

ADDENDUM NO. 4

October 24, 2025

**BOONE GROVE HIGH SCHOOL
RENOVATION AND RELATED WORK
Valparaiso, IN 46341**

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 September 15, 2025 by Gibraltar Design, Inc. 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 Pages ADD 4-1 and attached Addendum No. 4 from Gibraltar Design, Inc. dated October 23, 2025 and consisting of 4 pages and 8 drawings.

ADDENDUM FOUR

Addendum Four (AD.04) to the drawings and specifications prepared by Gibraltar Design for **Boone Grove HS Renovation and Related Work** for Porter Township School Corporation, Valparaiso, 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 and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. Specification Section 08 71 00 Door Hardware

A. Revised Hardware Group No. 12 and No. 18:

Hardware Group No. 12

A127A		A127B	A127C		
Provide each SGL door(s) with the following:					
QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224XY	628	IVE
1	EA	FIRE EXIT HARDWARE	99-L-F-2SI-03	626	VON
1	EA	SFIC RIM HOUSING	80-129	626	SCH
1	EA	PERMANENT CORE	BY OWNER	626	BES
1	EA	RIM CYL THUMBTURN, ADA	XB13-379	626	SCH
<u>1</u>	<u>EA</u>	<u>OH STOP</u>	<u>90SE</u>	<u>630</u>	<u>GLY</u>
1	EA	FIRE/LIFE CLOSER- (SURFACE CLOSER)	4040SE AC/DC PULL SIDE (4040XP SCUSH)	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
4	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

NOTE: PROVIDE RIV-NUT TYPE FASTENERS WHERE PROPER REINFORCEMENT IN THE FRAME IS NOT PRESENT. FIELD VERIFY ALL EXISTING OPENINGS TO CONFIRM FUNCTIONALITY OF NEW HARDWARE ITEMS.

FIRE/LIFE CLOSERS ARE TO BE TIED DIRECTLY TO THE FIRE ALARM SYSTEM.

Hardware Group No. 18

A127A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224XY	628	IVE
1	EA	FIRE EXIT HARDWARE	99-L-F-2SI-03	626	VON
1	EA	SFIC RIM HOUSING	80-129	626	SCH
1	EA	PERMANENT CORE	BY OWNER	626	BES
1	EA	RIM CYL THUMBTURN, ADA	XB13-379	626	SCH
1	EA	FIRE/LIFE CLOSER- (SURFACE CLOSER)	4040SE AC/DC PULL SIDE (4040XP-SCUSH)	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
4	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

NOTE: PROVIDE RIV-NUT TYPE FASTENERS WHERE PROPER REINFORCEMENT IN THE FRAME IS NOT PRESENT. FIELD VERIFY ALL EXISTING OPENINGS TO CONFIRM FUNCTIONALITY OF NEW HARDWARE ITEMS.

FIRE/LIFE CLOSERS ARE TO BE TIED DIRECTLY TO THE FIRE ALARM SYSTEM.

2. Specification Section 23 05 93 Testing and Balancing

A. Add paragraph 3.01.R to read as follows:

1. "Test and balance contractor shall test existing air handling systems for air flows, water flows, and static setpoints and provide deficiency report prior to starting demolition work. Existing systems shall be rebalanced to existing flows after completion of work."

3. Specification Section 23 09 23 Temperature Controls

A. Add paragraph 2.03.A.4 to read as follows:

1. "Schneider Electric as installed by Havel Controls"

DRAWINGS

4. Sheet C-501

A. Refer to Detail 6/C-501 and revise the Asphalt Layers as follows: Heavy Duty Pavement.

1. Surface Layer: Revise to 2" HMA Surface.
2. Revise HMA Intermediate and Base Courses to 3 1/2" HMA Bituminous Base Course.
3. Maintain 8" Crushed Aggregate Base Course, INDOT #53 on Detail.

5. Sheets AD-101 through AD-106

A. Added General Demolition Note "X" to read "WHERE CORRIDOR DOORS ARE TO BE

REMOVED, REMOVE ANY FLOOR STOPS ASSOCIATED WITH THEM. PATCH FLOOR AND PREPARE FOR NEW SURFACES."

6. Sheet AD-101

- A. Added General Demolition Note "X" to read "WHERE CORRIDOR DOORS ARE TO BE REMOVED, REMOVE ANY FLOOR STOPS ASSOCIATED WITH THEM. PATCH FLOOR AND PREPARE FOR NEW SURFACES."
- B. Added Keynote D1 to Stair AS1, AS2, Corridor A127, and Storage Rooms A202, A203, and A-204.

7. Sheet AD-106

- A. Added General Demolition Note "X" to read "WHERE CORRIDOR DOORS ARE TO BE REMOVED, REMOVE ANY FLOOR STOPS ASSOCIATED WITH THEM. PATCH FLOOR AND PREPARE FOR NEW SURFACES."
- B. Added Keynote D1 to Control Room F-201.

8. Sheet E-001

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
 - 1. Revision to symbol list.

9. Sheet ED101

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
 - 1. Clarification to existing conditions.

10. Sheets ED102 and ED104

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
 - 1. Added items to be removed and relocated.

11. Sheet E-101

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
 - 1. Added new electromagnetic door-holds to requested locations.

12. Sheets E-102 and E-104

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
 - 1. Added new electromagnetic door-holds to requested locations.
 - 2. Added new locations for relocated items.

13. Sheet FP-001

- A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
 - 1. Revised fire protection scope of work note.

Pages 1 through 4, inclusive, and Seven (7) Full-Size Drawings, constitute the total makeup of **Addendum Four**.



Joseph P. Briggs

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GENERAL NOTES

- A.

WORK SHALL COMPLY WITH LOCAL, STATE AND NATIONAL ELECTRIC CODES, AMERICANS WITH DISABILITIES ACT (or ILLINOIS ACCESSIBILITY CODE AND ILLINOIS LIFE SAFETY CODE FOR SCHOOLS).

B.

THE PANEL SCHEDULES ARE PROVIDED FOR ASSISTANCE ONLY IN UNDERSTANDING THE LOADING ON THE VARIOUS CIRCUITS AND THE CIRCUIT DESIGNATIONS DESIRED FOR THE PANEL DIRECTORIES. THE PANEL SCHEDULES MUST BE BALANCED UPON COMPLETION OF THE PROJECT TO COMPLY WITH CODE. IN ADDITION, THE PANEL SCHEDULES DO NOT IDENTIFY THE TYPES OF CIRCUIT BREAKERS TO BE USED (SUCH AS GFCI, HACR, SHUNT TRIP UNITS, ETC.) NOR DO THE SCHEDULES IDENTIFY CIRCUIT BREAKERS REQUIRED. (SUCH AS CB'S FEEDING SURGE PROTECTION UNITS). REFER TO THE REST OF THE DRAWINGS AND THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND DETAILED INFORMATION.

C.

COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS (VOLTAGES, PHASE, LOAD, ETC.) TO AVOID CONFLICTS.

D.

REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR ADDITIONAL ELECTRICAL INFORMATION AND REQUIREMENTS. IN ALL CASES DEVICE MOUNTING HEIGHTS AND LOCATIONS SHALL CONFORM TO THE LATEST AMERICANS WITH DISABILITIES FEDERAL STANDARDS.

E.

EXCAVATION NECESSARY FOR COMPLETION OF WORK SHALL BE PROVIDED. COORDINATE WITH ONE ANOTHER TO SHARE TRENCHES WHEREVER POSSIBLE.

F.

REFER TO THE PLANS FOR ADDITIONAL ELECTRICAL WORK AND REQUIREMENTS. FURNISH, INSTALL AND LOCATE DISCONNECT SWITCHES AT EQUIPMENT/MOTOR LOCATION, AS REQUIRED, AND IN ACCORDANCE WITH CODE. IF THE WORK OF OTHER TRADES CAUSES A LOSS OF CONTINUITY OF THE EXISTING ELECTRICAL DISTRIBUTION, GROUNDING SYSTEM OR CIRCUITRY, IT SHALL BE RECONNECTED OR REPAIRED AT NO ADDITIONAL COST.

G.

FIELD VERIFY IF EXISTING ASBESTOS WILL BE ENCOUNTERED PRIOR TO STARTING ANY WORK. IF ASBESTOS IS PRESENT, THE OWNER WILL PROVIDE FOR THE REMOVAL OF ANY MATERIAL CONTAINING ASBESTOS. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS

H.

COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY POWER AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.

I.

SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES, INCLUDING FIA AND OTHER SPECIAL SYSTEMS, ELECTRICAL POWER DISTRIBUTION, ETC. REQUIRED SHUTDOWN OF EXISTING FACILITY UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL.

J.

LAYOUT IS DIAGRAMMATIC AND INSTALL DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING WORK AND SUBMIT COMPLETE SHOP DRAWINGS AS PER SPECIFICATIONS.

K.

VISIT SITE PRIOR TO BID TO DETERMINE AND VERIFY EXISTING INTERIOR AND EXTERIOR ELECTRICAL SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE FULL EXTENT OF WORK. INCLUDE THE NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS (INCLUDING CEILINGS, WALLS, FLOORS, PIPES, CONDUIT, ROOF WORK, ETC.) AS REQUIRED, TO ALLOW FOR PROPER INSTALLATION OF WORK. ADJUST INSTALLATIONS TO MEET FIELD CONDITIONS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, CONDUIT, PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.

L.

HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO ATTENTION IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL REQUIRE THE CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION TO BE COMPLETED AT NO COST. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO ATTENTION FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.

M.

REMOVE AND REINSTALL EXISTING CEILINGS NOT BEING REPLACED (INCLUDING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES AND ANY OTHER ELECTRICAL DEVICES AS REQUIRED.) WHERE NECESSARY TO PERFORM WORK. THIS ALSO INCLUDES EXISTING CEILINGS OF PLASTER, DRYWALL, ETC. COORDINATE WORK IN CEILING SPACE SO AS TO MINIMIZE THE AMOUNT OF CEILINGS WHICH MUST BE REMOVED AND REINSTALLED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL OR PATCH EXISTING CEILINGS, REINSTALL DEVICES AND EQUIPMENT AND REPAIR DAMAGE AS REQUIRED TO COMPLETELY MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CEILING AREAS.

N.

REMOVE EXISTING CONSTRUCTION AS REQUIRED AT EXISTING WALLS, FLOORS, PIPE CHASES, SURFACES, FINISHES, ETC. WHICH ARE AFFECTED. REPAIR EXISTING SURFACES AFFECTED, TO MATCH EXISTING SURFACE OF EQUAL OR BETTER QUALITY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

O.

COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. RELOCATE EXISTING LIGHTING, CONDUIT, EQUIPMENT, ETC., AS NECESSARY FOR NEW INSTALLATIONS.

P.

PROVIDE NEW PANEL DIRECTORIES IN EXISTING MODIFIED PANELBOARDS AND NEW PANELBOARDS TO CORRECTLY IDENTIFY EXISTING AND NEW LOADS. FINAL DIRECTORIES SHALL BE TYPE WRITTEN.

DEMOLITION NOTES

Q.

EXISTING LIGHTING FIXTURES, ELECTRICAL DEVICES, CONDUIT, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. EXISTING ELECTRICAL EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED FROM SITE AS DIRECTED BY OWNER.

R.

PERFORM CUTTING AND PATCHING OF EXISTING FLOOR SLABS AND WALLS AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL SYSTEMS.

S.

EXISTING ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, OUTLET BOXES, CONDUIT, ETC.) WITHIN WALLS TO BE REMOVED SHALL BE DISCONNECTED COMPLETELY, REROUTE AND EXTEND EXISTING CIRCUITRY, ELECTRICAL FEEDERS AND GROUNDING SYSTEMS AS REQUIRED TO MAINTAIN CIRCUIT, FEEDER AND GROUNDING SYSTEM INTEGRITY FOR ALL REMAINING DEVICES/EQUIPMENT. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.

T.

WHERE NEW CIRCUIT BREAKERS, FUSES AND SWITCHES ARE TO BE ADDED TO EXISTING PANELBOARDS, SWITCHBOARDS, ETC., THEY SHALL BE OF THE SAME MANUFACTURER AND DESIGN AS THE EXISTING BREAKERS OR SWITCHES IF NOT OBSOLETE AND SHALL BE OF THE SIZES AS INDICATED. REARRANGE CIRCUIT BREAKERS WITHIN THE EXISTING EQUIPMENT TO ACCOMMODATE THE NEW CIRCUIT BREAKERS OR SWITCHES. BRANCH CIRCUIT NUMBERS ASSIGNED TO EXISTING PANELBOARDS ARE ARBITRARY AND ARE INTENDED TO INDICATE BRANCH CIRCUIT REQUIREMENTS ONLY. ACTUAL PANEL NUMBER ASSIGNMENTS FOR DESIGNATED BRANCH CIRCUITS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS. PROVIDE ADDITIONAL BUS, BUS EXTENSION, BOLTS AND HARDWARE, ENCLOSURE MODIFICATIONS, DIRECTORY MODIFICATIONS, ETC., AS REQUIRED TO ACCOMPLISH THE WORK.

U.

PROVIDE BALLASTS OR WIRE FIXTURES IN TANDEM AS REQUIRED TO ACCOMPLISH THE SWITCHING ARRANGEMENT AS INDICATED ON DRAWINGS. PROVIDE MULTIPLE BALLASTS PER FIXTURE WHERE INDICATED BY MULTIPLE SWITCHES PER FIXTURE ON PLANS. GENERALLY, WHERE MULTIPLE BALLASTS ARE SPECIFIED, PROVIDE MULTIPLE SWITCHES AS REQUIRED TO CONTROL EACH BALLAST IN A FIXTURE SEPARATELY.

V.

VERIFY CEILING STYLES/FRAMES AND TYPES BEFORE ORDERING FIXTURES AND CEILING MOUNTED DEVICES. PROVIDE APPROPRIATE STYLES/FRAMES AS REQUIRED TO MATCH CEILING STYLE AND TYPES.

W.

COORDINATE LIGHTING LAYOUTS WITH CEILING REGISTERS, GRILLES, DIFFUSERS, SPRINKLER HEADS AND CEILING GRID (SEE ARCHITECTURAL REFLECTED CEILING PLAN.) VERIFY LOCATION WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION.

Y.

PROVIDE PLENUM RATED LIGHT FIXTURES IN PLENUM CEILING AREAS WHERE REQUIRED BY LOCAL OR NATIONAL CODES.

Z.

SOME CEILING SPACES ARE RETURN AIR PLENUMS. EXAMINE PLENUM BEFORE CEILING IS INSTALLED (OR REPLACED) AND SEAL ALL OPENINGS AROUND CONDUIT, CABLE, ETC. PROVIDE PLENUM RATED CABLE (UNLESS IN CONDUIT), DEVICES AND EQUIPMENT PER CODE.

AA.

AIM AND ADJUST FIXTURES WITH ADJUSTMENT CAPABILITIES (I.E. TRACK LIGHTING, HIGH BAY LIGHTING, EXTERIOR FIXTURES, ETC.) TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

BB.

CONDUIT, LIGHTING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. CONDUITS, ROUTED THROUGH AREAS WITH NO CEILING, SHALL BE ROUTED WITHIN THE WEBBING OF THE JOISTS AND SHALL NOT BE ROUTED BELOW THE BOTTOM CHORD OF THE JOIST.

CC.

SMOKE OR HEAT DETECTORS SHALL BE SURFACE MOUNTED TO CEILING, ROOF DECK MATERIALS, ETC. IN LIEU OF MOUNTING TO BOTTOM CHORD OF ENGINEERED JOIST OR ANY OTHER COMPONENTS NOT AN INTEGRAL PART OF THE HORIZONTAL CEILING.

DD.

VERIFY EXISTING AND NEW MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS PRIOR TO START OF NEW CONSTRUCTION. COORDINATE AND ADJUST NEW WORK AS REQUIRED TO AVOID CONFLICTS WITH EXISTING SERVICES AND NEW SERVICES PROVIDED.

EE.

PROVIDE NECESSARY ROOFING COMPONENTS COMPATIBLE WITH EXISTING ROOFING SYSTEMS TO PROVIDE A WEATHERTIGHT INSTALLATION FOR THE ROOF PENETRATIONS AND ABANDONED HOLES FROM REMOVED ITEMS. PATCH ROOF OPENINGS FOR REMOVED PIPE PENETRATIONS, WITH RIGID ROOF INSULATION AND ROOF DECK MATERIAL FROM BELOW ROOF TO MATCH EXISTING ADJACENT MATERIALS. PROPERLY STRIP ROOFING MEMBRANE, ETC. AS REQUIRED, TO MATCH EXISTING ROOF SYSTEM WITH PROPER AND COMPATIBLE MATERIALS. PROVIDE A COMPLETE AND PROPER WEATHERTIGHT CONDITION.

FF.

ROOF SUPPORTS FOR CONDUITS TO BE EQUIVALENT TO PORTABLE PIPE HANGER, INC. TYPE PP-10, WITH ROLLER GUIDE SUPPORT FOR SINGLE PIPES AND CHANNEL GUIDE SUPPORT FOR MULTIPLE PIPES. SUPPORTS TO HAVE HIGH DENSITY POLYPROPYLENE PLASTIC BASE WITH THREADED RODS FOR ADJUSTABLE HEIGHT ROLLER. SUPPORTS ARE TO SIT ON TOP OF ROOFING MEMBRANE. SUPPORTS ARE TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION AND TO BE COMPATIBLE WITH AND MAINTAIN THE INTEGRITY OF THE EXISTING OR NEW ROOF SYSTEM. WHERE CONDUITS AND WIRING ARE RUN IN EXTERIOR LOCATIONS OR EXPOSED TO SUNLIGHT, CONDUCTORS SHALL BE PROPERLY UPSIZED PER NEC 310.

GG.

WIRING DEVICES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED BY 8" MINIMUM.

HH.

UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS WITH FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.

II.

FURNISH AND INSTALL A GREEN GROUND WIRE IN POWER CONDUITS (NOT LIGHTING). ALL DEVICES, EQUIPMENT, FIXTURES AND THE LIKE, MUST BE GROUNDED. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL BE MAINTAINED.

JJ.

PROVIDE CONDUIT AND WIRE AND MAKE FINAL POWER CONNECTIONS AS REQUIRED TO EXHAUST FANS AND MISCELLANEOUS EQUIPMENT FURNISHED WITH MOTORIZED BACKDRAFT DAMPERS. DAMPERS SHALL BE CONNECTED TO EQUIPMENT 120 VOLT POWER CIRCUIT SO AS TO INTERLOCK THE MOTORIZED DAMPER WITH THE EXHAUST FAN. FOR THREE PHASE MOTORS, PROVIDE AN ADDITIONAL 120 VOLT CIRCUIT ROUTED THROUGH AN AUXILIARY CONTACT IN THE MOTOR STARTER.

KK.

MODIFY EXISTING FIRE ALARM SYSTEM AS INDICATED ON DRAWINGS AND SPECIFICATIONS AND AS REQUIRED FOR A COMPLETE, CODE COMPLIANT INSTALLATION. PROVIDE ADDITIONAL PARTS, ACCESSORIES AND CARDS AS REQUIRED TO COMPLETE THE WORK. FURNISH AND INSTALL INTERFACED WIRING INTEGRAL TO THE FIRE ALARM SYSTEM AS WELL AS INTERFACE TO BUILDING AUTOMATION SYSTEM, ETC. FOR A COMPLETE AND OPERATING INSTALLATION. FIRE ALARM DEVICES SHALL BE CONNECTED TO THE FIRE ALARM POWER SUPPLY AND BATTERIES OF THE SYSTEM AND SHALL NOT BE CONNECTED TO NORMAL POWER. QUESTIONS REGARDING THE REQUIREMENTS OF THE FIRE ALARM SYSTEM OR THE INTENT OF THE CODE SHALL BE DIRECTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO BID.

LL.

CONDUIT INSTALLED FOR LOW VOLTAGE SYSTEMS SHALL BE COORDINATED WITH THE LOW VOLTAGE INSTALLER IN FIELD, PRIOR TO ROUGH-IN. SUCH CONDUIT SHALL BE ROUTED TO MINIMIZE CABLE LENGTH AND COMPLY WITH LOW VOLTAGE CABLING DISTANCE LIMITATIONS.

MM.

REWORK EXISTING ELECTRICAL FEEDERS, CONDUIT AND LOW VOLTAGE WIRING AS REQUIRED FOR INSTALLATION OF NEW STRUCTURAL COMPONENTS REQUIRED TO SUPPORT ROOF MOUNTED EQUIPMENT. FURNISH AND INSTALL ALL CONDUIT, WIRING AND SPLICE BOXES TO MAINTAIN CONTINUITY.

NN.

SINGLE POLE CIRCUITS SHALL HAVE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS (NON-NETWORKED), WHICH (PER CODE) ARE CONSIDERED CURRENT CARRYING CONDUCTORS. THEREFORE, IF MORE THAN THREE (3) CURRENT CARRYING CONDUCTORS ARE RUN IN THE SAME RACEWAY, CONDUCTOR AMPACITY SHALL BE DERATED IN ACCORDANCE WITH NEC ARTICLE 310. AS SUCH, MULTIPLE BRANCH CIRCUIT HOME RUNS SHALL, AT A MINIMUM, UTILIZE #10 AWG CONDUCTORS TO COMPLY WITH REQUIREMENTS HEREIN. COORDINATE REQUIREMENTS IN FIELD WITH SPECIFIC HOME RUN CONFIGURATION AND NEC 2008.

OO.

PRIOR TO THE START OF WORK AND THE ORDERING OF EQUIPMENT, CONTRACTOR SHALL CAREFULLY MEASURE AND VERIFY THE VOLTAGE, PHASE AND WIRING CONFIGURATION OF EXISTING PANELS AND EXISTING GEAR THAT ARE PART OF WORK AND SHALL CAREFULLY VERIFY THAT ALL ELECTRICAL CONNECTIONS, GEAR AND EQUIPMENT HAVE BEEN CAREFULLY COORDINATED TO ELIMINATE CONFLICTS. COORDINATE WITH OTHER TRADES AS REQUIRED TO ELIMINATE ELECTRICAL CONFLICTS PRIOR TO START OF WORK.
- SYMBOL LIST
- LIGHTING
- EMERGENCY BATTERY LIGHT MOUNTED 7'-6" AF (OR AS NOTED)

REMOTE EMERGENCY BATTERY LIGHT MOUNTED 7'-6" AF (OR AS NOTED)
- FIXTURE ON EMERGENCY CIRCUIT (EM/NL) WITH 90 MINUTE, FULL LUMEN OUTPUT BATTERY UNIT OR INVERTER, BODINE #B30 (FLUORESCENT), BODINE FACTORY INSTALLED DRIVER (LED) OR MYERS J4LV SERIES INVERTER (FLUORESCENT OR LED). REMOTE MOUNT IN ACCESSIBLE CEILING WHERE INTERNAL INSTALLATION IS NOT POSSIBLE (PROVIDE TEST SWITCH & ALL NECESSARY APPURTENANCES).
- FIRE ALARM
- NOTE:
FIRE ALARM DEVICES, MOUNTING HEIGHT, ETC. SHALL COMPLY WITH ADA STANDARDS.
- MOTORIZED DAMPER - E.C. TO INTERLOCK COMPLETE AS REQUIRED.
- EXISTING FIRE ALARM CONTROL PANEL
- EXISTING FIRE ALARM ANNUNCIATOR PANEL
- RELOCATED FIRE ALARM SYSTEM DUCT TYPE SMOKE DETECTOR WIRED TO CONTROL LOCAL FAN SHUT DOWN RELAY - DUCT DETECTOR TO BE MOUNTED IN AIR DUCT SYSTEM AND WIRED PER MANUFACTURER'S RECOMMENDATIONS AND NFPA 72
- ELECTROMAGNETIC WALL MOUNTED DOOR HOLDER OR WIRE HARDWARE INSTALLED DOOR CLOSER, COMPLETE AS REQUIRED. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND MOUNTING STYLE WITH DOOR SCHEDULE PRIOR TO ROUGHING IN FOR SAME.
- EQUIPMENT AND WIRING
- JUNCTION BOX - SIZE AND TYPE AS REQUIRED.
- FLEX CONDUIT CONNECTION
- ELECTRIC PANELBOARDS.
- DISCONNECT SWITCH SIZE AND TYPE AS REQUIRED - COORDINATE AMPERE RATING WITH EQUIPMENT SUPPLIER
- COMBINATION MAGNETIC STARTER WITH DISCONNECT SWITCH
- TRANSFORMER - SIZE AND TYPE AS REQUIRED
- SURGE SUPPRESSION DEVICE
- CONDUIT CONCEALED ABOVE CEILING OR IN WALL
- CONDUIT CONCEALED IN OR BELOW FINISHED FLOOR.
- CONDUIT EXPOSED ON CEILING, WALL OR BAR JOIST - ROUTED IN NEAT MANNER
- ELECTRIC DOOR STRIKE - STUB 3/4" CONDUIT FROM THE ACCESSIBLE CEILING SPACE TO THE DOOR MULLION FOR WIRING. INTERFACE WIRING FROM THE DOOR STRIKE TO THE DOOR ACCESS SYSTEM FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.
- DOOR RELEASE BUZZER
- DUPLEX DATA OUTLET - WITH 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING - MOUNTED 18" A.F.F. WHEN MOUNTED ADJACENT TO AN ELECTRICAL RECEPTACLE OR AS NOTED. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST IDF OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- RECEPTACLES
- 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #5362 OR EQUAL).
- 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED 42" A.F.F. OR 2' ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #5362 OR EQUAL)
- 120V-20A SPECIFICATION GRADE DUPLEX RECEPTACLE - (MOUNTED AT SPECIAL HEIGHT - COORDINATE IN FIELD) (HUBBELL #5362 OR EQUAL)
- 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION - (MOUNTED 18" A.F.F. OR AS NOTED) (HUBBELL #GF20 OR EQUAL)
- 120V-20A SPECIFICATION GRADE GROUNDED DUPLEX RECEPTACLE WITH G.F.I. PROTECTION (MOUNTED 42" A.F.F. OR 2' ABOVE BACKSPLASH IF LOCATED ABOVE COUNTER) (HUBBELL #GF20 OR EQUAL)
- FLUSH IN WALL "TV" PANEL WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A 2-GANG BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH 1" C STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE SIMPLEX DATA OUTLET WITH CAT-6A PLENUM CABLE FROM EACH JACK, TO NEAREST IDF/MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH. PROVIDE (2) HDMI OUTLETS, (1) 3.5MM OUTLET, AND EXTEND CABLING FROM EACH JACK TO ASSOCIATED PROJECTOR INPUT STATION.
- WALL MOUNTED SHORT THROW PROJECTOR LOCATION WITH ONE (1) QUAD RECEPTACLE MOUNTED IN A 2-GANG BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH 1-1/4" C STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. SUPPORT BOXES FROM STRUCTURE WITH UNISTRUT AS REQUIRED. PROVIDE DUPLEX DATA OUTLET WITH CAT-6A PLENUM CABLE, FROM EACH JACK, TO NEAREST IDF/MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH. PROVIDE (2) HDMI OUTLETS, (1) 3.5MM OUTLET, AND EXTEND CABLING FROM EACH JACK TO ASSOCIATED PROJECTOR INPUT STATION.
- FLUSH IN WALL PROJECTOR INPUT STATION WITH ONE (1) QUAD RECEPTACLE MOUNTED IN A 2-GANG BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH 1-1/4" C STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE SIMPLEX DATA OUTLET WITH CAT-6A PLENUM CABLE, FROM EACH JACK, TO NEAREST IDF/MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH. PROVIDE (2) HDMI OUTLETS, (1) 3.5MM OUTLET, AND EXTEND CABLING FROM EACH JACK TO ASSOCIATED PROJECTOR STATION.
- SHEET SYMBOLS
- HEXAGON TAG REFERENCE TO EQUIPMENT CONNECTION SCHEDULE
- ELLIPSE TAG REFERENCE TO SHEET NOTES
- TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.
- REMOVE EXISTING DEVICE AND PROVIDE NEW AS INDICATED IN EXISTING BACK BOX, JUNCTION BOX, ETC. VERIFY EXACT LOCATION AND CONDITIONS IN FIELD. MODIFY EXISTING BACK BOX, JUNCTION BOX, ETC. PROVIDE TRIM PLATES, EXTENSION RINGS, ETC. AS REQUIRED TO MOUNT NEW DEVICE AS INDICATED.
- F&I NEW DEVICE AS INDICATED.
- EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO REMAIN.
- EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO BE REMOVED COMPLETE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED SURFACE MOUNTED CONDUIT, OUTLETS, ETC. AND BLANK-OFF FLUSH WITH NEW OR EXISTING CONSTRUCTION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICES, ETC. AND RELOCATE TO NEW LOCATION COMPLETE AS REQUIRED.
- NEW LOCATION OF EXISTING RELOCATED LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. EXTEND CONDUIT, WIRE, CABLE, ETC. COMPLETE AS REQUIRED TO NEW LOCATION FOR A COMPLETE AND PROPER INSTALLATION.
- ELECTRICAL ABBREVIATIONS
- NOTE:
ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW. REFER TO CSI SECTION 01420 FOR ANY ABBREVIATIONS LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

A	AMPS	KVA	KILOVOLT AMPERE
AC	AIR CONDITIONING	KW	KILOWATTS
AFB	ABOVE FINISHED FLOOR	LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
AFG	ABOVE FINISHED GRADE	LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT
BRKR	BREAKER	MECH	MECHANICAL
C	CONDUIT	MTD	MOUNTED
CH	CABINET HEATER	NE	NEW LOCATION OF EXISTING RELOCATED DEVICE
CKT	CIRCUIT	NC	NOT IN CONTRACT
DISTR	DISTRIBUTION	NL	NIGHTLIGHT
EF	EXHAUST FAN	NTS	NOT TO SCALE
ELEC	ELECTRICAL	O/C	ON CENTER
EM	EMERGENCY	P	POLE
EMT	ELECTRICAL, METALLIC TUBING	PNL	PANEL
ER	EXISTING DEVICE TO BE REMOVED	PH	PHASE
EX	EXISTING DEVICE TO REMAIN	RR	REMOVE AND RELOCATE EXISTING DEVICE
F	FUSE	SW	SWITCH
FS	FUSIBLE SWITCH	TYP	TYPICAL
F&I	FURNISH AND INSTALL	UON	UNLESS OTHERWISE NOTED
G	GROUND	V	VOLTS
GFI	GROUND FAULT INTERRUPTING PROTECTION	VIF	VERIFY IN FIELD
GRC	GALVANIZED RIGID CONDUIT	W	WATTS
HP	HORSEPOWER	WP	WEATHER PROOF TYPE DEVICE
J	JUNCTION BOX	WG	WIRE GUARD
-
- GIBRALTAR
- DESIGN
- ARCHITECTURE - ENGINEERING - INTERIOR DESIGN
-
- PROJECT:
- BOONE GROVE
HIGH SCHOOL
RENOVATION
AND RELATED
WORK
- PORTER TOWNSHIP SCHOOL
CORPORATION
- 260 S 500 W
VALPARAISO, IN 46385
- 100% CONSTRUCTION SET
- 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
- 24-143
- DATE
- Sept 15, 2025
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- DRAWN BY
- MG
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- REVISIONS
- MARK DATE ISSUED FOR
- AD-4 10/23/25 ADDENDUM NO. 4
- DRAWING
- ELECTRICAL NOTES, SYMBOLS
& ABBREVIATIONS
- PROJECT
- BOONE GROVE HIGH SCHOOL
RENOVATION AND RELATED
WORK
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GENERAL NOTES

1. EXISTING LIGHTING TO BE REMOVED IN AREAS OF CEILING REPLACEMENT, WHERE NECESSARY TO PERFORM MECHANICAL WORK ABOVE EXISTING CEILINGS. REMOVE, STORE, AND REINSTALL EXISTING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES, AND ANY OTHER CEILING MOUNTED ELECTRICAL DEVICES AS REQUIRED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL EXISTING DEVICES AND EQUIPMENT TO COMPLETE MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGED EQUIPMENT OR DEVICES CAUSED BY THE REMOVAL, STORAGE, AND REINSTALLATION.

SHEET NOTES

1. DISCONNECT AND REMOVE EXISTING EXIT SIGNS (LABELED AND SHOWN AS 'RN') AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW EXIT SIGNS.



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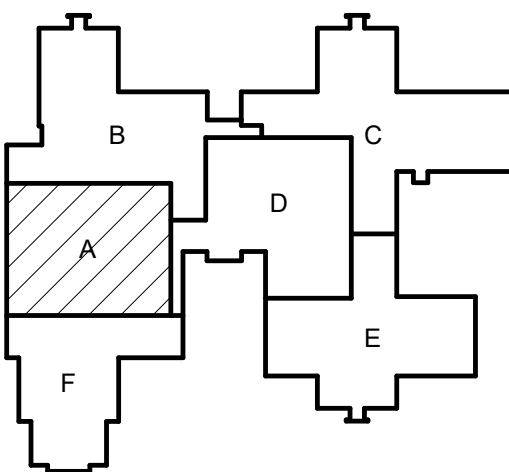


PROJECT:

BOONE GROVE
HIGH SCHOOL
RENOVATION
AND RELATED
WORK

PORTER TOWNSHIP SCHOOL
CORPORATION

260 S 500 W
VALPARAISO, IN 46385



KEY PLAN



100% CONSTRUCTION SET

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
24-143
DATE
Sept 15, 2025
COORDINATED BY
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DJ



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REVISIONS

MARK	DATE	ISSUED FOR
AD-3	10/16/25	ADDENDUM NO. 3
AD-4	10/23/25	ADDENDUM NO. 4

DRAWING

UNIT "A" ELECTRICAL FIRST
FLOOR DEMOLITION PLAN

PROJECT

BOONE GROVE HIGH SCHOOL
RENOVATION AND RELATED
WORK

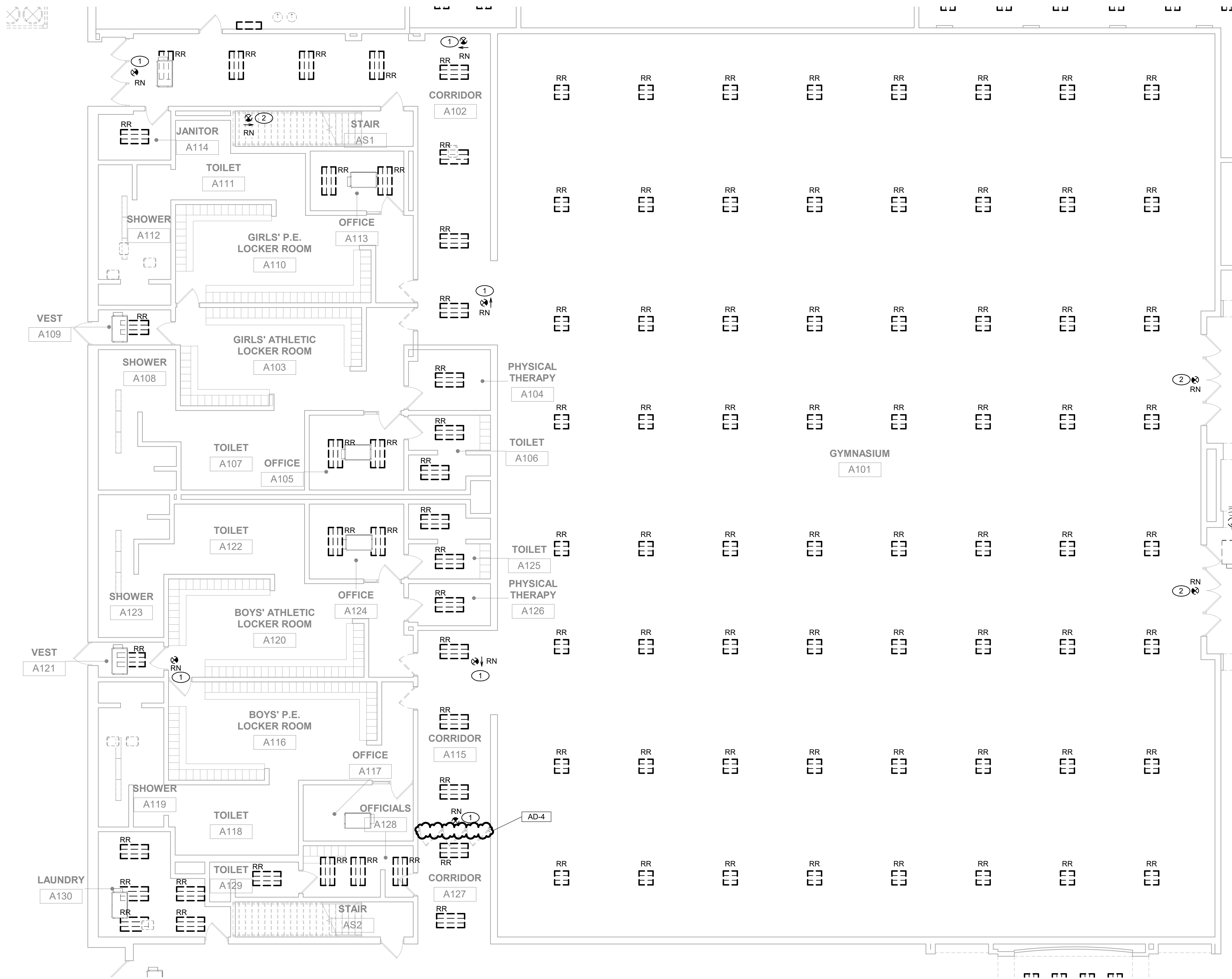
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A

ED101

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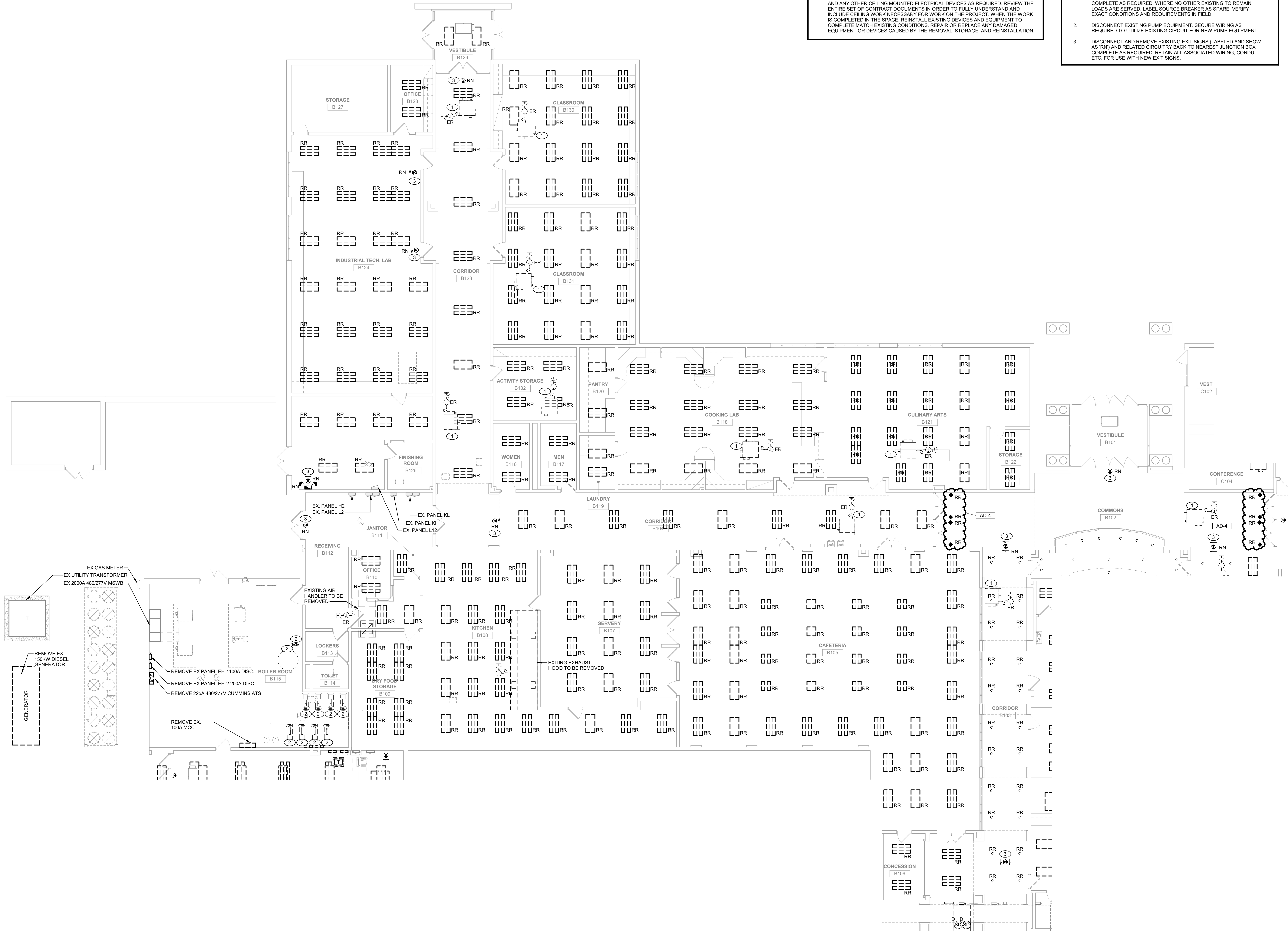


UNIT "A" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

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ED101
1/8" = 1'-0"



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1
ED102

UNIT "B" ELECTRICAL FIRST FLOOR DEMOLITION PLAN

1/8" = 1'-0"

GENERAL NOTES

1. EXISTING LIGHTING TO BE REMOVED IN AREAS OF CEILING REPLACEMENT. WHERE NECESSARY TO PERFORM MECHANICAL WORK ABOVE EXISTING CEILINGS, REMOVE, STORE, AND REINSTALL EXISTING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES, AND ANY OTHER CEILING MOUNTED ELECTRICAL DEVICES AS REQUIRED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL EXISTING DEVICES AND EQUIPMENT TO COMPLETE MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGED EQUIPMENT OR DEVICES CAUSED BY THE REMOVAL, STORAGE, AND REINSTALLATION.

SHEET NOTES

1. EXISTING FAN POWERED BOX TO BE REMOVED. DISCONNECT AND REMOVE EXISTING ELECTRICAL CIRCUITRY BACK TO SOURCE. COMPLETE AS REQUIRED. WHERE NO OTHER EXISTING TO REMAIN LOADS ARE SERVED, LABEL SOURCE BREAKER AS SPARE. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
2. DISCONNECT EXISTING PUMP EQUIPMENT. SECURE WIRING AS REQUIRED TO UTILIZE EXISTING CIRCUIT FOR NEW PUMP EQUIPMENT.
3. DISCONNECT AND REMOVE EXISTING EXIT SIGNS (LABELED AND SHOW AS RN) AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX. COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW EXIT SIGNS.



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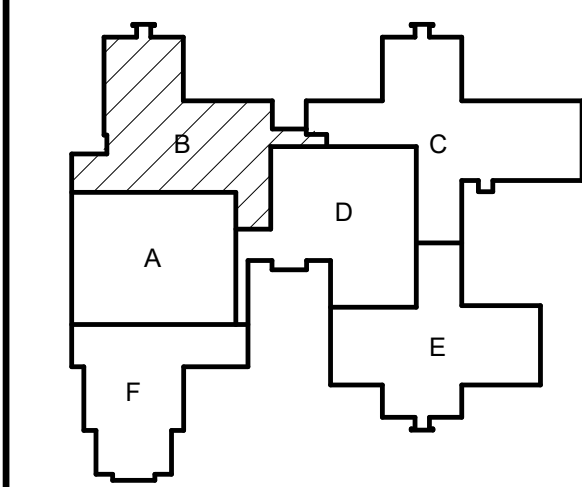


PROJECT:

**BOONE GROVE
HIGH SCHOOL
RENOVATION
AND RELATED
WORK**

PORTER TOWNSHIP SCHOOL
CORPORATION

260 S 500 W
VALPARAISO, IN 46385



KEY PLAN



100% CONSTRUCTION SET

GIBRALTAR DESIGN

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Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

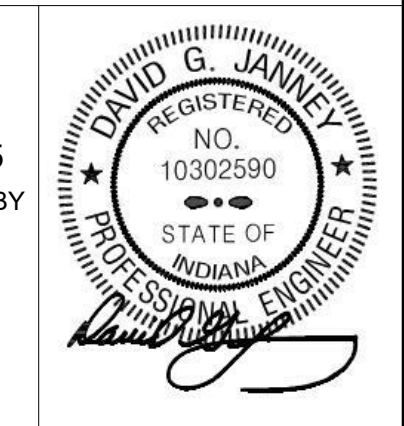
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AD-3	10/16/25	ADDENDUM NO. 3
AD-4	10/23/25	ADDENDUM NO. 4

DRAWING

UNIT "B" ELECTRICAL FIRST
FLOOR DEMOLITION PLAN

PROJECT

BOONE GROVE HIGH SCHOOL
RENOVATION AND RELATED
WORK

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B

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GENERAL NOTES

- EXISTING LIGHTING TO REMAIN UNLESS OTHERWISE NOTED. WHERE NECESSARY TO PERFORM MECHANICAL WORK ABOVE EXISTING CEILINGS, REMOVE, STORE, AND REINSTALL EXISTING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES, AND ANY OTHER CEILING MOUNTED ELECTRICAL DEVICES AS REQUIRED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL EXISTING DEVICES AND EQUIPMENT TO COMPLETE MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGED EQUIPMENT OR DEVICES CAUSED BY THE REMOVAL, STORAGE, AND REINSTALLATION.

SHEET NOTES

- CONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED. MAXIMUM 4400W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #12 AND 1 #12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.



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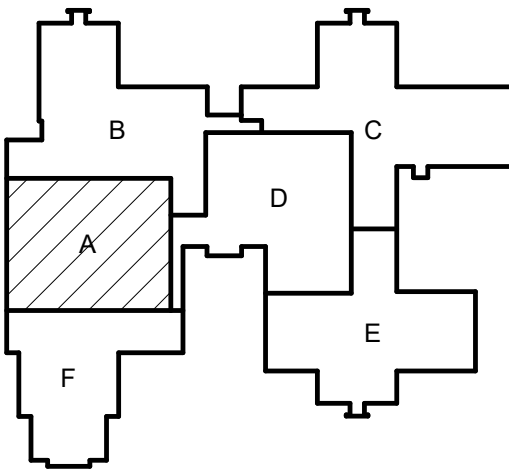


PROJECT:

**BOONE GROVE
HIGH SCHOOL
RENOVATION
AND RELATED
WORK**

PORTER TOWNSHIP SCHOOL
CORPORATION

260 S 500 W
VALPARAISO, IN 46385



KEY PLAN



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Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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MARK	DATE	ISSUED FOR
AD-3	10/16/25	ADDENDUM NO. 3
AD-4	10/23/25	ADDENDUM NO. 4

DRAWING
**UNIT "A" ELECTRICAL FIRST
FLOOR PLAN**

PROJECT
**BOONE GROVE HIGH SCHOOL
RENOVATION AND RELATED
WORK**

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A

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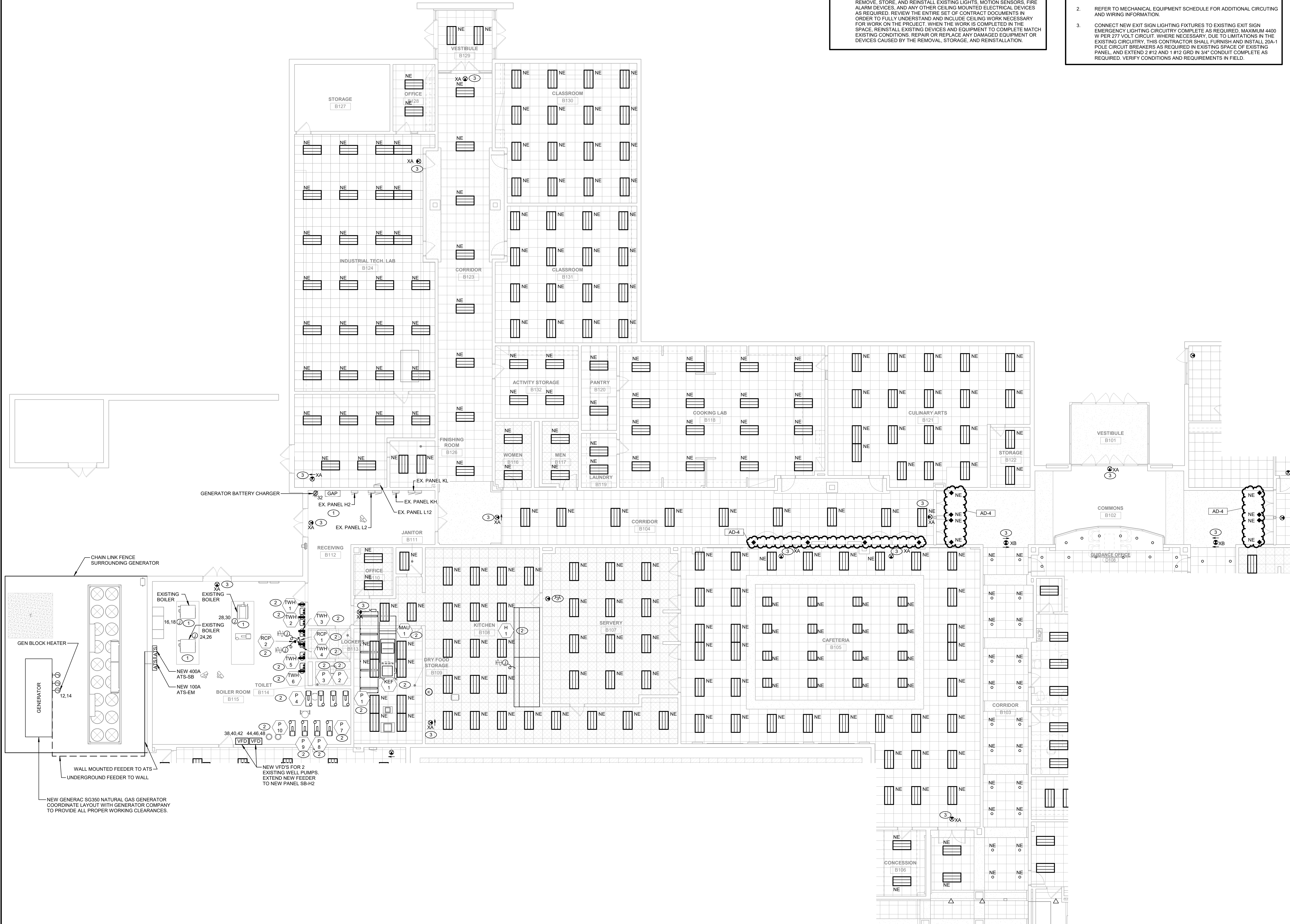


UNIT "A" ELECTRICAL FIRST FLOOR PLAN

1
E-101
1/8" = 1'-0"



UNIT "B" ELECTRICAL FIRST FLOOR PLAN



GENERAL NOTES

- EXISTING LIGHTING TO REMAIN UNLESS OTHERWISE NOTED. WHERE NECESSARY TO PERFORM MECHANICAL WORK ABOVE EXISTING CEILINGS, REMOVE, STORE, AND REINSTALL EXISTING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES, AND ANY OTHER CEILING MOUNTED ELECTRICAL DEVICES AS REQUIRED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL EXISTING DEVICES AND EQUIPMENT TO COMPLETE MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGED EQUIPMENT OR DEVICES CAUSED BY THE REMOVAL, STORAGE, AND REINSTALLATION.

SHEET NOTES

- FROM EXISTING PANEL L2 REMOVE BOILER CONNECTIONS AND RECONNECT IT TO THE NEW SB PANEL IN MEZZAZINE A.
- REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
- CONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED. MAXIMUM 4400 W PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #12 AND 1 #12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.



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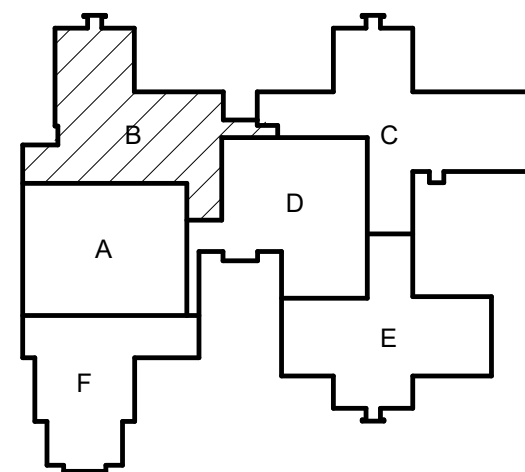


PROJECT:

**BOONE GROVE
HIGH SCHOOL
RENOVATION
AND RELATED
WORK**

PORTER TOWNSHIP SCHOOL
CORPORATION

260 S 500 W
VALPARAISO, IN 46385



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Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
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DATE

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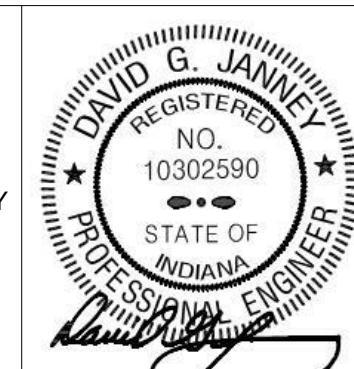
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AD-2	10/09/25	ADDENDUM NO. 2
AD-3	10/16/25	ADDENDUM NO. 3
AD-4	10/23/25	ADDENDUM NO. 4

DRAWING

UNIT "B" ELECTRICAL FIRST
FLOOR PLAN

PROJECT

BOONE GROVE HIGH SCHOOL
RENOVATION AND RELATED
WORK

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B

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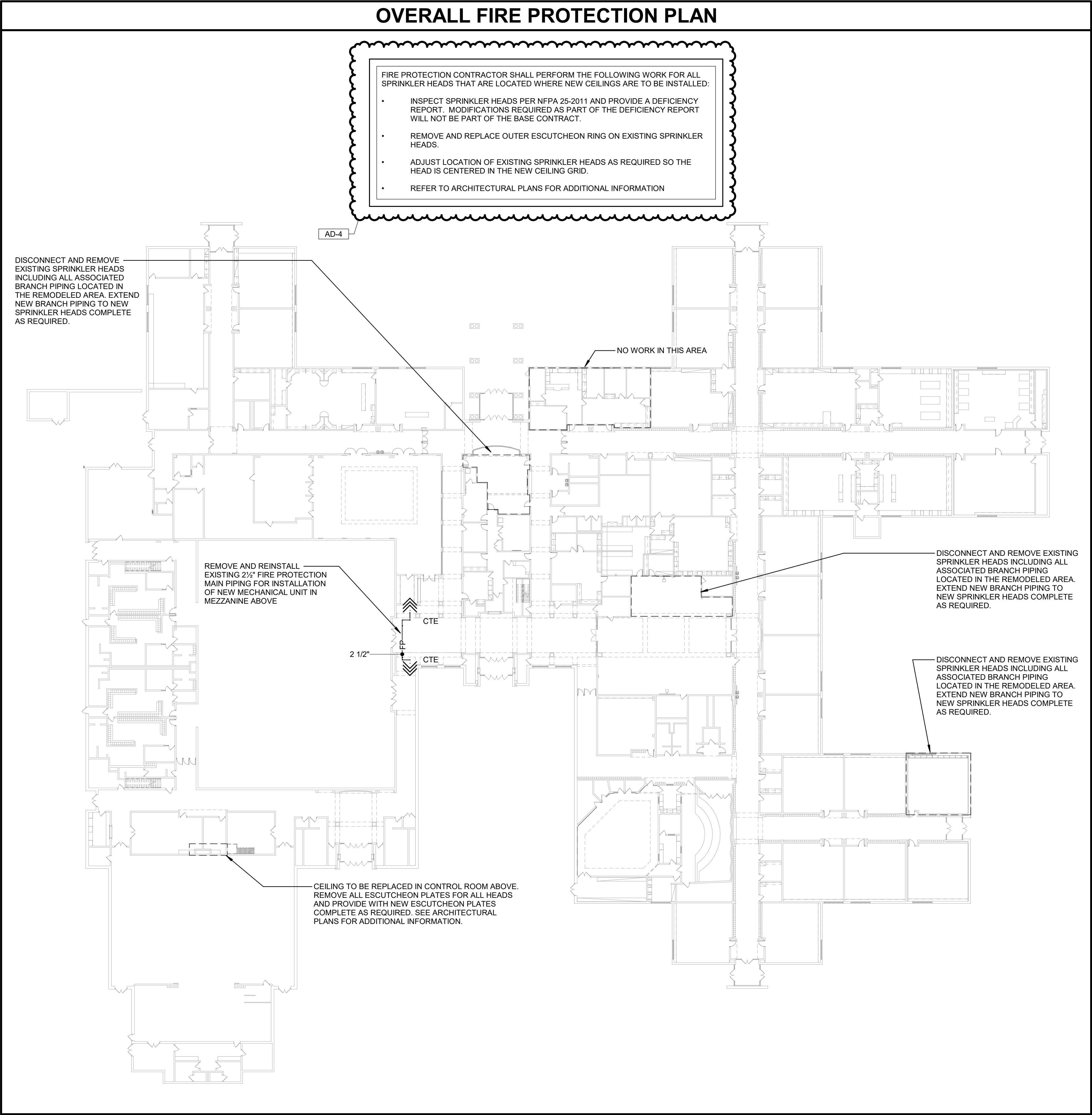
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GENERAL NOTES

- A. WORK SHALL COMPLY WITH LOCAL, MUNICIPAL, STATE FIRE PROTECTION CODES, THE LATEST NFPA 13 REQUIREMENTS.
- B. THE SCOPE OF WORK SPECIFIED HEREIN AND IN THE SPECIFICATIONS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER - REFER TO THE SCOPE OF WORK FOR EACH TRADE. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND CONSTRUCTION MANAGERS SCOPE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. THE ARCHITECT/ENGINEER'S DECISION SHALL BE FINAL.
- C. THE ENTIRE BUILDING SHALL BE FURNISHED AND INSTALLED WITH A COMPLETE AUTOMATIC SPRINKLER SYSTEM. EXISTING, REMODELED AND NEW ADDITION AREAS OF THIS BUILDING SHALL BE COVERED INCLUDING TUNNEL, ATTIC, CRAWLSPACE AND INTERSTITIAL SPACES.
- D. THE BUILDING HAS MULTIPLE OCCUPANCY CLASSIFICATIONS AND THE SPRINKLER SYSTEM SHALL BE DESIGNED FOR EACH CLASSIFICATION ACCORDING TO NFPA REQUIREMENTS. FOR PORTIONS OF THE FACILITY WITH AREAS OF DIFFERENT CLASSIFICATIONS THAT ARE NOT PHYSICALLY SEPARATED BY A BARRIER OR PARTITION, THE REQUIRED SPRINKLER PROTECTION FOR THE MORE DEMANDING AREA SHALL EXTEND 15'-0" BEYOND ITS PERIMETER.
- a. GENERAL AREAS ARE LIGHT HAZARD, 0.10 GPM/SQ.FT. FOR THE MOST REMOTE 1500 SQ.FT.
- b. KITCHEN AREA IS ORDINARY HAZARD (GROUP 1), 0.15 GPM SQ.FT. FOR THE MOST REMOTE 1500 SQ.FT.
- E. THE REMODELED AREA SHALL HAVE THE EXISTING SPRINKLER SYSTEM MODIFIED WITH NEW SPRINKLER HEADS DESIGNED TO DELIVER A DENSITY OF .10 GPM OVER THE MOST REMOTE 1500 SQ.FT. CALCULATIONS SHALL BE IN ACCORDANCE WITH THE LATEST NFPA #13 CHAPTER FOR LIGHT HAZARD.
- F. LAYOUT IS DIAGRAMMATIC. INSTALL PIPING AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING ANY WORK. SUBMIT SHOP DRAWINGS OF WORK AS PER SPECIFICATIONS.
- G. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY PIPING AND SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
- H. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT TIMES. REQUIRED SHUTDOWN OF EXISTING UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL. NOTIFY OWNER'S REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO ANY SHUTDOWN OF EXISTING SYSTEMS.
- I. FIRE PROTECTION PIPING ROUTING TO BE FIELD COORDINATED WITH NEW AND EXISTING HVAC DUCTWORK, HVAC PIPING, PLUMBING PIPING AND STRUCTURE TO ENSURE NO CONFLICTS WILL OCCUR DUE TO INTERFERENCE.
- J. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR HVAC DIFFUSER LAYOUT AND ELECTRICAL SPECIALTY DEVICES IN CONJUNCTION WITH ELECTRICAL LIGHTING, SPRINKLER HEAD LAYOUT, AND CEILING GRID SYSTEM.
- K. VISIT SITE PRIOR TO BIDDING TO DETERMINE FIELD CONDITIONS. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC., SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW FIRE PROTECTION SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED.
- L. EXISTING INFORMATION IDENTIFIED ON THE CONTRACT DOCUMENTS IS SCHEMATIC ONLY AS AN AID TO THE CONTRACTOR. PROPERLY ADDRESS EXISTING CONDITIONS FOR A COMPLETE AND PROPER INSTALLATION OF NEW SYSTEMS. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE REPORTED IN WRITTEN FORM FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
- M. HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR REQUIRED CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION.
- N. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS. EXISTING CONDUIT, PIPING, DUCTWORK, EQUIPMENT, ETC., SHALL BE REWORKED AS REQUIRED TO AVOID CONFLICTS WITH THE INSTALLATION OF THE NEW FIRE PROTECTION SYSTEMS. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED.
- O. REMOVE EXISTING CEILINGS REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING UPON COMPLETION OF WORK - REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING. GYPSUM BOARD CEILINGS PROVIDE CONCEALED CONTROL JOINT AT EDGES ABUTTING EXISTING GYPSUM BOARD CEILINGS. TAPE IN NEW AREAS TO EXISTING FLUSH - PROVIDE TEXTURE TO MATCH EXISTING.
- P. REMOVE EXISTING SPRINKLER HEADS AND ASSOCIATED BRANCH SPRINKLER PIPING COMPLETE AS REQUIRED. EXTEND AND MODIFY EXISTING PIPING AS REQUIRED FOR NEW SPRINKLER HEAD LAYOUT.
- Q. REMOVED PIPING IS TO BE TERMINATED PROPERLY BACK TO EXISTING MAINS. CAP PIPING WATERTIGHT. PROVIDE ADDITIONAL PIPING AS REQUIRED TO MAINTAIN CONTINUITY OF EXISTING SYSTEMS MODIFIED DUE TO REMOVAL OF PORTION OF SYSTEMS. NO EQUIPMENT, PIPING, SUPPORTS, HANGERS, ETC, IS TO BE LEFT ABANDONED. VERIFY QUANTITY, LOCATION AND ELEVATION OF EXISTING TO BE REMOVED IN FIELD.
- R. REMOVE EXISTING CEILINGS AND LIGHT FIXTURES REQUIRED FOR INSTALLATION OF NEW WORK. REINSTALL CEILING AND LIGHT FIXTURES UPON COMPLETION OF WORK. REPLACE DAMAGED CEILING MATERIALS TO MATCH EXISTING.
- S. CUT OR CHANNEL INTO EXISTING WALL CONSTRUCTIONS AS REQUIRED FOR INSTALLATION OF NEW PIPING WITHIN EXISTING WALLS. PATCH WALL SURFACES AND FINISH AS REQUIRED TO MATCH EXISTING CONDITIONS.
- T. SPRINKLER HEADS IN FINISHED CEILING SPACES SHALL BE SEMI-RECESSED TYPE WITH WHITE ESCUTCHEON PLATE OR CONCEALED TYPE. SPRINKLER HEADS IN UNFINISHED SPACES SHALL BE PENDENT, UPRIGHT, OR SIDEWALL TYPE.
- U. SPRINKLER HEADS LOCATED IN SUSPENDED LAY-IN CEILING SYSTEMS SHALL BE CENTERED IN EACH RESPECTIVE TILE. PROVIDE 6" SWINGS TO PLACE THE SPRINKLER IN THE CENTER OF THE TILE.
- V. PIPING SHALL BE HYDROSTATICALLY TESTED AT 200 PSI OR 50 PSI OVER THE MAXIMUM OPERATING PRESSURE, WHICHEVER IS GREATER, FOR A PERIOD OF TWO HOURS.
- W. PIPES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN ACCORDANCE WITH THE LATEST NFPA #13.
- X. PIPING, EQUIPMENT, ETC. SHALL NOT BE SUPPORTED FROM THE BOTTOM CHORD OF ENGINEERED JOISTS WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- Y. WET SYSTEM PIPING SHALL BE INSTALLED LEVEL, TO DRAIN BACK TO THE SYSTEM RISER. TRAPPED SECTIONS OF PIPING SHALL HAVE AUXILIARY DRAIN CONNECTIONS IN ACCORDANCE WITH LATEST NFPA #13.
- Z. PROVIDE EXTENDED COVERAGE HEADS IN CORRIDORS WIDER THAN 15'-0".

SYMBOLS & ABBREVIATIONS LIST

- CONCEALED TYPE SPRINKLER HEAD WITH WHITE COVER PLATE
- SEMI-RECESSED TYPE SPRINKLER HEAD WITH WHITE ESCUTCHEON PLATE
- ✕ EXPOSED UPRIGHT OR PENDANT TYPE SPRINKLER HEAD
- FP — FIRE PROTECTION PIPING
- PIPING ROUTED DN
- PIPING ROUTED UP
- PIPING ROUTED UP
- FP FIRE PROTECTION



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PROJECT:

**BOONE GROVE
HIGH SCHOOL
RENOVATION
AND RELATED
WORK**

PORTER TOWNSHIP SCHOOL
CORPORATION

260 S 500 W
VALPARAISO, IN 46385

100% CONSTRUCTION SET

GIBALTAR 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

24-143

DATE

Sept 15, 2025

COORDINATED BY

LvB

DRAWN BY

CC

CHECKED BY

DJ



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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	10/09/25	ADDENDUM NO. 2
AD-3	10/16/25	ADDENDUM NO. 3
AD-4	10/23/25	ADDENDUM NO. 4

DRAWING

**FIRE PROTECTIN NOTES,
SYMBOLS & ABBREVIATIONS**

PROJECT

**BOONE GROVE HIGH SCHOOL
RENOVATION AND RELATED
WORK**

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