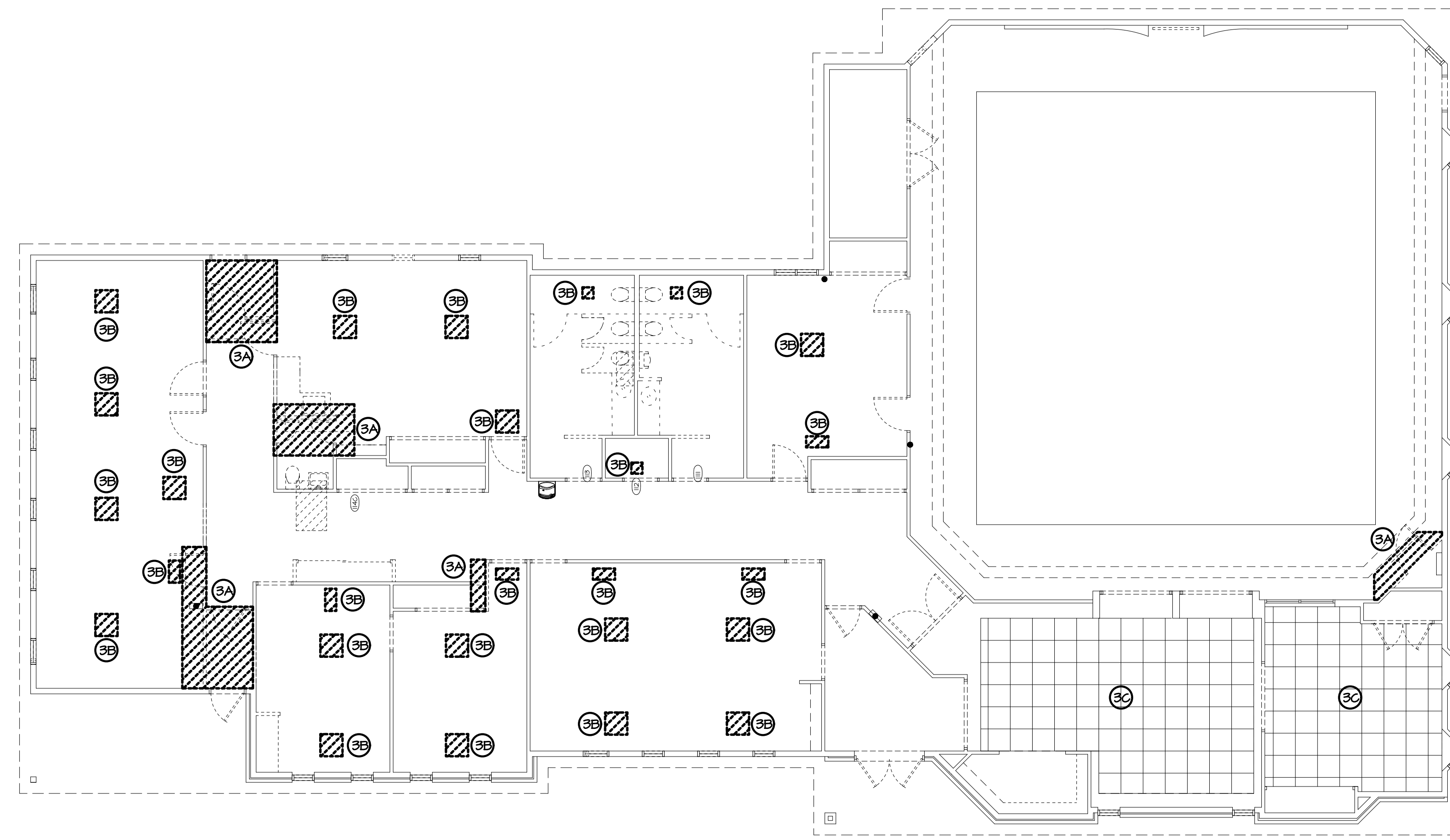
END OF ADDENDUM

KALAMAZOO
259 E. Michigan Ave., Suite 308
Kalamazoo, MI 49007
T: 800.632.7815

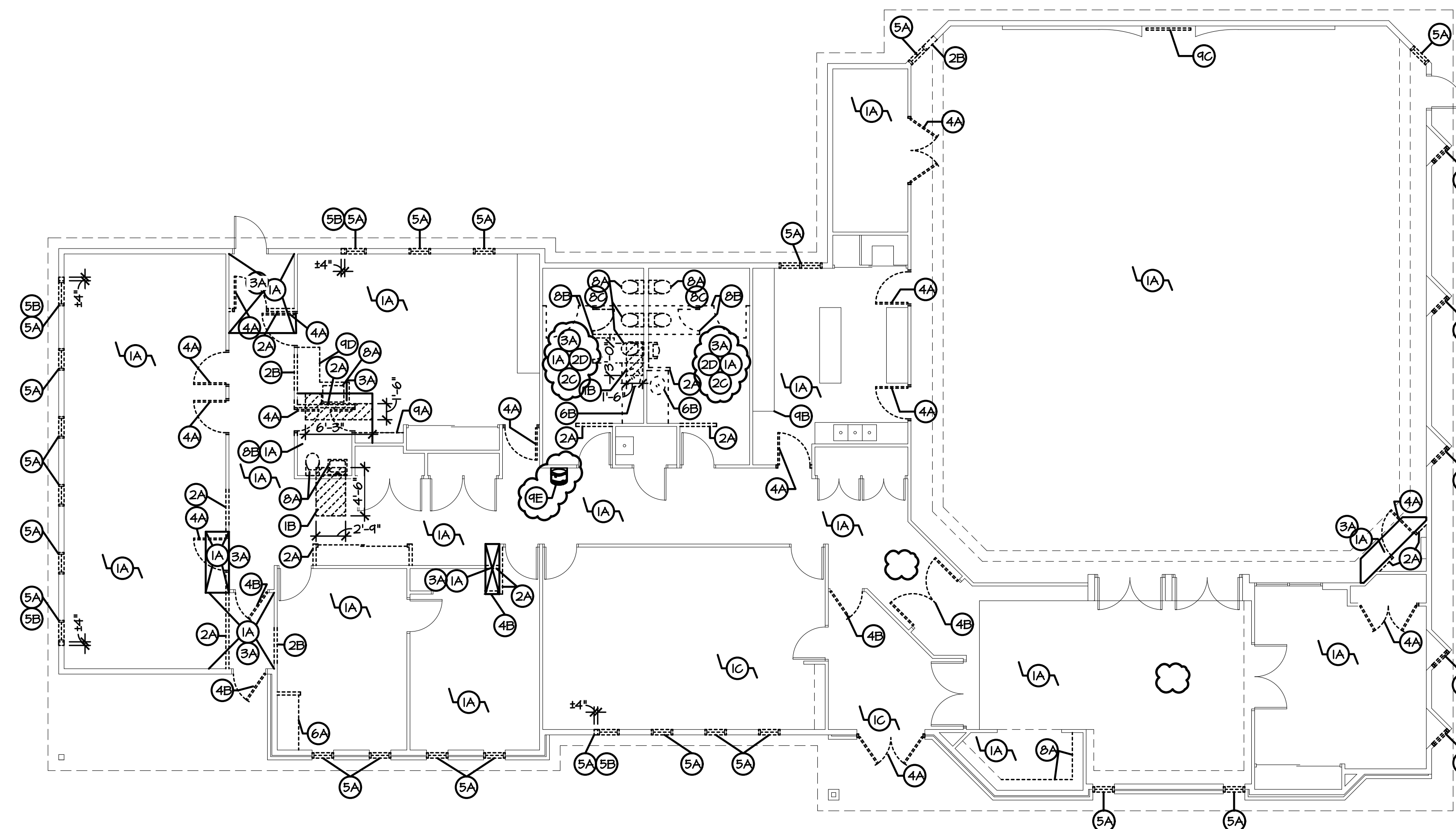
GRAND RAPIDS
801 Broadway NW, Suite 306
Grand Rapids, MI 49504
T: 800.632.7815

CHELSEA
300 N. Main Street, Suite 204
Chelsea, MI 48118
T: 800.632.7815

ROYAL OAK
818 W. Eleven Mile Road
Royal Oak, MI 48067
T: 800.632.7815



2 REFLECTED CEILING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



1 DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GENERAL ARCHITECTURAL DEMOLITION NOTES:

1. THE DEMOLITION PLANS GENERALLY INDICATE AREAS OF EXTENSIVE REMOVALS AND DO NOT INDICATE ALL OF THE WORK. CONTRACTOR SHALL PERFORM ALL THE DEMOLITION WHICH IS NECESSARY FOR THE PROPER EXECUTION OF THE PROJECT, WHETHER OR NOT SAID DEMOLITION IS SPECIFICALLY INDICATED WITHIN THE DOCUMENTS.
2. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER DRAWINGS AND SPECIFICATIONS FOR OTHER AREAS THAT WILL REQUIRE DEMOLITION NOT INDICATED ON THESE SHEETS.
3. CONTRACTOR IS RESPONSIBLE TO INFILL, PATCH AND/OR REPAIR EXISTING WALLS, FLOORS AND CEILING TO MATCH EXISTING WHERE DEMOLITION OCCURS OTHER THAN AS DESCRIBED IN THESE DOCUMENTS.
4. PATCH AND REPAIR REMAINING ADJACENT SURFACES AT AREAS OF REMOVAL AND/OR ALTERATION TO MATCH EXISTING. PROVIDE A SOUND AND PROPER SUBSTRATE FOR NEW FINISH. COORDINATE WITH COLOR PLANS, WHERE A NEW FINISH IS NOT INDICATED, MATCH EXISTING ADJACENT FINISHES.
5. ALL DEMOLITION IS TO BE DONE WITH REASONABLE CARE AS TO MINIMIZE DAMAGE TO EXISTING REMAINING SURFACES. CONTRACTOR IS RESPONSIBLE TO PROPERLY DISPOSE OF ALL DEMOLISHED ITEMS NOT INDICATED TO BE RELOCATED OR TURNED OVER TO OWNER.
6. DEMOLISH MISCELLANEOUS ITEMS SUCH AS PLYWOOD, NAILS, HOOKS, ETC., FROM WALLS & PATCH AS INDICATED IN THESE DOCUMENTS.

ARCHITECTURAL DEMOLITION NOTES:

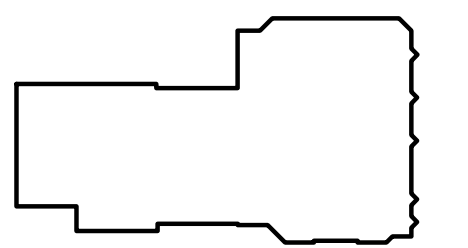
- 1 FLOORS**
 - A. REMOVE AND PROPERLY DISPOSE OF FLOORING, BASE, AND ACCESSORIES. PREP REMAINING SURFACES TO RECEIVE NEW FINISH.
 - B. SAWCUT AND TRENCH AREA OF CONCRETE FLOOR SLAB AS INDICATED FOR THE INSTALLATION OF NEW PIPING. REFER TO PLUMBING DRAWINGS.
 - C. EXISTING FLOORING AND BASE TO REMAIN.
- 2 WALLS**
 - A. REMOVE AND PROPERLY DISPOSE OF EXISTING WALL CONSTRUCTION AND RELATED BRACINGS/SUPPORTS AS INDICATED. PATCH AND REPAIR REMAINING FLOOR SURFACES TO MATCH EXISTING AND/OR TO RECEIVE NEW FINISH OR OTHER CONSTRUCTION AS REQUIRED BY NEW DOOR OPENING.
 - B. REMOVE AND PROPERLY DISPOSE OF EXISTING WALL CONSTRUCTION AS REQUIRED BY NEW DOOR OPENING.
 - C. REMOVE WALLPAPER AND WALLPAPER BORDER IN RESTROOMS.
 - D. REMOVE WAINSCOTING/PANELING AND TRIM IN RESTROOMS.
- 3 CEILING**
 - A. MODIFY/ALTER CEILING CONSTRUCTION AS REQUIRED BY REMODELING. MAINTAIN THE FIRE RESISTANCE RATING OF THE EXISTING CEILING ASSEMBLY. PATCH AND PREPARE SURFACES FOR NEW FINISHES. COORDINATE ALL NECESSARY ELECTRICAL AND MECHANICAL REMOVAL AND REPLACEMENT WITH ELECTRICAL AND MECHANICAL CONTRACTORS.
 - B. REMOVE AND PROPERLY DISPOSE OF FINISH CEILING MATERIAL AS REQUIRED FOR THE INSTALLATION OF MECHANICAL DIFFUSERS. REFER TO MECHANICAL DRAWINGS.
 - C. REMOVE AND RETAIN ACOUSTICAL CEILING TILE AS REQUIRED FOR REMODEL. ANY CEILING TILES DISTURBED DUE TO MECHANICAL & ELECTRICAL COORDINATION TO BE REPLACED. MATCH EXISTING.
- 4 DOORS**
 - A. REMOVE AND PROPERLY DISPOSE OF INTERIOR DOOR, INCLUDING FRAME, SIDELIGHTS, CASING AND ALL RELATED ANCHORS AND SUPPORTS. SAWCUT ALL FRAME ANCHORS - PRYING ANCHORS FROM SUBSTRATES IS UNACCEPTABLE, UNLESS SUPPORTING WALL IS TO BE REMOVED.
 - B. REMOVE AND PROPERLY DISPOSE OF EXISTING DOORS, EXISTING FRAME TO REMAIN.
- 5 WINDOWS**
 - A. REMOVE AND PROPERLY DISPOSE OF WINDOWS / STOREFRONT / BORROWED LIGHT / LOUVER INCLUDING FRAME ASSEMBLY, SILL AND ALL RELATED ANCHORS, SUPPORTS AND HARDWARE. SAWCUT ALL ANCHORS - PRYING ANCHORS FROM SUBSTRATES IS UNACCEPTABLE.
 - B. HIDE EXISTING OPENING FOR THE INSTALLATION OF NEW EGRESS WINDOW AS SCHEDULED.
- 6 CASEWORK**
 - A. REMOVE AND PROPERLY DISPOSE OF CASEWORK (UPPER AND LOWER WHERE SHOWN) INCLUDING SUPPORTS, ANCHORS, DUCTWORK, GRILLES AND HARDWARE. PATCH SURFACES TO REMAIN AND PREP SURFACES FOR NEW FINISHES. REFER TO MECHANICAL & ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
 - B. REMOVE AND PROPERLY DISPOSE OF COUNTERTOPS AND BACK SPLASH AND SINKS. PATCH AND REPAIR WALLS AND CABINETS TO MATCH EXISTING ADJACENT CONSTRUCTION.
- 7 EQUIPMENT**
 - A. REMOVE AND PROPERLY DISPOSE OF WOOD TRIM, PLAQUES, AND DISPLAY CASES AND RETURN TO OWNER. REMOVE ALL MASTICS AND ANCHORS AND PREP WALL TO RECEIVE NEW FINISHES.
- 8 TOILET FIXTURES AND ACCESSORIES**
 - A. REMOVE AND PROPERLY DISPOSE OF WATER CLOSETS, SINKS AND LAVATORIES. REMOVE ALL ANCHORS, BRACKETS AND PREP WALL & FLOOR TO RECEIVE NEW FINISHES. TURN OFF WATER AND CAP AT ABANDONED PLUMBING LOCATIONS.
 - B. REMOVE AND PROPERLY DISPOSE OF TOILET PARTITIONS, REMOVE ALL ANCHORS, BRACKETS.
 - C. REMOVE AND PROPERLY DISPOSE OF GRAB BARS, COUNTERS, MIRRORS, SOAP AND PAPER DISPENSERS, PREP WALL TO RECEIVE NEW FINISHES.
- 9 MISCELLANEOUS**
 - A. REMOVE AND PROPERLY DISPOSE OF SHELVING AND ALL MISCELLANEOUS HALL MOUNTED ITEMS. PATCH AND REPAIR WHERE NEEDED. COORDINATE WITH OTHER DISCIPLINES.
 - B. ALTER AND PROPERLY DISPOSE OF COUNTER, ADJUST REFRIGERATOR & RANGE LOCATION AS REQUIRED TO MAINTAIN BARRIER FREE CLEARANCE. PREP WALL TO RECEIVE NEW FINISH. COORDINATE WITH OTHER DISCIPLINES.
 - C. REMOVE AND RETURN TO OWNER DISPOSITION HALL MOUNTED WOOD CROSS, PATCH AND REPAIR WHERE NEEDED. COORDINATE WITH OTHER DISCIPLINES.
 - D. REMOVE AND PROPERLY DISPOSE EXISTING CASEWORK, PATCH AND PREPARE WHERE NEEDED. COORDINATE WITH OTHER DISCIPLINES.
 - E. REMOVE AND PROPERLY DISPOSE OF EXISTING DRINKING FOUNTAIN, PATCH AND REPAIR WHERE NEEDED. COORDINATE WITH OTHER DISCIPLINES.

LANSING SCHOOL DISTRICT
2024 District Projects
NEWCOMER CENTER REMODELING
301 WEST JOLLY ROAD, LANSING, MI 48910



REVISIONS/REVIEW	DATE
CONSTRUCTION DOCUMENTS	03.22.2024
ADDENDUM #1	04.15.2024

KEY PLAN



JOB NO. 2616.04 NORTH

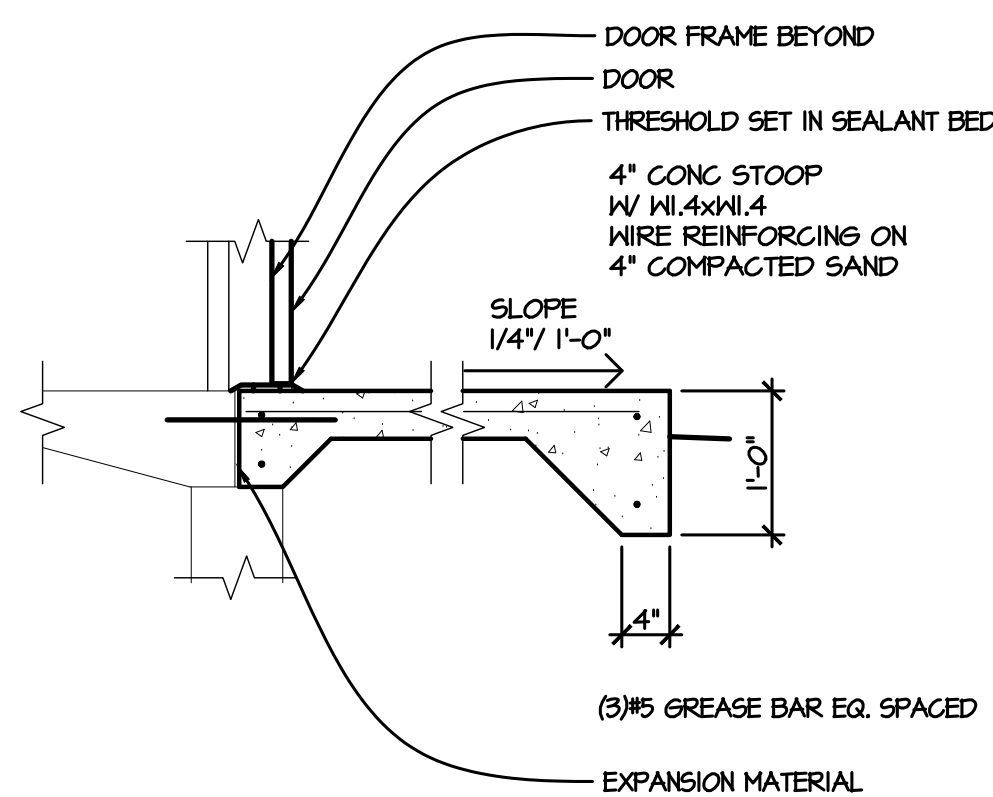
SHEET TITLE
DEMOLITION FLOOR & REFLECTED CEILING PLANS

SHEET NO.
D1.1

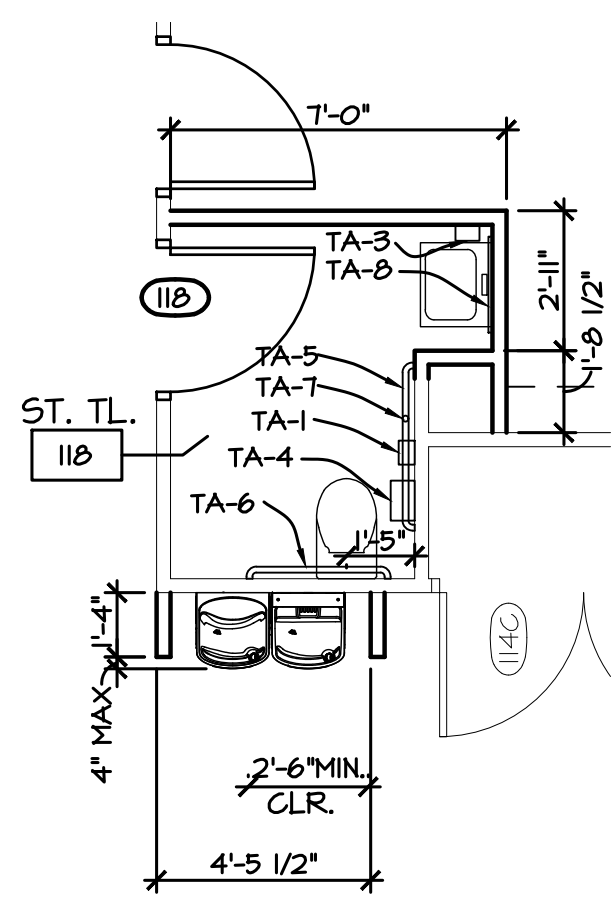
TOILET ACCESSORIES	
REFER TO SPECIFICATION SECTION 102800	
MARK	DESCRIPTION
TA-1	TOILET TISSUE DISPENSER - BY OWNER
TA-2	PAPER TOWEL DISPENSER - BY OWNER
TA-3	SOAP DISPENSER - BY OWNER
TA-4	SANITARY NAPKIN DISPOSAL UNIT
TA-5	GRAB BAR - 42"
TA-6	GRAB BAR - 36"
TA-7	VERTICAL GRAB BAR 18"
TA-8	MIRROR - 2'-0" W x 3'-0" H MOUNTED AT 36" A.F.F.

GENERAL TOILET ACCESSORY NOTES:

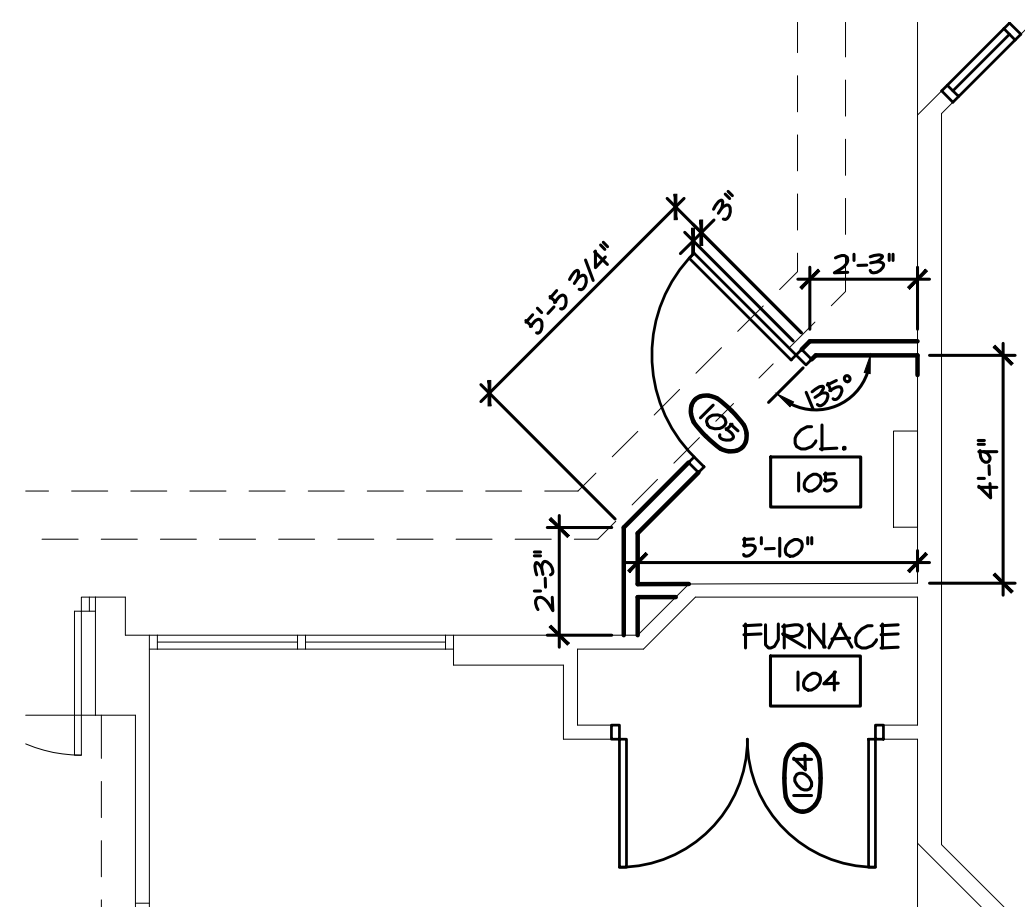
1. INSTALL UNDER-LAVATORY GUARDS AT EACH LAVATORY PLUMBING CONNECTION PER SPECIFICATION SECTION.
2. SEE EQUIPMENT PLANS FOR ADDITIONAL ACCESSORIES NOT LOCATED IN TOILET ROOMS.
3. TOILET ACCESSORIES NOT 'BY OWNER' SHALL BE CONTRACTOR INSTALLED.
4. SLOPE FLOOR MIN. 1/8" PER FOOT TO DRAIN UNO.
5. SEE SHEET 62 FOR MOUNTING HEIGHTS.



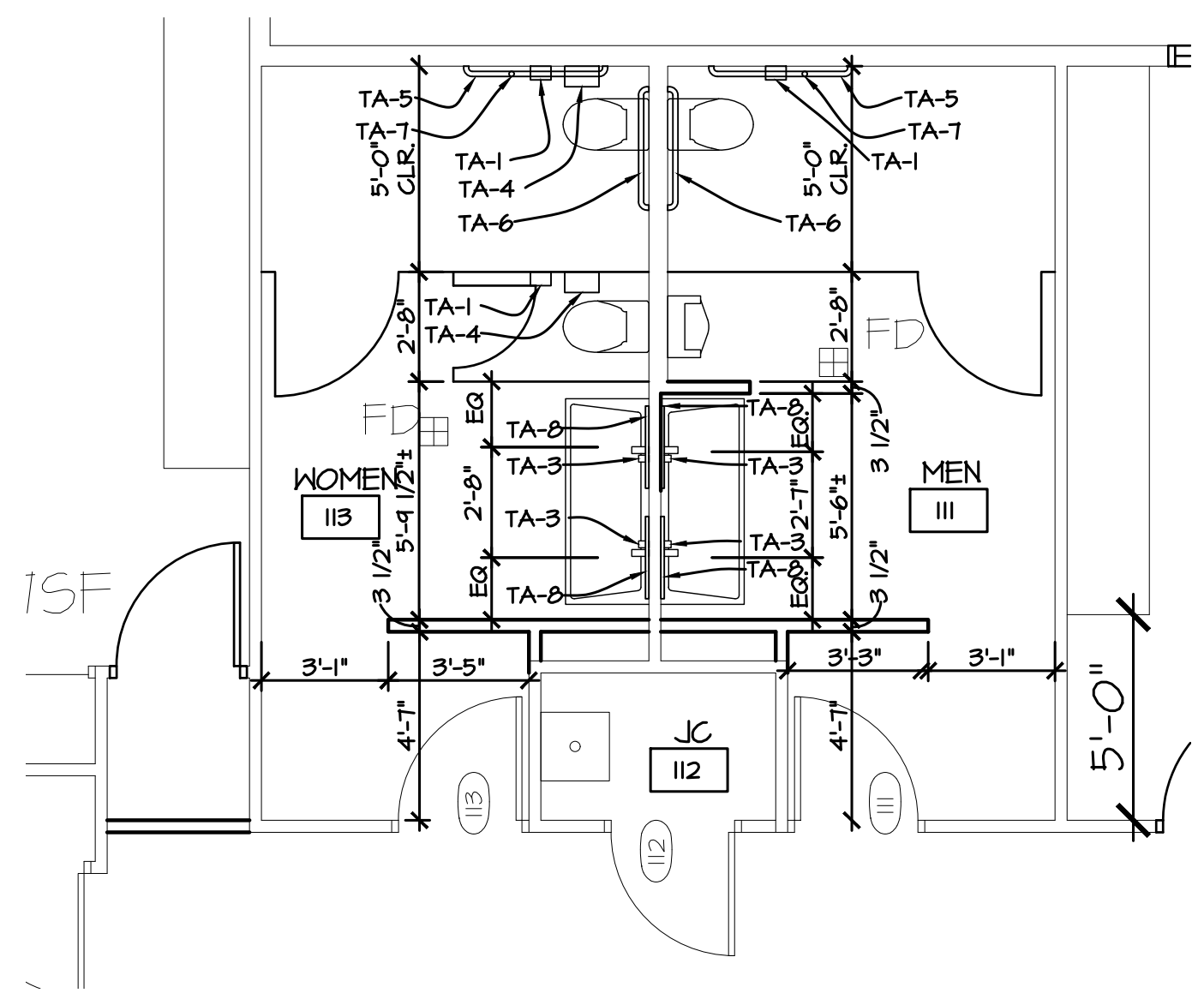
5 CONC. STOOP
SCALE: 3/4" = 1'-0"



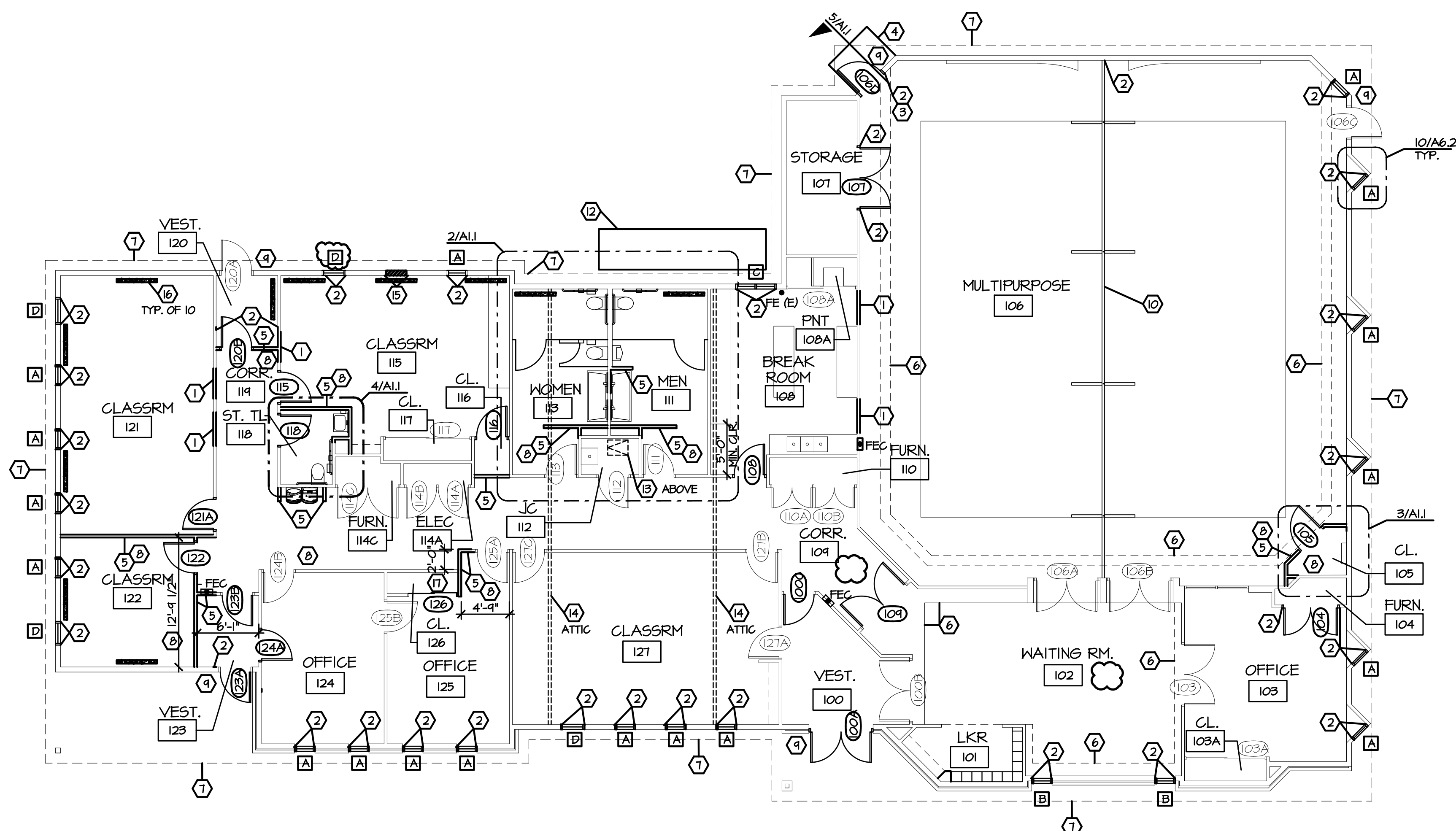
4 TOILET ROOM 118
SCALE: 1/4" = 1'-0"

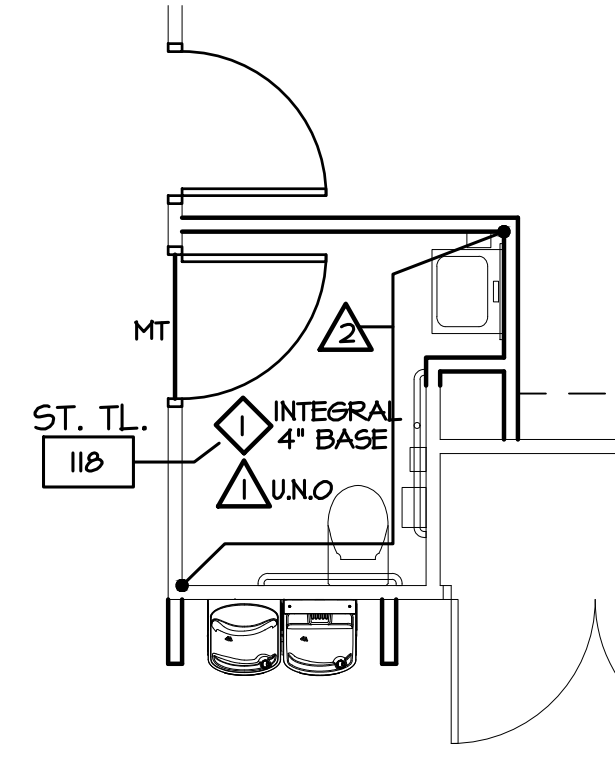


3 ELEC. CLOSET 105
SCALE: 1/4" = 1'-0"

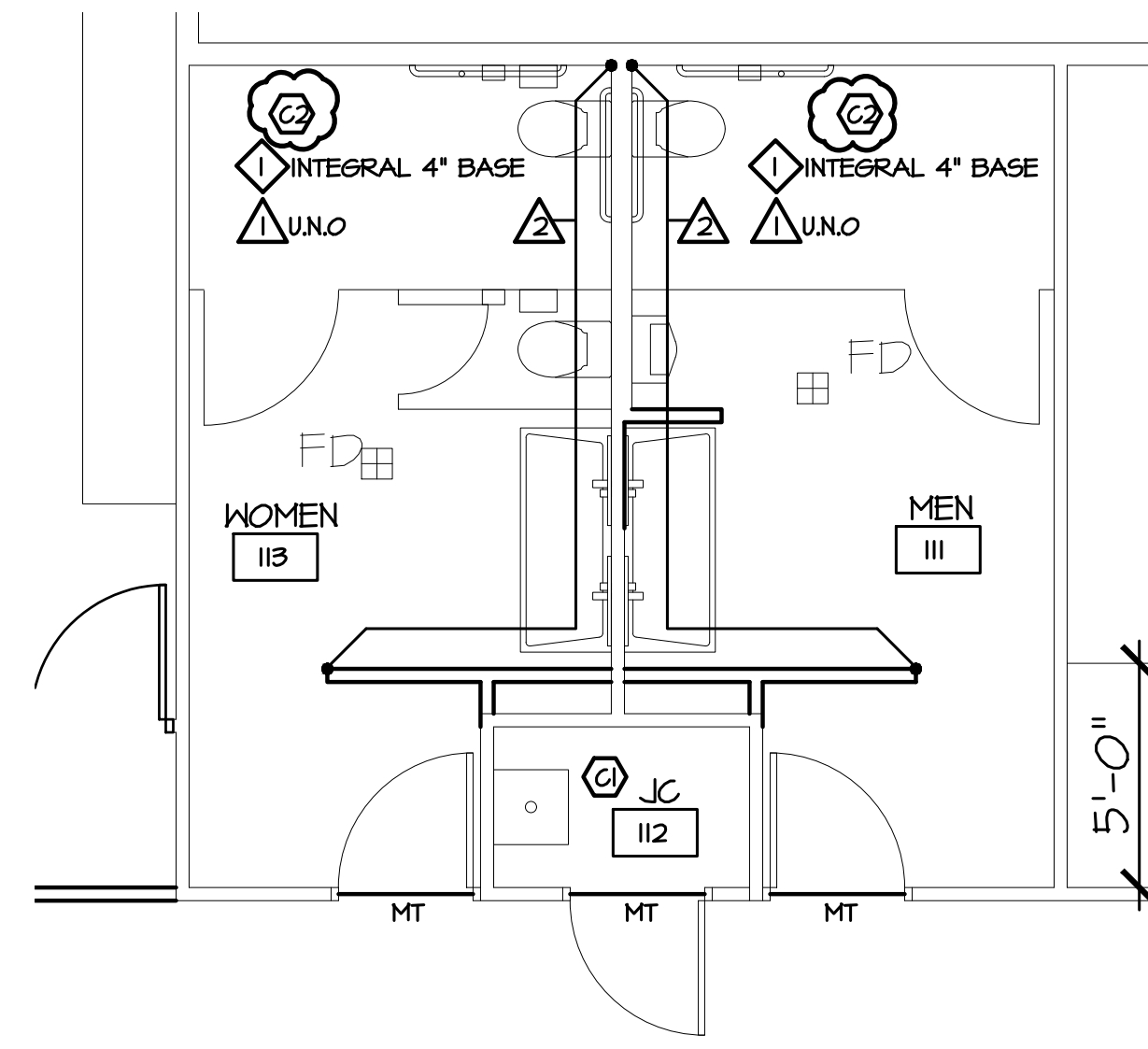


2 TOILET ROOMS III AND 113
SCALE: 1/4" = 1'-0"





3 ENLARGED COLOR PLAN - TOILET ROOM 118
SCALE: 1/4" = 1'-0"



2 ENLARGED COLOR PLAN - TOILET ROOMS 111 AND 113
SCALE: 1/4" = 1'-0"

- COLOR NOTES**
1. PAINT NEW AND EXISTING HOLLOW METAL DOORS AND FRAMES, SEMI-GLOSS, COLOR P-3, UNO.
 2. SEE REFLECTED CEILING PLANS FOR ACOUSTICAL PANEL CEILING TYPES AND ADDITIONAL PAINT LOCATIONS.
 3. PAINT ALL GYP. CEILINGS, BULKHEADS, EXPOSED, AND TEXTURED CEILINGS P-4.
 4. ALL NEW CABINET HTRS SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR.
 5. IT IS THE RESPONSIBILITY OF ALL TRADES TO COORDINATE PREPARATION OF SURFACES TO RECEIVE FINISH PRODUCT. CONSULT WITH MANUFACTURERS RECOMMENDED PRACTICES.
 6. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER DRAWINGS AND SPECIFICATIONS FOR OTHER AREAS THAT REQUIRE PATCH & REPAIR NOT INDICATED ON THESE SHEETS.
 7. ANY DAMAGE TO EXISTING SURFACES TO ACCOMMODATE M.E.P. AND TECHNOLOGY SCOPE OF WORK SHALL BE REPAIRED THOUGH NOT EXPRESSLY NOTED AS "PATCH & REPAIR" IT IS INTENDED THAT THE WORK BE PERFORMED.
 8. PAINT TOUCH-UP AT CEILING GRID REPLACEMENT AS REQUIRED.
 9. ALL MEN FLOORING SHALL BE CARRIED THROUGH ADJACENT CLOSETS.
 10. PAINT ALL DOOR LITE TRIM, P-3 AT ALL LOCATIONS.

- COLOR LAY-OUT SYMBOL KEY**
- PAINT (P)
 - POURED RESINOUS HIGH PERFORMANCE DECOFLAKE FLR.
 - LVT-# LUXURY VINYL FLOOR TILE
 - MT METAL TRANSITION ACCESSORY, SEE SPEC. 046123.
 - RB-# RUBBER BASE
 - MATERIAL EXTENTS
 - X RESILIENT TRANSITION
 - WP-# WALL PROTECTION WITH TRIM

- COLOR LAY-OUT KEYNOTES**
- NO WORK
 - PAINT BASEBOARD HEATER, P-3
 - PAINT HOOD CHAIR RAIL

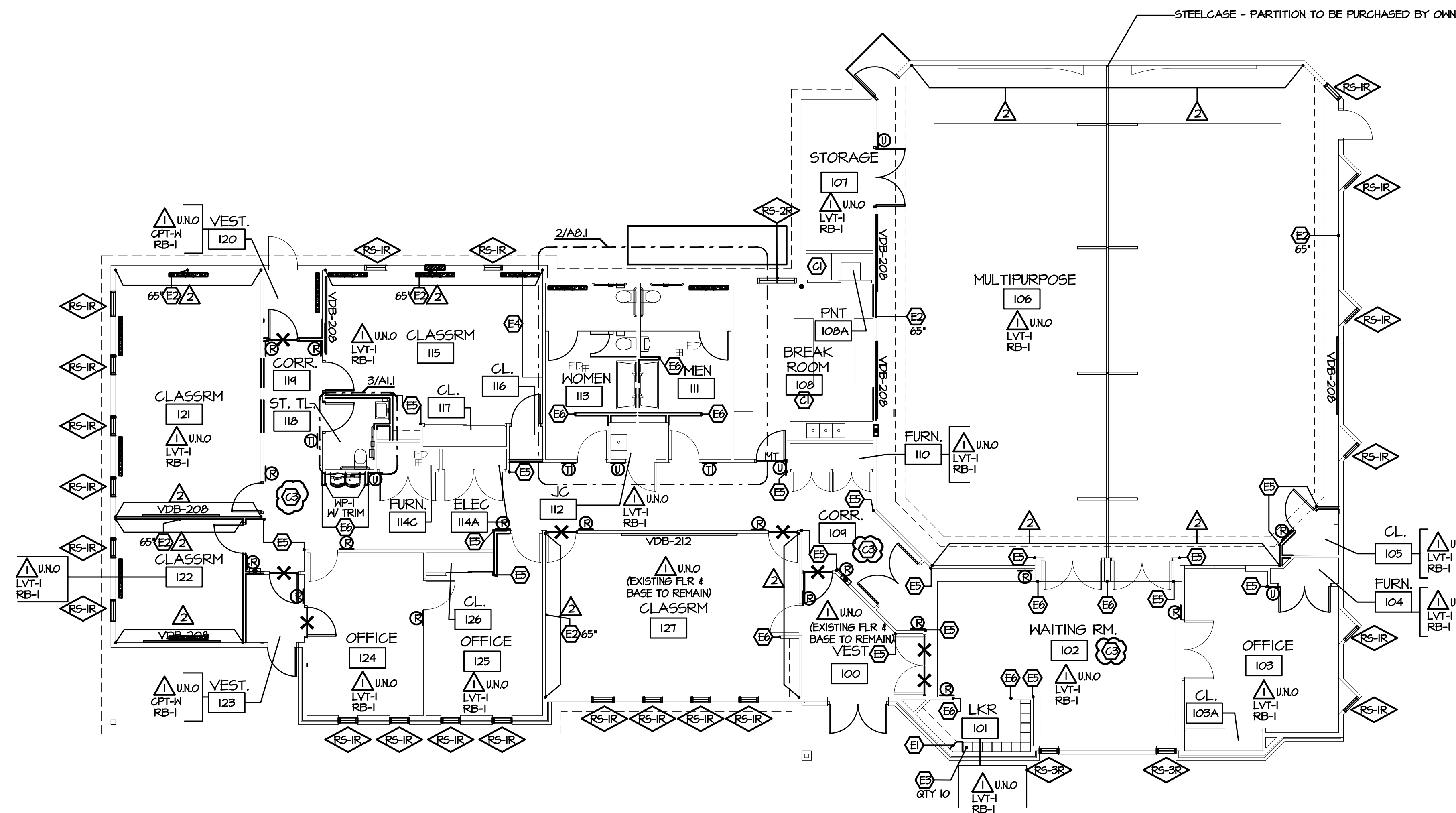
- GENERAL NOTES**
1. REFER TO SPECIFICATIONS FOR METAL LOCKER SCHEDULE.
 2. REFER TO SPECIFICATIONS FOR SIGNAGE DETAILS. SEE SPEC. SECTION 101400.
 3. COORDINATE VISUAL DISPLAY BOARDS WITH FINAL TECHNOLOGY.
 4. REFER TO SPECIFICATIONS FOR ROLLER SHADE DETAILS. SEE SPEC. SECTION 123661.6.

- EQUIPMENT SYMBOL KEY**
- ROLLER SHADES - FURNISHED AND INSTALLED BY OWNER
 - V.I.F. - VERIFY IN FIELD.
 - INTERIOR ROOM SIGNAGE

- EQUIPMENT NOTES:**
- FILLER TYPICAL TOP AND OR SIDE
 - T.V. BY OWNER. CONFIRM MOUNTING HEIGHT WITH OWNER
 - METAL LOCKER W/ SLOPPED TOP
 - EXISTING CASWORK TO REMAIN
 - FULL HEIGHT PLASTIC CORNER GUARDS
 - FULL HEIGHT PLASTIC END WALL GUARDS

- VDB SCHEDULE:**
- MKBD
 - VDB-208: 8'-0" W X 4'-0" H MARKERBOARD
 - VDB-212: 12'-0" W X 4'-0" H MARKERBOARD

- ROLLER SHADE SCHEDULE (RS-#):**
- VERIFY ALL DIMENSIONS IN FIELD. ALL ROLLER SHADES TO BE INSIDE MOUNT
- | TAG | TYPE | OPENESS | HAND | ARCH REF |
|-------|--------|----------------------|-------|------------|
| RS-1R | SINGLE | 3/8" LIGHT FILTERING | RIGHT | "WINDOW A" |
| RS-2R | SINGLE | 3/8" LIGHT FILTERING | RIGHT | "WINDOW C" |
| RS-3R | SINGLE | 3/8" LIGHT FILTERING | RIGHT | "WINDOW B" |



1 COLOR FINISH & EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"

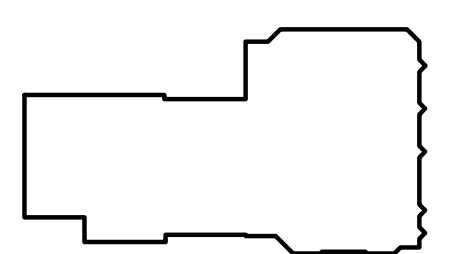


LANSING SCHOOL DISTRICT
2024 District Projects
NEWCOMER CENTER REMODELING
301 WEST JOLLY ROAD, LANSING, MI 48910



REVISIONS/REVIEW	DATE
CONSTRUCTION DOCUMENTS	03.22.2024
ADDENDUM #1	04.15.2024

KEY PLAN



JOB NO. 2616.04 NORTH

SHEET TITLE

COLOR FINISH & EQUIPMENT PLANS
SHEET NO.

A8.1

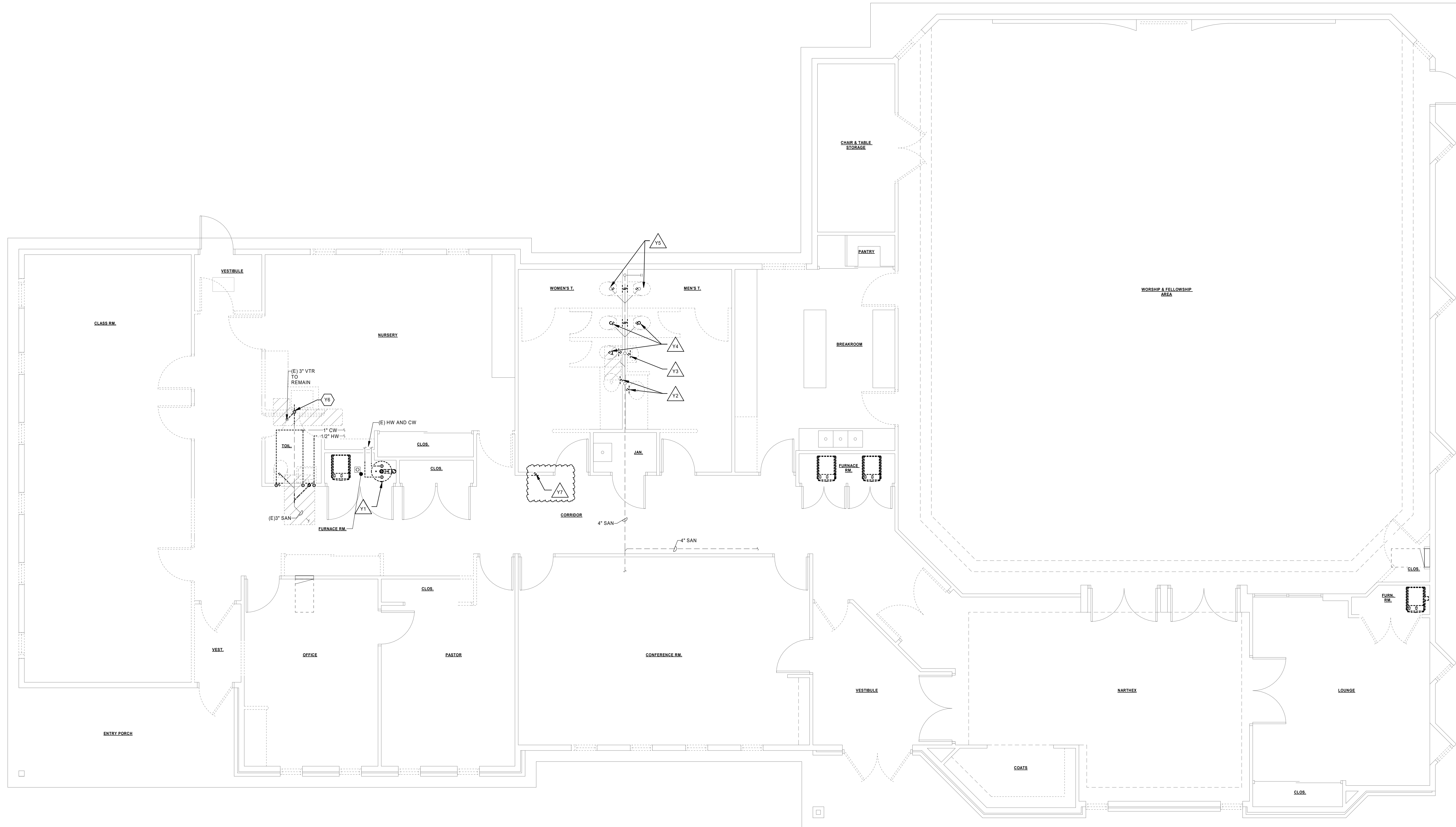


PLUMBING DEMOLITION KEYNOTES

- Y1 EXISTING WATER HEATER TO BE REMOVED. ALL WATER PIPING TO BE DISCONNECTED AND REMAIN IN PLACE FOR FUTURE USE. ALL OTHER SYSTEMS INCLUDING NATURAL GAS, DRAINAGE, FLUE SHALL BE REMOVED COMPLETE, INCLUDING ALL CONNECTIONS AND CONNECTION SPECIALTIES, SUPPORTS, DAMPERS, CONTROLS AND VALVING.
- Y2 DEMOLISH EXISTING LAVATORY, CAP CW AND HW, SANITARY TO BE DEMOLISHED BACK TO WALL. CAP SANITARY AT WALL.
- Y3 DEMOLISH URINAL AND SUPPORTS COMPLETE. CAP SANITARY PIPING WITHIN WALL. CAP HW AND CW WITHIN WALL.
- Y4 DEMOLISH WATER CLOSET, CAP SANITARY UNDER FLOOR. CAP CW WITHIN WALL.
- Y5 DEMOLISH WATER CLOSET, SANITARY TO BE EXTENDED TO NEW WATER CLOSET. CW TO BE CAPPED AT WALL.
- Y6 DEMOLISH EXISTING SINK. REMOVE SANITARY BACK TO BELOW FLOOR. REMOVE VENT UP TO VENT STACK THROUGH ROOF. VENT THRU ROOF TO BE REUSED.
- Y7 DEMOLISH EXISTING DRINKING FOUNTAIN COMPLETE. REMOVE CARRIER WITHIN WALL. CAP SANITARY AND CW IN WALL. REFER TO AND COORDINATE WITH ARCHITECTURE FOR WALL PATCHING.

MECHANICAL DEMOLITION NOTES

- 1. THESE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK TO BE PERFORMED. THE EXACT EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK.
- 2. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING SITE CONDITIONS, SYSTEMS, AND UTILITIES. NOTIFY ARCHITECT OF ANY INTERFERENCES OR DISCREPANCIES.
- 3. VERIFY DEPTH, SIZE, LOCATIONS AND CONDITION OF EXISTING UTILITIES IN THE FIELD, INCLUDING POINTS OF CONNECTION PRIOR TO STARTING ANY WORK.
- 4. ANY INTERRUPTIONS OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING'S OPERATION.
- 5. ALL ITEMS ON DEMOLITION PLANS SHALL BE CONSIDERED EXISTING UNLESS OTHERWISE NOTED. ALL WORK INDICATED ON PLANS HAS BEEN LOCATED PER EXISTING DRAWINGS AND/OR FIELD OBSERVATION AND REQUIRES FIELD VERIFICATION.
- 6. ALL ITEMS INDICATED WITH BROKEN LINES SHALL BE REMOVED COMPLETE, WITH ALL RELATED ITEMS INCLUDING HANGERS, SUPPORTS, INSULATION, CONTROLS, ETC. CAP ALL OPEN ENDED PIPES AND DUCTS.
- 7. ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED FROM DAMAGE. WHERE DUCT OR PIPE INSULATION HAS BEEN DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR INSULATION AS REQUIRED TO MATCH EXISTING.
- 8. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL EQUIPMENT BEING REMOVED. ALL ITEMS REMOVED SHALL BE LEGALLY DISPOSED OF. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING RELOCATED AND OWNER PROVIDED EQUIPMENT.



FIRST FLOOR PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

LANSING SCHOOL DISTRICT
2024 District Projects
NEWCOMER CENTER REMODELING
301 WEST JOLLY ROAD, LANSING, MI 48910



ISSUANCES	DATE
CONSTRUCTION DOCUMENTS	03/22/2024
ADDENDUM 01	04/15/2024

KEY PLAN

JOB NO. 2616.04

SHEET TITLE
FIRST FLOOR PLUMBING DEMOLITION PLAN

SHEET NO.
PD1.1



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