

ADDENDUM

Project Name:	Hamtramck Public Schools HVAC Upgrades – Phase 3 Holbrook Elementary	Addendum No:	One (1)
Project Number:	22-147	Issue Date:	April 21, 2023
Project Location:	Hamtramck, Michigan		

This Addendum forms a part of the above described Contract Documents and supersedes, supplements or clarifies parts thereof to the extent defined by the terms set forth in this Addendum.

This addendum consists of (1) typed page and the following attachments:

General Information: Pre-Bid "Sign-In Sheet" (1 page)

Drawings: A0-02

GENERAL ITEMS:

Item G1 Pre-Bid meeting attendance sign in sheet attached.

Item G2 The following are instructions on how to attend the virtual bid opening:

22-147 HPS HVAC Upgrades - Phase 3 - Holbrook Bid Opening
Apr 25, 2023, 2:00 – 2:30 PM

Please join my meeting from your computer, tablet or smartphone.
<https://meet.goto.com/242485317>

You can also dial in using your phone.
Access Code: 242-485-317
United States: [+1 \(224\) 501-3412](tel:+12245013412)

DRAWINGS:

Item A1 Drawing A0-02 – Code and Life Safety Information (issued this addendum)
A. Issued in its entirety.

****END OF ADDENDUM****

BUILDING CODE INFORMATION

GENERAL INFORMATION

OWNER: HAMTRAMCK PUBLIC SCHOOLS

OWNER ADDRESS: 3201 Roosevelt Street
Hamtramck, MI 48212

PROJECT NAME: HPS - HVAC UPGRADES PHASE 3 - HOLBROOK

PROJECT ADDRESS: 2361 Alice Street
Hamtramck, MI 48212

SUMMARY OF WORK: HVAC IMPROVEMENTS AT AN EXISTING BUILDING
(Work area constitutes less than 50% of building area)

GOVERNING CODES:

2015 MICHIGAN BUILDING CODE (MBC), (IBC 2015 WITH AMENDMENTS) ONLY AS REFERENCED BY EBC
2015 MICHIGAN REHABILITATION CODE (IEBC 2015 WITH AMENDMENTS)
2015 MICHIGAN MECHANICAL CODE (MMC), (IMC 2015 WITH AMENDMENTS)
2015 MICHIGAN ENERGY CODE (MEC), (IECC 2015 WITH AMENDMENTS AND ASHRAE 90.1-2013)
2015 INTERNATIONAL FIRE CODE (IFC), (AS REFERENCED IN THE 2015 MBC)
2012 NFPA 101 - LIFE SAFETY CODE (WITH AMENDMENTS)

BUILDING DATA SUMMARY:

USE GROUPS:
SCHOOL: GROUP E, EDUCATIONAL (2015 MBC, SECTION 305.1)
ADMINISTRATION: GROUP B, BUSINESS (2015 MBC, SECTION 304.1)

USE GROUP B IS A NON-SEPARATED OCCUPANCY, ACCESSORY TO USE GROUP E (2015 MBC, SECTION 508.3).

A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS ASSOCIATED WITH A GROUP E OCCUPANCY IS NOT CONSIDERED A SEPARATE OCCUPANCY (2015 MBC, SECTION 303.1.3).

CONSTRUCTION TYPE:
CONSTRUCTION TYPE IIB, BUILDING ELEMENTS ARE OF NONCOMBUSTIBLE MATERIALS EXCEPT AS PERMITTED BY THIS CODE (2015 MBC, SECTION 602.2).

ALL BUILDING ELEMENTS MAY BE 0-HOUR FIRE-RATED (2015 MBC, TABLE 601).

EXTERIOR WALLS MUST BE 1-HOUR FIRE-RATED IF SEPARATION DISTANCE IS LESS THAN 10 FEET (2015 MBC, TABLE 602).

BUILDING AREA:
LOWER LEVEL = 11,662 SQUARE FEET (EXISTING) - INT. FACE OF EXT. WALLS
FIRST LEVEL = 11,457 SQUARE FEET (EXISTING FOOTPRINT ON SITE) - EXT. FACE OF EXT. WALLS
SECOND LEVEL = 10,846 SQUARE FEET (EXISTING) - INT. FACE OF EXT. WALLS
TOTAL EXISTING BUILDING AREA = 33,401 SQUARE FEET (ALL LEVELS) - INT. FACE OF EXT. WALLS

NO ADDITIONS OR REDUCTIONS TO EXISTING BUILDING AREA PLANNED

BUILDING HEIGHT:
EXISTING BUILDING HEIGHT TO REMAIN UNCHANGED

INTERIOR FINISHES:

EXITS: CLASS A (2012 NFPA 101, SECTION 15.3.3.2)
CLASS B (2015 MBC, TABLE 803.11)
CLASS B (2015 MBC, TABLE 803.11)
CLASS B (2012 NFPA 101, SECTION 15.3.3.2)
CLASS B (2015 MBC, TABLE 803.11)
CLASS B (2015 MBC, TABLE 803.11)
CLASS C (2015 MBC, TABLE 803.11)
CLASS C (2012 NFPA 101, SECTION 15.3.3.2)

INTERIOR EXIT STAIRWAYS AND RAMPS:
INTERIOR EXIT PASSAGEWAYS:
CORRIDORS AND LOBBIES:
EXIT ACCESS STAIR AND RAMP ENCLOSURES:
ROOMS AND ENCLOSED SPACES:
LOW HEIGHT PARTITIONS (NOT IN EXITS):

CLASS A FINISH = FLAME SPREAD INDEX 0-25, SMOKE-DEVELOPED INDEX 0-450 (803.1.1)
CLASS B FINISH = FLAME SPREAD INDEX 26-75, SMOKE-DEVELOPED INDEX 0-450 (803.1.1)
CLASS C FINISH = FLAME SPREAD INDEX 76-200, SMOKE-DEVELOPED INDEX 0-450 (803.1.1)

INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS SHALL HAVE A MINIMUM CRITICAL RADIANT FLUX OF NOT LESS THAN CLASS II (2015 MBC, SECTION 804.4.2, WITH SPRINKLERS).

AUTOMATIC FIRE SUPPRESSION:

NONE - EXISTING BUILDING IS NOT PROTECTED BY AN AUTOMATIC FIRE SUPPRESSION SYSTEM

FIRE ALARM SYSTEM:

NONE - EXISTING BUILDING DOES NOT HAVE A FIRE ALARM SYSTEM.

OCCUPANT LOAD:

NO CHANGE TO EXISTING OCCUPANT LOAD PLANNED. STUDENT POPULATION CONSISTS OF K THROUGH 8th GRADE, AGES 5 TO 14 YEARS; 200 STUDENTS AND 24 STAFF MEMBERS.

MICHIGAN REHABILITATION CODE SUMMARY:

CLASSIFICATION OF WORK:

ALTERATION - LEVEL 1

REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE (2015 MICH. REHAB. CODE, SECTION 503.1).

ALTERATION - LEVEL 2

RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT (2015 MICH. REHAB. CODE, SECTION 504.1).

ALTERATION LEVEL 2 WORK WITHIN THIS PROJECT INCLUDES: INSTALLATION OF ADDITIONAL HVAC EQUIPMENT.

REQUIREMENTS FOR ALTERATIONS:

ALTERATION - LEVEL 1

ALL NEW WORK SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS IN THE INTERNATIONAL BUILDING CODE, INTERNATIONAL ENERGY CONSERVATION CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE, AS APPLICABLE, THAT SPECIFY MATERIAL STANDARDS, DETAIL OF INSTALLATION AND CONNECTION, JOINTS, PENETRATIONS, AND CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING (2015 MICH. REHAB. CODE, SECTION 702.6).

ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED (2015 MICH. REHAB. CODE, SECTION 703.1).

ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS (2015 MICH. REHAB. CODE, SECTION 704.1).

EXISTING LEVEL OF ACCESSIBILITY SHALL BE MAINTAINED (2015 MICH. REHAB. CODE, SECTION 705.1).

ALTERATION - LEVEL 2

IN ADDITION TO REQUIREMENTS OF ALTERATION - LEVEL 1, ALL WORK SHALL COMPLY WITH THE FOLLOWING:

ALL NEW CONSTRUCTION ELEMENTS, COMPONENTS, SYSTEMS, AND SPACES SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE. (2015 MICH. REHAB. CODE, SECTION 801.3).

AUTOMATIC FIRE SUPPRESSION SYSTEM IS NOT REQUIRED IN GROUP E WORK AREA THAT DOES NOT EXCEED 50% OF THE FLOOR AREA (2015 MICH. REHAB. CODE, SECTION 804.2.2).

A FIRE ALARM SYSTEM SHALL BE INSTALLED IN WORK AREAS OF GROUP E OCCUPANCIES AS REQUIRED BY THE INTERNATIONAL FIRE CODE FOR EXISTING GROUP E OCCUPANCIES (2015 MICH. REHAB. CODE, SECTION 804.4.1.1)

ACCESSIBILITY - A BUILDING, FACILITY, OR ELEMENT THAT IS ALTERED SHALL COMPLY WITH SECTION 410 (2015 MICH. REHAB. CODE, SECTION 806.1).

ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT AND WIRING RELATING TO WORK DONE IN ANY WORK AREA SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF NFPA 70 (2015 MICH. REHAB. CODE, SECTION 808.1)

ALL RECONFIGURED SPACES INTENDED FOR OCCUPANCY IN ANY WORK AREA SHALL BE PROVIDED WITH NATURAL OR MECHANICAL VENTILATION IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (2015 MICH. REHAB. CODE, SECTION 809.1).

IN MECHANICALLY VENTILATED SPACES, EXISTING MECHANICAL VENTILATION SYSTEMS THAT ARE ALTERED, RECONFIGURED, OR EXTENDED SHALL PROVIDE NOT LESS THAN 5 CUBIC FEET PER MINUTE PER PERSON OR OUTDOOR AIR AND NOT LESS THAN 15 CFM OF VENTILATION PER PERSON; OR NOT LESS THAN THE AMOUNT OF VENTILATION AIR DETERMINED BY THE INDOOR AIR QUALITY PROCEDURE OF ASHRAE 62 (2015 MICH. REHAB. CODE, SECTION 809.2).

ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY (2015 MICH. REHAB. CODE, SECTION 811.1)

2015 MICHIGAN MECHANICAL CODE

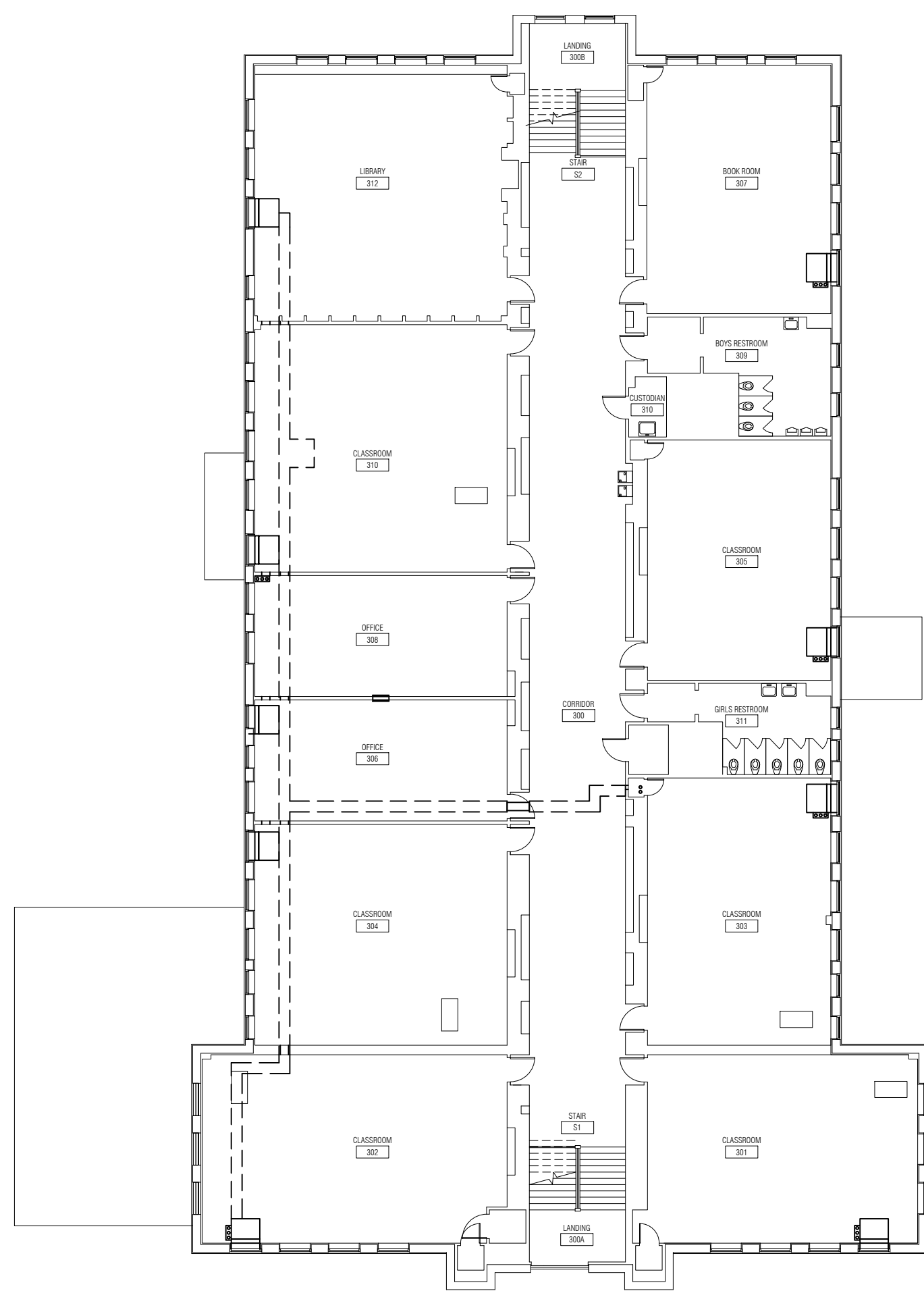
VENTILATION

EVERY OCCUPIED SPACE SHALL BE VENTILATED BY NATURAL MEANS IN ACCORDANCE WITH SECTION 402 OR BY MECHANICAL MEANS IN ACCORDANCE WITH SECTION 403 (2015 MMC, SECTION 401.2).

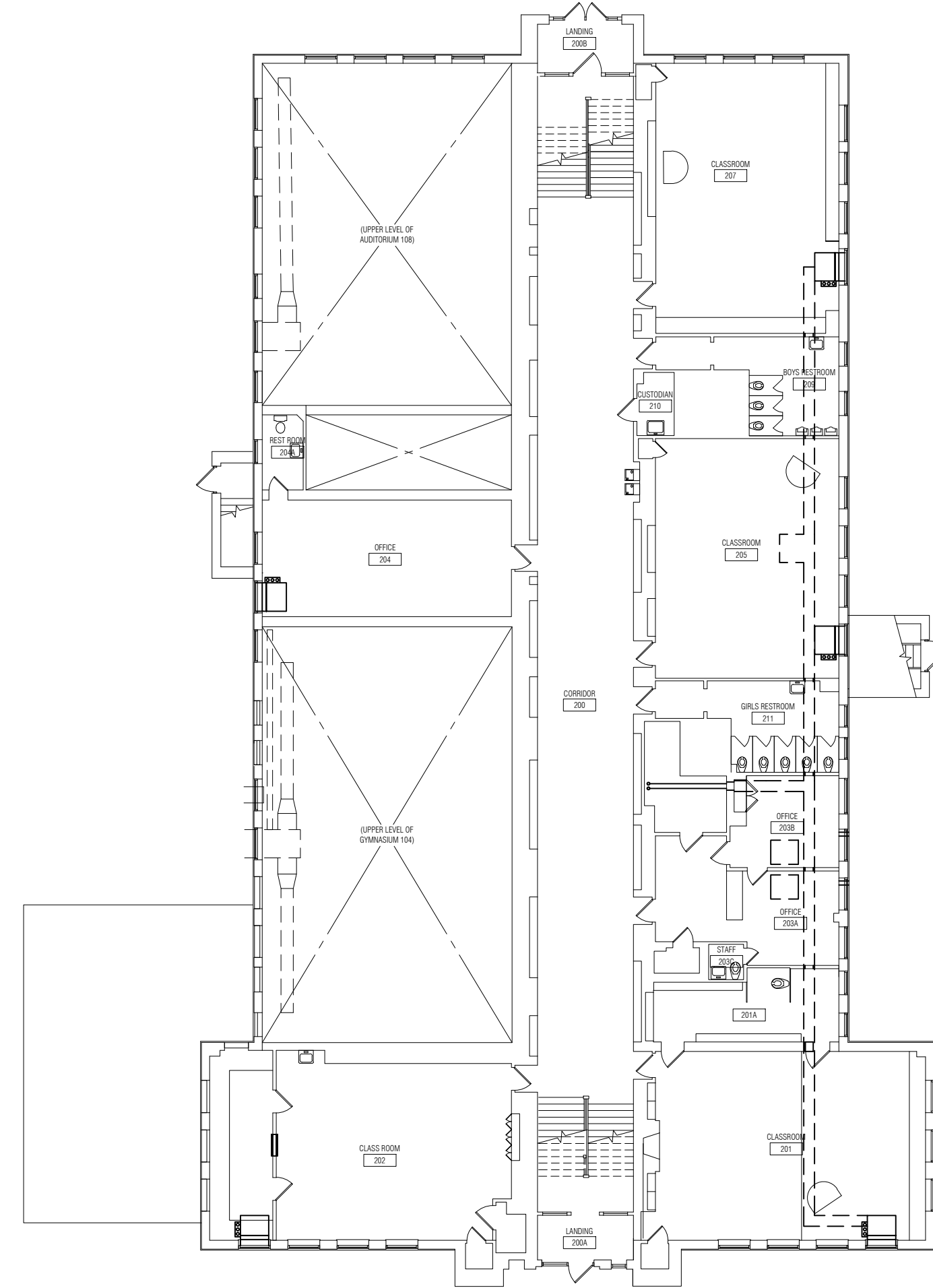
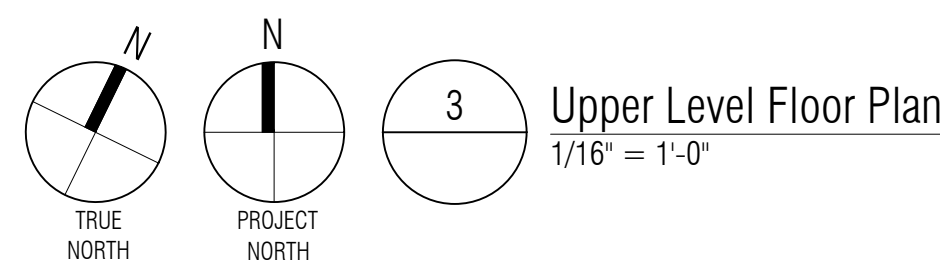
VENTILATION SHALL BE PROVIDED DURING THE PERIODS THAT THE ROOM OR SPACE IS OCCUPIED (2015 MMC, SECTION 401.3).

NATURAL VENTILATION SHALL BE THROUGH WINDOWS, DOORS, LOUVERS, OR OTHER OPENINGS TO THE OUTDOORS. THE OPERATING MECHANISM FOR SUCH OPENINGS SHALL BE PROVIDED WITH READY ACCESS SO THAT THE OPENINGS ARE READILY CONTROLLABLE BY THE BUILDING OCCUPANTS (2015 MMC, SECTION [BG]402.1).

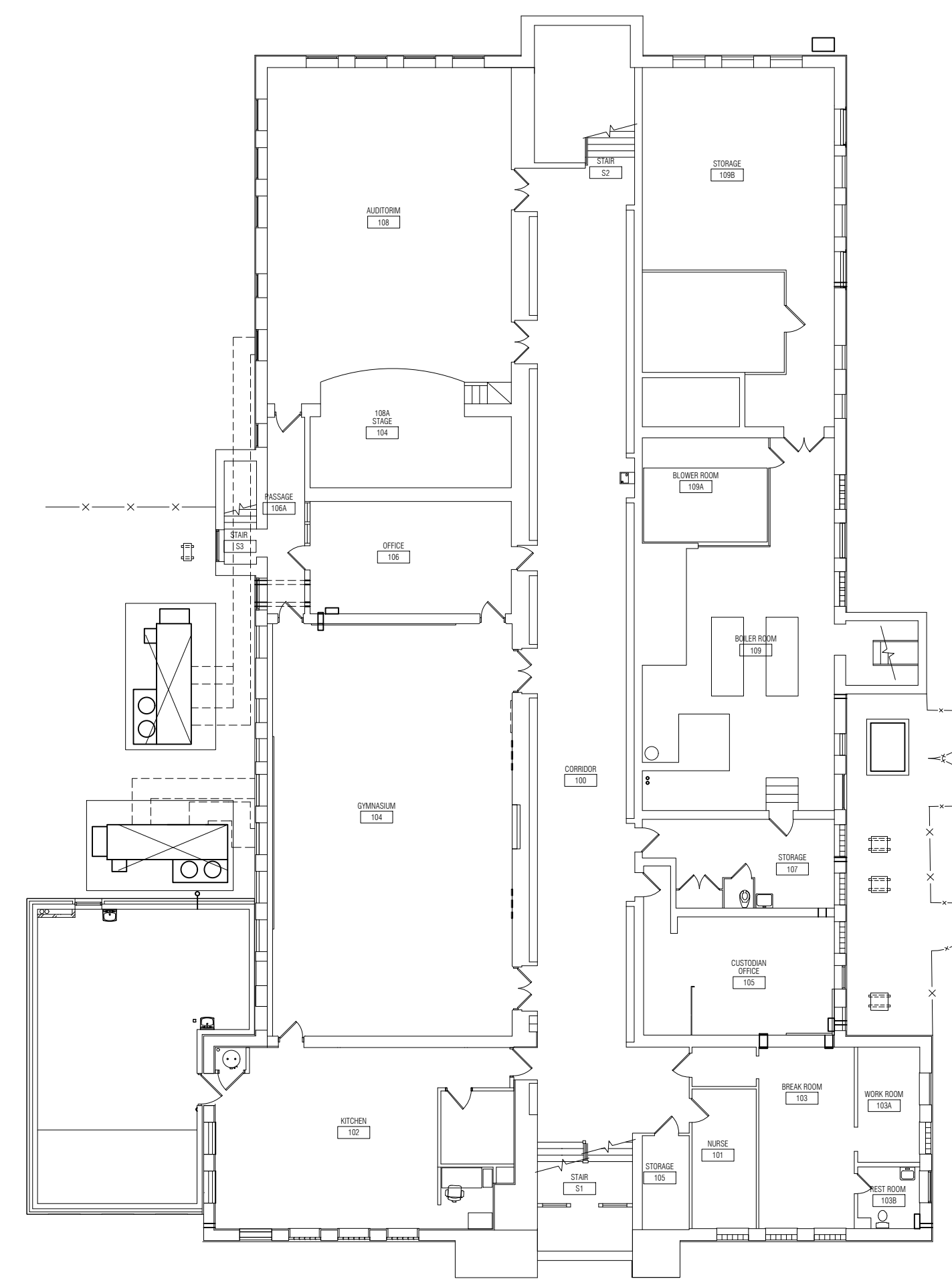
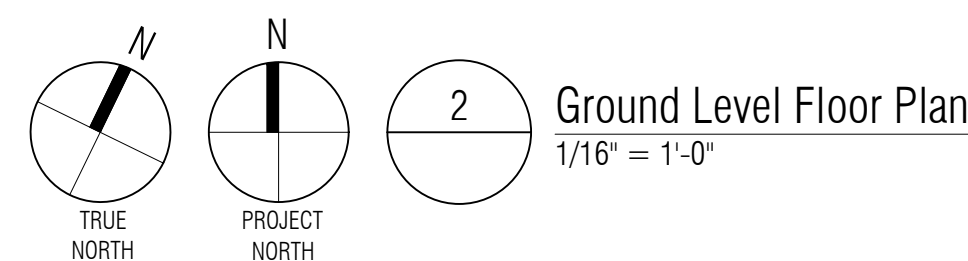
FOR NATURAL VENTILATION, THE MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED (2015 MMC, SECTION [BG]402.2).



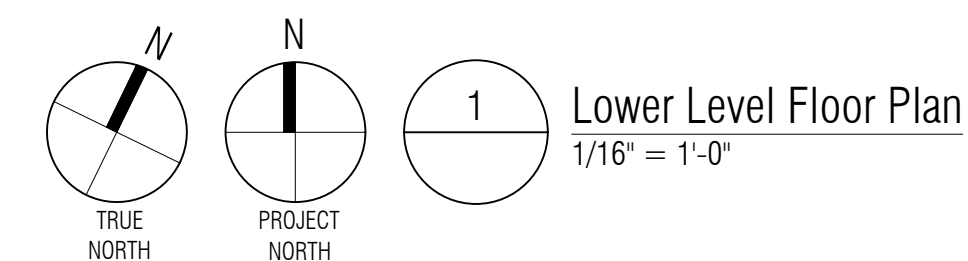
ALTERATION LEVEL 2 WORK



ALTERATION LEVEL 2 WORK



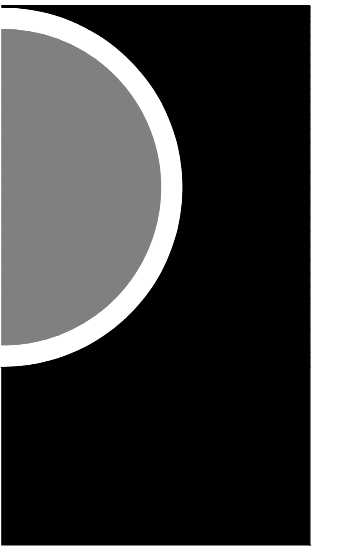
ALTERATION LEVEL 2 WORK - U.O.N.



PROJECT CODE NARRATIVE

THIS SCHOOL BUILDING WAS ORIGINALLY CONSTRUCTED AS AN EDUCATIONAL USE IN APPROXIMATELY 1896. THE ORIGINAL BUILDING, AND SUBSEQUENT ADDITIONS / ALTERATIONS WERE APPROVED UNDER PREVIOUS CODES. AS A RESULT, CERTAIN ASPECTS OF THE EXISTING BUILDING CONSTRUCTION AND LAYOUT PRECLUDE COMPLIANCE WITH THE CURRENT CODES. THE INTENT OF THIS PROJECT IS TO IMPROVE THE CURRENT HVAC SYSTEM BY REPLACING IT WITH A NEW SYSTEM. (ALTERATION LEVEL 2 WORK). EACH CLASSROOM WILL HAVE A VERTICAL UNIT VENTILATOR WITH DUCTWORK RUNNING ALONG PERIMETER OF ROOM IN ORDER TO HEAT, COOL AND VENTILATE THE SPACE. THE GYMNASIUM, AUDITORIUM, AND SOME OFFICE SPACES WILL HAVE THEIR OWN HVAC UNITS ON THE EXTERIOR OF THE BUILDING.

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CONSULTANT

KEY PLAN



OWNER

Hamtramck
Public Schools

PROJECT NAME

HVAC Improvements
Phase 3
Holbrook Elementary

2361 Alice St
Hamtramck, MI 48212

PROJECT NO.

22-147

ISSUES / REVISIONS

Bidding - Construction 04/06/2023
Addendum #1 04/21/2023

DRAWN BY

PJE

CHECKED BY

PJE

APPROVED BY

MAM

SHEET NAME

CODE AND LIFE
SAFETY
INFORMATION

SHEET NO.

A0-02