

**ADDENDUM
NO. 4**

June 13, 2023

**LAKE STREET ELEMENTARY SCHOOL ADDITIONS, RENOVATIONS,
AND RELATED WORK**

Crown Point, IN 46307

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated May 15, 2023 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 4-1 and attached Addendum No. 4 from Gibraltar Design dated June 13, 2023 and consisting of 2 pages and 9 drawings.

A. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

A. BID CATEGORY NO. 1 - GENERAL TRADES

1. Add:

- a. Clarification No. 21: Reference the Architectural Finish Plans; The **Bid Category No. 1 Contractor** is responsible for the removal of existing wall covering where new wall covering is being installed. Patch and prep wall surface as required.

ADDENDUM FOUR

Addendum Four (AD.04) to the drawings and specifications prepared by Gibraltar Design for **Lake Street Elementary School Improvements** for Crown Point Community School Corporation, Crown Point, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum, Addendum One, Addendum Two and Addendum Three, and include the appropriate content of same within their bid proposal.

DRAWINGS

1. Sheet A-103

Remove plan note 55 from corridor C-109

2. Sheet A-404

Detail 1/A-404

1. Section Mark through soffit that reads 2/A-405 should read **3/A-404**

Detail 1 and 3

2. Add the following note: "PRIOR TO INSTALLATION OF CLIPS FOR THE COMPOSITE METAL PANELS, THOROUGHLY CLEAN EXISTING STEEL STRUCTURE PER SPEC. APPLY RUST INHIBITIVE PRIMER TO EXISTING CANOPY STEEL BEAM AND COLUMN STRUCTURE."

3. Sheet A-502

Detail 12/A502

1. Add the following note: "WHERE STONE VENEER IS REMOVED REVEALING A CMU BACKING, APPLY AIR AND WATER BARRIER"

4. Sheet A-803

Remove finish note 5 from corridor C-116

5. Sheet A-804

In Passage D-109, revise the wall finish indication from WC-1 to P1

6. Sheet MD-104

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added demolition note for gas piping going to existing water heater.

7. Sheets MP-101

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added condensate piping for FC-2.

8. Sheet MP-102

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added condensate piping for FC-3.
- 2.
- 3.
- 4.

9. Sheet MP-103

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added condensate piping for FC-1

10. Sheet MP-104

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added gas piping for tankless water heaters

11. Sheet P-001

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added L-2 to plumbing fixture schedule

12. Sheet P-103

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Added floor cleanout.

13. Sheet P-111

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Tagged L-2 fixtures.

14. Sheet E-502

Refer to revised, full-size drawing, included in this Addendum, for the following revisions:

1. Revised lighting schedule fixture tag
- 2.

Pages 1 through 2, inclusive, and nine (9) Full-Size Drawings, constitute the total makeup of **Addendum Four**.



Joseph P. Brizzo



GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(317) 924-8400
www.milliesengineeringgroup.com

PROJECT
**LAKE STREET
ELEMENTARY
SCHOOL ADDITION,
RENOVATION AND
RELATED WORK**

FOR:
CROWN POINT COMMUNITY
SCHOOL CORPORATION
CROWN POINT, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
21-117
DATE
05/15/23
COORDINATED BY
SM
DRAWN BY
GL
CHECKED BY
DJ



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS	MARK	DATE	ISSUED FOR
	AD-3	06/09/23	ADDENDUM NO. 03
	AD-4	06/13/23	ADDENDUM NO. 04

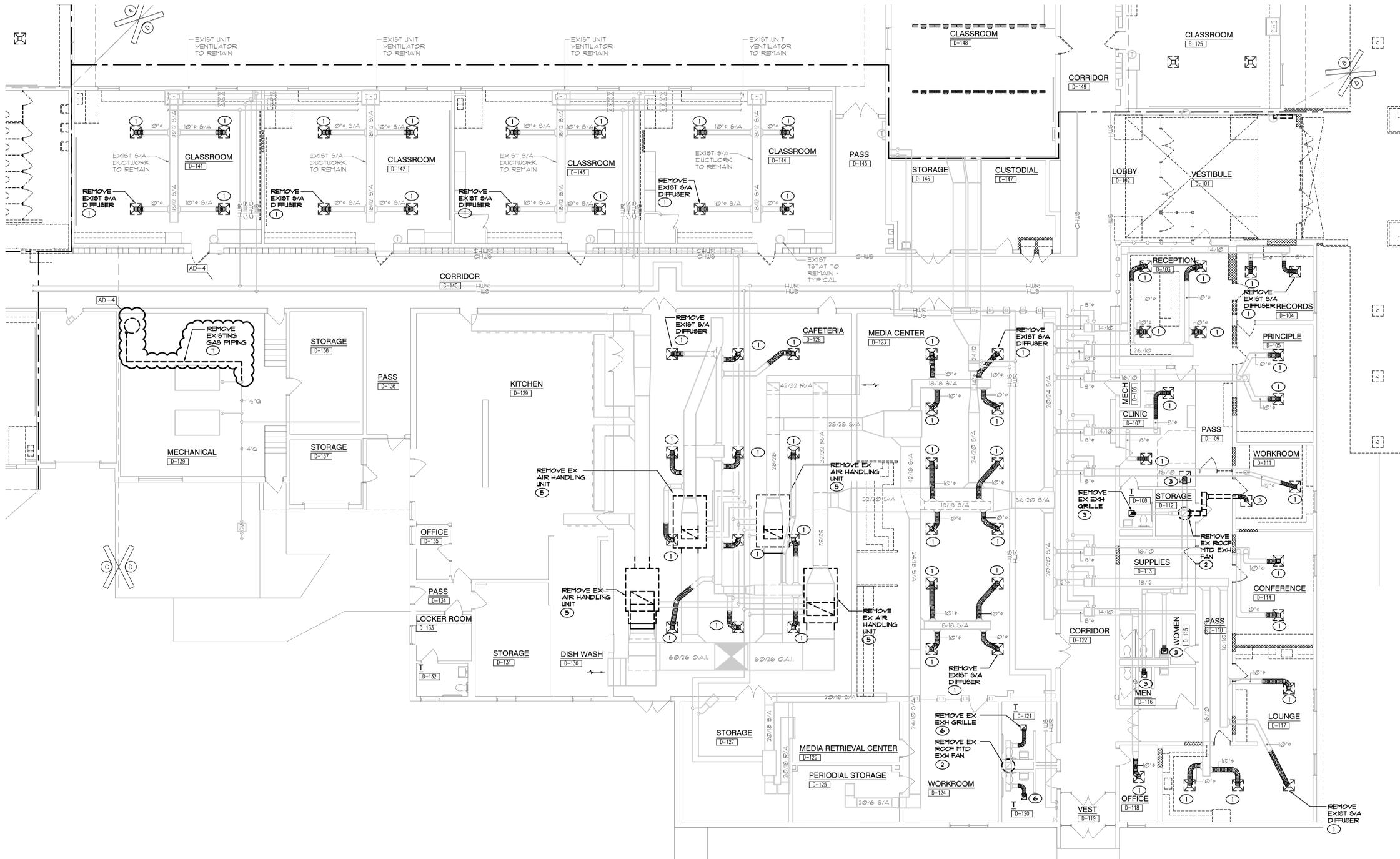
DRAWING
**PARTIAL MECHANICAL
FIRST FLOOR DEMOLITION
PLAN**

PROJECT
LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK

GIBRALTAR DESIGN SHEET
MD104

SHEET NOTES

1. REMOVE EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED DUCTWORK COMPLETE AS REQUIRED.
2. REMOVE EXISTING ROOF MOUNTED EXHAUST FAN COMPLETE AS REQUIRED. EXISTING ROOF CURB TO REMAIN FOR NEW FAN INSTALLATION.
3. REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK COMPLETE AS REQUIRED.
4. REMOVE EXISTING EXHAUST DUCTWORK COMPLETE AS REQUIRED.
5. REMOVE EXISTING INTERIOR HVAC UNIT AND ASSOCIATED SUPPLY DUCT, RETURN DUCT, OUTSIDE AIR DUCTWORK, THERMOSTAT, CONTROL WIRING, HOT WATER PIPING, CHILLED WATER PIPING, VALVES, ELECTRICAL CONNECTIONS ETC. COMPLETE AS REQUIRED.
6. ALTERNATE: REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK COMPLETE AS REQUIRED.
7. REMOVE EXISTING GAS PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED.



PARTIAL MECHANICAL FIRST FLOOR DEMOLITION PLAN

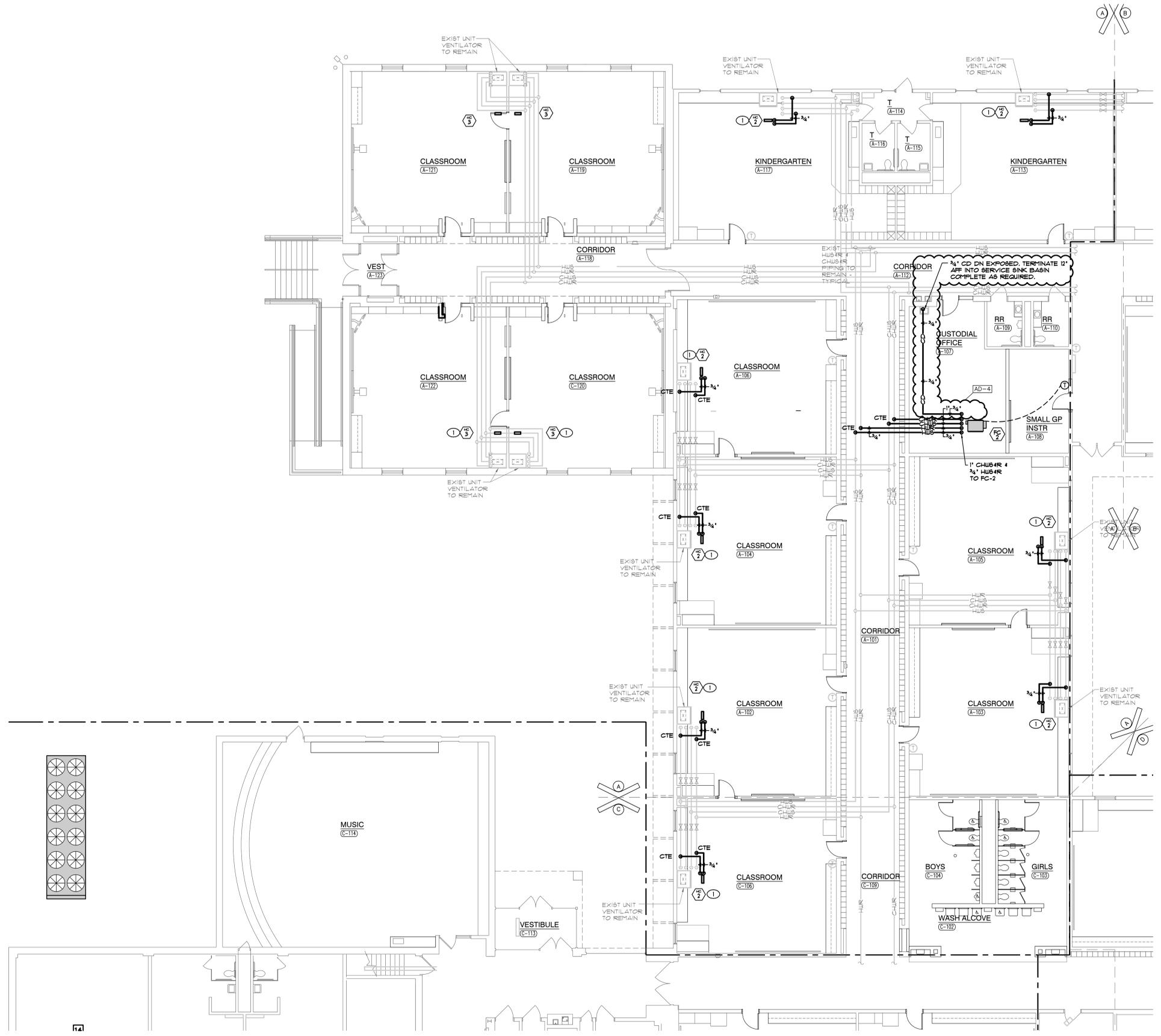
SCALE: 1/8" = 1'-0"



SHEET NOTES

1 ALTERNATE: PROVIDE DUCT MOUNTED HOT WATER HEATING COIL

AD-3

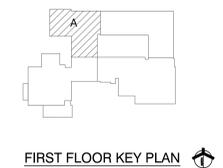


GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN



MILLIES ENGINEERING GROUP
PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT: 21-117
DATE: 05/15/23
COORDINATED BY: SM
DRAWN BY: KS
CHECKED BY: DJ



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS	MARK	DATE	ISSUED FOR
	AD-3	06/09/23	ADDENDUM NO. 03
	AD-4	06/13/23	ADDENDUM NO. 04

DRAWING
PARTIAL MECHANICAL FIRST FLOOR PIPING PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

© GIBRALTAR DESIGN SHEET
MP101

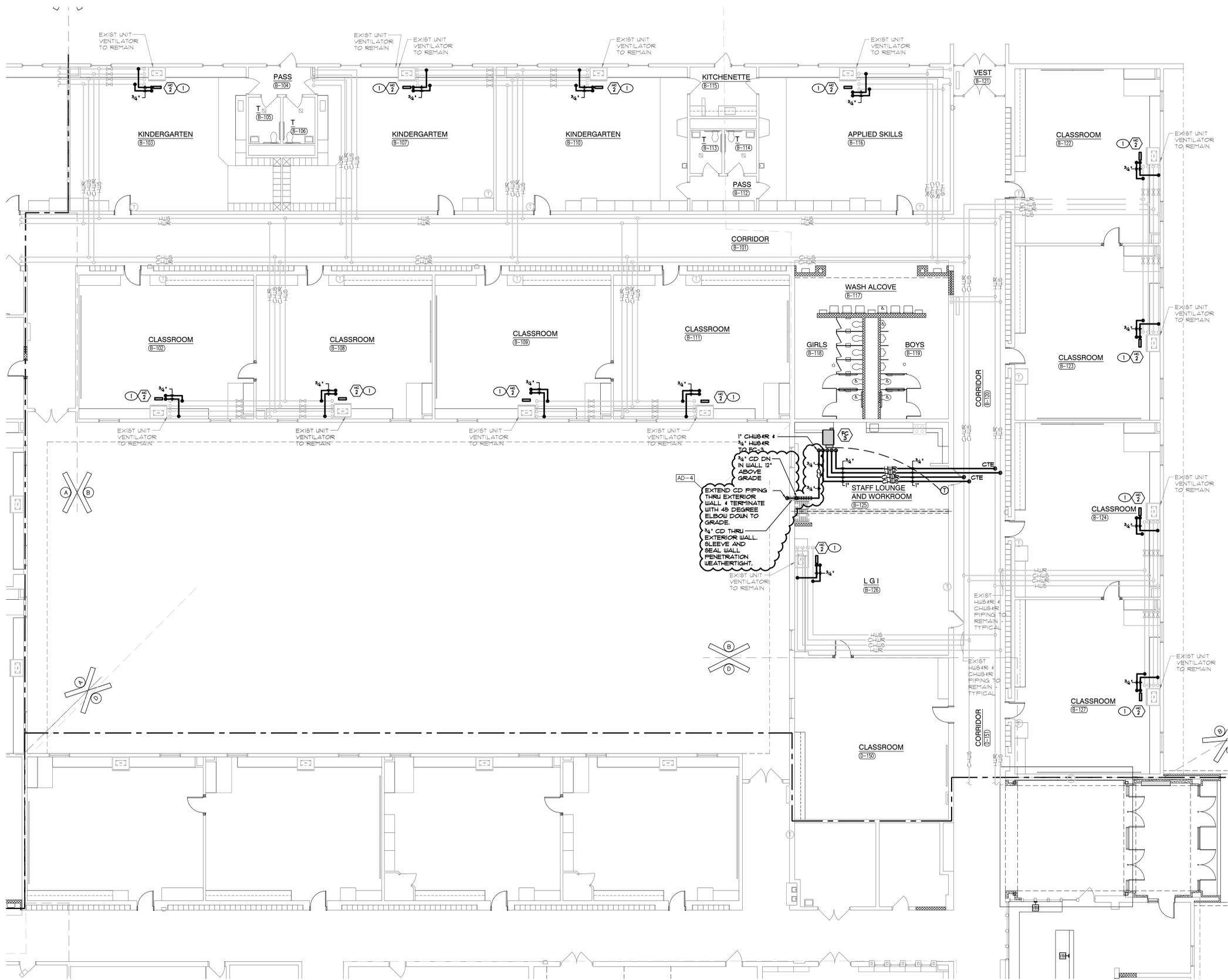
PARTIAL MECHANICAL FIRST FLOOR PIPING PLAN
SCALE: 1/8" = 1'-0"



SHEET NOTES

1 ALTERNATE: PROVIDE DUCT MOUNTED HOT WATER HEATING COIL

AD-3



PARTIAL MECHANICAL FIRST FLOOR PIPING PLAN
SCALE: 1/8" = 1'-0"

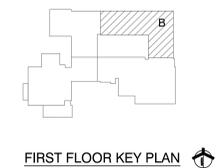


GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT: 21-117
DATE: 05/15/23
COORDINATED BY: SM
DRAWN BY: KS
CHECKED BY: DJ



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS	MARK	DATE	ISSUED FOR
	AD-3	06/09/23	ADDENDUM NO. 03
	AD-4	06/13/23	ADDENDUM NO. 04

DRAWING
PARTIAL MECHANICAL FIRST FLOOR PIPING PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

GIBRALTAR DESIGN SHEET
MP102

SHEET NOTES

1. ALTERNATE: PROVIDE DUCT MOUNTED HOT WATER HEATING COIL

AD-3



GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
209 924 8400
www.milliesengineeringgroup.com

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

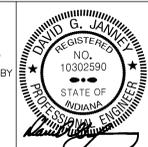
FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT: 21-117
DATE: 05/15/23
COORDINATED BY: SM
DRAWN BY: GL
CHECKED BY: DJ



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

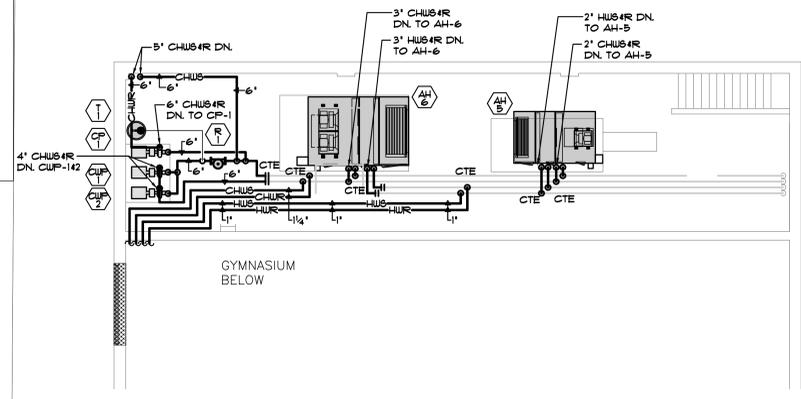
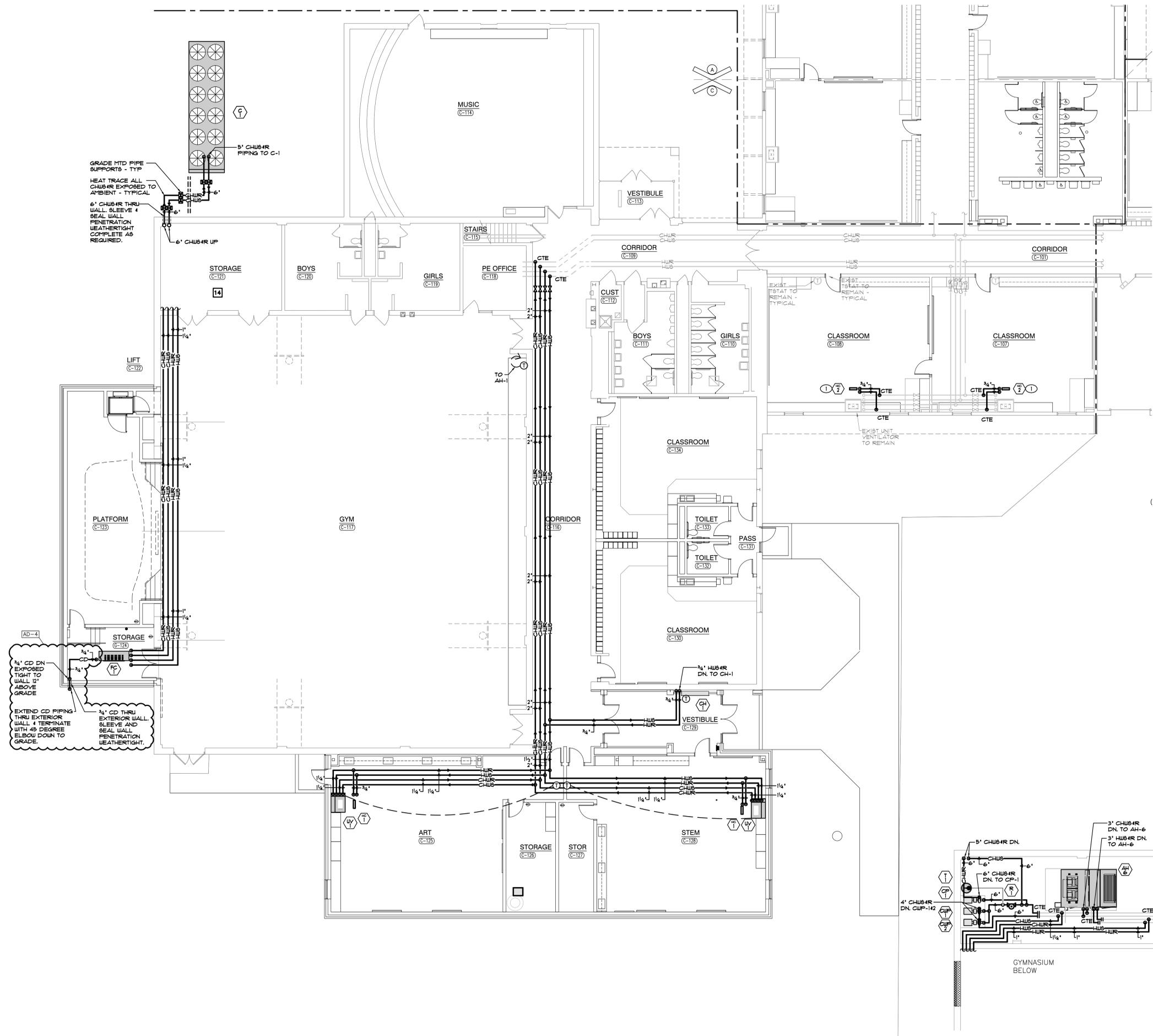
REVISIONS

MARK	DATE	ISSUED FOR
AD-3	06/09/23	ADDENDUM NO. 03
AD-4	06/13/23	ADDENDUM NO. 04

DRAWING
PARTIAL MECHANICAL FIRST FLOOR PIPING PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

© GIBRALTAR DESIGN SHEET
MP103



PARTIAL MECHANICAL FIRST FLOOR PIPING PLAN
SCALE: 1/8" = 1'-0"



MECHANICAL MEZZANINE PIPING PLAN
SCALE: 1/8" = 1'-0"



SHEET NOTES

1. ALTERNATE: PROVIDE DUCT MOUNTED HOT WATER HEATING COIL.
2. ALTERNATE: PROVIDE NEW AIR HANDLER.

AD-3

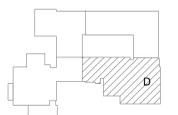


GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES
ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT
**LAKE STREET
ELEMENTARY
SCHOOL ADDITION,
RENOVATION AND
RELATED WORK**

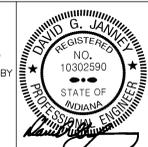
FOR:
**CROWN POINT COMMUNITY
SCHOOL CORPORATION**
CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT: 21-117
DATE: 05/15/23
COORDINATED BY: SM
DRAWN BY: KS
CHECKED BY: DJ



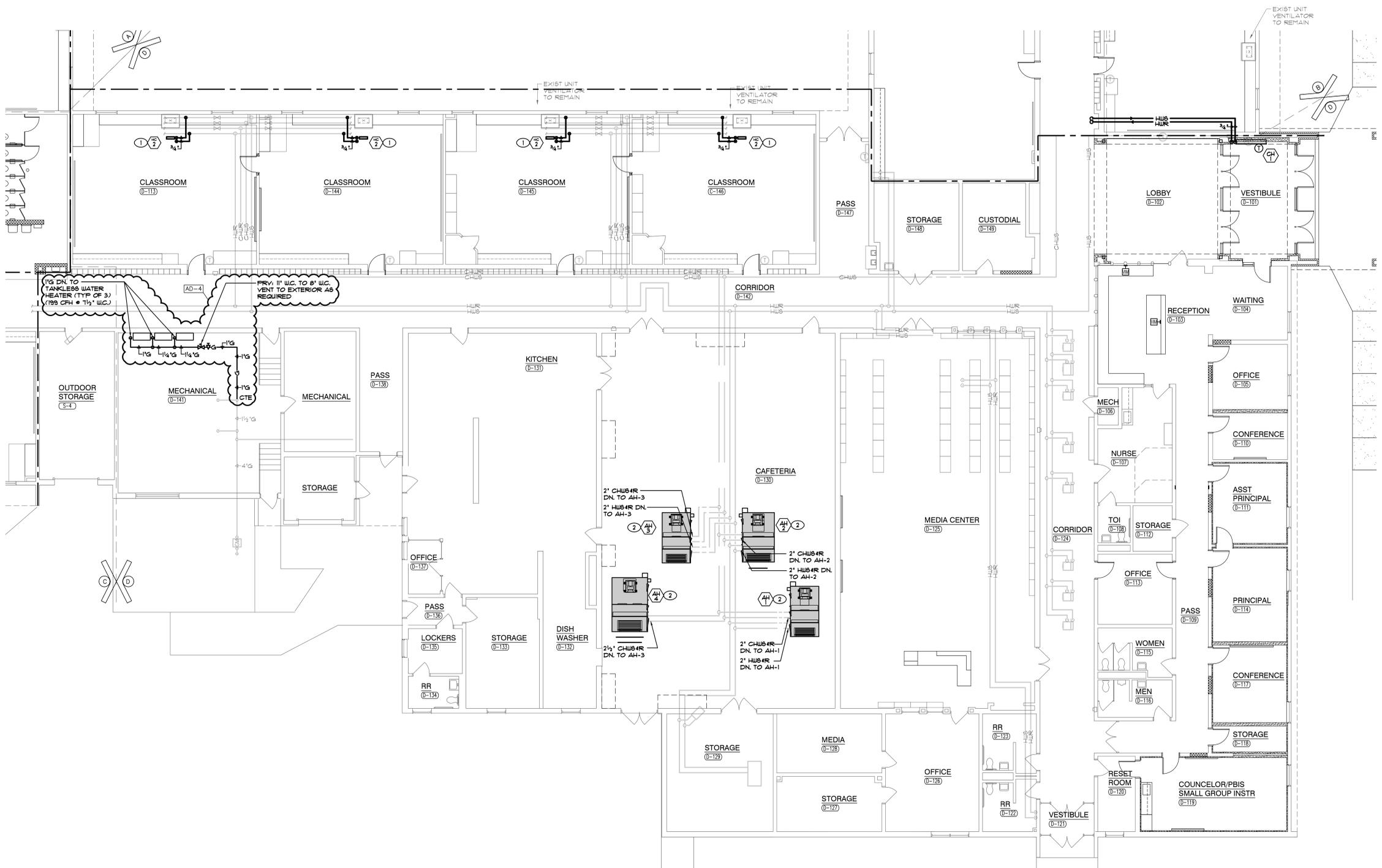
COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS	MARK	DATE	ISSUED FOR
	AD-3	06/09/23	ADDENDUM NO. 03
	AD-4	06/13/23	ADDENDUM NO. 04

DRAWING
**PARTIAL MECHANICAL
FIRST FLOOR PIPING PLAN**

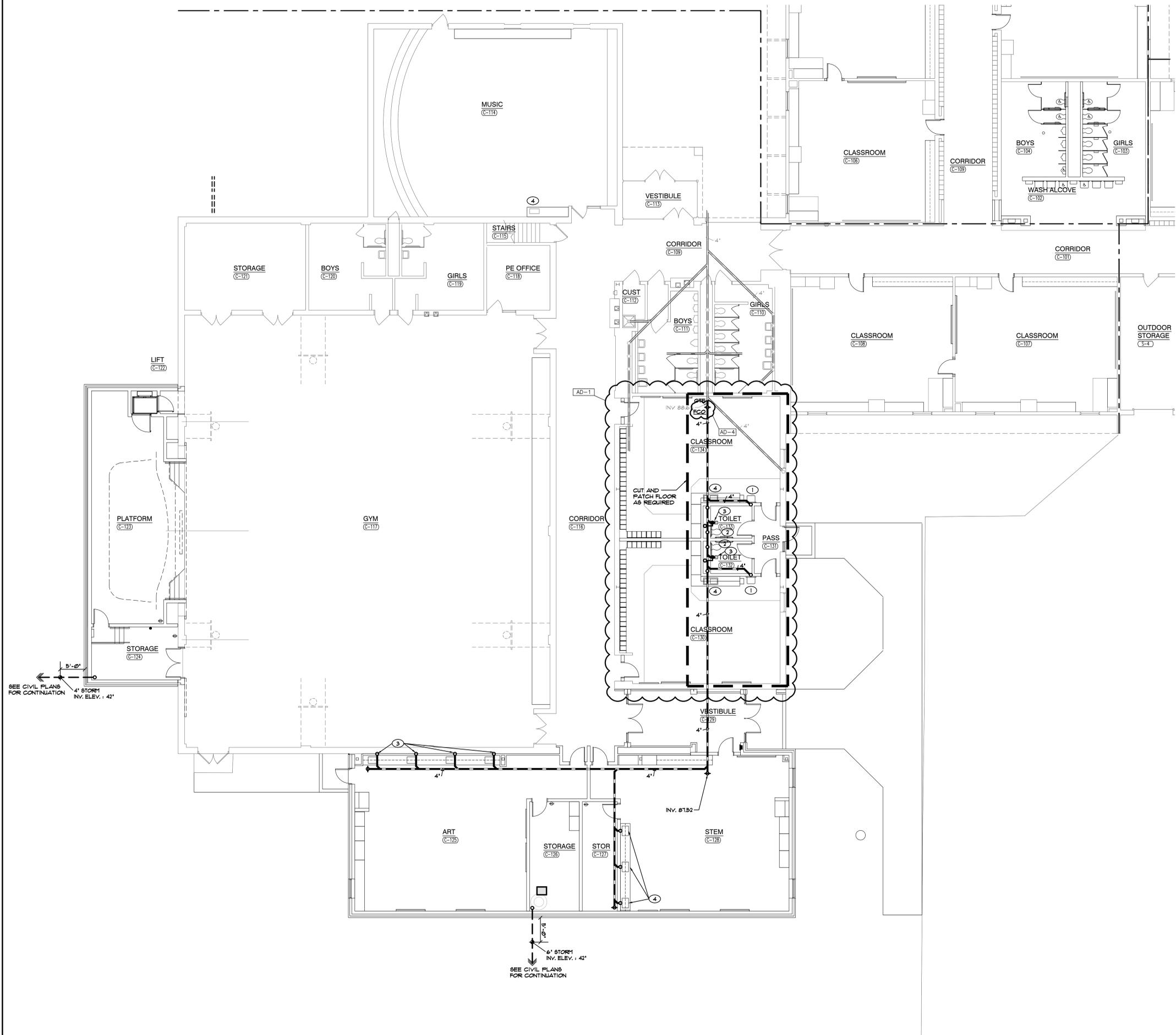
PROJECT
**LAKE STREET ELEMENTARY SCHOOL
ADDITION, RENOVATION AND
RELATED WORK**

GIBRALTAR DESIGN SHEET
MP104



PARTIAL MECHANICAL FIRST FLOOR PIPING PLAN
SCALE: 1/8" = 1'-0"





- SHEET NOTES**
1. PROVIDE NEW 1/2" HOT/COLD WATER, 1 1/2" SANITARY AND 1 1/2" VENT PIPING TO NEW LAVATORY AND FAUCET COMPLETE AS REQUIRED.
 2. PROVIDE NEW 1/2" COLD WATER, 4" SANITARY AND 2" VENT PIPING TO NEW WATER CLOSET AND FLUSH VALVE COMPLETE AS REQUIRED.
 3. PROVIDE NEW 1/2" VENT AND 4" SANITARY PIPING TO NEW FLOOR DRAIN COMPLETE AS REQUIRED.
 4. PROVIDE NEW 1/2" HOT/COLD WATER, 1 1/2" SANITARY AND 1 1/2" VENT PIPING TO NEW SINK AND FAUCET COMPLETE AS REQUIRED.



GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(317) 924-8400
www.milliesengineeringgroup.com

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT: 21-117
DATE: 05/15/23
COORDINATED BY: SM
DRAWN BY: CC
CHECKED BY: DJ



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

MARK	DATE	ISSUED FOR
AD-1	05/26/23	ADDENDUM NO. 01
AD-4	06/13/23	ADDENDUM NO. 04

DRAWING
PARTIAL PLUMBING UNDERFLOOR PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

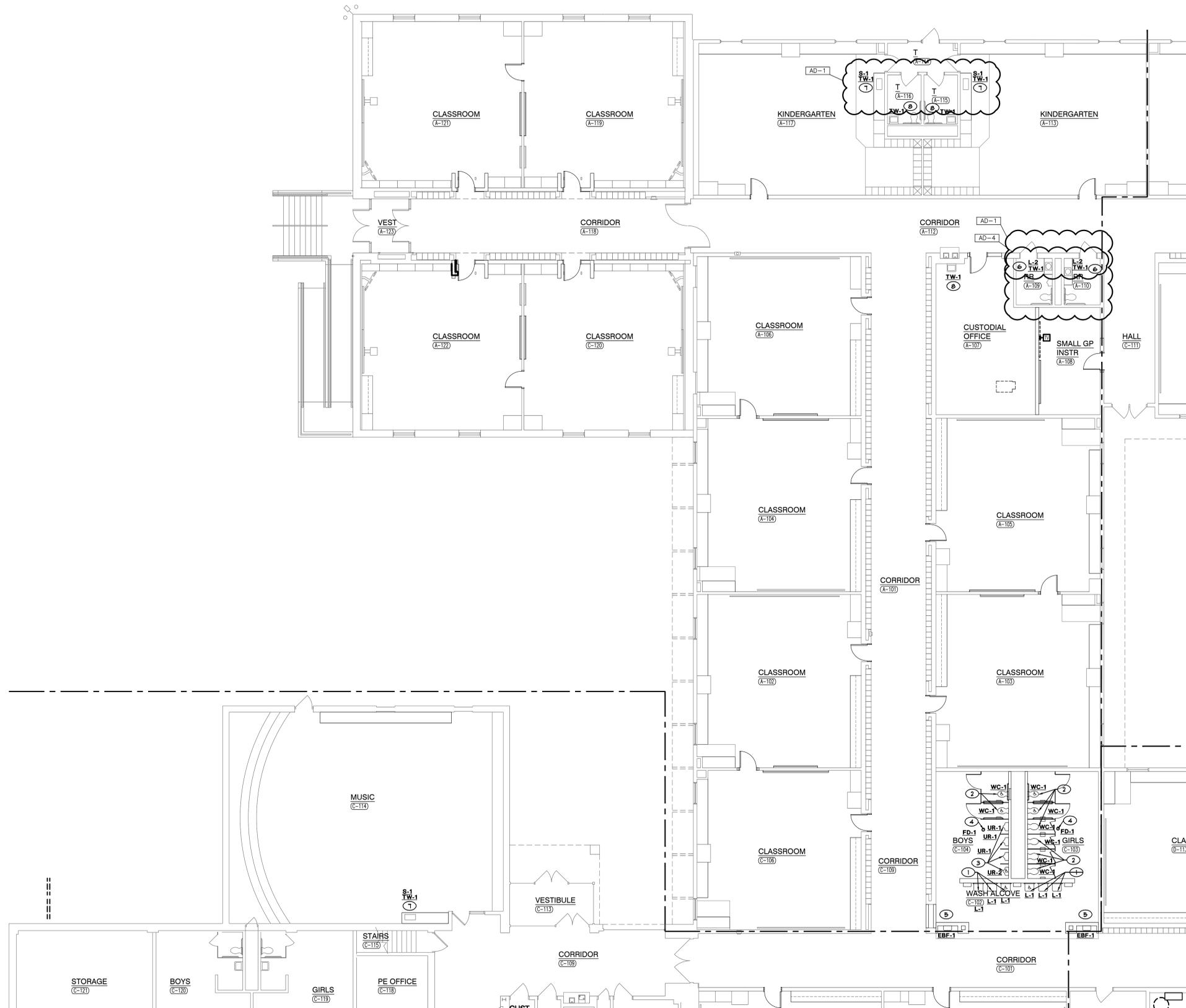
GIBRALTAR DESIGN SHEET
P-103

PARTIAL PLUMBING UNDERFLOOR PLAN
SCALE: 1/8" = 1'-0"



SEE CIVIL PLANS FOR CONTINUATION
4" STORM INV. ELEV. : 42'

SEE CIVIL PLANS FOR CONTINUATION
6" STORM INV. ELEV. : 42'



- SHEET NOTES**
1. PROVIDE NEW 1/2" HOT/COLD WATER, 1/2" SANITARY AND 1/2" VENT PIPING TO NEW LAVATORY AND FAUCET COMPLETE AS REQUIRED.
 2. PROVIDE NEW 1/2" COLD WATER, 4" SANITARY AND 2" VENT PIPING TO NEW WATER CLOSET AND FLUSH VALVE COMPLETE AS REQUIRED.
 3. PROVIDE NEW 1" COLD WATER, 2" SANITARY AND 1/2" VENT PIPING TO NEW URINAL COMPLETE AS REQUIRED.
 4. PROVIDE NEW 1/2" VENT AND 4" SANITARY PIPING TO NEW FLOOR DRAIN COMPLETE AS REQUIRED.
 5. PROVIDE NEW 1/2" COLD WATER, 1/2" SANITARY AND 1/2" VENT PIPING TO NEW ELECTRIC BOTTLE FILLER COMPLETE AS REQUIRED.
 6. REPLACE EXISTING SINK AND FAUCET AND PROVIDE NEW TEMPERED WATER VALVE COMPLETE AS REQUIRED.
 7. PROVIDE NEW 1/2" HOT/COLD WATER, 1/2" SANITARY AND 1/2" VENT PIPING TO NEW SINK AND FAUCET COMPLETE AS REQUIRED.
 8. PROVIDE NEW TEMPERED WATER VALVE TO FIXTURE.



GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN



PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA



FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT: 21-117
DATE: 05/15/23
COORDINATED BY: SM
DRAWN BY: CC
CHECKED BY: DJ



COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND WERE CREATED FOR USE ON THIS SPECIFIC PROJECT. NONE OF THIS INFORMATION SHALL BE USED BY ANY PERSON OR FIRM FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	05/26/23	ADDENDUM NO. 01
AD-4	06/13/23	ADDENDUM NO. 04

DRAWING
PARTIAL PLUMBING FIRST FLOOR PLAN

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

GIBRALTAR DESIGN SHEET
P-111

PARTIAL PLUMBING FIRST FLOOR PLAN

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



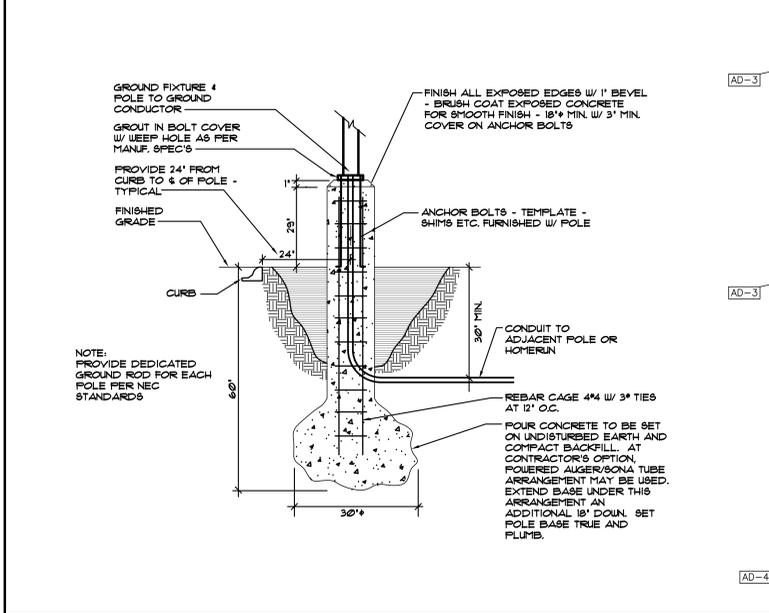
FIXTURE GENERAL NOTES

- INTERIOR FIXTURES, EXTERIOR FIXTURES AND POLE FINISHES AND COLORS TO BE SELECTED BY ARCHITECT. THE ARCHITECT MAY, AT THEIR DISCRETION, CHOOSE A CUSTOM COLOR AT NO ADDITIONAL CHARGE.
- PENDANT FIXTURES SPECIFIED ON THIS PROJECT SHALL BE CAREFULLY COORDINATED WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER AS EACH PENDANT FIXTURE IS A CUSTOM MANUFACTURED FIXTURE. PROVIDE PENDANT EMERGENCY SECTIONS AND EMERGENCY CIRCUITS AS SHOWN. COORDINATE WITH FIXTURE MANUFACTURER AND PROVIDE ADDITIONAL ACCESSORIES FOR A COMPLETE AND PROPER INSTALLATION. PROVIDE PROPER FIXTURE LENGTH, REBAR HANGERS AND DUAL CIRCUITRY AND SUSPENSION LENGTH AS SHOWN ON DRAWINGS. PROVIDE FABRICATION DRAWINGS FOR REVIEW AS PART OF THE SHOP DRAWING SUBMITTAL PROCESS.
- LED FIXTURES (LESS THAN 10000 LUMENS) SHALL BE PROVIDED WITH FACTORY INSTALLED INTEGRAL EMERGENCY BATTERY UNITS BATTERY UNITS SHALL PROVIDE A MINIMUM OF 1400 LUMENS.
- FIXTURES THAT CANNOT BE PROVIDED WITH EMERGENCY BALLASTS OR FIXTURES WITH GREATER THAN 10000 LUMENS SHALL BE PROVIDED WITH EMERGENCY INVERTER (MAYERS LV SERIES OR APPROVED EQUAL) WITH SUITABLE CAPACITY TO POWER FIXTURE FOR A MINIMUM OF 90 MINUTES PER CODE. VERIFY SIZING AND REQUIREMENTS WITH CONTRACT DOCUMENTS PRIOR TO ORDERING.
- SHADED FIXTURES SHALL HAVE AN EMERGENCY SOURCE OF POWER AS SPECIFIED.
- FIXTURES WITH EMERGENCY BATTERIES SHALL BE PROVIDED WITH CONSTANT HOT SENSING WIRE SO THAT FIXTURE CAN BE SWITCHED ON AND OFF WITHOUT ACTIVATING EMERGENCY BALLAST. UPON LOSS OF POWER, THE FIXTURE SHALL BE ILLUMINATED FOR A MINIMUM OF 90 MINUTES REGARDLESS OF THE LIGHT SWITCH POSITION. PROVIDE TEST SWITCH AND CHARGING INDICATOR FOR EMERGENCY BATTERY AS SPECIFIED.
- ALL INTEGRAL EMERGENCY BATTERIES USED IN EXTERIOR APPLICATIONS SHALL HAVE A MINIMUM STARTING TEMPERATURE OF -20 DEGREES F UNLESS OTHERWISE SPECIFIED.
- CAREFULLY COORDINATE MOUNTING REQUIREMENTS FOR FIXTURES WITH CONTRACT DOCUMENTS AND FIXTURE MANUFACTURER. PROVIDE APPROPRIATE MOUNTING FRAMES FOR LAY-IN OR GYPSUM CEILINGS. VERIFY CEILING REQUIREMENTS WITH LOCAL ARCHITECTURAL REFLECTED CEILING PLAN.
- COMPLETE PHOTOMETRICS OF THE INTERIOR AND EXTERIOR LIGHTING SHALL BE SUBMITTED ALONG WITH THE LIGHTING SHOP DRAWINGS FOR REVIEW FOR FINISHED SPACES. 80/90/70 REFLECTANCES SHALL BE UTILIZED. FOR UNFINISHED SPACES 50/50/20 REFLECTANCE SHALL BE UTILIZED. THE ILLD VALUE THAT SHALL BE UTILIZED FOR LED IS 8. EXTERIOR CALCULATIONS SHALL ACCOUNT FOR HOUSE SIDE SHIELDING AND SHALL CONFORM TO LOCAL REQUIREMENTS.
- VERIFY FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY VOLTAGES OF EXISTING LIGHTING CIRCUITRY PRIOR TO ORDERING FIXTURES.
- FOR FIXTURES INSTALLED IN CASEWORK, VERIFY FIXTURE FIT WITH CASEWORK SHOP DRAWINGS PRIOR TO ORDERING.
- PROVIDE CUSTOM ANTI-SWAY BRACING FOR PENDANT TO ELIMINATE PENDANT MOVEMENT DUE TO AIR MOVEMENT OR ENVIRONMENTAL CAUSES.
- COORDINATE LOCATIONS OF INTERIOR AND EXTERIOR LIGHTING FIXTURES WITH FINAL ARCHITECTURAL DRAWINGS. FIXTURES THAT ARE NOT INSTALLED IN THE CORRECT LOCATION SHALL BE RELOCATED AND REINSTALLED IN THE CORRECT LOCATION AT NO ADDITIONAL CHARGE.
- FIXTURES SHALL BE CAREFULLY COORDINATED WITH MANUFACTURER TO DELIVER THE SPECIFIED PRODUCT IN SUFFICIENT TIME TO MEET PROJECT DEADLINES. EQUIPMENT DELIVERY LEAD TIME SHALL NOT BE HELD AS A VALID REASON FOR REQUESTING LUMINAIRE SUBSTITUTION UNLESS LUMINAIRE LEAD TIME FROM SPECIFIED MANUFACTURER IS IN EXCESS OF 14 WEEKS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE NECESSARY EQUIPMENT LEAD TIMES, DELIVER SUBMITTALS FOR REVIEW IN A TIMELY FASHION, AND PLACE ORDERS ACCORDINGLY TO ENSURE TIMELY DELIVERY.
- EVALUATION OF APPROVED EQUALS SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER. IF THE PRODUCT SUBMITTED DURING THE REVIEW PROCESS IS NOT JUDGED AS AN EQUAL BY THE REVIEWING ENGINEER, THE CONTRACTOR SHALL PROVIDE THE PRODUCT SPECIFIED.
- LIGHT FIXTURE TRANSFORMERS SHALL BE INTEGRAL STEP DOWN TRANSFORMERS PER NEC 210.6(C). IF AN INTEGRAL STEP DOWN TRANSFORMER IS NOT AVAILABLE, PROVIDE A 120V CONNECTION FOR LIGHT FIXTURES AND ADDITIONAL CONTROL DEVICES AS REQUIRED TO PROPERLY CONTROL FIXTURES ALONG WITH OTHER 277VOLT LIGHTING IN ROOM. VERIFY CONDITIONS AND REQUIREMENTS, COMPLETE AS REQUIRED.
- CAREFULLY COORDINATE VOLTAGES OF FIXTURES PRIOR TO ORDERING FIXTURES.
- APPROVED EQUALS WILL BE CONSIDERED FROM THE FOLLOWING VENDORS: K&A LIGHTING (630.201.6955), FORCE CHICAGO (312.586.1515), PG ENLIGHTEN (847.228.1199) OR ARCHIBALD AND NEBK (630.833.1311).
- CAREFULLY VERIFY COLOR TEMPERATURE OF FIXTURES WITH ARCHITECT PRIOR TO ORDERING.

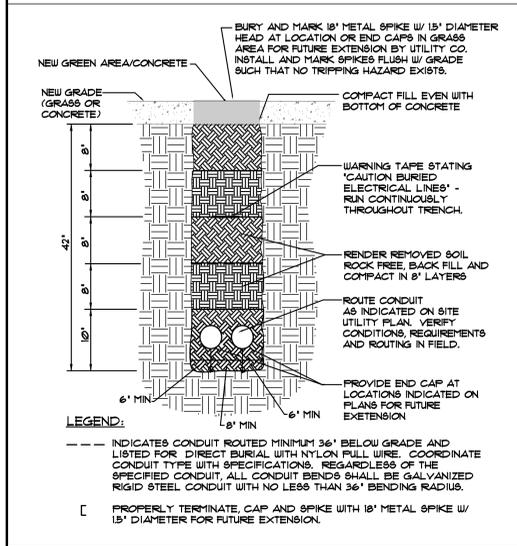
EXTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
EA	☐	EXTERIOR LED WALL MOUNTED LIGHT FIXTURE	LITHONIA *181-F2-50K-VF-120-XX OR APPROVED EQUAL HUBBELL *TRP SERIES MCGRAW HILL *88 SERIES	120 VOLT	LED 5000K MIN 3000LM MAX 38U	WALL MTD AS NOTED	-VERIFY FINISH WITH ARCHITECT.
EB	○	LED 8" DOWNLIGHT WITH TRIM FINISH TO BE SELECTED BY ARCHITECT	INDY *LRT8-28LM-50K-MVOLT-G4-80CRI-ZT-F-C88-1ET HALO *C815D10 SERIES SPECTRUM *83C815LED08 SERIES	MVOLT	LED 5000K MAX 28U MIN 2800LM	RECESSED CANOPY MOUNTED	-VERIFY TRIM FINISH WITH ARCHITECT -IC RATED
EC	○	LED IN-GRADE SITE FIXTURE FOR FLAGPOLE WITH FINISH TO BE SELECTED BY ARCHITECT	HYDREL *18120C-X-LED-F2-50K-MVOLT-N8P-X-X-X-XX-LD11-X OR APPROVED EQUAL	MVOLT	LED 5000K MIN 4322LM MAX 38U	RECESSED IN-GRADE	-VERIFY TRIM FINISH WITH ARCHITECT -SETBACK FIXTURE 1/8 OF POLE HEIGHT #180

TYPICAL 30" CONCRETE POLE BASE DETAIL - PARKING LOT AREAS



TRENCH DETAIL



INTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA	☐	2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-40L-ADP-GZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32U MIN 4000LM	RECESSED LAY-IN	-
AA1	☐	2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-48L-ADP-GZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 38U MIN 4800LM	RECESSED LAY-IN	-
AA2	☐	2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-60L-ADP-GZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48U MIN 6000LM	RECESSED LAY-IN	-
AA3	☐	2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-72L-ADP-GZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 61U MIN 7200LM	RECESSED LAY-IN	-
AB	☐	2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT2-48L-ADP-GZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32U MIN 4000LM	RECESSED LAY-IN	-
AB1	☐	2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT2-48L-ADP-GZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32U MIN 4000LM	RECESSED LAY-IN	-
AB2	☐	2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT2-33L-ADP-GZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 27U MIN 3300LM	RECESSED LAY-IN	-
AC	☐	2' X 4' LED LENSED KITCHEN TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA *2BLT4-88L-RW-A19V-MVOLT-GZI-LP840-ABC COLUMBIA *LJ24 SERIES METALUX *GR LED SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48U MIN 4800LM	RECESSED LAY-IN	-INVERTED LENS AND TRIPLE GASKETING
AE	☐	1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BLT4-40L-ADP-GZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 33U MIN 4000LM	RECESSED LAY-IN	-
AE1	☐	1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BLT4-48L-ADP-GZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 38U MIN 4800LM	RECESSED LAY-IN	-
AE2	☐	1' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *BLT4-50L-ADP-GZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 33U MIN 5000LM	RECESSED LAY-IN	-
CA	○	6" DIAMETER LED DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR IRIDESCENT FREE FINISH 4 WHITE FLANGE	LITHONIA *LDN6-40-10-L06-AR-L85-MVOLT PRESOLITE *LTR SERIES PORTFOLIO *LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 18U MIN 1000LM	RECESSED LAY-IN/ GYPSUM	-VERIFY TRIM FINISH WITH ARCHITECT
CA1	○	6" DIAMETER LED DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR IRIDESCENT FREE FINISH 4 WHITE FLANGE	LITHONIA *LDN6-40-15-L06-AR-L85-MVOLT PRESOLITE *LTR SERIES PORTFOLIO *LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 18U MIN 1000LM	RECESSED LAY-IN/ GYPSUM	-VERIFY TRIM FINISH WITH ARCHITECT
FA	—	4' LED STRIP FIXTURE	LITHONIA *C88-L48-AL03-MVOLT-40K-80CRI OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 4000K MAX 28U MIN 3200LM	RECESSED SURFACE MTD.	-
HA	☐	LED HIGH ABUSE GYMNASIUM FIXTURE	KENALL *HASED1-24-180L-DIM1-120-2F-2H-6-XX OR APPROVED EQUAL	120 VOLT 0-10V DIM	LED 4000K MAX 193U 24,000LM	RECESSED LAY-IN	-
PA	☐	4' LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA *CLX-L48-1000LM-8EF-FDL-MVOLT-GZ10-XX *GZ10-40K-80CRI-XX-XX METALUX *10LED SERIES COLUMBIA *11P9 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48U MIN 1000LM	1" CHAIN SUSPEND	-COORD LOCATIONS WITH DUCTWORK & PIPING
PB	○	SUSPENDED LED CYLINDER PENDANT	VISA *CPB42-L40-H-MVOLT-XX-XX OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 4000K MAX 18U MIN 1000LM	SUSPENDED	-VERIFY FINISH WITH ARCHITECT
TA	☐	TRACK LIGHT FIXTURE WITH LED PAR30 DIMMABLE HEAD, TWO CIRCUIT TWO NEUTRAL TRACK WITH BARN DOORS	CON-TECH *CTL5030-B-FA-30-BD30 *GZ10-XX *JUNO *TEK SERIES OR APPROVED EQUAL	120 VOLT	ONE (1) LED 175W EQUIV PAR 30 PER HEAD	36" STEM MOUNTED TO UNISTRUT	-PROVIDE ALL MOUNTING ACCESSORIES -VERIFY FINISH WITH ARCHITECT
XA	☐	SINGLE FACE EXIT, AC ONLY	DUAL-LITE *8E-S-R-X LITHONIA *LE-S-X-1-R-X SURE-LITES *CX SERIES	120/277 VOLT	LED MAX 3W	CEILING/WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XB	☐	DUAL FACE EXIT AC ONLY	DUAL-LITE *8E-D-R-X LITHONIA *LE-S-X-2-R-X SURE-LITES *CX SERIES	120/277 VOLT	LED MAX 3W	CEILING/WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XC	☐	BATTERY EMERGENCY LIGHT WITH 4 HOUR CAPACITY	LITHONIA *NDL-8P640L-UVOLT-LTP-8DRT-HO OR APPROVED EQUAL	MVOLT	LED MAX 3W PER HEAD	CEILING/WALL	-VERIFY FINISH WITH ARCHITECT -4 HOUR RATED
EM	☐	FIXTURE ON EMERGENCY CIRCUIT WITH 90 MINUTE, 1400 LUMEN OUTPUT BATTERY UNIT OR INVERTER	BODINE FACTORY INSTALLED DRIVER OR MAYERS LV SERIES INVERTER	120/277 VOLT	-	IN FIXTURE/ REMOTE	-PROVIDE TEST SWITCH AND CHARGING INDICATOR
NL	☐	CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE	-	-	-	-	-



GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN



PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

FOR:
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

FIRST FLOOR KEY PLAN

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
21-117
DATE
05/15/23
COORDINATED BY
SM
DRAWN BY
AG
CHECKED BY
DJ

COPYRIGHT NOTICE:
THE CONCEPTS, DESIGNS, PLANS, DETAILS, ETC. SHOWN ON THIS DOCUMENT ARE THE PROPERTY OF GIBRALTAR DESIGN AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE EXPRESS WRITTEN CONSENT OF GIBRALTAR DESIGN. THE OWNER MAY RETAIN COPIES FOR INFORMATION AND REFERENCE IN CONNECTION ONLY WITH THIS PROJECT.

REVISIONS	MARK	DATE	ISSUED FOR
AD-3	06/09/23	ADDENDUM NO. 03	
AD-4	06/13/23	ADDENDUM NO. 04	

DRAWING
ELECTRICAL ONE-LINE, DETAILS & DIAGRAMS

PROJECT
LAKE STREET ELEMENTARY SCHOOL ADDITION, RENOVATION AND RELATED WORK

GIBRALTAR DESIGN SHEET
E-502