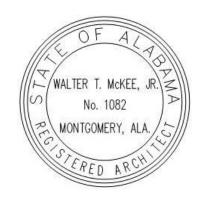


Addendum No. 5
Date: November 29, 2022

Project:

Classroom Addition for Union Hill School for the Morgan County Schools Somerville, Alabama



MCKEE PROJECT NO. 22.134 ALABAMA DIVISION OF CONSTRUCTION MANAGEMENT NO. 2022222

The following changes and/or substitutions to the plans and specifications are hereby made a part of same and are incorporated in full force as part of the contract.

Bidders shall acknowledge receipt of this Addendum in writing on his Proposal Form.

A5.1 GENERAL MODIFICATIONS:

A. NONE

A5.2 SPECIFICATION MODIFICATIONS:

A. NONE

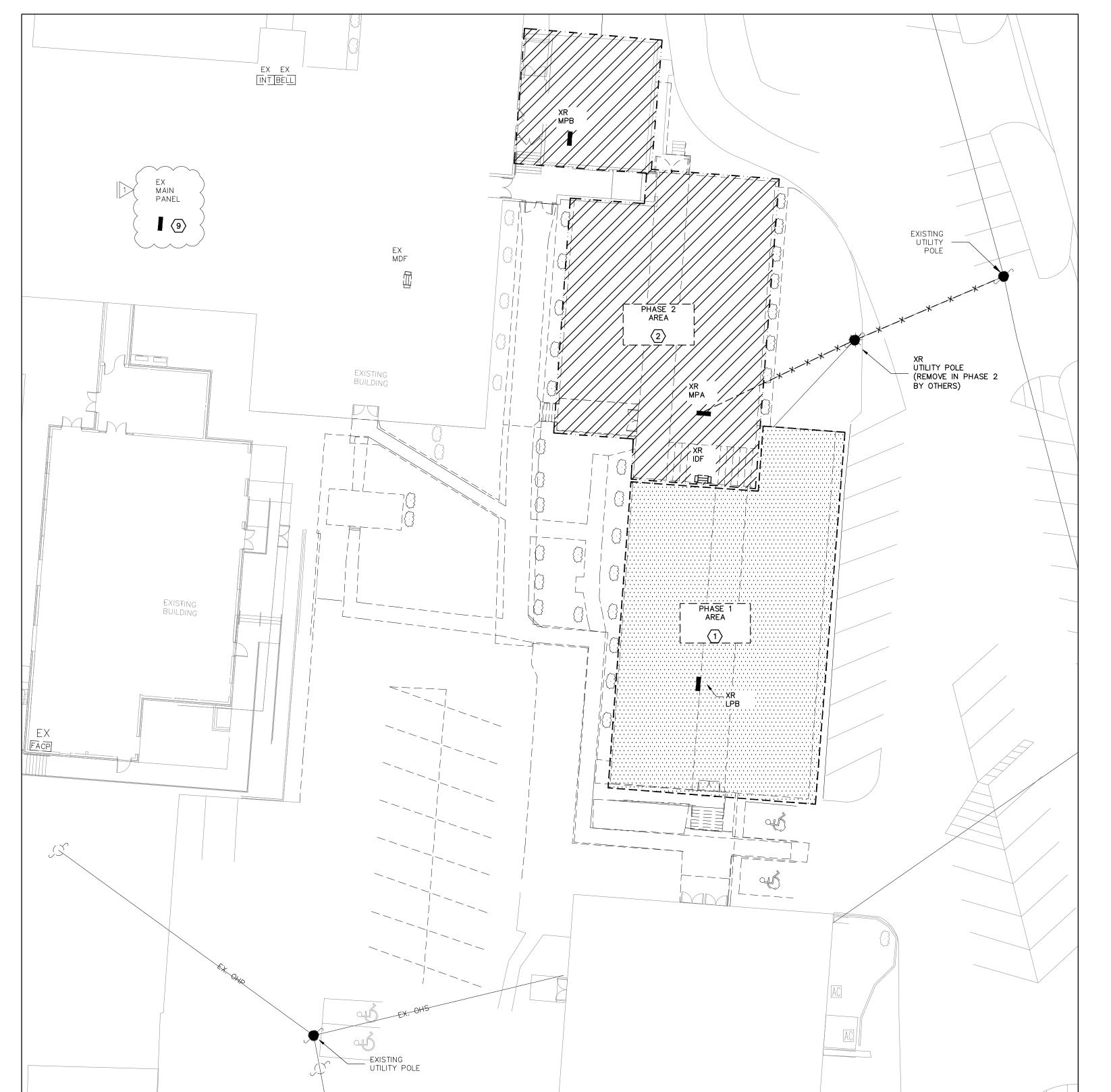
A5.3 DRAWING MODIFICATIONS:

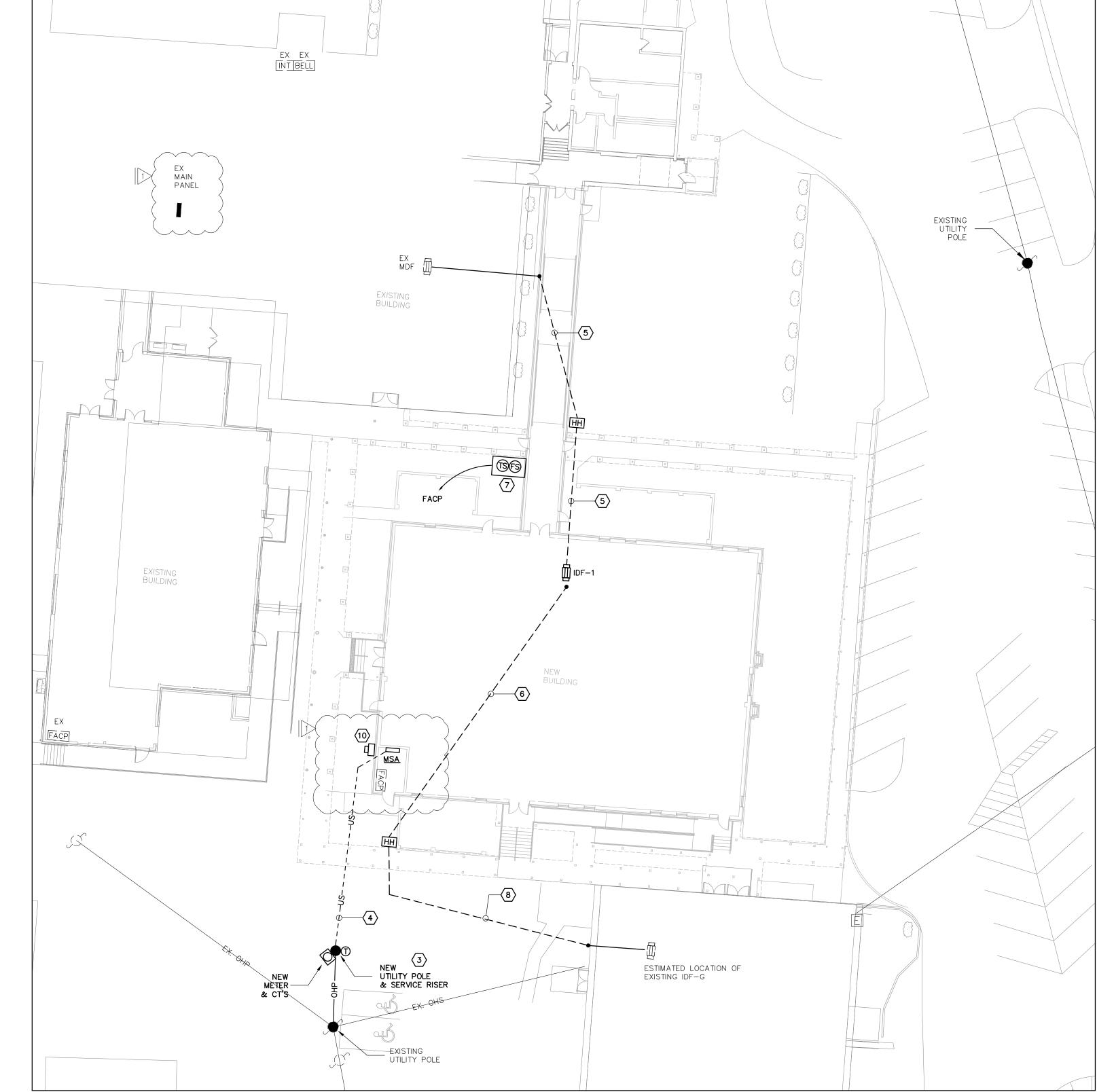
- A. See the attached Revised Drawings as follows:
 - 1. Sheets **E1.1**, **E2.1**, **E2.2**, **E3.1**, **E4.1**, **E4.2**, **E5.1**, **E5.3**, **E7.1**, **and E8.2**, all **revised 11.29.2022**, herein.

A5.4 CLARIFICATIONS AND RESPONSES

A. NONE

END OF ADDENDUM









- THE UNDERGROUND UTILITY PORTION OF THIS PROJECT CONSISTS OF BUT IS NOT LIMITED TO:
 a. TRENCHING/BACKFILLING FOR DUCT LINES AND CONDUIT SYSTEMS
 b. LOW VOLTAGE CONDUCTOR INSTALLATION
 c. PATCH/REPAIR ALL DAMAGED SURFACES AS A RESULT OF DUCTLINE INSTALLATIONS
- 2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE NATIONAL ELECTRICAL CODE (NEC).
- 3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, SUPPORTS, FRAMES, CASES, CONDUIT SYSTEMS AND SURGE ARRESTORS, CABLE SHEATHS, CABLE SHIELDS, COMMON NEUTRALS, ETC., SHALL BE GROUNDED. UNLESS NOTED OTHERWISE CONNECTIONS BELOW GRADE SHALL BE FUSION—WELDED AND ABOVE GRADE FUSION—WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
- 4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
- 5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
- 6. UNLESS OTHERWISE SHOWN OR DIRECTED DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES. WHERE DUCT LINES ARE REQUIRED TO CROSS OTHER UTILITIES SUCH AS SEWERS, WATER LINES, OTHER POWER LINES, COMMUNICATION LINES, ETC., ADEQUATE SUPPORT SHALL BE PROVIDED ON EACH SIDE OF THE CROSSING TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE OTHER LINE. DUCT LINES SHALL BE SO INSTALLED AS TO PREVENT HEAT TRANSFER BETWEEN ANY HEAT PRODUCING LINES AND/OR EQUIPMENT TO DUCT LINES.
- a. ROUTING SHOWN ON DRAWINGS IS TYPICAL AND THE CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED UPON ACTUAL FIELD DIMENSIONS, CONDITIONS AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES. b. PRIOR TO TRENCHING, THE CONTRACTOR SHALL STAKE OUT THE ENTIRE NETWORK ARRANGEMENT. ONE GRADE A WOODEN STAKE WITH RED FLAG SHALL BE DRIVEN EVERY 50'-0" AND AT EACH CHANGE OF DIRECTION. FOUR STAKES SHALL BE DRIVEN TO OUTLINE EQUIPMENT AND/OR MANHOLE LOCATIONS. ON PAVEMENTS RED PAINT SHALL BE USED TO OUTLINE THE AREAS TO BE CUT. SECURE EXISTING UNDERGROUND UTILITY INFORMATION FROM THE CONTRACTING OFFICER PRIOR TO PERFORMING ANY TRENCHING.
- c. DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, COMPENSATIONS FOR RADIUS OF VERTICAL TRANSITIONS, EXISTING UTILITY CROSSINGS, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED. TRENCHES SHALL BE OVER-EXCAVATED AS NECESSARY TO ALLOW FOR PROPER TRENCH PREPARATION, DUCT BANK CONSTRUCTION, FORMING AND/OR BACKFILLING REQUIREMENTS. d. ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH GEOTECHNICAL REPORT AND DIVISION 200.

SITE LEGEND

-- OHP--- OVERHEAD ELECTRICAL BY UTILITY

- -OHS- - - OVERHEAD SECONDARY

——UC—— UNDERGROUND COMMUNICATION

- - -OC- - - OVERHEAD COMMUNICATION ——UG—— UNDERGROUND BRANCH CIRCUITING ——OH——OVERHEAD BRANCH CIRCUITING

Tx PAD MOUNTED TRANSFORMER POLE MOUNTED TRANSFORMER

UTILITY POLE

UTILITY POLE WITH UTILITY FLOOD LIGHT

UNDERGROUND PULLBOX: <u>HIGHLINE</u> NO. PHA243624HM2-MOO. PROVIDE WITH COVER LABELED "COMMUNICATION"

GENERAL NOTES:

- 1. LOCATIONS OF RISER POLES, AND TRANSFORMERS SHALL BE COORDINATED PRIOR TO BIDS. ADJUST FEEDER AND CONDUIT LENGTHS ACCORDINGLY. PAY ALL UTILITY COMPANY FEES. BID ACCORDINGLY.
- 2. ALL UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE. PRIMARY CONDUIT SHALL BE MINIMUM 48" BELOW GRADE. 3. ALL ROUTING IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
- 4. CONTRACTOR SHALL LABEL ALL CONDUITS ENTERING BACKBOARDS.

SHEET NOTES:

- REMOVE ALL LIGHTING, POWER, AND AUXILIARY IN PHASE 1 AREA. PHASE 2 AREA IS TO BE MAINTAINED AND IN OPERATION DURING
- 2 UPON COMPLETION OF PHASE 1 AREA WORK, REMOVE ALL LIGHTING, POWER, AND AUXILIARY IN PHASE 2 AREA.
- COORDINATE WITH UTILITY COMPANY FOR SPECIFIC LOCATION AND REQUIREMENTS OF POLE MOUNTED TRANSFORMER. SEE POWER RISER DIAGRAM SHEET E7.1 FOR FURTHER REQUIREMENTS.
- PROVIDE SECONDARY CONDUCTORS AS INDICATED ON RISER DIAGRAM SHEET E7.1.
- PROVIDE CONDUIT BELOW GRADE FROM NEW IDF TO EXISTING MDF IN LIBRARY. VERIFY ROUTE PRIOR TO BID. SEE E8.2 FOR ADDITIONAL INFORMATION
- EXTEND TWO (2) 2" EC FROM BELOW GRADE IN CORNER OF IDF ROOM TO CORNER OF ELEC ROOM FOR FUTURE. INCLUDE GROMMET & PULL STRING IN EACH CONDUIT
- PROVIDE WEATHERPROOF DEVICES FOR MONITORING OF FIRE PROTECTION EQUIPMENT. ALL CIRCUITS INTO BUILDING SHALL HAVE SURGE PROTECTION. VERIFY LOCATION. 8 EXTEND CONDUIT BELOW GRADE FROM IN-GRADE BOX TO EXISTING GYM. EXTEND CONDUIT UP GYM WALL AND THROUGH WALL TO
- EXISTING IDF-G WITH FIBER. SEE SHEET E8.2 FOR ADDITIONAL INFORMATION. PROVIDE PERMANENT SERVICE PLAQUE AT EXISTING SERVICE ENTRANCE INDICATING "1 OF 2 SERVICES TO SCHOOL BUILDINGS".

BUILDINGS". ADDITIONAL INFORMATION SHALL MEET ALL NEC REQUIREMENTS INCLUDING NEC 230.2(E).

ADDITIONAL INFORMATION SHALL MEET ALL NEC REQUIREMENTS INCLUDING NEC 230.2(E). PROVIDE PERMANENT SERVICE PLAQUE AT NEW SERVICE ENTRANCE E-STOP BUTTON INDICATING "2 OF 2 SERVICES TO SCHOOL

1'' = 20'-00 GRAPHIC SCALE

Gunn & Associates, P.C. Consulting Engineers 3102 Highway 14 1200 Providence Park, Suite 200 Millbrook, AL 36054 Birmingham, AL 35242 Tel: 334.285.1273 GA#22-065

SITE PLAN-**ELECTRICAL** DEMOLITION

& NEW WORK MCKEE JOB #: 22-134

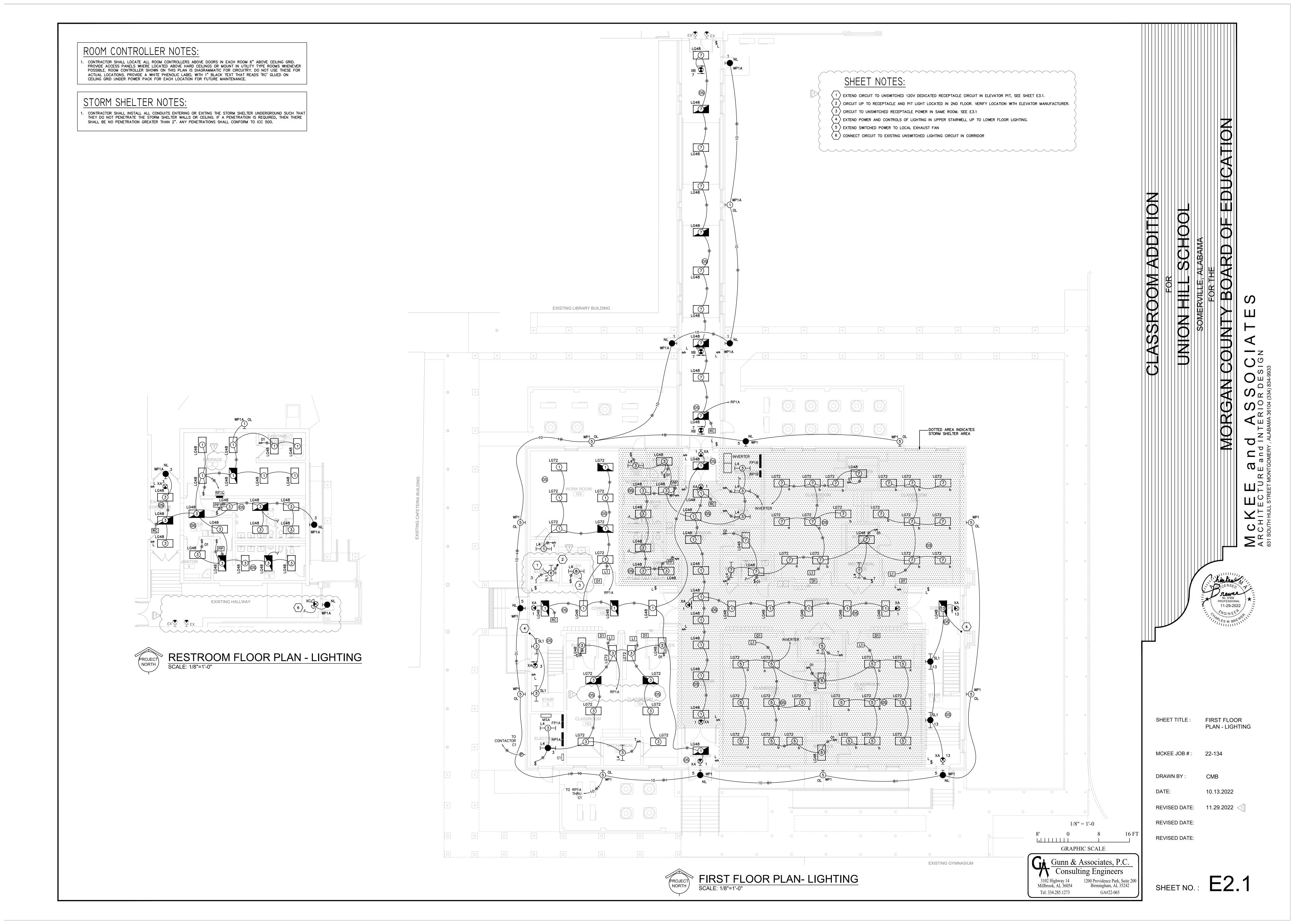
DRAWN BY CMB DATE: 10.13.2022

11.29.2022 < REVISED DATE:

REVISED DATE:

REVISED DATE:

SHEET NO.:



ROOM CONTROLLER NOTES:

1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLER SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABEL WITH 1" BLACK TEXT THAT READS 'RC' GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

STORM SHELTER NOTES:

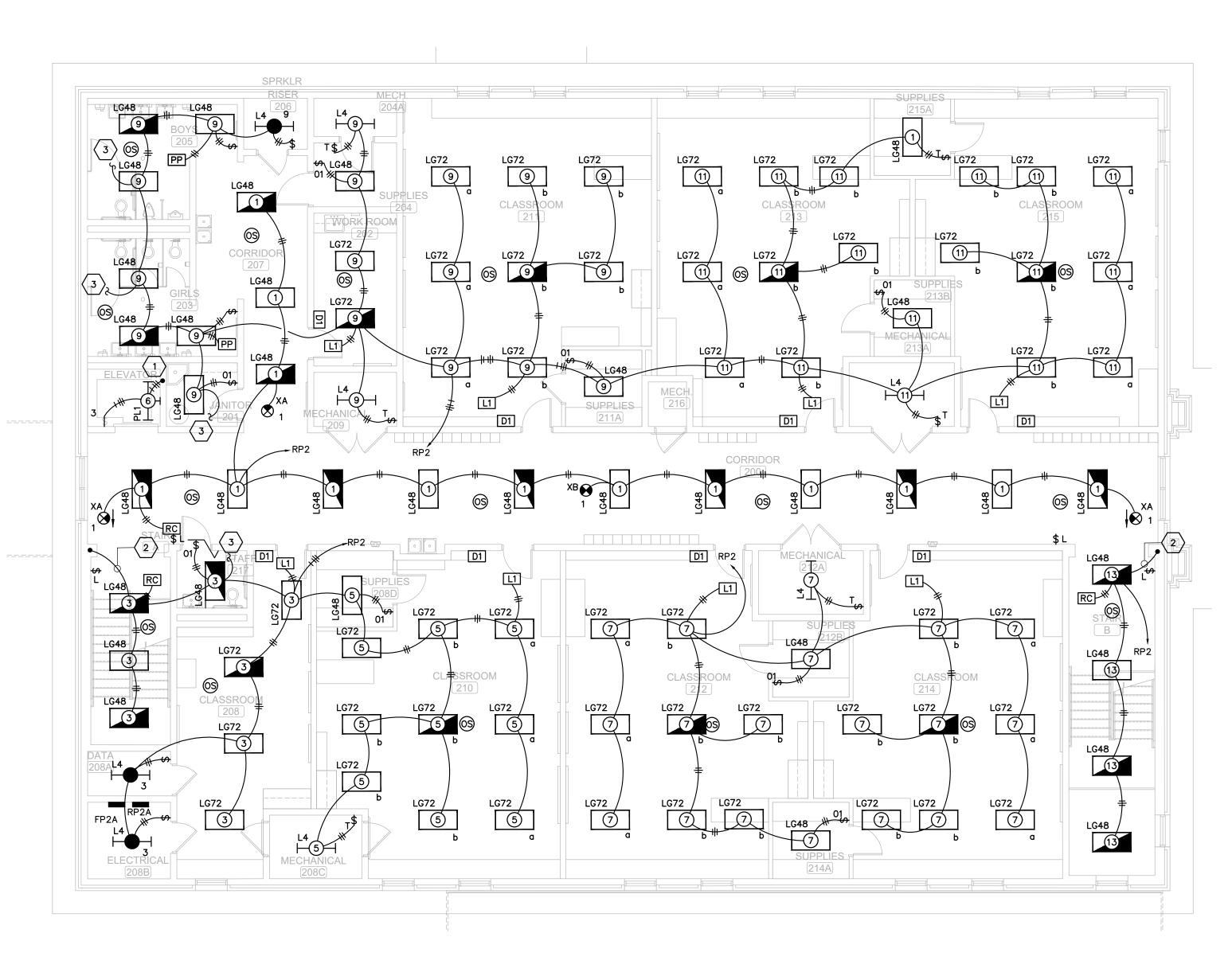
I. CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN 2". ANY PENETRATIONS SHALL CONFORM TO ICC 500.

SHEET NOTES:

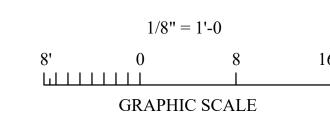
CIRCUIT DOWN TO RECEPTACLE AND PIT LIGHT LOCATED IN 1ST FLOOR. VERIFY LOCATION WITH ELEVATOR MANUFACTURER.

2 EXTEND POWER AND CONTROLS OF LIGHTING IN UPPER STAIRWELL UP TO LOWER FLOOR LIGHTING.

3 EXTEND SWITCHED POWER TO LOCAL EXHAUST FAN









SHEET NO.: **E2.2**

MCKEE JOB #: 22-134

CMB

REVISED DATE: 11.29.2022 <

10.13.2022

DRAWN BY:

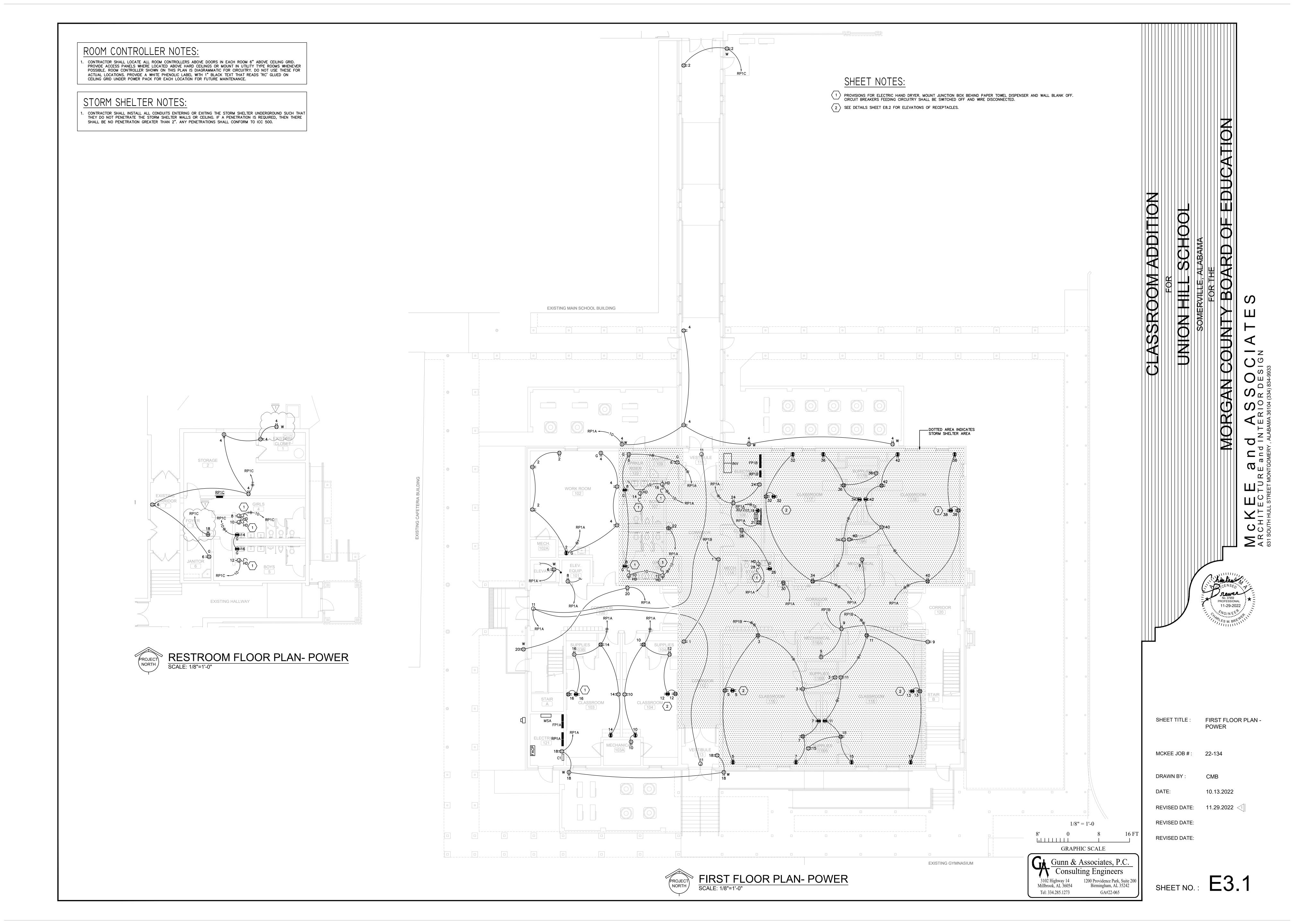
REVISED DATE:

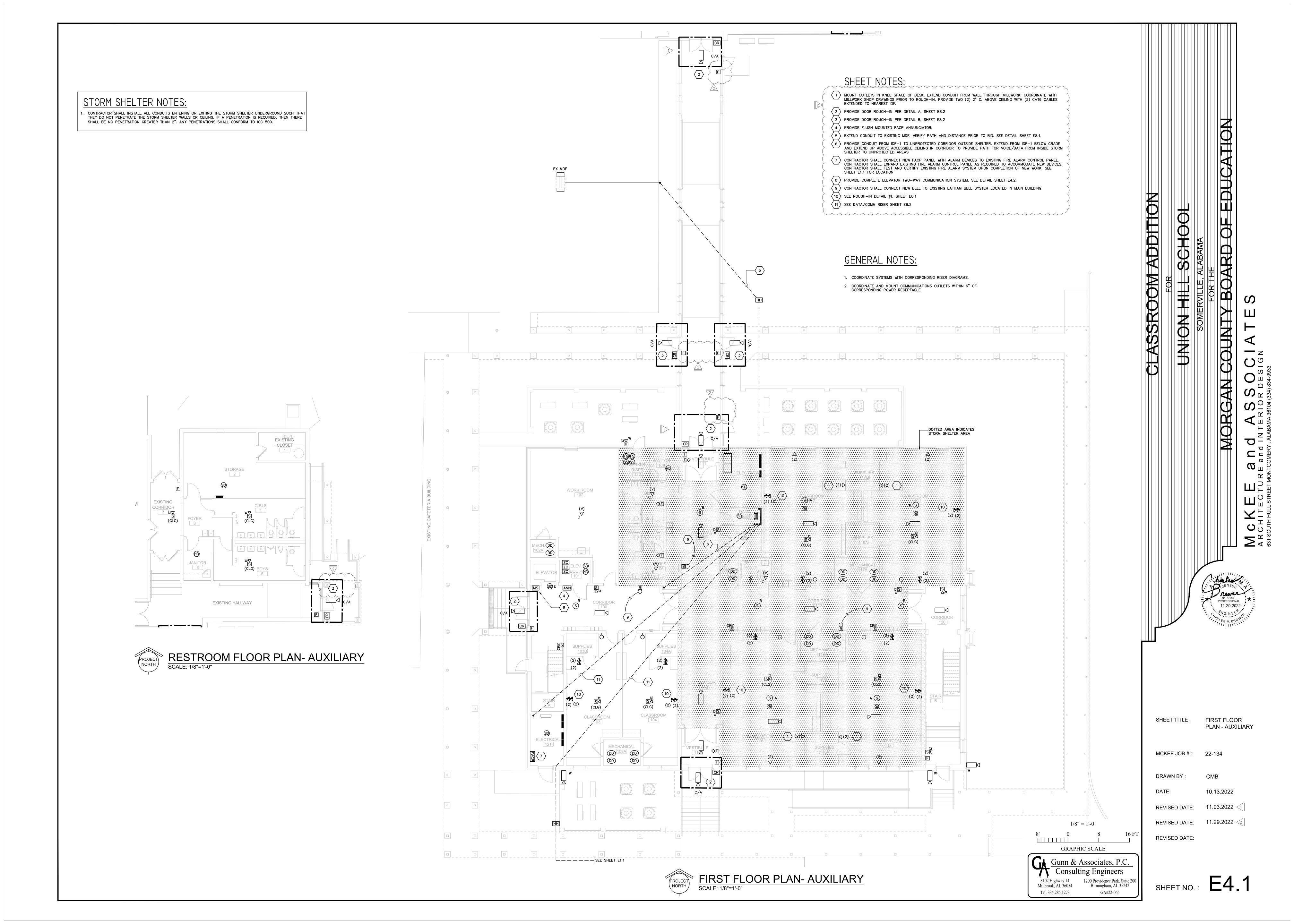
REVISED DATE:

MCKEE and ASSOCIATES

ARCHITECTURE and INTERIOR DESIGN

631 SOUTH HULL STREET WONTGOMERY, ALABAMA 36104 (324) 834-9933





STORM SHELTER NOTES:

CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN 2". ANY PENETRATIONS SHALL CONFORM TO ICC 500.

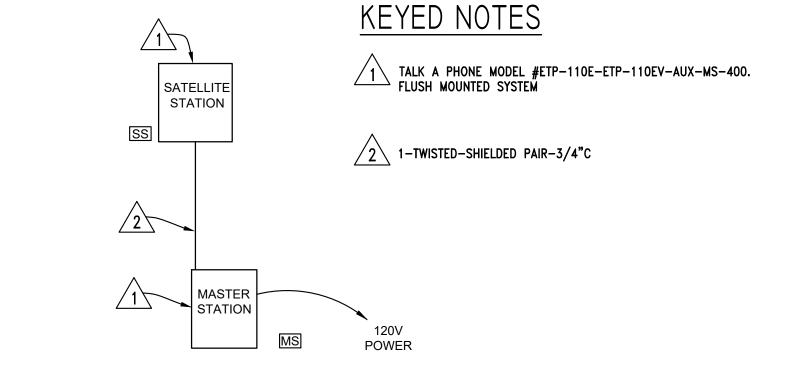
- \langle 1 \rangle TWO (2) 2" FIRE RATED SLEEVES ABOVE ACCESSIBLE CEILING
 - 2 PROVIDE FIBER FROM IDF-2 TO IDF-1. EXTEND DOWN BELOW GRADE AND EXTEND UP NEAR IDF-1 INSIDE STORM SHELTER.
 - $\overline{3}$ PROVIDE COMPLETE ELEVATOR TWO-WAY COMMUNICATION SYSTEM. SEE DETAIL THIS SHEET.
 - \langle 4 \rangle CONTRACTOR SHALL CONNECT NEW BELL TO EXISTING LATHAM BELL SYSTEM LOCATED IN MAIN BUILDING.

GENERAL NOTES:

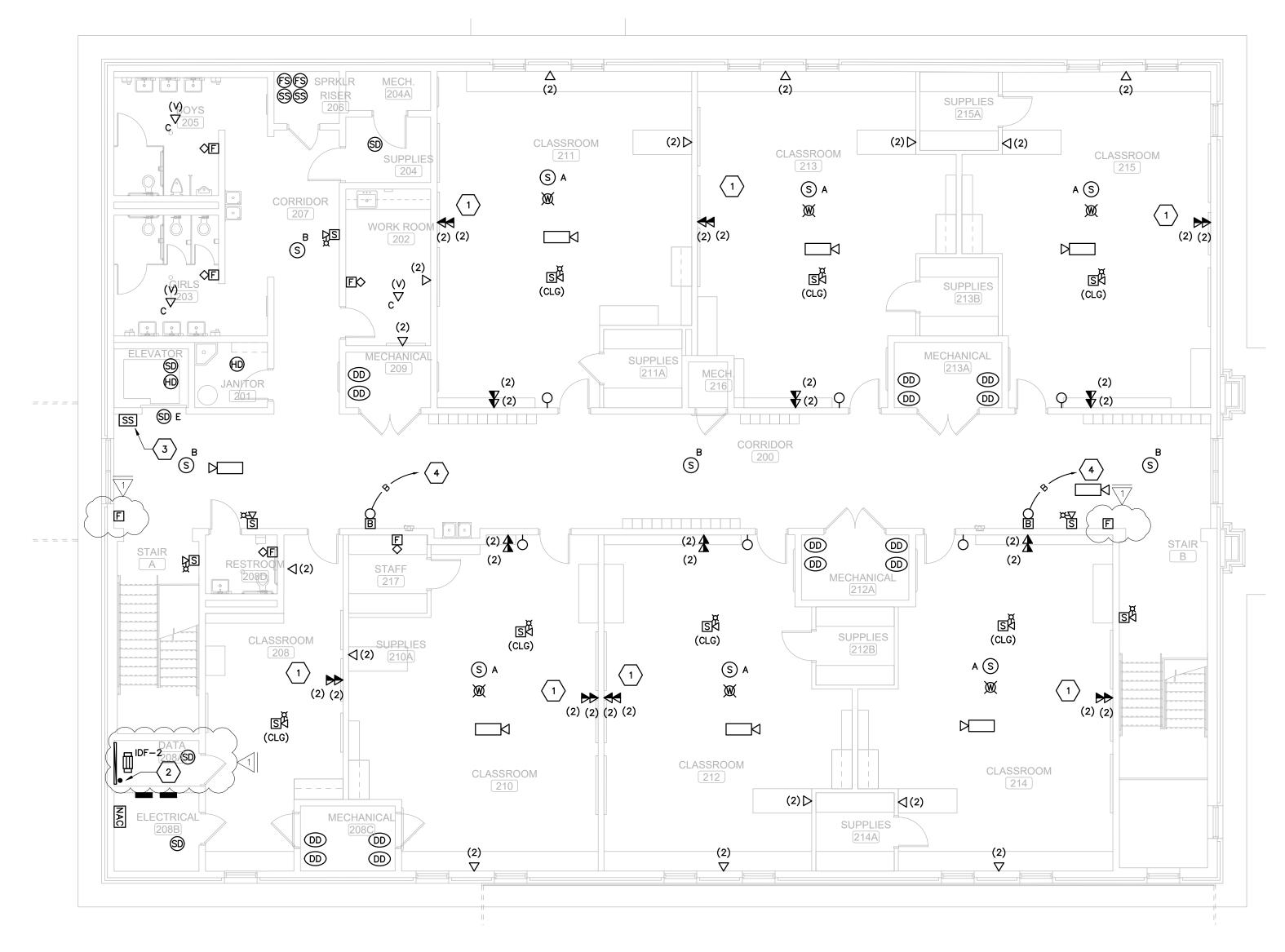
1. COORDINATE SYSTEMS WITH CORRESPONDING RISER DIAGRAMS. 2. MOUNT ALL COMMUNICATION OUTLETS WITH 6" OF A POWER OUTLET. FINAL DATA, WIFI, AND CAMERA CONNECTIONS BY OWNERS REP.
 PROVIDE A GREEN DOT STICKER ON CEILING GRID UNDER EACH WIRELESS ACCESS POINT TO PROVIDE LOCATION TO IT STAFF. PROVIDE 15' MINIMUM OF CAT6 SLACK, COILED UP ABOVE CEILING.

2-WAY COMMUNICATIONS SYSTEM NOTES:

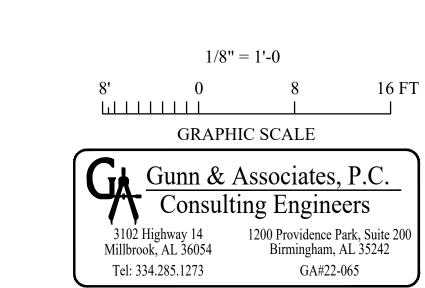
- 1. CONTRACTOR SHALL PROVIDE A TWO WAY COMMUNICATIONS SYSTEM IN THE ELEVATOR LOBBIES FOR EACH FLOOR PER IBC 1007.8. PROVIDE ONE MASTER STATION AT THE ELEVATOR ON THE FIRST FLOOR. PROVIDE ONE SATELLITE STATION BESIDE THE ELEVATOR ON THE SECOND. THE STATIONS SHALL BE FLUSH MOUNTED WITH BRUSHED STAINLESS STEEL FACEPLATES. PROVIDE INTERCONNECTING WIRING AS RECOMMENDED BY THE MANUFACTURER. 2. SYSTEM SHALL USE REGULAR PHONE LINES OR PBX
- 3. PHONE LINE POWERED: NO POWER SUPPLY OR BATTERIES.
- 4. PUSH BUTTON ONCE TO CALL, THEN HANDS FREE. 5. LED INDICATOR FOR HEARING IMPAIRED.
- 6. BUILT-IN AUTO DIALER WITH ABILITY TO DIAL TWO NUMBERS: IF FIRST NUMBER IS BUSY OR DON'T ANSWER, THEN DIALER DIALS SECOND NUMBER.
- 7. PROVIDE AUTO-ANSWER TO ALLOW SECURITY TO MONITOR AND INITIATE CALLS WITH EMERGENCY PHONE.
- 8. PROVIDE ABILITY TO AUTOMATICALLY IDENTIFY ATTENDANT OF LOCATION OF CALLING PHONE BY RECORDED MESSAGE AND DIGITAL DISPLAY.
- 9. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, SURGE ARRESTORS, ETC., SHALL BE GROUNDED. 10. CIRCUITS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- 11. ALL WIRING FOR THIS SYSTEM SHALL BE INSTALLED IN CONDUIT THROUGH OUT THE BUILDING. 12. THE COMPLETE 2-WAY COMMUNICATIONS SYSTEM IS IN THE BASE BID.
- 13. CONTRACTOR SHALL PROVIDE TWO (2) CAT 6 CABLES IN THE BASE BID FROM THE MASTER STATION TO THE TELEPHONE DEMARK IN FIRST FLOOR IDF ROOM FOR EXTERIOR CALL OUT.











MCKEE JOB #: 22-134

DRAWN BY 10.13.2022 REVISED DATE: 11.29.2022 <1

REVISED DATE:

REVISED DATE:

SHEET NO.: **E4.2**

				LAMP	LAMP	
TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	TYPE:	QUANTITY:	DESCRIPTION:
L4	COOPER NO. 45SNLED-LD5-50SL-LW-UNV-L840-CD-1	MVOLT	SURFACE	L.E.D.	1	WALL OR SURFACE MOUNTED LINEAR L.E.D. LUMINAIRE, 4'-0"L., WHITE FINISH WITH
	COLUMBIA NO. LCL4-40ML-EDU			4000K	5200 LUMEN	FROSTED LENS.
	PHILIPS NO. FSS455L840-UNV-DIM				46 WATTS	
LG48	COLUMBIA NO. SRP24-40LG-EDU	MVOLT	RECESSED	L.E.D.	1	RECESSED MOUNTED, EDGE LIT, L.E.D. FLAT PANEL, 2'x4' LAY-IN, WHITE FINISH.
				4000K	4800 LUMEN	
	OR EQUAL BY COOPER OR HE WILLIAMS				42 WATTS	
LG72	HUBBELL NO. SRP-24-40VLHEG-EDU	MVOLT	RECESSED	L.E.D.	1	RECESSED MOUNTED, EDGE LIT, L.E.D. FLAT PANEL, 2'x4' LAY-IN, WHITE FINISH.
				4000K	7200 LUMEN	
	OR EQUAL BY COOPER OR HE WILLIAMS				54 WATTS	EXTERIOR LINEAR LED 41 011 LINEAR MARCHETTE FINTLINE MUTIL CARMETO AND LENG
PL1	EATON NO. 4VT2-LD5-6-UNV	120/277	CEILING	LED	1	EXTERIOR LINEAR LED 4'-0" LINEAR VAPORTITE FIXTURE WITH GASKETS AND LENS.
	OR EQUAL BY HE WILLIAMS, HUBBELL			4000K	6,000 LM	
SL1	COOPER NO. 4SWLED-72HL-LW-UNV-L840-CD1-U	MVOLT	WALL	L.E.D.	51 WATTS	 WALL MOUNTED L.E.D. LUMINAIRE STAIRWELL FIXTURE WITH INTEGRAL OCC. SENSO
SLI	COOPER NO. 45VVLED-72AL-LVV-ONV-L840-CD1-0	IVIVOLI	WALL	4000K	7200 LUMEN	DATTEDY DAOK AND DIMMINO
	OR PRIOR APPROVED EQUAL BY HE WILLIAMS OR HUBBELL			4000K	68 WATTS	
WP1	COOPER NO. ISC-SA1-E740 -U-T4W-XX	MVOLT	WALL	L.E.D.	1	EXTERIOR WALL MOUNTED L.E.D. LUMINAIRE (HALF CYLINDER) WITH CUT OFF, FINIS
		WWGET		4000K	5600 LUMEN	A COST SOTED BY A BOUTE OF MOUNTED 4010H A BOYE OB A BE AVERIEVA MUTUA BOUTE
	OR PRIOR APPROVED EQUAL BY HE WILLIAMS OR HUBBELL			100011	58 WATTS	TO ROUGH-IN.
WP1A	COOPER NO. ISC-SA1-E740 -U-T4W-XX	MVOLT	WALL	L.E.D.	1	EXTERIOR WALL MOUNTED L.E.D. LUMINAIRE (HALF CYLINDER) WITH CUT OFF, FINISH
				4000K	5600 LUMEN	SELECTED BY ARCHITECT, - PROVIDE WITH INTEGRAL PHOTOCELL BUTTON
	OR PRIOR APPROVED EQUAL BY HE WILLIAMS OR HUBBELL				58 WATTS	
XA	LITHONIA NO. LQM-S-W-3-R-120/277-ELN-SD : WIREGUARDS IN GYM AREAS	MVOLT	CEILING/	L.E.D.	1	CEILING MOUNTED SINGLE FACE EXIT SIGN, PLASTIC BODY WITH RED LETTERS, PRO
	OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE		WALL			WITH SELF-CONTAINED EMERGENCY BATTERY AND DIAGNOSTICS, ARROWS AS SHO
					3 WATT	ON DRAWINGS.
XB	LITHONIA NO. LQM-S-W-3-R-120/277-ELN-SD; WIREGUARDS IN GYM AREAS	MVOLT	CEILING	L.E.D.	1	CEILING MOUNTED DOUBLE FACE EXIT SIGN, PLASTIC BODY WITH RED LETTERS,
	EELP NO. XE-2-R-W-SD H.E. WILLIAMS NO. EXIT-R-EM-WHT-SDT-D				0.14/4.770	PROVIDE WITH SELF-CONTAINED EMERGENCY BATTERY AND DIAGNOSTICS, ARROV
XC		MVOLT	CEILING/	LED	1	AS SHOWN ON DRAWINGS THERMOPLASTIC 1000-LUMEN COMBO LED EXIT SIGN EGRESS LIGHT. PROVIDE WIT
^ C	LITHONIA NO. LHQM-S-W-3-R-HO-LP06VS; WIREGUARDS IN GYM AREAS OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	WIVOLI	CEILING/ WALL	LED		NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.
	ONT MONALT NOVED EQUAL BY EMENOPEITE, MOI THEBEN, ON THE SCOLIFE		WALL		1000 LOWILING	COORDINATE COLOR OF SIGNAGE WITH LOCAL REQUIREMENTS. PROVIDE WITH
					10 WATTS	EMERGENCY BATTERY. PROVIDE WIREGUARDS IN GYM.

TYPE: 125 AMP MAIN B	REAKER	AIC	: 42,000 AMF	PERES	<u> </u>	МО	UNTE): REC	ESSED	- NEMA 1	VOLTA	GE: 120/208	VOLTS, 3 PHASE, 4 WIR
CIRCUIT DIRECTORY	JIT DIRECTORY (VA) PER PHASE		\SE				CIRCUIT			(VA	A) PER PHA	SE.	CIRCUIT DIRECTORY
	PHASE A		PHASE C	AMP	POLE		MBER	AMP	POLE	<u> </u>	PHASE B		
LIGHTING	394			20	1	1	2	20	1	400			RECEPTACLES
LIGHTING		746		20	1	3	4	20	1		600		RECEPTACLES
BUSSED SPACE				50	1	5	6	20	1			400	RECEPTACLES
BUSSED SPACE				50	1	7	8	20	1	1,000			HAND DRYER
BUSSED SPACE				50	1	9	10	20	1		1,000		HAND DRYER
BUSSED SPACE				50	1	11	12	20	1			1,000	HAND DRYER
BUSSED SPACE				50	1	13	14	20	1	200			RECEPTACLES
BUSSED SPACE				50	1	15	16	20	1		200		RECEPTACLES
BUSSED SPACE				50	1	17	18	20	1			1,000	WATER COOLER
BUSSED SPACE				50	1	19	20	20	1	0			SPARE
BUSSED SPACE				50	1	21	22	20	1		0		SPARE
BUSSED SPACE				50	1	23	24	20	1			0	SPARE
BUSSED SPACE				50	1	25	26	20	1	0			SPARE
HP-IG		3,598		50	1	27	28	20	1		0		SPARE
-			3,598		2	29	30	20	1			0	SPARE
DHP-OG	750			20		31	32	20	1	0			SPARE
-		750			2	33	34	20	1		0		SPARE
CCHP-OC1			1,082	20		35	36	20	1			0	SPARE
-	1,082			20	2	37	38	20	1	0			SPARE
CCHP-OC2		1,082		20		39	40	30			2,250		WH-3
-			1,082		2	41	42		2			2,250	-
SUB TOTAL (VA)	2,226	6,176	5,762							1,600	4,050	4,650	SUB TOTAL (VA)
TOTAL LOAD PHASE A:		3,826	(VA)				NOTE	S:					
TOTAL LOAD PHASE B:		10,226	(VA)				1. PAI	NELBO	ARD TO	D BE BOLT-	ON TYPE V	VITH DOOR	-IN-DOOR CONSTRUCTI
TOTAL LOAD PHASE C:		10,412	(VA)				2. PR	OVIDE	ARC FA	AULT LABEL	PER DETA	AIL.	
FOTAL LOAD:		24,464	(VA) =	68	AMPS								

LUMINAIRE NOTES:

1. ALL LUMINAIRES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINAIRES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.

1. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS OR MAKE CUSTOM COLOR DURING SHOP DRAWING REVIEW. BID ACCORDINGLY.

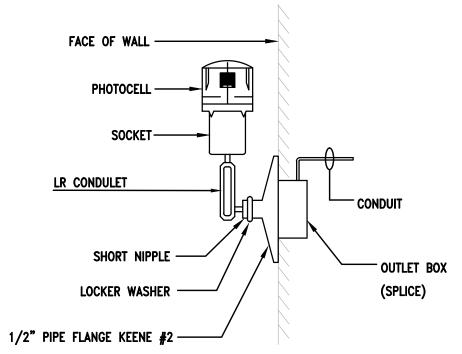
4. FOR WARRANTY AND LONG TERM SUPPORT FOR OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER REPRESENTATIVES

LOCATED IN THE STATE OF ALABAMA. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE ELECTRICAL CONTRACTOR

2. COORDINATE MOUNTING OF ALL LUMINAIRES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION 3. PROVIDE EMERGENCY BATTERY BALLAST FOR ALL EMERGENCY TYPE FIXTURES CAPABLE OF 90-MINUTES.

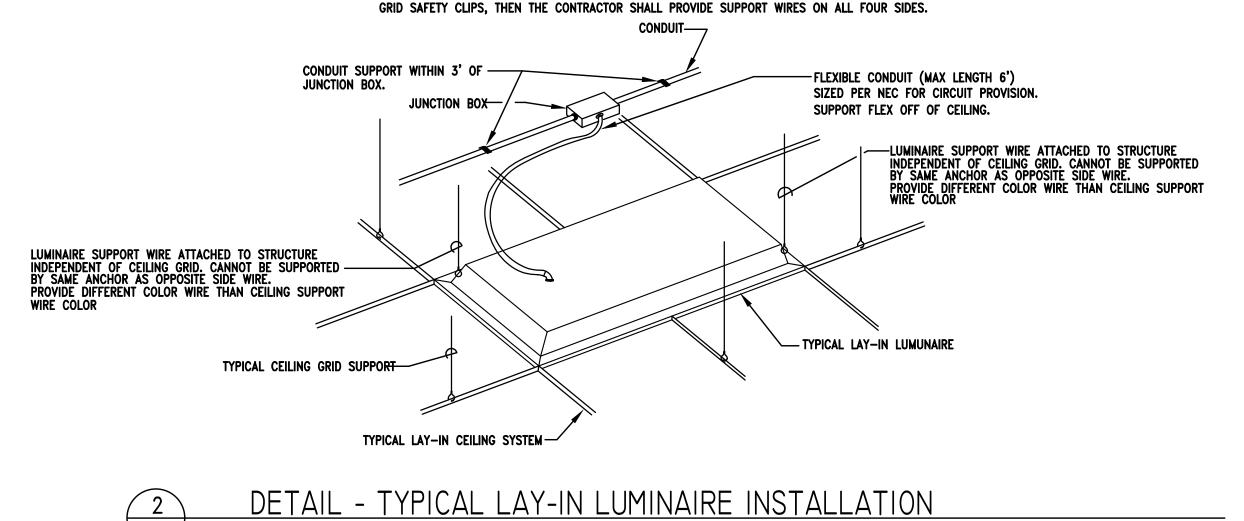
- 2. LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
- 3. ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION.
- 4. ALL LUMINAIRES BALLAST, DRIVERS, LAMPS, ETC SHALL BE COMPATIABLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
- 6. SECURE EACH LAY-IN LUMINAIRE AT TWO LOCATIONS TO THE CEILING GRID. PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
- 7. ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
- 8. ALL FLUORESCENT LUMINARIES SHALL BE PROVIDED WITH 3500K COLOR
- 9. PROVIDE ALL DUAL SWITCHED LUMINAIRES WITH DUAL BALLAST.
- 10. LUMINAIRES WITH TWO SUB-SCRIPTS AN "a" AND "b" SHALL HAVE OUTSIDE TWO LAMPS CONTROLLED BY SWITCH OR RELAY POLE "a" AND INSIDE LAMP OR LAMPS CONTROLLED BY SWITCH OR RELAY POLE "b". SIMILARLY FOR OTHER SETS OF SUB-SCRIPTS SUCH AS "c, d, e, f, ETC."
- 11. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
- 12. COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
- 13. PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. 14. CONTRACTOR SHALL PROVIDE ALL SLOPE ADAPTERS, FLANGE KITS, TRIMS, AND ALL OTHER MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- 15. ALL EXIT SIGNS AND LUMINAIRES DESIGNATED AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM 1100 LUMEN EMERGENCY BATTERY BALLAST CAPABLE OF 90 MINUTES OF ILLUMINATION.

- 1. PAINT CONDUIT NIPPLE, SOCKET AND PIPE FLANGE WITH TWO COATS OF ENAMEL.
- 2. COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
- 3. PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.



DETAIL - INSTALLATION OF PHOTO-CELL

- 1. ALL RECESSED LUMINAIRES SHALL BE WIRED FROM A JUNCTION BOX AS SHOWN, INCLUDING LUMINAIRES IN A CONTINUOUS ROW. NO WIRING THRU FIXTURES. NO MORE THAN TWO LUMINAIRES SHALL BE CIRCUITED TO ONE JUNCTION BOX.
- 2. LUMINAIRE SUPPORT WIRES TO BE A MINUMUM OF #14 GAGE PRE-STRAINED GALVINIZED WIRE ATTACHED AT OPPOSITE CORNERS. LUMINAIRE SHALL BE SUPPORTED TO THE STRUCTURE INDEPENDENT
- OF THE CEILING GRID.
- 3. CONDUCTORS IN FLEXIBLE CONDUIT FROM JUNCTION BOX TO LUMINAIRE SHALL CONTAIN AN INSULATED GREEN GROUND WIRE, WITH NEUTRAL AND PHASE CONDUCTORS REQUIRED FOR THE CIRCUITING AND SWITCHING REQUIREMENTS INDICATED.
- 4. JUNCTION BOXES SHALL BE ACCESSIBLE AND LOCATED WITHIN 1'-6" ABOVE LAY-IN CEILING INSTALLATION. PROVIDE PENDANT ALL-THREAD RODS AND/OR STRUT ASSEMBLIES TO MEET THIS REQUIREMENT WHERE DROP CEILING IS MORE THAN 1'-6" FROM STRUCTURE.
- 5. CONTRACTOR SHALL INSTALL ALL T-BAR SAFETY CLIPS TO GRID. IF FIXTURE DOES NOT COME WITH



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Consulting Engineers Consulting Engineers 3102 Highway 14 1200 Providence Park, Suite 200 Millbrook, AL 36054 Birmingham, AL 35242 GA#22-065 Tel: 334.285.1273

SHEET NO.:

LUMINAIRE & PANEL SCHEDULE AND MCKEE JOB #: 22-134 DRAWN BY CMB 10.13.2022

REVISED DATE: 11.29.2022 <1

REVISED DATE: **REVISED DATE:**

					PAI	NE	LI	FP2	2					
YPE: 400 AMP MAIN LUGS		AIC: 2	ERES		MOUNTED: SURFACE VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE									
CIRCUIT DIRECTORY	(V/	A) PER PHA	SE			CIR	CUIT			(V	A) PER PHA	CIRCUIT DIRECTORY		
	PHASE A	PHASE B	PHASE C	AMP	POLE	NUN	/BER	AMP	POLE	PHASE A	PHASE B	PHASE C		
HP-IA5	3,633			40		1	2	30		1,500			EUH-A2	
-		3,633				3	4		2		1,500		-	
-			3,633		3	5	6	50				3,598	HP-IB3	
HP-IA6	3,633			40		7	8		2	3,598			-	
-		3,633				თ	10	60			4,832		HP-IE	
-			3,633		3	11	12		2			4,832	-	
HP-IA7	3,633			40		13	14	30		3,595			HP-IF	
-		3,633				15	16		2		3,595		-	
-			3,633		3	17	18	30				2,250	WH-2	
HP-IA8	3,633			40		19	20		2	2,250			-	
-		3,633				21	22	30			0		SPARE	
_			3,633		3	23	24		2			0	-	
HP-A9	3,633			40		25	26	30		0			SPARE	
_		3,633				27	28		2		0		-	
-			3,633		3	29	30	50	1				BUSSED SPACE	
HP-IA10	3,633			40		31	32	50	1				BUSSED SPACE	
-		3,633				33	34	50	1				BUSSED SPACE	
-			3,633		3	35	36	50	1			00.000	BUSSED SPACE	
SPARE	0			40		37	38	50	1				BUSSED SPACE	
-		0				39	40	50	1				BUSSED SPACE	
-			0		3	41	42	50	1				BUSSED SPACE	
SUB TOTAL (VA)	21,798	21,798	21,798							10,943	9,927	10,680		
OTAL LOAD PHASE A:		32,741					NOTE	:S:			,			
OTAL LOAD PHASE B:		31,725	· · ·						ARD TO	BE BOLT	ON TYPE V	VITH DOOR-I	IN-DOOR CONSTRUCTIO	
OTAL LOAD PHASE C:		32,478	• ` '				2. PR	OVIDE	ARC FA	AULT LABEI	PER DETA	AIL DETAILS.		
OTAL LOAD:			(VA) =	269	AMPS			_						

TYPE: 225 AMP MAIN	LUGS	AIC:	42,000 AMF	PERES		MC	DUNTE	D: SUI	RFACE	- NEMA 1	VOLTA	GE: 120/208	VOLTS, 3 PHASE, 4 WIRE
CIRCUIT DIRECTORY	,	A) PER PHA					CUIT			,	A) PER PHA		CIRCUIT DIRECTORY
LIGHTING	PHASE A	PHASE B	PHASE C	AMP	POLE	NUI	MBER	AMP	POLE	PHASE A	PHASE B	PHASE C	DE0EDT1 01 E0
LIGHTING	600	==0		20	1	1	2	20	1	400	4 000		RECEPTACLES
LIGHTING		570		20	1	3	4	20	1		1,000	4	HAND DRYER
LIGHTING	1		574	20	1	5	6	20	1			1,000	HAND DRYER
LIGHTING	994			20	1	7	8	20	1	1,000			HAND DRYER
LIGHTING		1,056		20	1	9	10	20	1		1,000		HAND DRYER
LIGHTING			994	20	1	11	12	20	1			600	RECEPTACLES
LIGHTING	346			20	1	13	14	20	1	600			RECEPTACLES
SPARE		0	_	20	1	15	16	20	1		800		WATER COOLER
SPARE	_		0	20	1	17	18	20	1			1,000	RECEPTACLES
SPARE	0	_		20	1	19	20	20	1	800			RECEPTACLES
SPARE		0		20	1	21	22	20	1		800		RECEPTACLES
SPARE			0	20	1	23	24	20	1			1,000	RECEPTACLES
SPARE	0			20	1	25	26	20	1	800			RECEPTACLES
SPARE		0		20	1	27	28	20	1		800		RECEPTACLES
SPARE			0	20	1	29	30	20	1			1,000	RECEPTACLES
SPARE	0			20	1	31	32	20	1	600			RECEPTACLES
SPARE		0		20	1	33	34	20	1		1,000		RECEPTACLES
SPARE			0	20	1	35	36	20	1			1,000	RECEPTACLES
SPARE	0			20	1	37	38	20	1	600			RECEPTACLES
SPARE		0		20	1	39	40	20	1		1,000		RECEPTACLES
SPARE			0	20	1	41	42	20	1			800	WATER COOLER
BUSSED SPACE				50	1	43	44	20	1	1,000			RECEPTACLES
BUSSED SPACE				50	1	45	46	20	1		800		RECEPTACLES
BUSSED SPACE				50	1	47	48	20	1			800	RECEPTACLES
BUSSED SPACE				50	1	49	50	20	1	1,000			RECEPTACLES
BUSSED SPACE				50	1	51	52	20	1		1,200		RECEPTACLES
BUSSED SPACE				50	1	53	54	20	1			800	RECEPTACLES
BUSSED SPACE				50	1	55	56	20	1	1,000			HAND DRYER
BUSSED SPACE				50	1	57	58	20	1		200		RECEPTACLES
BUSSED SPACE				50	1	59	60	20	1			800	RECEPTACLES
BUSSED SPACE				50	1	61	62	20	1	1,000			RECEPTACLES
BUSSED SPACE				50	1	63	64	20	1		600		RECEPTACLES
BUSSED SPACE				50	1	65	66	20	1			600	RECEPTACLES
BUSSED SPACE				50	1	67	68	30		1,000			IT
BUSSED SPACE				50	1	69	70		2		1,000		-
BUSSED SPACE				50	1	71	72	20	1			400	RECEPTACLES
BUSSED SPACE				50	1	73	74	20	1	400			RECEPTACLES
BUSSED SPACE				50	1	75	76	50	1				BUSSED SPACE
BUSSED SPACE				50	1	77	78	50	1				BUSSED SPACE
BUSSED SPACE				50	1	79	80	50	1				BUSSED SPACE
BUSSED SPACE				50	1	81	82	50	1				BUSSED SPACE
BUSSED SPACE				50	1	83	84	50	1				BUSSED SPACE
SUB TOTAL (VA)	1,940	1,626	1,568							10,200	10,200	9,800	SUB TOTAL (VA)
TAL LOAD PHASE A:		12,140	(VA)				NOTE	:S:					
TAL LOAD PHASE B:		11,826					1. PAI	NELBO	ARD TO	BE BOLT	ON TYPE V	VITH DOOR-	IN-DOOR CONSTRUCTIO
TAL LOAD PHASE C:		11,368	(VA)			2. PROVIDE ARC FAULT LABEL PER DETAIL.							
TAL LOAD:		35,334		98	AMPS								

TYPE: 600 AMP MAIN LUGS		AIC: A	12,000 AMPE	PES		N.		ED: SI	JRFACE	: 1	VOLTAGE:	120/208 \/\OI	_TS, 3 PHASE, 4 WIRE
THE. OUD AIVII IVAIN EUGO		AIC. 2	+2,000 AIVIP :	INES		i iv	OUNT	ED. 30	REACE		VOLTAGE.	120/206 VOI	13, 3 FRASE, 4 WIRE
CIRCUIT DIRECTORY	(VA	A) PER PHA	SE			CIR	CUIT			(VA	A) PER PHASE		CIRCUIT DIRECTORY
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	`	PHASE B		AMR	ROLE		MBER	AMP	POLE	•		PHASE C	
SPARE	0			40		∫1	2	80		2,892			INVERTER
-		0				₹3	4		2	,	3,362		-
-			0		3	5	6	20				1,082	CCHP-OC3
DHP-OA2	750			20	~~~	7	8		2	1,082		·	-
		750			2	9	10	20			1,082		CCHP-OC4
DHP-OB3			750	20		11	12		2			1,082	-
-	750				2	13	14	60		4,595			HP-IC
EUH-A1		1,500		30		15	16		2		4,595		-
-			1,500		2	17	18						BUSSED SPACE
HP-IA1	3,633			40		19	20	20		1,500			HP-OA1
-		3,633				21	22				1,500		
-			3,633		3	23	24		3			1,500	
HP-IA2	3,633			40		25	26	20		1,500			HP-OA2
-		3,633				27	28				1,500		-
-			3,633		3	29	30		3			1,500	-
HP-IA3	3,633			40		31	32	20		1,500			HP-OA3
-		3,633				33	34				1,500		-
-			3,633		3	35	36		3			1,500	-
HP-IA4	3,633			40		37	38	20		1,500			HP-OA4
-		3,633				39	40				1,500		-
-			3,633		3	41	42		3			1,500	-
HO-OA10	1,500			20		43	44	20		1,500			HP-OA6
-		1,500				45	46				1,500		-
-			1,500		3	47	48		3			1,500	-
WH-1	2,250			30		49	50	20		1,500			HP-OA7
<del>-</del>		2,250			2	51	52				1,500		-
SPARE			0	30		53	54		3			1,500	-
-	0				2	55	56	20		1,500			HP-OA8
SPARE		0		30		57	58				1,500		-
-			0		2	59	60		3			1,500	-
SPARE	0	_		40		61	62	20		1,500			HP-OA9
-		0	_		_	63	64				1,500		-
-			0		3	65	66		3	, <u> </u>		1,500	-
BUSSED SPACE				50	1	67	68	30		1,716	4 = 4 =		HP-OC
BUSSED SPACE				50	1	69	70		2		1,716		- PU00ED 05: 65
BUSSED SPACE				50	1	71	72	50	1				BUSSED SPACE
BUSSED SPACE				50	1	73	74	50	1				BUSSED SPACE
BUSSED SPACE				50	1	75	76 70	50	1				BUSSED SPACE
BUSSED SPACE				50	1	77	78	50	1				BUSSED SPACE
BUSSED SPACE				50	1	79	80	50	1				BUSSED SPACE
BUSSED SPACE				50	1	81	82	50	1				BUSSED SPACE
BUSSED SPACE	40.700	00.500	40.000	50	1	83	84	50	1	00.005	00.755	44404	BUSSED SPACE
SUB TOTAL (VA)	19,782	20,532	18,282				NOTE			22,285	22,755	14,164	
TOTAL LOAD PHASE A:		42,067	, ,				NOTE		ADD TO		ONTYPE	VITU DOOD	IN DOOD CONSTRUCTION
TOTAL LOAD PHASE B:		43,287											-IN-DOOR CONSTRUCTION.
TOTAL LOAD:		32,446		207			∠. PK(	JVIDE	AKU FA	YOLI LABEL	- PER DE I	AIL DETAILS.	
TOTAL LOAD:		117,800	(VA) =	327	AMPS								

				P	ANI	EL	F	RP'	1B				
TYPE: 125 AMP MAIN	PERES		MC	DUNTE	D: SUI	RFACE	- NEMA 1	VOLTA	VOLTS, 3 PHASE, 4 WIRE				
CIRCUIT DIRECTORY	<u> </u>	A) PER PHA				CIRCUIT		UIT			(VA) PER PHASE		CIRCUIT DIRECTOR
	PHASE A	PHASE B	PHASE C		POLE	NUI	MBER		POLE	PHASE A	PHASE B	PHASE C	
RECEPTACELS	200			20	1	1	2	20	1				
RECEPTACELS		800		20	1	3	4	20	1				
RECEPTACELS			1,000	20	1	5	6	20	1			600	RECEPTACLES
RECEPTACELS	800			20	1	7	8	20	1	400			RECEPTACLES
RECEPTACELS		800		20	1	9	10	20	1		1,000		HD
RECEPTACELS			800	20	1	11	12	20	1			1,000	HD
RECEPTACELS	1,000			20	1	13	14	20	1	1,000			HD
RECEPTACELS		800		20	1	15	16	20	1		1,000		HD
П			1,000	30		17	18	20	1				
	1,000				2	19	20	20	1				
Π		1,000		20	1	21	22	20	1		800		EWC
SPARE			0	20	1	23	24	20	1			400	RECEPTACLES
SPARE	О			20	1	25	26	20	1	400			RECEPTACLES
SPARE		0		20	1	27	28	20	1		1,000		HD
SPARE			0	20	1	29	30	20	1			800	EWC
SPARE	0			20	1	31	32	20	1	1,000			RECEPTACLES
BUSSED SPACE				50	1	33	34	20	1		800		RECEPTACLES
BUSSED SPACE				50	1	35	36	20	1			1,000	RECEPTACLES
BUSSED SPACE				50	1	37	38	20	1	1,000			RECEPTACLES
BUSSED SPACE				50	1	39	40	20	1	,	800		RECEPTACLES
BUSSED SPACE				50	1	41	42	20	1			800	RECEPTACLES
SUB TOTAL (VA)	3,000	3,400	2,800						-	3,800	5,400	4,600	SUB TOTAL (VA)
OTAL LOAD PHASE A:	,	6,800	,				NOTE	S:		,	,	,	( , )
OTAL LOAD PHASE B:		8,800	<u> </u>						ARD TO	BE BOLT-	ON TYPE V	VITH DOOR-	N-DOOR CONSTRUCTION
OTAL LOAD PHASE C:		7,400	· '								PER DETA		
OTAL LOAD:			(VA) =	64	AMPS						,		

SHEET TITLE:

PANELBOARD SCHEDULES AND NOTES

MCKEE JOB#: 22-134

DRAWN BY: CMB

DATE: 10.13.2022

REVISED DATE: 11.29.2022

SOMERVILLE, ALABAMA
FOR THE
FOR THE
FOR THE

Gunn & Associates, P.C.

Consulting Engineers

3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273

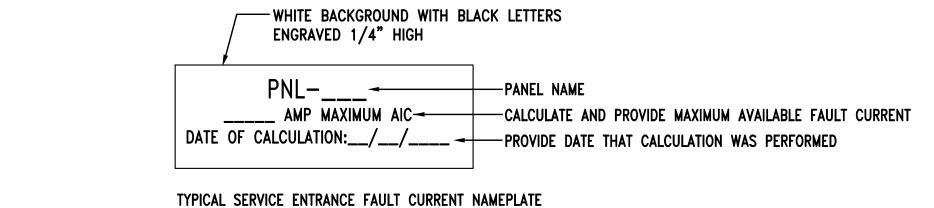
GA#22-065

SHEET NO.: **E5.3** 

REVISED DATE:

REVISED DATE:

RISER DIAGRAMS - ALUMINUM WIRE WILL BE ALLOWED FOR SERVICE ENTRANCE, PANELBOARD AND TRANSFORMER FEEDERS OF EQUAL AMPACITY FOR CONDUCTORS LARGER THAN #1 CABLE SIZE. ALL FEEDERS ARE CURRENTLY SIZED FOR COPPER. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO UPSIZE CONDUCTORS AND CONDUITS AS NEEDED FOR AMPACITY AND VOLTAGE DROP. DURING THE SUBMITTAL PHASE PROVIDE UPDATED ALUMINUM FEEDER SIZES FOR APPROVAL. COORDINATE WITH ALABAMA POWER FOR EXTRA RUNS OF CONDUCTORS TO THE TRANSFORMER. COMPRESSION LUGS WILL BE REQUIRED FOR ALL TERMINATION OF ALUMINUM WIRE WITH ANTI-OXIDANT COMPOUND.



DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

				INVERTER	
MARK	KVA	VOLT	AGE	BKRS	DESCRIPTION
		PRIMARY	SECONDARY	7	
INV	8.5KW	120/208V., 1PH., 3W.	120/208V., 1PH., 3W.	(6) 20A/1P (1) 40A/2P	CENTRAL BATTERY INVERTER BY CONTROLLED POWER: NO. ELU-LLX-8.5KW-0N10 (301555) RUN TIME 180 MINUTES EMERGI-LITE AND DUAL-LITE ARE EQUAL.

* INVERTER SIZE SHALL BE CALCULATED USING THE FOLLOWING INFORMATION. LIGHTS: 3,200 WATTS

(1) 1.0HP FANS:

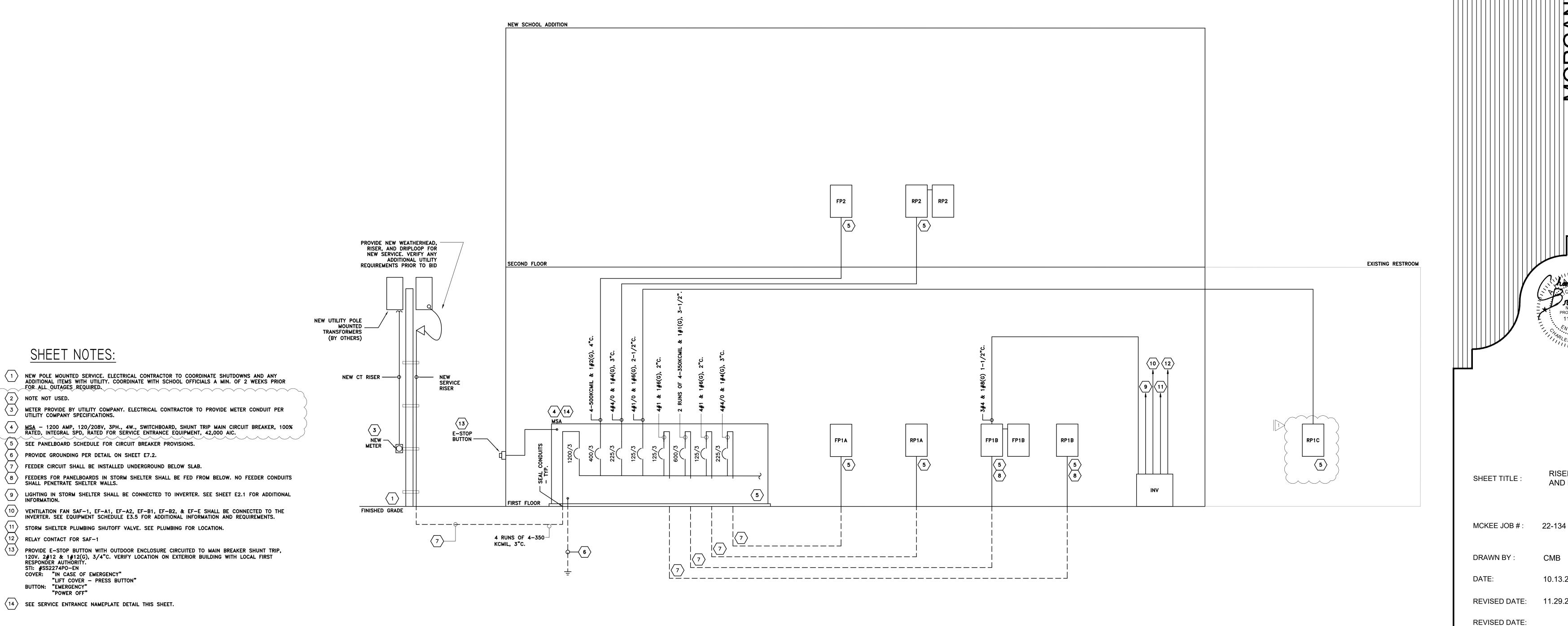
(5) FRACTIONAL HP

SYSTEM IS DESIGNED AROUND CONTROLLED POWER. EQUAL MANUFACTURERS MUST MEET PHYSICAL EQUIPMENT SIZE AS SHOWN ON DRAWINGS.

## POWER RISER DIAGRAM NOTES:

- 1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
- 2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING . CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
- 4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
- 5. PROVIDE 4" CONCRETE HOUSEKEEPING PAD WITH 1" CHAMFER FOR ALL FLOOR MOUNTED TRANSFORMERS AND SWITCHBOARDS.
- 6. COORDINATE WITH GROUNDING DETAILS ON SHEET E7.02 FOR ALL THE DIFFERENT TYPE GROUNDING REQUIREMENTS.
- 7. ALL UNDERGROUND SECONDARY FEEDERS SHALL BE A MINIMUM OF 36" BELOW GRADE TO THE TOP OF THE DUCT BANK.
- 8. ALL UNDERGROUND PRIMARY FEEDERS SHALL BE A MINIMUM OF 48" BELOW GRADE TO THE TOP OF THE CONDUIT.
- 9. CONTRACTOR SHALL PROVIDE A FULL SIZE COPY OF THE AS-BUILT POWER RISER DIAGRAM FRAMED BEHIND PLEXIGLASS SCREWED TO THE WALL NEAR MAIN SERVICE PANEL.

1. CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.



RISER DIAGRAM POWER DISTRIBUTION - NEW BUILDING

SHEET NOTES:

SHALL PENETRATE SHELTER WALLS.

COVER: "IN CASE OF EMERGENCY"

"POWER OFF"

"LIFT COVER - PRESS BUTTON"

(12) RELAY CONTACT FOR SAF-1

STI: #SS2274PO-EN

BUTTON: "EMERGENCY"



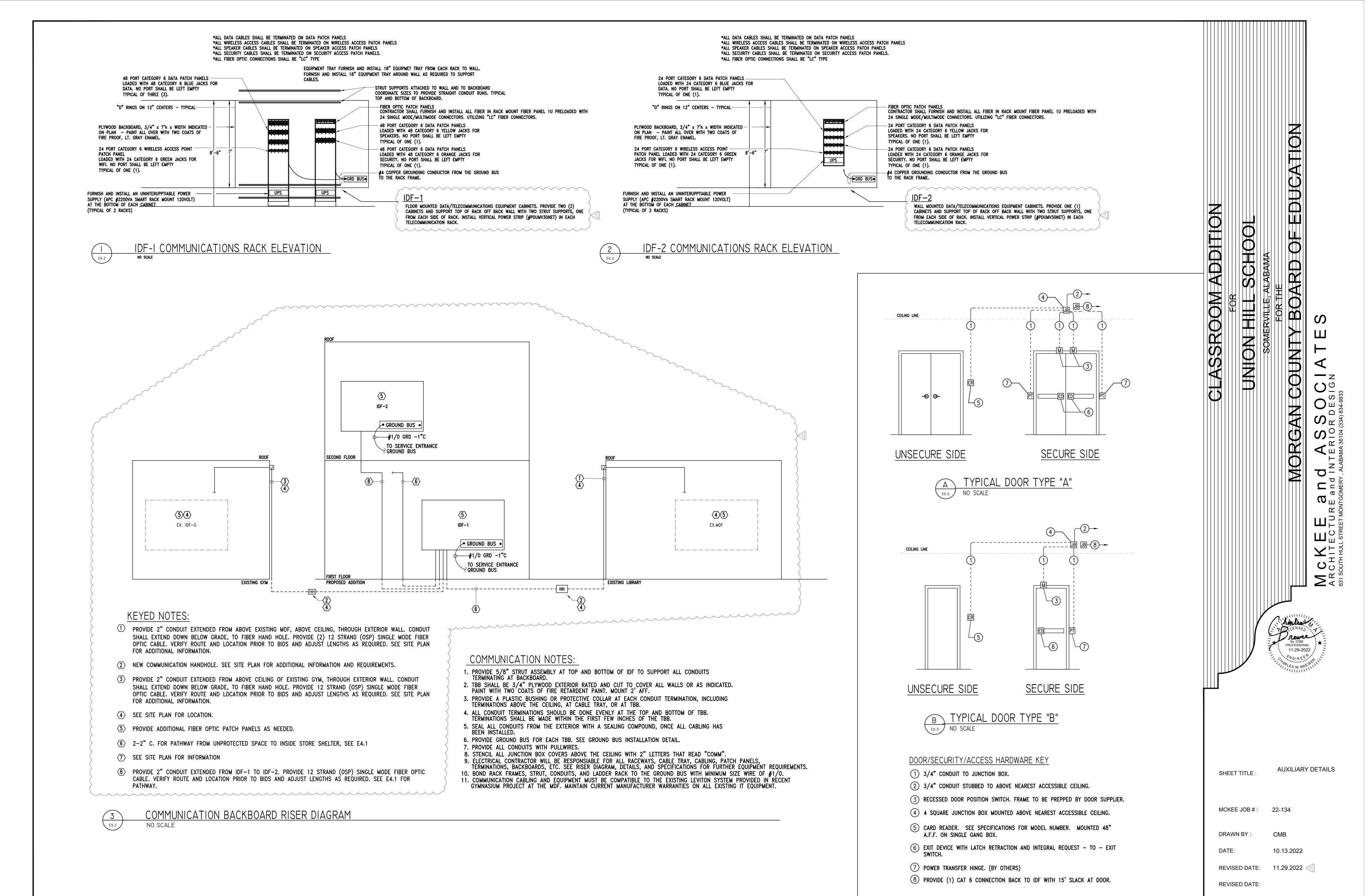
**REVISED DATE:** 

RISER DIAGRAM

AND NOTES

10.13.2022

11.29.2022 <1



Gy Gunn & Associates, P.C.
Consulting Engineers 3102 Highway 14 Millbrook, AL 36054 1200 Providence Park, Suite 200 Birmingham, AL 35242 SHEET NO.: GA#22-065

Tel: 334.285.1273

REVISED DATE: