

DRAWING NOTES:

- 1. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL DEVICES, LOW VOLTAGE SYSTEMS, LIGHTING, CONTROLS ETC. ALL ASSOCIATED CONDUIT AND WIRING SHALL BE REMOVED. ALL EXISTING LOW VOLTAGE DATA/VOICE CABLING RUN THROUGH THE RENOVATED SPACE TO THE EXISTING DATA CABINET LOCATED IN OFFICE 219 SHALL REMAIN UNLESS THE CABLE(S) RUN TO OUTLETS WITHIN THE RENOVATED SPACE THAT ARE BEING REMOVED.
- 2. RELOCATE EXISTING FIRE ALARM PULL STATION TO ALLOW NEW DOOR OPENING IN WALL. MODIFY/EXTEND WIRING AS REQUIRED. SEE DWG. E-3 FOR NEW LOCATION.
- 3. EXISTING DATA RACK AND POWER RECEPTACLES TO REMAIN.
- 4. DISCONNECT AND REMOVE EXISTING RECESSED PANEL INCLUDING BACKBOX. EXISTING FEEDER AND BRANCH CIRCUITS TO REMAIN AND CONNECTED IN NEW PANEL. INSTALL NEW LARGER PANEL IN EXISTING OPENING (FLUSH IN WALL) CUT AND PATCH WALL AS REQUIRED TO MATCH EXISTING CONDITIONS. TYPICAL FOR FIRST FLOOR PANEL LOCATED DIRECTLY BELOW ON FIRST FLOOR. REFER TO PANEL SCHEDULES ON DWG E-3 FOR ADDITIONAL INFO. REFER TO DWG. E-4 FOR PANEL 1A LOCATION. PAINT DISTURBED AREA TO MATCH ADJACENT SURFACE.

PROJECT DEMOLITION NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING REVIEWING THE EXISTING FACILITY AND ALL CONTRACT DRAWINGS TO DETERMINE THE EXTENT OF THE ELECTRICAL DEMOLITION WORK. THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WITH ALL TRADES. THE CONTRACTOR SHALL FULLY UNDERSTAND THE DEMOLITION SCOPE. NO CHANGE ORDERS WILL BE PERMITTED FOR DEMOLITION AFTER AWARD OF BID. ELECTRICAL DEMOLITION SHALL INCLUDE ALL WORK AS OUTLINED BELOW. COORDINATE ALL DEMOLITION WITH CONSTRUCTION SCHEDULE.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE PLUMBING, HEATING AND ARCHITECTURAL DRAWINGS FOR THE EQUIPMENT BEING REMOVED. ALL EXISTING PLUMBING, HEATING AND ARCHITECTURAL EQUIPMENT ON THOSE DRAWINGS INDICATED TO BE REMOVED, SHALL BE ELECTRICALLY DISCONNECTED BY THE ELECTRICAL CONTRACTOR. ALL EXISTING PLUMBING, HEATING AND ARCHITECTURAL EQUIPMENT SHOWN ON THOSE DRAWINGS TO REMAIN, SHALL REMAIN ELECTRICALLY CONNECTED UNLESS NOTED OTHERWISE ON THE ELECTRICAL DRAWINGS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL OF THE ARCHITECTURAL CASEWORK DRAWINGS. EXISTING DEVICES THAT FALL BEHIND NEW CASEWORK SHALL BE DISCONNECTED, REMOVED AND A BLANK COVER PLATE INSTALLED. REROUTE EXISTING CIRCUIT AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY.
- 4. REMOVE ALL EXISTING CONDUIT AND WIRING BEING ABANDONED.
- 5. RELOCATE OR EXTEND EXISTING CIRCUITS NOT BEING ABANDONED, AS REQUIRED ON A PERMANENT BASIS TO ACCOMMODATE NEW WORK AND MAINTAIN CIRCUIT INTEGRITY.
- 6. CONTRACTOR SHALL PATCH WALLS, FLOORS, CEILINGS, ETC. TO MATCH ADJACENT SURFACES WHERE EXISTING EQUIPMENT IS BEING REMOVED. PATCHING SHALL BE PROVIDED FOR ALL OPENINGS, INCLUDING, BUT NOT LIMITED TO OPENINGS FOR CONDUITS, BOXES, ANCHORS, ETC. PATCHING SHALL INCLUDE EVERYTHING, EXCEPT FINAL FINISH. IN LIEU OF PATCHING, CONTRACTOR MAY USE BLANK WALL PLATES FOR STANDARD SIZE SINGLE AND MULTI-GANG DEVICE BOXES (I.E., SWITCH AND RECEPTACLE BOXES). COVER PLATES SHALL MATCH OTHER DEVICE PLATES IN THE AREA IN BOTH MATERIAL AND FINISH. CONTRACTOR SHALL REMOVE ALL RECESSED BOXES FOR LARGER NON-STANDARD SIZE BOXES (I.E., FIRE ALARM PULLS AND BELLS, CLOCKS, SPEAKERS, PANELBOARDS, ETC.) AND PATCH SURFACES.
- 7. THE OWNER SHALL HAVE FIRST CHOICE OF ANY EXISTING EQUIPMENT OR MATERIALS BEING REMOVED. THE CONTRACTOR SHALL DELIVER ITEMS TO BE SALVAGED BY THE OWNER TO DESIGNATED STORAGE AREA ON THE JOB SITE. ALL EQUIPMENT AND MATERIALS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL REMOVE THESE ITEMS FROM THE SITE AND PROPERLY DISPOSE OF THEM.
- 8. THE CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED WIRING IN AREAS WHERE NEW FIXTURES ARE SHOWN OR OTHERWISE NOTED.
- 9. WHERE DEMOLISHED ITEMS REVEAL UNEVEN CONSTRUCTION, INTERRUPTED FINISHES, ATTACHMENT HOLES AND OTHER CONDITIONS THAT DO NOT MATCH EXISTING ADJACENT FINISH CONSTRUCTION, PATCH TO MATCH EXISTING ADJACENT FINISHES.

REVISIONS BY

CONSOLIDATED

INGINEERS

022 James Drive



HERN MIDDLE SCHOOL LIBRARY RENCFORTHE
READING SCHOOL DISTRICT

ARTIAL SECOND FLOOF PLAN - ELECTRICAL DEMOLITION

DRAWN
RK
CHECKED
JS
DATE
2-18-2022
SCALE
AS NOTED
JOB NO.
2842-1

F_1

E-2



THE APPROVED SUBSTITUTES ARE APPROVED AS MANUFACTURERS ONLY. FIXTURES MUST MEET DRAWING AND SPECIFICATION REQUIREMENTS. LIGHTING FIXTURE SCHEDULE WATTS VOLTS MOUNTING TYPE MANUFACTURER CATALOG NUMBER APPROVED SUBSTITUTES 40 UNV. RECESSED NOTE 1 NOTE 1 FIELD ADJUST LUMEN COLOR TO 3500K A ATLAS LIGHTING FAELP-22-40-LED-U MVOLT CHAIN HUNG METALUX DAY BRITE ZLIN-LED-L24-1500LM-FST-35K 80CR1-WH B LITHONIA 15 MVOLT UNIVERSAL METALUX DAY BRITE TLEIR C LITHONIA

LIGHTING FIXTURE SCHEDULE NOTES:

1. OWNER REQUIRED LIGHT FIXTURE, NOT TO BE SUBSTITUTED.

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COM					A _b A _b A _b
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HEALTH 214	CORR 2/3	6R	ELEY		CIRCUIT NUMBER FOR AREA/ ROOM SERVED (TYP.)
		TOI 220			AIR 'C' 23
TOILÉT (214A)			222 L		
	FE			CL RM	
RSRC RM 221					
			PARTIA	AL SECOND FLOOR - LIC	GHTING PLAN

DRAWING NOTES:

- CONNECT EXIT SIGN TO NEAREST EXISTING CORRIDOR NORMAL/ EMERGENCY (24/7) LIGHTING CIRCUIT. (TYP. TYPE 'E' EXIT SIGN.)
- CONNECT LIGHT FIXTURE TO NEAREST EXISTING CORRIDOR NORMAL/ EMERGENCY (24/7) LIGHTING CIRCUIT.

ELECTRICAL LEGEND

(REFER TO SPECIFICATIONS FOR MORE INFORMATION) NOTE: DIMENSIONS ARE TO CENTER OF DEVICE, UNO.

LIGHTING FIXTURES

(REFER TO LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND TYPE)

SYMBOL DESCRIPTION

LED LIGHTING FIXTURE.

LIGHTING FIXTURE - NORMAL AND EMERGENCY POWER.

LED LIGHTING FIXTURE

- EXIT LIGHTING FIXTURE - NORMAL AND EMERGENCY POWER - ARROW(S) INDICATE DIRECTIONAL MARKERS.

- PHANTOM SYMBOL INDICATES EXISTING ITEM OR AS NOTED ON DRAWINGS.

SWITCHES

SYMBOL DESCRIPTION

SINGLE POLE SWITCH — 20 AMP — MOUNT 46" AFF.

- THREE WAY LIGHT SWITCH - 20 AMP - MOUNT 46" AFF.

FOUR WAY LIGHT SWITCH — 20 AMP — MOUNT 46" AFF.

 KEY OPERATED LIGHT SWITCH — 20 AMP — MOUNT 46" AFF. - SUB-LETTERS INDICATE INDIVIDUAL FIXTURE WIRING CONTROL- MOUNT 46" AFF.

- LIGHT SWITCH WITH PILOT LIGHT - 20 AMP - SIMILAR TO P&S PS20AC2-RPL SERIES - MOUNT 46" AFF.

WIRELESS DIMMER LIGHT SWITCH - LUTRON PICO WIRELESS REMOTE - CAT NO. PJZ-3BRL-GWH-LO1 - PROVIDE WITH POWER PACK ABOVE CEILING TO COMUNICATE WITH WIRELESS OCCUPANCY SENSORS. PROVIDE REQUIRED POWER AND LOW VOLTAGE WIRING - POWERPACK SHALL BE LUTRON CAT NO.

RMJS-8T-DV-B. OCCUPANCY SENSING WALL SWITCH - MOUNT 46" AFF.

WIRELESS CEILING OCCUPANCY SENSOR - LUTRON WIRELESS OCCUPANCY SENSOR - CAT NO. LRF2-OCR2B-P-WH

WIRELESS CEILING DAY-LIGHT SENSOR, LUTRON PICO WIRELESS SYSTEM. LRF2-DCRB-P-WH

RECEPTACLES

DUPLEX RECEPTACLE - 20 AMP - 120 VOLT 18" AFF.

- GROUND FAULT RECEPTACLE - INDIVIDUAL TYPE - 18" ABOVE FINISHED FLOOR.

- DUPLEX RECEPTACLE (WITH 'WR' LABEL) WITH WEATHER PROOF COVER - FLUSH - 18" AFF.

<u>EQUIPMENT</u>

SYMBOL <u>DESCRIPTION</u>

JUNCTION BOX - PROVIDE FINAL CONNECTION TO EQUIPMENT.

- MOTOR - SIZE AND TYPE AS INDICATED - BY OTHERS. PROVIDE FINAL CONNECTIONS. - MOTOR CONTROLLER - BY OTHERS. PROVIDE FINAL CONNECTIONS.

PANELBOARD.

EXISTING PANELBOARD.

 THERMAL SWITCH MANUAL STARTER WITH THERMAL PROTECTION AND HAND/AUTO SWITCH TO ALLOW STARTER CONTROL FROM REMOTE SOURCE. HAND/AUTO SWITCH ONLY REQUIRED FOR RE-CIRCULATING PUMPS. SQUARE D CLASS 2510 SERIES WITH HANDLE GUARD/LOCK OFF ATTACHMENT MOUNT ON OR ADJACENT TO EQUIPMENT.

— NON-FUSED DISCONNECT SWITCH — SIZE AND TYPE INDICATED.

- FUSED DISCONNECT SWITCH - SIZE AND TYPE INDICATED (PROVIDE FUSES AS PER EQUIPMENT MANUFACTURERS REQUIREMENTS).

- COMBINATION STARTER/DISCONNECT SWITCH - SIZE 1 U.N.O. - PROVIDED BY E.C. - 60" TO HANDLE. - VARIABLE FREQUENCY DRIVE - FURNISHED BY OTHERS. INSTALL DRIVE AND PROVIDE FINAL CONNECTIONS.

- EXHAUST FAN - ROOF MOUNTED - PROVIDED BY OTHERS. PROVIDE FINAL CONNECTIONS.



SYMBOL DESCRIPTION

- 8" ROUND RECESSED SOUND SYSTEM SPEAKER - CEILING MOUNTED (PAGING SYSTEM). PROVIDE WIRING AND CONNECTIONS TO EXISTING TELECOR II SYSTEM.

- 12" 110V WALL WIRELESS CORRECTING CLOCK- RECESSED IN WALL- PROVIDE CONNECTIONS AND WIRING TO TELECOR II SYSTEM. PROVIDE SURFACE CLOCKS WHERE REQUIRED. CONNECT TO NEAREST UNSWITCHED 120V CIRCUIT.

FIRE ALARM SYSTEM

<u>DESCRIPTION</u>

FIRE ALARM AUDIO UNIT — (FLUSH CEILING).

 FIRE ALARM VISUAL UNIT (FLUSH CEILING) COMBINATION FIRE ALARM AUDIO/ VISUAL UNIT, CEILING MOUNT— WHITE.

SMOKE DETECTOR.

FACP FIRE ALARM CONTROL PANEL.

F FIRE ALARM PULL STATION.

SYMBOL DESCRIPTION

HOMERUN TO APPLICABLE PANEL - WIRING SHALL BE 2#12 AWG WITH SEPARATE GROUND WIRE IN 3/4" CONDUIT UNLESS OTHERWISE NOTED.

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

RECEPTACLES.

DRAWING NOTES:

SWITCH LOCATION W/H.C. IN FIELD.

1. CUT RECEPTACLE BOX INTO EXISTING WALL. FISH WIRE OR RUN NEW WIRING IN

3. PROVIDE MISCELLANEOUS STEEL TO MOUNT EQUIPMENT TO.

CEILING PLENUM. ADD 3P-90A CIRCUIT BREAKER.

LIBRARY COMPUTER ROOM FURRED OUT SIDE OF WALL TYPICAL FOR COUNTER

2. EXISTING DATA RACK TO REMAIN. E.C. SHALL PROTECT RACK DURING CONSTRUCTION.

4. RUN 3 #1W/#6GRD. 1-1/2" CONDUIT TO EXISTING PANEL 'G1' ABOVE ACCESSIBLE

5. E.C SHALL CONNECT TO UNIT VENT INTERNAL MAIN DISCONNECT (PROVIDE IN UNIT BY H.C.) E.C. SHALL EXTEND WIRING INSIDE UNIT AND PROVIDE 2-POLE TOGGLE

6. EXH. FAN SPEED CONTROL SWITCH (PROVIDED BY H.C.) WIRED BY E.C. COORDINATE

TYPE DISCONNECT AND PROVIDE SECOND 208V CONNECTION INTERNALLY.

NE— NORMAL/ EMERGENCY LIGHTING CIRCUIT. 1 — INDICATES DRAWING NOTE NUMBER.

ABBREVIATIONS

<u>DESCRIPTION</u>

ABOVE FINISHED FLOOR

 ABOVE FINISHED GRADE CONDENSING UNIT — BY OTHERS. PROVIDE FINAL CONNECTIONS.

EXHAUST FAN — BY OTHERS. PROVIDE FINAL CONNECTIONS.

 NON FUSED DISCONNECT SWITCH FUSED DISCONNECT SWITCH

SQUARE D NQ

WITH GRD. BAR & 100% RATED NEUTRAL										10,00	
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_ DISCONNECT EXISTING CIRCUIT AND RECONNECT IN NEW PANEL. E.C. SHALL VERIFY ALL EXISTING CIRCUIT BREAKER IN FIELD PRIOR TO ORDERING PANEL. MODIFY/ EXTEND EXISTING WIRING AS REQUIRED.

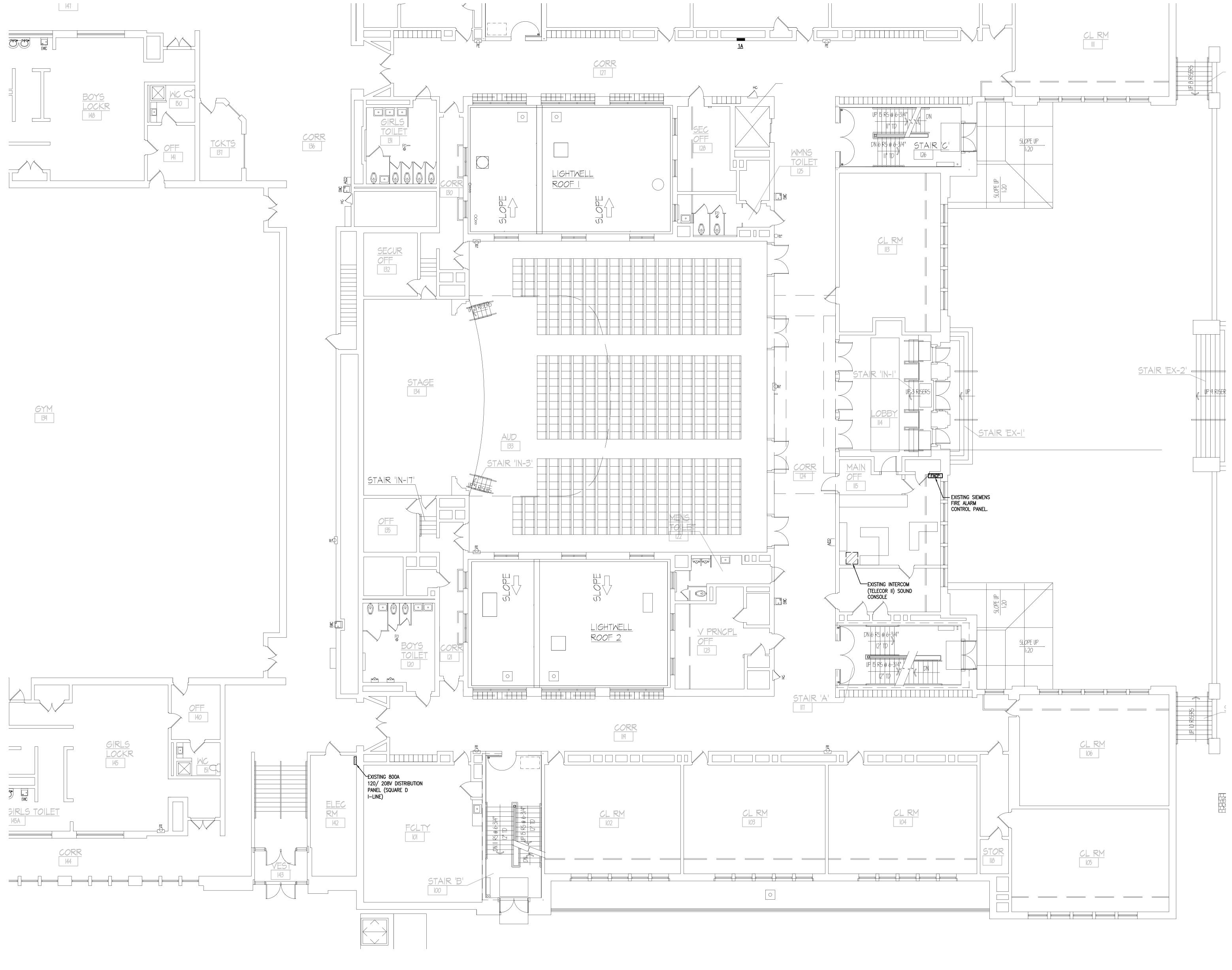
PANEL 2A MAINS VOLTS 120/240										
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DISCONNECT EXISTING CIRCUIT AND RECONNECT IN NEW PANEL. E.C. SHALL VERIFY ALL EXISTING CIRCUIT BREAKER SIZES IN FIELD PRIOR TO ORDERING PANEL. MODIFY/ EXTEND EXISTING WIRING AS REQUIRED.

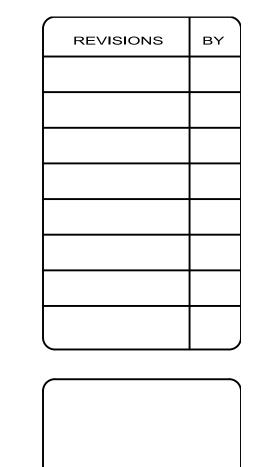
 \star – DISCONNECT EXISTING FEEDER AND RECONNECT IN NEW PANEL. MODIFY/ EXTEND EXISTING FEEDOR AS REQUIRED.

REVISIONS

drawn RK	
CHECKED JS	
DATE 2–18–2022	
SCALE AS NOTED	
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FOR THE FOR THE READING SCHOOL DISTRICT

RTIAL FIRST FLOOR PLAN -POWER

DRAWN
RK
CHECKED
JS
DATE
2-18-2022
SCALE
AS NOTED
JOB NO.
2842-1
SHEET