CONSTRUCTION MANAGEMENT DIVISION
Executive One Building
4835 Towne Centre Road, Suite 203
Saginaw, Michigan 48604
Phone: 989-790-9120
Fax: 989-790-9063

TO: Bullock Creek School District:
2024 Bond Series 2 – 2027 Improvement - Plan Holders

ATTN: Bidders and Estimators

FROM: Lisa Donahue, Project Administrator

DATE: November 3, 2026

PROJECT: Bullock Creek School District

SUBJECT: Addendum #1

- **Addendum #1 – THA Architects**
  - Write up 7 pages
  - Door Hardware List 1 page
  - Spec 260573 Power System Studies 3 pages
  - Drawings 52 pages

Wolgast Changes

- Clarifications 1 page

NOTES:

- **Bids will be received, opened and read at:**
- **Bullock Creek School District- Administration Office**
  1420 S Badour Road
  Midland, MI 48640

- **Bid Date: Tuesday, November 23, 2026, at 1:00 PM**
  In the High School Cafeteria

Number of pages (including this sheet) : 65 pages

If you have any problems with this transmission, please contact **Lisa @ 989-790-9120**

Bullock Creek School District
2024 Bond- Series 2 - 2027 Renovations
HS / MS / Floyd and Pine River Elementary Schools

Addendum #1

November 3, 2026

1. Pre-bid walkthrough updated schedule

Updated schedule

Bullock Creek High School 11/4 at 3:30 P.M.
Floyd Elementary 11/4 at 4:30 P.M.

Middle School 11/5 at 2:40 P.M.
Pine River Elementary 11/5 at 3:40 P.M.

All other deadlines remain as previously posted.

2. Project scope update

Bullock Creek Elementary work has been pulled from this summer's work.
Please do not quote this work, as it will be completed at a later date.

ADDENDUM #1

Project: No. 26-210 Bullock Creek 2023 Bond Series 2
2027 Improvements

Owner: Bullock Creek School District
1420 Badour Road
Midland, Michigan 48640

Architect: THA Architects Engineers
817 E. Kearsley Street
Flint, Michigan 48503

Issue Date: November 2, 2026

GENERAL NOTES

The following are changes, clarifications, and additions made in specification and working drawings prior to receipt of bids and shall be noted by the Contractor responsible for the same. All of these items shall be considered part of the Contract Documents.

The general character of the work required by this addendum shall be the same as originally specified, and all incidentals required in connection with the work hereinafter described shall be included even though not specifically mentioned.

The Contractor shall be held responsible to include and adjust the work of all trades involved as required to complete the work described hereinafter. All bidders shall review Addendum as it alters the work shown on the drawings and specifications.

ITEMS INCLUDE

ALL PROJECTS

SPECIFICATION ITEMS

Item #1: Specification Section 08 71 00 Door Hardware sets 09 and 11 have been revised. Hardware set 11.1 has been added. See attached

Item #2: Specification Section 26 05 73 Power System Studies has been added. See attached.

GENERAL ITEM

Item #1: Revise Sheet G001 as follows:

a. Index of projects has been changed to remove Project 'C'. All work in Project 'C' has been deleted.

PROJECT 'A'

ARCHITECTURAL ITEMS

Item #A1: Revise Sheet A-G001 as follows:

a. Note has been changed at Composite Plan.
b. Applicable Codes and Ordinances have been changed.

Item #A2: Revise Sheet A-A101 as follows:

a. Several existing Water Closets in Wings 'A', 'B', 'D', and 'E' are to remain.
b. Existing Door leaf at Room A139 to be removed and replaced with a new Door panel A102.
c. One existing Drinking Fountain has been eliminated and corresponding Note changed on Enlarged Plan 5/A-A101.
d. Demolition Notes 2, 5, and 14 have been changed.
e. Note 5 has been changed to Note 14 on Enlarged Plan 4/A-A101.
f. Note 14 has been changed to Note 5 on Enlarged Plan 1/A-A101.
g. Demolition Note 16 has been added.

Item #A3: Revise Sheet A-A102 as follows:

a. Existing Door leaf at Room A139 to be removed and replaced with a new Door panel A102.
b. Several existing Water Closets in Wings 'A', 'B', 'D', and 'E' are to remain.

Item #A4: Revise Sheet A-A601 as follows:

a. Door and Frame Schedule changed to include Door A102.

MECHANICAL ITEM

Item #M1: Revise Sheet A-M102 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Plans.

PLUMBINF ITEMS

Item #P1: Revise Sheet A-P101 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Plans.
b. (FOR CLARIFICATION) Note to remove and reinstall two Water Closets in Women's Toilet A137 and one Water Closet in Men's Toilet A138 have been removed on Demolition and Plumbing Plans. Water Closets to remain in place.

Item #P2: Revise Sheet A-P102 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Demolition Plans.
b. (FOR CLARIFICATION) Note to remove and reinstall two Water Closets in Women's Toilet B111 and one Water Closet in Men's Toilet B112 have been removed on Demolition and Plumbing Plans. Water Closets to remain in place.

Item #P3: Revise Sheet A-P103 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Demolition Plans.
b. (FOR CLARIFICATION) Note to remove and reinstall three Water Closets in Men's Toilet D101 have been removed on Demolition and Plumbing Plans. Water Closets to remain in place.

Item #P4: Revise Sheet A-P104 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Demolition Plans.
b. (FOR CLARIFICATION) Note to remove and reinstall seven Water Closets in Women's Toilet E111 have been removed on Demolition and Plumbing Plans. Water Closets to remain in place.

Item #P5: Revise Sheet A-P105 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Demolition Plans.
b. Deleted existing drinking fountain and Note 10.

ELECTRICAL ITEMS

Item #E1: Revise Sheet A-E101 as follows:

a. Revised Notes for Bathrooms in 'A', 'B', and 'D', Wing Restrooms for light fixtures to be removed by others.
b. Revised Note for fire alarm devices to be removed.

Item #E2: Revise Sheet A-E102 as follows:

a. Removed Note for fire alarm relocation.
b. New fire alarm devices shown on Ceiling.
c. Removed reference to alternate for 'F' Wing Restrooms.

Item #E3: Revise Sheet A-E103 as follows:

a. Revised Notes for fire alarm devices to be removed.
b. Revised Note for connection of the hood to fire alarm control panel.
c. New fire alarm devices shown on Ceiling.

PROJECT 'B'

ARCHITECTURAL ITEMS

Item #A5: Revise Sheet B-G001 as follows:

a. Fire Separation Legend and Fire Separation Notes have been added.
b. Existing fire barriers have been added to Composite Plan.
c. Applicable Codes and Ordinances have been changed.

Item #A6: Revise Sheet B-A102 as follows:

a. Note 6 has been added to Demolition Ceiling Plan. At seven locations.
b. Note 6 has been added to Mezzanine Demolition Reflected Ceiling Plan. At two locations.
c. Note 7 has been eliminated from Mezzanine Reflected Ceiling Plan.

Item #A7: Revise Sheet B-A103 as follows:

a. Demolition Note 8 has been changed.
b. Note 14 has been added to Base Bid Enlarged Demolition Plan Rooms 222 and 225.
c. Note 17 is not used.
d. Note 20 has been added to Base Bid and Add Alternate #2 Enlarged Demolition Plans.
e. Note 20 has been added to Demolition Notes.
f. Note for door and frame removal has been changed on Base Bid Partial Mezzanine Demolition Plan 4/B-A103.

Item #A8: Revise Sheet B-A104 as follows:

a. Note to add painting to existing Stairwells has been added at two locations to Mezzanine Floor Plan.

Item #A9: Revise Sheet B-A105 as follows:

a. New Lay-in Ceiling has been added to Rooms 202, 203, 208, and 209. New Gypsum Ceiling has been added to Rooms 204, 205 and Mezzanine Stairwells.

Item #A10: Revise Sheet B-A106 as follows:

a. New Partial Roof Framing Plan has been added.
b. New walkway pads have been added.
c. New Details of Roof Framing at RTU curb have been added.
d. Construction Note 1 has been changed.

Item #A11: Revise Sheet B-A401 as follows:

a. Notes have been added to Gymnasium North and South Elevations.

Item #A12: Revise Sheet B-A601 as follows:

a. Room Finish Schedule has been changed.
b. Door 223B and 224B hardware has been changed.

MECHANICAL ITEMS

Item #M2: Revise Sheet B-M001 as follows:

a. Added Notes for installation of Rawal APR valves at condensing unit. Provide valves and field install at units.

Item #M3: Revise Sheet B-M101 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Plan.
b. General Note "ALL DUCTWORK INSULATION TO BE REMOVED BY OTHERS" added to Plan.
c. Added Note for relief hood to be removed on Roof in "Unit C", remaining ductwork to be abandoned in Ceiling Space.
d. Ductwork for Toilet Rooms in "Unit C" to be removed back to new connection point for exhaust discharge relocation.
e. Revised four Demolition Notes from Note 1 to 18 in "Unit B", added five Demolition Notes 19 in "Unit B" and one Demolition Note 20 in "Unit A".
f. Keyed Mechanical Demolition Notes revised. Notes 18,19 and 20 added, Notes 1, 2, 4, 5, 7, 12, and 15 revised.

Item #M4: Revise Sheet B-M102 as follows:

a. Keyed Mechanical Demolition Notes revised. Notes 18, 19 and 20 added, Notes 1, 2, 4, 5, 7, 12, and 15 revised.

Item #M5: Revise Sheet B-M103 as follows:

a. Duct size and thermostat location added for "UV-13".

Item #M6: Revise Sheet B-M104 as follows:

a. Duct sizes added for unit ventilators in "Unit B".

Item #M7: Revise Sheet B-M105 as follows:

a. Ductwork for Toilet Rooms extended for relocated discharge hood shown on B-M109. Return air ducts for Gymnasium shown on Plan.

Item #M8: Revise Sheet B-M106 as follows:

a. "RH-5" noted on Roof Plan and Note 17 added to relief hood location.
b. Boiler flue and intakes shown on Roof Plan.

Item #M9: Revise Sheet B-M108 as follows:

a. Keyed Mechanical Demolition Notes revised.

PLUMBING ITEM

Item #P6: Revise Sheet B-P102 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Plan.

ELECTRICAL ITEMS

Item #E4: Revise Sheet B-E101 as follows:

a. Added Note for remove and reinstall fire alarm devices on new ceiling for all spaces in scope of work.

Item #E5: Revise Sheet B-E102 as follows:

a. Added Note for remove and reinstall fire alarm devices on new ceiling for all spaces in scope of work.

Item #E6: Revise Sheet B-E103 as follows:

a. Added Note for remove and reinstall fire alarm devices on new ceiling for all spaces in scope of work.

Item #E7: Revise Sheet B-E108 as follows:

a. Note for AHU revised for connection to duct smoke detector.
b. Fire alarm devices shown throughout renovated spaces, (Locker Rooms, Toilet Rooms, and new Shower/Toilet Room).

Item #E8: Revise Sheet B-E110 as follows:

a. Added Note and devises at RTU for new duct smoke detectors.

PROJECT 'D'

ARCHITECTURAL ITEMS

Item #A13: Revise Sheet D-G001 as follows:

a. Fire Separation Legend and Fire Separation Notes have been added.
b. Existing fire barriers have been added to Composite Plan.
c. Applicable Codes and Ordinances have been changed.

Item #A14: Revise Sheet D-A100 as follows:

a. Demolition Note 12 has been changed.
b. Demolition Note 13 has been changed to Note 20 at Room B112 on Composite Demolition Plan.
c. Demolition Note 14 has been changed.
d. Demolition Notes 20 and 21 have been added.
e. Wood Door Frames at Doors B117, B118, B119, B120, B121, B122, B127, B128, B129, B130, B131, B132, B133, B134, B135 shall be removed and new Hollow Metal Door Frames provided.

Item #A15: Revise sheet D-A101 as follows:

a. Wood Door Frames at Doors B117, B118, B119, B120, B121, B122, B127, B128, B129, B130, B131, B132, B133, B134, B135 shall be removed and new Hollow Metal Door Frames provided.

Item #A16: Revise Sheet D-A102 as follows:

a. Note on Enlarged Plan 1/D-A102 has been changed.

Item #A17: Revise Sheet D-A103 as follows:

a. Construction Note 11 has been added.
b. Note 11 has been added to Room A141 on Partial Reflected Ceiling Plan.
c. Note 21 has been added to Partial Demolition Plan 2/D-A103.
d. Demolition Notes 20 and 21 have been added to Demolition Keynotes.

Item #A18: Revise Sheet D-A601 as follows:

a. Door and Frame Schedule changed to include changes to Doors B117, B118, B119, B120, B121, B122, B127, B128, B129, B130, B131, B132, B133, B134, B135.
b. Door A142 hardware has been changed.

MECHANCIAL ITEMS

Item #M10: Revise Sheet D-M001 as follows:

a. Added Notes for installation of Rawal APR valves at condensing unit. Provide valves and field install at unit.

Item #M11: Revise Sheet D-M101 as follows:

a. Note "PIPING INSULATION TO BE REMOVED BY OTHERS AT NEW VALVE LOCATION" added at seven locations on Plan.

Item #M12: Revise Sheet D-M103 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Demolition Plan.

PLUMBING ITEM

Item #P7: Revise Sheet D-P101 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Demolition Plan.

PROJECT 'E'

ARCHITECTURAL ITEMS

Item #A19: Revise Sheet E-G001 as follows:

a. Applicable Codes and Ordinances have been changed.

Item #A20: Revise Sheet E-A101 as follows:

a. Note on Demolition Plan 5/E-A101 has been changed.
b. Demolition Note 2 has been changed.

Item #A21: Revise Sheet E-A103 as follows:

a. New walkway pads have been provided on Roof Plan.

Item #A22: Revise Sheet E-A501 as follows:

a. Detail 5/E-A501 has been changed.

MECHANCIAL ITEMS

Item #M13: Revise Sheet E-M101 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Plans.

Item #M14: Revise Sheet E-M102 as follows:

a. General Note "ALL PIPING INSULATION TO BE REMOVED BY OTHERS" added to Plan.

ELECTRICAL ITEM

Item #E9: Revise Sheet E-E102 as follows:

a. Added exit sign on existing side of new Addition.
b. Revised location of hood exhaust and Note. Keynote revised to provide connection to hood controller from fire alarm control panel.

THA ARCHITECTS ENGINEERS

Joshua Steere, AIA
Project Manager

JESS/lab

cc: THA File

P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Bid Documents\Addendums\Add--1\Add-1--2026 1102--.Docx

Hardware Group No. 09

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	ENTRY / OFFICE LOCK	MA541L DG	626	FAL
1	EA	CYLINDER	(MATCH EXISTING SYSTEM)	626	
1	EA	SURFACE CLOSER	4050A CUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

WHERE CONDITIONS ALLOW, PROVIDE AND INSTALL 4050A EDA CLOSER AND A WALL STOP IN LIEU OF THE 4050A CUSH CLOSER.

Hardware Group No. 11

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	ENTRY / OFFICE LOCK	MA541L DG	626	FAL
1	EA	CYLINDER	(MATCH EXISTING SYSTEM)	626	
1	EA	OH STOP	90S	652	GLY

Hardware Group No. 11.1

EACH TO HAVE:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	ENTRY / OFFICE LOCK	MA541L DG	626	FAL
1	EA	CYLINDER	(MATCH EXISTING SYSTEM)	626	
1	EA	OH STOP	90S	652	GLY
1	EA	SURFACE CLOSER	4050A RW/PA (MOUNT PULL SIDE)	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

SECTION 26 05 73
POWER SYSTEM STUDIES

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 26 05 53 - Identification for Electrical Systems: Additional requirements for arc flash hazard warning labels.

1.02 REFERENCE STANDARDS

A. ANSI Z535.4 - American National Standard for Product Safety Signs and Labels; 2023.

B. IEEE 141 - IEEE Recommended Practice for Electric Power Distribution for Industrial Plants; 1993 (Reaffirmed 1999).

C. IEEE 242 - IEEE Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems; 2001, with Errata (2003).

D. IEEE 399 - IEEE Recommended Practice for Industrial and Commercial Power Systems Analysis; 1997.

E. IEEE 551 - IEEE Recommended Practice for Calculating Short-Circuit Currents in Industrial and Commercial Power Systems; 2006.

F. NEMA MG 00001 - Motors and Generators; 2024.

G. NETA ATS - Standard for Acceptance Testing Specifications for Electrical Power Equipment And Systems; 2025.

H. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

I. NFPA 70E - Standard for Electrical Safety in the Workplace; 2027.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Coordinate the work to provide equipment and associated protective devices complying with criteria for selection and adjustment, as determined by studies to be performed.

B. Sequencing:
   1. Submit study reports prior to or concurrent with product submittals.
   2. Do not order equipment until matching study reports and product submittals have both been evaluated by Design Professional.

1.04 SUBMITTALS

A. See Construction Manager’s General Requirements for submittals procedures.

B. Study reports, stamped or sealed and signed by study preparer.

C. Study Report: Submit protective device studies as specified, prior to submission of product data submittals or ordering or fabrication of protective devices.
   1. Include stamp or seal and signature of preparing engineer.

D. Field Engineer Qualifications.

E. Field quality control reports.

1.05 POWER SYSTEM STUDIES

A. Scope of Studies:
   1. Except where study descriptions below indicate exclusions, analyze system at each bus from primary protective devices of utility source down to each piece of equipment involved, including parts of system affecting calculations being performed (e.g. fault current contribution from motors).
   2. Include in analysis alternate sources and operating modes (including known future configurations) to determine worst case conditions.

B. General Study Requirements:
   1. Comply with NFPA 70.
   2. Perform studies utilizing computer software complying with specified requirements; manual calculations are not permitted.

C. Data Collection:
   1. Compile information on project-specific characteristics of actual installed equipment, protective devices, feeders, etc. as necessary to develop single-line diagram of electrical distribution system and associated input data for use in system modeling.
      a. Utility Source Data: Include primary voltage, maximum and minimum three-phase and line-to-ground fault currents, impedance, X/R ratio, and primary protective device information.
         1) Obtain up-to-date information from Utility Company.
      b. Generators: Include manufacturer/model, kW and voltage ratings, and impedance.
      c. Motors: Include manufacturer/model, type (e.g. induction, synchronous), horsepower rating, voltage rating, full load amps, and locked rotor current or NEMA MG 00001 code letter designation.
      d. Transformers: Include primary and secondary voltage ratings, kVA rating, winding configuration, percent impedance, and X/R ratio.
      e. Protective Devices:
         1) Circuit Breakers: Include manufacturer/model, type (e.g. thermal magnetic, electronic trip), frame size, trip rating, voltage rating, interrupting rating, available field-adjustable trip response settings, and features (e.g. zone selective interlocking).
         2) Fuses: Include manufacturer/model, type/class (e.g. Class J), size/rating, and speed (e.g. time delay, fast acting).
      f. Protective Relays: Include manufacturer/model, type, settings, current/potential transformer ratio, and associated protective device.
      g. Conductors: Include feeder size, material (e.g. copper, aluminum), insulation type, voltage rating, number per phase, raceway type, and actual length.

D. Short-Circuit Study:
   1. Comply with IEEE 551 and applicable portions of IEEE 141, IEEE 242, and IEEE 399.
   2. For purposes of determining equipment short circuit current ratings, consider conditions that may result in maximum available fault current, including but not limited to:
      a. Maximum utility fault currents.
      b. Maximum motor contribution.
      c. Known operating modes (e.g. utility as source, generator as source, utility/generator in parallel, bus tie breaker open/close positions).
   3. For each bus location, calculate the maximum available three-phase bolted symmetrical and asymmetrical fault currents. For grounded systems, also calculate the maximum available line-to-ground bolted fault currents.

E. Study Reports:
   1. General Requirements:
      a. Identify date of study and study preparer.
      b. Identify study methodology and software product(s) used.
      c. Identify scope of studies, assumptions made, implications of possible alternate scenarios, and any exclusions from studies.
      d. Identify base used for per unit values.
      e. Include single-line diagram and associated input data used for studies; identify buses on single-line diagram as referenced in reports, and indicate bus voltage.
      f. Include conclusions and recommendations.
   2. Short-Circuit Study:
      a. For each scenario, identify at each bus location:
         1) Calculated maximum available symmetrical and asymmetrical fault currents (both three-phase and line-to-ground where applicable).
         2) Fault point X/R ratio.
         3) Associated equipment short circuit current ratings.
      b. Identify locations where the available fault current exceeds the equipment short circuit current rating, along with recommendations.

1.06 QUALITY ASSURANCE

A. Computer Software for Study Preparation: Use the latest edition of commercially available software utilizing specified methodologies.

B. Contractor Responsibility: Provide all project-related data needed by study preparer, including equipment, wire sizes, insulation types, conduit types, and actual circuit lengths.

C. Owner's Responsibility: Provide data on relevant Owner power distribution equipment.

PART 2 PRODUCTS

2.01 ARC FLASH HAZARD WARNING LABELS

A. Provide warning labels complying with ANSI Z535.4 to identify arc flash hazards for each work location analyzed by the arc flash and shock risk assessment.
   1. Materials: Comply with Section 26 05 53.
   2. Legend: Provide custom legend in accordance with NFPA 70E based on equipment-specific data as determined by arc flash and shock risk assessment.a. Include the following information:1) Arc flash boundary.2) Available incident energy and corresponding working distance.3) Nominal system voltage.2.02 PROTECTIVE DEVICESA. Provide protective devices of ratings and settings as required so that the protective deviceclosest to the fault will open first.B. In addition to requirements specified elsewhere, provide overcurrent protective devices havingratings and settings in accordance with results of this analysis.

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

A. See Construction Manager’s General Requirements for additional requirements.

B. Inspect and test in accordance with NETA ATS, except Section 4.

C. Adjust equipment and protective devices for compliance with studies and recommended settings.

D. Notify Design Professional of any conflicts with or deviations from studies. Obtain direction before proceeding.

E. Provide the services of a qualified field engineer and necessary tools and equipment to test, calibrate, and adjust the installed protective devices to conform to requirements determined by the coordination analysis.

F. Adjust installed protective devices having adjustable settings to conform to requirements determined by the coordination analysis.

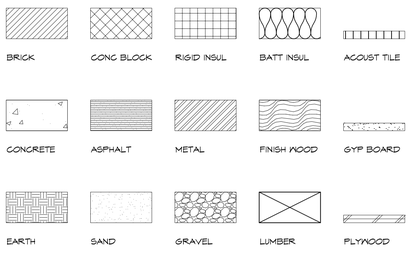
G. Submit report showing final adjusted settings of all protective devices.

END OF SECTION

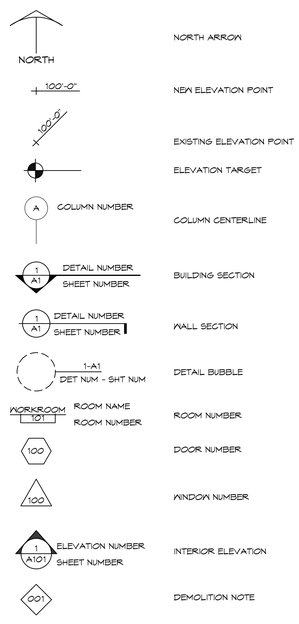
STANDARD ABBREVIATIONS

@	at
A/C	air conditioning
ACOUST	acoustical
AD	adjustable
AFF	above finish floor
ALT	alternate
ALUM	aluminum
ANCH	anchor, anchorage
ARCH	architect/architectural
BD	board
BIT	bituminous
BLDG	building
BLK	block
BLKG	blocking
BM	bench mark
BOTT	bottom
BRG	bearing
BSMT	basement
C/C	center to center
CAB	cabinet
CB	chalkboard/catch basin
CEM	cement
CER	ceramic
CF	cubic foot
CHWR	chilled water return
CHWS	chilled water supply
CI	cast iron
CJ	control joint
CLG	ceiling
CMU	concrete masonry unit
CO	clean out
COL	column
CONC	concrete
CONST	construction
CONT	continuous/continuing
CONTR	contract/contractor
CONV	convector
CRS	course(s)
CT	ceramic tile
CUH	cabinet unit ventilator
CW	domestic cold water
CY	cubic yard
°	degree
DET	detail
DF	drinking fountain
DIAG	diagonal
DIA or Ø	diameter
DIM	dimension
DIV	division
DP	dampproofing
DS	downspout
DWG	drawing
EA	each
EIFS	exterior insulation finish system (synthetic plaster)
ELEC	electric/electrical
EQ	equal
EQUIP	equipment
EWC	electric water cooler
EXIST	existing
EXH	exhaust
EXT	exterior
FA	fire alarm
FAI	fresh air intake
FD	floor drain
FE	fire extinguisher
FEC	fire extinguisher cabinet
FIN	finish(ed)
FL	floor(ing)
FOUND	foundation
FTR	fin tube radiation
FTG	footing
G	gas
GA	gage/gauge
GC	general contractor
GI	galvanized iron
GL	glass/glazing
GST	glazed structural tile
GALV	galvanized
HB	hose bibb
HDW	hardware
HM	hollow metal
HORIZ	horizontal
HGT	height
HTG	heating
HVAC	heating/ventilating/air conditioning
HW	domestic hot water
HWHR	hot water heating return
HWHS	hot water heating supply
HWR	domestic hot water return
ID	inside dimension
INT	interior
INV	invert
KO	knockout
LAM	laminate
LAV	lavatory
LH	left hand
LL	live load
LLH	long leg horizontal
LLV	long leg vertical
LTWT	light weight
MB	markerboard
MAS	masonry
MAX	maximum
MECH	mechanic/mechanical
MET	metal
MH	manhole
MIN	minimum
MISC	miscellaneous
MO	masonry opening
MCJ	masonry control joint
MT	metal threshold
MULL	mullion
NIC	not in contract
NO	number
NOM	nominal
NRC	noise reduction coefficient
NTS	not to scale
O/O	out to out
OA	overall
OC	on center
OD	outside diameter
OPG	opening
OPP	opposite
PCF	pounds per cubic foot
PLAS	plaster
±	plus or minus
PLF	pounds per lineal foot
PSF	pounds per square foot
PSI	pounds per square inch
PART	partition
PVC	polyvinyl chloride
PMT	pavement
R	riser/radius
RA	return air
RD	roof drain
REF.	reference
REF	refrigerator
REINF	reinforce(d)/reinforcing
RES	resilient
REV	revision(s)/revised
RH	right hand
RM	room
RO	rough opening
ROW	right of way
RS	roof sump
RWC	rainwater conductor
SAN	sanitary
SD	storm drain
SECT	section
SHT	sheet
SIM	similar
SPEC	specification(s)
SQ	square
SS	service sink
SST	stainless steel
STL	steel
STD	standard
SUSP	suspended
SYM	symetry/symmetrical
T&G	tongue/groove
T	tread
TB	tackboard
TEL	telephone
TERR	terrazzo
THR	threshold
TV	television
TYP	typical
UH	unit heater
UR	urinal
UV	unit ventilator
V	vent
VERT	vertical
W	width/wide
W/	with
WC	water closet
WD	wood
WH	water heater
WI	wrought iron
W/O	wall to wall
WWR	welded wire reinforcement

HATCHING PATTERN KEY



SYMBOLS KEY



BULLOCK CREEK SCHOOL DISTRICT
2023 BOND SERIES 2 2027 IMPROVEMENTS
THA PROJECT #26-210

1420 SOUTH BADOUR ROAD MIDLAND MI 48640

BULLOCK CREEK SCHOOL DISTRICT
ADDITIONS AND RENOVATIONS TO:

INDEX OF PROJECTS

PROJECT A
BULLOCK CREEK HIGH SCHOOL
1420 SOUTH BADOUR ROAD
MIDLAND, MI 48640

PROJECT B
BULLOCK CREEK MIDDLE SCHOOL
664 SOUTH BADOUR ROAD
MIDLAND, MI 48640

~~PROJECT C~~
~~BULLOCK CREEK ELEMENTARY SCHOOL~~
~~1037 SOUTH POSEYVILLE ROAD~~
~~MIDLAND, MI 48640~~

PROJECT D
FLOYD ELEMENTARY SCHOOL
725 SOUTH EIGHT MILE ROAD
MIDLAND, MI 48640

PROJECT E
PINE RIVER ELEMENTARY SCHOOL
1894 PINE RIVER ROAD
MIDLAND, MI 48640

LIST OF ALTERNATES:

MS:

1. ADD ALTERNATE TO INCLUDE LIGHTING REPLACEMENT IN STORAGE ROOMS ADJACENT TO CLASSROOMS AND LIGHTING REPLACEMENT IN THE OFFICE AREA.
2. ADD ALTERNATE TO REMOVE AND REPLACE EXISTING LOCKERS IN LIEU OF PAINTING EXISTING LOCKERS.

FLOYD:

1. ADD ALTERNATE TO SAND AND REPAINT EXISTING LOCKERS IN EAST CLASSROOM WING.

ARCHITECT / MECHANICAL ENGINEERING:
THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

THA ARCHITECTS ENGINEERS
817 E. KEARSLEY ST.
FLINT, MICHIGAN
(810) 767-5600

STRUCTURAL ENGINEERING:
robert darvas associates
consulting structural engineers

ROBERT DARVAS ASSOCIATES
440 S. MAIN ST.
ANN ARBOR, MICHIGAN
(734) 761-8713

ELECTRICAL ENGINEERING:
MATRIX CONSULTING ENGINEERS, INC.

MATRIX CONSULTING ENGINEERS, INC
544 CHERBOURG DRIVE
LANSING, MICHIGAN
(517) 487-2511

CONSTRUCTION MANAGEMENT:
Wolgast CORPORATION

WALGAST CORPORATION
4835 TOWNE CENTER RD STE 203
SAGINAW, MICHIGAN
(989) 790-9120

THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

BULLOCK CREEK SCHOOL DISTRICT
1420 SOUTH BADOUR ROAD MIDLAND, MI 48640
BULLOCK CREEK SCHOOL DISTRICT
ADDITIONS AND RENOVATIONS

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

SEAL	DRAWN EVA	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. G001
	REVIEWED MLB	DRAWING NO. G001
	DATE OCT 19, 2026	SHEET NO. 1 OF 1
	SCALE 1'-0" = 1'-0"	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\G001 MASTER TITLE SHE
Plot date: 10/30/2026 9:25 AM

STANDARD ABBREVIATIONS

@	at	KO	knockout
A/C	air conditioning		
ACOUST	acoustical	LAM	laminate
AD	adjustable	LAV	lavatory
AFF	above finish floor	LH	left hand
ALT	alternate	LL	live load
ALUM	aluminum	LLH	long leg horizontal
ANCH	anchor, anchorage	LLV	long leg vertical
ARCH	architect/architectural	LTWT	light weight
BD	board		
BIT	bituminous	MB	markerboard
BLDG	building	MAS	masonry
BLK	block	MAX	maximum
BLKG	blocking	MECH	mechanic/mechanical
BM	bench mark	MET	metal
BOTT	bottom	MH	manhole
BRG	bearing	MIN	minimum
BSMT	basement	MISC	miscellaneous
		MO	masonry opening
C/C	center to center	MCJ	masonry control joint
CAB	cabinet	MT	metal threshold
CB	chalkboard/catch basin	MULL	mullion
CEM	cement		
CER	ceramic	NIC	not in contract
CF	cubic foot	NO	number
CHWR	chilled water return	NOM	nominal
CHWS	chilled water supply	NRC	noise reduction coefficient
CI	cast iron	NTS	not to scale
CJ	control joint		
CLG	ceiling	O/O	out to out
CMU	concrete masonry unit	OA	overall
CO	clean out	OC	on center
COL	column	OD	outside diameter
CONC	concrete	OPG	opening
CONST	construction	OPP	opposite
CONT	continuous/continuing	PCF	pounds per cubic foot
CONTR	contract/contractor	PLAS	plaster
CONV	convector	±	plus or minus
CRS	course(s)	PLF	pounds per lineal foot
CT	ceramic tile	PSF	pounds per square foot
CUH	cabinet unit ventilator	PSI	pounds per square inch
CW	domestic cold water	PART	partition
CY	cubic yard	PVC	polyvinyl chloride
		PMT	pavement
°	degree		
DET	detail		
DF	drinking fountain	R	riser/radius
DIAG	diagonal	RA	return air
DIA or Ø	diameter	RD	roof drain
DIM	dimension	REF.	reference
DIV	division	REF	refrigerator
DP	dampproofing	REINF	reinforce(d)/reinforcing
DS	downspout	RES	resilient
DWG	drawing	REV	revision(s)/revised
		RH	right hand
		RM	room
EA	each	RO	rough opening
EIFS	exterior insulation finish system (synthetic plaster)	ROW	right of way
		RS	roof sump
ELEC	electric/electrical	RWC	rainwater conductor
EQ	equal		
EQUIP	equipment	SAN	sanitary
EWC	electric water cooler	SD	storm drain
EXIST	existing	SECT	section
EXH	exhaust	SHT	sheet
EXT	exterior	SIM	similar
		SPEC	specification(s)
FA	fire alarm	SQ	square
FAI	fresh air intake	SS	service sink
FD	floor drain	SST	stainless steel
FE	fire extinguisher	STL	steel
FEC	fire extinguisher cabinet	STD	standard
FIN	finish(ed)	SUSP	suspended
FL	floor(ing)	SYM	symmetry/symmetrical
FOUND	foundation		
FTR	fin tube radiation	T&G	tongue/groove
FTG	footing	T	tread
		TB	tackboard
G	gas	TEL	telephone
GA	gage/gauge	TERR	terrazzo
GC	general contractor	THR	threshold
GI	galvanized iron	TV	television
GL	glass/glazing	TYP	typical
GST	glazed structural tile		
GALV	galvanized	UH	unit heater
		UR	urinal
HB	hose bibb	UV	unit ventilator
HDW	hardware		
HM	hollow metal	V	vent
HORIZ	horizontal	VERT	vertical
HGT	height		
HTG	heating	W	width/wide
HVAC	heating/ventilating/air conditioning	WV	with
HW	domestic hot water	WC	water closet
HWHR	hot water heating return	WD	wood
HWHS	hot water heating supply	WH	water heater
HWR	domestic hot water return	WI	wrought iron
		W/W	wall to wall
ID	inside dimension	WWR	welded wire reinforcement
INT	interior		
INV	invert		

HATCHING PATTERN KEY

BRICK · CONC BLOCK · RIGID INSUL · BATT INSUL · ACOUST TILE

CONCRETE · ASPHALT · METAL · FINISH WOOD · GYP BOARD

EARTH · SAND · GRAVEL · LUMBER · PLYWOOD

GENERAL NOTES

ANY PENETRATIONS OF CORRIDOR WALLS MUST MAINTAIN 1-HOUR FIRE RATING AND RESIST THE PASSAGE OF SMOKE

SYMBOLS KEY

NORTH — NORTH ARROW

100'-0" — EXISTING ELEVATION POINT

100'-0" — NEW ELEVATION POINT

ELEVATION TARGET

A — COLUMN NUMBER — COLUMN CENTERLINE

1 / A1 — DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

1 / A1 — DETAIL NUMBER / SHEET NUMBER — WALL SECTION

1-A1 — DET NUM - SHT NUM — DETAIL BUBBLE

WORKROOM 101 — ROOM NAME / ROOM NUMBER — ROOM NUMBER

100 — DOOR NUMBER

100 — WINDOW NUMBER

1 / A101 — ELEVATION NUMBER / SHEET NUMBER — INTERIOR ELEVATION

001 — DEMOLITION NOTE

DEVELOPMENT DATA

APPLICABLE CODES & ORDINANCES
- 2021 MICHIGAN REHABILITATION CODE
  - ALTERATIONS LEVEL 2
- 2021 MICHIGAN BUILDING CODE
- 2021 MICHIGAN MECHANICAL CODE
- 2021 MICHIGAN PLUMBING CODE
- 2023 MICHIGAN ELECTRICAL CODE
- NFPA 101 LIFE SAFETY CODE 1997 AS ADOPTED BY MICHIGAN BUREAU OF FIRE SAFETY

BUILDING USE
EXISTING: E, EDUCATION

BUILDING CONSTRUCTION TYPE
TYPE II-B (0,0,0)

BUILDING AREA
EXISTING GROSS AREA = 146,800 SF

BUILDING OCCUPANCY
TOTAL DESIGN OCCUPANT LOAD: 1615
WEIGHT ROOM, GYM & AUDITORIUM ARE NON-SIMULTANEOUS USE

TOTAL FIXTURE COUNT REQUIRED:

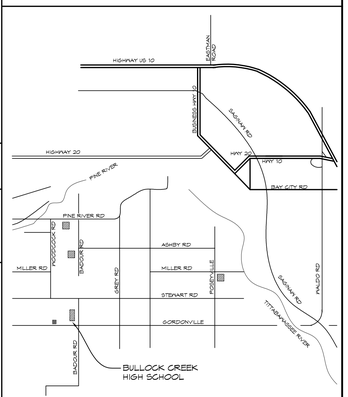
	UNI-SEX	MEN'S	WOMEN'S
TOILETS:	-	17	17
LAVATORIES:	-	17	17

TOTAL FIXTURE COUNT EXISTING:

	UNI-SEX	MEN'S	WOMEN'S
TOILETS (URINALS)	9	22 (29)	44
LAVATORIES:	9	25	26

TOTAL FIXTURE COUNT PROPOSED:

	UNI-SEX	MEN'S	WOMEN'S
TOILETS (URINALS):	9	19 (25)	39
LAVATORIES:	9	25	26



NORTH — NO SCALE — LOCATION MAP

BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT #26-210

1420 SOUTH BADOUR ROAD MIDLAND MI 48640

PROJECT 'A'
RENOVATIONS TO:
BULLOCK CREEK HIGH SCHOOL

1420 SOUTH BADOUR ROAD MIDLAND MI 48640

INDEX OF DRAWINGS

A-G001 TITLE SHEET

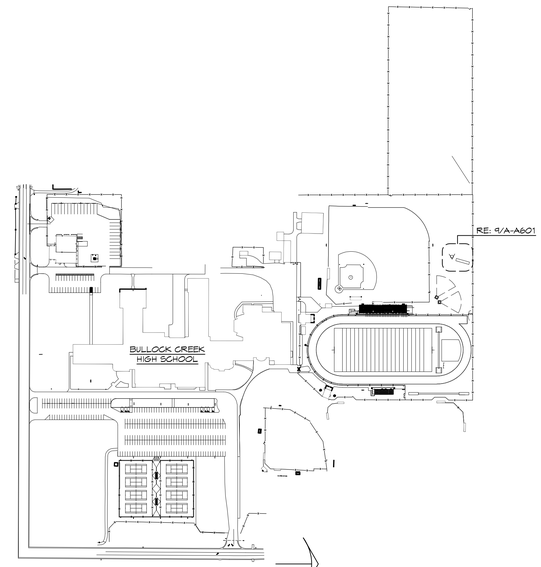
A-A100 COMPOSITE FLOOR PLAN
A-A101 TOILET ROOM DEMOLITION PLANS
A-A102 TOILET ROOM ENLARGED PLANS
A-A103 TOILET ROOM REFLECTED CEILING PLANS
A-A104 ENLARGED PLANS

A-A601 DOOR SCHEDULE, ROOM FINISH SCHEDULE, & DETAILS

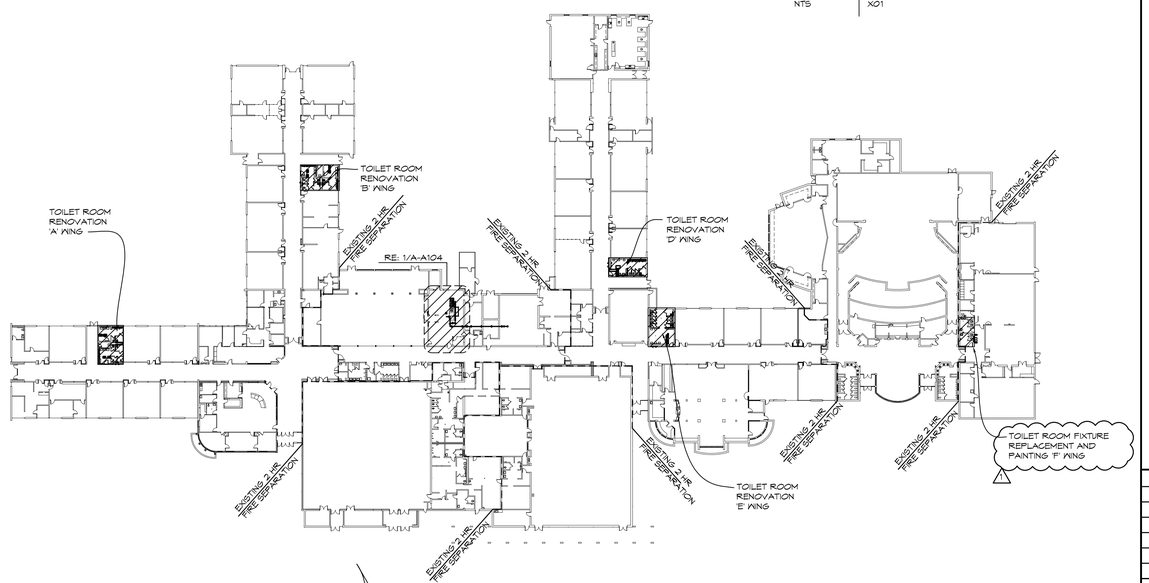
A-M001 MECHANICAL SCHEDULES
A-M101 MECHANICAL TOILET ROOM ENLARGED PLUMBING PLANS
A-M102 MECHANICAL ENLARGED FLOOR PLANS

A-P101 'A' WING ENLARGED TOILET ROOM PLUMBING PLANS
A-P102 'B' WING ENLARGED TOILET ROOM PLUMBING PLANS
A-P103 'D' WING ENLARGED TOILET ROOM PLUMBING PLANS
A-P104 'E' WING ENLARGED TOILET ROOM PLUMBING PLANS
A-P105 'F' WING ENLARGED TOILET ROOM PLUMBING PLANS

A-E000 ELECTRICAL COVER SHEET
A-E101 TOILET ROOM ELECTRICAL DEMOLITION PLANS
A-E102 TOILET ROOM ELECTRICAL PLANS
A-E103 KITCHEN ELECTRICAL PLANS
A-E601 ELECTRICAL DETAILS AND SCHEDULES



NORTH — NTS — XO1 — SITE PLAN



NORTH — NTS — XO1 — COMPOSITE PLAN

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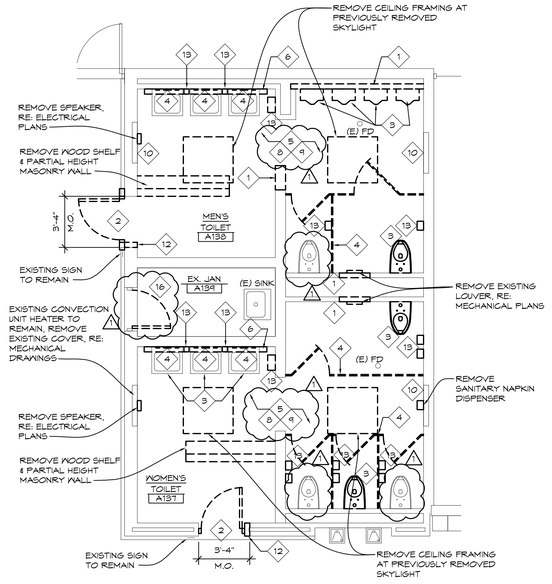
PROJECT 'A'

BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT# 26-210
1420 SOUTH BADOUR ROAD MIDLAND MI 48640

PROJECT 'A'
RENOVATIONS TO:
BULLOCK CREEK HIGH SCHOOL
1420 SOUTH BADOUR ROAD MIDLAND MI 48640

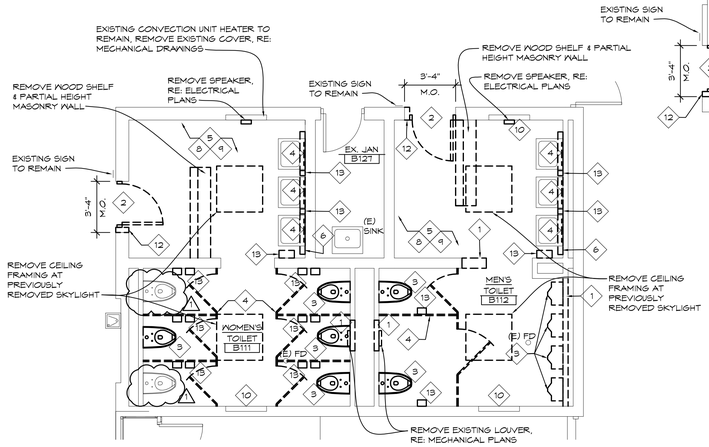
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1	ADDENDUM #1	11/02/26

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	CHECKED JESS	CAD FILE NO. A-G001
	REVIEWED MLB	DRAWING NO. A-G001
	DATE OCT 14, 2026	SHEET NO. 1 OF 20
	SCALE N.T.S.	



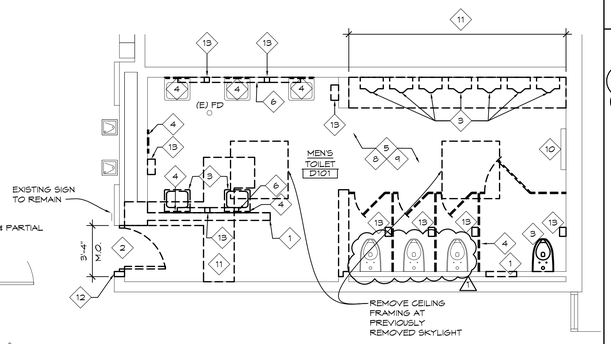
1 'A' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | X01



2 'B' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | X01



3 'D' WING TOILET ROOM ENLARGED PLAN

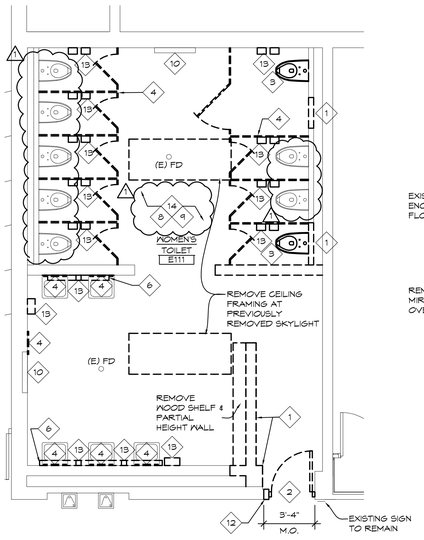
1/4" = 1'-0" | X01

DEMOLITION NOTES

1. REMOVE PORTION OF EXISTING MASONRY WALL ASSEMBLY
2. WOOD DOOR AND HOLLOW METAL FRAME ASSEMBLY TO BE REMOVED BY OTHERS. REMOVE SECURITY BOOT, STORAGE CASE, AND IN-FLOOR SLEEVE AND SALVAGE FOR RE-INSTALLATION.
3. REMOVE EXISTING PLUMBING FIXTURES, SALVAGE FOR REINSTALLATION
4. REMOVE TOILET PARTITIONS, GRAB BARS, MIRRORS. SALVAGE MIRRORS.
5. EXISTING PLYWOOD OR LAY-IN CEILING ASSEMBLY INCLUDING ALL FRAMING, GRID, CEILING MOUNTED LIGHTING, STROBES, SENSORS ETC. TO BE REMOVED BY OTHERS. EXISTING PLASTER CEILING ABOVE TO BE REMOVED BY OTHERS.
6. REMOVE WALL MOUNTED LIGHT FIXTURE
7. REMOVE EXISTING PLUMBING FIXTURE, EXISTING WALL BRACKET TO REMAIN
8. EXISTING TERRAZZO FLOORING TO REMAIN
9. EXISTING COVED QUARRY TILE WALL BASE TO REMAIN
10. EXISTING CONVECTION UNIT HEATER TO REMAIN. REMOVE UNIT COVER, PREP FOR PAINT, RE: MECHANICAL PLANS
11. SAW CUT AND REMOVE PORTION OF EXISTING TERRAZZO FLOORING AND CONCRETE SUBFLOOR AS REQUIRED FOR NEW UNDER FLOOR PLUMBING, RE: PLUMBING DRAWINGS
12. SAW CUT AND REMOVE PORTION OF EXISTING MASONRY WALL AS REQUIRED FOR NEW DOOR FRAME ASSEMBLY. EXISTING MASONRY LINTEL ABOVE TO REMAIN, REMOVE & REINSTALL EXISTING WOOD TRIM ABOVE DOOR HEAD AS REQUIRED (PAINT TO MATCH EXISTING)
13. REMOVE EXISTING TOILET PAPER DISPENSERS, SOAP DISPENSERS, AND PAPER TOWER DISPENSERS. SALVAGE FOR REINSTALLATION, TURN OVER EXTRAS TO OWNER.
14. REMOVE EXISTING CEILING ASSEMBLY INCLUDING ALL CEILING MOUNTED LIGHTING, STROBES, SENSORS ETC.
15. REMOVE EXISTING FLOOR TILE
16. EXISTING DOOR PANEL TO BE REMOVED BY OTHERS, EXISTING FRAME TO REMAIN.

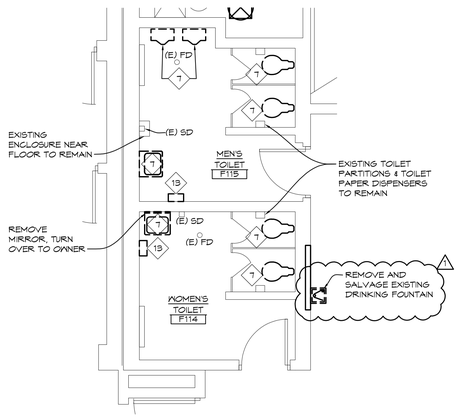
DEMOLITION GENERAL NOTES

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
2. OWNER HAS FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND EQUIPMENT BEING REMOVED
3. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS REQUIRED OF THESE AND OTHER TRADES.
4. REPAIR ALL WALLS, FLOORS AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES.
5. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING AND DISCONNECTING ALL INCIDENTAL ITEMS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND IT'S ELEMENTS.
7. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS OF THE BUILDING DURING CONSTRUCTION TO PREVENT DAMAGE, INCLUDING WEATHERPROOFING AT ALL OPENINGS.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWING TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES ASA REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN.
9. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
10. REFER TO SHEET A602 FOR GENERAL NOTES REGARDING DEMOLITION AND NEW CONSTRUCTION
11. CONTRACTOR TO FIELD VERIFY ALL EXISTING MOUNTING BRACKETS TO BE REUSED AND NOTIFY DESIGN PROFESSIONAL OF ANY DEFICIENCY



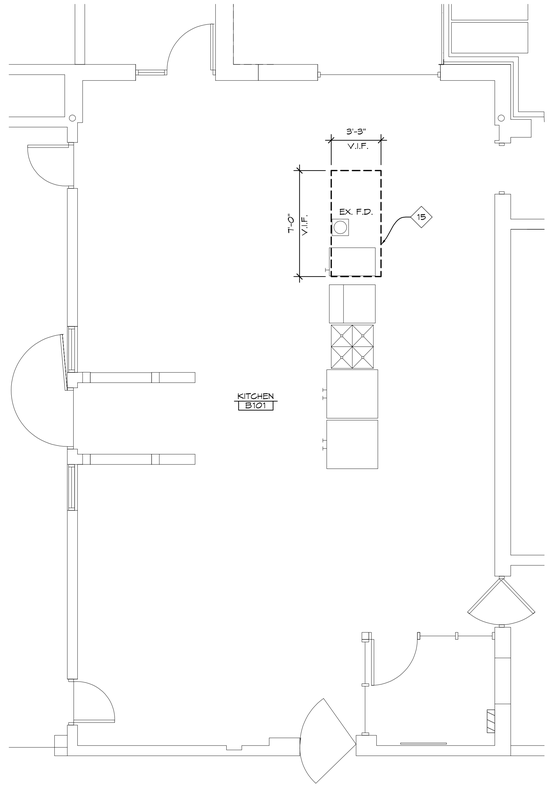
4 'E' WING TOILET ROOM ENLARGED PLAN

1/4" = 1'-0" | X01



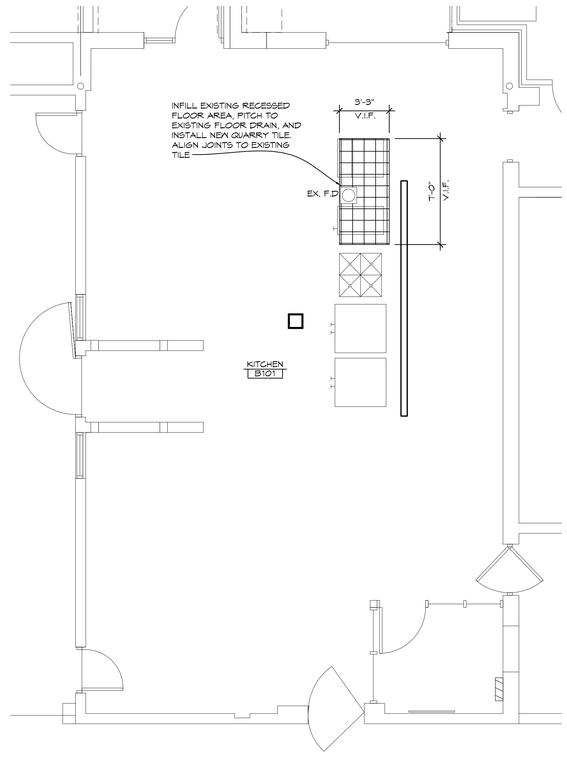
5 'F' WING TOILET ROOMS ENLARGED PLAN

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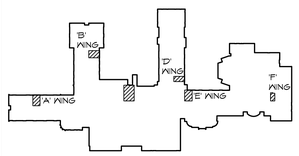
6 KITCHEN DEMOLITION PLAN

1/4" = 1'-0" | X01



7 KITCHEN PROPOSED PLAN

1/4" = 1'-0" | X01



NORTH

KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

1420 SOUTH BADOUR ROAD
MIDLAND, MI

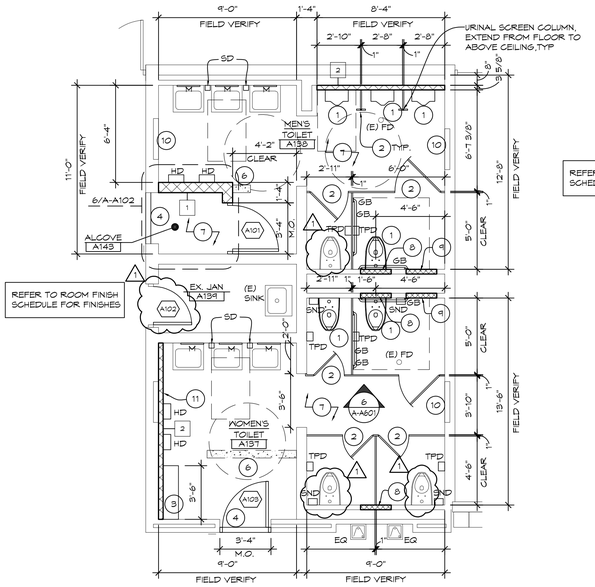
DRAWING TITLE

TOILET ROOM DEMOLITION PLANS

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	CHECKED JESS	CAD FILE NO. A-A101
	REVIEWED MLB	DRAWING NO. A-A101
	DATE OCT 19, 2026	SHEET NO. 3 OF 20
	SCALE AS NOTED	

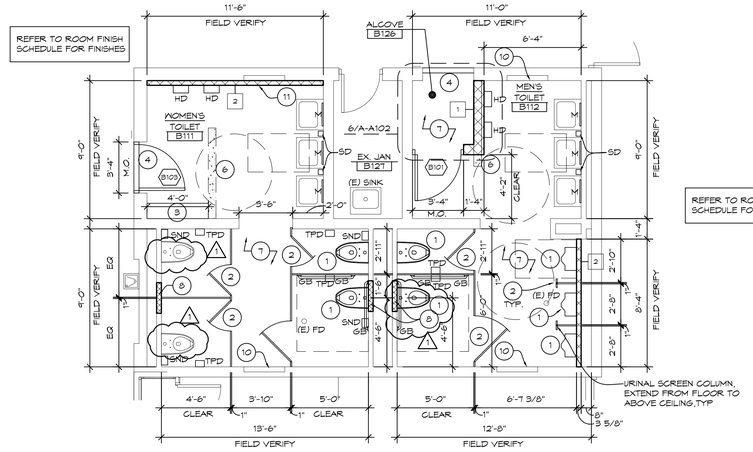
PROJECT 'A'

THA Architects Engineers - P:\Bullock Creek\26x210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC HS-A-A101 DEMOL
Plot date: 10/30/2026 9:01 AM



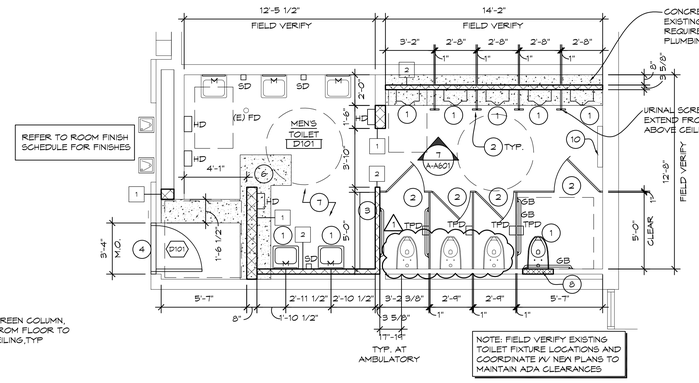
1 'A' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | XO1



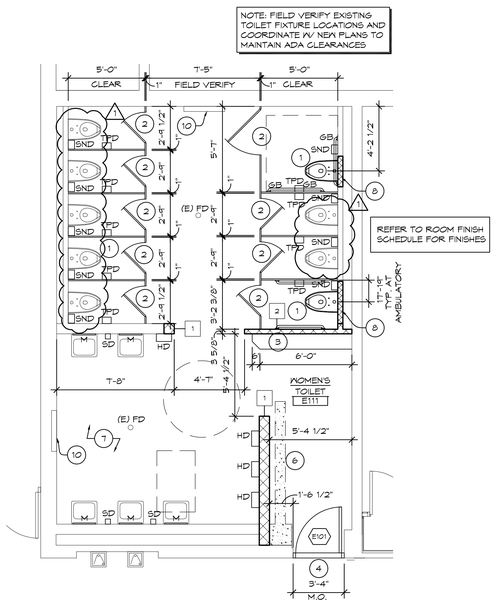
2 'B' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | XO1



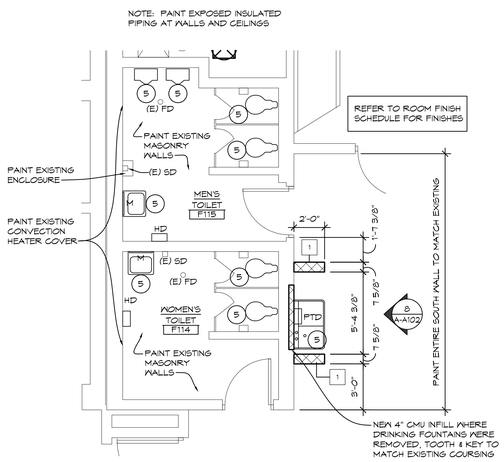
3 'D' WING TOILET ROOM ENLARGED PLAN

1/4" = 1'-0" | XO1



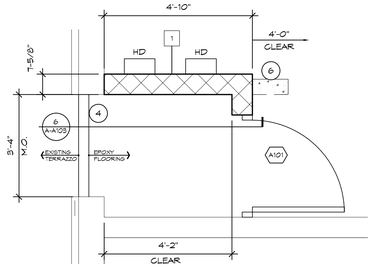
4 'E' WING TOILET ROOM ENLARGED PLAN

1/4" = 1'-0" | XO1



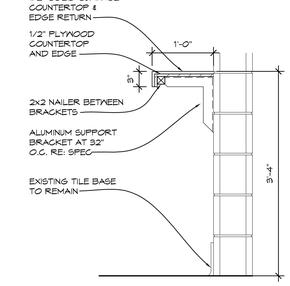
ADD ALTERNATE #1 5 'F' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | XO1



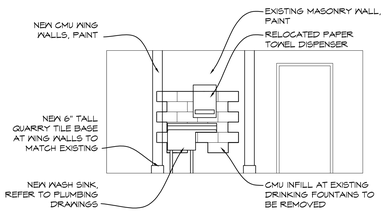
6 ENLARGED PLAN

1/2" = 1'-0" | XO1



7 SHELF DETAIL

1" = 1'-0" | DETL01



8 ADD ALTERNATE #1 INTERIOR ELEVATION

1/4" = 1'-0" | ELEVO1

ACCESSORY LEGEND

HD	HAND DRYER, RE: SPEC
M	RE-INSTALL EXISTING MIRROR, RE: SPEC
SND	SANITARY NAPKIN DISPOSAL, RE: SPEC
GB	GRAB BAR, RE: SPEC
TPD	REINSTALL EXISTING TOILET PAPER DISPENSER
SD	REINSTALL EXISTING SOAP DISPENSER

GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION VARIES, SEE PLAN.
2. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, AND/OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
4. COORDINATE ALL WORK WITH GENERAL, MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL OPENINGS REQUIRED OF THESE AND OTHER TRADES.
5. REPAIR ALL WALLS, AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS TO REMAIN DURING CONSTRUCTION TO PREVENT DAMAGE.
7. TOUCH UP PAINT AT ALL AREAS DISTURBED BY DEMOLITION AND NEW WORK.
8. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
9. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.

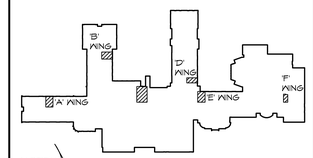
CONSTRUCTION NOTES

1. REINSTALL EXISTING PLUMBING FIXTURE, RE: PLUMBING DRAWINGS
2. TOILET PARTITION/URINAL SCREEN, RE: SPEC
3. SHELVING, RE: DETAIL 7/A-A102
4. MARBLE THRESHOLD
5. NEW PLUMBING FIXTURE, RE: PLUMBING DRAWINGS
6. PATCH EXISTING TERRAZZO FLOOR WITH CONCRETE, DOWEL INTO EXISTING CONCRETE SUBFLOOR 8" W/ #4 BARS AT 12" O.C.
7. NEW EPOXY FLOOR COATING AND WALL BASE OVER EXISTING TERRAZZO AND UP WALL OVER EXISTING QUARRY TILE OR MASONRY WALL.
8. REMOVE PORTION OF EXISTING GLAZED BLOCK WALL AS REQUIRED FOR NEW PLUMBING WORK. SALVAGE BLOCK AND RE-INSTALL UPON COMPLETION. COORDINATE WITH PLUMBING TRADES.
9. PATCH EXISTING MASONRY WALL. TOOTH AND KEY NEW MASONRY INFILL.
10. REMOVE, SAND, PAINT, AND RE-INSTALL EXISTING CONVECTOR COVERS WITH H.P. PAINT.
11. PAINT NEW CONVECTOR COVER WITH H.P. PAINT.

WALL TYPES

1. 8" CMU WALL, EXTEND TO ROOF DECK, SEAL TIGHT FOR 1 - HOUR RATING
2. 4" CMU WALL, EXTEND TO ROOF DECK
3. 3 5/8" METAL STUD FRAMING AT 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE, EXTEND TO ROOF DECK

NOTE: REFER TO SHEET A-A101 FOR ADDITIONAL GENERAL CONSTRUCTION NOTES



KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

TOILET ROOM ENLARGED PLANS

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. A-A102
	REVIEWED MLB	DRAWING NO. A-A102
	DATE OCT 19, 2026	SHEET NO. 4 OF 20
	SCALE AS NOTED	

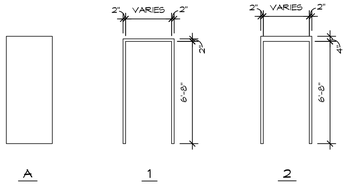
THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC HS A-A102 ENLARG
Plot date: 10/30/2026 9:04 AM

PROJECT 'A'

DOOR & FRAME SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	FIRE RATING (IN MINUTES)	HARDWARE	NOTES
A101	3'-0" x 6'-8"	A	WD	2	HM	B/A-A601	4 & B/A-A601	0	02	1
A102	2'-6" x 6'-8"	A	WD	EX	HM	---	---	45	2	
A103	3'-0" x 6'-8"	A	WD	2	HM	1/A-A601	2/A-A601	0	08	
B101	3'-0" x 6'-8"	A	WD	2	HM	3/A-A601	4 & B/A-A601	0	02	1
B103	3'-0" x 6'-8"	A	WD	1	HM	1/A-A601	2/A-A601	0	08	1
D101	3'-0" x 6'-8"	A	WD	1	HM	1/A-A601	2/A-A601	0	02	1
E101	3'-0" x 6'-8"	A	WD	1	HM	1/A-A601	2/A-A601	0	08	1

NOTES:
1. UNDER CUT DOOR 1".
2. NEW DOOR IN EXISTING DOOR FRAME. (1)



DOOR AND FRAME ELEVATIONS

1/4" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO.	ROOM TITLE	FLOOR MATERIAL	BASE MATERIAL	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING MATERIAL	CEILING HEIGHT	ACCESSORIES	NOTES
A137	WOMEN'S TOILET	F01	B01	W01	W01	W01	W01	C01	T-10"	A01, A02	N01, N02
A138	MEN'S TOILET	F01	B01	W01	W01	W01	W01	C01	T-10"	A01	N01, N02
A139	EX. JANITOR	F02	B02	W02	W02	W02	W02	C03	---		
A143	ALCOVE	F01	B01	W01	W01	W01	W01	C01	T-10"		N04
B101	KITCHEN	F02	B02	W02	W02	W02	W02	C02	8'-10"		
B111	WOMEN'S TOILET	F01	B01	W01	W01	W01	W01	C01	T-10"	A01, A02	N01, N02
B112	MEN'S TOILET	F01	B01	W01	W01	W01	W01	C01	T-10"	A01	N01, N02
B126	ALCOVE	F01	B01	W01	W01	W01	W01	C01	T-10"		N04
B127	EX. JANITOR	F02	B02	W02	W02	W02	W02	C03	---		
D101	MEN'S TOILET	F01	B01	W01	W01	W01	W01	C01	T-10"	A01, A02	N01, N02
E111	WOMEN'S TOILET	F01	B01	W01	W01	W01	W01	C01	T-10"	A01, A02	N01, N02
F114	WOMEN'S TOILET	F03	B01	W01	W01	W01	W01	C04	---	A01	N03
F115	MEN'S TOILET	F03	B01	W01	W01	W01	W01	C04	---	A01	N03

ROOM FINISH LEGEND

FLOOR
- F01 EXISTING TERRAZZO - CLEAN AND COAT WITH EPOXY COATING
- F02 EXISTING TO REMAIN
- F03 EXISTING CONCRETE - CLEAN AND COAT WITH EPOXY COATING

BASE
- B01 EXISTING QUARRY TILE OR MASONRY -CLEAN AND PAINT WITH EPOXY COATING
- B02 EXISTING TO REMAIN

WALLS
- W01 EXISTING MASONRY - DEGLAZE, SCARIFY, CLEAN, AND PAINT WITH HIGH PERFORMANCE COATING, RE: SPEC
- W02 EXISTING TO REMAIN

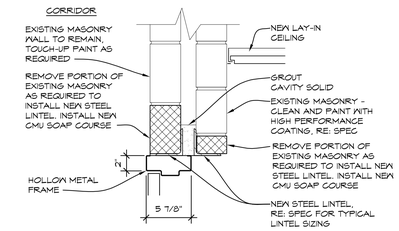
CEILING
- C01 2x2 LAY-IN CEILING TILE WITH HOLD DOWN CLIPS
- C02 2x4 LAY-IN CEILING TILE, SCRUBBABLE
- C03 EXISTING TO REMAIN
- C04 EXISTING GONC. DECK PLANKS - PAINT

ACCESSORIES
- A01 TOILET ROOM ACCESSORIES, RE: SPEC
- A02 SHELF, RE: 1/A-A102

NOTES
- N01 REMOVE EXISTING CONVECTION HEATER UNIT COVERS AND INSTALL NEW, RE: MECHANICAL PLANS
- N02 REINSTALL EXISTING FIRE ALARM NOTIFICATION DEVICES
- N03 PAINT EXISTING CONVECTION HEATER UNIT COVERS
- N04 PAINT HEADER WHERE EXISTING DOOR WAS REMOVED

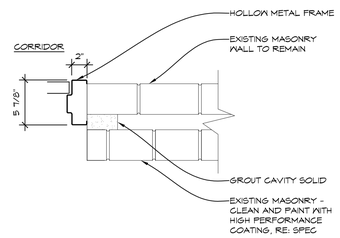
GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION VARIES, SEE PLAN.
2. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, AND/OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE
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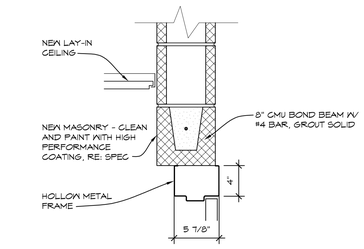
1 HEAD DETAIL

1 1/2" = 1'-0" | JAMB01



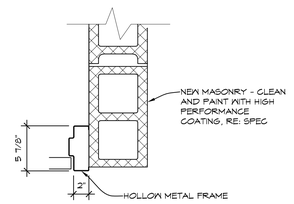
2 JAMB DETAIL

1 1/2" = 1'-0" | JAMB01



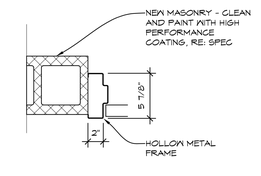
3 HEAD DETAIL

1 1/2" = 1'-0" | JAMB01



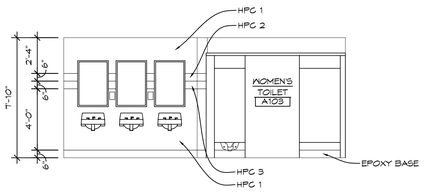
4 JAMB DETAIL

1 1/2" = 1'-0" | JAMB01



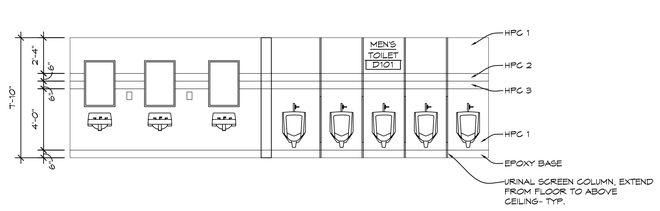
5 JAMB DETAIL

1 1/2" = 1'-0" | JAMB01



6 TOILET ROOM ELEVATION

1/4" = 1'-0" | ELEV01

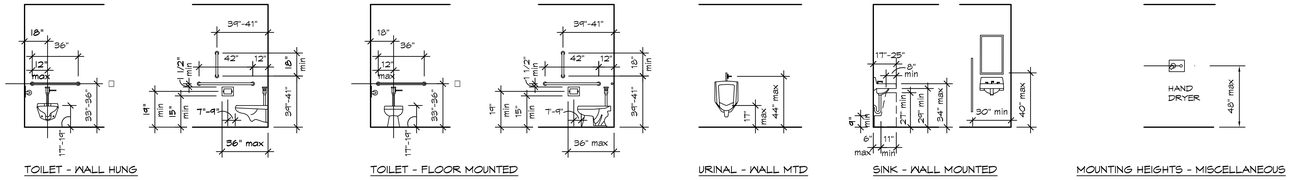


7 TOILET ROOM ELEVATION

1/4" = 1'-0" | ELEV01

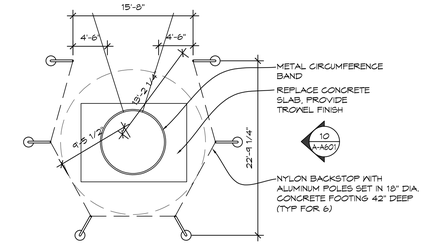
NOTE:
HPG - HIGH PERFORMANCE COATING

NOTE:
RESTROOM ELEVATIONS ARE TYPICAL AND APPLY TO ENTIRE ROOM RESPECTIVELY - PAINT LINES TO ALIGN W/ MASONRY COURSING, TYP.



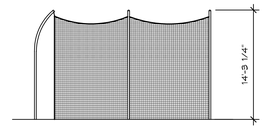
8 TYPICAL BARRIER FREE MOUNTING HEIGHTS

1/4" = 1'-0"



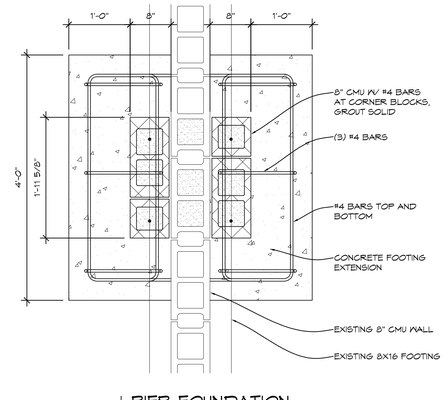
9 DISCUS CAGE PLAN

1/8" = 1'-0" | X01



10 DISCUS CAGE ELEVATION

1/8" = 1'-0" | X01



11 PIER FOUNDATION PLAN

1/8" = 1'-0" | X01

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

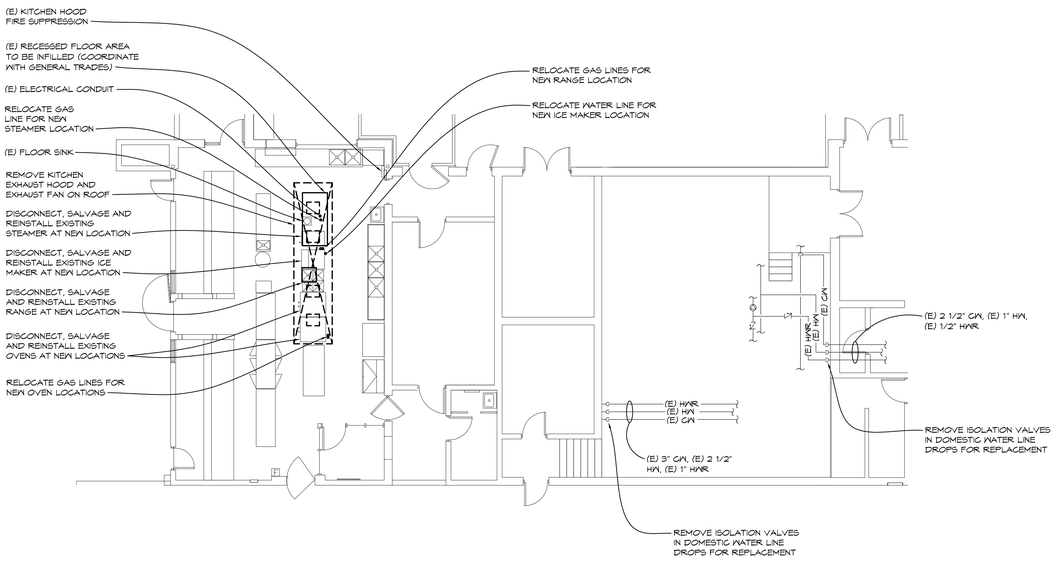
1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE
DOOR SCHEDULE, ROOM FINISH SCHEDULE, & DETAILS

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. A-A601
	REVIEWED MLB	DRAWING NO. A-A601
	DATE OCT 19, 2026	SHEET NO. 7 OF 20
	SCALE AS NOTED	

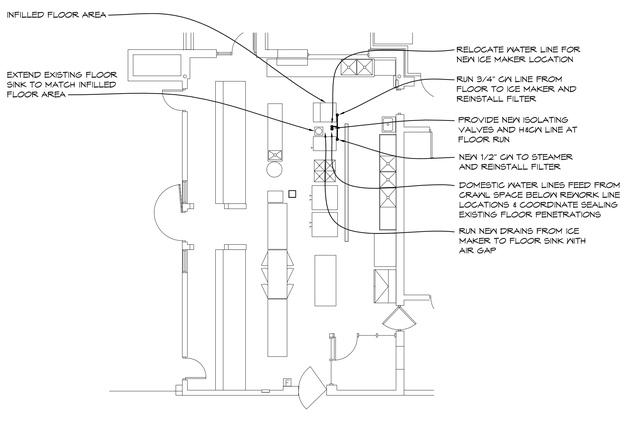
PROJECT 'A'

THA Architects Engineers • P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC\THA-A-A601 SCHEDU
Plot date: 10/30/2026 9:04 AM



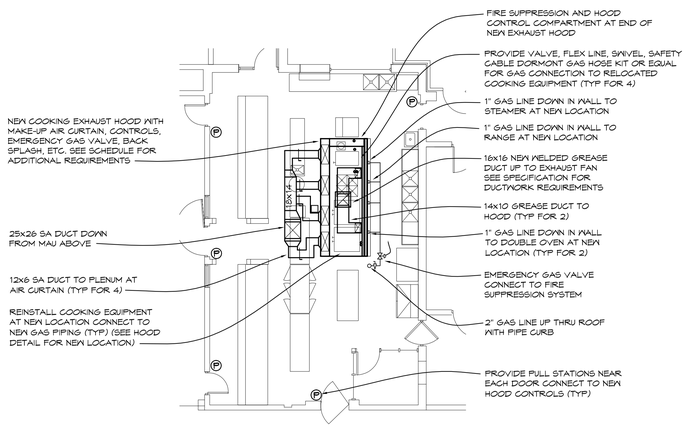
'C' WING PARTIAL DEMOLITION MECHANICAL FLOOR PLAN

1/8" = 1'-0" | X01



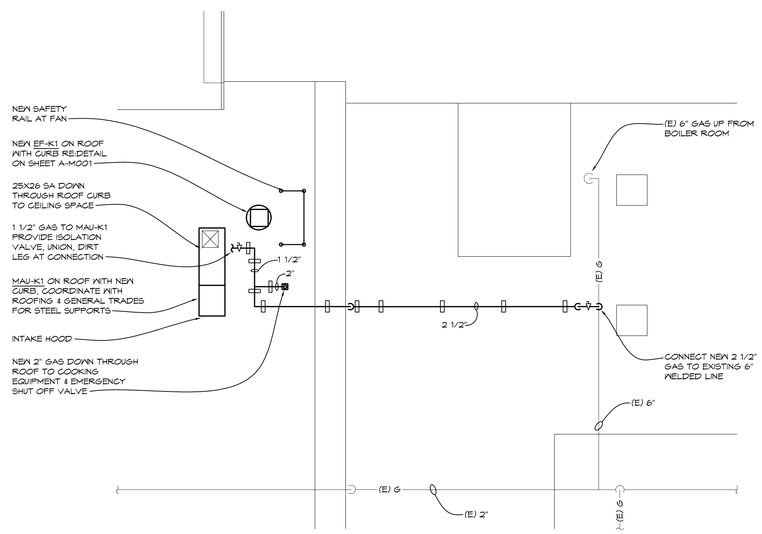
'C' WING PARTIAL PLUMBING FLOOR PLAN

1/8" = 1'-0" | X01



'C' WING PARTIAL MECHANICAL FLOOR PLAN

1/8" = 1'-0" | X01



'C' WING PARTIAL MECHANICAL ROOF PLAN

1/8" = 1'-0" | X01

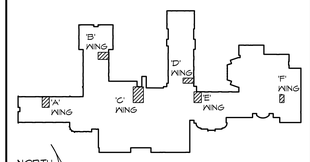
PLUMBING GENERAL NOTES

1. SEE ALL PLANS FOR REQUIRED WORK
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING COLD WATER, HOT WATER AND SANITARY CONNECTIONS PRIOR TO ORDERING PLUMBING FIXTURES.
4. FIELD VERIFY ALL EXISTING PIPING AND ADJUST PIPING AS REQUIRED FOR NEW WORK.
5. ALL WORK SHALL BE SCHEDULE WITH SCHOOL ANY INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEK PRIOR TO REQUIRED WORK.
6. COORDINATE ALL WORK WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
7. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
9. CONTRACTOR FIELD VERIFY EXISTING PLUMBING AND REWORK CONNECTIONS FOR NEW WALLS. EXTEND PIPING AND WALL SUPPORTS FOR NEW CONNECTIONS.
10. CONTRACTOR TO PROVIDE NEW STOPS, TRAP, RISERS, ETC, FOR NEW PLUMBING WORK.
11. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER
12. LEAVE NO DEAD LEG PIPING AT DOMESTIC WATER DEMOLITION REMOVE LINES BACK TO ACTIVE MAIN OR BRANCH. CAP AT ACTIVE LINE WITHIN 1-1/2 TIMES THE WIDTH OF PLUMBING LINE

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
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8. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
9. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER
10. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
11. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
12. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL GAS FIRED EQUIPMENT

PROJECT 'A'



KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

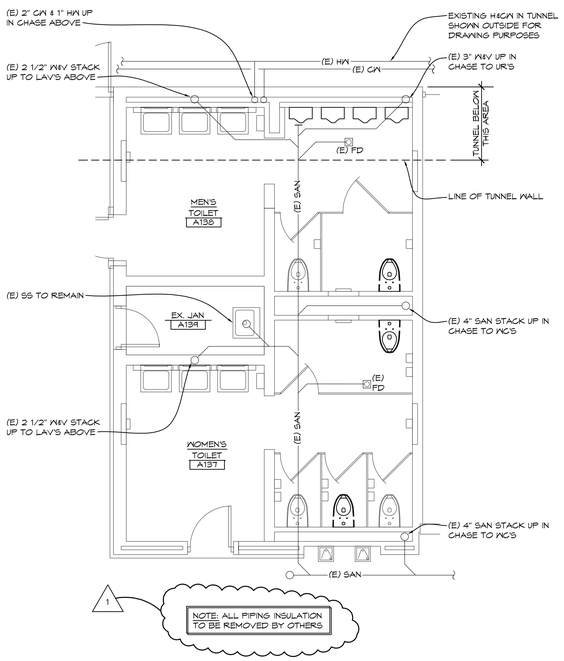
1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

MECHANICAL ENLARGED FLOOR PLANS

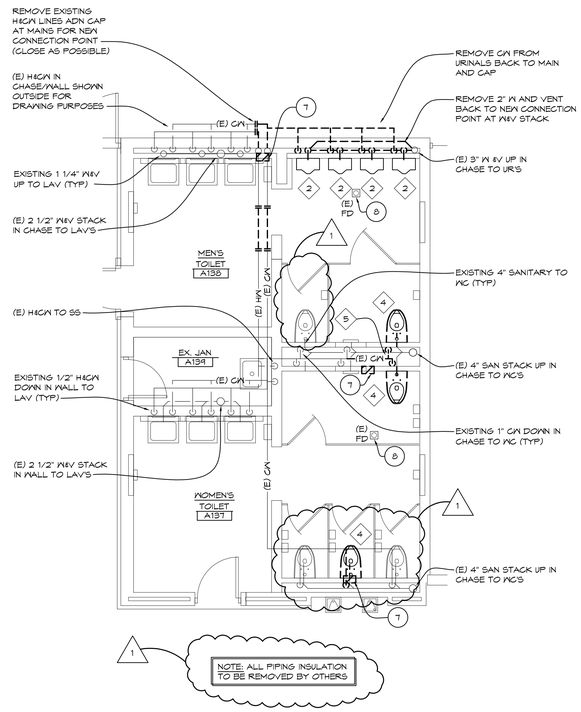
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	DATE OCT 19, 2026	SHEET NO. 10 OF 20
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THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC 1\01-A-M102-ADD-1.
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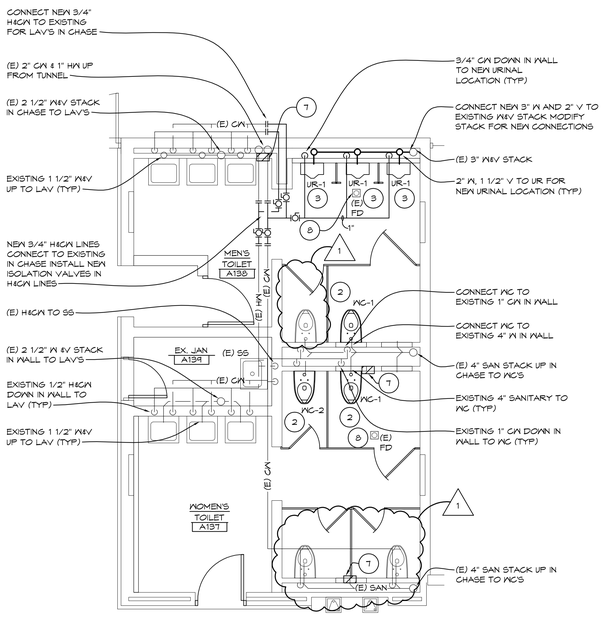
'A' WING TOILET ROOMS UNDER FLOOR
PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | XO1



'A' WING TOILET ROOMS ABOVE FLOOR
PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | XO1



'A' WING TOILET ROOMS ABOVE FLOOR
ENLARGED PLUMBING PLAN

1/4" = 1'-0" | XO1

KEYED PLUMBING DEMOLITION NOTES

1. REMOVE EXISTING WATER CLOSET & FLUSH VALVE FOR NEW WORK. FIXTURE TO BE REINSTALLED AT CURRENT LOCATION.
2. REMOVE URINAL & FLUSH VALVE
3. REMOVE EXISTING LAVATORY, FAUCET, TRAP, ETC. FIXTURE TO BE REINSTALLED AT CURRENT LOCATION.
4. REMOVE EXISTING WATER CLOSET & FLUSH VALVE. FIXTURE TO BE REINSTALLED AT NEW LOCATION. SEAL SANITARY & COLD WATER IN WALL. REMOVE ANY SUPPORTS, BOLTS, ETC. THAT PENETRATE OUT WALL & INTERFERE WITH NEW WORK.
5. REMOVE SECTION OF COLD WATER PIPING IN CHASE, CAP & PROVIDE NEW AIR CHAMBER. REMOVE BLOCK FOR WORK REQUIRED, COORDINATE WITH GENERAL TRADES.
6. REMOVE LAVATORY HW, CW, VENT, SANITARY, STOPS, ETC. LAVATORY TO BE REINSTALLED AT A NEW LOCATION
7. REMOVE EXISTING URINAL, FLUSH VALVE BACK TO NEW CONNECTION POINT FOR NEW URINAL
8. REMOVE EXISTING FLOOR MOUNTED WATER CLOSET & FLUSH VALVE FOR NEW WATER CLOSET
9. REMOVE EXISTING LAVATORY, FAUCET, RISER, TRAP, ETC. FOR NEW LAVATORY
10. REMOVE DRINKING FOUNTAIN & PIPING BACK TO NEW CONNECTION POINT AT NEW SINK

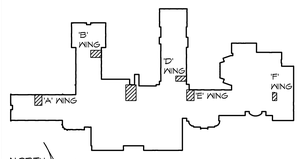
(#) KEYED PLUMBING NOTES

1. REINSTALL EXISTING WATER CLOSET AT EXISTING WATER CLOSET LOCATION (REMOVE & REINSTALL FOR NEW WORK) EXTEND BOLTS & SANITARY COUPLING. PROVIDE NEW GASKET, EXTEND WATER CONNECTION REINSTALL EXISTING FLUSH VALVE AND STOP AT WALL.
2. INSTALL EXISTING WATER CLOSET AT ABANDONED WC LOCATION REMOVE CAP AND EXTEND BOLTS & SANITARY COUPLING AND PROVIDE NEW GASKET, EXTEND WATER CONNECTION REINSTALL EXISTING FLUSH VALVE AND STOP AT WALL.
3. INSTALL NEW URINAL AT NEW LOCATION. PROVIDE NEW CARRIER, SUPPORTS, CW, WASTE & VENT CONNECTIONS. COORDINATE WITH NEW WALL.
4. INSTALL EXISTING LAVATORY AT EXISTING LAVATORY LOCATION, REMOVE & REINSTALL FOR NEW WORK. EXTEND SUPPORTS, HW, CW, WASTE & VENT CONNECTIONS, PROVIDE NEW STOPS, RISERS, TRAP & PIPING.
5. INSTALL EXISTING LAVATORY AT NEW LAVATORY LOCATION. CONNECT TO NEW H&CW, WBV, PROVIDE NEW CARRIER, SUPPORTS, STOPS, RISERS, TRAP & PIPING.
6. INSTALL NEW URINAL AT EXISTING LOCATION. PROVIDE NEW SUPPORT AND SANITARY CONNECTION RECONNECT EXISTING FLUSH VALVE TO EXISTING CW AT WALL.
7. OPEN EXISTING WALL FOR NEW PIPING WORK COORDINATE WITH GENERAL TRADES FOR INFILL BELOW NEW WORK
8. ADJUST/REPLACE STRAINER AT FLOOR DRAIN TO MATCH NEW FLOOR HEIGHT

PLUMBING GENERAL NOTES

1. SEE ALL PLANS FOR REQUIRED WORK
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING COLD WATER, HOT WATER AND SANITARY CONNECTIONS PRIOR TO ORDERING PLUMBING FIXTURES.
4. FIELD VERIFY ALL EXISTING PIPING AND ADJUST PIPING AS REQUIRED FOR NEW WORK.
5. ALL WORK SHALL BE SCHEDULE WITH SCHOOL ANY INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEK PRIOR TO REQUIRED WORK.
6. COORDINATE ALL WORK WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND TRADES, VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
7. AT AREAS OF DEMOLITION: CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
9. CONTRACTOR FIELD VERIFY EXISTING PLUMBING AND REWORK CONNECTIONS FOR NEW WALLS. EXTEND PIPING AND WALL SUPPORTS FOR NEW CONNECTIONS
10. CONTRACTOR TO PROVIDE NEW STOPS, TRAP, RISERS, ETC, FOR NEW PLUMBING WORK.
11. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER
12. LEAVE NO DEAD LEG PIPING AT DOMESTIC WATER DEMOLITION REMOVE LINES BACK TO ACTIVE MAIN OR BRANCH, CAP AT ACTIVE LINE WITHIN 1-1/2 TIMES THE WIDTH OF PLUMBING LINE

PROJECT 'A'



KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENEDUM #1	11/02/26

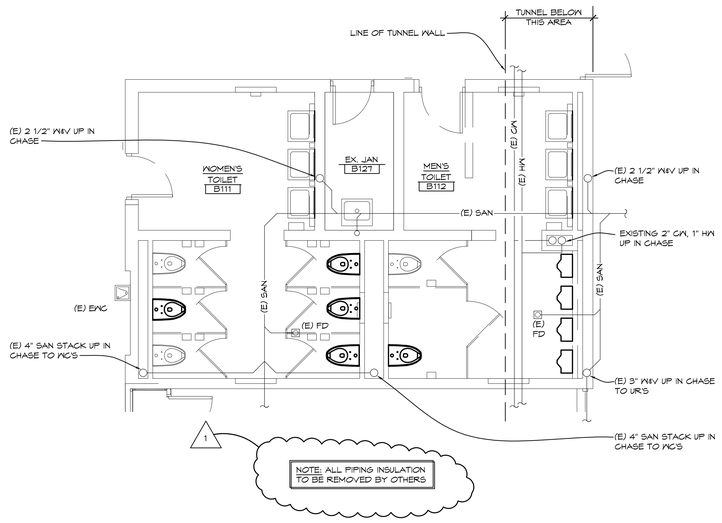
THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:
BULLOCK CREEK HIGH SCHOOL
1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE
'A' WING ENLARGED TOILET ROOM PLUMBING PLANS

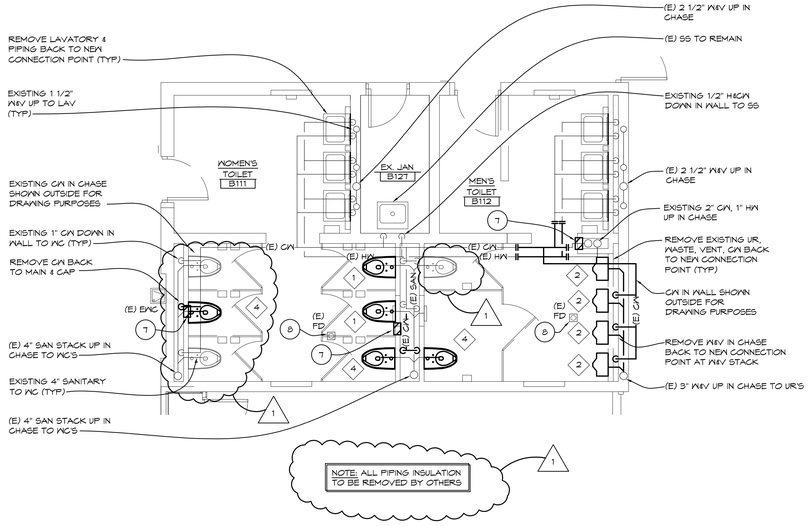
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	SCALE AS NOTED	SHEET NO. 11 OF 20

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC-THA-A-P101-ADD-1.v
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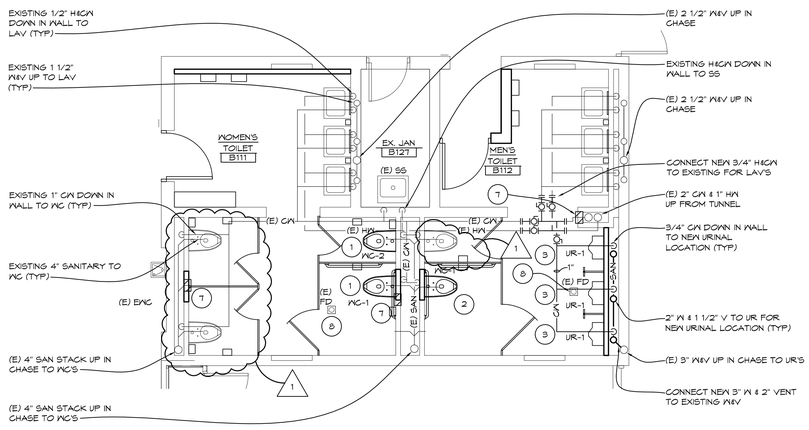
'B' WING TOILET ROOMS UNDER FLOOR
PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | X01



'B' WING TOILET ROOMS ABOVE FLOOR
PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | X01



'B' WING TOILET ROOMS ABOVE FLOOR
ENLARGED PLUMBING PLAN

1/4" = 1'-0" | X01

PLUMBING GENERAL NOTES

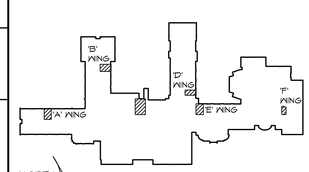
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3. CONTRACTOR SHALL FIELD VERIFY EXISTING COLD WATER, HOT WATER AND SANITARY CONNECTIONS PRIOR TO ORDERING PLUMBING FIXTURES.
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KEYED PLUMBING DEMOLITION NOTES

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4. REMOVE EXISTING WATER CLOSET & FLUSH VALVE. FIXTURE TO BE REINSTALLED AT NEW LOCATION, SEAL SANITARY & COLD WATER IN WALL. REMOVE ANY SUPPORTS, BOLTS, ETC. THAT PENETRATE OUT WALL & INTERFERE WITH NEW WORK.
5. REMOVE SECTION OF COLD WATER PIPING IN CHASE, CAP & PROVIDE NEW AIR CHAMBER. REMOVE BLOCK FOR WORK REQUIRED, COORDINATE WITH GENERAL TRADES.
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5. INSTALL EXISTING LAVATORY AT NEW LAVATORY LOCATION. CONNECT TO NEW HCW, MEV, PROVIDE NEW CARRIER, SUPPORTS, STOPS, RISERS, TRAP & PIPING.
6. INSTALL NEW URINAL AT EXISTING LOCATION. PROVIDE NEW SUPPORT AND SANITARY CONNECTION RECONNECT EXISTING FLUSH VALVE TO EXISTING CW AT WALL.
7. OPEN EXISTING WALL FOR NEW PIPING WORK COORDINATE WITH GENERAL TRADES FOR INFILL BELOW NEW WORK
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KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

1420 SOUTH BADOUR ROAD
MIDLAND, MI

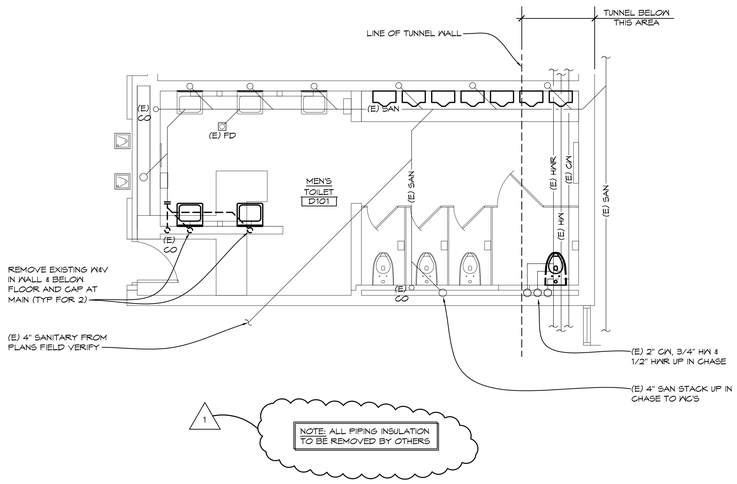
DRAWING TITLE

'B' WING ENLARGED TOILET ROOM PLUMBING PLANS

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	CHECKED KLS	CAD FILE NO. A-P102
	REVIEWED MLB	DRAWING NO. A-P102
	DATE OCT 19, 2026	SHEET NO. 12 OF 20
	SCALE AS NOTED	

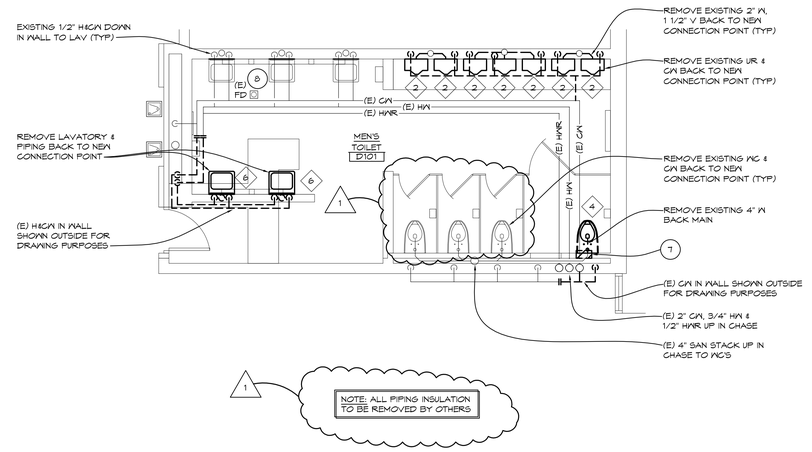
THA Architects Engineers - P: Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC 1St-A-P102-ADD-1 T
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PROJECT 'A'



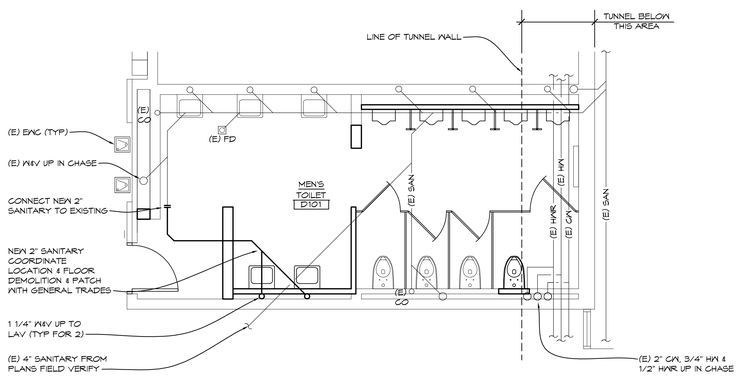
'D' WING TOILET ROOM UNDER FLOOR PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | XO1



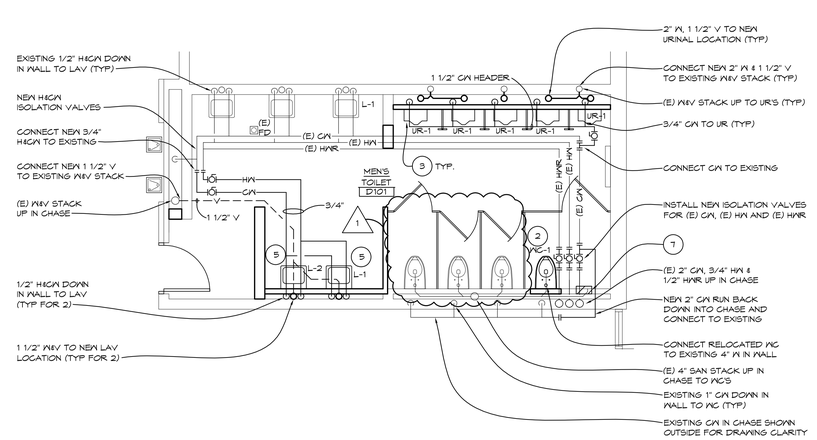
'D' WING TOILET ROOM ABOVE FLOOR PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | XO1



'D' WING TOILET ROOM UNDER FLOOR ENLARGED PLUMBING PLAN

1/4" = 1'-0" | XO1



'D' WING TOILET ROOM ABOVE FLOOR ENLARGED PLUMBING PLAN

1/4" = 1'-0" | XO1

KEYED PLUMBING DEMOLITION NOTES

1. REMOVE EXISTING WATER CLOSET & FLUSH VALVE FOR NEW WORK. FIXTURE TO BE REINSTALLED AT CURRENT LOCATION.
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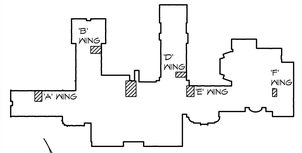
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PLUMBING GENERAL NOTES

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PROJECT 'A'



KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

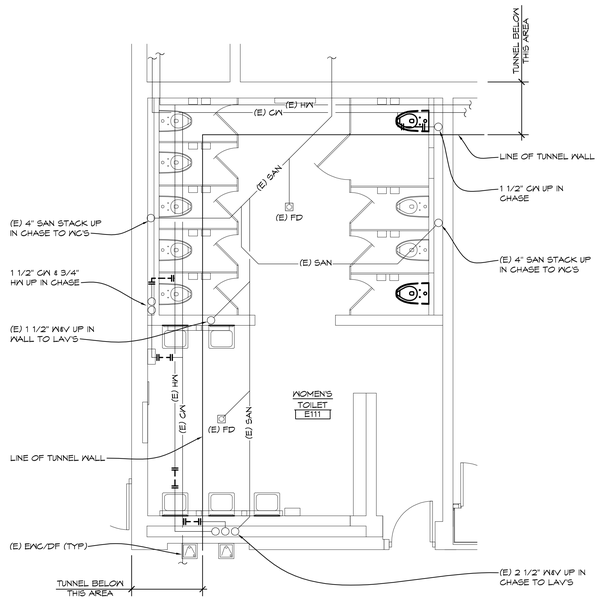
1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

'D' WING ENLARGED TOILET ROOM PLUMBING PLANS

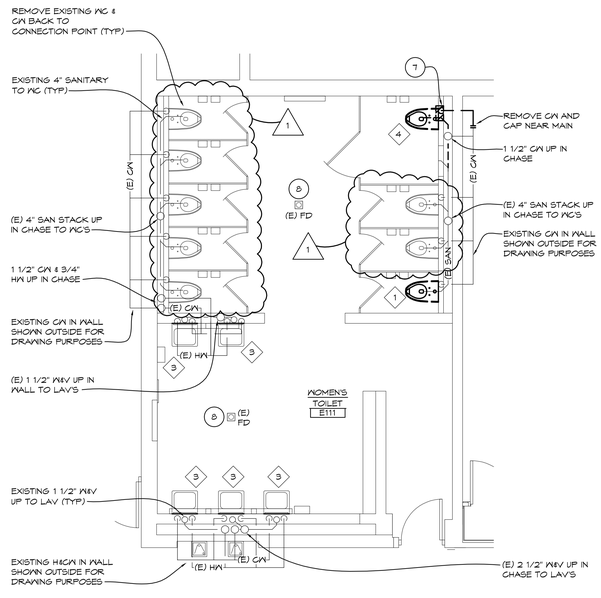
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	SCALE AS NOTED	

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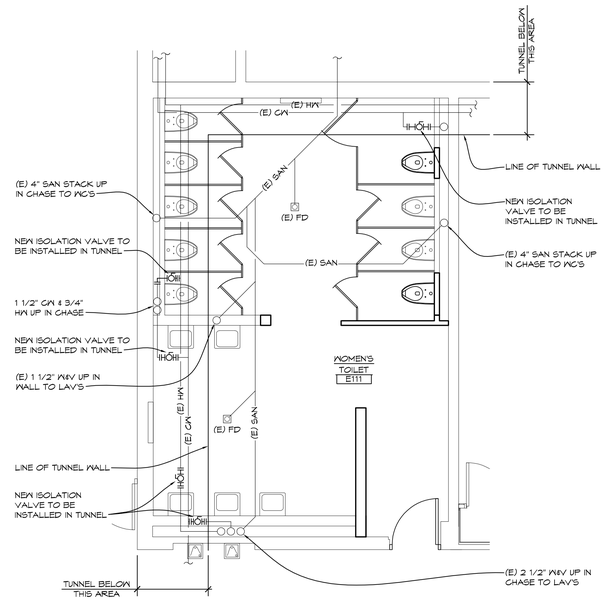
'E' WING TOILET ROOM UNDER FLOOR PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | XO1



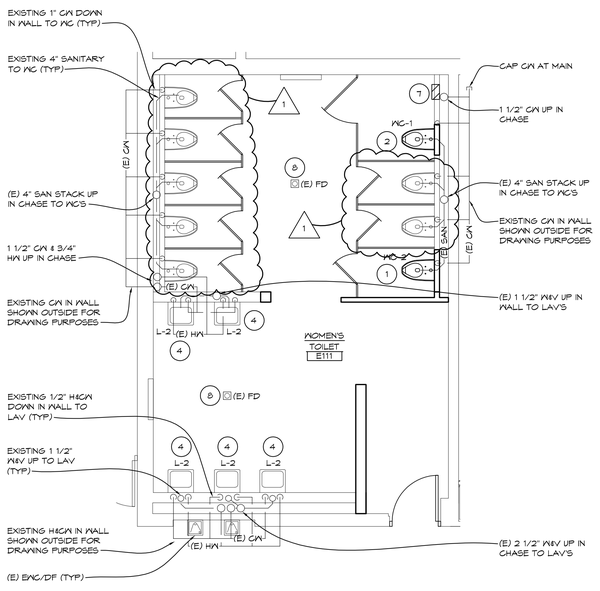
'E' WING TOILET ROOM ABOVE FLOOR PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | XO1



'E' WING TOILET ROOM UNDER FLOOR ENLARGED PLUMBING PLAN

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'E' WING TOILET ROOM ABOVE FLOOR ENLARGED PLUMBING PLAN

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3. REMOVE EXISTING LAVATORY, FAUCET, TRAP, ETC. FIXTURE TO BE REINSTALLED AT CURRENT LOCATION.
4. REMOVE EXISTING WATER CLOSET & FLUSH VALVE. FIXTURE TO BE REINSTALLED AT NEW LOCATION. SEAL SANITARY & COLD WATER IN WALL. REMOVE ANY SUPPORTS, BOLTS, ETC. THAT PENETRATE OUT WALL & INTERFERE WITH NEW WORK.
5. REMOVE SECTION OF COLD WATER PIPING IN CHASE, CAP & PROVIDE NEW AIR CHAMBER. REMOVE BLOCK FOR WORK REQUIRED, COORDINATE WITH GENERAL TRADES.
6. REMOVE LAVATORY HW, CW, VENT, SANITARY, STOPS, ETC. LAVATORY TO BE REINSTALLED AT A NEW LOCATION
7. REMOVE EXISTING URINAL, FLUSH VALVE BACK TO NEW CONNECTION POINT FOR NEW URINAL
8. REMOVE EXISTING FLOOR MOUNTED WATER CLOSET & FLUSH VALVE FOR NEW WATER CLOSET
9. REMOVE EXISTING LAVATORY, FAUCET, RISER, TRAP, ETC. FOR NEW LAVATORY
10. REMOVE DRINKING FOUNTAIN & PIPING BACK TO NEW CONNECTION POINT AT NEW SINK

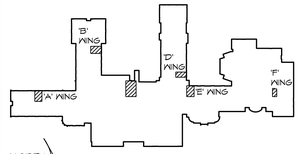
(E) KEYED PLUMBING NOTES

1. REINSTALL EXISTING WATER CLOSET AT EXISTING WATER CLOSET LOCATION (REMOVE & REINSTALL FOR NEW WORK) EXTEND BOLTS & SANITARY COUPLING. PROVIDE NEW GASKET, EXTEND WATER CONNECTION REINSTALL EXISTING FLUSH VALVE AND STOP AT WALL.
2. INSTALL EXISTING WATER CLOSET AT ABANDONED WC LOCATION REMOVE CAP AND EXTEND BOLTS & SANITARY COUPLING AND PROVIDE NEW GASKET. EXTEND WATER CONNECTION REINSTALL EXISTING FLUSH VALVE AND STOP AT WALL.
3. INSTALL NEW URINAL AT NEW LOCATION. PROVIDE NEW CARRIER, SUPPORTS, CW, WASTE & VENT CONNECTIONS. COORDINATE WITH NEW WALL.
4. INSTALL EXISTING LAVATORY AT EXISTING LAVATORY LOCATION, REMOVE & REINSTALL FOR NEW WORK. EXTEND SUPPORTS, HW, CW, WASTE & VENT CONNECTIONS, PROVIDE NEW STOPS, RISERS, TRAP & PIPING.
5. INSTALL EXISTING LAVATORY AT NEW LAVATORY LOCATION, CONNECT TO NEW HWCW, WV, PROVIDE NEW CARRIER, SUPPORTS, STOPS, RISERS, TRAP & PIPING.
6. INSTALL NEW URINAL AT EXISTING LOCATION. PROVIDE NEW SUPPORT AND SANITARY CONNECTION RECONNECT EXISTING FLUSH VALVE TO EXISTING CW AT WALL.
7. OPEN EXISTING WALL FOR NEW PIPING WORK COORDINATE WITH GENERAL TRADES FOR INFILL BELOW NEW WORK
8. ADJUST/REPLACE STRAINER AT FLOOR DRAIN TO MATCH NEW FLOOR HEIGHT

PLUMBING GENERAL NOTES

1. SEE ALL PLANS FOR REQUIRED WORK
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING COLD WATER, HOT WATER AND SANITARY CONNECTIONS PRIOR TO ORDERING PLUMBING FIXTURES.
4. FIELD VERIFY ALL EXISTING PIPING AND ADJUST PIPING AS REQUIRED FOR NEW WORK.
5. ALL WORK SHALL BE SCHEDULE WITH SCHOOL ANY INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEK PRIOR TO REQUIRED WORK.
6. COORDINATE ALL WORK WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND TRADES, VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
7. AT AREAS OF DEMOLITION: CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
9. CONTRACTOR FIELD VERIFY EXISTING PLUMBING AND REWORK CONNECTIONS FOR NEW WALLS. EXTEND PIPING AND WALL SUPPORTS FOR NEW CONNECTIONS
10. CONTRACTOR TO PROVIDE NEW STOPS, TRAP, RISERS, ETC, FOR NEW PLUMBING WORK.
11. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER
12. LEAVE NO DEAD LEG PIPING AT DOMESTIC WATER DEMOLITION REMOVE LINES BACK TO ACTIVE MAIN OR BRANCH, CAP AT ACTIVE LINE WITHIN 1-1/2 TIMES THE WIDTH OF PLUMBING LINE

PROJECT 'A'



KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

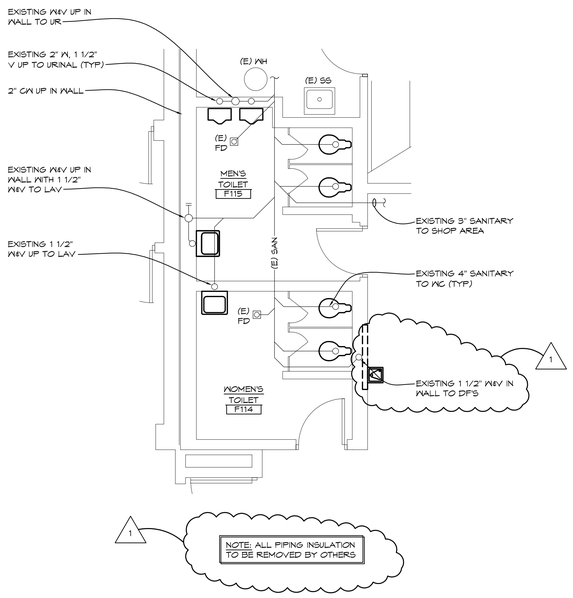
1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

'E' WING ENLARGED TOILET ROOM PLUMBING PLANS

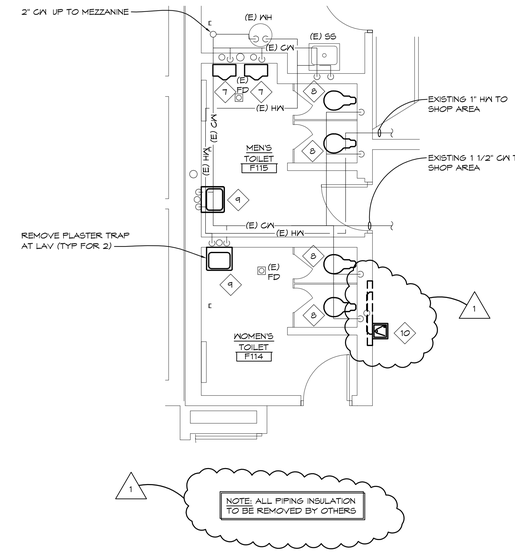
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	CHECKED KLS	CAD FILE NO. A-P104
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	DATE OCT 19, 2026	SHEET NO. 14 OF 20
	SCALE AS NOTED	

THA Architects Engineers - P: \Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC HS-A-P104-ADD.1 T
Plot date: 11/2/2026 12:23 PM



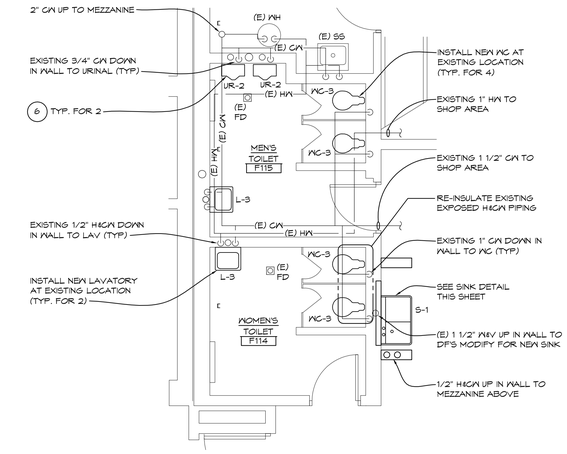
'F' WING TOILET ROOMS UNDER FLOOR PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | X01



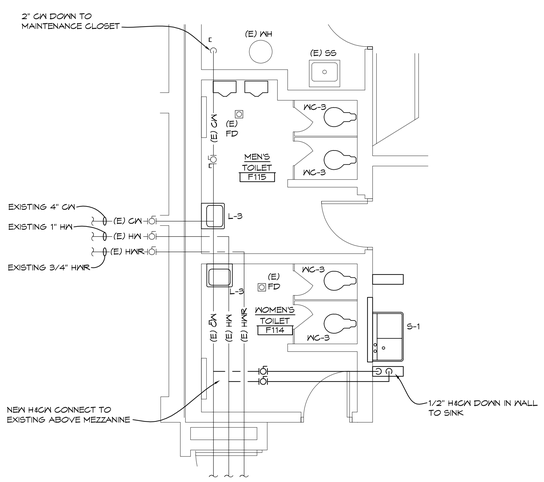
'F' WING TOILET ROOMS ABOVE FLOOR PLUMBING DEMOLITION PLAN

1/4" = 1'-0" | X01



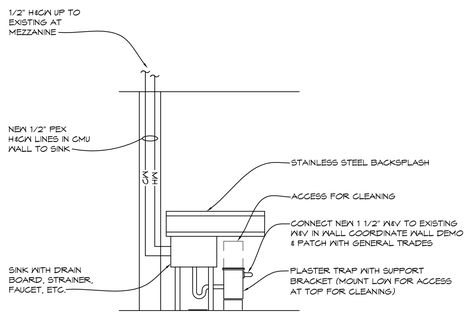
'F' WING TOILET ROOMS ABOVE FLOOR ENLARGED PLUMBING PLAN

1/4" = 1'-0" | X01



'F' WING TOILET ROOMS ABOVE MEZZANINE PLUMBING PLAN

1/4" = 1'-0" | X01



SINK DETAIL

NO SCALE

PLUMBING GENERAL NOTES

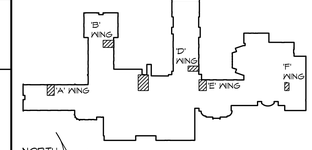
1. SEE ALL PLANS FOR REQUIRED WORK
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING COLD WATER, HOT WATER AND SANITARY CONNECTIONS PRIOR TO ORDERING PLUMBING FIXTURES.
4. FIELD VERIFY ALL EXISTING PIPING AND ADJUST PIPING AS REQUIRED FOR NEW WORK.
5. ALL WORK SHALL BE SCHEDULE WITH SCHOOL ANY INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEK PRIOR TO REQUIRED WORK.
6. COORDINATE ALL WORK WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS AND TRADES, VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
7. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
9. CONTRACTOR FIELD VERIFY EXISTING PLUMBING AND REWORK CONNECTIONS FOR NEW WALLS. EXTEND PIPING AND WALL SUPPORTS FOR NEW CONNECTIONS
10. CONTRACTOR TO PROVIDE NEW STOPS, TRAP, RISERS, ETC, FOR NEW PLUMBING WORK.
11. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER
12. LEAVE NO DEAD LEG PIPING AT DOMESTIC WATER DEMOLITION REMOVE LINES BACK TO ACTIVE MAIN OR BRANCH, CAP AT ACTIVE LINE WITHIN 1-1/2 TIMES THE WIDTH OF PLUMBING LINE

KEYED PLUMBING DEMOLITION NOTES

1. REMOVE EXISTING WATER CLOSET & FLUSH VALVE FOR NEW WORK. FIXTURE TO BE REINSTALLED AT CURRENT LOCATION.
2. REMOVE URINAL & FLUSH VALVE
3. REMOVE EXISTING LAVATORY, FAUCET, TRAP, ETC. FIXTURE TO BE REINSTALLED AT CURRENT LOCATION.
4. REMOVE EXISTING WATER CLOSET & FLUSH VALVE. FIXTURE TO BE REINSTALLED AT NEW LOCATION. SEAL SANITARY & COLD WATER IN WALL. REMOVE ANY SUPPORTS, BOLTS, ETC. THAT PENETRATE OUT WALL & INTERFERE WITH NEW WORK.
5. REMOVE SECTION OF COLD WATER PIPING IN CHASE, CAP & PROVIDE NEW AIR CHAMBER. REMOVE BLOCK FOR WORK REQUIRED, COORDINATE WITH GENERAL TRADES.
6. REMOVE LAVATORY HW, CW, VENT, SANITARY, STOPS, ETC. LAVATORY TO BE REINSTALLED AT A NEW LOCATION
7. REMOVE EXISTING URINAL, FLUSH VALVE BACK TO NEW CONNECTION POINT FOR NEW URINAL
8. REMOVE EXISTING FLOOR MOUNTED WATER CLOSET & FLUSH VALVE FOR NEW WATER CLOSET
9. REMOVE EXISTING LAVATORY, FAUCET, RISER, TRAP, ETC. FOR NEW LAVATORY
10. REMOVE DRINKING FOUNTAIN & PIPING BACK TO NEW CONNECTION POINT AT NEW SINK

(E) KEYED PLUMBING NOTES

1. REINSTALL EXISTING WATER CLOSET AT EXISTING WATER CLOSET LOCATION (REMOVE & REINSTALL FOR NEW WORK) EXTEND BOLTS & SANITARY COUPLING. PROVIDE NEW GASKET, EXTEND WATER CONNECTION REINSTALL EXISTING FLUSH VALVE AND STOP AT WALL.
2. INSTALL EXISTING WATER CLOSET AT ABANDONED WC LOCATION REMOVE CAP AND EXTEND BOLTS & SANITARY COUPLING AND PROVIDE NEW GASKET. EXTEND WATER CONNECTION REINSTALL EXISTING FLUSH VALVE AND STOP AT WALL.
3. INSTALL NEW URINAL AT NEW LOCATION. PROVIDE NEW CARRIER, SUPPORTS, CW, WASTE & VENT CONNECTIONS. COORDINATE WITH NEW WALL.
4. INSTALL EXISTING LAVATORY AT EXISTING LAVATORY LOCATION, REMOVE & REINSTALL FOR NEW WORK. EXTEND SUPPORTS, HW, CW, WASTE & VENT CONNECTIONS, PROVIDE NEW STOPS, RISERS, TRAP & PIPING.
5. INSTALL EXISTING LAVATORY AT NEW LAVATORY LOCATION, CONNECT TO NEW HWCW, WAV, PROVIDE NEW CARRIER, SUPPORTS, STOPS, RISERS, TRAP & PIPING.
6. INSTALL NEW URINAL AT EXISTING LOCATION. PROVIDE NEW SUPPORT AND SANITARY CONNECTION RECONNECT EXISTING FLUSH VALVE TO EXISTING CW AT WALL.
7. OPEN EXISTING WALL FOR NEW PIPING WORK COORDINATE WITH GENERAL TRADES FOR INFILL BELOW NEW WORK
8. ADJUST/REPLACE STRAINER AT FLOOR DRAIN TO MATCH NEW FLOOR HEIGHT



KEY PLAN

NTS | KEYPLAN

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

1420 SOUTH BADOUR ROAD
MIDLAND, MI

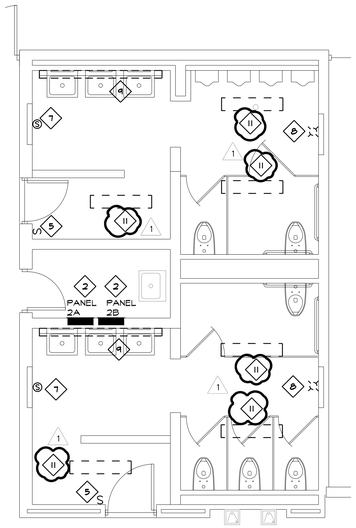
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'F' WING ENLARGED TOILET ROOM PLUMBING PLANS

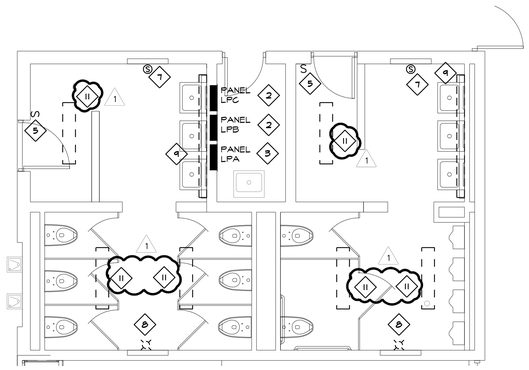
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	DATE OCT 19, 2026	SHEET NO. 15 OF 20
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PROJECT 'A'

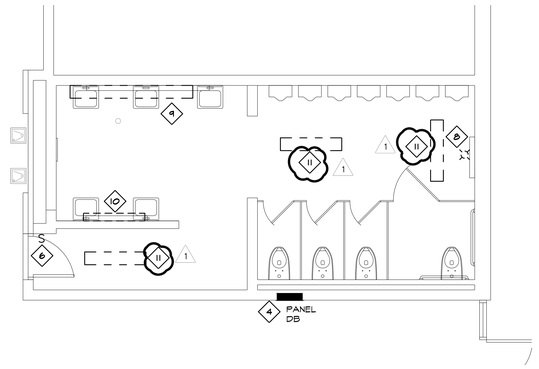
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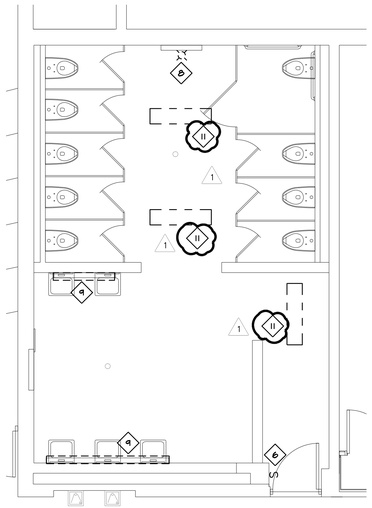
1 'A' WING TOILET ROOMS ENLARGED PLAN
1/4" = 1'-0" | X01



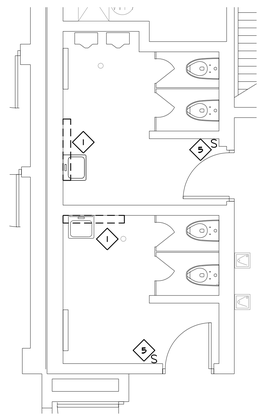
2 'B' WING TOILET ROOMS ENLARGED PLAN
1/4" = 1'-0" | X01



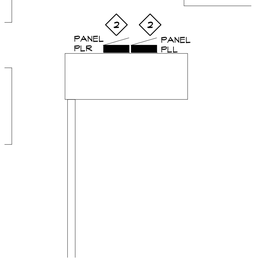
3 'D' WING TOILET ROOM ENLARGED PLAN
1/4" = 1'-0" | X01



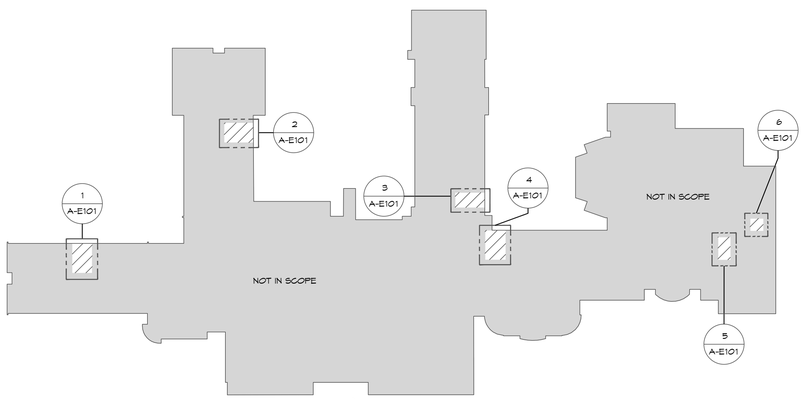
4 'E' WING TOILET ROOM ENLARGED PLAN
1/4" = 1'-0" | X01



5 'F' WING TOILET ROOMS ENLARGED PLAN
1/4" = 1'-0" | X01



6 'F' WING SHOP ROOM ENLARGED PLAN
1/4" = 1'-0" | X01



NORTH
1/64" = 1'-0" | X01

KEY PLAN

DEMOLITION NOTES

1. REMOVE LIGHT FIXTURE . REMOVE ALL WIRE AND CONDUIT BACK TO JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN EXISTING BRANCH CIRCUIT FOR NEW LIGHT FIXTURES.
2. EXISTING PANEL TO REMAIN.
3. EXISTING PANEL TO REMAIN. DISCONNECT BRANCH CIRCUIT FROM POLE POSITION LPA-3 AND RETERMINATE TO POSITION LPA-1. DISCONNECT BRANCH CIRCUIT FROM POLE POSITION LPA-4 AND RETERMINATE TO POSITION LPA-2. BREAKERS IN LPA-3 AND LPA-4 TO REMAIN FOR FUTURE HAND DRYERS. SEE NEW PLANS.
4. EXISTING PANEL TO REMAIN. DISCONNECT BRANCH CIRCUIT FROM POLE POSITION DB-3 AND DB-5 AND RETERMINATE TO POSITION DB-1. DISCONNECT BRANCH CIRCUIT FROM POLE POSITION DB-4 AND DB-6 AND RETERMINATE TO POSITION DB-2. BREAKERS IN DB-3, DB-5, DB-4, AND DB-6 TO REMAIN FOR FUTURE HAND DRYERS. SEE NEW PLANS.
5. REMOVE SWITCH. MAINTAIN BOX FOR NEW SWITCH.
6. REMOVE SWITCH. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
7. REMOVE EXISTING SPEAKER AND TURN OVER TO OWNER.
8. REMOVE EXISTING WALL MOUNTED FIRE ALARM DEVICE. REMOVE ALL ASSOCIATED WIREMOLD. PATCH AND PAINT AS REQUIRED TO MATCH EXISTING CONDITIONS.
9. WALL MOUNTED FIXTURE TO BE REMOVED AND SALVAGED. FIXTURES TO BE REINSTALLED. SEE NEW PLANS FOR MORE INFORMATION.
10. WALL MOUNTED FIXTURE TO BE REMOVE AND SALVAGED. FIXTURE TO BE RELOCATED. SEE NEW PLANS FOR MORE INFORMATION.
11. LIGHT FIXTURE TO BE REMOVED BY OTHERS.

PROJECT 'A'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

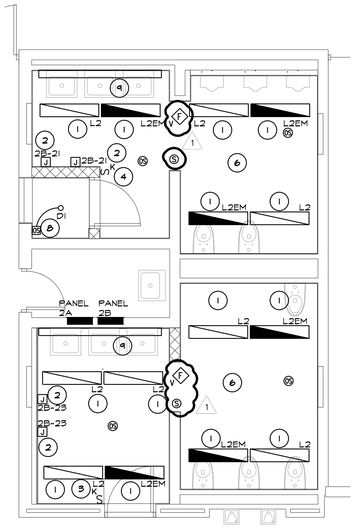
THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'A' RENOVATIONS TO:
BULLOCK CREEK HIGH SCHOOL
1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE
TOILET ROOM ELECTRICAL DEMOLITION PLANS

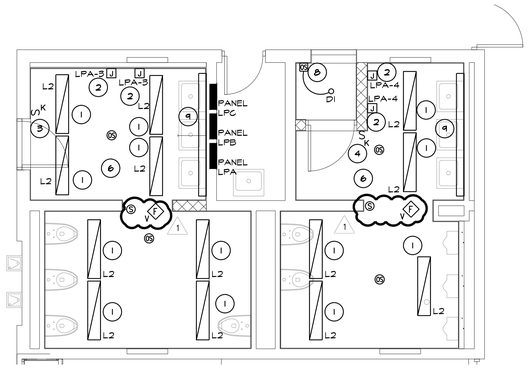
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	CHECKED RCH	CAD FILE NO. A-E101
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	SCALE AS NOTED	

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Plot date: 11/2/2026 11:56 AM



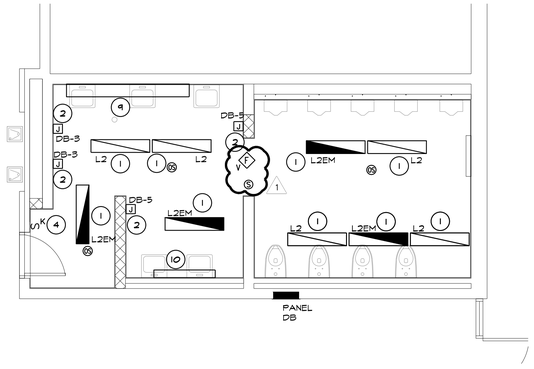
1 'A' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | X01



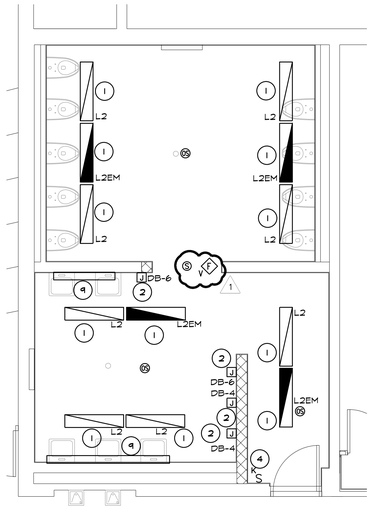
2 'B' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | X01



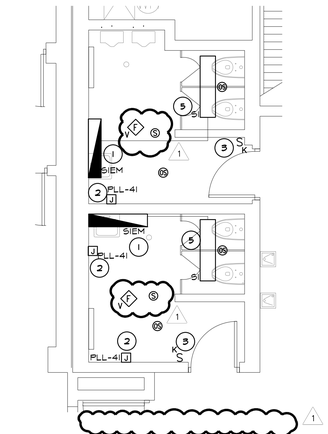
3 'D' WING TOILET ROOM ENLARGED PLAN

1/4" = 1'-0" | X01



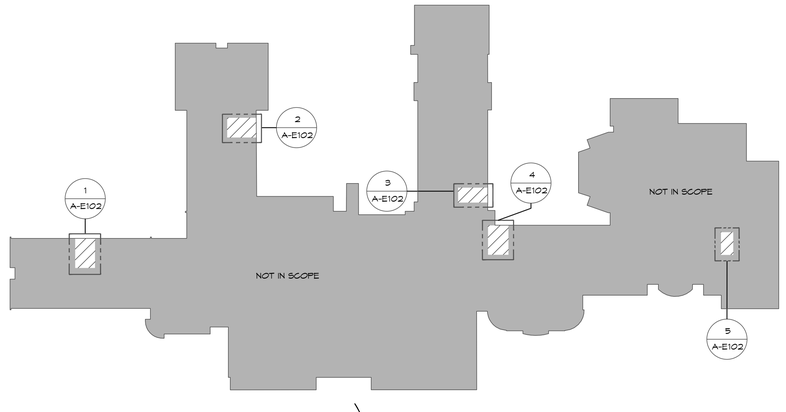
4 'E' WING TOILET ROOM ENLARGED PLAN

1/4" = 1'-0" | X01



5 'F' WING TOILET ROOMS ENLARGED PLAN

1/4" = 1'-0" | X01



NORTH KEY PLAN

1/64" = 1'-0" | X01

CONSTRUCTION NOTES

1. PROVIDE CONNECTION TO NEW LIGHT FIXTURES FROM EXISTING CIRCUIT. EXTEND BRANCH CIRCUIT FROM JUNCTION BOX TO NEW LIGHT FIXTURES.
2. PROVIDE CONNECTION TO NEW HAND DRYER FROM CIRCUIT BREAKER AS SHOWN.
3. PROVIDE NEW KEYED SWITCH IN EXISTING BOX.
4. PROVIDE NEW SWITCH FOR CONTROLS TO SPACE.
5. EXTEND LIGHTING CIRCUIT AND CONTROLS TO NEW FIXTURE. SURFACE MOUNTED CONDUIT IS ACCEPTABLE FOR EXTENSION TO NEW FIXTURES.
6. NEW CEILING MOUNTED SPEAKER. EXTEND EXISTING SPEAKER WIRE AS NEED FOR NEW SPEAKER.
7. NOT USED.
8. PROVIDE NEW WALL OCCUPANCY SENSOR/SWITCH IN EXISTING BOX.
9. REINSTALL WALL MOUNTED FIXTURE IN SAME LOCATION AFTER OTHER WORK BY OTHER TRADES IS FINISHED. EXTEND WIRE, CONDUIT, AND NEW CONTROLS TO FIXTURE.
10. RELOCATED WALL MOUNTED FIXTURE. INSTALL AFTER OTHER WORK BY OTHER TRADES IS FINISHED. EXTEND WIRE, CONDUIT, AND CONTROLS TO NEW LOCATION.

PROJECT 'A'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

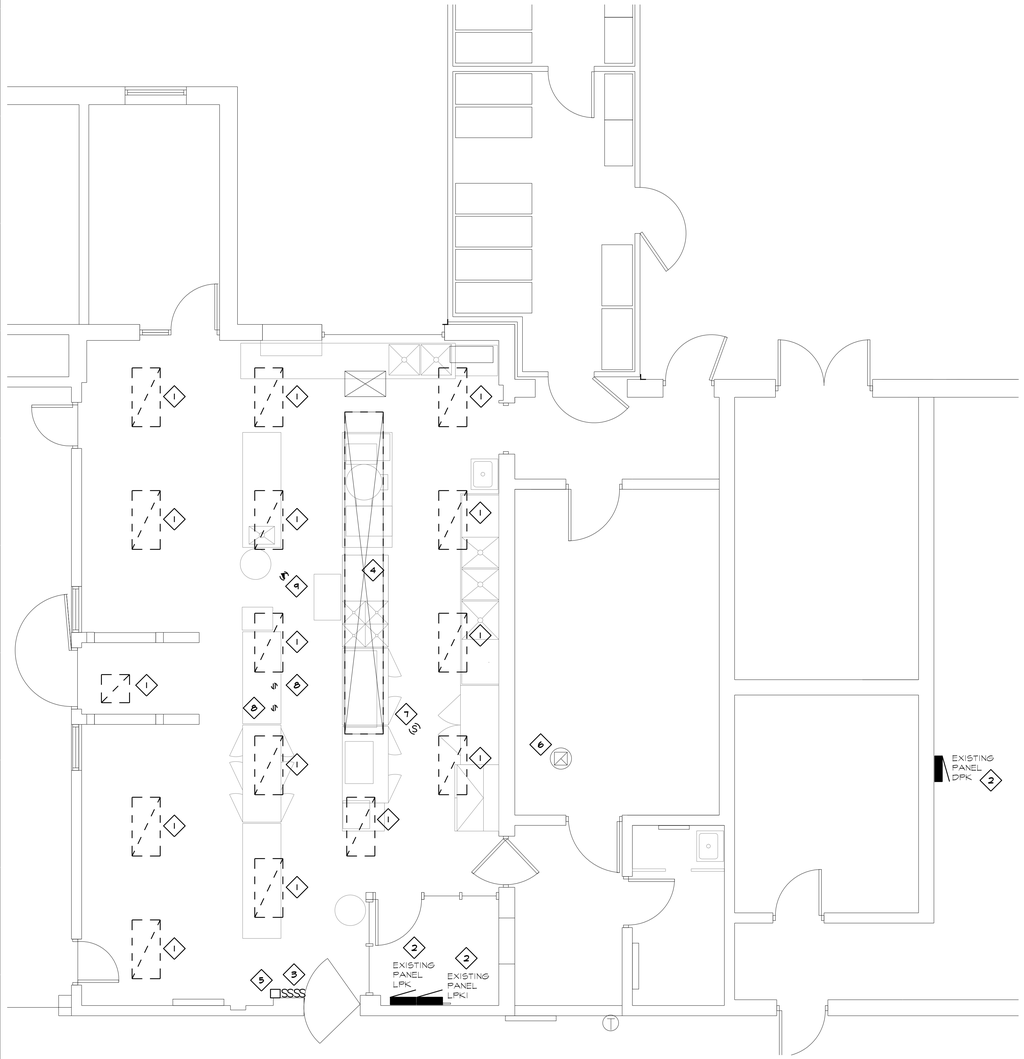
1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

TOILET ROOM ELECTRICAL PLANS

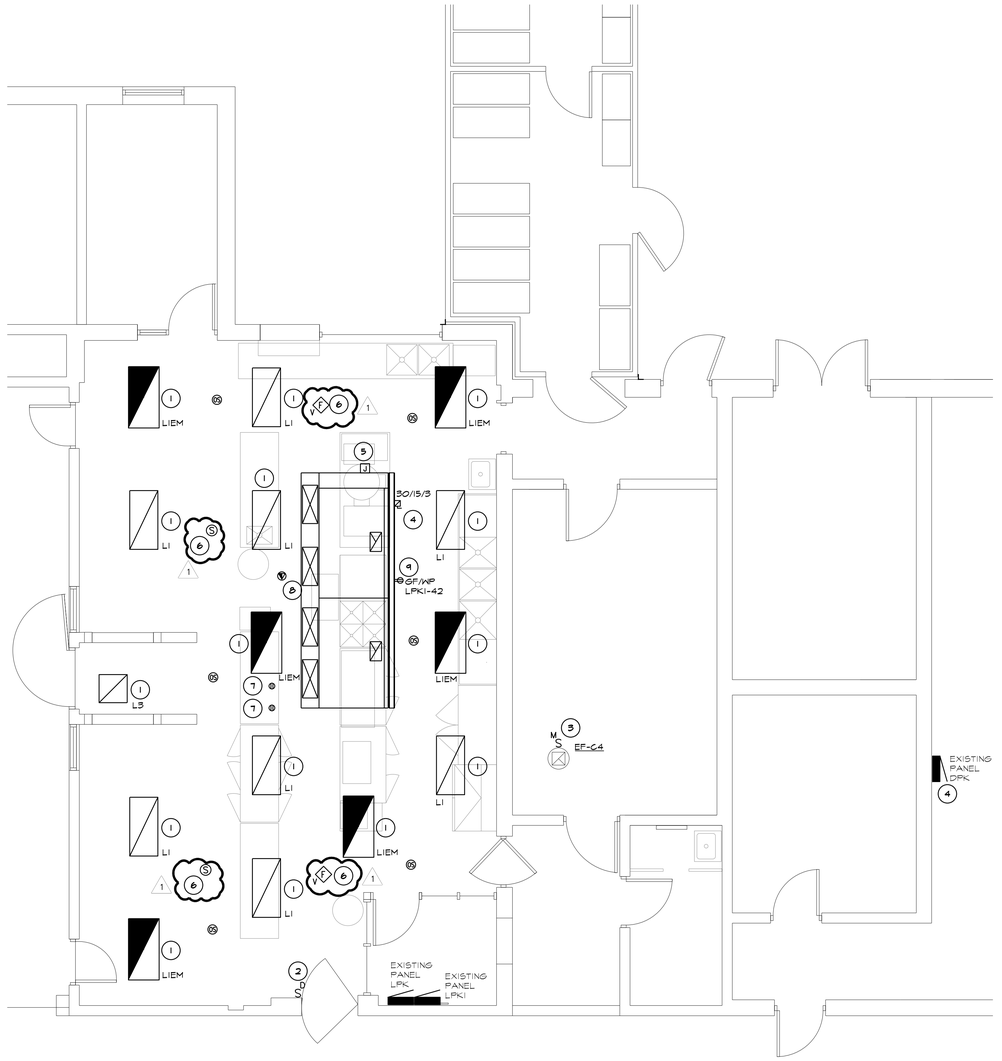
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	DATE OCT 19, 2026	SHEET NO. 18 OF 20
	SCALE AS NOTED	

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Plot date: 11/2/2026 11:58 AM



1 KITCHEN DEMOLITION ENLARGED PLAN

1/4" = 1'-0" | X01



2 KITCHEN ELECTRICAL ENLARGED PLAN

1/4" = 1'-0" | X01

DEMOLITION NOTES

1. REMOVE ALL LIGHTING IN SPACE. REMOVE ALL WIRE AND CONDUIT TO JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN EXISTING BRANCH CIRCUIT FOR NEW LIGHT FIXTURES.
2. EXISTING PANEL TO REMAIN.
3. REMOVE SWITCHES. MAINTAIN EXISTING BOX IN WALL FOR NEW SWITCH. REMOVE WIRE FROM SWITCH TO NEAREST JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN CONDUIT FOR NEW WIRING TO EXISTING BOX.
4. HOOD SYSTEM TO BE REMOVED. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
5. REMOVE HOOD SYSTEM LOCAL DISCONNECT. REMOVE WIRE AND CONDUIT BACK TO SOURCE. PROVIDE BLANK COVER PLATE.
6. EXHAUST FAN TO BE REPLACED ONE FOR ONE. PULL BACK EXISTING WIRE AND CONDUIT FOR INSTALLATION OF NEW EXHAUST FAN.
7. REMOVE FIRE ALARM DEVICE.
8. REMOVE CEILING MOUNTED RECEPTACLE FOR REINSTALLATION. REMOVE ALL WIRE AND CONDUIT TO JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN EXISTING BRANCH CIRCUIT FOR REINSTALLATION.
9. REMOVE WIRELESS ACCESS POINT FOR REINSTALLATION. REMOVE ALL WIRE AND CONDUIT TO JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN EXISTING BRANCH CIRCUIT FOR REINSTALLATION.

CONSTRUCTION NOTES

1. PROVIDE CONNECTION TO NEW LIGHT FIXTURES FROM EXISTING CIRCUIT. EXTEND BRANCH CIRCUIT FROM JUNCTION BOX TO NEW LIGHT FIXTURES.
2. PROVIDE COVER PLATE FOR 1-GANG BOX WITH A SINGLE GANG SWITCH CENTERED IN EXISTING BOX FOR NEW SWITCH.
3. PROVIDE CONNECTION TO NEW EXHAUST FAN. EXTEND WIRE AND CONDUIT AS NEEDED FOR CONNECTION TO NEW EXHAUST FAN.
4. PROVIDE CONNECTION TO NEW HOOD/MUA. PROVIDE CONNECTION FROM EXISTING CIRCUIT BREAKER IN PANEL DPK. PROVIDE NEW 15 AMP FUSES FOR SWITCH.
5. PROVIDE CONNECTION TO HOOD CONTROLLER FROM EXISTING CIRCUIT FOR HOOD LIGHTS. EXTEND WIRE AND CONDUIT AS NEED FOR A COMPLETE INSTALLATION. PROVIDE CONNECTION TO HOOD SYSTEM FROM FIRE ALARM CONTROL SYSTEM.
6. PROVIDE CONNECTION TO NEW FIRE ALARM DEVICE.
7. PROVIDE CONNECTION TO REINSTALLED ELECTRICAL DEVICE FROM EXISTING CIRCUIT. EXTEND BRANCH CIRCUIT FROM JUNCTION BOX TO REINSTALLED DEVICE.
8. PROVIDE CONNECTION TO REINSTALLED WIRELESS ACCESS POINT. EXTEND WIRE AND CONDUIT FROM JUNCTION BOX TO REINSTALLED WIRELESS ACCESS POINT.
9. PROVIDE CONNECTION TO RECEPTACLE FROM BREAKER AS SHOWN. RECEPTACLE TO BE MOUNTED ON MECHANICAL UNIT LOCATED ON ROOF.
10. PROVIDE CONNECTION TO HOOD CONTROLLER FROM EXISTING CIRCUIT FOR HOOD LIGHTS. EXTEND WIRE AND CONDUIT AS NEED FOR A COMPLETE INSTALLATION.

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'A' RENOVATIONS TO:

BULLOCK CREEK HIGH SCHOOL

1420 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

KITCHEN ELECTRICAL PLANS

SEAL	DRAWN TJA	PROJECT NO. 26-210
	CHECKED RCH	CAD FILE NO. A-E103
	REVIEWED RCH	DRAWING NO. A-E103
	DATE OCT 19, 2026	SHEET NO. 19 OF 20
	SCALE AS NOTED	

THA Architects Engineers - - - -
Plot date: 11/2/2026 11:58 AM

STANDARD ABBREVIATIONS

@	at
A/C	air conditioning
ACOUST	acoustical
AD	adjustable
AFF	above finish floor
ALT	alternate
ALUM	aluminum
ANCH	anchor, anchorage
ARCH	architect/architectural
BD	board
BIT	bituminous
BLDG	building
BLK	block
BLKG	blocking
BM	bench mark
BOTT	bottom
BRG	bearing
BSMT	basement
C/C	center to center
CAB	cabinet
CB	chalkboard/catch basin
CEM	cement
CER	ceramic
CF	cubic foot
CHWR	chilled water return
CHWS	chilled water supply
CI	cast iron
CJ	control joint
CLG	ceiling
CMU	concrete masonry unit
CO	clean out
COL	column
CONC	concrete
CONST	construction
CONT	continuous/continuing
CONTR	contract/contractor
CONV	convector
CRS	course(s)
CT	ceramic tile
CUH	cabinet unit ventilator
CW	domestic cold water
CY	cubic yard
°	degree
DET	detail
DF	drinking fountain
DIAG	diagonal
DIA or Ø	diameter
DIM	dimension
DIV	division
DP	dampproofing
DS	downspout
DWG	drawing
EA	each
EIFS	exterior insulation finish system (synthetic plaster)
ELEC	electric/electrical
EQ	equal
EQUIP	equipment
EWC	electric water cooler
EXIST	existing
EXH	exhaust
EXT	exterior
FA	fire alarm
FAI	fresh air intake
FD	floor drain
FE	fire extinguisher
FEC	fire extinguisher cabinet
FIN	finish(ed)
FL	floor(ing)
FOUND	foundation
FTR	fin tube radiation
FTG	footing
G	gas
GA	gage/gauge
GC	general contractor
GI	galvanized iron
GL	glass/glazing
GST	glazed structural tile
GALV	galvanized
HB	hose bibb
HDW	hardware
HM	hollow metal
HORIZ	horizontal
HGT	height
HTG	heating
HVAC	heating/ventilating/air conditioning
HW	domestic hot water
HWHR	hot water heating return
HWHS	hot water heating supply
HWR	domestic hot water return
ID	inside dimension
INT	interior
INV	invert
KO	knockout
LAM	laminate
LAV	lavatory
LH	left hand
LL	live load
LLH	long leg horizontal
LLV	long leg vertical
LTWT	light weight
MB	markerboard
MAS	masonry
MAX	maximum
MECH	mechanic/mechanical
MET	metal
MH	manhole
MIN	minimum
MISC	miscellaneous
MO	masonry opening
MCJ	masonry control joint
MT	metal threshold
MULL	mullion
NIC	not in contract
NO	number
NOM	nominal
NRC	noise reduction coefficient
NTS	not to scale
O/O	out to out
OA	overall
OC	on center
OD	outside diameter
OPG	opening
OPP	opposite
PCF	pounds per cubic foot
PLAS	plaster
±	plus or minus
PLF	pounds per lineal foot
PSF	pounds per square foot
PSI	pounds per square inch
PART	partition
PVC	polyvinyl chloride
PMT	pavement
R	riser/radius
RA	return air
RD	roof drain
REF.	reference
REF	refrigerator
REINF	reinforce(d)/reinforcing
RES	resilient
REV	revision(s)/revised
RH	right hand
RM	room
RO	rough opening
ROW	right of way
RS	roof sump
RWC	rainwater conductor
SAN	sanitary
SD	storm drain
SECT	section
SHT	sheet
SIM	similar
SPEC	specification(s)
SQ	square
SS	service sink
SST	stainless steel
STL	steel
STD	standard
SUSP	suspended
SYM	symmetry/symmetrical
T&G	tongue/groove
T	tread
TB	tackboard
TEL	telephone
TERR	terrazzo
THR	threshold
TV	television
TYP	typical
UH	unit heater
UR	urinal
UV	unit ventilator
V	vent
VERT	vertical
W	width/wide
W/	with
WC	water closet
WD	wood
WH	water heater
WI	wrought iron
W/O	wall to wall
WWR	welded wire reinforcement

HATCHING PATTERN KEY

BRICK · CONC BLOCK · RIGID INSUL · BATT INSUL · ACOUST TILE

CONCRETE · ASPHALT · METAL · FINISH WOOD · GYP BOARD

EARTH · SAND · GRAVEL · LUMBER · PLYWOOD

GENERAL NOTES

1. ANY PENETRATIONS OF CORRIDOR WALLS MUST MAINTAIN 1-HOUR FIRE RATING AND RESIST THE PASSAGE OF SMOKE

SYMBOLS KEY

NORTH — NORTH ARROW

100'-0" — EXISTING ELEVATION POINT

100.0 — NEW ELEVATION POINT

ELEVATION TARGET

A — COLUMN NUMBER — COLUMN CENTERLINE

1 / A1 — DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

1 / A1 — DETAIL NUMBER / SHEET NUMBER — WALL SECTION

1-A1 — DET NUM - SHT NUM — DETAIL BUBBLE

NORKROOM 101 — ROOM NAME / ROOM NUMBER — ROOM NUMBER

100 — DOOR NUMBER

100 — WINDOW NUMBER

1 / A101 — ELEVATION NUMBER / SHEET NUMBER — INTERIOR ELEVATION

001 — DEMOLITION NOTE

DEVELOPMENT DATA

APPLICABLE CODES & ORDINANCES

2021 MICHIGAN REHABILITATION CODE -ALTERATIONS LEVEL 2
2021 MICHIGAN BUILDING CODE
2021 MICHIGAN MECHANICAL CODE
2021 MICHIGAN ENERGY CODE
ASHRAE 90.1 2019

2023 NATIONAL ELECTRICAL CODE (NEC)
NFPA 101 LIFE SAFETY CODE 2012 AS ADOPTED BY MICHIGAN BUREAU OF FIRE SAFETY

BUILDING AGE: - 2009

EXISTING: E, EDUCATION

BUILDING CONSTRUCTION TYPE

EXISTING BUILDING TYPE II-B (0,0,0) NON-COMBUSTIBLE

BUILDING AREA

EXISTING GROSS AREA = 74,085 SF

BUILDING OCCUPANCY

OCCUPANT LOAD: 840

TOTAL FIXTURE COUNT REQUIRED:

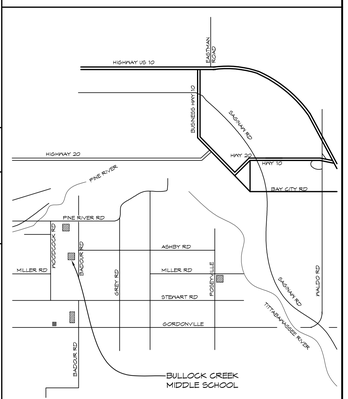
	UNI-SEX	MEN'S	WOMEN'S
TOILETS:	-	9	9
LAVATORIES:	-	9	9

TOTAL FIXTURE COUNT EXISTING:

	UNI-SEX	MEN'S	WOMEN'S
TOILETS (URINALS)	2	11(11)	18
LAVATORIES:	2	14	14

TOTAL FIXTURE COUNT PROPOSED:

	UNI-SEX	MEN'S	WOMEN'S
TOILETS (URINALS):	3	10(10)	18
LAVATORIES:	3	13	13



NORTH — NO SCALE

LOCATION MAP

BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT #26-210

1420 SOUTH BADOUR ROAD MIDLAND MI 48640

PROJECT 'B'
RENOVATIONS TO:
BULLOCK CREEK MIDDLE SCHOOL

664 SOUTH BADOUR ROAD MIDLAND MI 48640

INDEX OF DRAWINGS

B-G001 TITLE SHEET

B-A101 COMPOSITE DEMOLITION PLAN
B-A102 COMPOSITE DEMOLITION REFLECTED CEILING PLAN
B-A103 ENLARGED DEMOLITION PLANS
B-A104 COMPOSITE FLOOR PLAN
B-A105 COMPOSITE REFLECTED CEILING PLAN
B-A106 ROOF PLAN
B-A107 ENLARGED FLOOR PLANS

B-A401 INTERIOR ELEVATIONS

B-A601 ROOM FINISH SCHEDULE & DETAILS

B-M001 MECHANICAL SCHEDULES
B-M002 MECHANICAL SCHEDULES
B-M101 COMPOSITE MECHANICAL DEMOLITION PLAN
B-M102 COMPOSITE MECHANICAL ROOF DEMOLITION PLAN
B-M103 UNIT 'A' MECHANICAL FLOOR PLAN
B-M104 UNIT 'B' MECHANICAL FLOOR PLAN
B-M105 UNIT 'C' MECHANICAL FLOOR PLAN
B-M106 COMPOSITE MECHANICAL ROOF PLAN
B-M107 ENLARGED MECHANICAL PLANS
B-M108 ENLARGED GYMNASIUM & MEZZANINE MECHANICAL DEMOLITION PLAN
B-M109 ENLARGED GYMNASIUM & MEZZANINE MECHANICAL PLAN
B-M501 MECHANICAL DETAILS

B-P101 ENLARGED UNDER FLOOR PLUMBING DEMOLITION PLANS
B-P102 ENLARGED ABOVE FLOOR PLUMBING DEMOLITION PLANS
B-P103 ENLARGED LOCKER ROOM UNDER FLOOR PLUMBING PLAN
B-P104 ENLARGED LOCKER ROOM ABOVE FLOOR PLUMBING PLAN

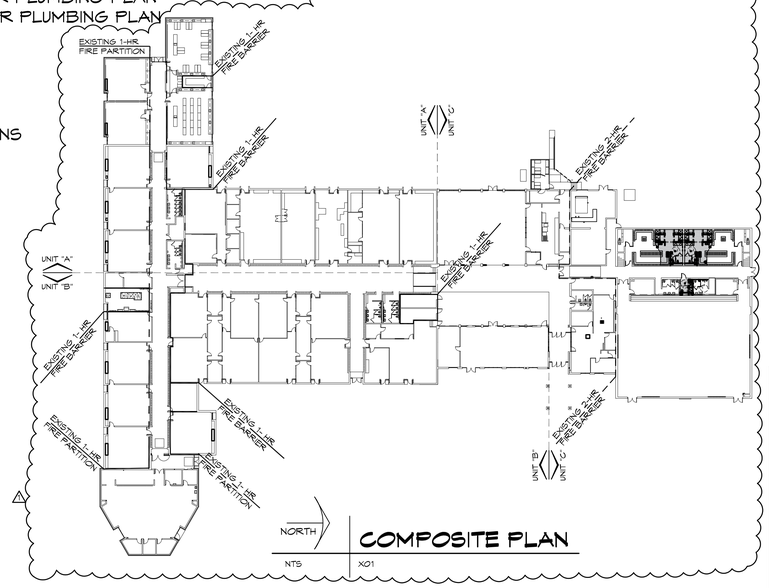
B-E000 ELECTRICAL COVER SHEET
B-E101 UNIT 'A' ELECTRICAL DEMOLITION PLAN
B-E102 UNIT 'B' ELECTRICAL DEMOLITION PLAN
B-E103 UNIT 'C' ELECTRICAL DEMOLITION PLAN
B-E104 ELECTRICAL ENLARGED DEMOLITION PLANS
B-E105 ELECTRICAL ROOF DEMOLITION PLAN
B-E106 UNIT 'A' ELECTRICAL NEW PLAN
B-E107 UNIT 'B' ELECTRICAL NEW PLAN
B-E108 UNIT 'C' ELECTRICAL NEW PLAN
B-E109 ELECTRICAL ENLARGED NEW PLANS
B-E110 ELECTRICAL ROOF PLAN
B-E601 ELECTRICAL DETAILS AND SCHEDULES

FIRE SEPARATION LEGEND

- 1-HR FIRE PARTITION
- 1-HR FIRE BARRIER
- 2-HR FIRE BARRIER
- 2-HR FIRE WALL

FIRE SEPARATION NOTES

1. ALL PENETRATIONS THROUGH EXISTING 1 HR RATED FIRE SEPARATIONS ARE TO MAINTAIN 1-HOUR RATING.
2. ALL NEW PENETRATIONS OF EXISTING JANITORS' CLOSETS, EXISTING STORAGE ROOMS, AND EXISTING MECHANICAL ROOMS MUST PROVIDE 1-HOUR RATING.
3. ALL NEW PENETRATIONS OF EXISTING 2-HOUR FIRE SEPARATION MUST PROVIDE FOR 2-HOUR RATING.



NORTH — NTS — X01

COMPOSITE PLAN

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Phone : (989) 790-9129
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www.wolgastconstruction.com

PROJECT 'B'

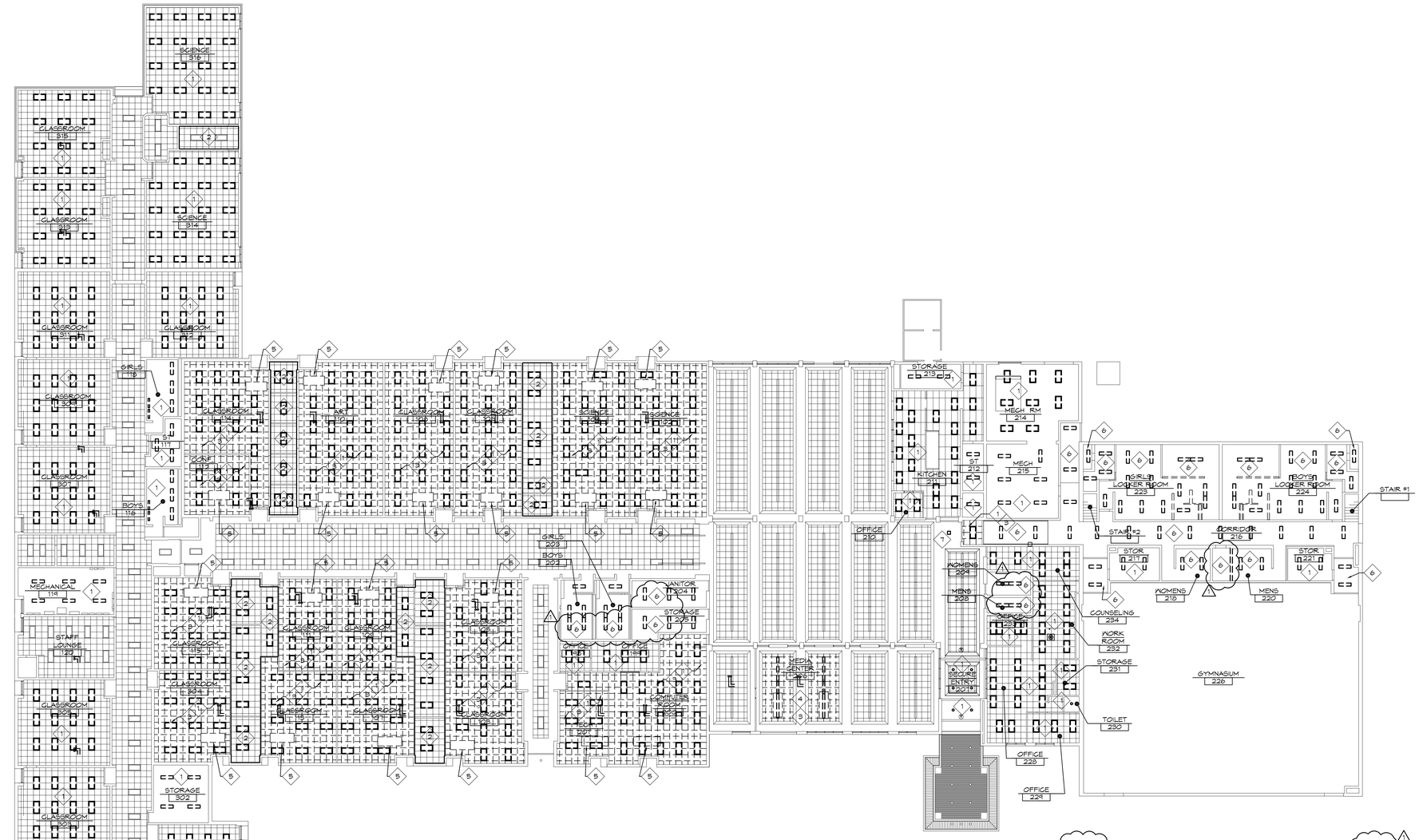
BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT# 26-210
1420 SOUTH BADOUR ROAD MIDLAND MI 48640

PROJECT 'B'
RENOVATIONS TO
BULLOCK CREEK MIDDLE SCHOOL
664 SOUTH BADOUR ROAD MIDLAND MI 48640

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. B-G001
	REVIEWED MLB	DRAWING NO. B-G001
	DATE OCT 14, 2026	SHEET NO. 1 OF 38
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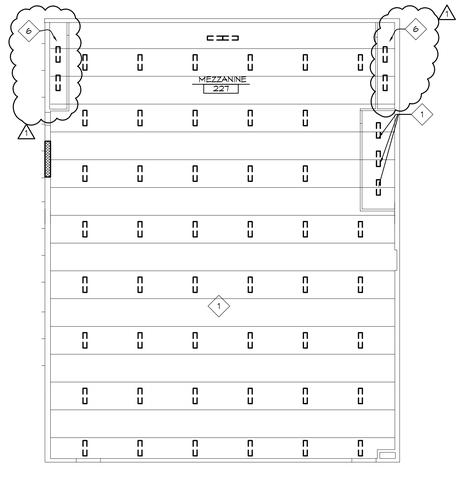
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Plot date: 11/2/2026 10:52 AM



NORTH
1/16" = 1'-0"

DEMOLITION REFLECTED CEILING PLAN

X01



NORTH
1/16" = 1'-0"

MEZZANINE DEMOLITION REFLECTED CEILING PLAN

X01

DEMOLITION GENERAL NOTES

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
2. OWNER HAS FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND EQUIPMENT BEING REMOVED.
3. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS REQUIRED OF THESE AND OTHER TRADES.
4. AT ALL DEMOLITION AREAS, PATCH AND FINISH TO MATCH EXISTING FINISHES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS ELEMENTS.
6. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL ITEMS SCHEDULED FOR REMOVAL.
7. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED. HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN.
9. REPAIR ALL WALLS, FLOORS AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES
10. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS OF THE BUILDING DURING CONSTRUCTION TO PREVENT DAMAGE, INCLUDING WEATHERPROOFING AT ALL OPENINGS.
11. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING AND DISCONNECTING ALL INCIDENTAL ITEMS.

◇ DEMOLITION NOTES

1. REMOVE EXISTING LIGHTING, REFER TO ELECTRICAL PLANS
2. ADD ALTERNATE #1: REMOVE EXISTING LIGHTING, REFER TO ELECTRICAL PLANS
3. REMOVE EXISTING LAY-IN CEILING ASSEMBLY COMPLETE, ALL CEILING MOUNTED COMPONENTS TO REMAIN SHALL BE REMOVED, SALVAGED, AND REINSTALLED ON NEW CEILING
4. REMOVE EXISTING LIGHTING AS REQUIRED FOR UNIT VENT WORK AND SALVAGE FOR REINSTALLATION
5. REMOVE EXISTING CEILING MOUNTED UNIT VENTILATOR, RE: MECHANICAL DRAWINGS
6. EXISTING PLASTER CEILING ASSEMBLY AND LIGHTING TO BE REMOVED BY OTHERS
7. EXISTING LIGHT FIXTURE TO BE REMOVED BY OTHERS

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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Ph: 810-767-5600 | THA-Flint.com

PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

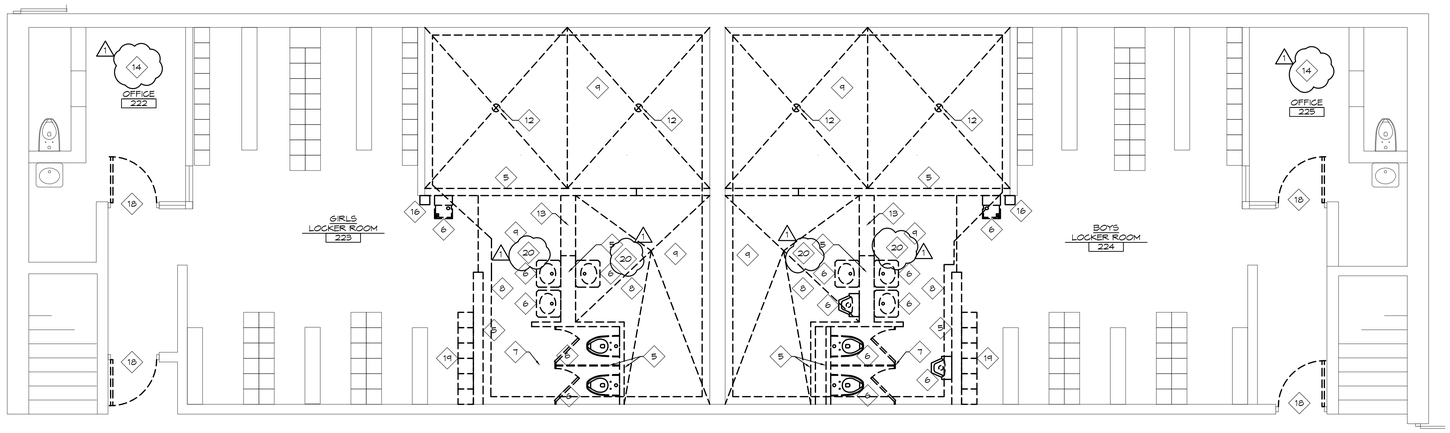
644 SOUTH BADOUR ROAD
MIDLAND, MI

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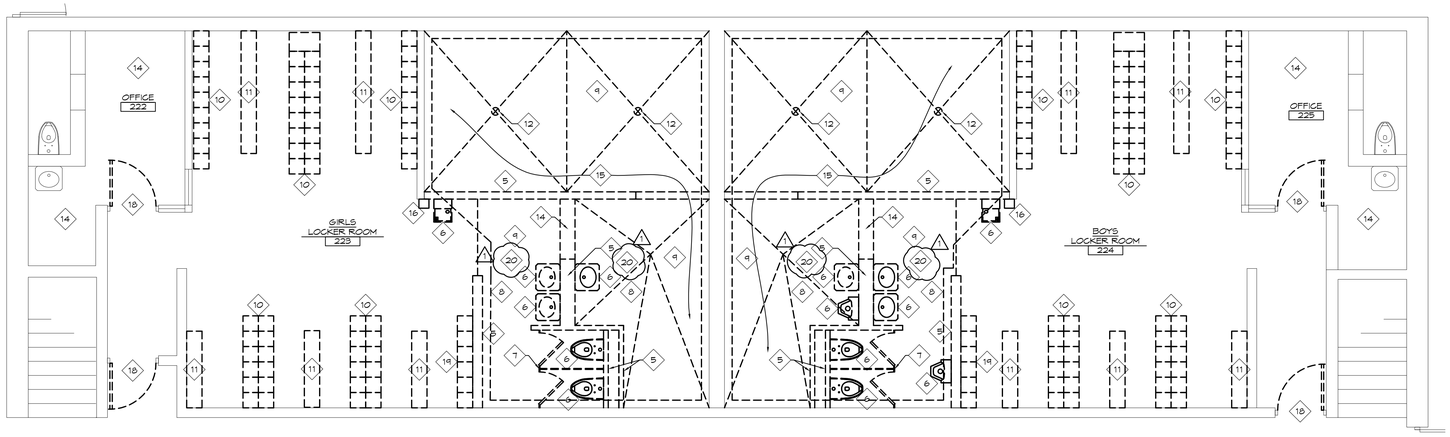
COMPOSITE DEMOLITION REFLECTED CEILING PLAN

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	CHECKED JESS	CAD FILE NO. B-A102
	REVIEWED MLB	DRAWING NO. B-A102
	DATE OCT 19, 2026	SHEET NO. 3 OF 38
	SCALE AS NOTED	

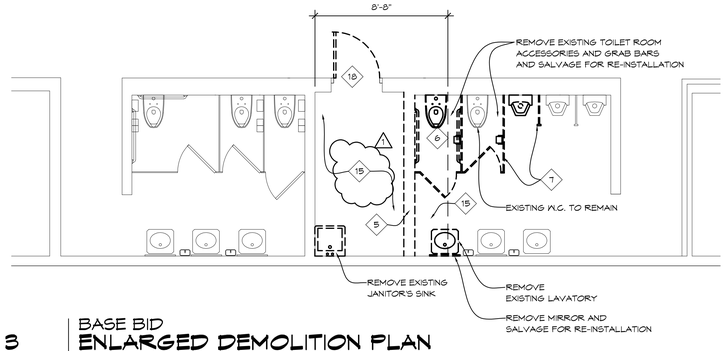
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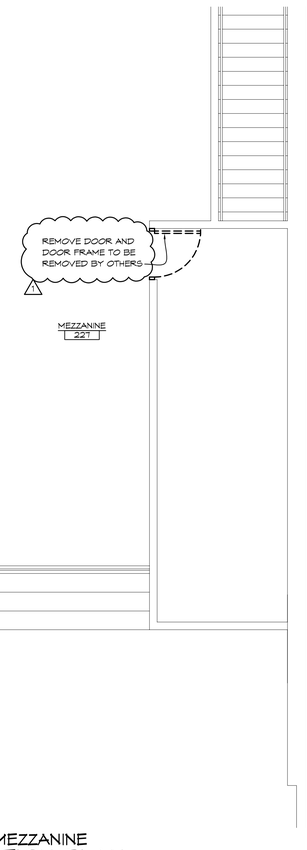
1 BASE BID
ENLARGED DEMOLITION PLAN
1/4" = 1'-0" X01



2 ADD ALTERNATE #2
ENLARGED DEMOLITION PLAN
1/4" = 1'-0" X01



3 BASE BID
ENLARGED DEMOLITION PLAN
1/4" = 1'-0" X01



4 BASE BID
PARTIAL MEZZANINE
DEMOLITION PLAN
1/4" = 1'-0" X01

DEMOLITION NOTES

1. REMOVE EXISTING FLOOR MOUNTED UNIT VENTILATORS, REFER TO MECHANICAL DRAWINGS
2. REMOVE EXISTING SHELVING AS REQUIRED FOR NEW MECHANICAL WORK.
3. REMOVE INTERIOR SHELF AND FALSE BACK FROM CABINET FOR NEW MECHANICAL WORK AND REINSTALL UPON COMPLETION, RE: 1/B-A101
4. REMOVE EXISTING WALL MAT AND SALVAGE FOR REINSTALLATION
5. REMOVE EXISTING MASONRY WALL ASSEMBLY COMPLETE
6. REMOVE EXISTING PLUMBING FIXTURE
7. REMOVE TOILET/URINAL PARTITION
8. REMOVE EXISTING TOILET ROOM ACCESSORIES
9. REMOVE EXISTING FLOOR TILE AND WALL BASE COMPLETE
10. REMOVE EXISTING LOCKERS AND LOCKER BASE (ADD ALTERNATE #2 ONLY)
11. REMOVE EXISTING BENCH (ADD ALTERNATE #2 ONLY)
12. REMOVE EXISTING SHOWER COLUMN, RE: PLUMBING PLANS
13. REMOVE EXISTING THRESHOLD
14. REMOVE EXISTING CARPET
15. SAW-CUT AND REMOVE EXISTING CONCRETE AND/OR TERRAZZO FLOOR AS REQUIRED FOR NEW WORK.
16. REMOVE PA SPEAKER, SALVAGE FOR REINSTALLATION.
17. NOT USED.
18. REMOVE EXISTING DOOR. DOOR FRAME TO REMAIN.
19. REMOVE EXISTING LOCKERS AND LOCKER BASE. (BASE BID AND ADD ALTERNATE #2)
20. EXISTING MIRRORS TO BE REMOVED BY OTHERS.

DEMOLITION GENERAL NOTES

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
2. OWNER HAS FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND EQUIPMENT BEING REMOVED.
3. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS REQUIRED OF THESE AND OTHER TRADES.
4. AT ALL DEMOLITION AREAS, PATCH AND FINISH TO MATCH EXISTING FINISHES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS ELEMENTS.
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8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN.
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PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

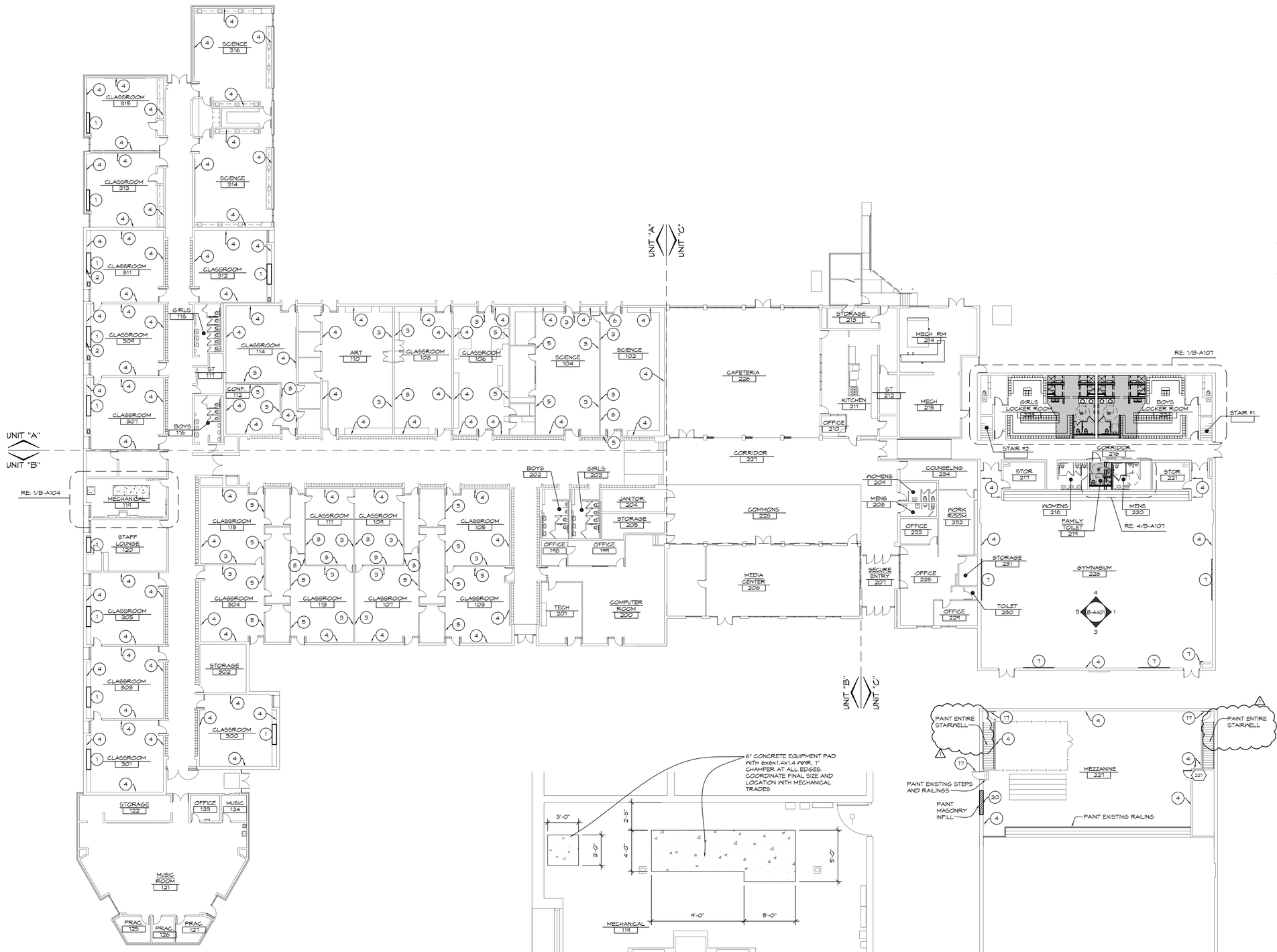
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PROJECT 'B' RENOVATIONS TO:
BULLOCK CREEK MIDDLE SCHOOL
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE
ENLARGED DEMOLITION PLANS

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. B-A103
	REVIEWED MLB	DRAWING NO. B-A103
	DATE OCT 19, 2026	SHEET NO. 4 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC-MS-BA-103 ENLARGED DEMOLITION PLANS.dwg
Plot date: 10/30/2026 9:09 AM



NORTH
1/16" = 1'-0"

COMPOSITE FLOOR PLAN

X01

1

MECHANICAL FLOOR PLAN

1/4" = 1'-0"

X01

NORTH
1/16" = 1'-0"

MEZZANINE FLOOR PLAN

X01

GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION VARIES, SEE PLAN.
2. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, AND/OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
4. COORDINATE ALL WORK WITH GENERAL, MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL OPENINGS REQUIRED OF THESE AND OTHER TRADES.
5. REPAIR ALL WALLS, AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS TO REMAIN DURING CONSTRUCTION TO PREVENT DAMAGE.
7. TOUCH UP PAINT AT ALL AREAS DISTURBED BY DEMOLITION AND NEW WORK.
8. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
9. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.

PROJECT 'B'

CONSTRUCTION NOTES

1. UNIT VENTILATOR, RE: MECHANICAL
2. REINSTALL SHELVING
3. PAINT EXISTING GYPSUM BOARD WALL
4. PAINT EXISTING CMU WALL
5. PAINT EXISTING WALL COVERING
6. REPAIR EXISTING GYPSUM BOARD WALL
7. REINSTALL SALVAGED WALL MAT
8. NEW PLUMBING FIXTURE, RE: PLUMBING DRAWINGS
9. TOILET PARTITION, RE: SPEC
10. LOCKERS, RE: SPEC
11. SOLID SURFACE VANITY, RE: 4/B-A601
12. FIXED SHOWER BENCH, RE: 2/B-A601
13. FOLDING PH SHOWER BENCH, RE: SPEC
14. CLOTHES HOOK RE: SPEC - TYPICAL AT EACH SHOWER
15. TOWEL PIN RE: SPEC - TYPICAL AT EACH SHOWER
16. SHOWER CURTAIN AND ROD, RE: SPEC
17. PAINT EXISTING DOOR AND DOOR FRAME
18. NEW VCT FLOORING AND WALL BASE
19. CONCRETE LOCKER BASE, RE: 1/B-A601
20. INFILL EXISTING MASONRY WALL. TOOTH AND KEY NEW MASONRY INTO EXISTING.

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

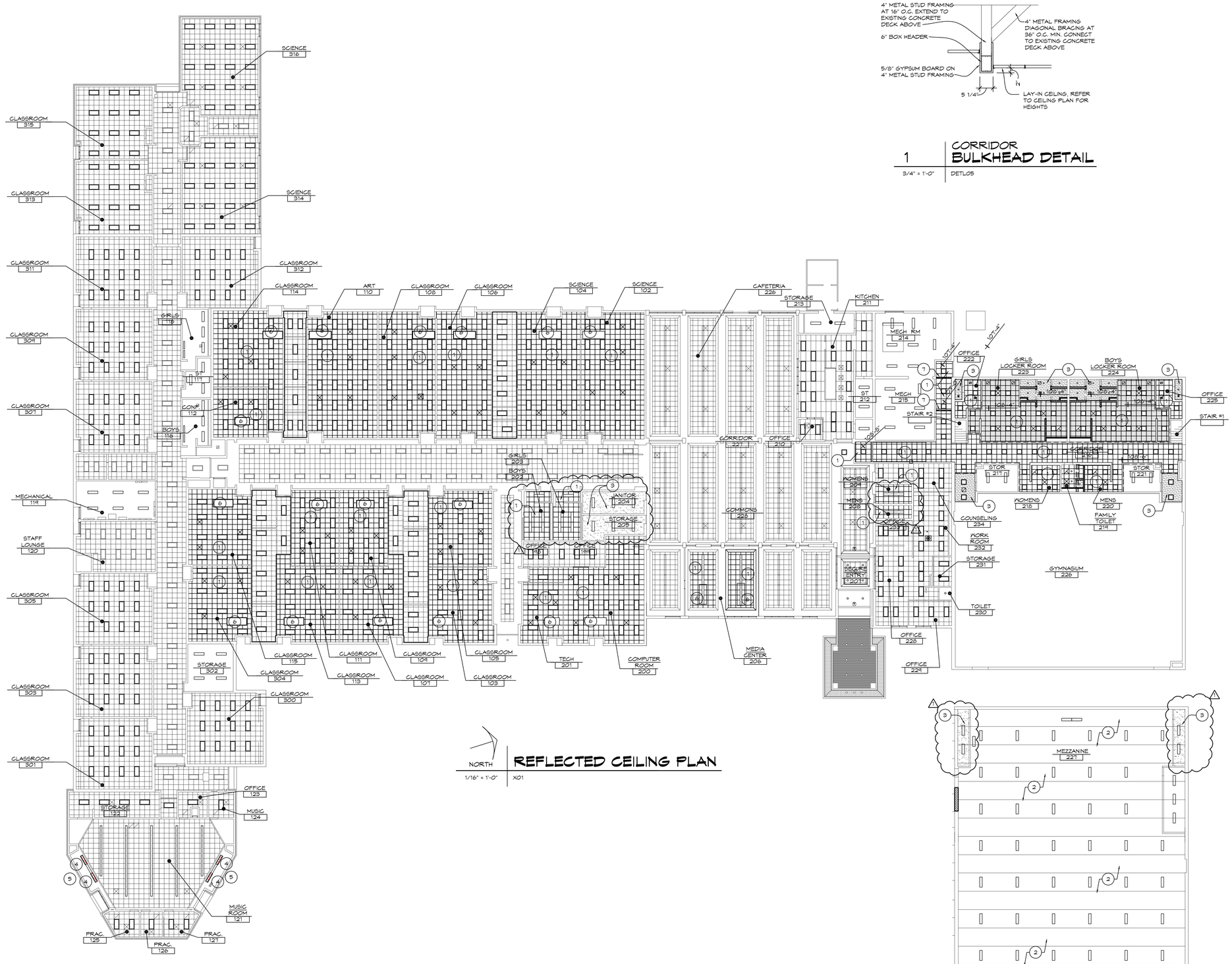
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

COMPOSITE FLOOR PLAN

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. B-A104
	REVIEWED MLB	DRAWING NO. B-A104
	DATE OCT 14, 2026	SHEET NO. 5 OF 38
	SCALE AS NOTED	

THA Architects Engineers • P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC-MS-B-A104 COMPC
Plot date: 10/30/2026 9:12 AM



NORTH | 1/16" = 1'-0"

REFLECTED CEILING PLAN

X01

NORTH | 1/16" = 1'-0"

MEZZANINE REFLECTED CEILING PLAN

X01

1 | 3/4" = 1'-0"

CORRIDOR BULKHEAD DETAIL

DETL05

GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION VARIES, SEE PLAN.
2. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, AND/OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
4. COORDINATE ALL WORK WITH GENERAL, MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL OPENINGS REQUIRED OF THESE AND OTHER TRADES.
5. REPAIR ALL WALLS, AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS TO REMAIN DURING CONSTRUCTION TO PREVENT DAMAGE.
7. TOUCH UP PAINT AT ALL AREAS DISTURBED BY DEMOLITION AND NEW WORK.
8. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
9. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.

CEILING NOTES

1. NEW LAY-IN CEILING ASSEMBLY, REINSTALL ALL SALVAGED CEILING MOUNTED COMPONENTS
2. PAINT EXISTING EXPOSED STRUCTURE COMPLETE INCLUDING ALL EXISTING AND NEW DUCTWORK
3. 5/8" GYPSUM BOARD CEILING ON 3 5/8" METAL STUD FRAMING AT 16" O.C., PAINT (PROVIDE M.P. PAINT IN SHOWER AREAS).
4. INFILL GYPSUM BOARD WHERE RECESSED LIGHT FIXTURE WAS REMOVED.
5. PAINT EXISTING GYPSUM BOARD BULKHEAD TO MATCH EXISTING.
6. NEW UNIT VENTILATOR, REFER TO MECHANICAL PLANS.
7. 5/8" GYPSUM BOARD BULKHEAD ON 4" METAL STUD FRAMING, RE: 1/B-A105.

CEILING LEGEND

- NEW 2X2 LIGHT FIXTURE, RE: ELECTRICAL PLANS
- NEW 2X4 LIGHT FIXTURE, RE: ELECTRICAL PLANS
- NEW CAN LED FIXTURE, RE: ELECTRICAL PLANS
- 2X2 SUSPENDED ACOUSTIC CEILING - TYPE 'A'
- NEW ACOUSTICAL METAL PANEL CEILING ASSEMBLY, RE: SPEC
- IMPACT RESISTANT GYPSUM BOARD CEILING/BULKHEAD ON 3 5/8" METAL STUD FRAMING AT 16" O.C., PAINT
- PROVIDE 60 MIN. FIRE RATING ABOVE NEW LAY-IN CEILING

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

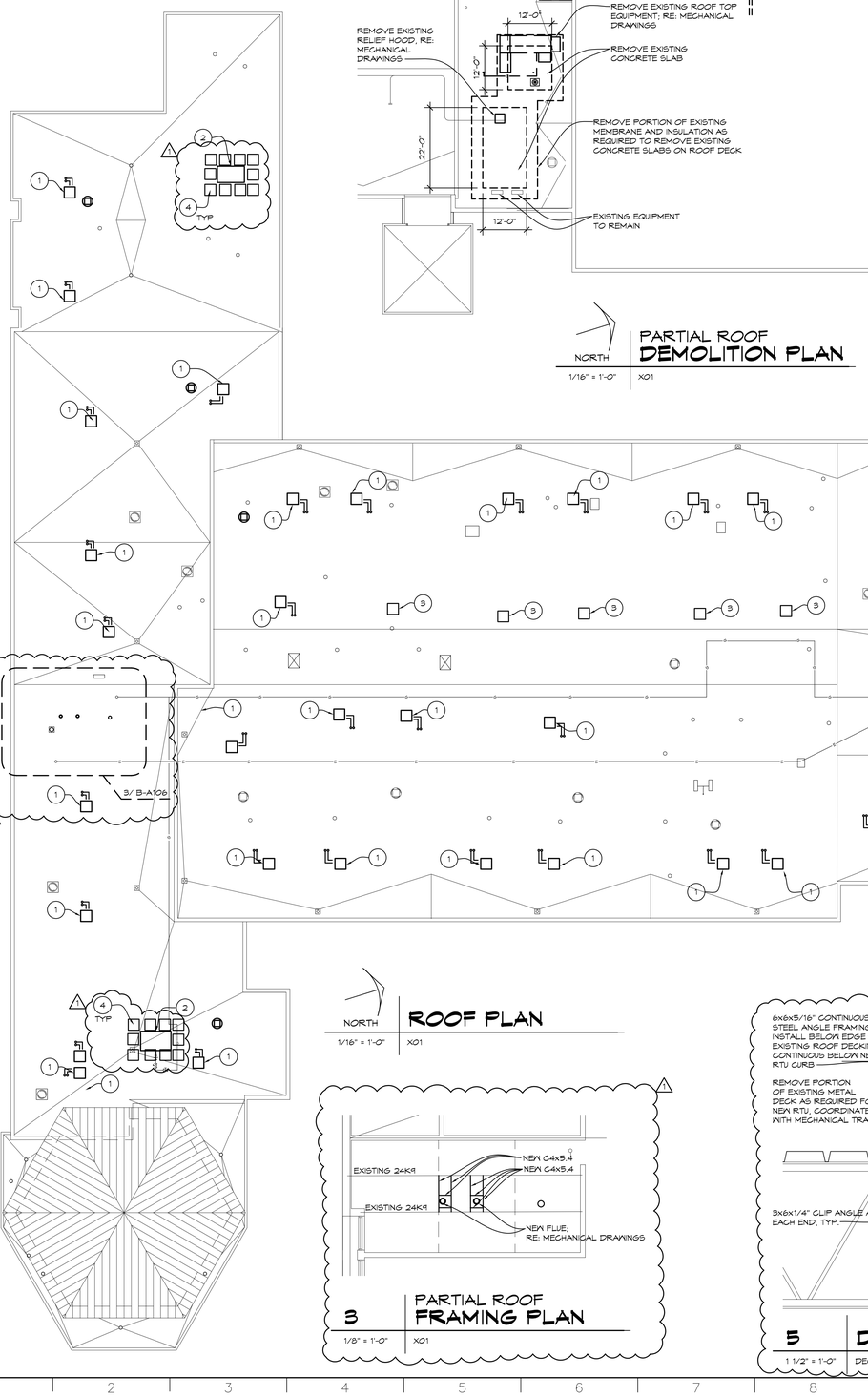
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE
COMPOSITE REFLECTED CEILING PLAN

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. B-A105
	REVIEWED MLB	DRAWING NO. B-A105
	DATE OCT 19, 2026	SHEET NO. 6 OF 38
	SCALE AS NOTED	

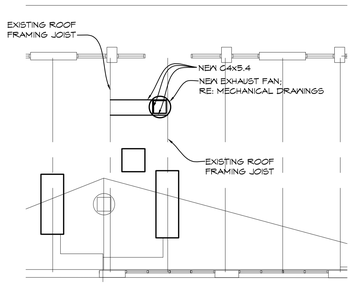
THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01.CAD\02.DD\DC MS\B-A105 REFLEC
Plot date: 10/30/2026 9:13 AM

PROJECT 'B'



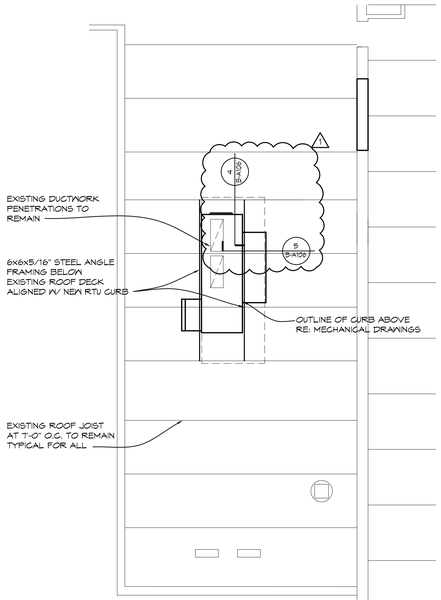
PARTIAL ROOF DEMOLITION PLAN

XO1



2 PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0" | XO1



1 PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0" | XO1

ROOF PLAN

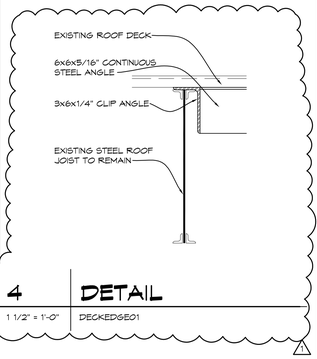
XO1

3 PARTIAL ROOF FRAMING PLAN

1/8" = 1'-0" | XO1

5 DETAIL

1 1/2" = 1'-0" | DECKEDGE01



4 DETAIL

1 1/2" = 1'-0" | DECKEDGE01

ROOFING GENERAL NOTES

1. DIMENSIONS SHOWN ON PLAN ARE SHOWN TO THE EXTENT KNOWN AND SHOULD BE USED AS A GUIDE ONLY. BIDDER/CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND WILL BE RESPONSIBLE FOR ANY VARIATION FROM THE DRAWINGS.
2. ROOFING SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ROOF MANUFACTURER'S DETAILS AND SPECIFICATIONS.
3. INSTALL INSULATION CRICKETS AS REQUIRED TO PROVIDE DRAINAGE AROUND EQUIPMENT AND ALL MAJOR ROOF PENETRATIONS.
4. EXHAUST FANS, VENTS AND OTHER ROOF PENETRATIONS ARE SHOWN TO THE EXTENT KNOWN AND SHOULD BE USED AS A GUIDE ONLY. ALL BIDDERS SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.
5. REMOVE ALL METAL ROOF EDGE, CAPPING AND MEMBRANE FLASHINGS.
6. INSTALL FLASHINGS AND FASCIAS WITH NECESSARY NAILERS, TERMINATION BARS OR COUNTER FLASHINGS.
7. REMOVE ROOF SUMP GRATES, CLEAN AND ROD SUMP LINES AND REINSTALL GRATES.
8. ADJUST HEIGHT OF EXISTING ROOF TOP EQUIPMENT TO PROVIDE MINIMUM 8" FLASHING HEIGHT.
9. COORDINATE ALL WORK WITH GENERAL, MECHANICAL, AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL OPENINGS REQUIRED OF THESE AND OTHER TRADES.
10. REMOVE EXISTING PIPE SUPPORTS, PROVIDE NEW SUPPORTS, REFER TO SPEC. PROVIDE WALKWAY PADS BELOW EACH SUPPORT INCLUDING METAL SUPPORTS THAT REMAIN.

CONSTRUCTION NOTES

1. NEW CONDENSER UNIT. PROVIDE WALKWAY PAD BELOW, RE: MECHANICAL. PROVIDE NEW FLASHING AROUND MECHANICAL AND ELECTRICAL LINES AS REQUIRED.
2. NEW ROOFTOP UNIT, RE: MECHANICAL. PROVIDE NEW FLASHING AROUND MECHANICAL AND ELECTRICAL LINES AS REQUIRED.
3. REPAIR EXISTING ROOF PENETRATIONS WHERE CONDENSATE AND ELECTRICAL LINES WERE REMOVED
4. PROVIDE NEW WALKING PADS.

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

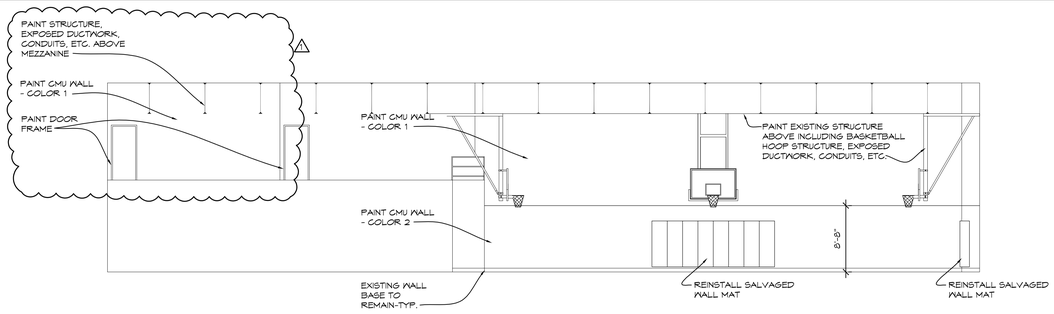
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

ROOF PLAN

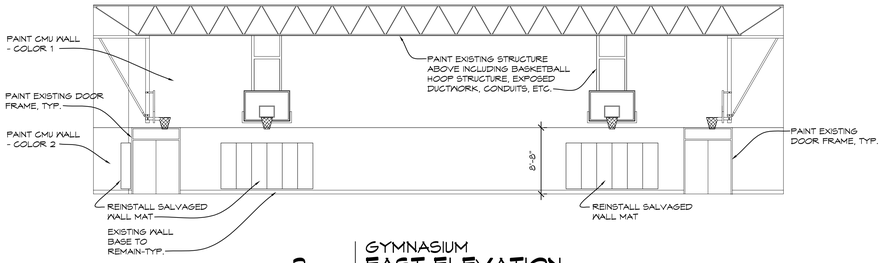
SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. B-A106
	REVIEWED MLB	DRAWING NO. B-A106
	DATE OCT 19, 2026	SHEET NO. 7 OF 36
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC MS-BA106 ROOF P
Plot date: 11/2/2026 3:51 PM



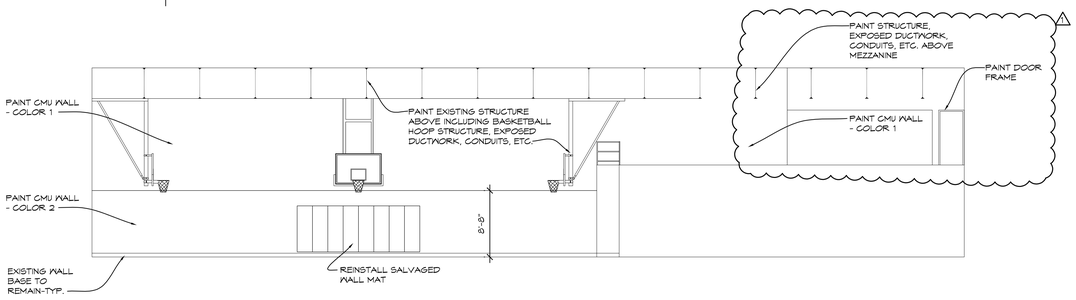
1 GYMNASIUM NORTH ELEVATION

1/8" = 1'-0" | ELEV01



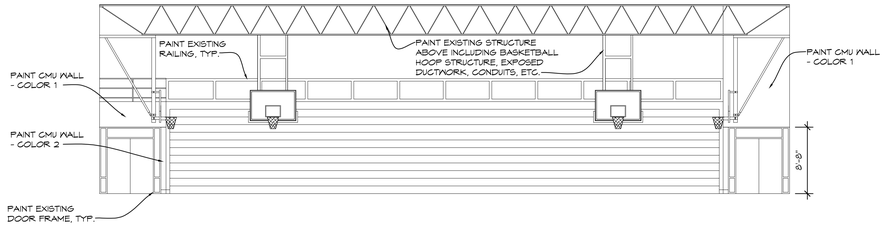
2 GYMNASIUM EAST ELEVATION

1/8" = 1'-0" | ELEV01



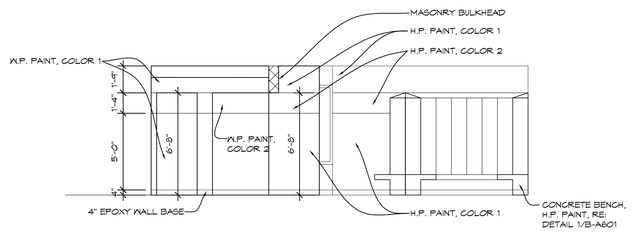
3 GYMNASIUM SOUTH ELEVATION

1/8" = 1'-0" | ELEV01



4 GYMNASIUM WEST ELEVATION

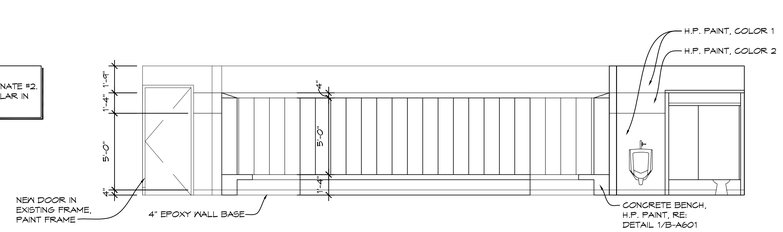
1/8" = 1'-0" | ELEV01



5 LOCKER ROOM NORTH ELEVATION

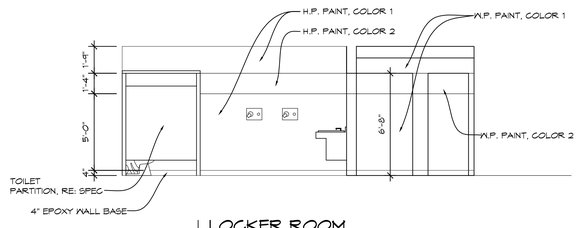
1/4" = 1'-0" | ELEV01

NOTE: LOCKER ROOM ELEVATIONS SHOW ALTERNATE #2. PAINT SCHEME TO BE SIMILAR IN BOTH OPTIONS.



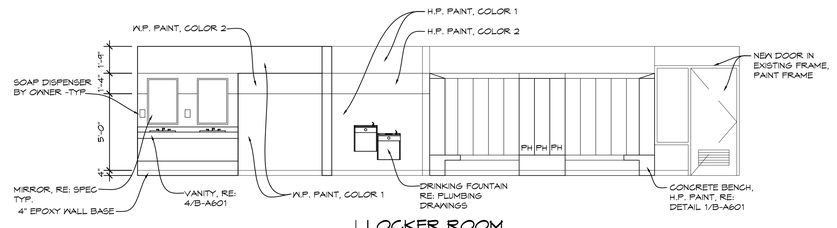
6 LOCKER ROOM EAST ELEVATION

1/4" = 1'-0" | ELEV01



7 LOCKER ROOM SOUTH ELEVATION

1/4" = 1'-0" | ELEV01



8 LOCKER ROOM WEST ELEVATION

1/4" = 1'-0" | ELEV01

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

644 SOUTH BADGUR ROAD
MIDLAND, MI

DRAWING TITLE

INTERIOR ELEVATIONS

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. B-A401
	REVIEWED MLB	DRAWING NO. B-A401
	DATE OCT 19, 2026	SHEET NO. 9 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P: Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC MS\B-A401 INTERI
Plot date: 11/2/2026 12:04 PM

SYMBOLS & ABBREVIATIONS LEGEND

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BFF	BELOW FINISH FLOOR
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CONDENSATE
CB	COMBINATION UNIT
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
COND	CONDENSATE
CONT	CONTINUATION
CUH	CABINET UNIT HEATER
CW	COLD WATER
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
°F	DEGREE FAHRENHEIT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FPM	FEET PER MINUTE
FT	FEET
G	GAS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HW	HOT WATER
HW (140)	HOT WATER (140 °F)
HWHR	HOT WATER HEATING RETURN
HWHS	HOT WATER HEATING SUPPLY
HWR	HOT WATER RETURN
HWR (140)	HOT WATER RETURN (140 °F)
KW	KILOWATT
L OR LAV	LAVATORY
MBH	ONE THOUSAND BTUH
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MTD	MOUNTED
PH	PHASE
PSI	POUND PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RD	ROOF DRAIN
RE:	REFER TO DRAWING
RG	RETURN GRILLE
RH	RELIEF HOOD
RTU	ROOFTOP UNIT
S	SINK
SA	SUPPLY AIR
SAN	SANITARY
SG	SUPPLY GRILLE
SP	STATIC PRESSURE
SS	SERVICE SINK
ST	STORM
UH	UNIT HEATER
UR	URINAL
UV	UNIT VENTILATOR
V	VENT OR VOLT
VA	VALVE
VTR	VENT THRU ROOF
W	WASTE OR WATT
WC	WATER CLOSET
WH	WATER HEATER
WV	WASTE & VENT

CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HW (140)	DOMESTIC HOT WATER 140F DEG
HWR	DOMESTIC HOT WATER RETURN
HWR (140)	DOMESTIC HOT WATER RETURN 140F DEG
C	CONDENSATE
G	GAS
SAN	SANITARY
V	VENT
STM	STORM
HWHS	HOT WATER HEATING SUPPLY
HWHR	HOT WATER HEATING RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
	PIPE DROP
	PIPE RISE
	ARROW INDICATES DIRECTION OF FLOW
	BALL VALVE
	GATE VALVE
	UNION
	PRESSURE GAUGE W/ SHUTOFF
	STRAINER
	CHECK VALVE
	THERMOMETER W/ SHUTOFF
	THREE WAY CONTROL VALVE
	PETE'S PLUG (TEMPERATURE-PRESSURE TEST FITTING)
MV	MANUAL AIR VENT
AAV	AUTOMATIC AIR VENT
	FLOW CONTROL
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	NON FREEZE WALL HYDRANT
	FLOOR CLEANOUT
T	THERMOSTAT
CO2	CARBON DIOXIDE SENSOR

10x8	DUCT SIZE/CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
100	ROUND DUCT DIAMETER SIZE
	VOLUME DAMPER IN DUCT
	DUCT DOWN
	SLOT DIFFUSER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN DIFFUSER
	CEILING EXHAUST DIFFUSER
T	THERMOSTAT
	HORIZONTAL FIRE DAMPER W/ACCESS DOOR
	VERTICAL FIRE DAMPER W/ACCESS DOOR
SD	HORIZONTAL SMOKE DAMPER W/ACCESS DOOR
SD	VERTICAL SMOKE DAMPER W/ACCESS DOOR
	DIRECTION OF AIR FLOW
	HOOD EXHAUST DUCT
	HOOD SUPPLY AIR DUCT
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR RETURN DUCT UP
	RECTANGULAR EXHAUST DUCT UP
	RECTANGULAR SUPPLY DUCT DN
	RECTANGULAR RETURN DUCT DN
	RECTANGULAR EXHAUST DUCT DN
	ELBOW WITH TURNING VANES

PLUMBING FIXTURE SCHEDULE

WC-1
NEW WATER CLOSET - AMERICAN STANDARD MODEL "AFWALL" - 2257.101, WALL MOUNTED, SIPHON JET VITREOUS CHINA, ELONGATED BOWL. PROVIDE MANUAL FLUSH VALVE ZURN MODEL Z6000AV, ALL METAL, DUAL SEAL DIAPHRAGM, BEMIS SEAT MODEL 1955SSCT, WHITE OPEN FRONT, SELF-SUSTAINING HINGE.

WC-2 (PH)
NEW WATER CLOSET - AMERICAN STANDARD MODEL "AFWALL" - 2257.101, WALL MOUNTED AT 16-1/2" HIGH, SIPHON JET VITREOUS CHINA, ELONGATED BOWL. PROVIDE MANUAL FLUSH VALVE ZURN MODEL Z6000AV, ALL METAL, DUAL SEAL DIAPHRAGM, BEMIS SEAT MODEL 1955SSCT, WHITE OPEN FRONT, SELF-SUSTAINING HINGE.

UR-1
NEW URINAL AMERICAN STANDARD MODEL "WASHBROOK" 6590.011EG, WALL HUNG, VITREOUS CHINA, 3/4" TOP SPUD, WHITE, WASH OUT URINAL, INTEGRAL TRAP. PROVIDE WITH MANUAL FLUSH VALVE ZURN MODEL Z6003-XL1, ALL METAL, DUAL SEAL DIAPHRAGM, 1.0 GALLON FLUSH, STOP, VACUUM BREAKER, ETC. PROVIDE HANGERS FOR SUPPORT.

L-1
NEW LAVATORY AMERICAN STANDARD MODEL "AQUALYN" 0476.028, COUNTER MOUNTED, VITREOUS CHINA, 4" CENTERS. PROVIDE AMERICAN STANDARD FAUCET MODEL 6114.116.002, CHROME PLATED BRASS, CERAMIC DISC VALVE CARTRIDGE, LEAD FREE, HOT HIGH LIMIT, VANDAL-RESISTANT AERATOR, ASSE 1070 MIXING VALVE, GRID STRAINER, CHROME PLATED P-TRAP, STOPS, ETC.

L-2
NEW LAVATORY AMERICAN STANDARD "LUCERNE" MODEL 0355.012, WALL MOUNTED, VITREOUS CHINA, 4" CENTERS. PROVIDE W/ CARRIER. PROVIDE AMERICAN STANDARD FAUCET MODEL 6114.116.002, CHROME PLATED BRASS, CERAMIC DISC VALVE CARTRIDGE, LEAD FREE, HOT HIGH LIMIT, VANDAL-RESISTANT AERATOR, ASSE 1070 MIXING VALVE, GRID STRAINER, CHROME PLATED P-TRAP, STOPS, ETC. PROVIDE CARRIER AND CONCEAL ARMS FOR SUPPORT. PROVIDE WITH LAV SHIELD COVER BELOW LAVATORY

SH-1
SYMMONS HYDAPIPE MODEL 1-8025, DOUBLE OUTLET, VANDAL RESISTANT HEAD AND SOAP TRAY. PROVIDE WITH ASSE 1016 APPROVED MIXING VALVE.

SH-2 (PH)
SYMMONS HYDAPIPE MODEL 1-8025-FS, DOUBLE OUTLET, VANDAL RESISTANT HEAD, 4-458 DOUBLE OUTLET DIVERTED WITH VOLUME CONTROL, 8'-0" HAND HELD SHOWER WITH SLIDE BAR HOSE, VACUUM BREAKER AND SOAP TRAY. PROVIDE WITH ASSE 1016 APPROVED MIXING VALVE.

EWC
ELKAY TWO LEVEL ELECTRIC WATER COOLER MODEL LZSTL8WS, ADA, DUAL HEIGHT, FRONT PUSH BUTTONS, 8 GPH, QUICK FILTER CHANGE, WATER FILTER CERTIFIED WITH NSF/ANSI 61 & 372 FOR STATE LOW LEAD REQUIREMENT, 120V-1P.

SEE PLUMBING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND LISTED EQUIVALENT MANUFACTURES. PROVIDE NEW TRAPS, STOPS, RISERS, TAIL PIECES, ETC. FOR NEW AND EXISTING FIXTURES FOR COMPLETE PROJECT.

UNIT VENTILATOR SCHEDULE

TAG	TRANE MODEL #	CFM	MIN OA	MOTOR HP	HOT WATER HEAT CAPACITY MBH	HW GPM	HW DEL-T	HW EAT	HW LAT	COOLING MBH TOTAL	COOLING MBH SENSIBLE	CW EAT	CW LAT	VOLTAGE	MCA	MOP	NOTES
UV-1	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-2	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-3	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-4	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-5	VUVE0750	750	200	0.24 HP	40.11	4	19.76	55	111.83	24.39	16.61	80	56.65	115V-1P	4.19	15	1,3
UV-6	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-7	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-8	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-9	VUVE1250	1250	400	0.24 HP	98.11	5.5	35.34	55	140.84	95.04	24.65	80	58.62	115V-1P	8.38	15	1,3
UV-10	VUVE1250	1250	400	0.24 HP	98.11	5.5	35.34	55	140.84	95.04	24.65	80	58.62	115V-1P	8.38	15	1,3
UV-11	VUVE1250	1250	400	0.24 HP	72.18	7	20.65	55	112.27	95.13	25.83	80	59.7	115V-1P	8.38	15	1,3
UV-12	HUVC12510	1250	300	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-13	HUVC07510	750	200	1 HP	60.90	4	30	60	134.09	19.92	15.06	80	--	120V-1P	15	--	2,3
UV-14	HUVC15010	1500	500	1 HP	102.98	7	51.5	60	127.62	38.64	29.96	80	--	120V-1P	15	--	2,3
UV-15	HUVC15010	1500	500	1 HP	102.98	7	51.5	60	127.62	38.64	29.96	80	--	120V-1P	15	--	2,3
UV-16	HUVC15010	1500	500	1 HP	102.98	7	51.5	60	127.62	38.64	29.96	80	--	120V-1P	15	--	2,3
UV-17	HUVC15010	1500	550	1 HP	102.98	7	51.5	60	127.62	38.64	29.96	80	--	120V-1P	15	--	2,3
UV-18	HUVC15010	1500	550	1 HP	102.98	7	51.5	60	127.62	38.64	29.96	80	--	120V-1P	15	--	2,3
UV-19	HUVC12510	1250	400	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-20	HUVC12510	1250	350	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-21	HUVC10010	1000	300	1 HP	77.55	5	30.99	60	135.01	26.12	19.95	80	--	120V-1P	15	--	2,3
UV-22	HUVC12510	1250	350	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-23	HUVC10010	1000	300	1 HP	77.55	5	30.99	60	135.01	26.12	19.95	80	--	120V-1P	15	--	2,3
UV-24	HUVC12510	1250	375	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-25	HUVC12510	1250	350	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-26	HUVC12510	1250	350	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-27	HUVC07510	750	200	1 HP	60.90	4	30	60	134.09	19.92	15.06	80	--	120V-1P	15	--	2,3
UV-28	HUVC15010	1500	450	1 HP	102.98	7	51.5	60	127.62	38.64	29.96	80	--	120V-1P	15	--	2,3
UV-29	HUVC12510	1250	350	1 HP	98.83	7	28.62	60	135.96	31.90	24.72	80	--	120V-1P	15	--	2,3
UV-30	HUVC15010	1500	450	1 HP	102.98	7	51.5	60	127.62	38.64	29.96	80	--	120V-1P	15	--	2,3

NOTES:
1. FLOOR MOUNTED UNIT VENTILATOR, WITH HOT WATER HEATING COIL, FACE AND BYPASS, 3-WAY VALVE, WITH ADAPTOR BACK TO MATCH EXISTING UNITS, PROVIDE WITH END PANELS TO MATCH EXISTING OPENING BETWEEN CABINETRY (FIELD VERIFY) CABINET COLORS TO BE SELECTED DURING SHOP DRAWINGS. USE EXISTING OUTSIDE AIR LOUVERS,
2. CEILING HUNG HORIZONTAL UNIT VENTILATOR, WITH HOT WATER HEATING COIL, FACE AND BYPASS, 3-WAY VALVE, FRONT DISCHARGE DOUBLE DEFLECTION SUPPLY GRILLE, BOTTOM RETURN GRILLE AND BACK OUTSIDE AIR CONNECTION ARRANGEMENT (FIELD VERIFY WITH EXISTING UNIT) END PANELS AND CABINET COLORS TO BE SELECTED DURING SHOP DRAWINGS.
3. UNIT TO BE PROVIDED WITH ULTRA LOW LEAKAGE OUTSIDE AIR DAMPERS, FACTORY INSTALL AND WIRED FREEZE STAT, DAMPERS, DISCHARGE AIR STAT, WIRING STRIP, FOR CONTROLLER CONNECTIONS FOR NEW HONEYWELL CONTROLLER, CONTROLS TO HAVE CAPACITY FOR CO2 DETECTOR FOR ON DEMAND VENTILATION CONTROL AND CONNECTION TO EXISTING HONEYWELL CONTROLS CONTROL SYSTEM.

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REMOVE EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

PROJECT 'B'

CONDENSING UNIT SCHEDULE

TAG	TRANE MODEL #	ASSOCIATED UNIT	NOMINAL COOL	VOLTAGE	MCA	MOP	NOTES:
C-1	5TTA4036	UV-1	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-2	5TTA4036	UV-2	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-3	5TTA4036	UV-3	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-4	5TTA4036	UV-4	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-5	5TTR4024	UV-5	24 MBH	208V-1P	14	20	1,2,3,4,7
C-6	5TTA4036	UV-6	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-7	5TTA4036	UV-7	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-8	5TTA4036	UV-8	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-9	5TTA4036	UV-9	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-10	5TTA4036	UV-10	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-11	5TTA4036	UV-11	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-12	5TTA4036	UV-12	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-13	5TTR4024	UV-13	24 MBH	208V-1P	14	20	1,2,3,4,7
C-14	5TTA4048	UV-14	48 MBH	460V-3P	8.6	15	1,2,3,4,7
C-15	5TTA4048	UV-15	48 MBH	460V-3P	8.6	15	1,2,3,4,7
C-16	5TTA4048	UV-16	48 MBH	460V-3P	8.6	15	1,2,3,4,7
C-17	5TTA4048	UV-17	48 MBH	460V-3P	8.6	15	1,2,3,4,7
C-18	5TTA4048	UV-18	48 MBH	460V-3P	8.6	15	1,2,3,4,7
C-19	5TTA4036	UV-19	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-20	5TTA4036	UV-20	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-21	5TTR4030	UV-21	30 MBH	208V-1P	16	25	1,2,3,4,7
C-22	5TTA4036	UV-22	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-23	5TTR4030	UV-23	30 MBH	208V-1P	16	25	1,2,3,4,7
C-24	5TTA4036	UV-24	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-25	5TTA4036	UV-25	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-26	5TTA4036	UV-26	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-27	5TTR4024	UV-27	24 MBH	208V-1P	14	20	1,2,3,4,7
C-28	5TTA4048	UV-28	48 MBH	460V-3P	8.6	15	1,2,3,4,7
C-29	5TTA4036	UV-29	36 MBH	460V-3P	6.8	15	1,2,3,4,7
C-30	5TTA4048	UV-30	48 MBH	460V-3P	8.6	15	1,2,3,4,7
C-31	RAUKC254B	AHU-1	25 TONS	460V-3P	62	80	1,2,3,4,5,6

NOTES:
1. COOLING CAPACITY IS BASED ON 80°F DB/67°F WB & 95°F AMBIENT.
2. PROVIDE H/ EQUIPMENT SUPPORT. (SEE DETAIL).
3. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL GFI RECEPTACLE & DISCONNECT SWITCH.
4. PIPE SIZE BASED ON MANUFACTURER RECOMMENDATIONS.
5. PROVIDE UNIT WITH LOW AMBIENT DAMPERS FOR HEAD PRESSURE CONTROL.
6. PROVIDE UNIT WITH HOT GAS BYPASS VALVES SHIPPED WITH UNIT FIELD INSTALLED.
7. PROVIDE RAWAL APR VALVE & FIELD INSTALL AT CONDENSING UNIT.

GRILLE AND DIFFUSER SCHEDULE

"A" TITUS SUPPLY DIFFUSER MODEL TMSA, ADJUSTABLE AIR PATTERN, 24x24, MOUNTING TYPE 3 (LAY-IN), WHITE FINISH
(*) 12x12 FACE PANEL MOUNTED IN 24x24 PANEL

CFM	NECK SIZE
25-99	6"Ø *
100-225	8"Ø
226-300	10"Ø
301-400	12"Ø

"B" TITUS EXHAUST/RETURN GRILLE MODEL 50F, 1/2x1/2x1/2 ALUMINUM EGG CRATE, 20X20 NECK, PANEL MOUNTED FOR LAY-IN CEILING, WHITE FINISH, PROVIDE WITH 20x20x12 PLENUM PAINTED FLAT BLACK ON INSIDE

"C" TITUS RETURN/EXHAUST GRILLE MODEL 4FL, 45° FIXED DEFLECTION, SURFACE MOUNTED, WITH OPPOSED BLADE DAMPERS, WHITE FINISH

CFM	NECK SIZE
76-150	10x6
310-450	12X10

"D" TITUS RETURN/EXHAUST GRILLE MODEL 4FL, 45° FIXED DEFLECTION, SURFACE MOUNTED, WHITE FINISH, 18X18 NECK SIZE

"E" TITUS SUPPLY GRILLE MODEL 272 RL, SURFACE MOUNTED, WHITE FINISH

CFM	NECK SIZE
76-150	10x6
175-300	10x10

MECHANICAL EQUIPMENT SCHEDULE

CONDENSATE PUMP CP-1,2,3,4
FRANKLIN ELECTRIC CONDENSATE PUMP MODEL VCMA-15ULS, 1.08 GPM MAX FLOW RATE, 0.5 GAL TANK CAPACITY, 1/50HP, 115V-1P, PROVIDED WITH CHECK VALVE

RELIEF AIR HOOD SCHEDULE

TAG	MANUFACTURER	MODEL #	CFM	TOTAL PRESSURE	THROAT SIZE	FREE AREA	THROAT VELOCITY	NOTES
RH-1	GREENHECK	GRSR-20	2750	0.184	20X20	2.25 SF	1222 FPM	1
RH-2	GREENHECK	GRSR-24	3750	0.159	24X24	3.24 SF	1157 FPM	1
RH-3	GREENHECK	GRSR-15	1250	0.142	15X15	1.12 SF	1116 FPM	1,2
RH-4	GREENHECK	GRSR-15	1250	0.142	15X15	1.12 SF	1116 FPM	1,2
RH-5	GREENHECK	GRSR-18	2000	0.15	18X18	1.83 SF	1092 FPM	1

NOTES:
1. PROVIDE WITH INSULATED ROOF CURB AND HOOD, INSECT SCREEN.
2. PROVIDE WITH RELIEF DAMPER.

EXHAUST FAN SCHEDULE

TAG	AREA SERVED	UNIT LOCATION	GREENHECK MODEL NO.	ELEC.	CFM	"SP	FAN HP	FAN RPM	NOTES
EF-1	SCIENCE 316	CEILING MOUNTED	SP-A510-VG	115V-1P	500	.375	1/15	1268	1,2
EF-2	SCIENCE 314	CEILING MOUNTED	SP-A510-VG	115V-1P	500	.375	1/15	1268	1,2

NOTES:
1. PROVIDE WITH BACK DRAFT DAMPER, DISCONNECT AND WALL SWITCH
2. PROVIDE WITH WALL DISCHARGE HOOD

PUMP SCHEDULE

TAG	B&G MODEL	TYPE	GPM	HEAD (FT)	IMP. DIA.	HP	RPM	ELEC. V/PH	NOTES
P-1	E-1510 2.5BB	BASE MOUNTED	190	65	8.25	7.5	1800	208/3	1,3
P-2	E-1510 2.5BB	BASE MOUNTED	190	65	8.25	7.5	1800	208/3	1,3
P-B1	E-90 3AAB	VERTICAL IN-LINE	100	15	4.5	3/4	1725	120/1	1,2
P-B2	E-90 3AAB	VERTICAL IN-LINE	100	15	4.5	3/4	1725	120/1	1,2

NOTES:
1. HIGH EFFICIENCY NON-OVERLOADING MOTORS
2. PUMPS P-B1 AND P-B2 SHALL RUN WITH BOILER CONTROLS
3. PROVIDE WITH TRIPLE DUTY VALVE, FLEX CONNECTIONS & SUCTION DIFFUSERS

BOILER SCHEDULE

TAG	MODEL NO.	GAS INPUT (MBH)	GROSS OUTPUT (MBH)	THERMAL EFFICIENCY	TURNDOWN RATIO	WORKING PRESSURE	FLOW @30 TD GPM	FD FT HD	VENT SIZE	ELECT.	AMPS FLA	MIN/MAX GAS PRESSURE	NOTES
B-1	BMK-1500	1,500	1440	95%	20:1	30 PSI	100	3.0	6"	120/1P	16	4"/14" W.C.	1,2,3,4,5,6
B-2	BMK-1500	1,500	1440	95%	20:1	30 PSI	100	3.0	6"	120/1P	16	4"/14" W.C.	1,2,3,4,5,6

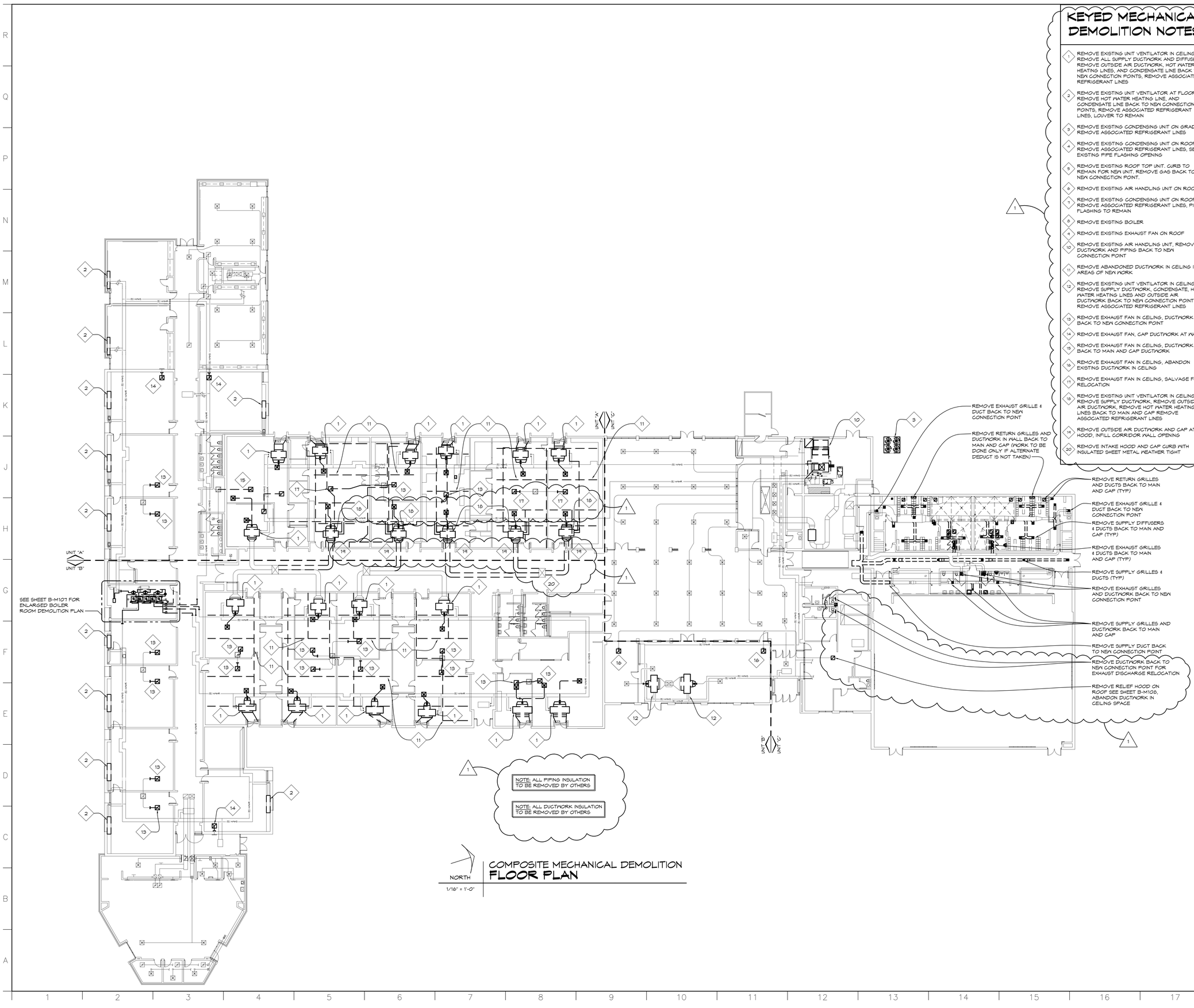
NOTES:
1. FACTORY PIPED AND WIRED FULLY MODULATING BURNER AND GAS TRAIN MEETING CSD-1 REQUIREMENTS
2. BOILER CONTROLS WITH BACNET CAPACITY FOR CONNECTION TO ENERGY MANAGEMENT SYSTEM (EMS) INTERFACE
3. PROVIDE WITH HIGH LIMIT CONTROL, LOW WATER CUT OFF, CONDENSATE TRAP (SEE SPECIFICATION FOR ADDITIONAL REQUIREMENTS).
4. PROVIDE NETURAZATION TANK, TRAP AND PIPE BOILER DRAIN(S) TO FLOOR DRAIN
5. PROVIDE AL29-4C, POLYPRO PIPING FOR FLUE AND PVC CONBUSTION AIR
6. BOILER DESIGN BASIS - AERCO

ROOF TOP UNIT SCHEDULE

TAG	MANUFACTURE MODEL #	AREA SERVED	CFM	MIN OA	ESP	FAN HP	FAN RPM	GAS HEAT (MBH) INPUT	GAS HEAT (MBH) OUTPUT	COOLING (MBH) TOTAL	COOLING (MBH) SENSIBLE	VOLTAGE	MCA	MOP	WEIGHT (LBS)	NOTES
RTU-1	TRANE T5K120A4600	SCIENCE CLASSROOMS	3700	400/ 1050	1.5	2.38 HP	1530	--	--	126	64	460V-3P	30	40	1058	2,3,4,5
RTU-2	TRANE YSK150A4SBH	MUSIC/ BAND	5000	500/ 1000	1.5	3.27 HP	1697	250	202.5	150	114	460V-3P	33	45	1423	1,3,4,5
RTU-3	AAON RNA-030	GYMNASIUM/ MEZZANINE	11,000	1350	1.5	15 HP	800	540	438	334	280	460V-3P	94	110	4134	6,7,8,9,10,11,12,13

NOTES:
1. PROVIDE ROOF CURB ADAPTOR AT EXISTING ROOF CURB, OUTSIDE ENTHALPY CONTROL, HIGH PERFORMANCE ECONOMIZER AND BAROMETRIC RELIEF FACTORY INSTALLED
2. INSTALL AT EXISTING ROOF CURB, OUTSIDE ENTHALPY CONTROL, HIGH PERFORMANCE ECONOMIZER AND BAROMETRIC RELIEF FACTORY INSTALLED
3. PROVIDE WITH 2" MERV 13 FILTERS, FACTORY INSTALLED DISCONNECT AND GFI OUTLET (FIELD WIRE BY ELECTRICAL) AND PHASE MONITOR
4. PROVIDE UNIT WITH HAIL GUARDS AND MULTI SPEED AIR VOLUME FAN.
5. PROVIDE CO2 CONTROL MINIMUM TO MAXIMUM OUTSIDE AIR FLOW AND WALL MOUNTED CO2 SENSOR.
6. PROVIDE UNIT WITH 26" TALL DOUBLE WALL INSULATED (MIN R-VALUE OF 8) PLENUM CURB WITH SOLID BOTTOM FOR FIELD CONNECTION TO RETURN AIR DUCTS.
7. PROVIDE UNIT WITH HORIZONTAL SUPPLY AND RETURN AIR CONNECTIONS, AND BOTTOM RETURN AIR CONNECTION THROUGH ROOF CURB.
8. STAINLESS STEEL HEAT EXCHANGER, WITH 18:1 TURN DOWN MODULATING GAS HEAT, (2) 2-STEP SCROLL COMPRESSORS AND 5 STAGE COOLING
9. PROVIDE WITH 2" DOUBLE WALL CONSTRUCTION AND STAINLESS STEEL DRAIN PAN, SINGLE ZONE VAV SEQUENCE OF OPERATION
10. MODULATING POWER EXHAUST WITH BUILDING PRESSURE CONTROL, FULLY MODULATING ECONOMIZER WITH ENTHALPY CONTROLS AND RA CO2 FOR ON DEMAND VENTILATION
11. SMOKE DETECTORS IN SUPPLY AND RETURN, CONNECT TO CONTROLS TO SHUT DOWN UNITS. COORDINATE WITH ELECTRICAL TRADES FOR FIRE ALARM CONNECTION
12. PROVIDE WITH ATMOSAIR 508FC BI-POLAR IONIZATION INSTALLED IN AIR STREAM
13.FACORY MOUNTED AND WIRED NON-FUSED DISCONNECT AND UNIT POWERED 115V GFI OUTLET.

A



NORTH

1/16" = 1'-0"

COMPOSITE MECHANICAL DEMOLITION FLOOR PLAN

KEYED MECHANICAL DEMOLITION NOTES

1. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE ALL SUPPLY DUCTWORK AND DIFFUSERS, REMOVE OUTSIDE AIR DUCTWORK, HOT WATER HEATING LINES, AND CONDENSATE LINE BACK TO NEW CONNECTION POINTS, REMOVE ASSOCIATED REFRIGERANT LINES
2. REMOVE EXISTING UNIT VENTILATOR AT FLOOR, REMOVE HOT WATER HEATING LINE, AND CONDENSATE LINE BACK TO NEW CONNECTION POINTS, REMOVE ASSOCIATED REFRIGERANT LINES, LOUVER TO REMAIN
3. REMOVE EXISTING CONDENSING UNIT ON GRADE, REMOVE ASSOCIATED REFRIGERANT LINES
4. REMOVE EXISTING CONDENSING UNIT ON ROOF, REMOVE ASSOCIATED REFRIGERANT LINES, SEAL EXISTING PIPE FLASHING OPENING
5. REMOVE EXISTING ROOF TOP UNIT, CURB TO REMAIN FOR NEW UNIT. REMOVE GAS BACK TO NEW CONNECTION POINT.
6. REMOVE EXISTING AIR HANDLING UNIT ON ROOF
7. REMOVE EXISTING CONDENSING UNIT ON ROOF, REMOVE ASSOCIATED REFRIGERANT LINES, PIPE FLASHING TO REMAIN
8. REMOVE EXISTING BOILER
9. REMOVE EXISTING EXHAUST FAN ON ROOF
10. REMOVE EXISTING AIR HANDLING UNIT, REMOVE DUCTWORK AND PIPING BACK TO NEW CONNECTION POINT
11. REMOVE ABANDONED DUCTWORK IN CEILING IN AREAS OF NEW WORK
12. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE SUPPLY DUCTWORK, CONDENSATE, HOT WATER HEATING LINES AND OUTSIDE AIR DUCTWORK BACK TO NEW CONNECTION POINT, REMOVE ASSOCIATED REFRIGERANT LINES
13. REMOVE EXHAUST FAN IN CEILING, DUCTWORK BACK TO NEW CONNECTION POINT
14. REMOVE EXHAUST FAN, CAP DUCTWORK AT WALL
15. REMOVE EXHAUST FAN IN CEILING, DUCTWORK BACK TO MAIN AND CAP DUCTWORK
16. REMOVE EXHAUST FAN IN CEILING, ABANDON EXISTING DUCTWORK IN CEILING
17. REMOVE EXHAUST FAN IN CEILING, SALVAGE FOR RELOCATION
18. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE SUPPLY DUCTWORK, REMOVE OUTSIDE AIR DUCTWORK, REMOVE HOT WATER HEATING LINES BACK TO MAIN AND CAP REMOVE ASSOCIATED REFRIGERANT LINES
19. REMOVE OUTSIDE AIR DUCTWORK AND CAP AT HOOD, INFILL CORRIDOR WALL OPENING
20. REMOVE INTAKE HOOD AND CAP CURB WITH INSULATED SHEET METAL WEATHER TIGHT

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REWORK EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

THA
Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

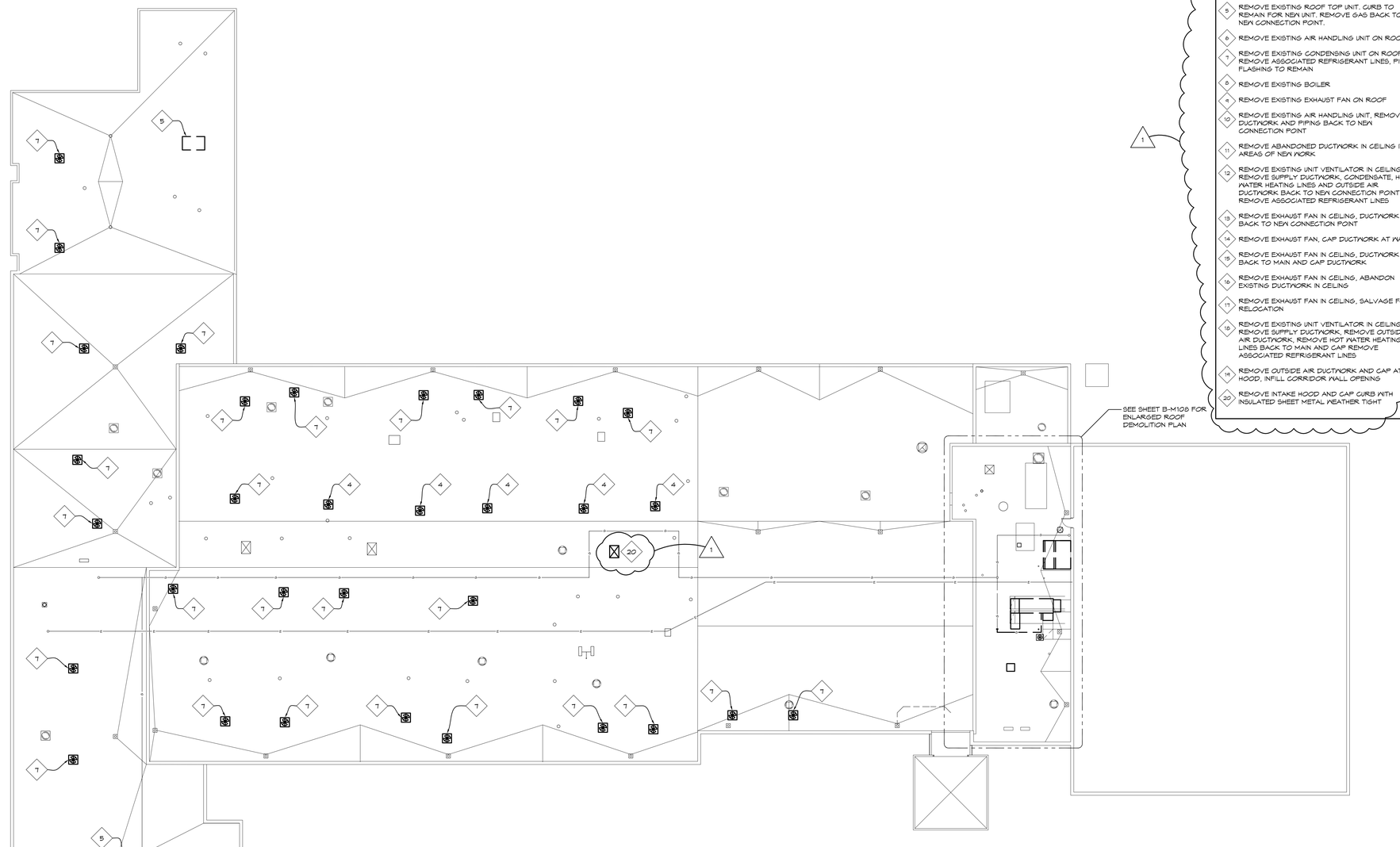
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

COMPOSITE MECHANICAL DEMOLITION PLAN

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-M101
	REVIEWED MLB	DRAWING NO. B-M101
	DATE OCT 19, 2026	SHEET NO. 13 OF 36
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC'MS\B-M101-ADD4.1
Plot date: 11/2/2026 12:33 PM



NORTH
1/16" = 1'-0"

COMPOSITE MECHANICAL DEMOLITION
ROOF PLAN

KEYED MECHANICAL DEMOLITION NOTES

1. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE ALL SUPPLY DUCTWORK AND DIFFUSERS, REMOVE OUTSIDE AIR DUCTWORK, HOT WATER HEATING LINES, AND CONDENSATE LINE BACK TO NEW CONNECTION POINTS, REMOVE ASSOCIATED REFRIGERANT LINES
2. REMOVE EXISTING UNIT VENTILATOR AT FLOOR, REMOVE HOT WATER HEATING LINE, AND CONDENSATE LINE BACK TO NEW CONNECTION POINTS, REMOVE ASSOCIATED REFRIGERANT LINES, LOUVER TO REMAIN
3. REMOVE EXISTING CONDENSING UNIT ON GRADE, REMOVE ASSOCIATED REFRIGERANT LINES
4. REMOVE EXISTING CONDENSING UNIT ON ROOF, REMOVE ASSOCIATED REFRIGERANT LINES, SEAL EXISTING PIPE FLASHING OPENING
5. REMOVE EXISTING ROOF TOP UNIT. CURB TO REMAIN FOR NEW UNIT. REMOVE GAS BACK TO NEW CONNECTION POINT.
6. REMOVE EXISTING AIR HANDLING UNIT ON ROOF
7. REMOVE EXISTING CONDENSING UNIT ON ROOF, REMOVE ASSOCIATED REFRIGERANT LINES, PIPE FLASHING TO REMAIN
8. REMOVE EXISTING BOILER
9. REMOVE EXISTING EXHAUST FAN ON ROOF
10. REMOVE EXISTING AIR HANDLING UNIT, REMOVE DUCTWORK AND PIPING BACK TO NEW CONNECTION POINT
11. REMOVE ABANDONED DUCTWORK IN CEILING IN AREAS OF NEW WORK
12. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE SUPPLY DUCTWORK, CONDENSATE, HOT WATER HEATING LINES AND OUTSIDE AIR DUCTWORK BACK TO NEW CONNECTION POINT, REMOVE ASSOCIATED REFRIGERANT LINES
13. REMOVE EXHAUST FAN IN CEILING, DUCTWORK BACK TO NEW CONNECTION POINT
14. REMOVE EXHAUST FAN, CAP DUCTWORK AT WALL
15. REMOVE EXHAUST FAN IN CEILING, DUCTWORK BACK TO MAIN AND CAP DUCTWORK
16. REMOVE EXHAUST FAN IN CEILING, ABANDON EXISTING DUCTWORK IN CEILING
17. REMOVE EXHAUST FAN IN CEILING, SALVAGE FOR RELOCATION
18. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE SUPPLY DUCTWORK, REMOVE OUTSIDE AIR DUCTWORK, REMOVE HOT WATER HEATING LINES BACK TO MAIN AND CAP REMOVE ASSOCIATED REFRIGERANT LINES
19. REMOVE OUTSIDE AIR DUCTWORK AND CAP AT HOOD, INFILL CORRIDOR WALL OPENING
20. REMOVE INTAKE HOOD AND CAP CURB WITH INSULATED SHEET METAL WEATHER TIGHT

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REWORK EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

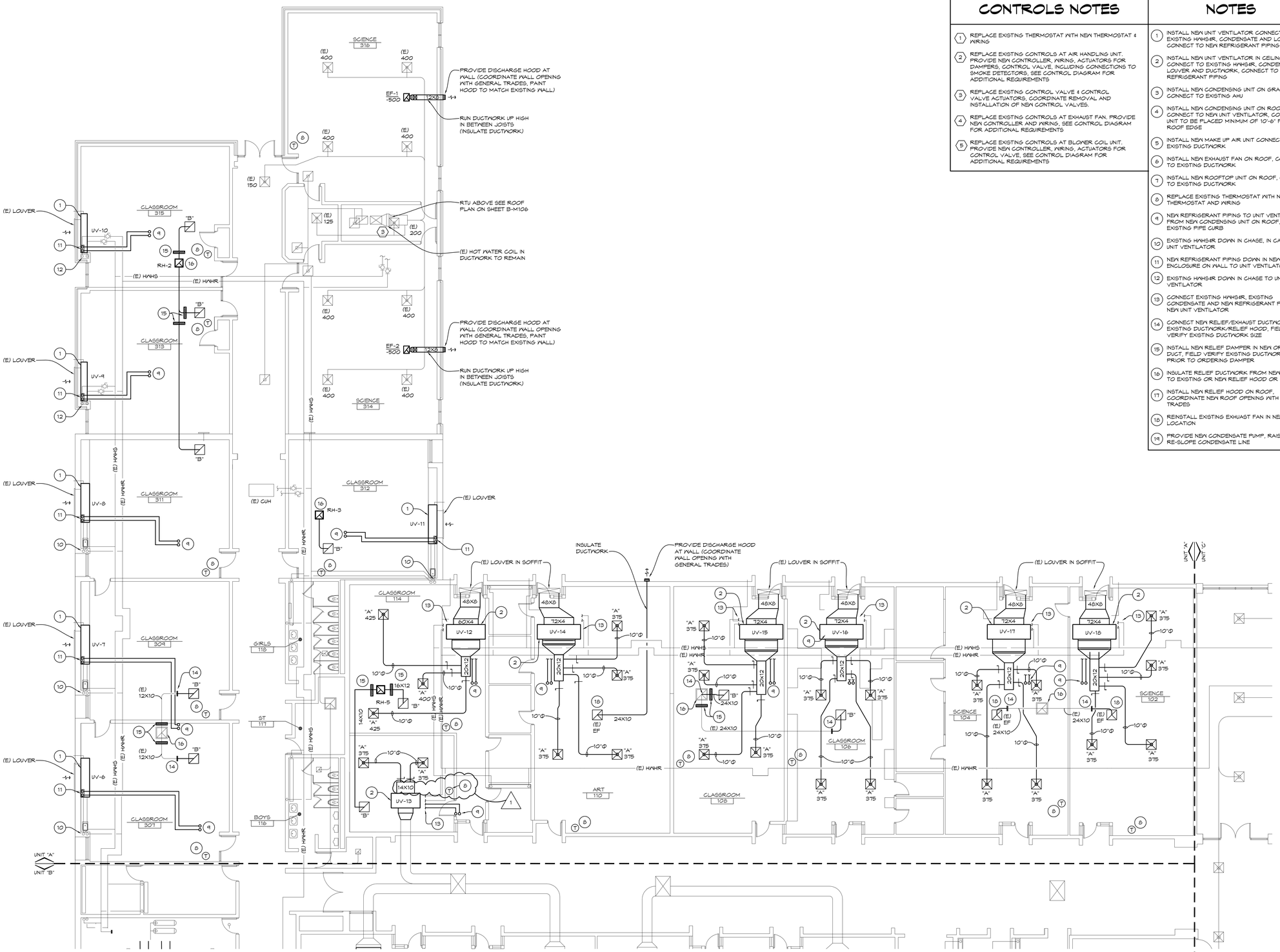
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

COMPOSITE MECHANICAL ROOF DEMOLITION PLAN

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-M102
	REVIEWED MLB	DRAWING NO. B-M102
	DATE OCT 19, 2026	SHEET NO. 14 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC MS\B-M102-ADD-1.1
Plot date: 11/2/2026 12:34 PM



NORTH

1/8" = 1'-0"

UNIT 'A' MECHANICAL FLOOR PLAN

KEYED CONTROLS NOTES

1. REPLACE EXISTING THERMOSTAT WITH NEW THERMOSTAT & WIRING
2. REPLACE EXISTING CONTROLS AT AIR HANDLING UNIT. PROVIDE NEW CONTROLLER, WIRING, ACTUATORS FOR DAMPERS, CONTROL VALVE, INCLUDING CONNECTIONS TO SMOKE DETECTORS, SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS
3. REPLACE EXISTING CONTROL VALVE & CONTROL VALVE ACTUATORS, COORDINATE REMOVAL AND INSTALLATION OF NEW CONTROL VALVES.
4. REPLACE EXISTING CONTROLS AT EXHAUST FAN. PROVIDE NEW CONTROLLER AND WIRING, SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS
5. REPLACE EXISTING CONTROLS AT BLOWER COIL UNIT. PROVIDE NEW CONTROLLER, WIRING, ACTUATORS FOR CONTROL VALVE, SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS

KEYED MECHANICAL NOTES

1. INSTALL NEW UNIT VENTILATOR CONNECT TO EXISTING HWHS&R, CONDENSATE AND LOUVER, CONNECT TO NEW REFRIGERANT PIPING
2. INSTALL NEW UNIT VENTILATOR IN CEILING CONNECT TO EXISTING HWHS&R, CONDENSATE, LOUVER AND DUCTWORK, CONNECT TO NEW REFRIGERANT PIPING
3. INSTALL NEW CONDENSING UNIT ON GRADE CONNECT TO EXISTING AHU
4. INSTALL NEW CONDENSING UNIT ON ROOF CONNECT TO NEW UNIT VENTILATOR, CONDENSING UNIT TO BE PLACED MINIMUM OF 10'-6" FROM ROOF EDGE
5. INSTALL NEW MAKE UP AIR UNIT CONNECT TO EXISTING DUCTWORK
6. INSTALL NEW EXHAUST FAN ON ROOF, CONNECT TO EXISTING DUCTWORK
7. INSTALL NEW ROOFTOP UNIT ON ROOF, CONNECT TO EXISTING DUCTWORK
8. REPLACE EXISTING THERMOSTAT WITH NEW THERMOSTAT AND WIRING
9. NEW REFRIGERANT PIPING TO UNIT VENTILATOR FROM NEW CONDENSING UNIT ON ROOF, REUSE EXISTING PIPE CURB
10. EXISTING HWHS&R DOWN IN CHASE, IN CABINET TO UNIT VENTILATOR
11. NEW REFRIGERANT PIPING DOWN IN NEW PIPE ENCLOSURE ON WALL TO UNIT VENTILATOR
12. EXISTING HWHS&R DOWN IN CHASE TO UNIT VENTILATOR
13. CONNECT EXISTING HWHS&R, EXISTING CONDENSATE AND NEW REFRIGERANT PIPING TO NEW UNIT VENTILATOR
14. CONNECT NEW RELIEF/EXHAUST DUCTWORK TO EXISTING DUCTWORK/RELIEF HOOD, FIELD VERIFY EXISTING DUCTWORK SIZE
15. INSTALL NEW RELIEF DAMPER IN NEW OR EXISTING DUCT, FIELD VERIFY EXISTING DUCTWORK SIZE PRIOR TO ORDERING DAMPER
16. INSULATE RELIEF DUCTWORK FROM NEW DAMPER TO EXISTING OR NEW RELIEF HOOD OR LOUVER
17. INSTALL NEW RELIEF HOOD ON ROOF, COORDINATE NEW ROOF OPENING WITH GENERAL TRADES
18. REINSTALL EXISTING EXHAUST FAN IN NEW LOCATION
19. PROVIDE NEW CONDENSATE PUMP, RAISE AND RE-SLOPE CONDENSATE LINE

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REWORK EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

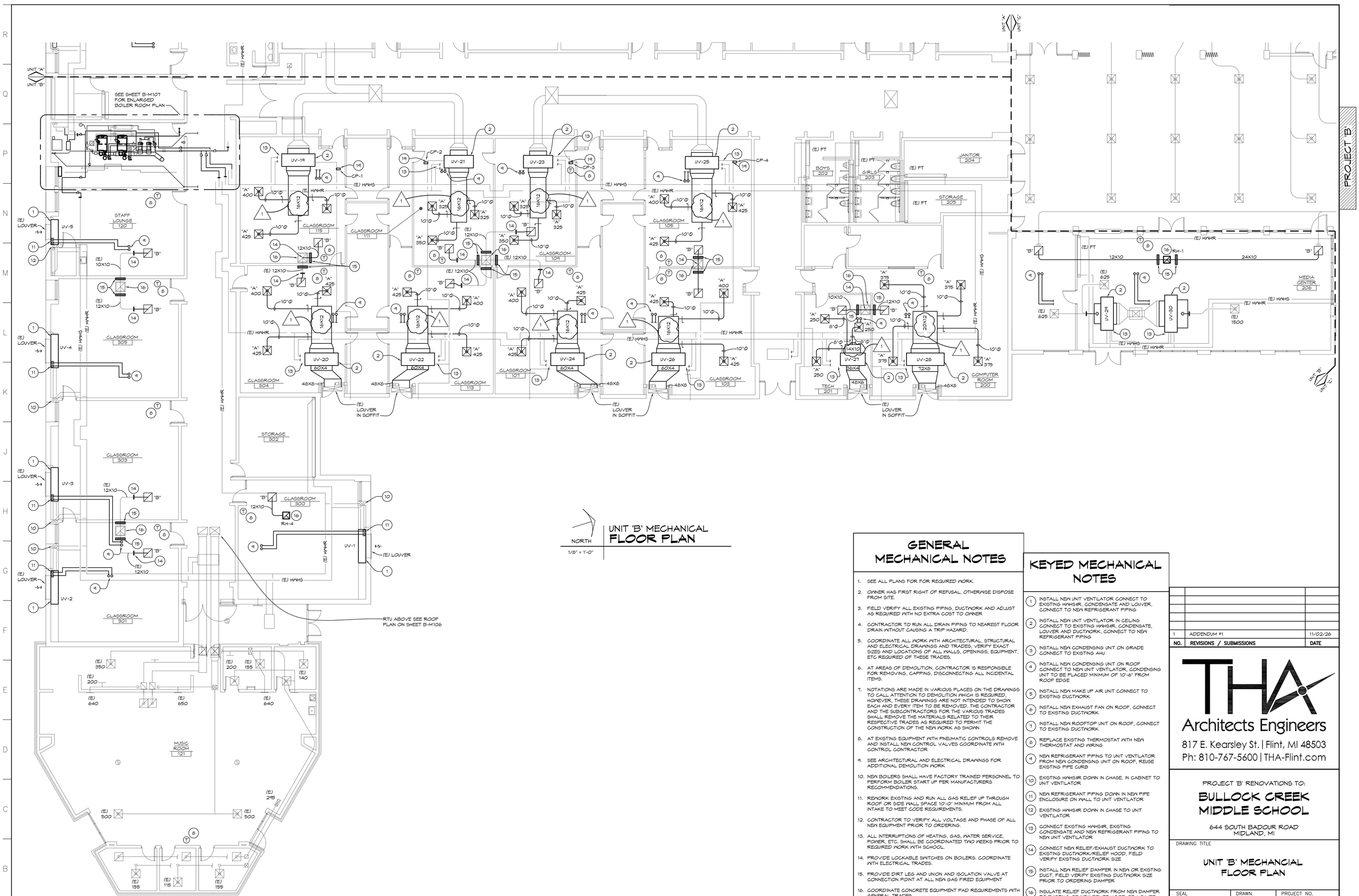
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

UNIT 'A' MECHANICAL FLOOR PLAN

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-M103
	REVIEWED MLB	DRAWING NO. B-M103
	DATE OCT 19, 2026	SHEET NO. 15 OF 38
	SCALE AS NOTED	

THA Architects Engineers + P:\Bullock Creek\26-210 2023 Bond Savies Series 2 2027 Improvements\Drafting\01-CAD\02-DOD\BC MS\B-M103-ADD-1.1
Plot date: 11/2/2026 12:35 PM



UNIT 'B' MECHANICAL FLOOR PLAN

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES, VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
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8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REWORK EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

KEYED MECHANICAL NOTES

1. INSTALL NEW UNIT VENTILATOR CONNECT TO EXISTING HWHS/R, CONDENSATE AND LOUVER, CONNECT TO NEW REFRIGERANT PIPING
2. INSTALL NEW UNIT VENTILATOR IN CEILING CONNECT TO EXISTING HWHS/R, CONDENSATE, LOUVER AND DUCTWORK, CONNECT TO NEW REFRIGERANT PIPING
3. INSTALL NEW CONDENSING UNIT ON GRADE CONNECT TO EXISTING AHU
4. INSTALL NEW CONDENSING UNIT ON ROOF CONNECT TO NEW UNIT VENTILATOR, CONDENSING UNIT TO BE PLACED MINIMUM OF 10'-6" FROM ROOF EDGE
5. INSTALL NEW MAKE UP AIR UNIT CONNECT TO EXISTING DUCTWORK
6. INSTALL NEW EXHAUST FAN ON ROOF, CONNECT TO EXISTING DUCTWORK
7. INSTALL NEW ROOFTOP UNIT ON ROOF, CONNECT TO EXISTING DUCTWORK
8. REPLACE EXISTING THERMOSTAT WITH NEW THERMOSTAT AND WIRING
9. NEW REFRIGERANT PIPING TO UNIT VENTILATOR FROM NEW CONDENSING UNIT ON ROOF, REUSE EXISTING PIPE CURB
10. EXISTING HWHS/R DOWN IN CHASE, IN CABINET TO UNIT VENTILATOR
11. NEW REFRIGERANT PIPING DOWN IN NEW PIPE ENCLOSURE ON WALL TO UNIT VENTILATOR
12. EXISTING HWHS/R DOWN IN CHASE TO UNIT VENTILATOR
13. CONNECT EXISTING HWHS/R, EXISTING CONDENSATE AND NEW REFRIGERANT PIPING TO NEW UNIT VENTILATOR
14. CONNECT NEW RELIEF/EXHAUST DUCTWORK TO EXISTING DUCTWORK/RELIEF HOOD, FIELD VERIFY EXISTING DUCTWORK SIZE
15. INSTALL NEW RELIEF DAMPER IN NEW OR EXISTING DUCT, FIELD VERIFY EXISTING DUCTWORK SIZE PRIOR TO ORDERING DAMPER
16. INSULATE RELIEF DUCTWORK FROM NEW DAMPER TO EXISTING OR NEW RELIEF HOOD OR LOUVER
17. INSTALL NEW RELIEF HOOD ON ROOF, COORDINATE NEW ROOF OPENING WITH GENERAL TRADES
18. REINSTALL EXISTING EXHUAST FAN IN NEW LOCATION
19. PROVIDE NEW CONDENSATE PUMP, RAISE AND RE-SLOPE CONDENSATE LINE

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

THA
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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

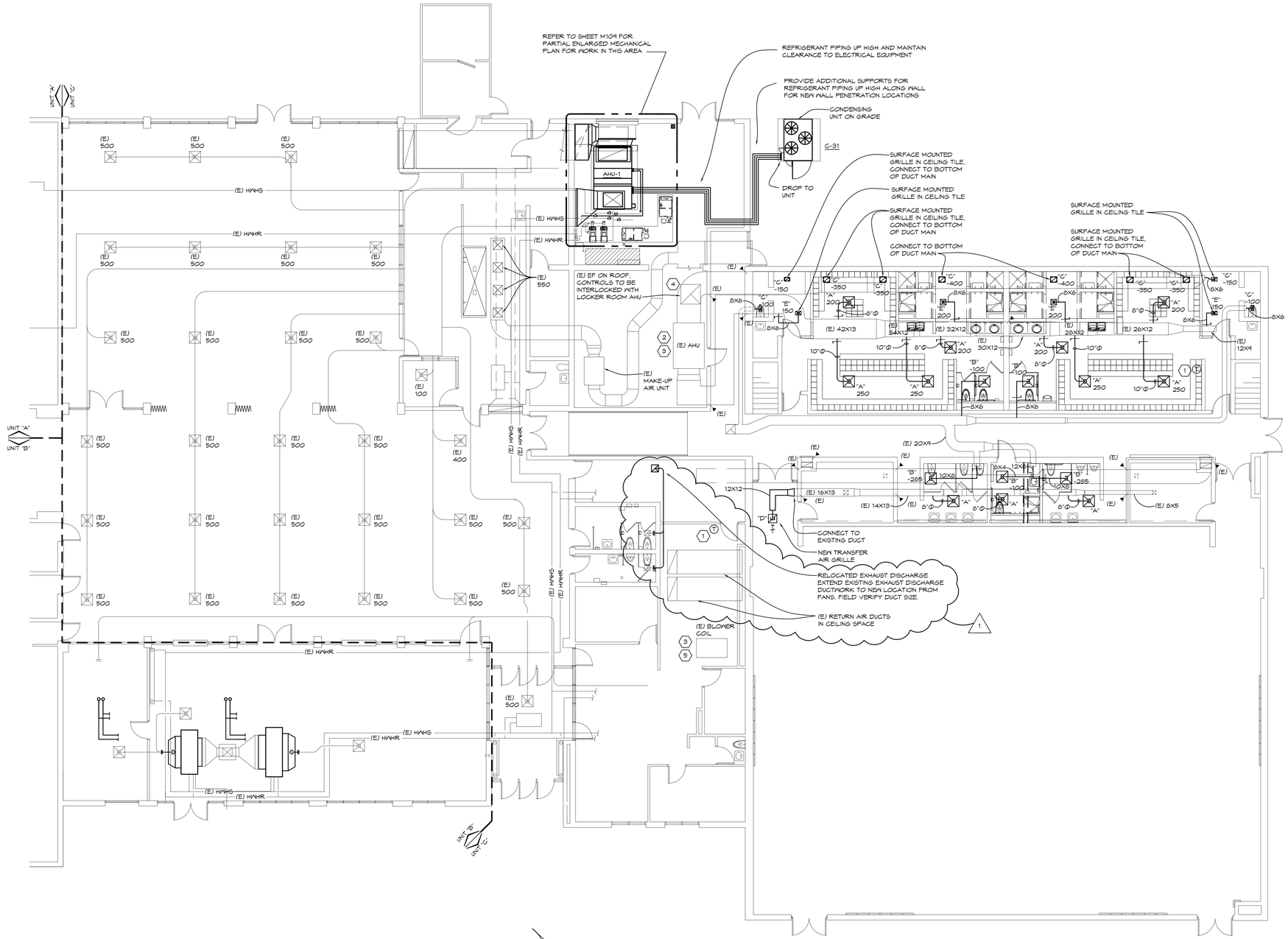
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

UNIT 'B' MECHANICAL FLOOR PLAN

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-M104
	REVIEWED MLB	DRAWING NO. B-M104
	DATE OCT 19, 2026	SHEET NO. 16 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC MS B-M104-ADDs 1.1
Plot date: 11/2/2026 12:36 PM



UNIT 'C' MECHANICAL
FLOOR PLAN

KEYED CONTROLS NOTES

1. REPLACE EXISTING THERMOSTAT WITH NEW THERMOSTAT & WIRING
2. REPLACE EXISTING CONTROLS AT AIR HANDLING UNIT. PROVIDE NEW CONTROLLER, WIRING, ACTUATORS FOR DAMPERS, CONTROL VALVE, INCLUDING CONNECTIONS TO SMOKE DETECTORS. SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS
3. REPLACE EXISTING CONTROL VALVE & CONTROL VALVE ACTUATORS, COORDINATE REMOVAL AND INSTALLATION OF NEW CONTROL VALVES.
4. REPLACE EXISTING CONTROLS AT EXHAUST FAN. PROVIDE NEW CONTROLLER AND WIRING, SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS
5. REPLACE EXISTING CONTROLS AT BLOWER COIL UNIT. PROVIDE NEW CONTROLLER, WIRING, ACTUATORS FOR CONTROL VALVE. SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS

KEYED MECHANICAL NOTES

1. INSTALL NEW UNIT VENTILATOR CONNECT TO EXISTING HWHS/R, CONDENSATE AND LOUVER, CONNECT TO NEW REFRIGERANT PIPING
2. INSTALL NEW UNIT VENTILATOR IN CEILING CONNECT TO EXISTING HWHS/R, CONDENSATE, LOUVER AND DUCTWORK, CONNECT TO NEW REFRIGERANT PIPING
3. INSTALL NEW CONDENSING UNIT ON GRADE CONNECT TO EXISTING AHU
4. INSTALL NEW CONDENSING UNIT ON ROOF CONNECT TO NEW UNIT VENTILATOR, CONDENSING UNIT TO BE PLACED MINIMUM OF 10'-6" FROM ROOF EDGE
5. INSTALL NEW MAKE UP AIR UNIT CONNECT TO EXISTING DUCTWORK
6. INSTALL NEW EXHAUST FAN ON ROOF, CONNECT TO EXISTING DUCTWORK
7. INSTALL NEW ROOFTOP UNIT ON ROOF, CONNECT TO EXISTING DUCTWORK
8. REPLACE EXISTING THERMOSTAT WITH NEW THERMOSTAT AND WIRING
9. NEW REFRIGERANT PIPING TO UNIT VENTILATOR FROM NEW CONDENSING UNIT ON ROOF, REUSE EXISTING PIPE CURB
10. EXISTING HWHS/R DOWN IN CHASE, IN CABINET TO UNIT VENTILATOR
11. NEW REFRIGERANT PIPING DOWN IN NEW PIPE ENCLOSURE ON WALL TO UNIT VENTILATOR
12. EXISTING HWHS/R DOWN IN CHASE TO UNIT VENTILATOR
13. CONNECT EXISTING HWHS/R, EXISTING CONDENSATE AND NEW REFRIGERANT PIPING TO NEW UNIT VENTILATOR
14. CONNECT NEW RELIEF/EXHAUST DUCTWORK TO EXISTING DUCTWORK/RELIEF HOOD. FIELD VERIFY EXISTING DUCTWORK SIZE
15. INSTALL NEW RELIEF DAMPER IN NEW OR EXISTING DUCT, FIELD VERIFY EXISTING DUCTWORK SIZE PRIOR TO ORDERING DAMPER
16. INSULATE RELIEF DUCTWORK FROM NEW DAMPER TO EXISTING OR NEW RELIEF HOOD OR LOUVER
17. INSTALL NEW RELIEF HOOD ON ROOF, COORDINATE NEW ROOF OPENING WITH GENERAL TRADES
18. REINSTALL EXISTING EXHAUST FAN IN NEW LOCATION
19. PROVIDE NEW CONDENSATE PUMP, RAISE AND RE-SLOPE CONDENSATE LINE

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REWORK EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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Ph: 810-767-5600 | THA-Flint.com

PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

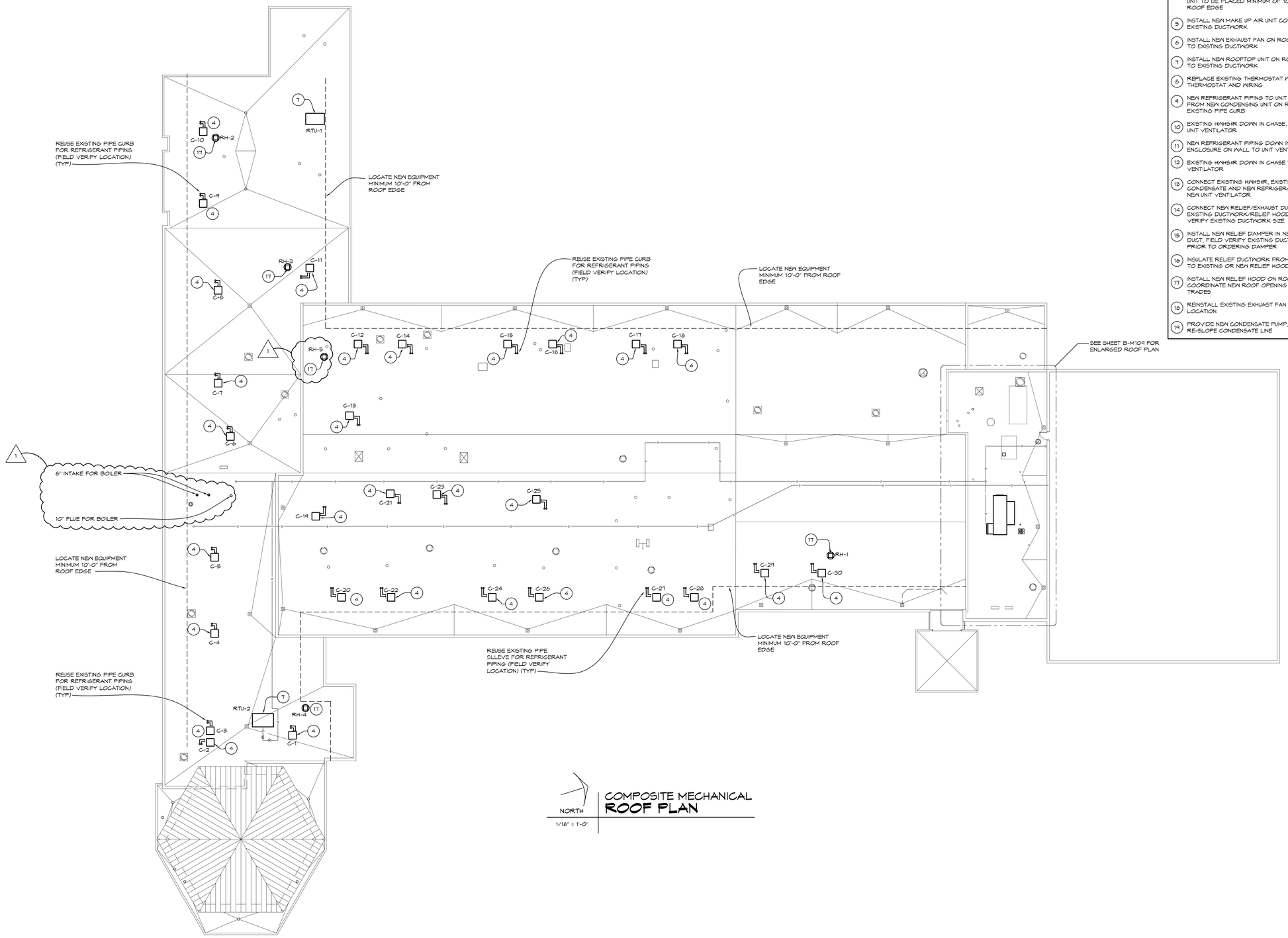
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

UNIT 'C' MECHANCIAL FLOOR PLAN

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-M105
	REVIEWED MLB	DRAWING NO. B-M105
	DATE OCT 19, 2026	SHEET NO. 17 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC MS B-M105-ADDs 1.1
Plot date: 11/2/2026 12:37 PM



NORTH
1/16" = 1'-0"

COMPOSITE MECHANICAL ROOF PLAN

KEYED MECHANICAL NOTES

1. INSTALL NEW UNIT VENTILATOR CONNECT TO EXISTING HW/S&R, CONDENSATE AND LOUVER, CONNECT TO NEW REFRIGERANT PIPING
2. INSTALL NEW UNIT VENTILATOR IN CEILING CONNECT TO EXISTING HW/S&R, CONDENSATE, LOUVER AND DUCTWORK, CONNECT TO NEW REFRIGERANT PIPING
3. INSTALL NEW CONDENSING UNIT ON GRADE CONNECT TO EXISTING AHU
4. INSTALL NEW CONDENSING UNIT ON ROOF CONNECT TO NEW UNIT VENTILATOR, CONDENSING UNIT TO BE PLACED MINIMUM OF 10'-6" FROM ROOF EDGE
5. INSTALL NEW MAKE UP AIR UNIT CONNECT TO EXISTING DUCTWORK
6. INSTALL NEW EXHAUST FAN ON ROOF, CONNECT TO EXISTING DUCTWORK
7. INSTALL NEW ROOFTOP UNIT ON ROOF, CONNECT TO EXISTING DUCTWORK
8. REPLACE EXISTING THERMOSTAT WITH NEW THERMOSTAT AND WIRING
9. NEW REFRIGERANT PIPING TO UNIT VENTILATOR FROM NEW CONDENSING UNIT ON ROOF, REUSE EXISTING PIPE CURB
10. EXISTING HW/S&R DOWN IN CHASE, IN CABINET TO UNIT VENTILATOR
11. NEW REFRIGERANT PIPING DOWN IN NEW PIPE ENCLOSURE ON WALL TO UNIT VENTILATOR
12. EXISTING HW/S&R DOWN IN CHASE TO UNIT VENTILATOR
13. CONNECT EXISTING HW/S&R, EXISTING CONDENSATE AND NEW REFRIGERANT PIPING TO NEW UNIT VENTILATOR
14. CONNECT NEW RELIEF/EXHAUST DUCTWORK TO EXISTING DUCTWORK/RELIEF HOOD, FIELD VERIFY EXISTING DUCTWORK SIZE
15. INSTALL NEW RELIEF DAMPER IN NEW OR EXISTING DUCT, FIELD VERIFY EXISTING DUCTWORK SIZE PRIOR TO ORDERING DAMPER
16. INSULATE RELIEF DUCTWORK FROM NEW DAMPER TO EXISTING OR NEW RELIEF HOOD OR LOUVER
17. INSTALL NEW RELIEF HOOD ON ROOF, COORDINATE NEW ROOF OPENING WITH GENERAL TRADES
18. REINSTALL EXISTING EXHAUST FAN IN NEW LOCATION
19. PROVIDE NEW CONDENSATE PUMP, RAISE AND RE-SLOPE CONDENSATE LINE

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REWORK EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

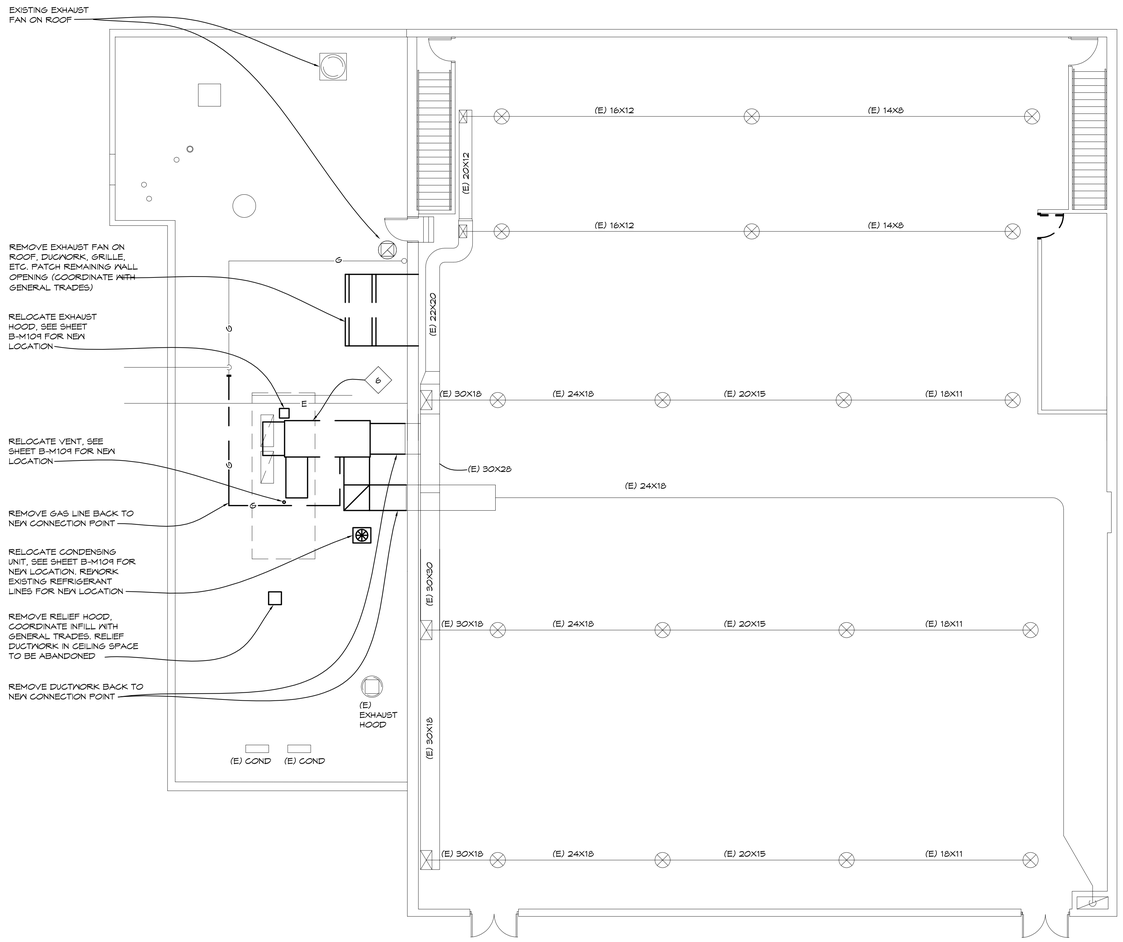
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

COMPOSITE MECHANICAL ROOF PLAN

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-M106
	REVIEWED MLB	DRAWING NO. B-M106
	DATE OCT 19, 2026	SHEET NO. 18 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC MS\B-M106-ADDA1.7
Plot date: 11/2/2026 12:37 PM



NORTH
1/8" = 1'-0"

ENLARGED GYMNASIUM & MEZZANINE
MECHANICAL DEMOLITION PLAN

KEYED MECHANICAL DEMOLITION NOTES

1. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE ALL SUPPLY DUCTWORK AND DIFFUSERS, REMOVE OUTSIDE AIR DUCTWORK, HOT WATER HEATING LINES, AND CONDENSATE LINE BACK TO NEW CONNECTION POINTS, REMOVE ASSOCIATED REFRIGERANT LINES
2. REMOVE EXISTING UNIT VENTILATOR AT FLOOR, REMOVE HOT WATER HEATING LINE, AND CONDENSATE LINE BACK TO NEW CONNECTION POINTS, REMOVE ASSOCIATED REFRIGERANT LINES, LOUVER TO REMAIN
3. REMOVE EXISTING CONDENSING UNIT ON GRADE, REMOVE ASSOCIATED REFRIGERANT LINES
4. REMOVE EXISTING CONDENSING UNIT ON ROOF, REMOVE ASSOCIATED REFRIGERANT LINES, SEAL EXISTING PIPE FLASHING OPENING
5. REMOVE EXISTING ROOF TOP UNIT. CURB TO REMAIN FOR NEW UNIT. REMOVE GAS BACK TO NEW CONNECTION POINT.
6. REMOVE EXISTING AIR HANDLING UNIT ON ROOF
7. REMOVE EXISTING CONDENSING UNIT ON ROOF, REMOVE ASSOCIATED REFRIGERANT LINES, PIPE FLASHING TO REMAIN
8. REMOVE EXISTING BOILER
9. REMOVE EXISTING EXHAUST FAN ON ROOF
10. REMOVE EXISTING AIR HANDLING UNIT, REMOVE DUCTWORK AND PIPING BACK TO NEW CONNECTION POINT
11. REMOVE ABANDONED DUCTWORK IN CEILING IN AREAS OF NEW WORK
12. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE SUPPLY DUCTWORK, CONDENSATE, HOT WATER HEATING LINES AND OUTSIDE AIR DUCTWORK BACK TO NEW CONNECTION POINT, REMOVE ASSOCIATED REFRIGERANT LINES
13. REMOVE EXHAUST FAN IN CEILING, DUCTWORK BACK TO NEW CONNECTION POINT
14. REMOVE EXHAUST FAN, CAP DUCTWORK AT WALL
15. REMOVE EXHAUST FAN IN CEILING, DUCTWORK BACK TO MAIN AND CAP DUCTWORK
16. REMOVE EXHAUST FAN IN CEILING, ABANDON EXISTING DUCTWORK IN CEILING
17. REMOVE EXHAUST FAN IN CEILING, SALVAGE FOR RELOCATION
18. REMOVE EXISTING UNIT VENTILATOR IN CEILING, REMOVE SUPPLY DUCTWORK, REMOVE OUTSIDE AIR DUCTWORK, REMOVE HOT WATER HEATING LINES BACK TO MAIN AND CAP REMOVE ASSOCIATED REFRIGERANT LINES
19. REMOVE OUTSIDE AIR DUCTWORK AND CAP AT HOOD, INFILL CORRIDOR WALL OPENING
20. REMOVE INTAKE HOOD AND CAP CURB WITH INSULATED SHEET METAL WEATHER TIGHT

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. NEW BOILERS SHALL HAVE FACTORY TRAINED PERSONNEL TO PERFORM BOILER START UP PER MANUFACTURERS RECOMMENDATIONS.
11. REWORK EXISTING AND RUN ALL GAS RELIEF UP THROUGH ROOF OR SIDE WALL SPACE 10'-0" MINIMUM FROM ALL INTAKE TO MEET CODE REQUIREMENTS.
12. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
13. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
14. PROVIDE LOCKABLE SWITCHES ON BOILERS. COORDINATE WITH ELECTRICAL TRADES.
15. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL NEW GAS FIRED EQUIPMENT
16. COORDINATE CONCRETE EQUIPMENT PAD REQUIREMENTS WITH GENERAL TRADES
17. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
18. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
19. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

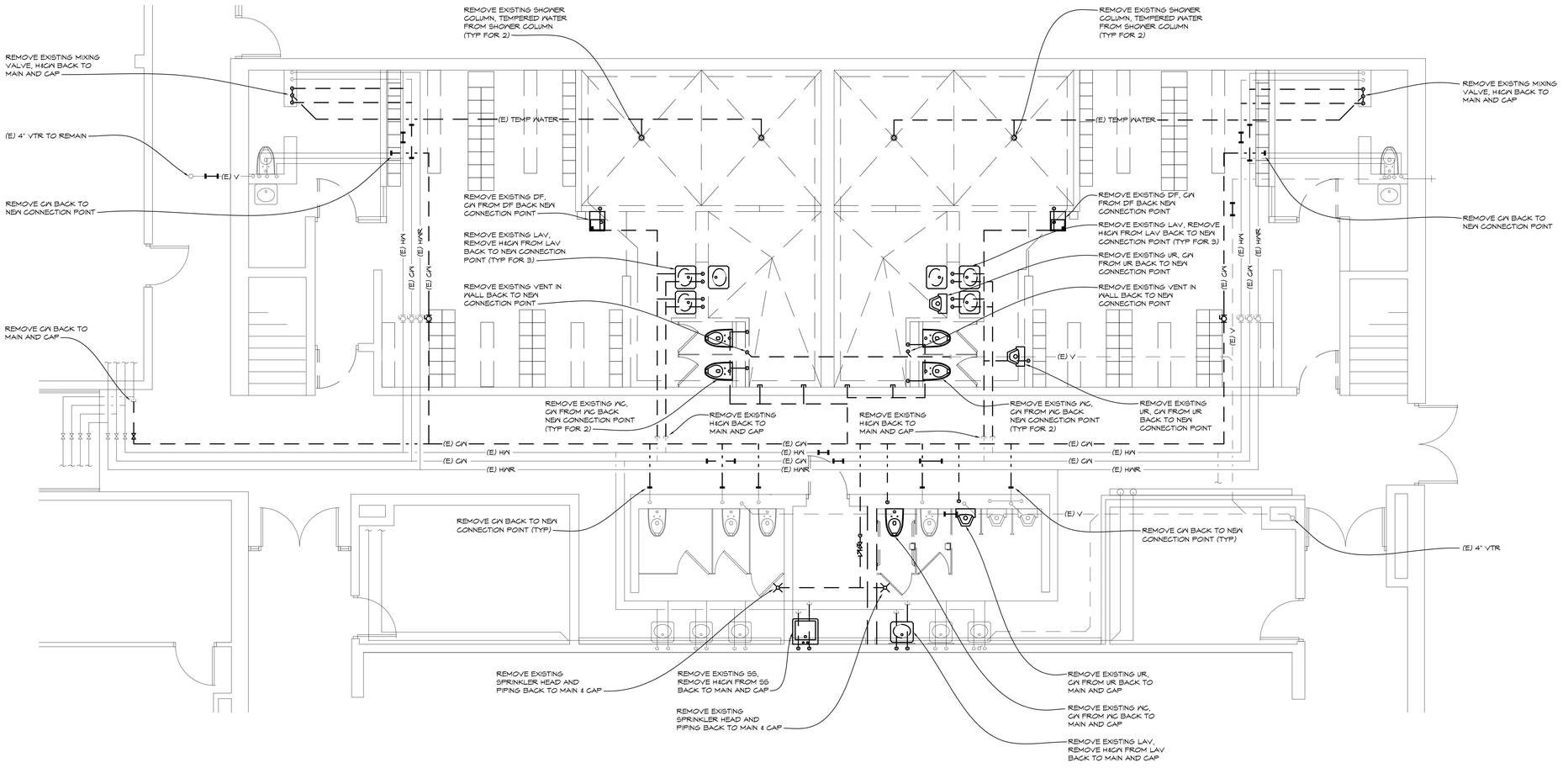
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PROJECT 'B' RENOVATIONS TO:
BULLOCK CREEK MIDDLE SCHOOL
644 SOUTH BADGUR ROAD
MIDLAND, MI

DRAWING TITLE
ENLARGED GYMNASIUM & MEZZANINE MECHANICAL DEMOLITION PLAN

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-M108
	REVIEWED MLB	DRAWING NO. B-M108
	DATE OCT 19, 2026	SHEET NO. 20 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P: Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC MS Bs\M108s-ADD-1.1
Plot date: 11/2/2026 12:34 PM



NORTH

1/4" = 1'-0"

ENLARGED LOCKER ROOM ABOVE FLOOR PLUMBING DEMOLITION PLAN

PLUMBING GENERAL NOTES

1. DIMENSIONS GIVEN ON DRAWINGS ARE FOR GUIDANCE ONLY, CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
2. FIELD VERIFY ALL EXISTING CONDITIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK
3. OWNER HAS FIRST RIGHT REFUSAL OF ANY MATERIALS AND EQUIPMENT BEING REMOVED
4. DASHED LINES INDICATE ELEMENTS TO BE REMOVED
5. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK, ANY NECESSARY TEMPORARY SHORING/ BRACING OF ELEMENTS AS REQUIRED AND REMOVAL OF ALL DEMOLISHED MATERIALS
6. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED; HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR SHALL REMOVE THE MATERIALS AS REQUIRED.
7. CONTRACTOR TO PROVIDE NEW ISOLATION VALVES AT HOT & COLD WATER LINES FEEDING TOILET ROOM, DRAIN & FILL DOMESTIC WATER TO BUILDING AS REQUIRED OR USE FREEZE MACHINE TO ISOLATE AREA.
8. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER
9. LEAVE NO DEAD LEG PIPING AT DOMESTIC WATER DEMOLITION REMOVE LINES BACK TO ACTIVE MAIN OR BRANCH. CAP AT ACTIVE LINE WITHIN 1-1/2 TIMES THE WIDTH OF PLUMBING LINE

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

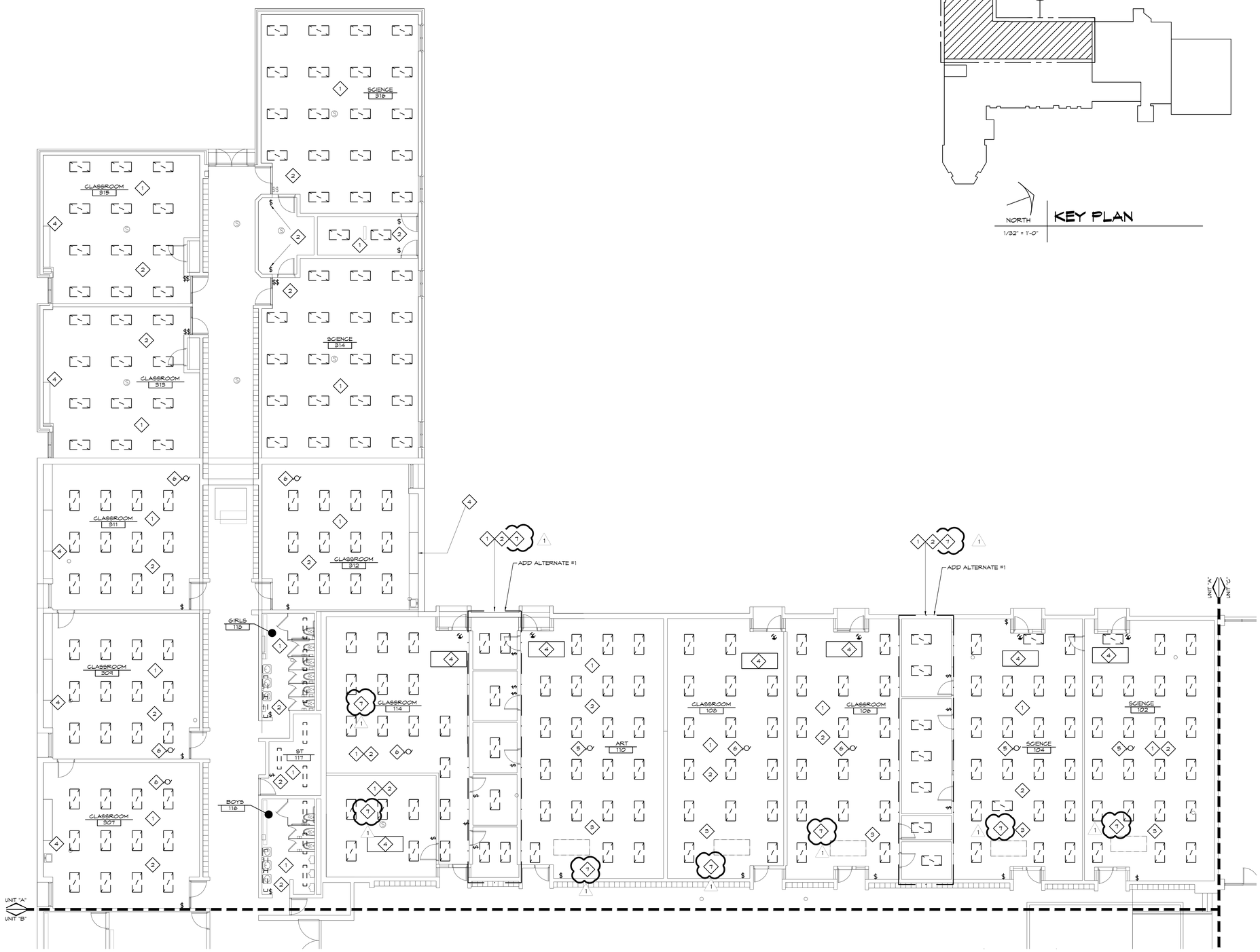
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

ENLARGED ABOVE FLOOR PLUMBING DEMOLITION PLANS

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. B-P102
	REVIEWED MLB	DRAWING NO. B-P102
	DATE OCT 19, 2026	SHEET NO. 24 OF 38
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC MS B-P102-ADD3-1.
Plot date: 11/2/2026 12:38 PM



1 UNIT 'A' ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

KEY PLAN
1/32" = 1'-0"

DEMOLITION NOTES

1. REMOVE LIGHT FIXTURES IN SPACE. REMOVE WIRE AND CONDUIT BACK TO JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN EXISTING BRANCH CIRCUIT TO SPACE FOR NEW LIGHT FIXTURES.
2. REMOVE EXISTING SWITCH(ES) IN SPACE. REMOVE WIRE BACK TO JUNCTION BOX ABOVE CEILING. MAINTAIN CONDUIT DOWN TO EXISTING SWITCH JUNCTION BOX FOR NEW WIRING.
3. MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO SOURCE.
4. MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE WIRING TO DISCONNECT. PULL BACK WIRING AND CONDUIT TO WHERE NEEDED FOR REMOVAL OF UNIT. MAINTAIN BRANCH CIRCUIT.
5. EXHAUST FAN TO BE RELOCATED. PULL BACK WIRE AND CONDUIT AS NEEDED FOR RELOCATION OF EXHAUST FAN. MAINTAIN BRANCH CIRCUIT FOR RELOCATION OF EXHAUST FAN.
6. EXHAUST FAN TO BE REMOVED. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
7. DISCONNECT ALL CEILING MOUNTED FIRE ALARM DEVICES IN ALL AREAS OF CEILING REWORK. REINSTALL DEVICES TO NEW CEILING IN SAME LOCATION UPON COMPLETION OF NEW CEILINGS.

PROJECT 'B'

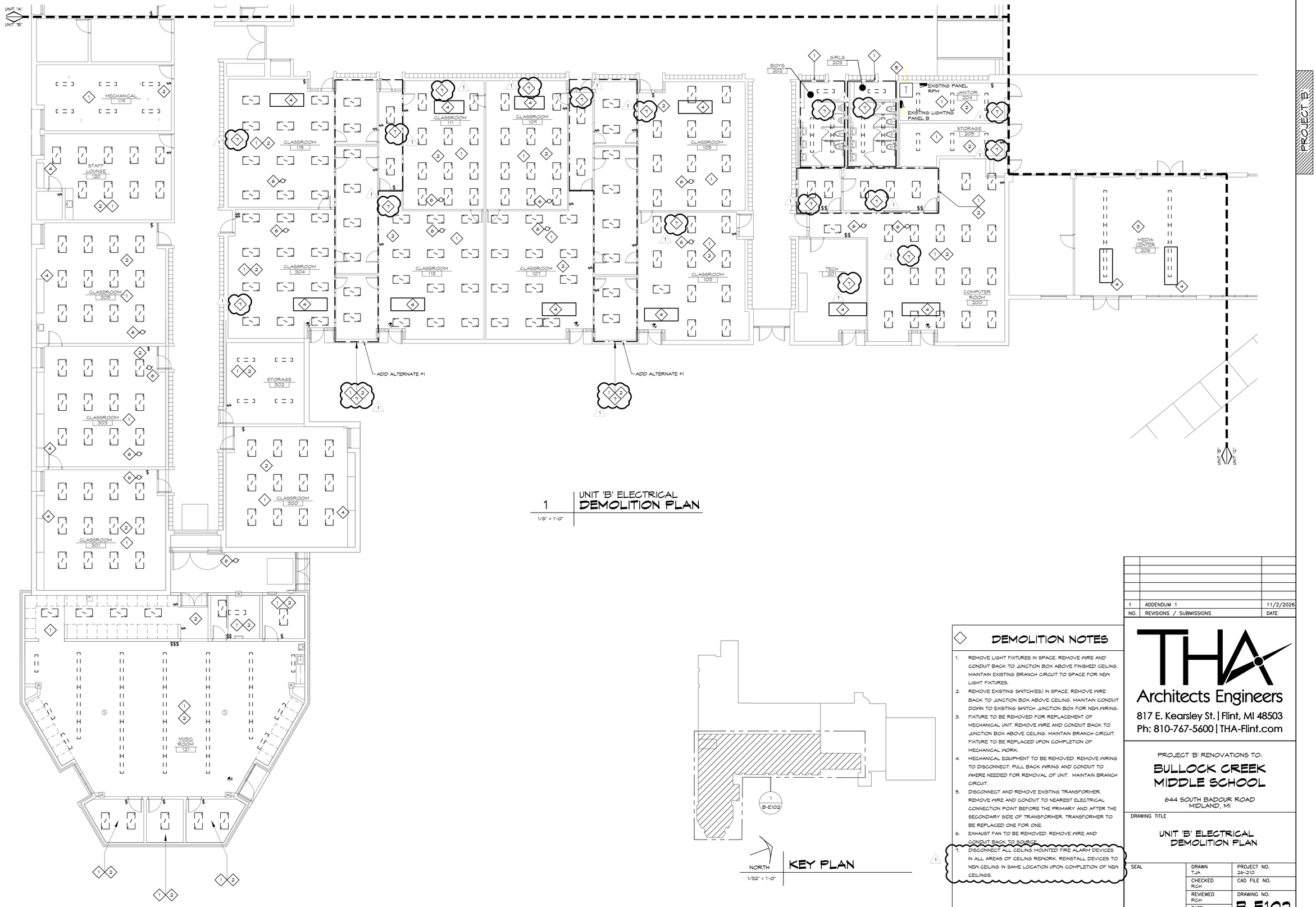
NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'B' RENOVATIONS TO:
BULLOCK CREEK MIDDLE SCHOOL
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE
UNIT 'A' ELECTRICAL DEMOLITION PLAN

SEAL	DRAWN TJA	PROJECT NO. 26-210
	CHECKED RCH	CAD FILE NO. B-E000
	REVIEWED RCH	DRAWING NO. B-E101
	DATE OCT 19, 2026	SHEET NO. 28 OF 38
	SCALE AS NOTED	



1 UNIT 'B' ELECTRICAL DEMOLITION PLAN

1/8" = 1'-0"

NORTH KEY PLAN

1/32" = 1'-0"

DEMOLITION NOTES

1. REMOVE LIGHT FIXTURES IN SPACE. REMOVE WIRE AND CONDUIT BACK TO JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN EXISTING BRANCH CIRCUIT TO SPACE FOR NEW LIGHT FIXTURES.
2. REMOVE EXISTING SWITCH(ES) IN SPACE. REMOVE WIRE BACK TO JUNCTION BOX ABOVE CEILING. MAINTAIN CONDUIT DOWN TO EXISTING SWITCH JUNCTION BOX FOR NEW WIRING.
3. FIXTURE TO BE REMOVED FOR REPLACEMENT OF MECHANICAL UNIT. REMOVE WIRE AND CONDUIT BACK TO JUNCTION BOX ABOVE CEILING. MAINTAIN BRANCH CIRCUIT. FIXTURE TO BE REPLACED UPON COMPLETION OF MECHANICAL WORK.
4. MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE WIRING TO DISCONNECT. PULL BACK WIRING AND CONDUIT TO WHERE NEEDED FOR REMOVAL OF UNIT. MAINTAIN BRANCH CIRCUIT.
5. DISCONNECT AND REMOVE EXISTING TRANSFORMER. REMOVE WIRE AND CONDUIT TO NEAREST ELECTRICAL CONNECTION POINT BEFORE THE PRIMARY AND AFTER THE SECONDARY SIDE OF TRANSFORMER. TRANSFORMER TO BE REPLACED ONE FOR ONE.
6. EXHAUST FAN TO BE REMOVED. REMOVE WIRE AND CONDUIT BACK TO SOURCE.
7. DISCONNECT ALL CEILING MOUNTED FIRE ALARM DEVICES IN ALL AREAS OF CEILING REWORK. REINSTALL DEVICES TO NEW CEILING IN SAME LOCATION UPON COMPLETION OF NEW CEILINGS.

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

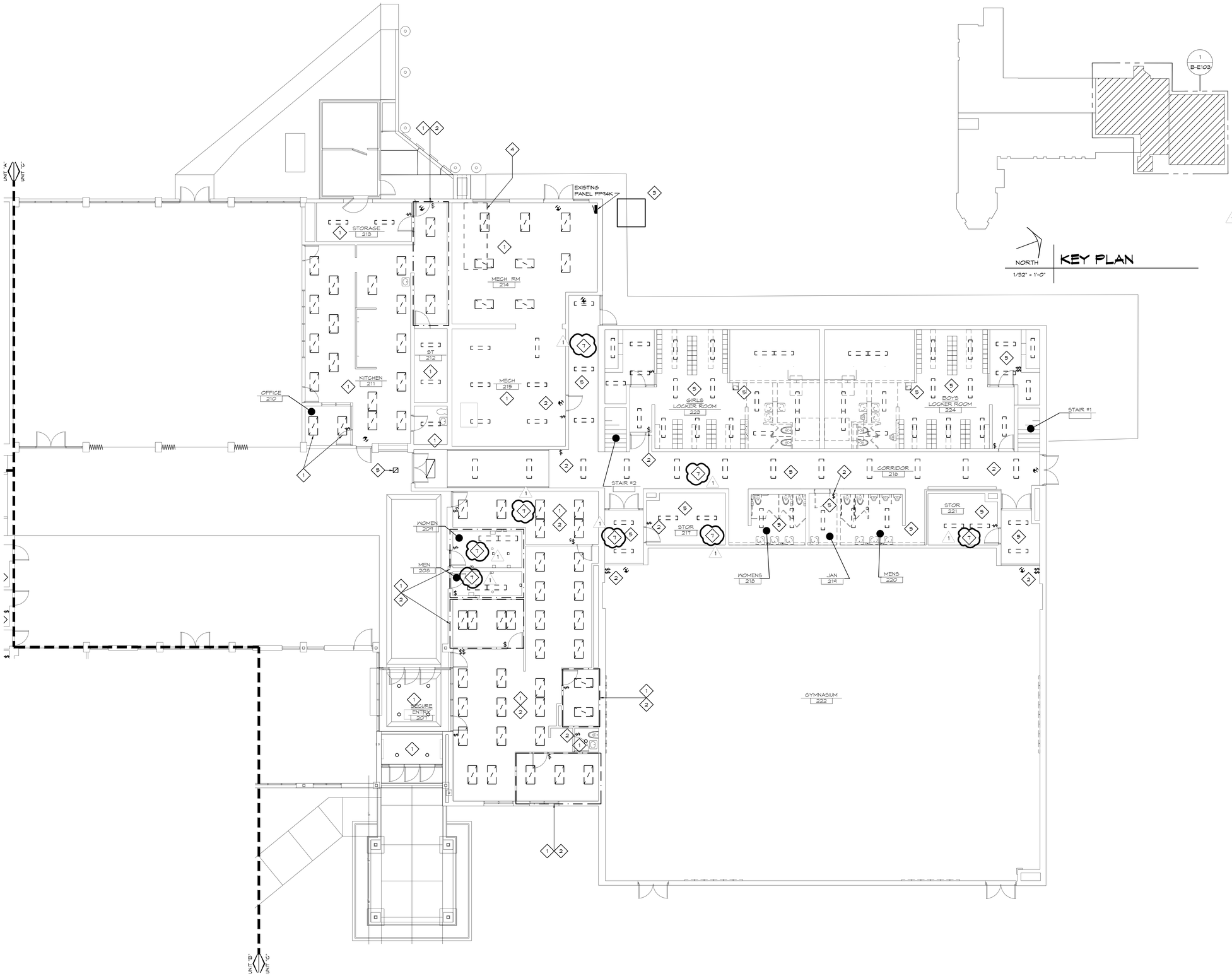
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

UNIT 'B' ELECTRICAL DEMOLITION PLAN

SEAL

DRAWN TJA	PROJECT NO. 26-210
CHECKED RGH	CAD FILE NO.
REVIEWED RGH	DRAWING NO. B-E102
DATE OCT 19, 2026	SHEET NO. 29 OF 38
SCALE	



1 UNIT 'C' ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

NORTH
KEY PLAN
1/32" = 1'-0"

DEMOLITION NOTES

1. REMOVE LIGHT FIXTURES IN SPACE. REMOVE WIRE AND CONDUIT BACK TO JUNCTION BOX ABOVE FINISHED CEILING. MAINTAIN EXISTING BRANCH CIRCUIT TO SPACE FOR NEW LIGHT FIXTURES.
2. REMOVE EXISTING SWITCH(ES) IN SPACE. REMOVE WIRE BACK TO JUNCTION BOX ABOVE CEILING. MAINTAIN CONDUIT DOWN TO EXISTING SWITCH JUNCTION BOX FOR NEW WIRING.
3. MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO SOURCE.
4. MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE WIRE AND CONDUIT BACK TO DISCONNECT. PULL BACK WIRING AND CONDUIT TO WHERE NEEDED FOR REMOVAL OF UNIT. MAINTAIN BRANCH CIRCUIT FOR NEW UNIT.
5. LIGHT FIXTURES IN SPACE TO BE REMOVED BY OTHERS. COORDINATE WITH ARCHITECTURAL PLANS.
6. DRINKING FOUNTAIN TO BE REMOVED BY OTHERS. REMOVE WIRE AND CONDUIT BACK TO JUNCTION BOX ABOVE FINISHED CEILING.
7. DISCONNECT ALL CEILING MOUNTED FIRE ALARM DEVICES IN ALL AREAS OF CEILING REWORK. REINSTALL DEVICES TO NEW CEILING IN SAME LOCATION UPON COMPLETION OF NEW CEILINGS.

PROJECT 'B'

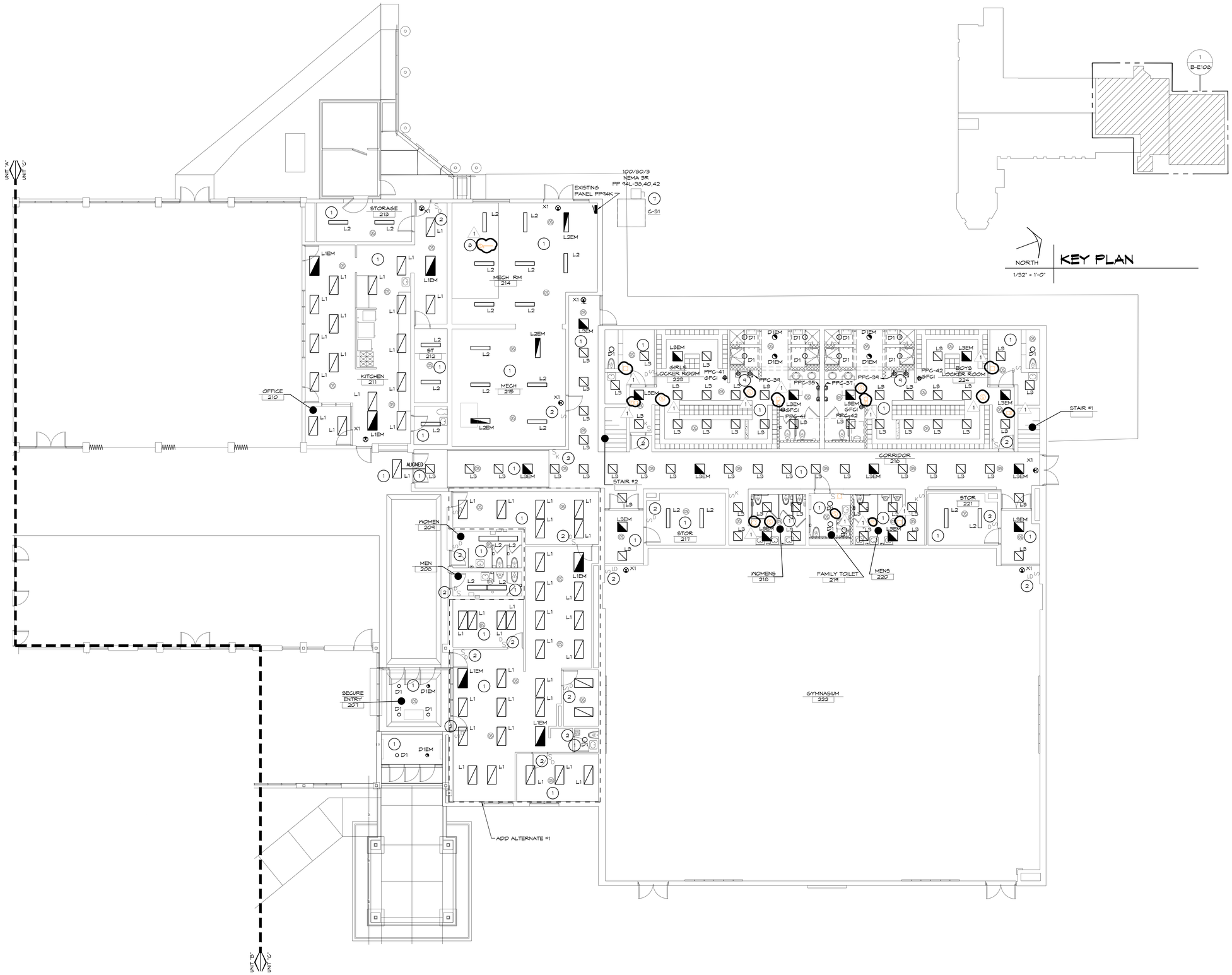
NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'B' RENOVATIONS TO:
BULLOCK CREEK MIDDLE SCHOOL
644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE
UNIT 'C' ELECTRICAL DEMOLITION PLAN

SEAL	DRAWN TJA	PROJECT NO. 26-210
	CHECKED RCH	CAD FILE NO.
	REVIEWED RCH	DRAWING NO. B-E103
	DATE OCT 19, 2026	SHEET NO. 30 OF 38
	SCALE	



1 UNIT 'C' ELECTRICAL NEW PLAN
1/8" = 1'-0"

NORTH
KEY PLAN
1/32" = 1'-0"

CONSTRUCTION NOTES

1. PROVIDE CONNECTION TO NEW LIGHTING FIXTURES FROM JUNCTION BOX ABOVE FINISHED CEILING.
2. PROVIDE CONNECTION TO NEW SWITCH.
3. REINSTALL EXISTING LIGHT FIXTURE THE EXACT LOCATION WHERE REMOVED. PULL EXISTING WIRE TO FIXTURE. CONNECT WIRING.
4. EXTEND EXISTING WIRING PULLED BACK FROM FEED TO NEW UNIT VENTILATOR. INSTALL NEW 20A FUSIBLE SWITCH ONTO EACH NEW UNIT VENTILATOR.
5. EXTEND EXISTING WIRING PULLED BACK FROM FEED TO NEW UNIT VENTILATOR. INSTALL NEW 15A FUSIBLE SWITCH ONTO EACH NEW UNIT VENTILATOR.
6. PROVIDE CONNECTION TO NEW PUMP. COORDINATE FINAL LOCATION OF PUMP WITH PLUMBING PLANS.
7. PROVIDE CONNECTION TO NEW CONDENSING UNIT. PROVIDE WIRE, CONDUIT, AND BREAKER AS NEEDED FOR NEW CONNECTION. NEW CONDENSING UNIT SHALL BE INSTALLED IN SAME LOCATION AS PREVIOUS UNIT. REPLACE BREAKER IN PANEL PP 94L WITH NEW 80 AMP BREAKER. PROVIDE NEW WIRE AND CONDUIT TO NEW CONDENSING UNIT.
8. EXTEND WIRE AND CONDUIT TO NEW AHU AS REQUIRED. PROVIDE DUCT SMOKE DETECTOR IN RETURN DUCT. PROVIDE CONNECTION TO DUCT SMOKE DETECTOR TO FIRE ALARM SYSTEM IN SPACE. UPON ACTIVATION, AHU TO SHUT DOWN AND SOUND ALARM VIA FIRE ALARM CONTROL PANEL.
9. RECEPTACLE TO BE LOCATED BEHIND DRINK FOUNTAIN SHROUD. COORDINATE FINAL LOCATION WITH PLUMBING EQUIPMENT.

PROJECT 'B'

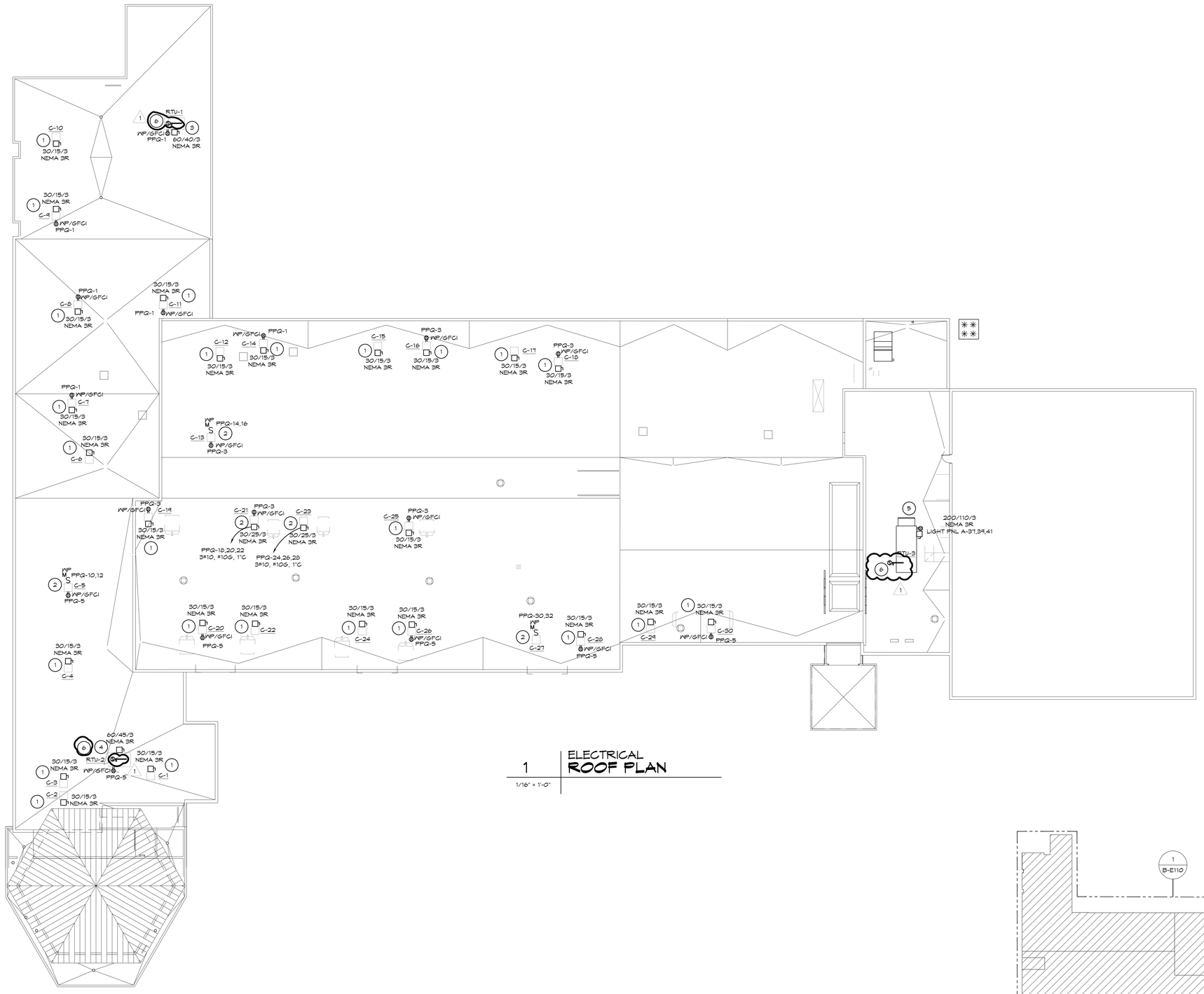
NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'B' RENOVATIONS TO:
BULLOCK CREEK MIDDLE SCHOOL
644 SOUTH BADOUR ROAD
MIDLAND, MI

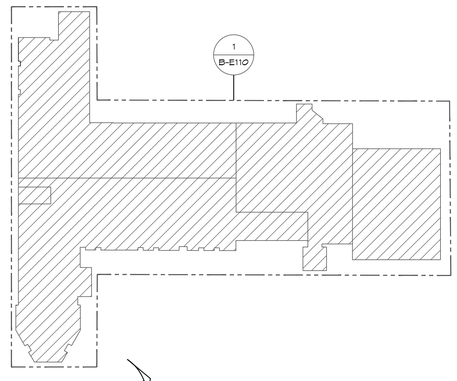
DRAWING TITLE
UNIT 'C' ELECTRICAL NEW PLAN

SEAL	DRAWN TJA	PROJECT NO. 26-210
	CHECKED RGH	CAD FILE NO.
	REVIEWED RGH	DRAWING NO. B-E108
	DATE OCT 19, 2026	SHEET NO. 35 OF 38
	SCALE	



1 ELECTRICAL ROOF PLAN

1/16" = 1'-0"



NORTH

KEY PLAN

1/32" = 1'-0"

CONSTRUCTION NOTES

1. PULL EXISTING WIRING FROM FEED TO NEW CONDENSING UNIT. NEW CONDENSING UNITS ARE TO BE INSTALLED IN SAME LOCATION AS PREVIOUS UNITS. INSTALL 15A/3P DISCONNECT ONTO EACH NEW CONDENSING UNIT.
2. PROVIDE CONNECTION TO NEW CONDENSING UNIT FROM CIRCUIT BREAKER AS SHOWN.
3. PROVIDE CONNECTION TO NEW ROOF TOP UNIT. PROVIDE WIRE AND CONDUIT AS SHOWN. PROVIDE 40A BREAKER IN SAME POSITION AS PREVIOUS UNIT.
4. PROVIDE CONNECTION TO NEW ROOF TOP UNIT. PROVIDE WIRE AND CONDUIT AS SHOWN. PROVIDE 45A BREAKER IN SAME AS PREVIOUS UNIT.
5. PROVIDE CONNECTION TO NEW ROOF TOP UNIT. PROVIDE WIRE AND CONDUIT AS SHOWN. PROVIDE 110A BREAKER IN LIGHT PANEL A AS SHOWN.
6. PROVIDE DUCT SMOKE DETECTOR IN RETURN DUCT OF UNIT. PROVIDE CONNECTION TO FIRE ALARM CONTROL PANEL. UPON ACTIVATION, UNIT TO SHUT DOWN AND SOUND ALARM VIA FIRE ALARM CONTROL PANEL.

1

PROJECT 'B'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'B' RENOVATIONS TO:

BULLOCK CREEK MIDDLE SCHOOL

644 SOUTH BADOUR ROAD
MIDLAND, MI

DRAWING TITLE

ELECTRICAL ROOF PLAN

SEAL	DRAWN TJA	PROJECT NO. 26-210
	CHECKED RCH	CAD FILE NO.
	REVIEWED RCH	DRAWING NO. B-E110
	DATE OCT 19, 2026	SHEET NO. 37 OF 38
	SCALE	

STANDARD ABBREVIATIONS

@	at	KO	knockout
A/C	air conditioning		
ACOUST	acoustical	LAM	laminate
AD	adjustable	LAV	lavatory
AFF	above finish floor	LH	left hand
ALT	alternate	LL	live load
ALUM	aluminum	LLH	long leg horizontal
ANCH	anchor, anchorage	LLV	long leg vertical
ARCH	architect/architectural	LTWT	light weight
BD	board		
BIT	bituminous	MB	markerboard
BLDG	building	MAS	masonry
BLK	block	MAX	maximum
BLKG	blocking	MECH	mechanic/mechanical
BM	bench mark	MET	metal
BOTT	bottom	MH	manhole
BRG	bearing	MIN	minimum
BSMT	basement	MISC	miscellaneous
		MO	masonry opening
C/C	center to center	MCJ	masonry control joint
CAB	cabinet	MT	metal threshold
CB	chalkboard/catch basin	MULL	mullion
CEM	cement		
CER	ceramic	NIC	not in contract
CF	cubic foot	NO	number
CHWR	chilled water return	NOM	nominal
CHWS	chilled water supply	NRC	noise reduction coefficient
CI	cast iron	NTS	not to scale
CJ	control joint		
CLG	ceiling	O/O	out to out
CMU	concrete masonry unit	OA	overall
CO	clean out	OC	on center
COL	column	OD	outside diameter
CONC	concrete	OPG	opening
CONST	construction	OPP	opposite
CONT	continuous/continuing	PCF	pounds per cubic foot
CONTR	contract/contractor	PLAS	plaster
CONV	convector	±	plus or minus
CRS	course(s)	PLF	pounds per lineal foot
CT	ceramic tile	PSF	pounds per square foot
CUH	cabinet unit ventilator	PSI	pounds per square inch
CW	domestic cold water	PART	partition
CY	cubic yard	PVC	polyvinyl chloride
		PMT	pavement
°	degree		
DET	detail		
DF	drinking fountain	R	riser/radius
DIAG	diagonal	RA	return air
DIA or Ø	diameter	RD	roof drain
DIM	dimension	REF.	reference
DIV	division	REF	refrigerator
DP	dampproofing	REINF	reinforce(d)/reinforcing
DS	downspout	RES	resilient
DWG	drawing	REV	revision(s)/revised
		RH	right hand
		RM	room
EA	each	RO	rough opening
EIFS	exterior insulation finish system (synthetic plaster)	ROW	right of way
		RS	roof sump
ELEC	electric/electrical	RWC	rainwater conductor
EQ	equal		
EQUIP	equipment	SAN	sanitary
EWC	electric water cooler	SD	storm drain
EXIST	existing	SECT	section
EXH	exhaust	SHT	sheet
EXT	exterior	SIM	similar
		SPEC	specification(s)
FA	fire alarm	SQ	square
FAI	fresh air intake	SS	service sink
FD	floor drain	SST	stainless steel
FE	fire extinguisher	STL	steel
FEC	fire extinguisher cabinet	STD	standard
FIN	finish(ed)	SUSP	suspended
FL	floor(ing)	SYM	symmetry/symmetrical
FOUND	foundation		
FTR	fin tube radiation	T&G	tongue/groove
FTG	footing	T	tread
		TB	tackboard
G	gas	TEL	telephone
GA	gage/gauge	TERR	terrazzo
GC	general contractor	THR	threshold
GI	galvanized iron	TV	television
GL	glass/glazing	TYP	typical
GST	glazed structural tile		
GALV	galvanized	UH	unit heater
		UR	urinal
HB	hose bibb	UV	unit ventilator
HDW	hardware		
HM	hollow metal	V	vent
HORIZ	horizontal	VERT	vertical
HGT	height		
HTG	heating	W	width/wide
HVAC	heating/ventilating/air conditioning	W/	with
HW	domestic hot water	WC	water closet
HWHR	hot water heating return	WD	wood
HWHS	hot water heating supply	WH	water heater
HWR	domestic hot water return	WI	wrought iron
		W/W	wall to wall
ID	inside dimension	WWR	welded wire reinforcement
INT	interior		
INV	invert		

HATCHING PATTERN KEY

BRICK · CONC BLOCK · RIGID INSUL · BATT INSUL · ACOUST TILE

CONCRETE · ASPHALT · METAL · FINISH WOOD · GYP BOARD

EARTH · SAND · GRAVEL · LUMBER · PLYWOOD

SYMBOLS KEY

NORTH — NORTH ARROW

100'-0" — EXISTING ELEVATION POINT

100'-0" — NEW ELEVATION POINT

ELEVATION TARGET

A — COLUMN NUMBER — COLUMN CENTERLINE

1 / A1 — DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

1 / A1 — DETAIL NUMBER / SHEET NUMBER — WALL SECTION

1-A1 — DET NUM - SHT NUM — DETAIL BUBBLE

NORKROOM 101 — ROOM NAME / ROOM NUMBER — ROOM NUMBER

100 — DOOR NUMBER

100 — WINDOW NUMBER

1 / A101 — ELEVATION NUMBER / SHEET NUMBER — INTERIOR ELEVATION

001 — DEMOLITION NOTE

DEVELOPMENT DATA

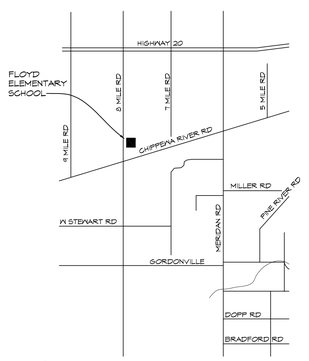
APPLICABLE CODES & ORDINANCES
2021 MICHIGAN REHABILITATION CODE -ALTERNATION, LEVEL 2 ~~2021 MICHIGAN BUILDING CODE~~
2012 MICHIGAN MECHANICAL CODE
2021 MICHIGAN ENERGY CODE ASHRAE 90.1 2019 ~~2021 MICHIGAN PLUMBING CODE~~
2023 NATIONAL ELECTRICAL CODE (NEC)
NFPA 101 LIFE SAFETY CODE 2012 AS ADOPTED BY MICHIGAN BUREAU OF FIRE SAFETY (MBFS)
ICC A117.1 - 2009

BUILDING USE
EXISTING: E, EDUCATION

BUILDING CONSTRUCTION TYPE
TYPE II-B (0,0,0) NON-COMBUSTIBLE

BUILDING AREA
EXISTING GROSS AREA = 44,950 SF

OCCUPANCY
PER CODE = 469 OCCUPANTS TOTAL



NORTH — NO SCALE — **LOCATION MAP**

BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT #26-210

1420 SOUTH BADOUR ROAD MIDLAND, MI 48640

PROJECT 'D'
ADDITION AND RENOVATIONS TO:
FLOYD ELEMENTARY SCHOOL

725 SOUTH EIGHT MILE ROAD MIDLAND, MI 48640

INDEX OF DRAWINGS

D-G001 TITLE SHEET

D-S001 STRUCTURAL NOTES
D-S002 SPECIAL INSPECTIONS AND TYPICAL DETAILS
D-S100 STRUCTURAL PLANS, SECTIONS, AND DETAILS

D-A100 COMPOSITE DEMOLITION PLAN
D-A101 COMPOSITE FLOOR PLAN
D-A102 COMPOSITE ROOF PLAN AND ENLARGED ROOF PLAN
D-A103 DEMOLITION PLAN, PARTIAL FLOOR PLAN, AND REFLECTED CEILING PLAN
D-A104 FOUNDATION PLAN, FLOOR PLAN, RCP, AND ROOF PLAN

D-A201 ELEVATIONS AND BUILDING SECTIONS

D-A301 WALL SECTIONS & ENLARGED DETAILS

D-A601 DOOR SCHEDULE, ROOM FINISH SCHEDULE, INTERIOR ELEVATIONS, AND DETAILS

D-M001 MECHANICAL SCHEDULES
D-M101 COMPOSITE MECHANICAL FLOOR PLAN
D-M102 UNIT 'A' MECHANICAL FLOOR PLAN
D-M103 ENLARGED MECHANICAL DEMOLITION AND FLOOR PLANS

D-P101 ENLARGED PLUMBING FLOOR PLANS

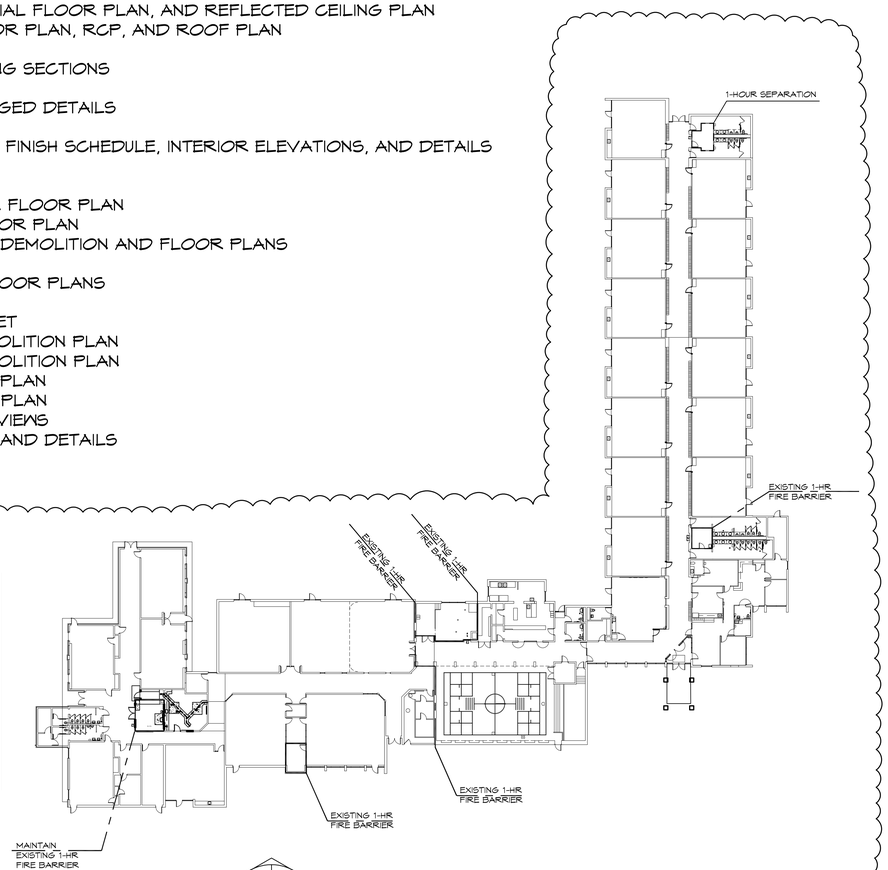
D-E000 ELECTRICAL COVER SHEET
D-E101 UNIT 'A' ELECTRICAL DEMOLITION PLAN
D-E102 UNIT 'B' ELECTRICAL DEMOLITION PLAN
D-E103 UNIT 'A' ELECTRICAL NEW PLAN
D-E104 UNIT 'B' ELECTRICAL NEW PLAN
D-E105 ENLARGED ELECTRICAL VIEWS
D-E601 ELECTRICAL SCHEDULES AND DETAILS

FIRE SEPARATION LEGEND

1-HR FIRE BARRIER

FIRE SEPARATION NOTES

1. ALL PENETRATIONS THROUGH EXISTING 1 HR RATED FIRE SEPARATIONS ARE TO MAINTAIN 1-HOUR RATING.
2. ALL NEW PENETRATIONS OF EXISTING JANITORS' CLOSETS, EXISTING STORAGE ROOMS, AND EXISTING MECHANICAL ROOMS MUST PROVIDE 1-HOUR RATING.



NORTH — NTS — **COMPOSITE PLAN** — x01

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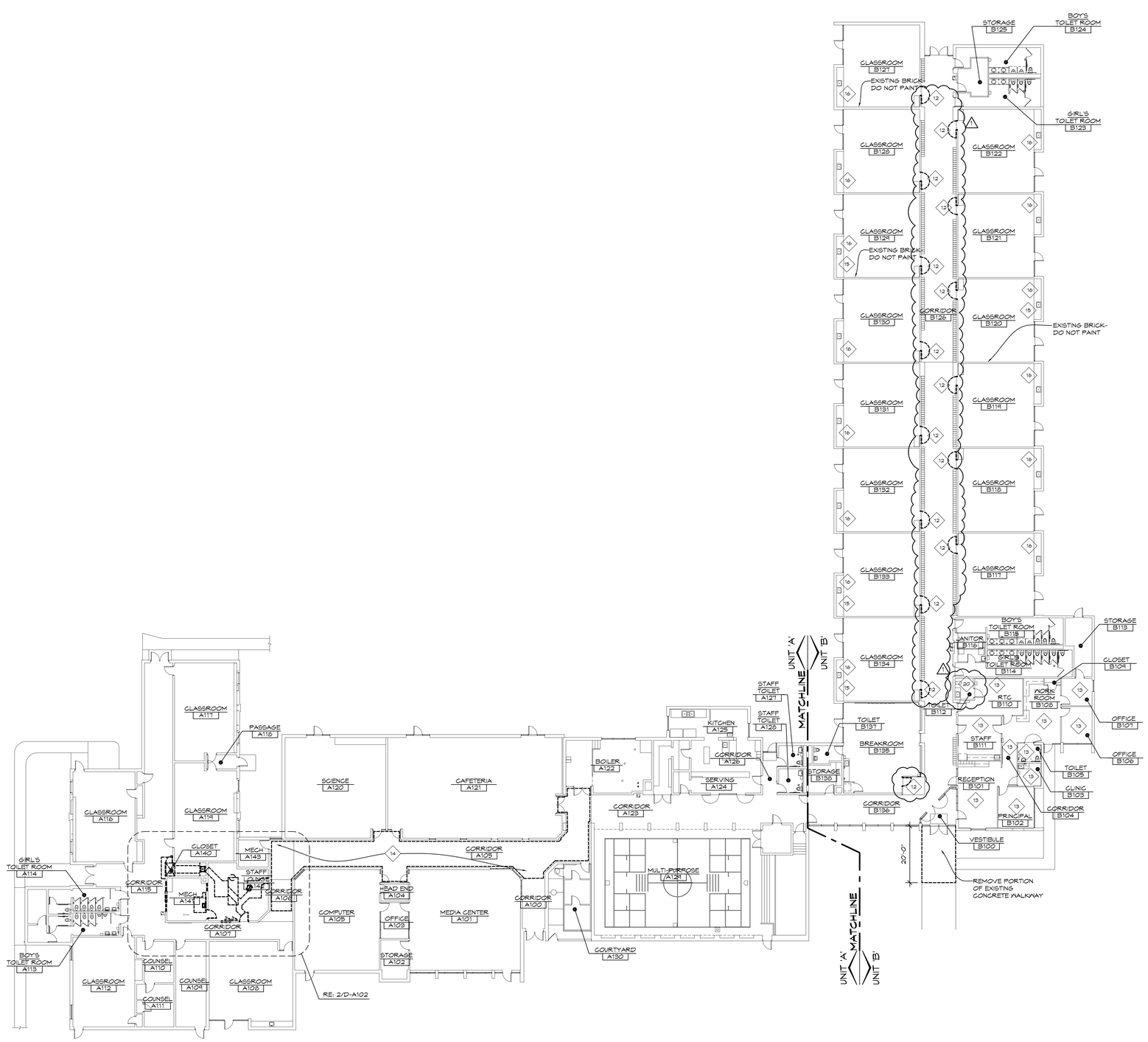
PROJECT 'D'

BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT# 26-210
1420 SOUTH BADOUR ROAD MIDLAND MI 48640
PROJECT 'D'
ADDITION AND RENOVATIONS TO:
FLOYD ELEMENTARY SCHOOL
725 SOUTH EIGHT MILE ROAD MIDLAND MI 48640

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

SEAL	DRAWN KRS	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. D-G001
	REVIEWED MLB	DRAWING NO. D-G001
	DATE OCT 14, 2026	SHEET NO. 1 OF 24
	SCALE N.T.S.	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC_FLOYD\D-G001 TITLE
Plot date: 11/2/2026 12:09 PM



NORTH

1/16" = 1'-0"

COMPOSITE DEMOLITION PLAN

X01

◇ DEMOLITION NOTES

1. REMOVE EXISTING LOUVER.
2. REMOVE EXISTING DOOR AND FRAME.
3. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR AS REQUIRED TO REMOVE FLOOR DRAINS/ CLEAN OUTS. COORDINATE WITH PLUMBING TRADES.
4. REMOVE EXISTING GAS LINE.
5. REMOVE EXISTING CONCRETE EQUIPMENT PAD.
6. REMOVE EXISTING COUNTERTOP AND BASE CABINETS.
7. REMOVE EXISTING SINK.
8. REMOVE EXISTING WOOD STUD WALL.
9. REMOVE EXISTING ELECTRICAL PANEL. RE: ELECTRICAL
10. REMOVE PORTION OF EXISTING MASONRY WALL.
11. REMOVE EXISTING SHELF.
12. REMOVE EXISTING WOOD DOOR AND WOOD DOOR FRAME. REMOVE SECURITY BOOT AND STORAGE CASE FROM EXISTING DOOR PANEL AND SALVAGE FOR RE-INSTALLATION.
13. REMOVE EXISTING FLOORING AND WALL BASE.
14. REMOVE EXISTING LAY-IN CEILING ASSEMBLY COMPLETE. ALL CEILING MOUNTED COMPONENTS TO REMAIN SHALL BE REMOVED, SALVAGED, AND REINSTALLED ON NEW CEILING.
15. REMOVE EXISTING WALL COVERING.
16. REMOVE EXISTING SHELVES. SALVAGE FOR RE-INSTALLATION.
17. REMOVE AND SALVAGE EXISTING VCT FLOOR TILE.
18. REMOVE PORTION OF EXISTING GYPSUM BOARD CEILING AND FRAMING ABOVE AS REQUIRED FOR NEW WALL CONSTRUCTION.
19. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOORING AS REQUIRED FOR NEW UNDERFLOOR PLUMBING WORK. COORDINATE WITH PLUMBING DRAWINGS.
20. EXISTING FLOORING AND WALL BASE TO BE REMOVED BY OTHERS.
21. EXISTING DOOR AND DOOR FRAME TO BE REMOVED BY OTHERS.

DEMOLITION GENERAL NOTES

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
2. OWNER HAS FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND EQUIPMENT BEING REMOVED.
3. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS REQUIRED OF THESE AND OTHER TRADES.
4. AT ALL DEMOLITION AREAS, PATCH AND FINISH TO MATCH EXISTING FINISHES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS ELEMENTS.

   OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL ITEMS SCHEDULED FOR REMOVAL.
7. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN.
9. REPAIR ALL WALLS, FLOORS AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES
10. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS OF THE BUILDING DURING CONSTRUCTION TO PREVENT DAMAGE, INCLUDING WEATHERPROOFING AT ALL OPENINGS.
11. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING AND DISCONNECTING ALL INCIDENTAL ITEMS.

PROJECT 'D'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'D' ADDITION AND RENOVATIONS TO:

FLOYD ELEMENTARY SCHOOL

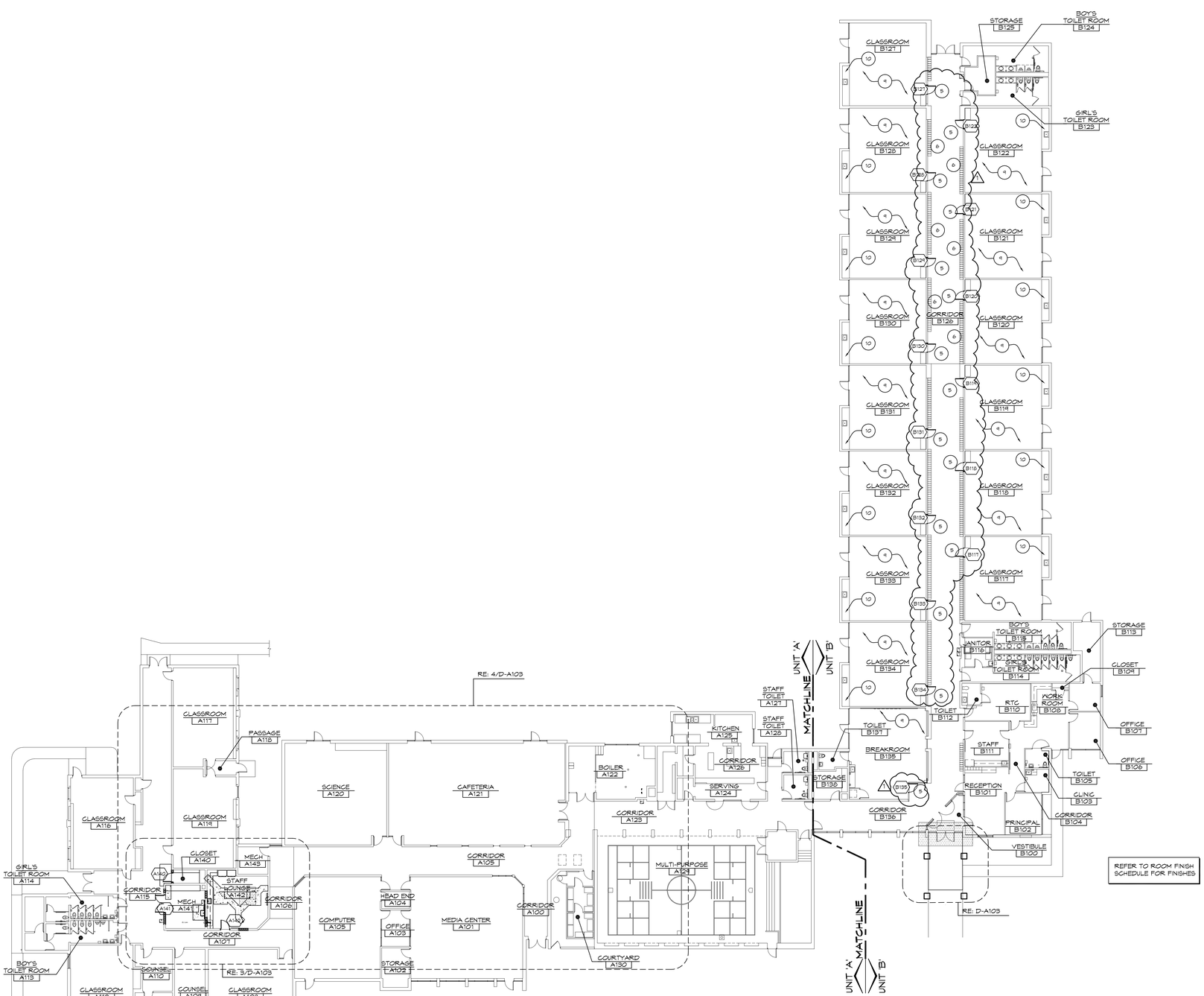
725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE

COMPOSITE DEMOLITION PLAN

SEAL	DRAWN EVA	PROJECT NO. 26-210
	CHECKED JBS6	CAD FILE NO. D-A100
	REVIEWED MLB	DRAWING NO. D-A100
	DATE OCT 19, 2026	SHEET NO. 5 OF 24
	SCALE 1/16"-1'-0"	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\D-DD\BC FLOYD D-A100 CC
Plot date: 10/30/2026 9:16 AM



NORTH

1/16" = 1'-0"

COMPOSITE FLOOR PLAN

X01

GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION VARIES, SEE PLAN.
2. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, AND/OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
4. COORDINATE ALL WORK WITH GENERAL, MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL OPENINGS REQUIRED OF THESE AND OTHER TRADES.
5. REPAIR ALL WALLS, AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS TO REMAIN DURING CONSTRUCTION TO PREVENT DAMAGE.
7. TOUCH UP PAINT AT ALL AREAS DISTURBED BY DEMOLITION AND NEW WORK.
8. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
9. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.
10. AT ALL EXISTING FINISHES, REPAIR WALLS, CEILINGS AND SURFACES AT DEMOLITION WITH SAME MATERIAL TO BE SMOOTH WITH EXISTING MATERIAL AND READY FOR PAINTED FINISH.

○ CONSTRUCTION NOTES

1. NEW DOOR AND FRAME.
2. CONCRETE FLOOR AT EXISTING FLOOR OPENING.
3. NEW SHELVING, RE: DETAIL 3/D-A601
4. INFILL EXISTING WALL OPENING WITH CMU MASONRY. TOOTH AND KEY MASONRY.
5. NEW DOOR AND DOOR FRAME. RE-INSTALL EXISTING SECURITY BOOT AND CASE.
6. SAND AND PAINT EXISTING LOCKERS (ADD ALTERNATE #1).
7. INSTALL SELF-LEVELING TO ELIMINATE EXISTING SLOPE IN FLOORING, ASSUME ENTIRE ROOM.
8. 4" CONCRETE WITH 6x6x1.4xWWR, DOWEL INTO EXISTING CONCRETE FLOOR WITH #3 BARS AT 16" O.C.
9. PAINT EXISTING PLASTER WALLS.
10. RE-INSTALL EXISTING SHELVING.
11. PAINT EXISTING PLASTER CEILING.

PROJECT 'D'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'D' ADDITION AND RENOVATIONS TO:

FLOYD ELEMENTARY SCHOOL

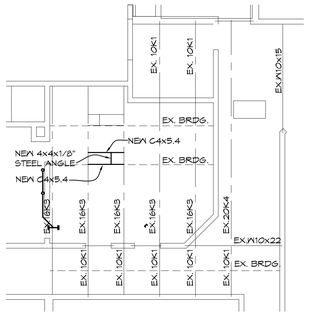
725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE

COMPOSITE FLOOR PLAN

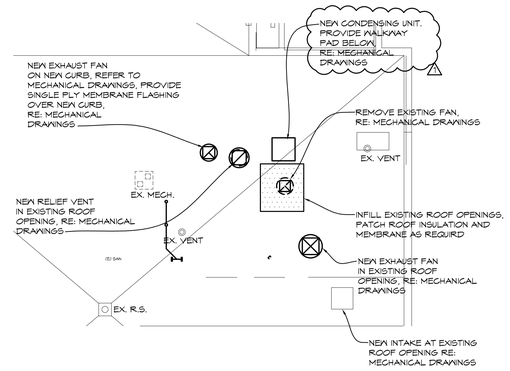
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	CHECKED JESS	CAD FILE NO. D-A101
	REVIEWED MLB	DRAWING NO. D-A101
	DATE OCT 19, 2026	SHEET NO. 6 OF 24
	SCALE 1/16"=1'-0"	

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Plot date: 10/30/2026 9:17 AM



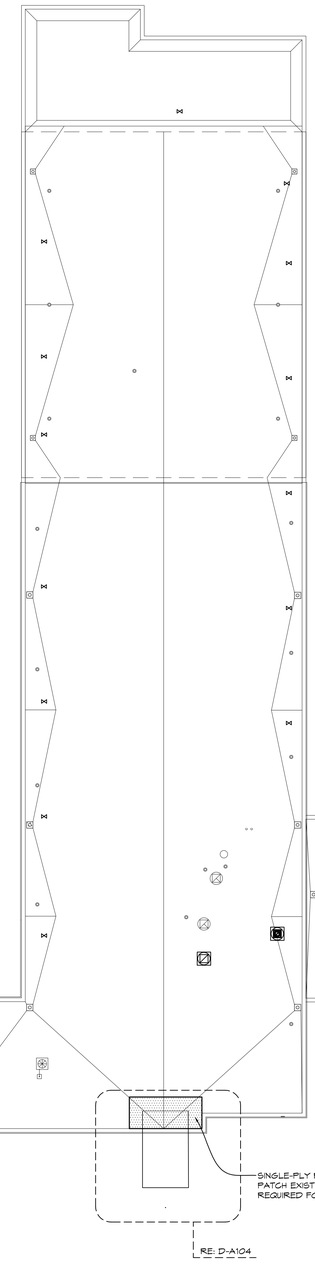
NORTH | 2 | ENLARGED FRAMING PLAN

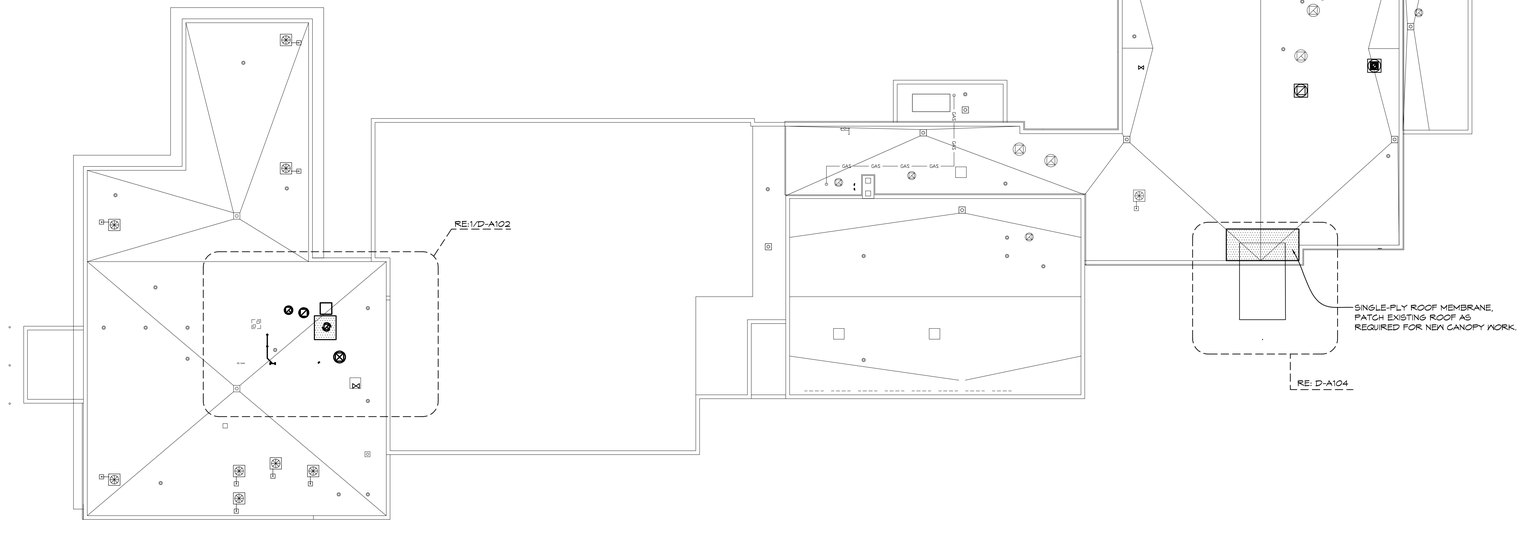
1/4" = 1'-0" | X01



NORTH | 1 | ENLARGED ROOF PLAN

1/4" = 1'-0" | X01





NORTH | COMPOSITE ROOF PLAN

1/16" = 1'-0" | X01

GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION VARIES, SEE PLAN.
2. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, AND/OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
4. COORDINATE ALL WORK WITH GENERAL, MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL OPENINGS REQUIRED OF THESE AND OTHER TRADES.
5. REPAIR ALL WALLS, AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS TO REMAIN DURING CONSTRUCTION TO PREVENT DAMAGE.
7. TOUCH UP PAINT AT ALL AREAS DISTURBED BY DEMOLITION AND NEW WORK.
8. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
9. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.
10. AT ALL EXISTING FINISHES, REPAIR WALLS, CEILINGS AND SURFACES AT DEMOLITION WITH SAME MATERIAL TO BE SMOOTH WITH EXISTING MATERIAL AND READY FOR PAINTED FINISH.

PROJECT 'D'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'D' ADDITION AND RENOVATIONS TO:

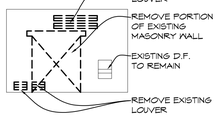
FLOYD ELEMENTARY SCHOOL

725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE
COMPOSITE ROOF PLAN AND ENLAREGED ROOF PLAN

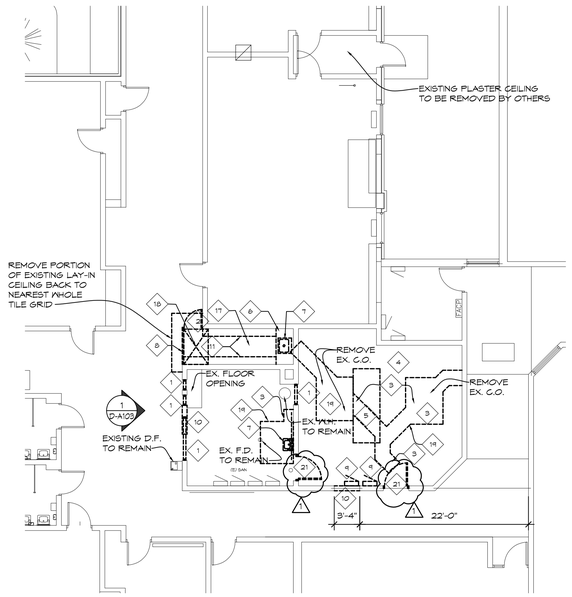
SEAL	DRAWN EVA	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. D-A102
	REVIEWED MLB	DRAWING NO. D-A102
	DATE OCT 19, 2026	SHEET NO. 7 OF 24
	SCALE 1/16"=1'-0"	

THA Architects Engineers • P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC FLOYD D-A102 CO
Plot date: 10/30/2026 9:18 AM



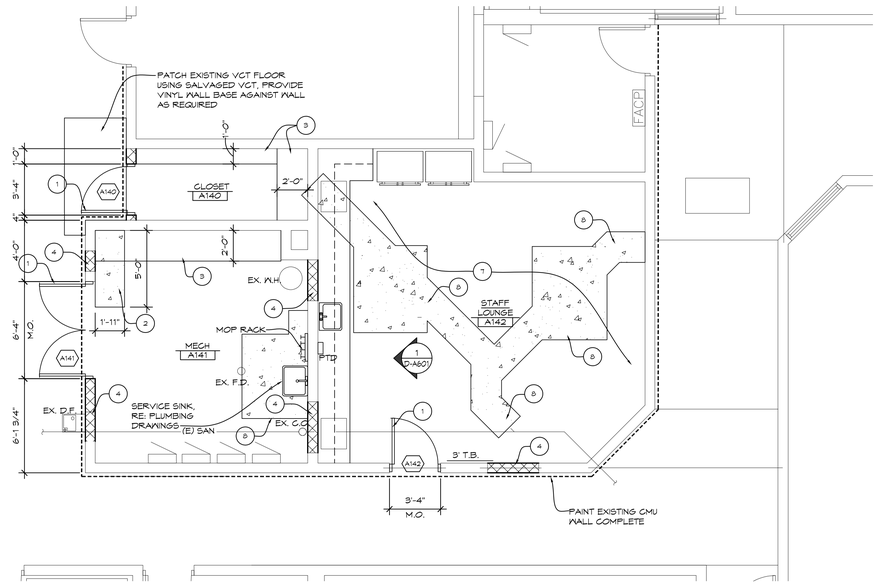
1 DEMOLITION ELEVATION

1/8" = 1'-0"



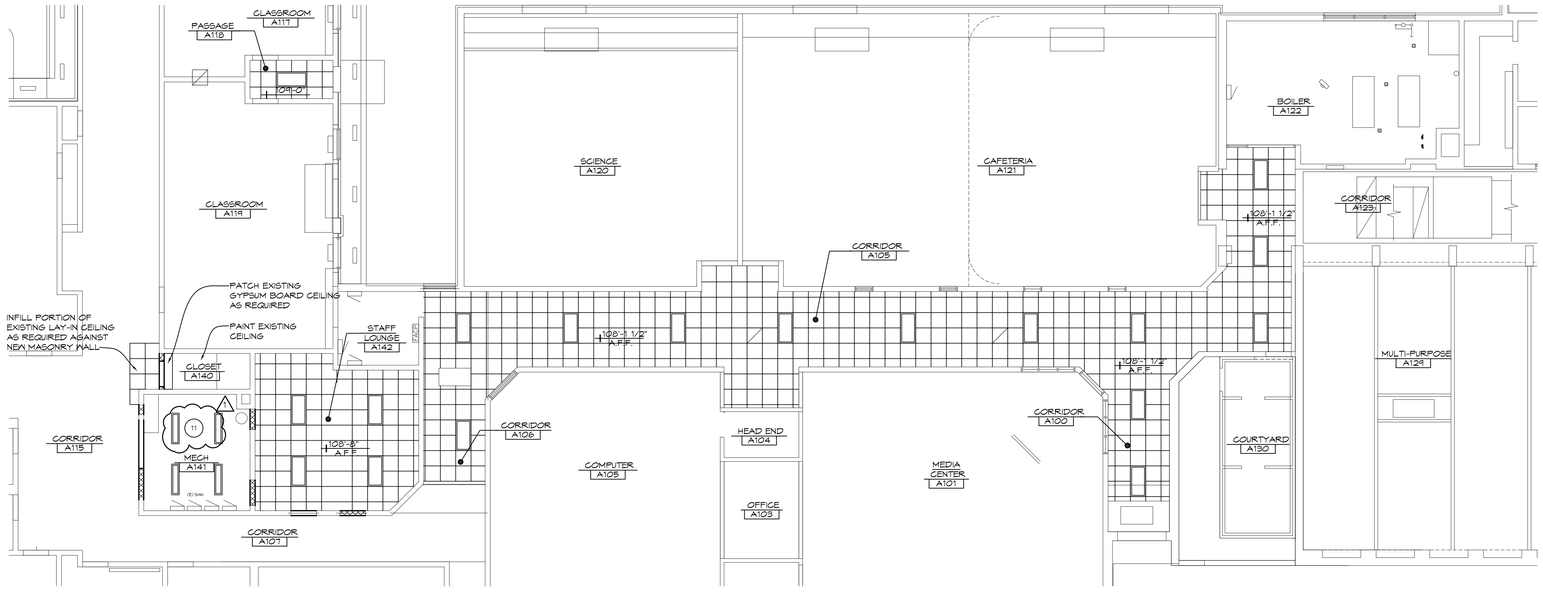
2 PARTIAL DEMOLITION PLAN

1/8" = 1'-0" | X01



3 PARTIAL FLOOR PLAN

1/4" = 1'-0" | X01



NORTH

4 PARTIAL REFLECTED CEILING PLAN

1/8" = 1'-0" | X01

DEMOLITION NOTES

1. REMOVE EXISTING LOUVER.
2. REMOVE EXISTING DOOR AND FRAME.
3. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOOR AS REQUIRED TO REMOVE FLOOR DRAINS/ CLEAN OUTS. COORDINATE WITH PLUMBING TRADES.
4. REMOVE EXISTING GAS LINE.
5. REMOVE EXISTING CONCRETE EQUIPMENT PAD.
6. REMOVE EXISTING COUNTERTOP AND BASE CABINETS.
7. REMOVE EXISTING SINK.
8. REMOVE EXISTING WOOD STUD WALL.
9. REMOVE EXISTING ELECTRICAL PANEL. RE: ELECTRICAL
10. REMOVE PORTION OF EXISTING MASONRY WALL.
11. REMOVE EXISTING SHELF.
12. REMOVE EXISTING WOOD DOOR AND WOOD DOOR FRAME, REMOVE SECURITY BOOT AND STORAGE CASE FROM EXISTING DOOR PANEL AND SALVAGE FOR RE-INSTALLATION.
13. REMOVE EXISTING FLOORING AND WALL BASE.
14. REMOVE EXISTING LAY-IN CEILING ASSEMBLY COMPLETE. ALL CEILING MOUNTED COMPONENTS TO REMAIN SHALL BE REMOVED, SALVAGED, AND REINSTALLED ON NEW CEILING.
15. REMOVE EXISTING WALL COVERING.
16. REMOVE EXISTING SHELVES. SALVAGE FOR RE-INSTALLATION.
17. REMOVE AND SALVAGE EXISTING VCT FLOOR TILE.
18. REMOVE PORTION OF EXISTING GYPSUM BOARD CEILING AND FRAMING ABOVE AS REQUIRED FOR NEW WALL CONSTRUCTION.
19. SAW CUT AND REMOVE PORTION OF EXISTING CONCRETE FLOORING AS REQUIRED FOR NEW UNDERFLOOR PLUMBING WORK. COORDINATE WITH PLUMBING DRAWINGS.
20. EXISTING FLOORING AND WALL BASE TO BE REMOVED BY OTHERS.
21. EXISTING DOOR AND DOOR FRAME TO BE REMOVED BY OTHERS.

CONSTRUCTION NOTES

1. NEW DOOR AND FRAME.
2. CONCRETE FLOOR AT EXISTING FLOOR OPENING.
3. NEW SHELVING, RE: DETAIL 3/D-A601
4. INFILL EXISTING WALL OPENING WITH CMU MASONRY. TOOTH AND KEY MASONRY.
5. NEW DOOR AND DOOR FRAME. RE-INSTALL EXISTING SECURITY BOOT AND CASE.
6. SAND AND PAINT EXISTING LOCKERS (ADD ALTERNATE #1).
7. INSTALL SELF-LEVELING TO ELIMINATE EXISTING SLOPE IN FLOORING, ASSUME ENTIRE ROOM.
8. 4" CONCRETE WITH 6x6x1.4x1.4 WWR, DOWEL INTO EXISTING CONCRETE FLOOR WITH #3 BARS AT 16" O.C.
9. PAINT EXISTING PLASTER WALLS.
10. RE-INSTALL EXISTING SHELVING.
11. PAINT EXISTING PLASTER CEILING.

CEILING LEGEND

- NEW 2x4 LIGHT FIXTURE, RE: ELECTRICAL PLANS
- NEW 1x4 LIGHT FIXTURE, RE: ELECTRICAL PLANS
- 2X2 SUSPENDED ACOUSTIC CEILING - TYPE 'A'

DEMOLITION GENERAL NOTES

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
2. OWNER HAS FIRST RIGHT OF REFUSAL ON ALL MATERIAL AND EQUIPMENT BEING REMOVED.
3. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS REQUIRED OF THESE AND OTHER TRADES.
4. AT ALL DEMOLITION AREAS, PATCH AND FINISH TO MATCH EXISTING FINISHES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS ELEMENTS.
6. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL ITEMS SCHEDULED FOR REMOVAL.
7. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
8. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN.
9. REPAIR ALL WALLS, FLOORS AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES
10. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS OF THE BUILDING DURING CONSTRUCTION TO PREVENT DAMAGE, INCLUDING WEATHERPROOFING AT ALL OPENINGS.
11. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING AND DISCONNECTING ALL INCIDENTAL ITEMS.

GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION VARIES, SEE PLAN.
2. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, AND/OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE
3. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
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NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'D' ADDITION AND RENOVATIONS TO:

FLOYD ELEMENTARY SCHOOL

725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE
DEMOLITION PLAN, PARTIAL FLOOR PLAN, AND REFLECTED CEILING PLAN

SEAL	DRAWN EVA	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. D-A103
	REVIEWED MLB	DRAWING NO. D-A103
	DATE OCT 19, 2026	SHEET NO. 8 OF 24
	SCALE AS NOTED	

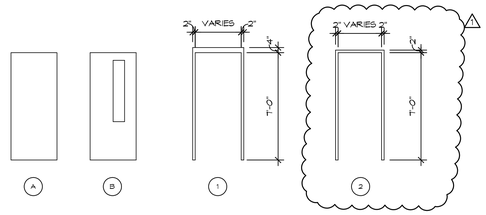
PROJECT 'D'

THA Architects Engineers - P:\Bullock Creek\26-210\2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\SD-DD\BC FLOYD D-A103 FLR
Plot date: 11/2/2026 4:06 PM

DOOR & FRAME SCHEDULE

DOOR NO.	DOOR SIZE	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	FIRE RATING (IN MINUTES)	HARDWARE	NOTES
UNIT 'A'										
A140	3'-0"XT-0"	A	WD	1	HM	4/D-A601	5/D-A601		10	
A141	(2) 3'-0"XT-0"	A	HM	1	HM	4/D-A601	5/D-A601	45	12	1
A142	3'-0"XT-0"	A	WD	1	HM	4/D-A601	5/D-A601		11.1	
UNIT 'B'										
B117	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B118	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B119	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B120	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B121	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/-DA601		09	1, 2
B122	2'-10"XT-0"	B	WD	2	HM	6/DA-601	7/D-A601		09	1, 2
B127	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B128	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B129	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B130	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B131	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B132	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B133	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B134	2'-10"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2
B135	3'-0"XT-0"	B	WD	2	HM	6/D-A601	7/D-A601		09	1, 2

NOTES:
1. NEW WOOD DOOR AND NEW HOLLOW METAL FRAME IN EXISTING WOOD FRAMED OPENING. 1
2. RE-INSTALL EXISTING SECURITY BOOT AND CASE.



ROOM FINISH SCHEDULE

ROOM NO.	ROOM TITLE	FLOOR MATERIAL	BASE MATERIAL	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING MATERIAL	CEILING HEIGHT	ACCESSORIES	NOTES
UNIT 'A'											
A140	CLOSET	F04	B01	N01	N01	N01	N01	C01	---	A02	
A141	MECH	F05	---	N01	N01	N01	N01	C01	---	A02	
A142	TEACHERS' LOUNGE	F02	B01	N01	N01	N01	N01	C02	9'-0"	A01, A03	
UNIT 'B'											
B101	RECEPTION	F03	B02	---	---	---	---	---	---		
B102	PRINCIPAL	F03	B02	---	---	---	---	---	---		
B103	CLINIC	F04	B01	---	---	---	---	---	---		
B104	CORRIDOR	F03	B02	---	---	---	---	---	---		
B105	TOILET	F04	B01	---	---	---	---	---	---		
B106	OFFICE	F03	B02	---	---	---	---	---	---		
B107	OFFICE	F03	B02	---	---	---	---	---	---		
B108	WORK ROOM	F03	B02	---	---	---	---	---	---		
B109	CLOSET	F03	B02	---	---	---	---	---	---		
B110	RTC	F03	B02	---	---	---	---	---	---		
B111	STAFF	F03	B02	---	---	---	---	---	---		
B112	TOILET	F04	B01	---	---	---	---	---	---		
B117	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B118	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B119	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B120	CLASSROOM	---	---	N02	N02	---	N02	---	---		N01
B121	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B122	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B127	CLASSROOM	---	---	N02	N02	---	N02	---	---		N01
B128	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B129	CLASSROOM	---	---	N02	N02	---	N02	---	---		N01
B130	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B131	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B132	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B133	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B134	CLASSROOM	---	---	N02	N02	N02	N02	---	---		N01
B135	BREAKROOM	---	---	N02	N02	N02	N02	---	---		N01

ROOM FINISH LEGEND

FLOOR
- F01 EXISTING TO REMAIN
- F02 NEW LVT
- F03 NEW CARPET
- F04 NEW VCT
- F05 CONCRETE FLOOR SEALER

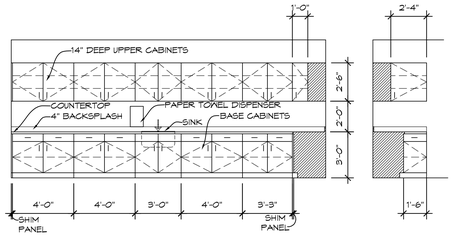
BASE
- B01 4" VINYL
- B02 CARPET BASE

WALLS
- N01 PAINT EXISTING CMU WALL
- N02 PAINT EXISTING PLASTER WALL

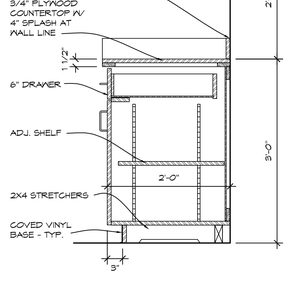
CEILING
- C01 EXISTING TO REMAIN - PAINT
- C02 2X2 SUSPENDED ACOUSTIC CEILING

ACCESSORIES
- A01 TACK BOARD
- A02 ADJUSTABLE SHELVES
- A03 CASEWORK

NOTES:
- N01 REINSTALL EXISTING SHELVING

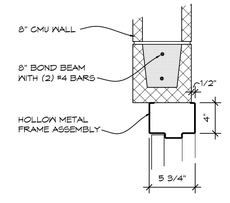


1 CABINETS ELEVATION
1/4" = 1'-0" CABELEV01

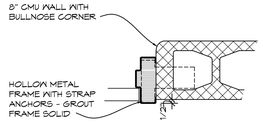


2 CABINETS DETAIL
1" = 1'-0" FLCAB01

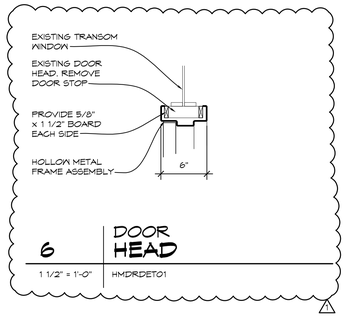
3 SHELVES DETAIL
3/4" = 1'-0" SHELF01



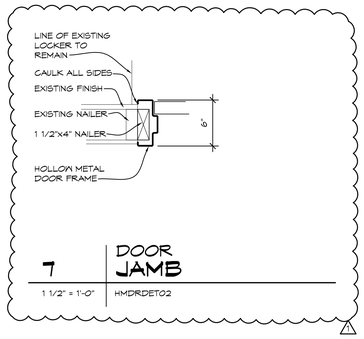
4 DOOR HEAD
1 1/2" = 1'-0" HMDRDET20



5 DOOR JAMB
1 1/2" = 1'-0" HMDRDET22



6 DOOR HEAD
1 1/2" = 1'-0" HMDRDET01



7 DOOR JAMB
1 1/2" = 1'-0" HMDRDET02

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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Ph: 810-767-5600 | THA-Flint.com

PROJECT 'D' ADDITION AND RENOVATIONS TO:

FLOYD ELEMENTARY SCHOOL

725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE
DOOR SCHEDULE, ROOM FINISH SCHEDULE, INTERIOR ELEVATIONS, AND DETAILS

SEAL	DRAWN EVA	PROJECT NO. 26-210
	CHECKED JESS	CAD FILE NO. D-A103
	REVIEWED MLB	DRAWING NO. D-A601
	DATE OCT 19, 2026	SHEET NO. 12 OF 24
	SCALE AS NOTED	

PROJECT 'D'

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\D-DIV\BC FLOYD D-A601 DE
Plot date: 11/2/2026 4:45 PM

SYMBOLS & ABBREVIATIONS LEGEND

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BFF	BELOW FINISH FLOOR
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CONDENSATE
CB	COMBINATION UNIT
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
COND	CONDENSATE
CONT	CONTINUATION
CUH	CABINET UNIT HEATER
CW	COLD WATER
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
°F	DEGREE FAHRENHEIT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FPM	FEET PER MINUTE
FT	FEET
G	GAS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HW	HOT WATER
HW (140)	HOT WATER (140 °F)
HWHR	HOT WATER HEATING RETURN
HWHS	HOT WATER HEATING SUPPLY
HWR	HOT WATER RETURN
HWR (140)	HOT WATER RETURN (140 °F)
KW	KILOWATT
L OR LAV	LAVATORY
MBH	ONE THOUSAND BTUH
MC	MECHANICAL CONTRACTOR
MIN	MINIMUM
MTD	MOUNTED
PH	PHASE
PSI	POUND PER SQUARE INCH
PVC	POLY-VINYL CHLORIDE
RA	RETURN AIR
RD	ROOF DRAIN
REF	REFER TO DRAWING
RG	RETURN GRILLE
RH	RELIEF HOOD
RTU	ROOFTOP UNIT
S	SINK
SA	SUPPLY AIR
SAN	SANITARY
SG	SUPPLY GRILLE
SP	STATIC PRESSURE
SS	SERVICE SINK
ST	STORM
UH	UNIT HEATER
UR	URINAL
UV	UNIT VENTILATOR
V	VENT OR VOLT
VA	VALVE
VTR	VENT THRU ROOF
W	WASTE OR MATT
WC	WATER CLOSET
WH	WATER HEATER
W/V	WASTE & VENT

CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER
HW (140)	DOMESTIC HOT WATER 140F DEG
HWR	DOMESTIC HOT WATER RETURN
HWR (140)	DOMESTIC HOT WATER RETURN 140F DEG
C	CONDENSATE
G	GAS
SAN	SANITARY
V	VENT
STM	STORM
HWHS	HOT WATER HEATING SUPPLY
HWHR	HOT WATER HEATING RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
	PIPE DROP
	PIPE RISE
	ARROW INDICATES DIRECTION OF FLOW
	BALL VALVE
	GATE VALVE
	UNION
	PRESSURE GAUGE W/ SHUTOFF
	STRAINER
	CHECK VALVE
	THERMOMETER W/ SHUTOFF
	THREE WAY CONTROL VALVE
	PETE'S PLUG (TEMPERATURE-PRESSURE TEST FITTING)
MV	MANUAL AIR VENT
AV	AUTOMATIC AIR VENT
	FLOW CONTROL
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	NON FREEZE WALL HYDRANT
	FLOOR CLEANOUT
T	THERMOSTAT
CO2	CARBON DIOXIDE SENSOR

10xδ	DUCT SIZE(CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
10Ø	ROUND DUCT DIAMETER SIZE
	VOLUME DAMPER IN DUCT
	DUCT DOWN
	SLOT DIFFUSER
	CEILING SUPPLY DIFFUSER
	CEILING RETURN DIFFUSER
	CEILING EXHAUST DIFFUSER
T	THERMOSTAT
	HORIZONTAL FIRE DAMPER W/ACCESS DOOR
	VERTICAL FIRE DAMPER W/ACCESS DOOR
SD	HORIZONTAL SMOKE DAMPER W/ACCESS DOOR
SD	VERTICAL SMOKE DAMPER W/ACCESS DOOR
	DIRECTION OF AIR FLOW
	HOOD EXHAUST DUCT
	HOOD SUPPLY AIR DUCT
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR RETURN DUCT UP
	RECTANGULAR EXHAUST DUCT UP
	RECTANGULAR SUPPLY DUCT DN
	RECTANGULAR RETURN DUCT DN
	RECTANGULAR EXHAUST DUCT DN
	ELBOW WITH TURNING VANES

OUTDOOR AIR VENTILATION SCHEDULE

HVAC SYSTEM	OCCUPANCY CLASSIFICATION	AREA (SQ. FT.)	MAXIMUM OCCUPANCY PER 1000 S.F.	OCCUPANT LOAD	OUTDOOR AIR REQUIRED PER PERSON (CFM)	OUTDOOR AIR FLOW RATE BREATHING ZONE (CFM)	OUTDOOR AIR RATE BREATHING ZONE (CFM)	OUTDOOR AIR RATE FOR PEOPLE ZONE (CFM)	OUTDOOR AIR REQUIRED FOR EACH SPACE (CFM)	TOTAL OUTDOOR AIR REQUIRED (CFM)	TOTAL OUTDOOR AIR PROVIDED (CFM)
UV-1 S.A. 150 CFM 20% OA 150 OA	STAFF LOUNGE A122	406	50	20	5	0.06	25	100	125	150	150
	MECHANICAL A121	207	--	--	--	0.12	25	--	25		

NOTES: 1. TOTAL OUTDOOR AIR PROVIDED IS IN COMPLIANCE W/THE REQUIRED OUTDOOR VENTILATION AIR PER TABLE 403.3.1.1 OF THE 2021 MMC.

PUMP SCHEDULE

TAG	LOCATION	B&G MODEL	TYPE	GPM	HEAD (FT.)	IMP. DIA.	HP	RPM	ELEC. V/PH	NOTES
P-1	BOILER ROOM	E-1510 2.5AC	BASE MOUNTED	265	75	5.0	10	3550	208V-3P	1,2
P-2	BOILER ROOM	E-1510 2.5AC	BASE MOUNTED	265	75	5.0	10	3550	208V-3P	1,2

NOTES: 1. HIGH EFFICIENCY NON-OVERLOADING MOTORS
2. PROVIDE WITH TRIPLE DUTY VALVE, FLEX CONNECTIONS & SUCTION DIFFUSERS

EXHAUST FAN SCHEDULE

TAG	AREA SERVED	UNIT LOCATION	GREENHECK MODEL NO.	ELEC.	CFM	"SP	FAN HP	FAN RPM	NOTES
EF-1	TEACHERS LOUNGE	ROOF	G-098-VG	120V-1P	200	.375	1/4	972	1,2,3

NOTES:
1. PROVIDE FAN WITH ROOF CURB, BACK DRAFT DAMPER AND DISCONNECT.
2. CONNECT EXHAUST FAN TO EXISTING CIRCUIT PROVIDE RELAY FOR BMS CONNECTION
3. PROVIDE SPEED CONTROLLER IN FAN

CONDENSING UNIT SCHEDULE

TAG	TRANE MODEL #	ASSOCIATED UNIT	NOMINAL COOL	VOLTAGE	MCA	MOP	NOTES:
C-1	5TTR4024	UV-27	24 MBH	208V-1P	14	20	1,2,3,4,5

NOTES:
1. COOLING CAPACITY IS BASED ON 80°F DB/67°F WB & 95°F AMBIENT.
2. PROVIDE W/ EQUIPMENT SUPPORT (SEE DETAIL).
3. ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL GFI RECEPTACLE & DISCONNECT SWITCH.
4. PIPE SIZE BASED ON MANUFACTURER RECOMMENDATIONS.
5. PROVIDE RANAL APR VALVE # FIELD INSTALL AT CONDENSING UNIT.

1

UNIT VENTILATOR SCHEDULE

TAG	TRANE MODEL #	CFM	MIN OA	MOTOR HP	HOT WATER HEAT CAPACITY					COOLING MBH				VOLTAGE	MCA	MOP	NOTES
					MBH	GPM	DEL-T	EAT	LAT	TOTAL	SENSIBLE	EAT	LAT				
UV-1	HUVC07510	750	150	1 HP	61	4	30	60	134.09	19.92	15.06	80	55/57	120V-1P	15	--	--

NOTES: RECESSED CEILING HUNG HORIZONTAL UNIT VENTILATOR, WITH HOT WATER HEATING COIL, 3-WAY VALVE, FRONT DISCHARGE DUCT COLLAR, BOTTOM RETURN GRILLE AND BACK OUTSIDE AIR CONNECTION ARRANGEMENT. END PANELS AND CABINET COLORS TO BE SELECTED DURING SHOP DRAWINGS.

UNIT TO BE PROVIDED WITH ULTRA LOW LEAKAGE OUTSIDE AIR DAMPERS, FACTORY INSTALL AND WIRED FREEZE STAT, DAMPERS, DISCHARGE AIR STAT, WIRING STRIP, FOR CONTROLLER CONNECTIONS FOR NEW HONEYWELL CONTROLLER, CONTROLS TO HAVE CAPACITY AND CONNECTION TO EXISTING HONEYWELL CONTROLS CONTROL SYSTEM.

RELIEF AIR HOOD SCHEDULE

TAG	MANUFACTURER	MODEL #	CFM	TOTAL PRESSURE	THROAT SIZE	FREE AREA	THROAT VELC	NOTES
RH-1	GREENHECK	GRSR-12	750	0.103	12x12	0.82 SF	915 FPM	1,2

NOTES:
1. PROVIDE WITH INSULATED ROOF CURB AND HOOD, RELIEF DAMPER, INSECT SCREEN.
2. PROVIDE WITH CURB ADAPTOR

INTAKE HOOD SCHEDULE

TAG	MANUFACTURER	MODEL #	CFM	TOTAL PRESSURE	THROAT SIZE	FREE AREA	THROAT VELC	NOTES
IH-1	GREENHECK	GRSI-16	750	0.041	16X16	1.45 SF	517 FPM	1,2

NOTES:
1. PROVIDE WITH INSULATED ROOF CURB AND HOOD, INSECT SCREEN.
2. PROVIDE WITH CURB ADAPTOR

GRILLE AND DIFFUSER SCHEDULE

"A" TITUS SUPPLY DIFFUSER MODEL TMSA, ADJUSTABLE AIR PATTERN, 24x24, MOUNTING TYPE 3 (LAY-IN), WHITE FINISH
(*) 12x12 FACE PANEL MOUNTED IN 24x24 PANEL

CFM	NECK SIZE
226-300	10"Ø

"B" TITUS RETURN GRILLE MODEL 50F, 1/2x1/2x1/2 ALUMINUM EGG CRATE, 20x20 NECK, PANEL MOUNTED FOR LAY-IN CEILING, WHITE FINISH, PROVIDE WITH 20x20x12 PLENUM PAINTED FLAT BLACK ON INSIDE

"C" TITUS RETURN/EXHAUST GRILLE MODEL 4FL, 45° FIXED DEFLECTION, SURFACE MOUNTED, WITH OPPOSED BLADE DAMPERS, WHITE FINISH

CFM	NECK SIZE
0-75	8x8
76-150	10x6
175-300	10x10
310-450	12x10
451-850	16x16
751-850	18x12

"D" TITUS SUPPLY GRILLE MODEL 272 RL, SURFACE MOUNTED, DOUBLE DEFLECTION, WHITE FINISH

CFM	NECK SIZE
150	8x8

PLUMBING FIXTURE SCHEDULE

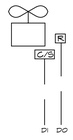
S-1
ELKAY SINGLE COMPARTMENT SINK, MODEL LR1918, STAINLESS STEEL 18 GA. SELF RIMMING, PROVIDE WITH ZURN FAUCET MODEL Z831C4-XL-1.40 GOOSENECK, RESTRICTED SWING SPOUT, CERAMIC DISC CARTRIDGES WITH AERATOR, DRAIN FITTING, TAIL PIECE, TRAP, RISERS, ASSE 1070 MIXING VALVE, ETC

SS
FLORESTONE MODEL 91, 24X24 SINK, PROVIDE W/ MR-371 SPEAKMAN FAUCET W/ VACUUM BREAKER W/ STOPS, 5' LONG HOSE, PROVIDE 24" STAINLESS STEEL HIGH PANEL AT WALL

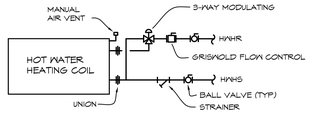
SEE PLUMBING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND LISTED EQUIVALENT MANUFACTURES. PROVIDE NEW TRAPS, STOPS, RISERS, TAIL PIECES, ETC. FOR NEW AND EXISTING FIXTURES FOR COMPLETE PROJECT.

GENERAL MECHANICAL NOTES

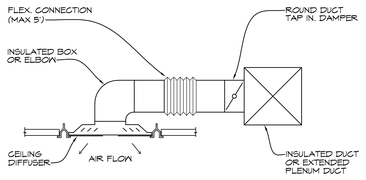
1. SEE ALL PLANS FOR FOR REQUIRED WORK.
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3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
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8. AT EXISTING EQUIPMENT WITH PNEUMATIC CONTROLS REMOVE AND INSTALL NEW CONTROL VALVES COORDINATE WITH CONTROL CONTRACTOR
9. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
10. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
11. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
12. REMOVE ALL CONTROLS NO LONGER IN OPERATION INCLUDING ABANDONED SWITCHES COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTOR
13. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER.
14. BALANCE ENTIRE HYDRONIC SYSTEM EQUIPMENT, EXISTING HVAC EQUIPMENT, NEW UNITS WITH UPDATED CONTROLS. INSTALL FLOW CONTROL AT EXISTING FINTUBE NOTED ON PLANS.
15. CONTROL CONTRACTOR TO COORDINATE WORK WITH BALANCING CONTRACTOR
16. SCOPE & TRACE SANITARY LINE AT EXISTING BOILER ROOM PRIOR TO FLOOR CUTTING (SEE NOTE ON PLANS)



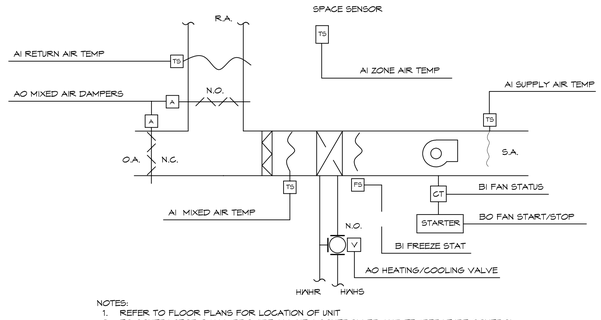
EXHAUST FAN
CONTROL DIAGRAM
NO SCALE



TYPICAL UV
COIL PIPING DETAIL
NO SCALE

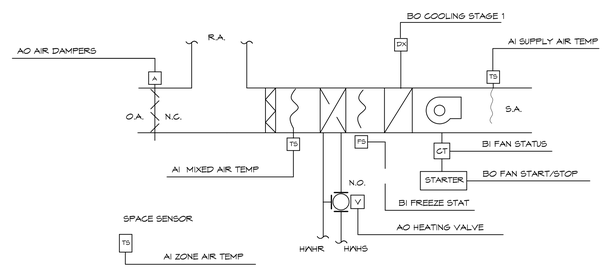


SUPPLY AIR DIFFUSER
DETAIL
NO SCALE



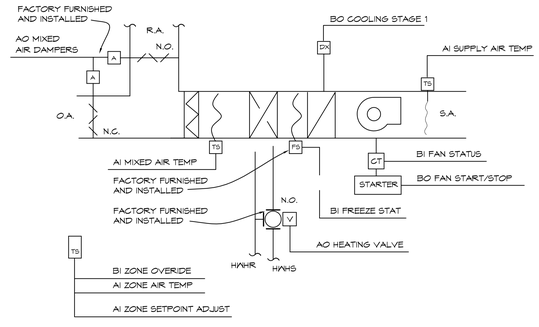
NOTES:
1. REFER TO FLOOR PLANS FOR LOCATION OF UNIT
3. TC CONTRACTOR SHALL PROVIDE ALL NEW CONTROLLER AND TEMPERATURE CONTROL DEVICES AND SAFETIES.
4. TC CONTRACTOR SHALL PROVIDE NEW 3-WAY CONTROL VALVE FOR INSTALLATION BY MECHANICAL CONTRACTOR
5. CONNECT CONTROLS TO FIRE ALARM SYSTEM CUT-OUT TO MOTOR STARTER CONTROL CIRCUIT
6. INSTALL VANDAL PROOF DDC SPACE SENSOR
7. REMOVE ALL PNEUMATIC CONTROLS

EXISTING AHU
CONTROL DIAGRAM
NO SCALE



NOTES:
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3. TC CONTRACTOR SHALL PROVIDE ALL NEW CONTROLLER AND TEMPERATURE CONTROL DEVICES AND SAFETIES.
4. TC CONTRACTOR SHALL PROVIDE NEW 3-WAY CONTROL VALVE FOR INSTALLATION BY MECHANICAL CONTRACTOR
5. PROVIDE AND INSTALL NEW OUTSIDE AIR DAMPERS AND ACTUATOR.
6. INSTALL NEW DDC SPACE SENSOR
7. REMOVE ALL PNEUMATIC CONTROLS

EXISTING BLOWER COIL
CONTROL DIAGRAM
NO SCALE



NOTES:
1. REFER TO FLOOR PLANS FOR LOCATION OF UNITS
2. CONTROL VALVE, FREEZE STAT AND MIXED AIR DAMPER OPERATOR(S) FURNISHED AND INSTALLED BY UNIT MANUFACTURER AT NEW UNIT. AT EXISTING UNITS CONTROL MANUFACTURE TO PROVIDE AND INSTALL NEW DAMPER ACTUATORS, FREEZE STATS, SENIORS, ETC FOR NEW DDC CONTROLS AND REMOVE EXISTING PNEUMATIC CONTROLS.
3. TC CONTRACTOR SHALL PROVIDE CONTROLLER AND TEMPERATURE CONTROL DEVICES
4. TC CONTRACTOR SHALL PROVIDE INTERLOCK WIRING BETWEEN INDOOR AND OUTDOOR UNITS
5. REMOVE ALL PNEUMATIC CONTROLS

UNIT VENTILATOR DX COOLING
CONTROL DIAGRAM
NO SCALE

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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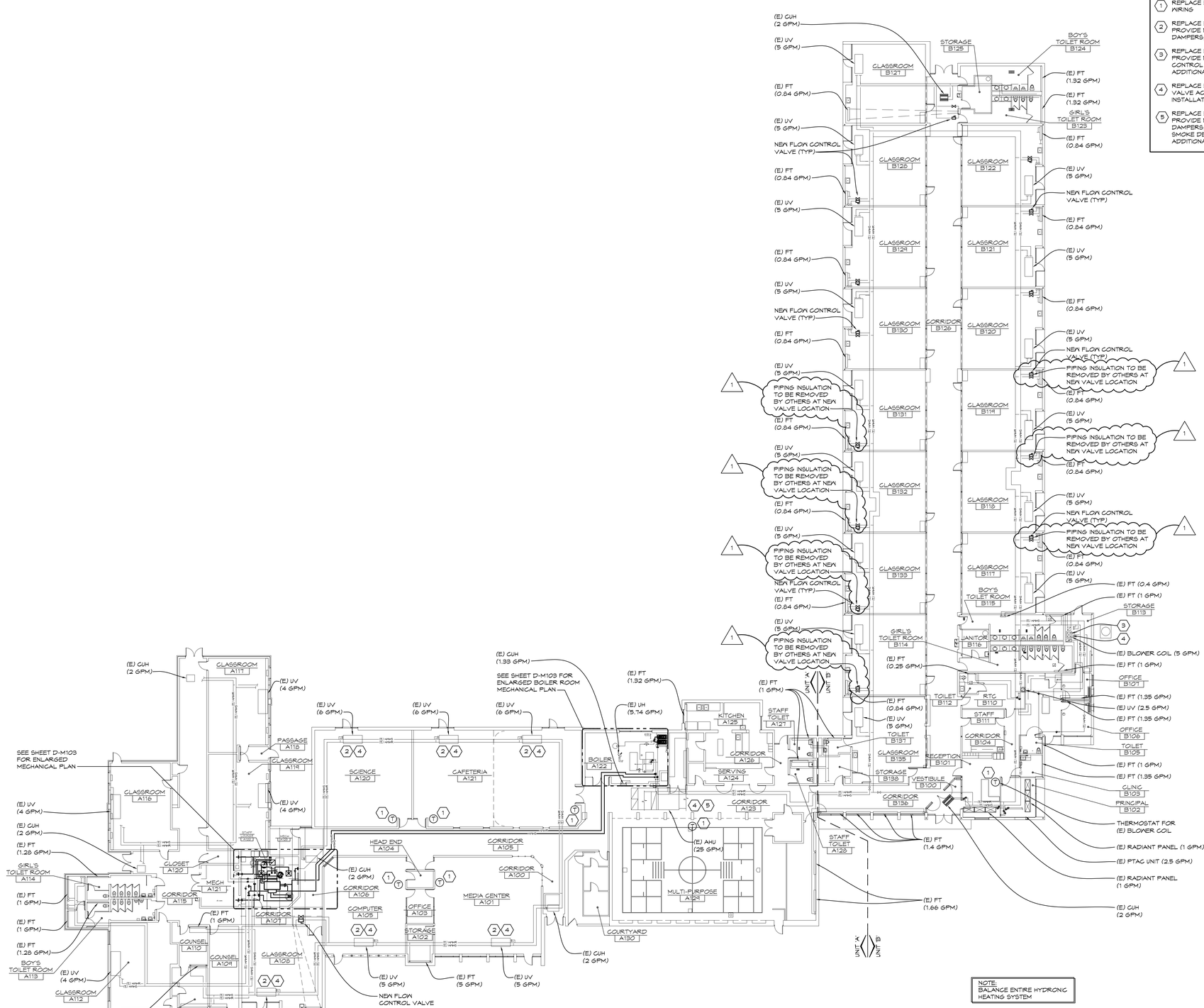
PROJECT 'D' ADDITION AND RENOVATIONS TO:
FLOYD ELEMENTARY SCHOOL
725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE
MECHANICAL SCHEDULES

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. D-M001
	REVIEWED MLB	DRAWING NO. D-M001
	DATE OCT 19, 2026	SHEET NO. 13 OF 24
	SCALE AS NOTED	

PROJECT 'D'

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC FLOYD-D-M001-AU
Plot date: 11/2/2026 12:07 PM



COMPOSITE MECHANICAL FLOOR PLAN

KEYED CONTROLS NOTES

1. REPLACE EXISTING THERMOSTAT WITH NEW THERMOSTAT & WIRING
2. REPLACE EXISTING CONTROLS AT UNIT VENTILATOR. PROVIDE NEW CONTROLLER, WIRING, ACTUATORS FOR DAMPERS, CONTROL VALVE, ETC.
3. REPLACE EXISTING CONTROLS AT BLOWER COIL UNIT. PROVIDE NEW CONTROLLER, WIRING, ACTUATORS FOR CONTROL VALVE, SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS
4. REPLACE EXISTING CONTROL VALVE & CONTROL VALVE ACTUATORS, COORDINATE REMOVAL AND INSTALLATION OF NEW CONTROL VALVES.
5. REPLACE EXISTING CONTROLS AT AIR HANDLING UNIT. PROVIDE NEW CONTROLLER, WIRING, ACTUATORS FOR DAMPERS, CONTROL VALVE, INCLUDING CONNECTIONS TO SMOKE DETECTORS, SEE CONTROL DIAGRAM FOR ADDITIONAL REQUIREMENTS

GENERAL MECHANICAL NOTES

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PROJECT 'D'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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Ph: 810-767-5600 | THA-Flint.com

PROJECT 'D' ADDITION AND RENOVATIONS TO:

FLOYD ELEMENTARY SCHOOL

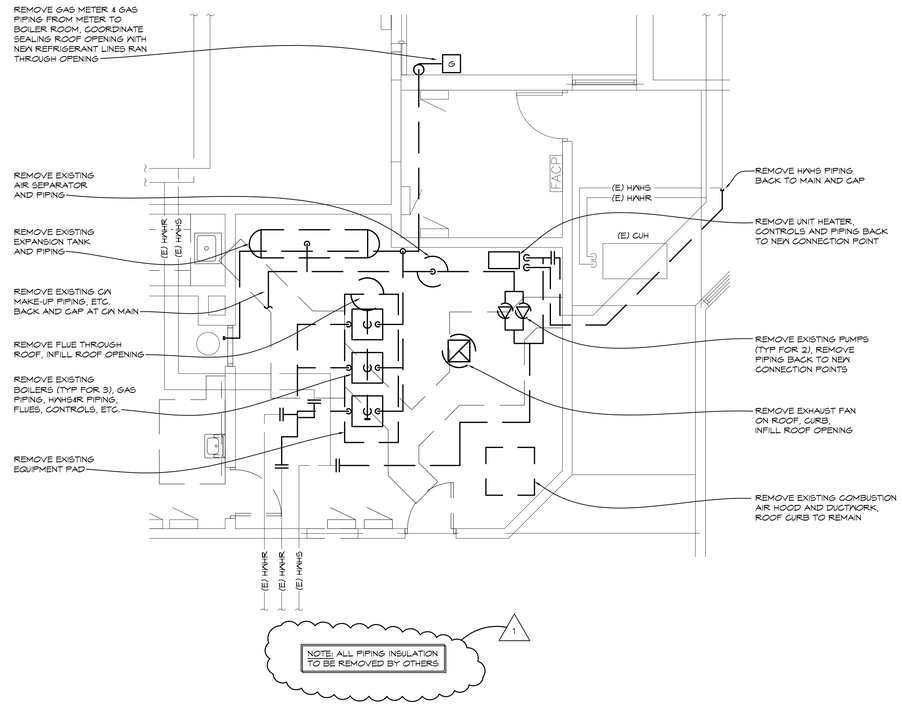
725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE

COMPOSITE MECHANICAL FLOOR PLAN

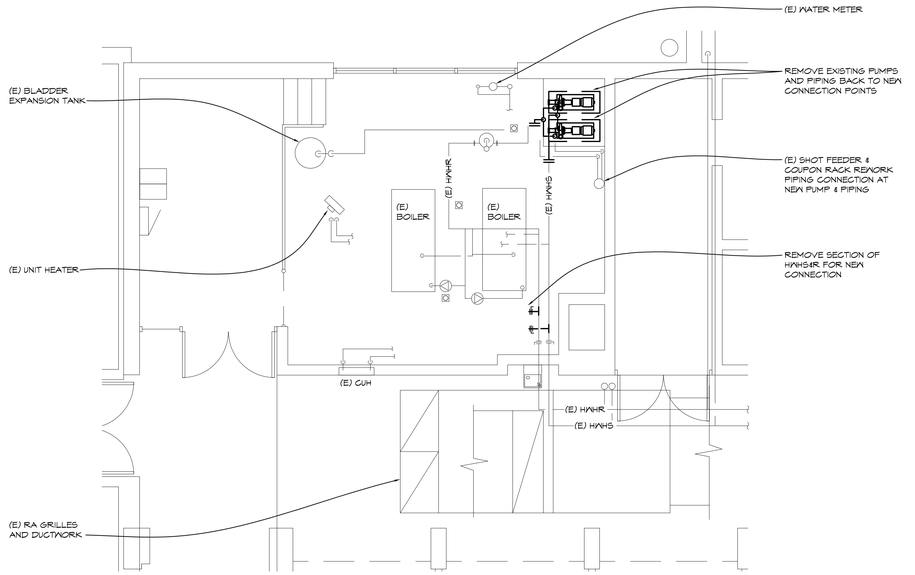
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	CHECKED KLS	CAD FILE NO. D-M101
	REVIEWED MLB	DRAWING NO. D-M101
	DATE OCT 14, 2026	SHEET NO. 14 OF 24
	SCALE AS NOTED	

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Plot date: 11/2/2026 12:09 PM



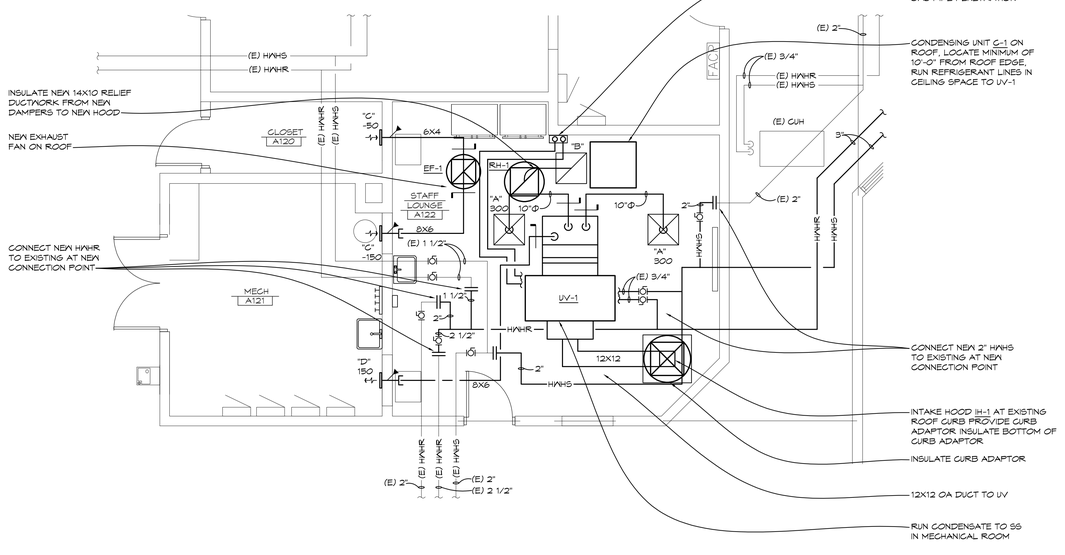
NORTH
1/4" = 1'-0"

ENLARGED WEST BOILER ROOM
MECHANICAL DEMOLITION PLAN



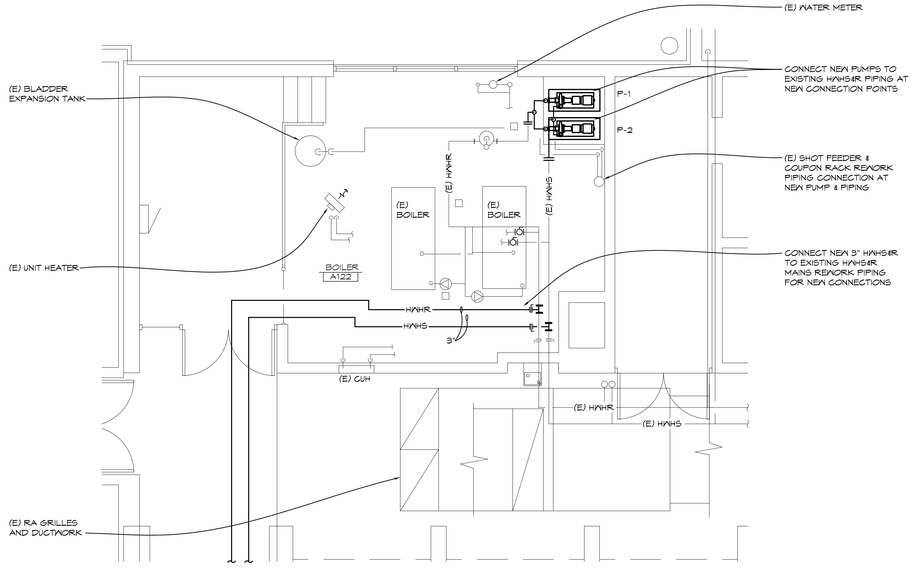
NORTH
1/4" = 1'-0"

ENLARGED EAST BOILER ROOM
MECHANICAL DEMOLITION PLAN



NORTH
1/4" = 1'-0"

ENLARGED STAFF LOUNGE
MECHANICAL FLOOR PLAN



NORTH
1/4" = 1'-0"

ENLARGED EAST BOILER ROOM
MECHANICAL FLOOR PLAN

GENERAL MECHANICAL NOTES

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PROJECT 'D'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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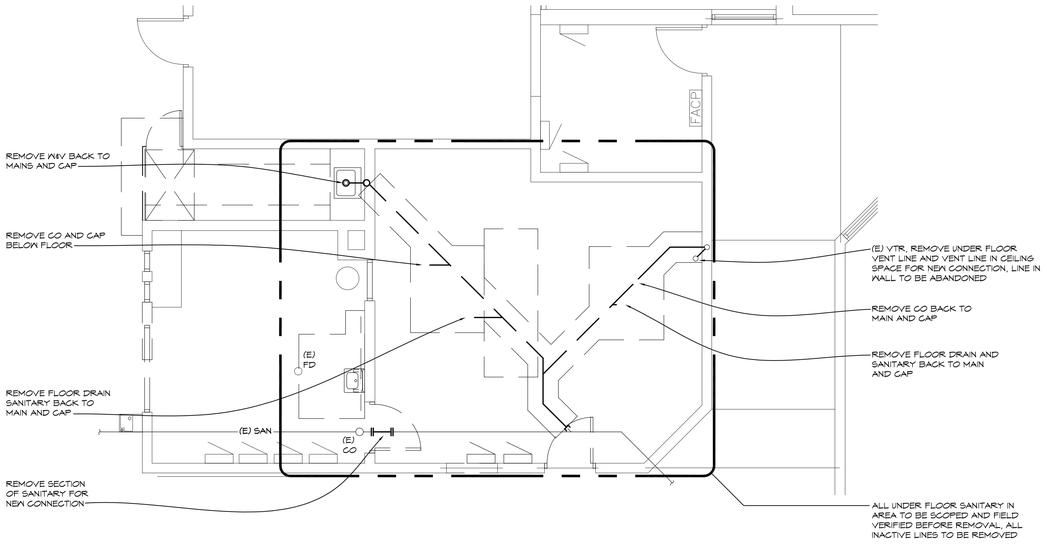
725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE

ENLARGED MECHANICAL DEMOLITION AND FLOOR PLANS

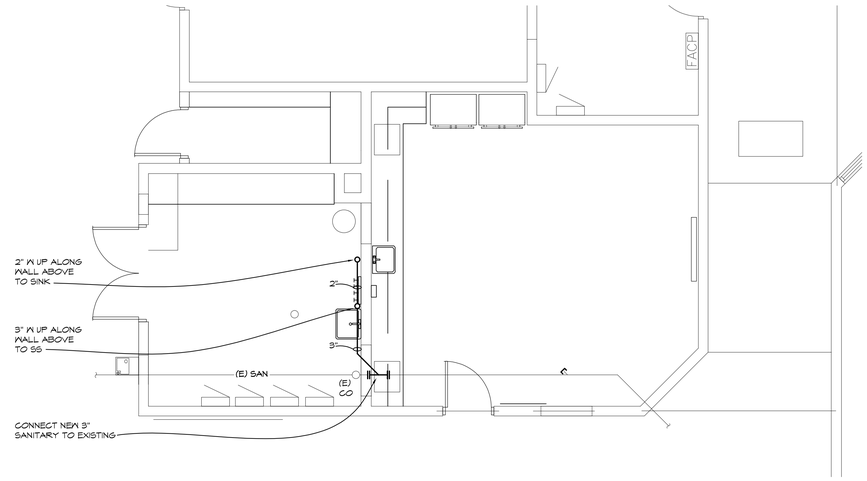
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	CHECKED KLS	CAD FILE NO. D-M103
	REVIEWED MLB	DRAWING NO. D-M103
	DATE OCT 19, 2026	SHEET NO. 16 OF 24
	SCALE AS NOTED	

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Plot date: 11/2/2026 12:09 PM



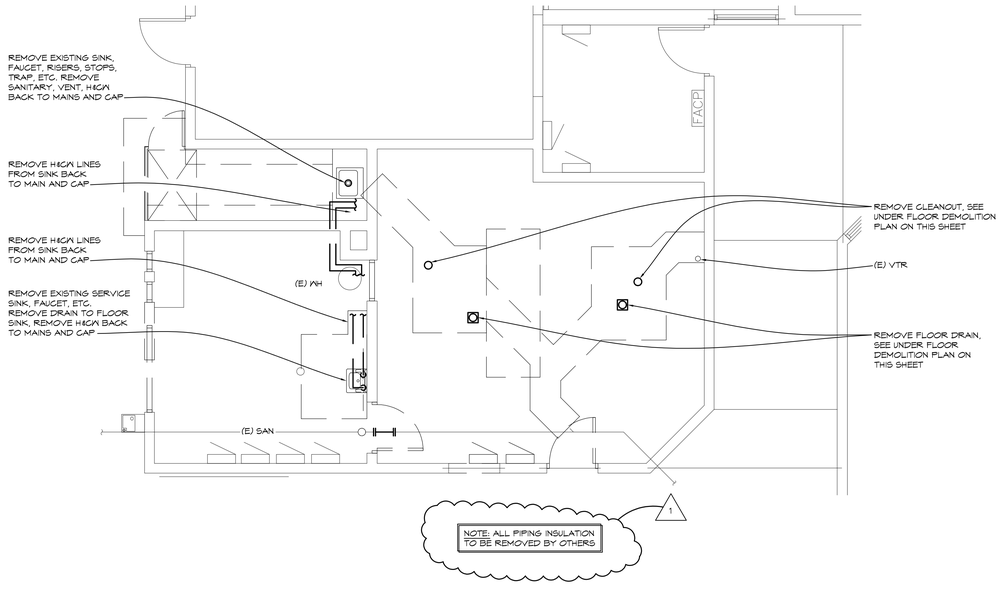
NORTH
1/4" = 1'-0"

ENLARGED STAFF LOUNGE
UNDER FLOOR PLUMBING DEMOLITION PLAN



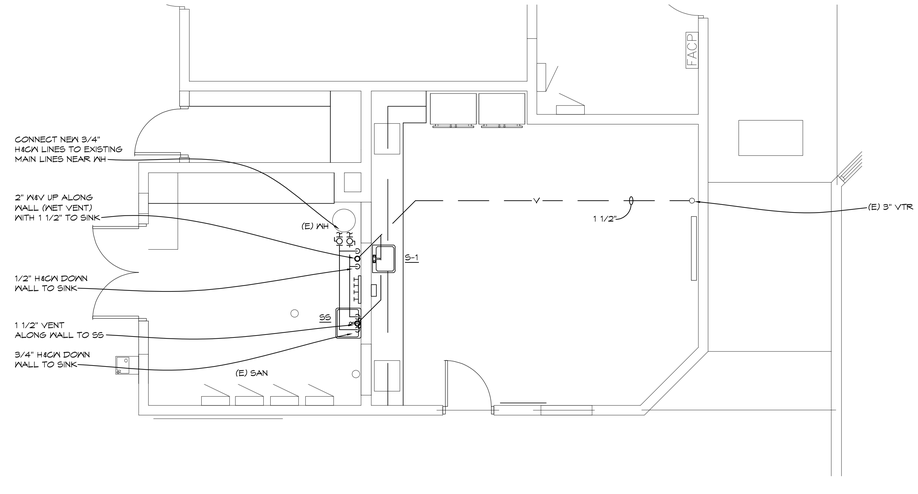
NORTH
1/4" = 1'-0"

ENLARGED STAFF LOUNGE
UNDER FLOOR PLUMBING PLAN



NORTH
1/4" = 1'-0"

ENLARGED STAFF LOUNGE
ABOVE FLOOR PLUMBING DEMOLITION PLAN



NORTH
1/4" = 1'-0"

ENLARGED STAFF LOUNGE
UNDER FLOOR PLUMBING PLAN

PLUMBING GENERAL NOTES

1. DIMENSIONS GIVEN ON DRAWINGS ARE FOR GUIDANCE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
2. FIELD VERIFY ALL EXISTING CONDITIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK
3. OWNER HAS FIRST RIGHT REFUSAL OF ANY MATERIALS AND EQUIPMENT BEING REMOVED
4. DASHED LINES INDICATE ELEMENTS TO BE REMOVED
5. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK, ANY NECESSARY TEMPORARY SHORING/ BRACING OF ELEMENTS AS REQUIRED AND REMOVAL OF ALL DEMOLISHED MATERIALS
6. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED; HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR SHALL REMOVE THE MATERIALS AS REQUIRED.
7. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER
8. LEAVE NO DEAD LEG PIPING AT DOMESTIC WATER DEMOLITION REMOVE LINES BACK TO ACTIVE MAIN OR BRANCH. CAP AT ACTIVE LINE WITHIN 1-1/2 TIMES THE WIDTH OF PLUMBING LINE

PROJECT 'D'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'D' ADDITION AND RENOVATIONS TO:
FLOYD ELEMENTARY SCHOOL
725 SOUTH EIGHT MILE ROAD
MIDLAND, MI

DRAWING TITLE
ENLARGED PLUMBING FLOOR PLANS

SEAL	DRAWN CJV/KLB	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. D-P101
	REVIEWED MLB	DRAWING NO. D-P101
	DATE OCT 19, 2026	SHEET NO. 17 OF 24
	SCALE AS NOTED	

THA Architects Engineers • P:\Bullock Creek\26-210 2027 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\DC FLOYD\D-P101.vtAD
Plot date: 11/2/2026 12:10 PM

STANDARD ABBREVIATIONS

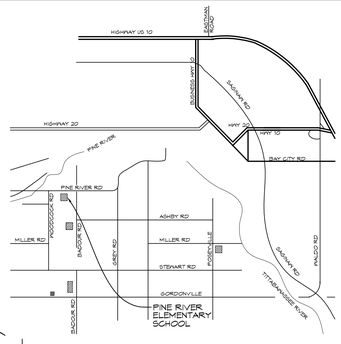
@	at	KO	knockout
A/C	air conditioning		
ACOUST	acoustical	LAM	laminate
AD	adjustable	LAV	lavatory
AFF	above finish floor	LH	left hand
ALT	alternate	LL	live load
ALUM	aluminum	LLH	long leg horizontal
ANCH	anchor, anchorage	LLV	long leg vertical
ARCH	architect/architectural	LTWT	light weight
BD	board		
BIT	bituminous	MB	markerboard
BLDG	building	MAS	masonry
BLK	block	MAX	maximum
BLKG	blocking	MECH	mechanic/mechanical
BM	bench mark	MET	metal
BOTT	bottom	MH	manhole
BRG	bearing	MIN	minimum
BSMT	basement	MISC	miscellaneous
		MO	masonry opening
C/C	center to center	MCJ	masonry control joint
CAB	cabinet	MT	metal threshold
CB	chalkboard/catch basin	MULL	mullion
CEM	cement		
CER	ceramic	NIC	not in contract
CF	cubic foot	NO	number
CHWR	chilled water return	NOM	nominal
CHWS	chilled water supply	NRC	noise reduction coefficient
CI	cast iron	NTS	not to scale
CJ	control joint		
CLG	ceiling	O/O	out to out
CMU	concrete masonry unit	OA	overall
CO	clean out	OC	on center
COL	column	OD	outside diameter
CONC	concrete	OPG	opening
CONST	construction	OPP	opposite
CONT	continuous/continuing	PCF	pounds per cubic foot
CONTR	contract/contractor	PLAS	plaster
CONV	convector	±	plus or minus
CRS	course(s)	PLF	pounds per lineal foot
CT	ceramic tile	PSF	pounds per square foot
CUH	cabinet unit ventilator	PSI	pounds per square inch
CW	domestic cold water	PART	partition
CY	cubic yard	PVC	polyvinyl chloride
		PMT	pavement
°	degree		
DET	detail		
DF	drinking fountain	R	riser/radius
DIAG	diagonal	RA	return air
DIA or Ø	diameter	RD	roof drain
DIM	dimension	REF.	reference
DIV	division	REF	refrigerator
DP	dampproofing	REINF	reinforce(d)/reinforcing
DS	downspout	RES	resilient
DWG	drawing	REV	revision(s)/revised
		RH	right hand
		RM	room
EA	each	RO	rough opening
EIFS	exterior insulation finish system (synthetic plaster)	ROW	right of way
		RS	roof sump
ELEC	electric/electrical	RWC	rainwater conductor
EQ	equal		
EQUIP	equipment	SAN	sanitary
EWC	electric water cooler	SD	storm drain
EXIST	existing	SECT	section
EXH	exhaust	SHT	sheet
EXT	exterior	SIM	similar
		SPEC	specification(s)
FA	fire alarm	SQ	square
FAI	fresh air intake	SS	service sink
FD	floor drain	SST	stainless steel
FE	fire extinguisher	STL	steel
FEC	fire extinguisher cabinet	STD	standard
FIN	finish(ed)	SUSP	suspended
FL	floor(ing)	SYM	symmetry/symmetrical
FOUND	foundation		
FTR	fin tube radiation	T&G	tongue/groove
FTG	footing	T	tread
		TB	tackboard
G	gas	TEL	telephone
GA	gage/gauge	TERR	terrazzo
GC	general contractor	THR	threshold
GI	galvanized iron	TV	television
GL	glass/glazing	TYP	typical
GST	glazed structural tile		
GALV	galvanized	UH	unit heater
		UR	urinal
HB	hose bibb	UV	unit ventilator
HDWR	hardware		
HM	hollow metal	V	vent
HORIZ	horizontal	VERT	vertical
HGT	height		
HTG	heating	W	width/wide
HVAC	heating/ventilating/air conditioning	W/	with
HW	domestic hot water	WC	water closet
HWR	hot water heating return	WD	wood
HWS	hot water heating supply	WH	water heater
HWR	domestic hot water return	WI	wrought iron
		W/W	wall to wall
ID	inside dimension	WWR	welded wire reinforcement
INT	interior		
INV	invert		

HATCHING PATTERN KEY

BRICK · CONC BLOCK · RIGID INSUL · BATT INSUL · ACOUST TILE

CONCRETE · ASPHALT · METAL · FINISH WOOD · GYP BOARD

EARTH · SAND · GRAVEL · LUMBER · PLYWOOD



NORTH

NO SCALE

LOCATION MAP

SYMBOLS KEY

NORTH — NORTH ARROW

100'-0" — EXISTING ELEVATION POINT

100'-0" — NEW ELEVATION POINT

ELEVATION TARGET

A — COLUMN NUMBER — COLUMN CENTERLINE

1 / A1 — DETAIL NUMBER / SHEET NUMBER — BUILDING SECTION

1 / A1 — DETAIL NUMBER / SHEET NUMBER — WALL SECTION

1-A1 — DET NUM - SHT NUM — DETAIL BUBBLE

NORKROOM 101 — ROOM NAME / ROOM NUMBER — ROOM NUMBER

100 — DOOR NUMBER

100 — WINDOW NUMBER

1 / A101 — ELEVATION NUMBER / SHEET NUMBER — INTERIOR ELEVATION

001 — DEMOLITION NOTE

DEVELOPMENT DATA

APPLICABLE CODES & ORDINANCES
2021 MICHIGAN BUILDING CODE
2021 MICHIGAN REHABILITATION CODE - LEVEL 2
2021 MICHIGAN MECHANICAL CODE
2021 MICHIGAN ENERGY CODE
ASHRAE 90.1 2019
2023 NATIONAL ELECTRICAL CODE (NEC)
NFPA 101 LIFE SAFETY CODE 2012 AS ADOPTED BY MICHIGAN BUREAU OF FIRE SAFETY
ICC A117.1-2009

BUILDING USE
EXISTING: E, EDUCATION

BUILDING CONSTRUCTION TYPE
EXISTING BUILDING TYPE II-B (0,0,0) NON-COMBUSTIBLE
EXISTING CANOPY TYPE III-B (0,0,0) COMBUSTIBLE

BUILDING AREA

AREA 'A' ALLOWABLE:

A= 14,500 + (14,500 x.75)(NON SPRIKLERED) = 25,375 SF

EXISTING AREA 'A' = 19,231 SF

AREA 'B' ALLOWABLE :

A= 14,500 + (14,500 x.75)(NON SRINKLERED) = 25,375 SF

EXISTING AREA 'B' = 8,907 SF

AREA 'C' ALOWABLE:

A= 14,500 + (14,500 x.75)(NON SRINKLERED) = 25,375 SF

TOTAL AREA 'C' = 2,193 SF

OCCUPANCY COUNT

EXISTING STUDENTS = 493
EXISTING STAFF = 20
NEW STUDENTS (TABLE 1004.5 MBC) = 74
NEW STAFF = 2

TOTAL OCCUPANCY = 589

PLUMBING FIXTURE COUNT

MALE PLUMBING FIXTURES REQUIRED:
(295/50) = 6 WC AND 6 LAVS
FEMALE PLUMBING FIXTURES REQUIRED:
(295/50) = 6 WC AND 6 LAVS

MALE EXISTING PLUMBING FIXTURES:
11WC AND 5 LAVS

FEMALE EXISTING PLUMBING FIXTURES:
9 WC AND 5 LAVS

UNISEX PLUMBING FIXTURES:
2 WC AND 2 LAVS

DRINKING FOUNTAIN REQUIRED (589/100) = 6 D.F.

EXISTING DRINKING FOUNTAINS = 5 D.F.

DRINKING FOUNTAIN REMOVAL = 1

NEW DRINKING FOUNTAIN INSTALLATION = 2

NEW DRINKING FOUNTAIN TOTAL = 6

BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT #26-210

1420 SOUTH BADOUR ROAD MIDLAND MI 48640

PROJECT 'E'
ADDITION AND RENOVATIONS TO:
PINE RIVER ELEMENTARY SCHOOL

1894 PINE RIVER ROAD MIDLAND MI 48640

INDEX OF DRAWINGS

E-G001 TITLE SHEET

E-C100 SITE SURVEY
E-C101 DEMOLITION SITE PLAN
E-C102 SITE DEVELOPMENT PLAN
E-C103 SITE GRADING AND UTILITIES PLAN
E-C104 SOIL EROSION AND SEDIMENTATION CONTROL PLAN
E-C105 SOIL MAP INFORMATION
E-C106 TAX MAP INFORMATION

E-S001 STRUCTURAL NOTES
E-S002 SPECIAL INSPECTIONS
E-S003 TYPICAL DETAILS
E-S100 PLANS AND SECTIONS
E-S300 SECTION DETAILS

E-A100 COMPOSITE DEMOLITION PLAN AND COMPOSITE FLOOR PLAN
E-A101 DEMOLITION PLANS, FLOOR PLAN, AND REFLECTED CEILING PLAN
E-A102 DEMOLITION PLANS, SECTIONS, AND DETAILS
E-A103 FOUNDATION PLAN, FLOOR PLAN, RCP, ROOF PLAN

E-A201 ELEVATIONS AND BUILDING SECTIONS

E-A301 WALL SECTIONS
E-A302 WALL SECTIONS

E-A501 DETAILS

E-A601 SCHEDULES

E-M001 MECHANICAL SCHEDULES
E-M101 MECHANICAL COMPOSITE FLOOR PLANS
E-M102 ENLARGED MECHANICAL FLOOR PLAN
E-M103 ENLARGED KITCHEN MECHANICAL PLANS AND ROOF PLANS

E-P101 ENLARGED PLUMBING FLOOR PLANS

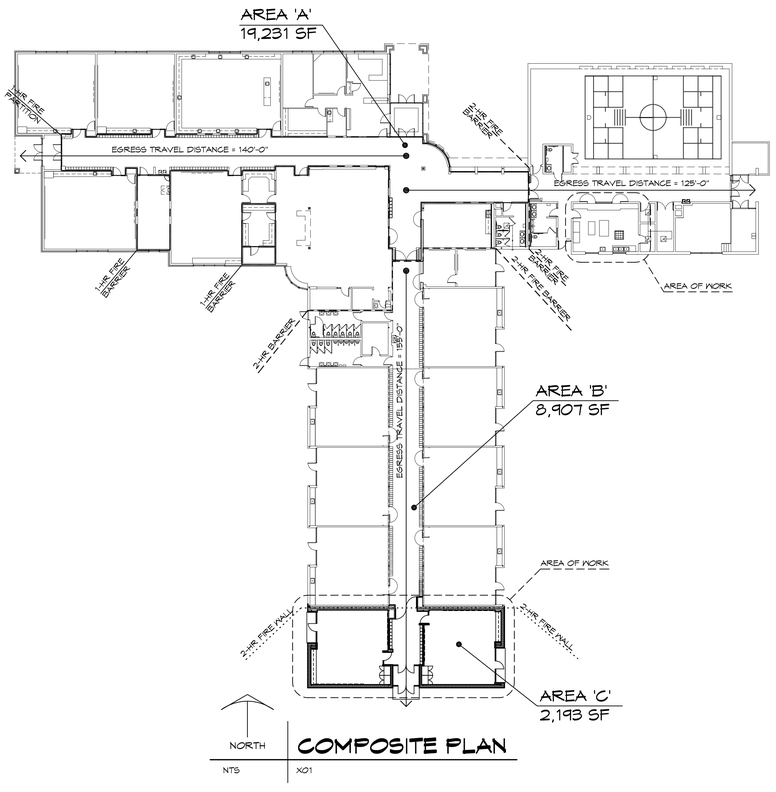
E-E000 ELECTRICAL COVER SHEET
E-E101 ELECTRICAL DEMOLITION PLANS
E-E102 ELECTRICAL NEW PLANS
E-E601 ELECTRICAL SCHEDULES AND DETAILS

FIRE SEPARATION LEGEND

1-HR FIRE PARTITION
1-HR FIRE BARRIER
2-HR FIRE BARRIER
2-HR FIRE WALL

FIRE SEPARATION NOTES

1. ALL PENETRATIONS THROUGH EXISTING 1 HR RATED FIRE SEPARATIONS ARE TO MAINTAIN 1-HOUR RATING.
2. ALL NEW PENETRATIONS OF EXISTING JANITORS' CLOSETS, EXISTING STORAGE ROOMS, AND EXISTING MECHANICAL ROOMS MUST PROVIDE 1-HOUR RATING.
3. ALL NEW PENETRATIONS OF EXISTING 2-HOUR FIRE SEPARATION MUST PROVIDE FOR 2-HOUR RATING.



NORTH

NTS

X01

COMPOSITE PLAN

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Wolgast Corporation
Executive Offices
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4835 Towne Centre Road
Suite 203
Saginaw, MI 48604
Phone : (989) 790-9120
Fax : (989) 790-9063
www.wolgastconstruction.com

BULLOCK CREEK SCHOOL DISTRICT
2023 BOND- SERIES 2 2027 IMPROVEMENTS
THA PROJECT# 26-210
1420 SOUTH BADOUR ROAD MIDLAND MI 48640

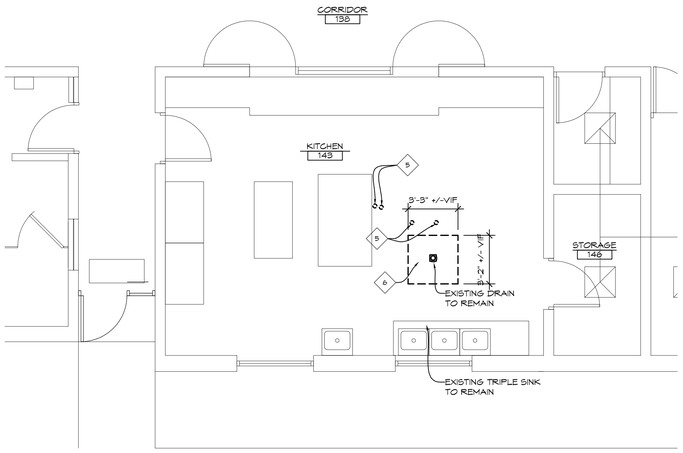
PROJECT 'E'
ADDITION AND RENOVATIONS TO:
PINE RIVER ELEMENTARY SCHOOL
1894 PINE RIVER ROAD MIDLAND MI 48640

PROJECT 'E'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

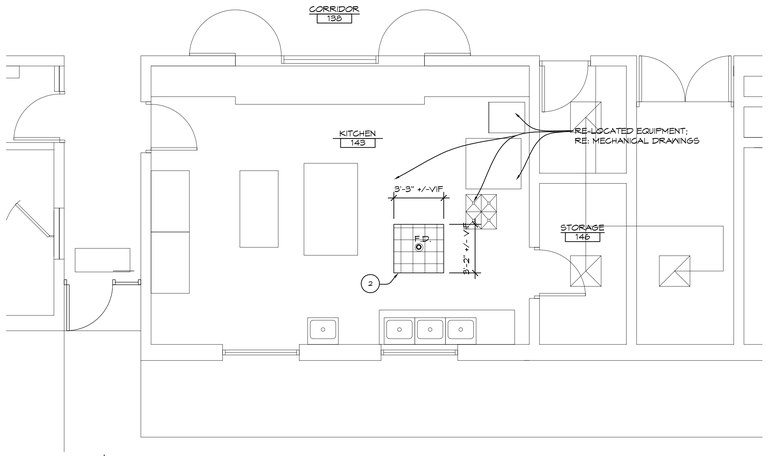
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	REVIEWED MLB	DRAWING NO. E-G001	
	DATE OCT 19, 2026	SHEET NO. 1 OF 31	
	SCALE N.T.S.		

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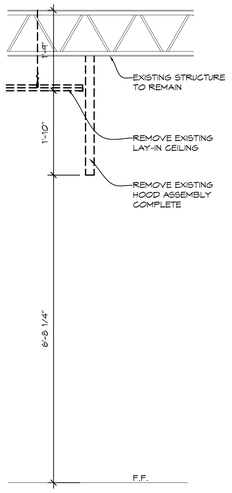
1 DEMOLITION FLOOR PLAN

1/4" = 1'-0" | X01



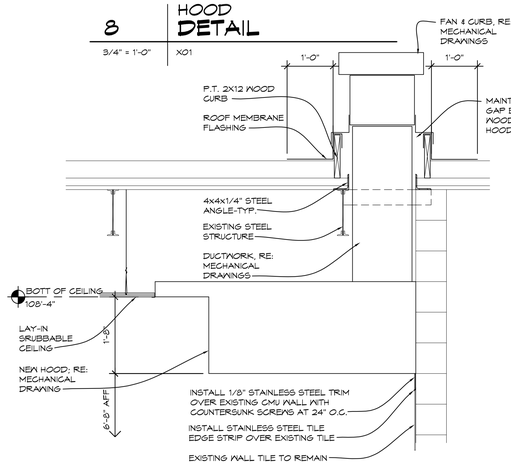
3 FLOOR PLAN

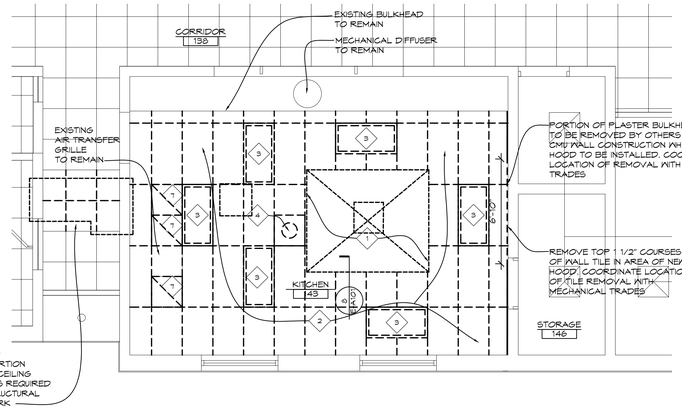
1/4" = 1'-0" | X01



8 HOOD DETAIL

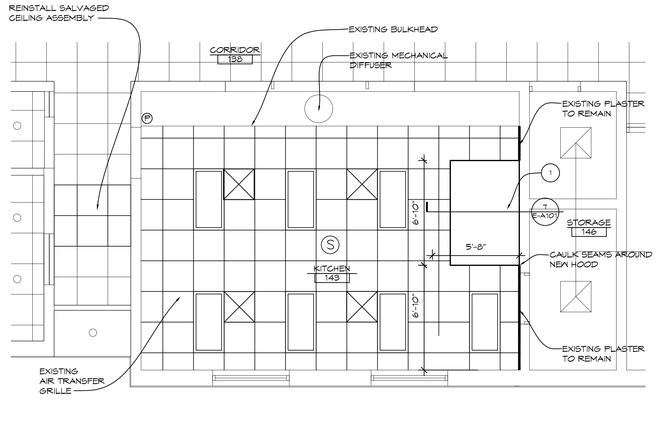
3/4" = 1'-0" | X01





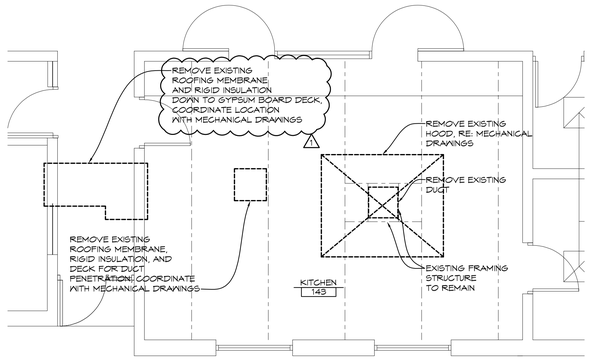
2 DEMOLITION REFLECTED CEILING PLAN

1/4" = 1'-0" | X01



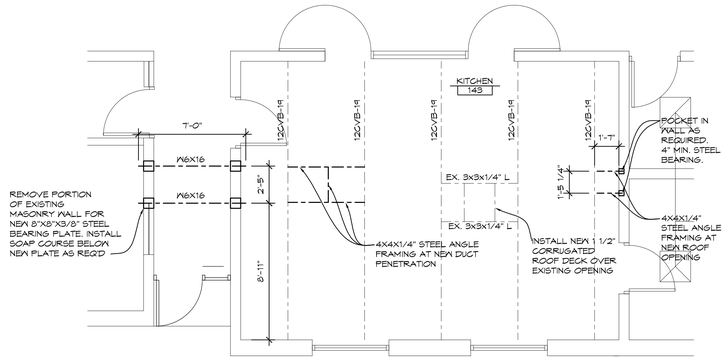
4 PROPOSED REFLECTED CEILING PLAN

1/4" = 1'-0" | X01



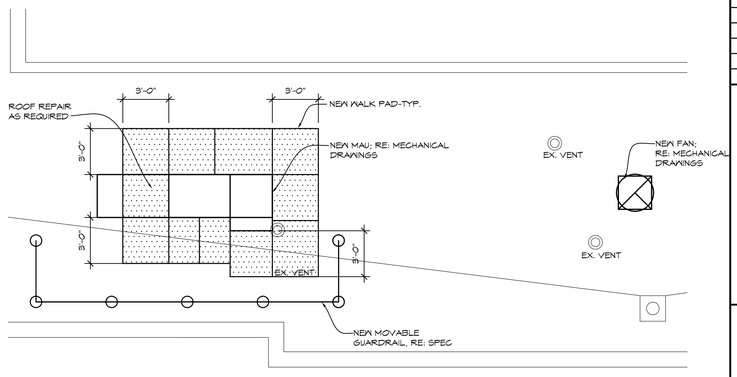
5 DEMOLITION ROOF PLAN

1/4" = 1'-0" | X01



6 PROPOSED STRUCTURAL FRAMING PLAN

1/4" = 1'-0" | X01



9 PARTIAL ROOF PLAN

1/4" = 1'-0" | X01

GENERAL NOTES

1. DIMENSIONS GIVEN ON DRAWINGS ARE FOR GUIDANCE ONLY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS
2. FIELD VERIFY ALL EXISTING CONDITIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK
3. OWNER HAS FIRST RIGHT REFUSAL OF ANY MATERIALS AND EQUIPMENT BEING REMOVED
4. DASHED LINES INDICATE ELEMENTS TO BE REMOVED
5. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK, ANY NECESSARY TEMPORARY SHORING/ BRACING OF ELEMENTS AS REQUIRED AND REMOVAL OF ALL DEMOLISHED MATERIALS
6. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED; HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR SHALL REMOVE THE MATERIALS AS REQUIRED.

◇ DEMOLITION NOTES

1. REMOVE EXISTING EXHAUST HOOD AND TURN OVER TO OWNER. RE: MECHANICAL DRAWINGS.
2. REMOVE EXISTING LAY-IN CEILING ASSEMBLY COMPLETE. ALL CEILING MOUNTED COMPONENTS TO REMAIN SHALL BE REMOVED, SALVAGED, AND REINSTALLED ON NEW CEILING.
3. REMOVE EXISTING LIGHT FIXTURE.
4. REMOVE EXISTING SPEAKER.
5. REMOVE EXISTING PIPES. CAP AND PATCH AT FLOOR, RE: MECHANICAL DRAWINGS
6. REMOVE EXISTING RECESSED FLOOR TILE.
7. REMOVE EXISTING AIR TRANSFER GRILLE, RE: MECHANICAL DRAWINGS.

○ CONSTRUCTION NOTES

1. EXHAUST HOOD, RE: MECHANICAL DRAWINGS.
2. INFILL EXISTING RECESSED FLOOR AREA, PITCH TO EXISTING FLOOR DRAIN , AND INSTALL NEW QUARRY TILE. ALIGN JOINTS TO EXISTING TILE.

CEILING LEGEND

- 2X2 LAY-IN CEILING GRID TYPE 'B' (SCRUBBABLE)
- 2X4 LIGHT FIXTURE
- (S) SPEAKER (CONNECT TO EXISTING PA SYSTEM)
- EXISTING AIR TRANSFER GRILLE

PROJECT 'E'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'E' ADDITION AND RENOVATIONS TO:

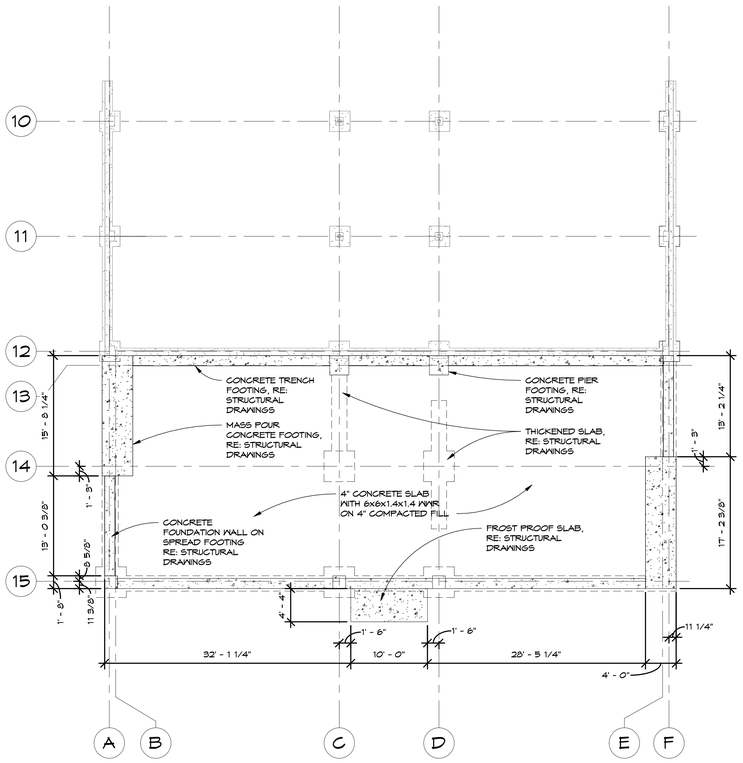
PINE RIVER ELEMENTARY SCHOOL

1894 E PINE RIVER RD.
MIDLAND, MI 48640

DRAWING TITLE
DEMOLITION PLANS, FLOOR PLAN, AND REFLECTED CEILING PLAN

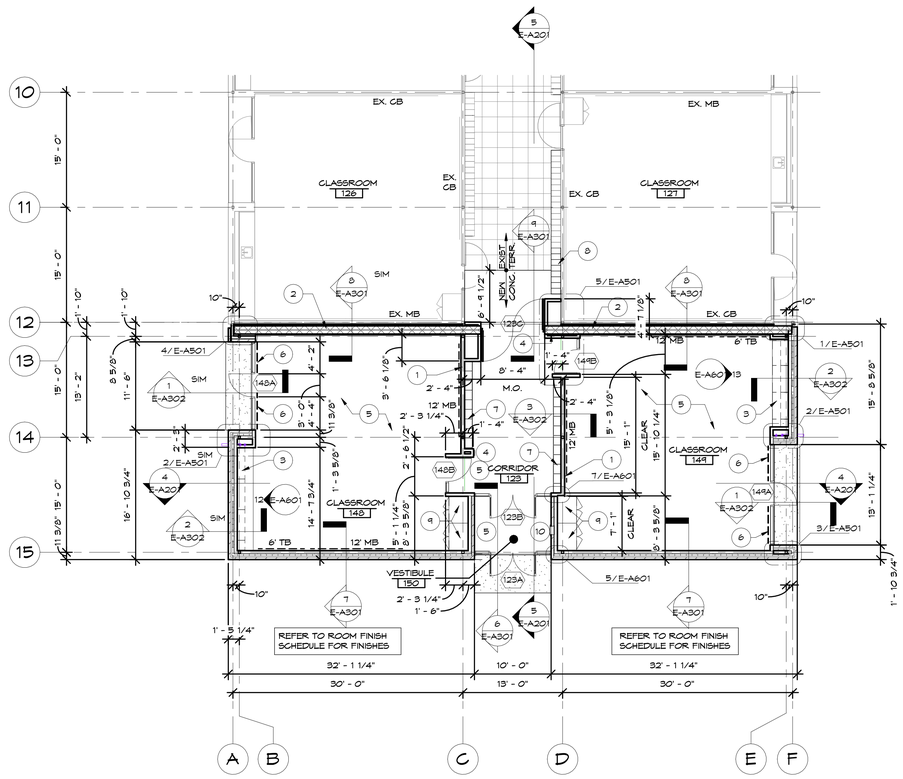
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	CHECKED JESS	CAD FILE NO. E-A101
	REVIEWED MLB	DRAWING NO. E-A101
	DATE OCT 19, 2026	SHEET NO. 15 OF 31
	SCALE 1/4"= 1'-0"	

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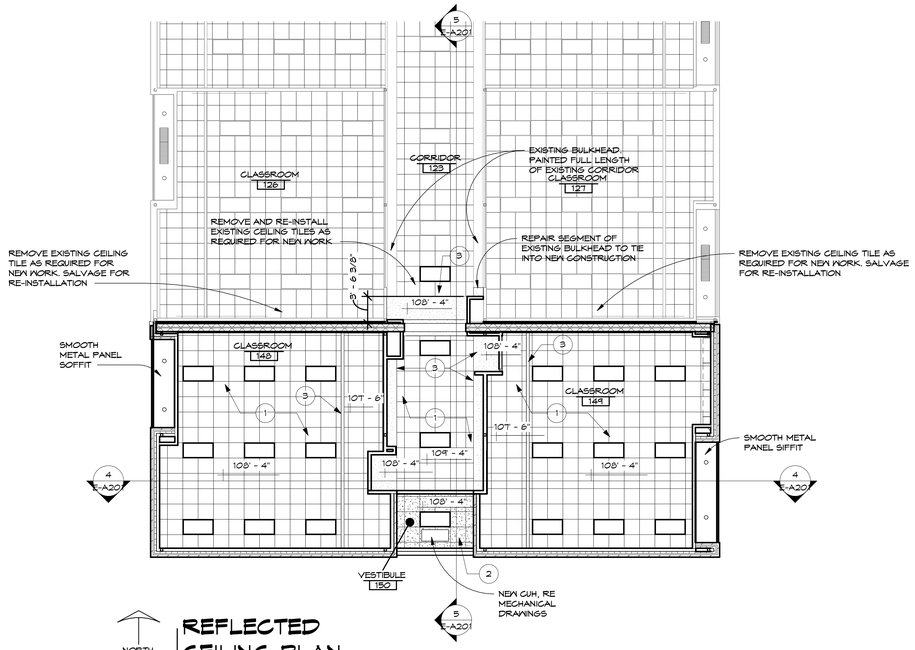
NORTH
1/8" = 1'-0"

FOUNDATION PLAN



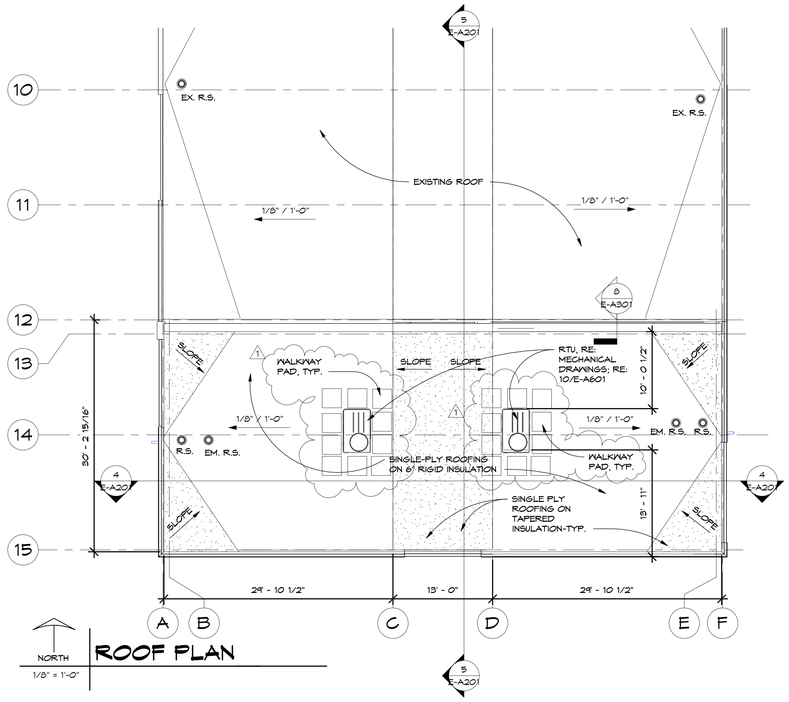
NORTH
1/8" = 1'-0"

FLOOR PLAN



NORTH
1/8" = 1'-0"

REFLECTED CEILING PLAN



NORTH
1/8" = 1'-0"

ROOF PLAN

CONSTRUCTION GENERAL NOTES

1. EXISTING FINISH FLOOR ELEVATION = 100'-0"
2. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY DESIGN PROFESSIONAL OF ANY DISCREPANCIES PRIOR TO BEGINNING OF WORK. COORDINATE DEMOLITION WORK WITH NEW WORK SHOWN ON DRAWINGS.
3. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL TRADES. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, AND FLOOR OPENINGS REQUIRED OF THESE AND OTHER TRADES.
4. REPAIR ALL WALLS, FLOORS AND CEILINGS AT ALL AREAS DISTURBED BY DEMOLITION TO MATCH EXISTING FINISHES, UNLESS NOTED OTHERWISE. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND/OR SHORING REQUIRED TO MAINTAIN THE INTEGRITY AND STRUCTURAL STABILITY OF THE BUILDING AND ITS ELEMENTS.
6. CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION FOR ALL COMPONENTS OF THE NEW AND EXISTING BUILDING DURING CONSTRUCTION TO PREVENT DAMAGE, INCLUDING WEATHERPROOFING AT ALL OPENINGS.
7. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL WORK.
8. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUDS, OR CENTERLINE OF STEEL, UNLESS NOTED OTHERWISE.
9. TOUCH UP PAINT AT ALL AREAS DISTURBED BY DEMOLITION AND NEW WORK.
10. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
11. NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES

1 4" METAL STUD FRAMING WALL WITH 5/8" PLYWOOD SHEATHING (CLASSROOM SIDE ONLY) AND 5/8" GYPSUM BOARD EACH SIDE
2 12" CMU WALL W/ 2-HR FIRE RATING
3 PROVIDE NEW BASE AND WALL CABINETS, AND COUNTERTOP; RE: DETAIL 1/E-A601
4 PROVIDE ROOM SIGNAGE; RE DETAIL 6/E-A201
5 PROVIDE COLORED POLISHED CONCRETE FLOOR
6 PROVIDE ROLLER SHADES
7 PROVIDE NEW 15"Wx12D LOCKER ON BASE; RE: SPEC
8 RE-INSTALL SALVAGED LOCKERS
9 PROVIDE TALL CABINET; RE: DETAIL 2/E-A601
10 PROVIDE NEW FIRE EXTINGUISHER AND CABINET

CEILING CONSTRUCTION NOTES

1 NEW 2x2 LAY-IN TYPE 'A' CEILING
2 NEW 2x2 LAY-IN TYPE 'A' CEILING WITH HOLD-DOWN CLIPS
3 NEW GYPSUM BOARD BULKHEAD ON METAL STUD FRAMING AT 16" O.C. - PAINT

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

PROJECT 'E'

THA Architects Engineers
817 E. Kearsley St. | Flint, MI 48503
Ph: 810-767-5600 | THA-Flint.com

PROJECT 'E' ADDITION AND RENOVATIONS TO:

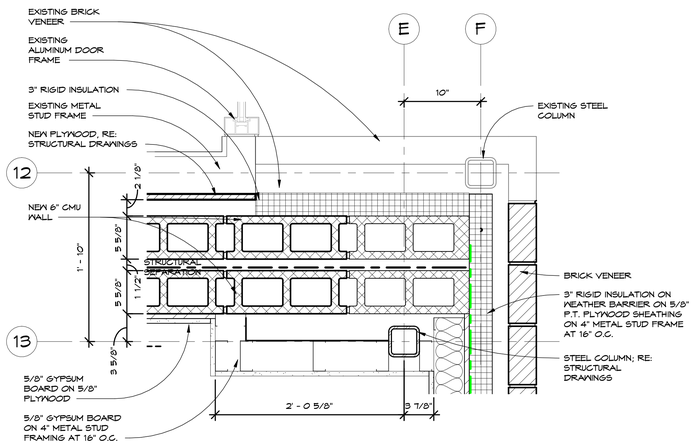
PINE RIVER ELEMENTARY SCHOOL

1894 E PINE RIVER RD.
MIDLAND, MI 48640

DRAWING TITLE
FOUNDATION PLAN, FLOOR PLAN, RCP, AND ROOF PLAN

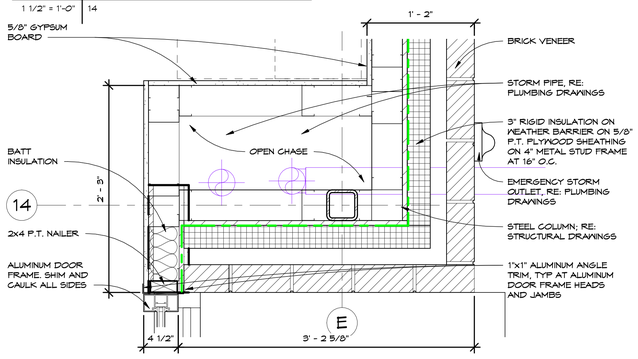
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DRAWN: EVA	PROJECT NO.: 26-210
CHECKED: JES8	DRAWING NO.: E-A103
REVIEWED: MLB	
DATE: OCT 19, 2026	SHEET NO.: 17 OF 31
SCALE: 1/8" = 1'-0"	

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10/30/2026 9:24:35 AM



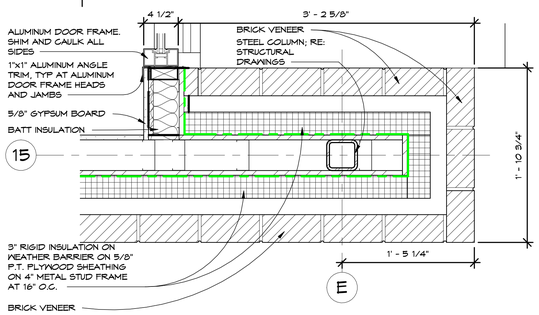
1 PLAN DETAIL

1 1/2" = 1'-0" | 14



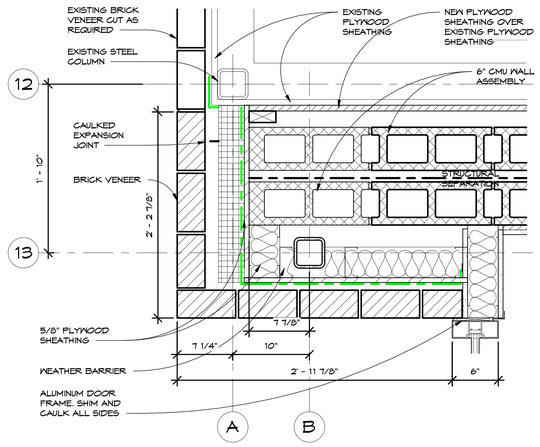
2 PLAN DETAIL

1 1/2" = 1'-0" | 14



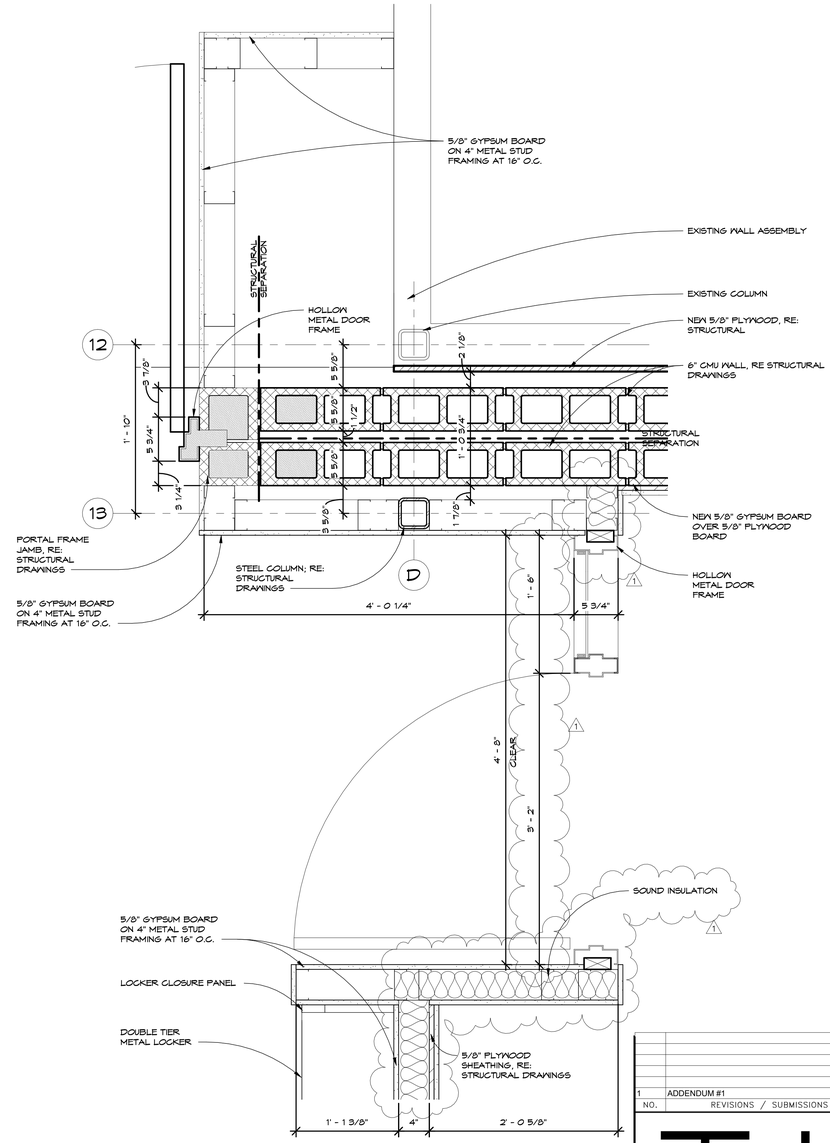
3 PLAN DETAIL

1 1/2" = 1'-0" | 14



4 PLAN DETAIL

1 1/2" = 1'-0" | 14



5 PLAN DETAIL

1 1/2" = 1'-0" | 14

PROJECT 'E'

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'E' ADDITION AND RENOVATIONS TO:

PINE RIVER ELEMENTARY SCHOOL

1894 E PINE RIVER RD.
MIDLAND, MI 48640

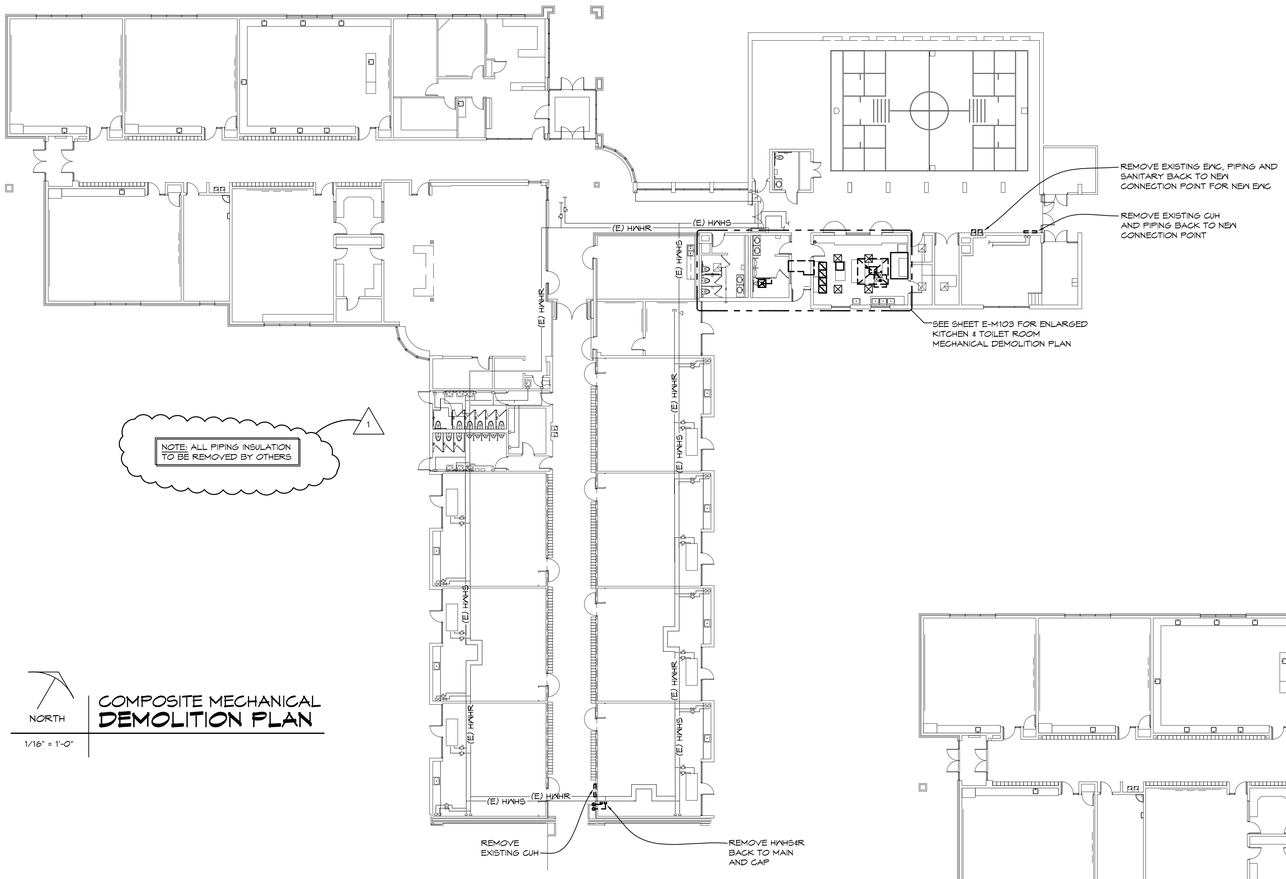
DRAWING TITLE

DETAILS

SEAL

DRAWN: EVA	PROJECT NO.: 26-210
CHECKED: JESS	DRAWING NO.: E-A501
REVIEWED: DJB	
DATE: OCT 19, 2026	SHEET NO.: 21 OF 31
SCALE: 1 1/2" = 1'-0"	

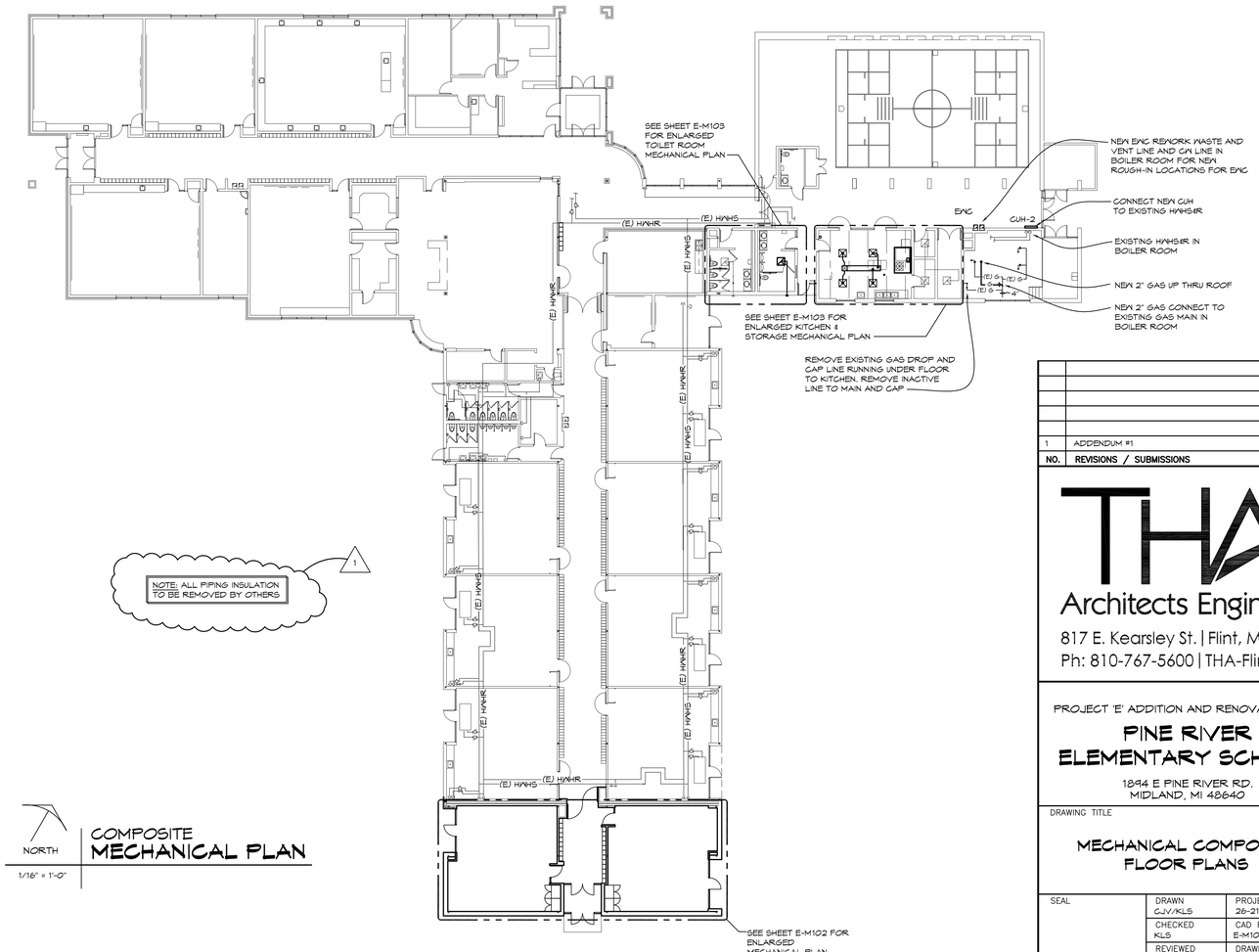
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NORTH

1/16" = 1'-0"

COMPOSITE MECHANICAL DEMOLITION PLAN



NORTH

1/16" = 1'-0"

COMPOSITE MECHANICAL PLAN

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES. VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
9. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER.
10. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
11. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
12. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL GAS FIRED EQUIPMENT

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'E' ADDITION AND RENOVATIONS TO:

PINE RIVER ELEMENTARY SCHOOL

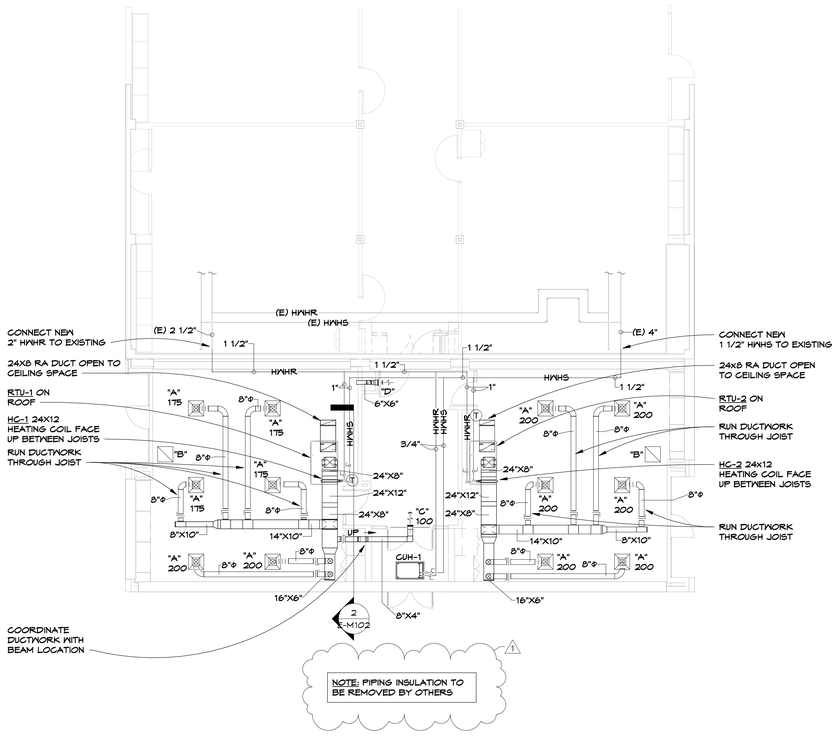
1894 E PINE RIVER RD.
MIDLAND, MI 48640

DRAWING TITLE

MECHANICAL COMPOSITE FLOOR PLANS

SEAL	DRAWN CJV/KLS	PROJECT NO. 26-210
	CHECKED KLS	CAD FILE NO. E-M101
	REVIEWED MLB	DRAWING NO. E-M101
	DATE OCT 19, 2026	SHEET NO. 24 OF 31
	SCALE AS NOTED	

THA Architects Engineers - P:\Bullock Creek\26-210 2023 Bond Series Series 2 2027 Improvements\Drafting\01-CAD\02-DD\BC PROJ E-M101-ADD1-1 C
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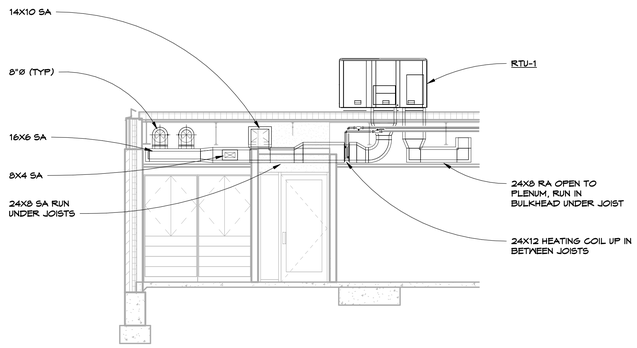


NORTH

1/8" = 1'-0"

ENLARGED MECHANICAL FLOOR PLAN

1



1/4" = 1'-0"

SECTION A-A

2

GENERAL MECHANICAL NOTES

1. SEE ALL PLANS FOR REQUIRED WORK.
2. OWNER HAS FIRST RIGHT OF REFUSAL, OTHERWISE DISPOSE FROM SITE.
3. FIELD VERIFY ALL EXISTING PIPING, DUCTWORK AND ADJUST AS REQUIRED WITH NO EXTRA COST TO OWNER
4. CONTRACTOR TO RUN ALL DRAIN PIPING TO NEAREST FLOOR DRAIN WITHOUT CAUSING A TRIP HAZARD.
5. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AND TRADES, VERIFY EXACT SIZES AND LOCATIONS OF ALL WALLS, OPENINGS, EQUIPMENT, ETC REQUIRED OF THESE TRADES.
6. AT AREAS OF DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR REMOVING, CAPPING, DISCONNECTING ALL INCIDENTAL ITEMS.
7. NOTATIONS ARE MADE IN VARIOUS PLACES ON THE DRAWINGS TO CALL ATTENTION TO DEMOLITION WHICH IS REQUIRED, HOWEVER, THESE DRAWINGS ARE NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED. THE CONTRACTOR AND THE SUBCONTRACTORS FOR THE VARIOUS TRADES SHALL REMOVE THE MATERIALS RELATED TO THEIR RESPECTIVE TRADES AS REQUIRED TO PERMIT THE CONSTRUCTION OF THE NEW WORK AS SHOWN
8. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK
9. ALL ROOF WORK TO BE DONE THROUGH ROOF WARRANTY HOLDER.
10. CONTRACTOR TO VERIFY ALL VOLTAGE AND PHASE OF ALL NEW EQUIPMENT PRIOR TO ORDERING.
11. ALL INTERRUPTIONS OF HEATING, GAS, WATER SERVICE, POWER, ETC. SHALL BE COORDINATED TWO WEEKS PRIOR TO REQUIRED WORK WITH SCHOOL.
12. PROVIDE DIRT LEG AND UNION AND ISOLATION VALVE AT CONNECTION POINT AT ALL GAS FIRED EQUIPMENT

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM #1	11/02/26

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PROJECT 'E' ADDITION & RENOVATIONS FOR:

PINE RIVER ELEMENTARY SCHOOL

1894 E PINE RIVER RD.
MIDLAND, MI 48640

DRAWING TITLE

ENLARGED MECHANICAL FLOOR PLAN

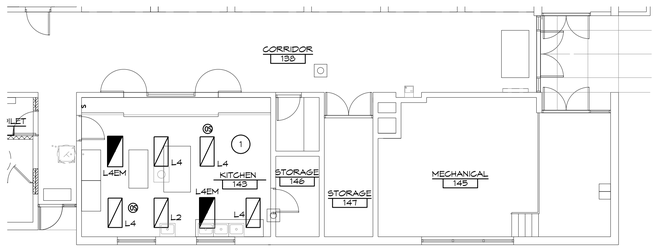
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	CHECKED KLS	DRAWING NO. E-M102
	REVIEWED MLB	
	DATE OCT 19, 2026	SHEET NO. 25 OF 31
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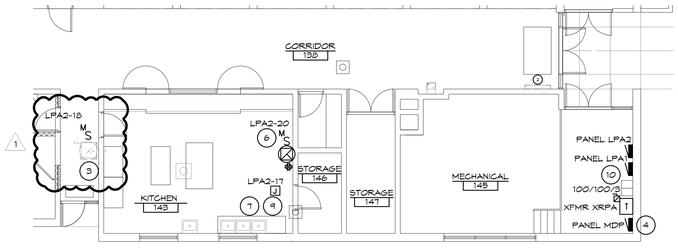
PROJECT 'E'



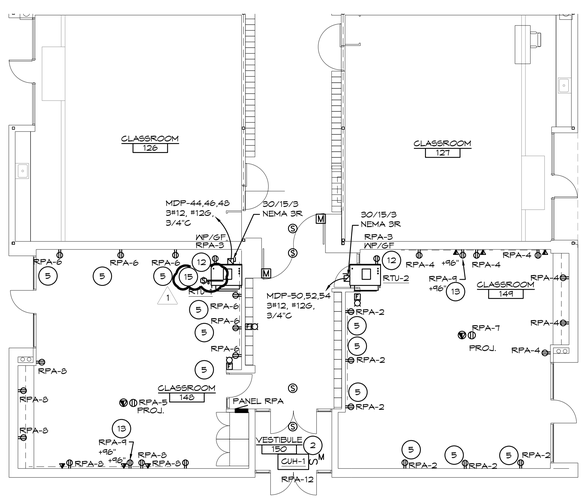
1 ADDITION NEW LIGHTING PLAN
1/8" = 1'-0"



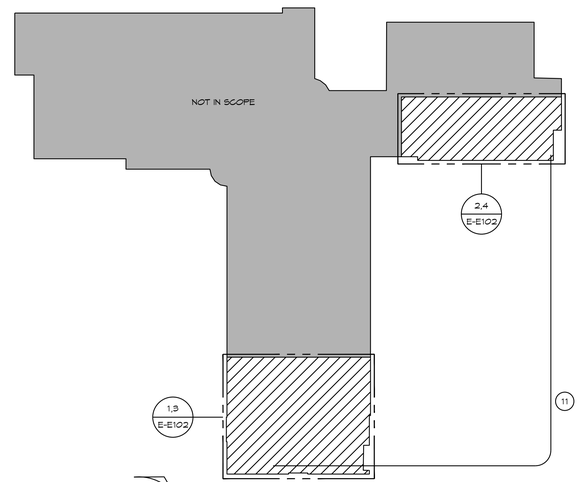
2 KITCHEN NEW LIGHTING PLAN
1/8" = 1'-0"



4 KITCHEN NEW POWER PLAN
1/8" = 1'-0"



3 ADDITION NEW POWER PLAN
1/8" = 1'-0"



NORTH
KEY PLAN
1/32" = 1'-0"

CONSTRUCTION NOTES

1. PROVIDE CONNECTION TO NEW LIGHTING FIXTURE FROM JUNCTION BOX ABOVE FINISHED CEILING.
2. PROVIDE CONNECTION TO NEW CABINET UNIT HEATER FROM EXISTING CIRCUIT. EXTEND WIRE AND CONDUIT AS NEEDED.
3. PROVIDE CONNECTION TO MAKE UP AIR UNIT FROM CIRCUIT AS SHOWN.
4. PROVIDE NEW BREAKER IN EXISTING EXHAUST FAN BREAKER POSITION MDP-19,21,23 FOR NEW EXHAUST FAN.
5. PROVIDE EXTRA REQUIRED POWER PACKS FOR RECEPTACLE SWITCH VIA THE LIGHTING CONTROLS. SEE DETAIL 4/E601.
6. PROVIDE CONNECTION TO NEW EXHAUST FAN FROM CIRCUIT AS SHOWN.
7. PROVIDE CONNECTION FOR HOOD CONTROL SYSTEM TO FIRE ALARM CONTROL PANEL.
8. PROVIDE CONNECTION TO NEW GFCI RECEPTACLE TO CIRCUIT AS SHOWN. PROVIDE WITH SHUNT TRIP BREAKER. SEE PANEL SCHEDULES FOR MORE INFORMATION.
9. PROVIDE CONNECTION TO HOOD CONTROL PANEL. PROVIDE ALL NECESSARY WIRE, CONDUIT, BOXES, TERMINATIONS, AND ALL OTHER ELECTRICAL APPURTENANCES FOR A COMPLETE INSTALLATION.
10. PROVIDE A 100A/3P DISCONNECT AFTER SECONDARY SIDE OF NEW TRANSFORMER.
11. APPROXIMATE ROUTING TO PANEL RPA FROM TRANSFORMER/MDP. SEE ONE LINE DIAGRAM FOR MORE INFORMATION.
12. RECEPTACLE LOCATED ON ROOF AT ROOF TOP UNIT.
13. PROVIDE POWER AND DATA TO CLOCK LOCATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO CONSTRUCTION.
14. PROVIDE CONNECTION AND CONTROLS FOR NEW SOFFIT DOWN LIGHTS FROM EXISTING SOFFIT DOWN LIGHTS CIRCUIT. PROVIDE DEDICATED HOTLEG FROM ADJACENT CORRIDOR LIGHTING FOR CONNECTION TO EMERGENCY BATTERY.
15. PROVIDE DUCT SMOKE DETECTOR IN RETURN DUCT OF UNIT. PROVIDE CONNECTION TO FIRE ALARM CONTROL PANEL. UPON ACTIVATION OF DETECTOR, UNIT TO SHUT DOWN AND SOUND ALARM VIA FIRE ALARM CONTROL PANEL.

NO.	REVISIONS / SUBMISSIONS	DATE
1	ADDENDUM 1	11/2/2026

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PROJECT 'E' ADDITION & RENOVATIONS FOR:

PINE RIVER ELEMENTARY SCHOOL

1894 E PINE RIVER RD.
MIDLAND, MI 48640

DRAWING TITLE

ELECTRICAL NEW PLANS

SEAL	DRAWN TJA	PROJECT NO. 26-210
	CHECKED RCH	CAD FILE NO.
	REVIEWED RCH	DRAWING NO. E-E102
	DATE OCT 19, 2026	
	SCALE	SHEET NO. 30 OF 31