PH&J architects
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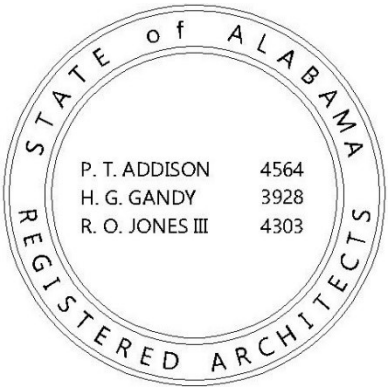
Patrick T. Addison, AIA Harrell G. Gandy, AIA Renis Jones III, AIA
Brian J. Klinkhammer, AIA Steven R. Hall, AIA

ADDENDUM #1

DATED: JULY 15, 2025



PROJECT: HUXFORD ELEMENTARY SCHOOL GYMNASIUM AND CLASSROOM ADDITION FOR ESCAMBIA COUNTY BOARD OF EDUCATION HUXFORD, ALABAMA
PH&J No: 2312SC
DCM No: 2023650
PSCA No. 9551

1A-1 GENERAL

This Addendum is hereby made part of the Bid/Contract Documents and as such shall be acknowledged with the Bid. Failure to do so may subject the Bidder to disqualification. The following conditions take precedence over conflicting conditions in the Specifications, on the Drawings, and in any other Supplementary Documents. When a change is called for on a Drawing, this change shall carry through all applicable drawings, including all related architectural, civil, structural, mechanical, plumbing, electrical drawings or other discipline employed by the architect of record. The Bid/Contract Documents are hereby addended in the following:

1A-2 BIDDING REQUIREMENTS (N/A)

1A-3 SPECIFICATIONS

1. **Storm Shelter Door Hardware Installers** (Par 0834.1.4.C.1): Add the following:

   "**Note: Hardware installers for the Storm Shelter Doors shall be trained and qualified by the manufacturer. Submit qualifications.**"

2. **Storm Shelter Door Hardware Installers** (Par 0870.A.2): Add the following to the Scope:

   "**Note: Hardware installers for the Storm Shelter Doors shall be trained and qualified by the manufacturer.**"

3. **Shelter First Aid Kit** (Par 1000B.9): Add the following paragraph:

   9. **Shelter First Aid Kit**: Provide seven (7) Class A first aid kits equal to First Aid Product.com Model Number URG-249L. Units shall be mounted on a wall as directed by the Owner inside the Shelter Area.

1A-4 DRAWINGS

1. **Life Safety Plan** (Sheet LS1.1): Substitute revised Life Safety Plan and Code Study, Sheet LS1.1 enclosed as **Attachment No. 1** for the sheet bound in the Drawings.

2. **Stage Details** (Sheet A8.1): Substitute revised Stage Details, Sheet A8.1 enclosed as **Attachment No. 2** for the sheet bound in the Drawings.

MECHANICAL

NA

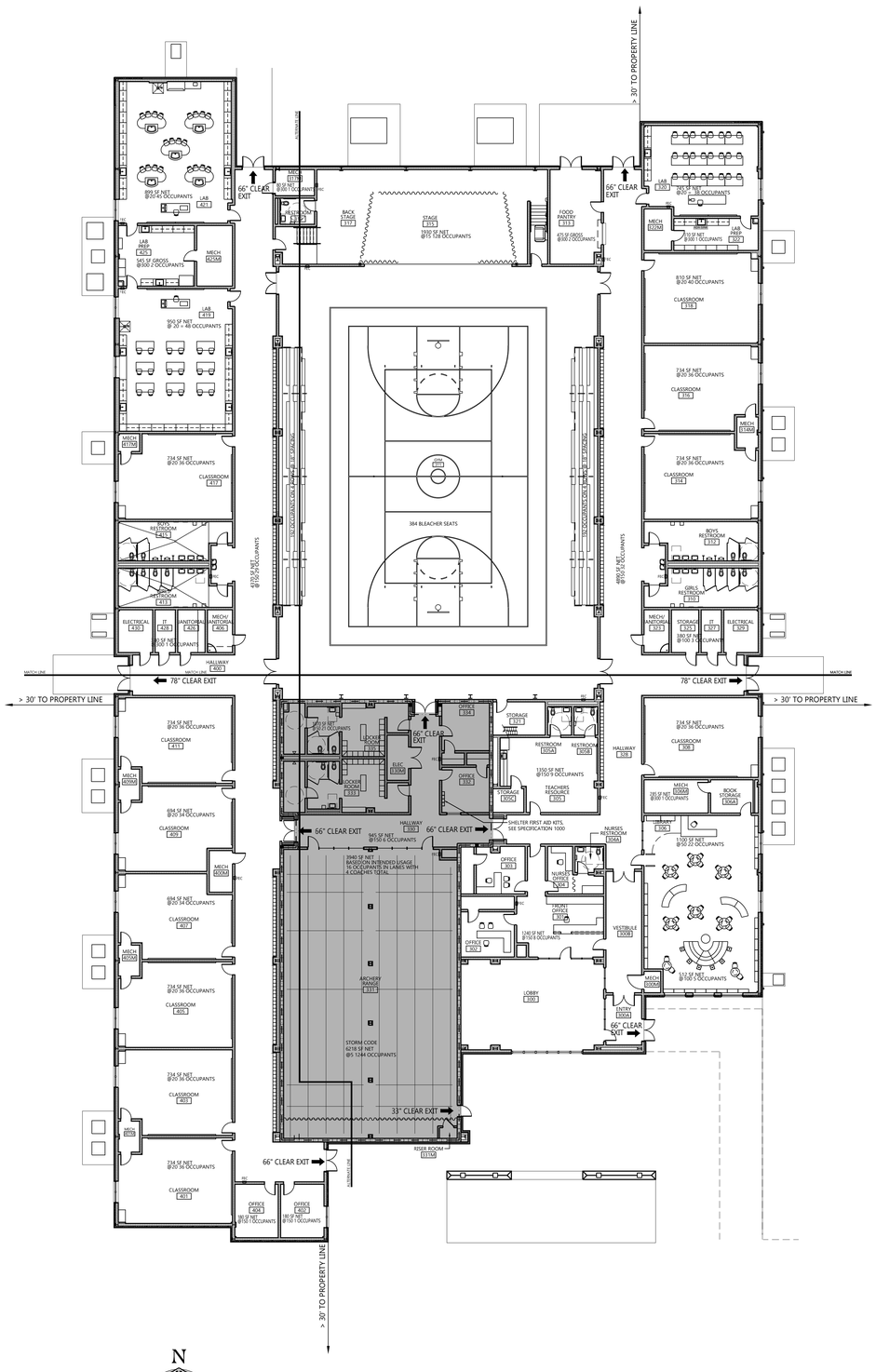
ELECTRICAL

1. **Electrical Revisions** (See Revised Sheets E0.1, E1.2, E2.1, E2.2, E3.1, E3.3, E3.4, E4.1, E4.2, E5.2, and E7.1): Substitute the revised sheets listed and enclosed as **Attachment No. 3** for the sheets bound in the Drawings.

A-5 ATTACHMENTS

Attachment No. 1	**Sheet LS1.1**
Attachment No. 2	**Sheet A8.1**
Attachment No. 3	**Electrical Drawings** E0.1, E1.2, E2.1, E2.2, E3.1, E3.3, E3.4, E4.1, E4.2, E5.2, and E7.1

End of Addendum



FLOOR PLAN

SCALE: 1/16" = 1'-0"

PLAN LEGEND

LIFE SAFETY TEXT - THIS INFORMATION IS PROVIDED FOR CODE PURPOSES ONLY AND IS NOT FOR CONSTRUCTION USE.

FIRE EXTINGUISHER CABINET	FEC
ELECTRIC WATER COOLER	EWC
PRIMARY EGRESS ROUTE	⬅
EGRESS WIDTH	78" CLEAR EXIT
2 HR WALL ASSEMBLY	═

CODE STUDY

CODES USED:

IBC	2021
IPC	2021
IMC	2021
NEC	2020
ADA	2010 STANDARDS

CHAPTER 3 - OCCUPANCY

303.4 OCCUPANCY: EDUCATION (E), ASSEMBLY (A-4), BUSINESS (B), AND STORAGE (S-2)

CHAPTER 5 - BUILDING HEIGHT AND AREA

TABLE 504.3 AND 504.4: ALLOWABLE BUILDING HEIGHTS TYPE IIB, SPRINKLERED
EDUCATION = 75', 3 STORY
MEAN ROOF HEIGHT OF BUILDING: **24'-6"** & ONE(1) STORY

TABLE 506.2 ALLOWABLE AREA TYPE IIB, SPRINKLERED
EDUCATION = 58,000 SF

ACTUAL BUILDING AREA = 49,858 SF

SECTION 508 MIXED USE OCCUPANCY

508.3 NONSEPARATED USES

508.3.2 ALLOWABLE HEIGHT AND AREA SHALL BE BASED ON EDUCATION

MAXIMUM ALLOWABLE HEIGHT = 75' AND 3 STORY
MAXIMUM ALLOWABLE AREA = 58,000 SF

CHAPTER 6 - CONSTRUCTION TYPES

TABLE 601 - FIRE RESISTANCE RATING OF STRUCTURAL ELEMENTS
CONSTRUCTION TYPE: IIB

PRIMARY FRAME	0 HR
BEARING EXTERIOR WALLS	0 HR
BEARING INTERIOR WALLS	0 HR
NON BEARING EXTERIOR WALLS	SECTION 602
NON BEARING INTERIOR WALLS	0 HR
FLOOR CONSTRUCTION	0 HR
ROOF CONSTRUCTION	0 HR

CHAPTER 7 - FIRE & SMOKE PROTECTION
TABLE 705.8 MAXIMUM AREA OF OPENINGS

DISTANCE	DEGREE OF OPENING	ALLOWABLE AREA
30'≤	UP/S	NO LIMIT

TABLE 706.4 FIRE WALL FIRE RESISTANCE

OCCUPANCY	RATING
E	3 HR

SECTION 713 SHAFT ENCLOSURES
713.4 FIRE RESISTANCE RATING
SHAFT ENCLOSURES SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES.

TABLE 716.5 OPENING PROTECTION ASSEMBLIES: N/A

SECTION 720.2 CONCEALED INSULATION: FLAME SPREAD < 25 AND SMOKE DEVELOPMENT < 450.

CHAPTER 8 - INTERIOR FINISHES

TABLE 803.13 - SPRINKLERED

OCCUPANCY	EXITS	CORRIDOR	ROOMS
EDUCATION	B	C	C
ASSEMBLY A-4	B	B	C
BUSINESS	B	C	C
STORAGE	B	C	C

CHAPTER 9 - FIRE PROTECTION SYSTEMS

FIGURE 903.2 OCCUPANCY RELATED SPRINKLER THRESHOLD

OCCUPANCY	THRESHOLD	EXCEPTION
E	SPRINKLERS REQUIRED	NONE

REQUIRED TO HAVE AN AUTOMATIC SPRINKLER SYSTEM

SECTION 906 PORTABLE FIRE EXTINGUISHERS
PORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED PER IFC.

SECTION 907 MANUAL FIRE ALARM - ARE REQUIRED PER FIGURE 907.2

OCCUPANCY	THRESHOLD
E	OCCUPANTS > 50 OCCUPANT LOAD: 1320 > 50

TABLE 1004.1.1 MAXIMUM FLOOR ALLOWANCES PER OCCUPANT

EDUCATION	9140 SF @ 20 GROSS	= 457 PERSONS
	4947 SF @ 50 GROSS	= 99 PERSONS
ASSEMBLY W/O FIXED SEATS	FIXED SEATING	= 384 PERSONS
BUSINESS	13155 @ 150 GROSS	= 87 PERSONS
EXERCISE AREA	1070 SF @ 50 GROSS	= 21 PERSONS
	3940 SF @ PURPOSE	= 20 PERSONS
STORAGE AREA	2375 SF @ 300 GROSS	= 8 PERSONS
TOTAL OCCUPANT LOAD:		= 1076 PERSONS

SECTION 1005.3.2 OTHER EGRESS COMPONENTS
THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD OF 1320 BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT = 264" REQUIRED; 288" PROVIDED

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE MEASUREMENT

OCCUPANCY	DISTANCE WITH SPRINKLERS
E	250'

TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	CORRIDOR LOAD	REQUIRED FIRE RATING (HRS)
E	X > 30	0 (W/ SPRINKLERS)

SECTION 1020.5 DEAD ENDS W/ SPRINKLERS SHALL NOT BE GREATER THAN 50'.

2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

EDUCATION (E) = 556 PERSONS (278 PER SEX)

MALE W/C	1:50 = 5.56
FEMALE W/C	1:50 = 5.56
LAVS	1:50 = 11.12
EWC	1:100 = 5.56

ASSEMBLY (A-3) = 384 PERSONS (192 PER SEX)

MALE W/C	1:125 = 1.6
FEMALE W/C	1:65 = 2.96
LAVS	1:200 = 1.92
EWC	1:500 = .768

BUSINESS (B) = 87 PERSONS (44 PER SEX)

MALE W/C	1:125 = .35
FEMALE W/C	1:65 = .68
LAVS	1:200 = .44
EWC	1:500 = .17

EXERCISE (EX) = 41 PERSONS (21 PER SEX)

MALE W/C	1:125 = .17
FEMALE W/C	1:65 = .32
LAVS	1:200 = .21
EWC	1:500 = .08

STORAGE (S-1) = 8 PERSONS

W/C	1:100 = .08
LAVS	1:100 = .08
EWC	1:1000 = .00

TOTAL W/C = 20.06 ∴ 17 REQUIRED & 24 PROVIDED
TOTAL LAVS = 14.99 ∴ 14 REQUIRED & 18 PROVIDED
TOTAL EWCS = 7.07 ∴ 7 REQUIRED & 2 PROVIDED (HI/LOW UNIT)
1 SERVICE SINK REQUIRED & PROVIDED

SHELTER CODE STUDY

ICC 500-2020

SECTION 104.1 STORM SHELTER WITHIN HOST BUILDING
THE FACILITY IS DESIGNED TO BE OCCUPIED BY OTHER PURPOSES EXCEPT DURING A STORM

SECTION 106.2 INFORMATION REQUIRED
-COMMUNITY TORNADO SHELTER
-BUILDING OCCUPANTS ONLY
-DESIGN CONFORMS TO THE ICC 500 STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS, 2020
-SHELTER DESIGN WIND SPEED IS 200MPH
-WIND EXPOSURE CATEGORY IS "C"
*-INTERNAL PRESSURE COEFFICIENT = +/- 0.55
-TOPOGRAPHICAL FACTOR = 1.0
*-DIRECTIONALITY FACTOR = 1.0
-SHELTER IS NOT LOCATED IN AN AREA SUSCEPTIBLE TO FLOODING
-SEE ARCHITECTURAL PLANS AND DETAILS FOR SHELTER LOCATION
-SHELTER IS DESIGNED FOR THE 253 OCCUPANTS OF THE BUILDING
-USABLE FLOOR AREA IS ~ 3968 (5523) SQFT
*-VENTING AREA, NOT REQUIRED SINCE USING +/- 0.55 FOR INTERNAL PRESSURE
-SEE STRUCTURAL PLANS AND DETAILS FOR FOUNDATION AND ANCHORING DETAILS

7336 SF NET OF EDUCATION
@30 SQFT/OCC = 245 OCC
X10% = 25 + 245 = 270 OCC
\+ 2 WHEELCHAIRS

SECTION 504 EGRESS
6218 SQFT @ 5 NET = 1244 PERSONS
THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD OF 1244 BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT = 248.8" REQUIRED; 267" PROVIDED

SECTION 702 TORNADO SHELTERS WATER CLOSET
COMMUNITY, DESIGN OCCUPANT CAPACITY ≥50:
WATER CLOSET- 1 PER 250 FOR FIRST 500, 1 PER 500 AFTER: 4 REQUIRED & 4 PROVIDED
LAVATORIES- 1 PER 1000, 1 REQUIRED & 2 PROVIDED

ADDENDUM 1
ATTACHMENT 1

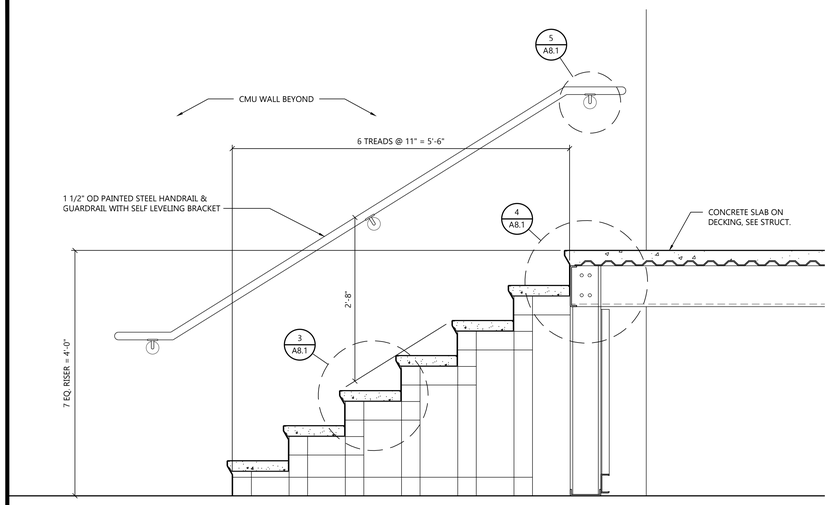
PH&J architects inc.
Montgomery, Alabama

HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

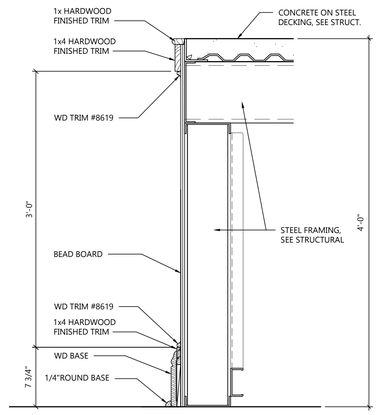
P. T. ADDISON 4564
H. G. GANDY 3928
R. O. JONES III 4503

DRAWN CW/RTS	CHECK HG
DATE	06/18/2025
REVISED	07/15/2025
REVISED	
SHEET TITLE	LIFE SAFETY PLAN
JOB NO.	PHJ # 2312SC DCM# 2023650 PSCA# 9551
SEQUENCE NO.	14 OF 124

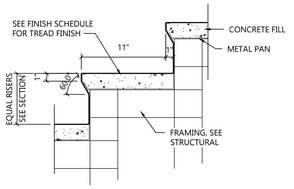
LS1.1



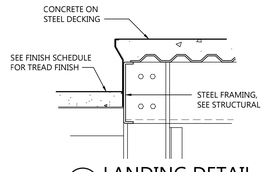
1 A8.1 STEP SECTION @ STAGE 315, TYP.
SCALE: 1" = 1'-0"



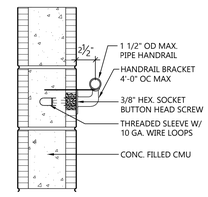
2 A8.1 STAGE TRIM DETAIL
SCALE: 1 1/2" = 1'-0"



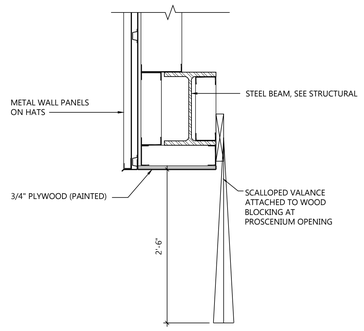
3 A8.1 STAIR DETAIL
SCALE: 1 1/2" = 1'-0"



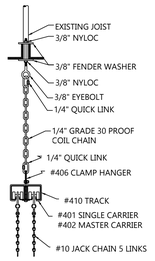
4 A8.1 LANDING DETAIL
SCALE: 1 1/2" = 1'-0"



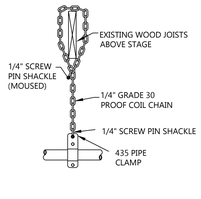
5 A8.1 HANDRAIL BRACKET
SCALE: 1 1/2" = 1'-0"



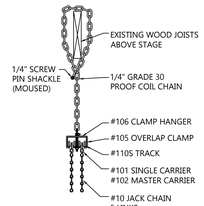
6 A8.1 VALANCE CURTAIN
SCALE: 1" = 1'-0"



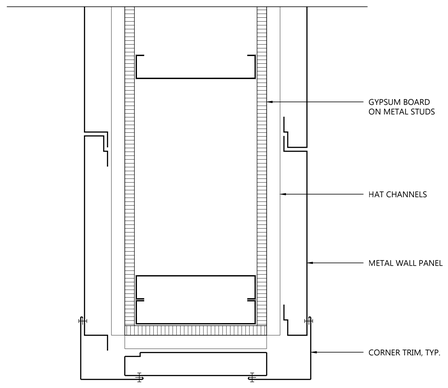
7 A6.7 FRONT CURTAIN ATTACHMENT
SCALE: 1" = 1'-0"



8 A8.1 DEAD-HUNG RIGGING ATTACHMENT
SCALE: 1" = 1'-0"



9 A8.1 REAR CURTAIN ATTACHMENT
SCALE: 1" = 1'-0"



10 A8.1 CORNER TRIM DETAIL @ STAGE WALL
SCALE: 1 1/2" = 1'-0"

ADDENDUM 1
ATTACHMENT 2

PHJ architects inc.
Alabama
Montgomery,

HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

STATE OF ALABAMA
REGISTERED ARCHITECTS
P. T. ADDISON 4564
H. G. GANDY 3928
R. O. JONES III 4503

DRAWN RTS/RB	CHECK HG
DATE	06/18/2025 RTA
REVISED	07/15/2025
REVISED	
REVISED	

SHEET TITLE
STAGE DETAILS

JOB NO. PHJ # 2312SC
DCM# 2023650
PSCA# 9551

SEQUENCE NO. 48 OF 124

A8.1

HUXFORD ELEM ADD. 2312SC

5s

CEILING OUTLETS

- RECESSED 2'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- RECESSED 2'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- RECESSED 1'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- RECESSED 1'x4' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- RECESSED 2'x2' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- RECESSED 2'x2' LAY-IN FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- SURFACE OR PENDANT MOUNTED LINEAR STRIP FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- SURFACE OR PENDANT MOUNTED LINEAR STRIP FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- RECESSED OR SURFACE MOUNTED DOWNLIGHT, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- RECESSED OR SURFACE MOUNTED DOWNLIGHT, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- RECESSED OR SURFACE MOUNTED ROUND FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- RECESSED OR SURFACE MOUNTED ROUND FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL. 'EMERGENCY POWER'.
- CEILING MOUNTED SINGLE FACE EXIT SIGN, ARROWS AS SHOWN ON DRAWINGS.
- CEILING MOUNTED DOUBLE FACE EXIT SIGN, ARROWS AS SHOWN ON DRAWINGS.
- CEILING MOUNTED JUNCTION BOX.
- DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED.
- G DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED.
- V DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED. MOUNT IN 4"x4"x2" BOX. PROVIDE STEEL BARRIER BETWEEN CATV/RECEPTACLE AND CONNECTOR WITH BUSHING FOR CATV CABLE.
- AD CEILING MOUNTED JUNCTION BOX FOR AUTOMATIC DOORS.
- JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
- JUNCTION BOX WITH FLEXIBLE CONNECTION TO FIXTURE.
- * ALL EMERGENCY LIGHTING SHALL BE PROVIDED WITH SELF-CONTAINED EMERGENCY BATTERY. GENERATOR IS STAND-BY ONLY.

WALL OUTLETS

- WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- WALL MOUNTED SINGLE FACE EXIT SIGN, ARROWS AS SHOWN ON DRAWINGS.
- WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL.
- 2 WALL MOUNTED FIXTURE, MARK 'A' CIRCUIT NUMBER 2, TYPICAL, 'EMERGENCY POWER'.
- BATTERY OPERATED EMERGENCY FIXTURE.
- DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- G DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- W DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED, PROVIDE WEATHERPROOF WHILE IN USE BOX FOR RECEPTACLE.
- SB DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT AS DIRECTED FOR SMARTBOARD.
- DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- G DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- G QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED.
- DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- G QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER.
- QUADRAPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" A.F.F. TO CENTER LINE FOR DRINKING FOUNTAIN.
- TP DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS OTHERWISE NOTED, TAMPER-PROOF.
- CM DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, GFI, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR COFFEE MAKER, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- MW DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, GFI, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR MICROWAVE, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- R DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, GFI, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR REFRIGERATOR, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- UCR DUPLEX RECEPTACLE – 20AMP., 125 VOLT, 2 POLE, GFI, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CONNECTION FOR UNDER COUNTER REFRIGERATOR, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- V DUPLEX RECEPTACLE – 20AMP., 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT IN 4"x4"x2" BOX. PROVIDE STEEL BARRIER BETWEEN CATV/RECEPTACLE AND CONNECTOR WITH BUSHING FOR CATV CABLE.
- SINGLE RECEPTACLE – SEE DRAWINGS FOR NEMA CONFIGURATION.
- WALL MOUNTED JUNCTION BOX SIZE NOTED OR REQUIRED WITH BLANK SCREW COVER.
- WALL MOUNTED JUNCTION BOX SIZE NOTED OR REQUIRED WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION.
- P WALL MOUNTED JUNCTION BOX SIZE NOTED OR REQUIRED WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT POWER CONNECTION FOR PREWIRED MODULAR FURNITURE. 3#10 & 3#10(NEUTRAL) & 1#10 (GROUND) 1"C.
- PLUGMOLD ASSEMBLY WITH RECEPTACLES SPACED EVERY 24" ON CENTER. ALTERNATE CIRCUITS FOR EVERY OTHER RECEPTACLE. VERIFY LENGTH ON FLOOR PLANS. PROVIDE 1-1/4"C. FOR COMMUNICATION CABLING UP ABOVE ACCESSIBLE CEILING. SIMILAR TO WIREMOLD #4000 DESIGNER SERIES.
- * ALL RECEPTACLES MOUNTED IN STUDENT AREAS SHALL BE TAMPER PROOF RECEPTACLES.
- * ALL EMERGENCY LIGHTING SHALL BE PROVIDED WITH SELF-CONTAINED EMERGENCY BATTERY. GENERATOR IS STAND-BY ONLY.

WALL SWITCHES (MOUNT 48" A.F.F. TO TOP OF BOX)

- $ A.C. TYPE, SINGLE POLE, 20AMP, 120/277 VOLT.
- 3 $ A.C. TYPE, 3-WAY, 20AMP, 120/277V VOLT.
- 4 $ A.C. TYPE, 4-WAY, 20AMP, 120/277V VOLT.
- a $ A.C. TYPE, 4-WAY, 20AMP, 120/277V VOLT, CONTROLS ZONE 'a'.
- IM $ ICE MACHINE DISCONNECT SWITCH, INSTALL RECESSED JUNCTION BOX WITH FUSE BLOCK AND FUSES (SIZE PER MANUFACTURER), AT 14"H. (COORDINATE LOCATION WITH EQUIPMENT TO BE USED). INSTALL MANUAL MOTOR SWITCH AT 48"H. ENGRAVE JUNCTION BOX COVER TO READ 'ICE MACHINE FUSES'.
- $$ TWO SWITCHES IN TWO GANG BOX UNDER ONE WALLPLATE (NOTE: IF SWITCHES ARE CONNECTED TO DIFFERENT PANELBOARDS PROVIDE STEEL BARRIER BETWEEN SWITCHES.).
- MC $ MOMENTARY CONTACT, 15A., 3-POSITION.
- T $ MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS, A.C. TYPE, 20AMP, 120/277 VOLT.
- M $ MOTOR RATED TOGGLE SWITCH DISCONNECT, WITHOUT THERMAL OVERLOADS, A.C. TYPE, 20AMP, 120/277 VOLT.
- M $ 30/1 MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS, A.C. TYPE, 30AMP, 120/277 VOLT.
- RL $ RAISE/LOWER SWITCH FOR PROJECTION SCREEN.

LIGHTING CONTROLS

- OS CEILING MOUNTED OCCUPANCY SENSOR.
- PP POWER PACK FOR OCCUPANCY SENSOR.
- L1 ROOM CONTROLLER – 1 ZONE DIMMING.
- L2 ROOM CONTROLLER – 2 ZONE DIMMING.
- L3 ROOM CONTROLLER – 3 ZONE DIMMING.
- EL U.L. 924 TRANSFER DEVICE TO BRING DIMMED FIXTURES TO 100%.
- RC ROOM CONTROLLER – ON/OFF NO DIMMING.
- D1 WALL DIMMER – ON/OFF & 0-10V 1-ZONE DIMMING.
- D2 WALL DIMMER – ON/OFF & 0-10V 2-ZONE DIMMING.
- D3 WALL DIMMER – ON/OFF & 0-10V 2-ZONE DIMMING.
- $L LOW VOLTAGE SWITCH, 2-BUTTON.
- $L2 LOW VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL PANEL, 2-BUTTON.
- $L4 LOW VOLTAGE SWITCH CONNECTED TO LIGHTING CONTROL PANEL, 4-BUTTON.
- $ O1 OCCUPANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, ON/OFF.
- $ O2 OCCUPANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, ON/OFF, RAISE LOWER. 0-10V DIMMING.
- PUSH BUTTON, TOGGLE SWITCH, ROTARY SWITCH, ETC., FURNISHED WITH EQUIPMENT BY OTHER, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.
- P PHOTOCELL, TORK MODEL 5231 (120V), TWIST RECEPTACLE: TORK 2421.
- *COORDINATE WITH LIGHTING CONTROL DETAILS FOR MORE REQUIREMENTS.

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GROUND SLAB.
- RUN CONCEALED IN CEILING OR WALLS.
- EXISTING – REMOVE IF EXPOSED, ABANDON IF CONCEALED, REMOVE ALL CONDUCTORS.
- SURFACE MOUNTED CONDUIT, RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES.
- E EMERGENCY.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION.
- HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2#12 & 1#12 GROUND – 3/4"C. 3#12 & 1#12 GROUND – 3/4"C, 4#12 & 1#12 GROUND – 3/4"C, ETC AS PER NEC. LETTERS INDICATE PANELBOARD DESIGNATION.
- LA 10 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2#10 & 1#10 GROUND – 3/4"C. 3#10 & 1#10 GROUND – 3/4"C, 4#10 & 1#10 GROUND – 3/4"C, ETC AS PER NEC. LETTERS INDICATED PANELBOARD DESIGNATION.
- LA 8 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2#10 & 1#10 GROUND – 3/4"C. 3#10 & 1#10 GROUND – 3/4"C, 4#10 & 1#10 GROUND – 3/4"C, ETC AS PER NEC. LETTERS INDICATED PANELBOARD DESIGNATION.
- 6 WHERE A NUMBER IS SHOWN NEXT TO OR ON THE CIRCUIT OR HOMERUN, THE NUMBER INDICATES CONDUCTOR SIZE OTHER THAN #12 – NUMBER #6 CONDUCTORS INDICATED. PROVIDE GROUND SIZED PER NEC TABLE 250 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- RISER: UP, RUNNING TO SOURCE.
- RISER: DOWN, RUNNING TO SOURCE.

FIRE ALARM

- FACP FIRE ALARM SYSTEM CONTROL PANEL.
- ANN FIRE ALARM SYSTEM REMOTE ANNUNCIATOR.
- FPC FIRE ALARM SYSTEM REMOTE ANNUNCIATOR.
- NAC FIRE ALARM SYSTEM NOTIFICATION APPLIANCE CIRCUIT.
- FJ JUNCTION BOX WITH HINGED COVER AND TERMINAL STRIP. 24"x24"x8" MINIMUM SIZE. SIZE LARGER AS REQUIRED.
- F MINIMUM 3/4" CONDUIT UON. PROVIDE NUMBER AND TYPE OF CONDUCTORS AS REQUIRED BY MANUFACTURER. PROVIDE LARGER CONDUIT IF REQUIRED BY NEC.
- F FIRE ALARM SYSTEM MANUAL PULL STATION.
- FS FIRE ALARM SYSTEM VOICE EVAC SPEAKER.
- FSS FIRE ALARM SYSTEM VOICE EVAC SPEAKER/STROBE.
- FT COMBINATION CHIME AND LIGHT.
- FT ALARM SIGNAL LIGHT.
- FH FIRE ALARM SYSTEM SIGNAL HORN.
- FH FIRE ALARM SYSTEM SIGNAL HORN/STROBE.
- WP FH FIRE ALARM SYSTEM SIGNAL HORN/STROBE. WEATHERPROOF.
- FSS FIRE ALARM SYSTEM SUPERVISORY SWITCH.
- FTS FIRE ALARM SYSTEM TAMPER SWITCH.
- FFS FIRE ALARM SYSTEM FLOW SWITCH.
- FH FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR, 135 DEGREE/RATE OF RISER TYPE, CEILING MOUNTED.
- T FH FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR, 190 DEGREE/RATE OF RISER TYPE, CEILING MOUNTED.
- FSD FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR, CEILING MOUNTED.
- E FSD FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR, CEILING MOUNTED, ELEVATOR RECALL.
- F FIRE ALARM SYSTEM FLAME DETECTOR.
- DD FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN MECHANICAL DUCT.
- RP DD FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN MECHANICAL DUCT. PROVIDE AUXILIARY CONTACTS TO INITIATE SMOKE DAMPER CLOSURE, ADDRESSABLE. REMOTE ALARM PILOT LIGHT WITH KEY TEXT SWITCH.
- RT FIRE ALARM SYSTEM REMOVE TEST STATION.
- ZC FIRE ALARM SYSTEM ZONE MODULE, CONTROL TYPE.
- ZM FIRE ALARM SYSTEM ZONE MODULE, MONITOR TYPE.
- ZS FIRE ALARM SYSTEM ZONE MODULE, SIGNAL TYPE.
- FIRE ALARM SYSTEM MAGNETIC DOOR HOLDERS.
- F FIRE ALARM SYSTEM SUPERVISED CIRCUITING IN CONDUIT, RACEWAY INSTALLED CONCEALED
- FP FIRE ALARM SYSTEM FIREMANS PHONE, MOUNTED 48" A.F.F. TO CENTERLINE.

PANELS AND POWER

- PANELBOARD SURFACE MOUNTED.
- PANELBOARD FLUSH MOUNTED.
- CON CONTROL PANEL
- NON-FUSIBLE DISCONNECT SWITCH, XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING.
- FUSIBLE DISCONNECT SWITCH, XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING. FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS.
- CIRCUIT BREAKER, XX/YY WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES.
- MAGNETIC MOTOR STARTER, SIZE 1.
- COMBINATION NON-FUSIBLE DISCONNECT SWITCH AND STARTER, XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING.
- COMBINATION FUSIBLE DISCONNECT SWITCH AND STARTER, XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING. FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS.
- 2 MOTOR: SHOWN 2HP (TYPICAL)
- CIRCUIT BREAKER
- NONFUSIBLE SWITCH
- FUSIBLE SWITCH
- AUTOMATIC TRANSFER SWITCH
- AUTOMATIC TRANSFER SWITCH (OPEN TRANSITION) WITH BYPASS-ISOLATION
- DRAWOUT CONNECTION
- PAD MOUNTED TRANSFORMER
- LOAD BREAK CONNECTION
- GROUND
- METER
- GROUNDING ELECTRODE CONNECTION.
- ENGINE GENERATOR.

MISCELLANEOUS EQUIPMENT

- C CONTACTOR
- R RELAY
- T TRANSFORMER
- SITE LIGHTING POLE
- EXTERIOR POST TOP LIGHT
- WH WATER HEATER
- UH UNIT HEATER
- EF EXHAUST FAN
- GA GENERATOR ANNUNCIATOR PANEL
- VAV VARIABLE AIR VOLUME BOX
- ELE ELEVATOR CONTROLLER
- VFD VARIABLE FREQUENCY DRIVE
- GEN GENERATOR ANNUNCIATOR PANEL
- ATS AUTOMATIC TRANSFER SWITCH
- MTS MANUAL TRANSFER SWITCH
- TS TIME SWITCH

DRAWING CONVENTIONS

- NEW WORK
- EXISTING TO REMAIN
- XR EXISTING TO REMOVE
- EX EXISTING TO REMAIN
- XRR EXISTING TO BE RELOCATED
- XRP EXISTING TO BE REPLACED
- XRL EXISTING RELOCATED
- XR EXISTING TO BE REMOVED

FLOOR BOXES

- RECESSED FLOOR BOX WITH FULL EIGHT GANGS. SIMILAR TO WALKER RFB11 OR PRIOR APPROVED EQUALS. ARCHITECT TO SELECT FINISH.
  PROVIDE WITHIN 2-DUPLEX RECEPTACLES NEMA 5-20R.
  PROVIDE CONDUIT AS SHOWN ON DRAWINGS.
  PROVIDE TWO (2) 1-1/4" CONDUITS TO ABOVE ACCESSIBLE CEILING IN CORRIDOR.
  PROVIDE TWO (2) 1-1/4" CONDUITS TO TBB. PROVIDE ADDITIONAL CONDUITS AS SHOWN ON DRAWINGS.
  PROVIDE PROTECTIVE COLLAR FOR STUBS.
  PROVIDE WITH FLOOR EXTENSION FOR MOUNTING IN GYMNASIUM FLOOR.
- RECESSED FLOOR BOX WITH FULL EIGHT GANGS. SIMILAR TO WALKER RFB-119-SL OR PRIOR APPROVED EQUALS. ARCHITECT TO SELECT FINISH.
  PROVIDE WITHIN 2-DUPLEX RECEPTACLES NEMA 5-20R.
  PROVIDE CONDUIT AS SHOWN ON DRAWINGS.
  PROVIDE TWO (2) 1-1/4" CONDUITS TO ABOVE ACCESSIBLE CEILING IN CORRIDOR.
  PROVIDE TWO (2) 1-1/4" CONDUITS TO TBB. PROVIDE ADDITIONAL CONDUITS AS SHOWN ON DRAWINGS.
  PROVIDE PROTECTIVE COLLAR FOR STUBS.
  PROVIDE WITH FLOOR EXTENSION FOR MOUNTING IN GYMNASIUM FLOOR.
- A (X) RECESSED FLOOR BOX – QUADRAPLEX RECEPTACLE – 20AMP, 125 VOLT, 2-POLE, 3 WIRE, GROUNDED TYPE, NEMA 5-20R, PROVIDE WITH 8 GANG, ARCHITECT TO SELECT COLORS, SIMILAR TO WALKER EVOLUTION SERIES EFB85-OG/EFB610CTR/EFB610BTWK OR PRIOR APPROVED EQUAL FOR TYPICAL UNITS.
  PROVIDE TWO (2) 1-1/4" CONDUITS TO CABLE BASKET
  (X) INDICATES NUMBER OF RJ45 JACKS AND CAT6 CABLES BACK TO THE NEAREST TBB
  PROVIDE BARE CONCRETE RING WHERE INSTALLED IN FINISHED CONCRETE FLOOR.
- RECESSED FLOOR BOX – QUADRAPLEX RECEPTACLE – 20AMP, 125 VOLT, GFI, 2-POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R WITH 4-RJ45 CAT 6 JACKS, ARCHITECT TO SELECT COLORS, SIMILAR TO WALKER 881RC4 OR PRIOR APPROVED EQUAL.
- RECESSED POKE THRU FLOOR BOX – QUADRAPLEX RECEPTACLE – 20AMP, 125 VOLT, GFI, 2-POLE, 3 WIRE, GROUNDED TYPE, NEMA 5-20R WITH 4-RJ45 CAT 6 JACKS, ARCHITECT TO SELECT COLORS SIMILAR TO WALKER RC4 OR PRIOR APPROVED EQUAL.
- E RECESSED FLOOR BOX – INSTALLED FLUSH WITH RAISED FLOOR PANEL, PROVIDE WITH TWO (2) 120 VOLT, 20AMP, 2-POLE, 3 WIRE, GROUNDED TYPE, NEMA 5-20R RECEPTACLES WITH 4-RJ45 CAT 5E JACKS, ARCHITECT TO SELECT COLORS, SIMILAR TO WIREMOLD AF2 SERIES OR PRIOR APPROVED EQUAL.
- F RECESSED FLOOR BOX – WALKER NO. 88RC4 WITH SURFACE STYLE COVER, COLOR BY ARCHITECT. BOX TO INCLUDE (2) FACTORY PRE-WIRED NEMA 5-20R DUPLEX RECEPTACLES WITH MATCHING HOUSING ASSEMBLY AND (4) CAT6 RF45 CONNECTORS. PROVIDE WITH ALL FACEPLACES, ADAPTERS AND HARDWARE. PROVIDE A 1-1/4" CONDUIT FROM FLOOR BOX AUXILIARY COMPARTMENT TO ABOVE FINISHED CEILING.

MISCELLANEOUS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CKT	CIRCUITS
CL	CENTER LINE
CU	COPPER
CWP	COLD WATER PIPE
DIA	DIAMETER
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
EP	EXPLOSION PROOF
FMC	FLEXIBLE METAL CONDUIT
FLA	FULL LOAD AMPERES
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID METAL CONDUIT
GRD	GROUND
H	MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTERLINE
HP	HORSE POWER
KVA	KILOVOLT-AMPERES
KW	KILOWATT
KCMIL	THOUSAND CIRCULAR MILS
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MT	MOUNT
N	NEUTRAL
NIC	NOT IN CONTRACT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NTS	NOT TO SCALE
P	POLE
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	PVC (POLYVINYL CHLORIDE) CONDUIT
SLD	SINGLE LINE DIAGRAM
TBB	TELEPHONE BACKBOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSORS
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE
W	WIRE
WP	WEATHERPROOF
#	NUMBER
3R	NEMA 3R WEATHERPROOF ENCLOSURE
4X	NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

PHBJ architects inc.
Montgomery, Alabama

HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

ALABAMA REGISTERED
KENNETH RAY GUNN JR.
NO. 26988
PROFESSIONAL ENGINEER
Kenneth R. Gunn
7-10-25

DRAWN: FJP	CHECK: KRG
DATE	05-16-2025
REVISED	7/10/25 ADDENDUM 1
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SHEET TITLE: ELECTRICAL LEGEND & NOTES

JOB NO. 2312SC

SEQUENCE NO. 94 OF 124

E0.1

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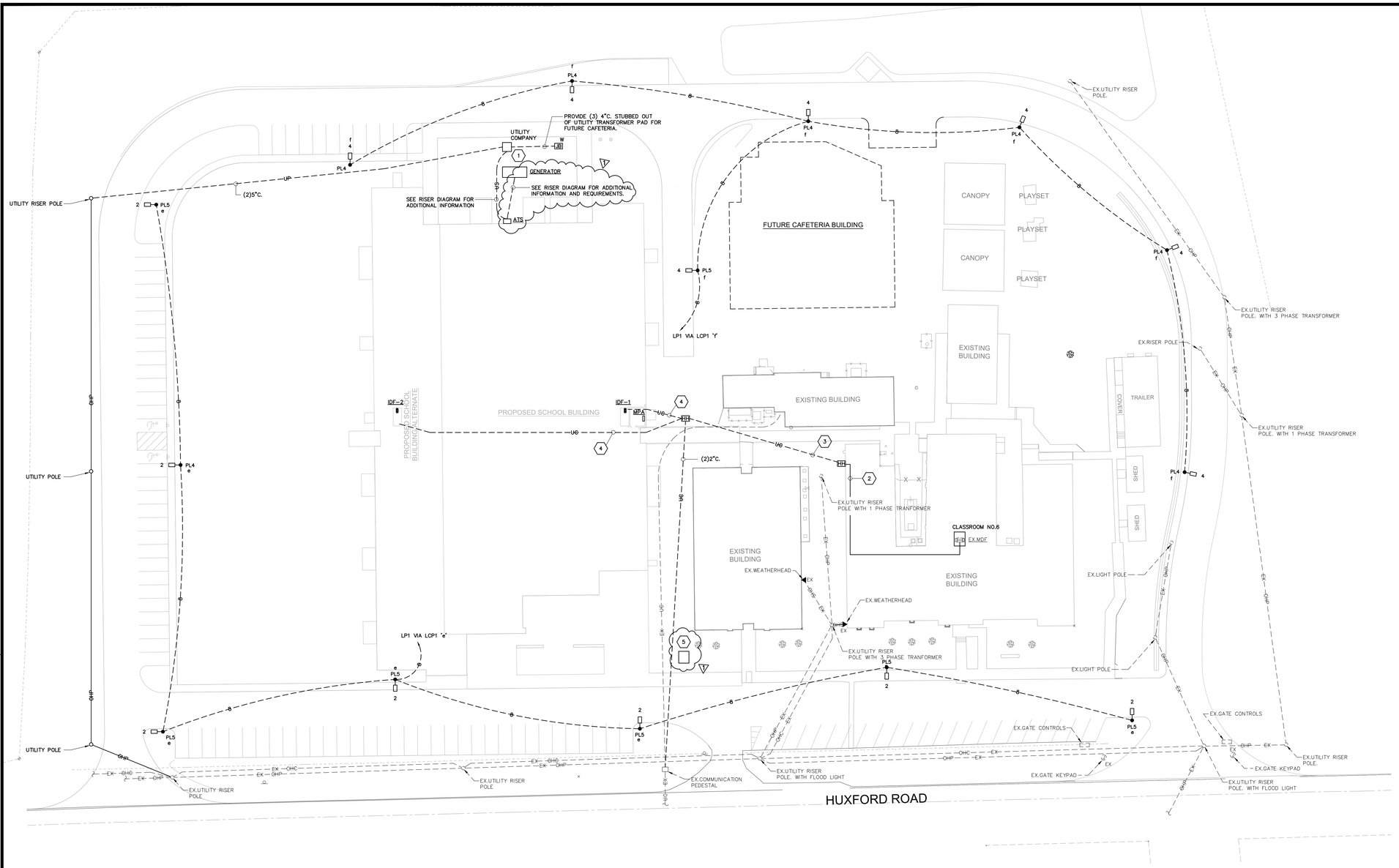
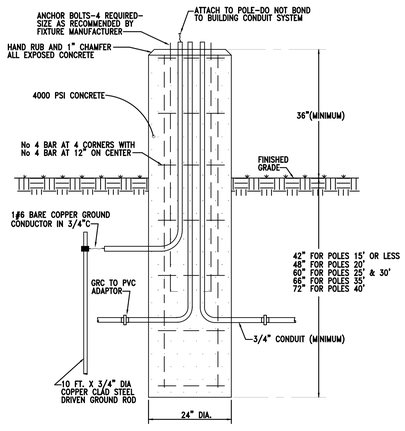


NOTES:

1. CONCRETE SHALL TEST TO BE 4,000 PSI STRENGTH IN 28 DAYS.
2. SEE LIGHT FIXTURE SCHEDULE FOR LIGHTING CONFIGURATION.
3. ALL DIMENSIONS SHALL BE COORDINATED AND COMPLY WITH GEOTECHNICAL REPORT.
4. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S RECOMMENDATIONS IF MORE STRINGET.
5. POLE BASE SHALL BE IN FULL CONTACT WITH THE CONCRETE BASE.
6.



1 / E2.2 DETAIL - TYPICAL ELEVATED CONCRETE POLE BASE 'PL5'
NO SCALE

SITE LEGEND

—OHP—	OVERHEAD ELECTRICAL BY UTILITY	Tx	PAD MOUNTED TRANSFORMER
—OHS—	OVERHEAD SECONDARY	T	POLE MOUNTED TRANSFORMER
– –UP– –	UNDERGROUND PRIMARY	●	UTILITY POLE
– –US– –	UNDERGROUND SECONDARY	▷●	UTILITY POLE WITH UTILITY FLOOD LIGHT
– –UC– –	UNDERGROUND COMMUNICATION	HH	NEW IN GRADE PULLBOX. PROVIDE 30"x48"Lx30"D IN-GRADE JUNCTION BOX FOR COMMUNICATIONS SYSTEM. BOX SHALL BE COMPOSITE MATERIAL OF HIGH STRENGTH WITH COVER AND STAINLESS STEEL INSERTS. COVER SHALL HAVE LOGO INDICATING CONTENTS WITHIN COMMUNICATIONS BOX SHALL BE DESIGNED FOR LIGHT TRAFFIC AREAS. MOUNT COVER FLUSH WITH GRAD. MOUNT ON A 12 INCH GRAVEL BED WITH 9 INCHES OF CONCRETE AROUND PERIMETER AND A 3 INCH SOIL TOP. SUBMIT BOX AND COVERS FOR APPROVAL. BOX TO BE EQUAL TO CDR SYSTEMS CORP., MEDEL #A10-3048-30.
—OC—	OVERHEAD COMMUNICATION		
– –UG– –	UNDERGROUND BRANCH CIRCUITING		
—OH—	OVERHEAD BRANCH CIRCUITING		

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.
5. ALL ELECTRICAL PRIMARY SITE WORK SHALL BE COORDINATE WITH GUNTERSVILLE ELECTRIC BOARD. PRIOR TO BID.

SHEET NOTES:

1. COORDINATE WITH UTILITY COMPANY FOR SPECIFIC LOCATION AND REQUIREMENTS OF TRANSFORMER PAD. SEE POWER RISER DIAGRAM SHEET E7.1 FOR ADDITIONAL INFORMATION.
2. ROUTE FIBER ABOVE CEILING. PENETRATE EXTERIOR WALL WITH LB AND TRANSITION BELOW GRADE. SEE FIBER BACKBONE RISER SHEET E8.1 FOR ADDITIONAL INFORMATION.
3. AS FIBER BACKBONE ROUTES UNDER GRADE PROVIDE (2) 2" CONDUIT WITH FIBER AS SHOWN ON RISER BACKBONE SHEET E8.1. BORE UNDER SIDEWALK AS REQUIRED TO HAND HOLE.
4. PROVIDE (1) 2"C. WITH FIBER AS INDICATED ON FIBER BACKBONE RISER SHEET E8.1. TURN CONDUIT UP INTO IT CLOSET ADJACENT TO DATA RACK.
5. TAMPER SWITCH AT WATER VAULT. COORDINATE EXACT LOCATION AND QUANTITY WITH CIVIL CONTRACTOR PRIOR TO ROUGH-IN.

SITE PLAN - ELECTRICAL NEW WORK

SCALE: 1" = 30'-0"

0' 15' 30' 60'

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HUXFORD ELEMENTARY SCHOOL
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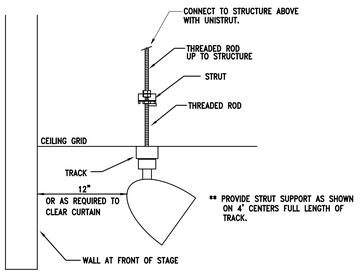
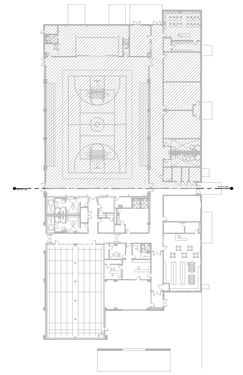
SHEET TITLE: SITE PLAN - ELECTRICAL NEW WORK
JOB NO.: 2312SC
SEQUENCE NO.: 97 OF 124

E1.2



1 / E2.1 STAGE TRACK LIGHT SUPPORT (FIXTURE "TI")

NO SCALE



KEY PLAN

SHEET NOTES:

1. WALL MOUNTED DMX CONTROLLER FOR RGB TRACK LIGHTING PROVIDE BRANCH CIRCUITING AS RECOMMENDED BY MANUFACTURER.
2. PROVIDE WIREGUARD FOR ALL EQUIPMENT IN GYMNASIUM.

FLOOR PLAN - NORTH - LIGHTING

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

0' 4' 8' 16' 24' 32'

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5s

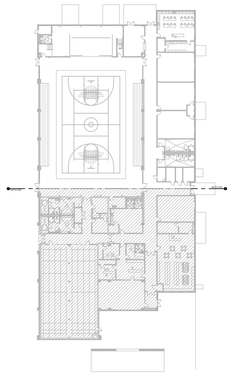
STORM SHELTER

STORM SHELTER:
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.

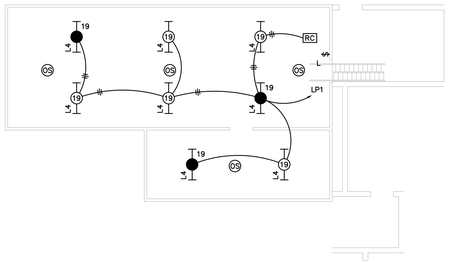
INDICATES AREA OF STORM SHELTER

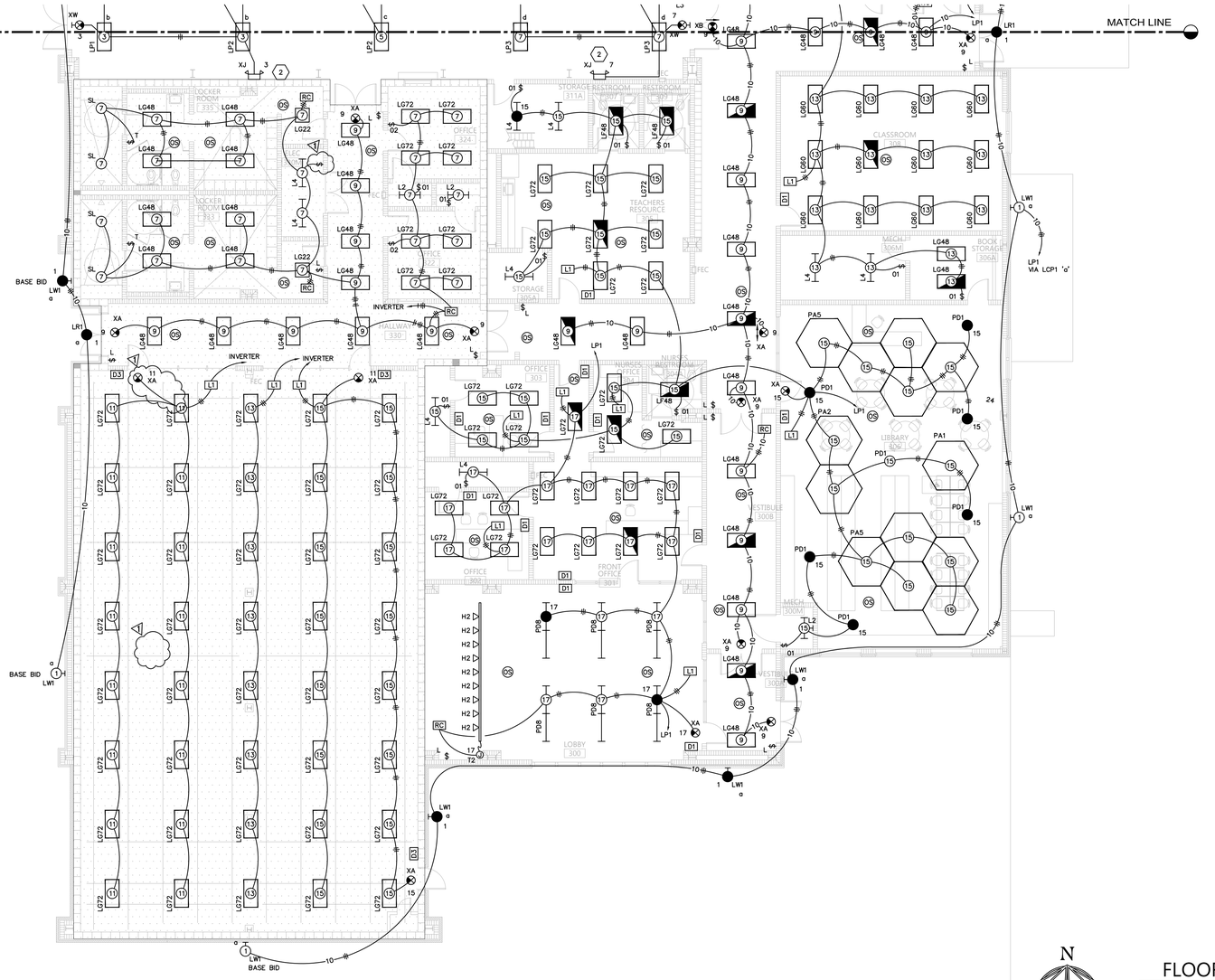
ROOM CONTROLLER NOTES:

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.



KEY PLAN





N
W E
S

MEZZANINE FLOOR PLAN - LIGHTING

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

0' 4' 8' 16' 24' 32'

N
W E
S

FLOOR PLAN - SOUTH - LIGHTING

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

0' 4' 8' 16' 24' 32'

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5s

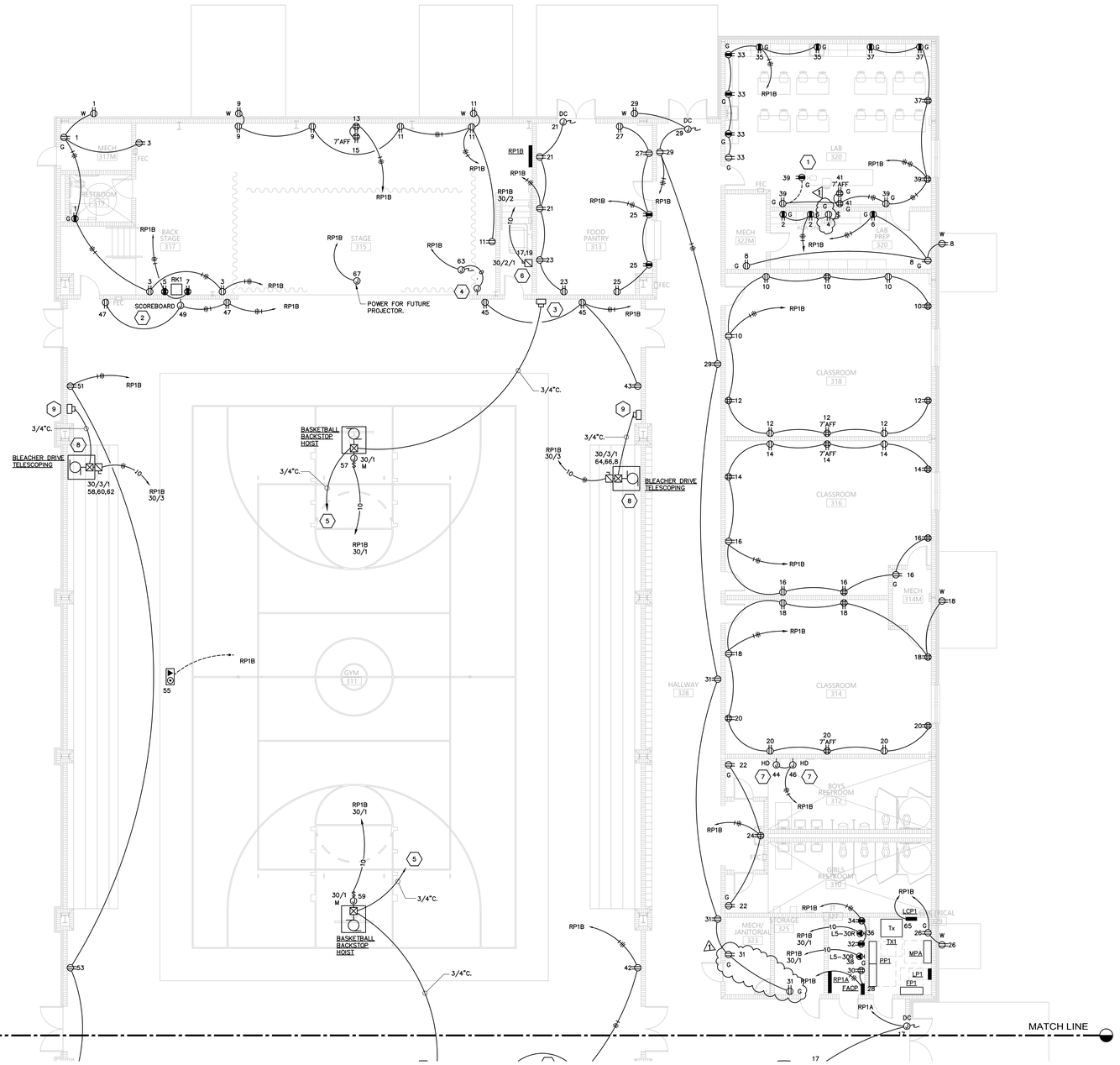
ASHRAE 90.1 2013

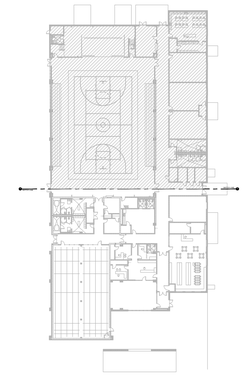
THE OWNER HAS REQUESTED EXEMPTION FOR THE FOLLOWING SECTIONS OF ASHRAE 90.1 2013.

1. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS.
2. SECTION 8.4.3 ELECTRIC ENERGY MONITORING.

SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE CASEWORK SHOP DRAWINGS AND ADJUST RECEPTACLE LOCATIONS. AS REQUIRED.
2. POWER FOR SCOREBOARD. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL PRIOR TO ROUGH-IN.
3. PUSHBUTTON CONTROL SWITCH – 3" DEEP SINLGE GANG BOX 48"AFF. PROVIDE WITH PROTECTIVE GUARD.
4. PROVIDE POWER FOR STAGE CURTAIN 120V., 20A. COORDINATE LOCATION AND RATING OF CURTAIN AND CURTAIN CONTROLS WITH OWNER PRIOR TO ROUGH-IN.
5. CONTRACTOR SHALL PROVIDE 3/4" CONDUIT TO BASKETBALL HOIST CONTROL PANEL.
6. CHAIR LIFT, 30A., 120/208V., 1PH., COORDINATE RATING AND CONTROLS WITH CHAIR LIFT VENDOR.
7. PROVISIONS FOR ELECTRIC HAND DRYER. MOUNT JUNCTION BOX BEHIND PAPER TOWEL DISPENSER AND WALL BLANK OFF. CIRCUIT BREAKERS FEEDING CIRCUITRY SHALL BE SWITCHED OFF AND WIRE DISCONNECTED.
8. TELESCOPING BLEACHER DRIVE, CONTROL SWITCH, CONTACTOR AND LIMIT SWITCHES FURNISHED WITH DRIVE. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL ELECTRICAL DEVICES, CONDUIT, CONTROL CIRCUITING AND POWER CIRCUITING. VERIFY THE LOCATIONS OF ALL DEVICES AND EQUIPMENT AND CIRCUITING REQUIREMENTS PRIOR TO ROUGH-IN.
9. PUSHBUTTON CONTROL SWITCH – 3" DEEP SINGLE GANG BOX 48"A.F.F. PROVIDE WITH PROTECTIVE GUARD.





KEY PLAN

N W E S

FLOOR PLAN - NORTH - POWER

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

0' 4' 8' 16' 24' 32'

PHJ architects inc.
Alabama
Montgomery,

HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

ALABAMA REGISTERED PROFESSIONAL ENGINEER KENNETH RAY GUNN, JR. NO. 26985 7-10-25

DRAWN: FJP	CHECK: KRG
DATE	05-16-2025
REVISED	7/10/25 ADDENDUM 1
REVISED	

SHEET TITLE: FLOOR PLAN - NORTH POWER

JOB NO. 2312SC

SEQUENCE NO. 102 OF 124

E3.1

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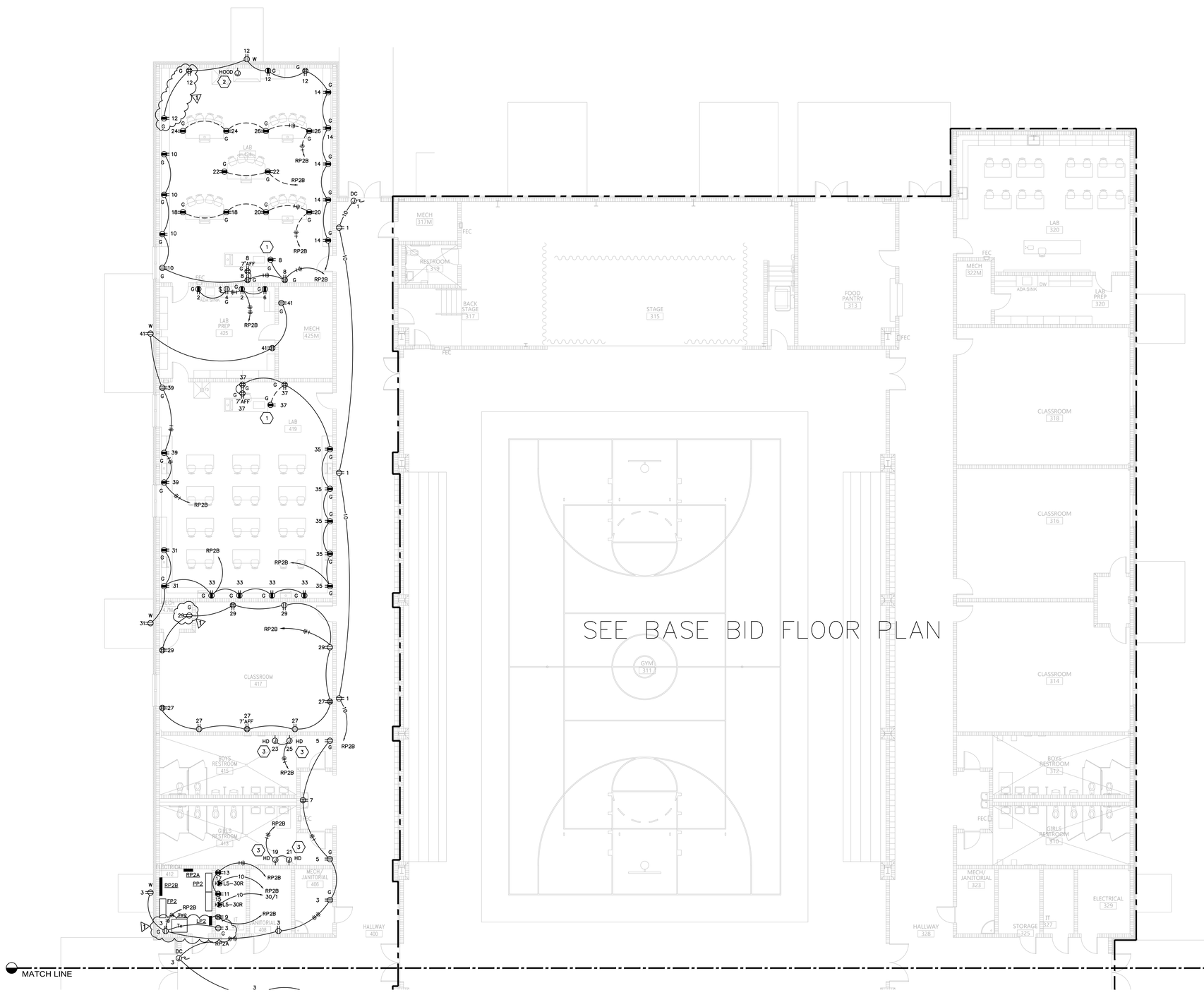

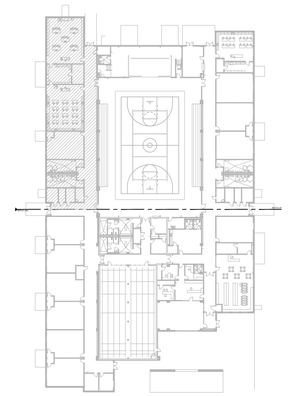

KEY PLAN

FLOOR PLAN ALT. - NORTH - POWER

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

0' 4' 8' 16' 24' 32'

SHEET NOTES:

1. CONTRACTOR SHALL COORDINATE CASEWORK SHOP DRAWINGS AND ADJUST RECEPTACLE LOCATIONS AS REQUIRED.
2. CONNECTION FOR HOOD AND HOOD LIGHTS. COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS. PROVIDE TOGGLE SWITCH FOR HOOD LIGHTS AS REQUIRED BY HOOD MANUFACTURER.
3. PROVISIONS FOR ELECTRIC HAND DRYER. MOUNT JUNCTION BOX BEHIND PAPER TOWEL DISPENSER AND WALL BLANK OFF. CIRCUIT BREAKERS FEEDING CIRCUITRY SHALL BE SWITCHED OFF AND WIRE DISCONNECTED.

ASHRAE 90.1 2013

THE OWNER HAS REQUESTED EXEMPTION FOR THE FOLLOWING SECTIONS OF ASHRAE 90.1 2013.

1. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS.
2. SECTION 8.4.3 ELECTRIC ENERGY MONITORING.

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FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

ALABAMA REGISTERED
Kenneth R. Gunn
NO. 26886
PROFESSIONAL
7-10-25
ENGINEER
KENNETH RAY GUNN, JR.

DRAWN: FJP	CHECK: KRG
DATE	05-16-2025
REVISED	7/10/25 ADDENDUM 1
REVISED	

SHEET TITLE: FLOOR PLAN - ALT. NORTH POWER

JOB NO. 2312SC

SEQUENCE NO. 104 OF 124

E3.3

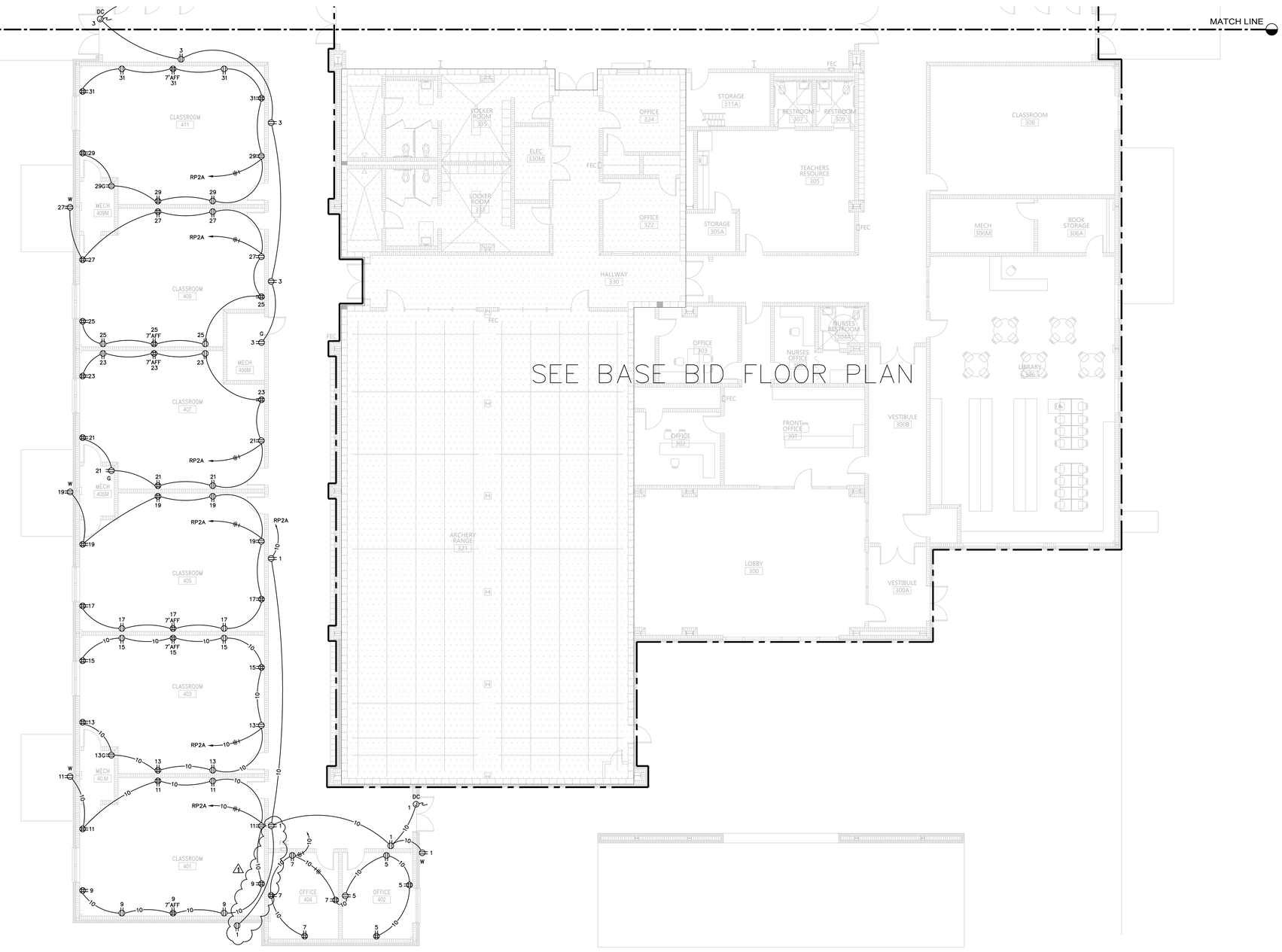
STORM SHELTER

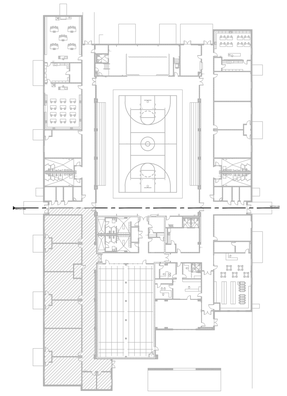
STORM SHELTER:
CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN 2". ANY PENETRATIONS SHALL CONFORM TO ICC 500.

INDICATES AREA OF STORM SHELTER

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.





KEY PLAN

N
W E
S

FLOOR PLAN - ALT. SOUTH - POWER

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

0' 4' 8' 16' 24' 32'

HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

PH&J architects inc.
Montgomery, Alabama

ALABAMA REGISTERED
KENNETH RAY CUNNYUP
NO. 26985
PROFESSIONAL ENGINEER
7-10-25

DRAWN: FJP	CHECK: KRG
DATE	05-16-2025
REVISED	
REVISED	

SHEET TITLE: FLOOR PLAN - ALT. SOUTH POWER

JOB NO.: 2312SC

SEQUENCE NO.: 105 OF 124

E3.4

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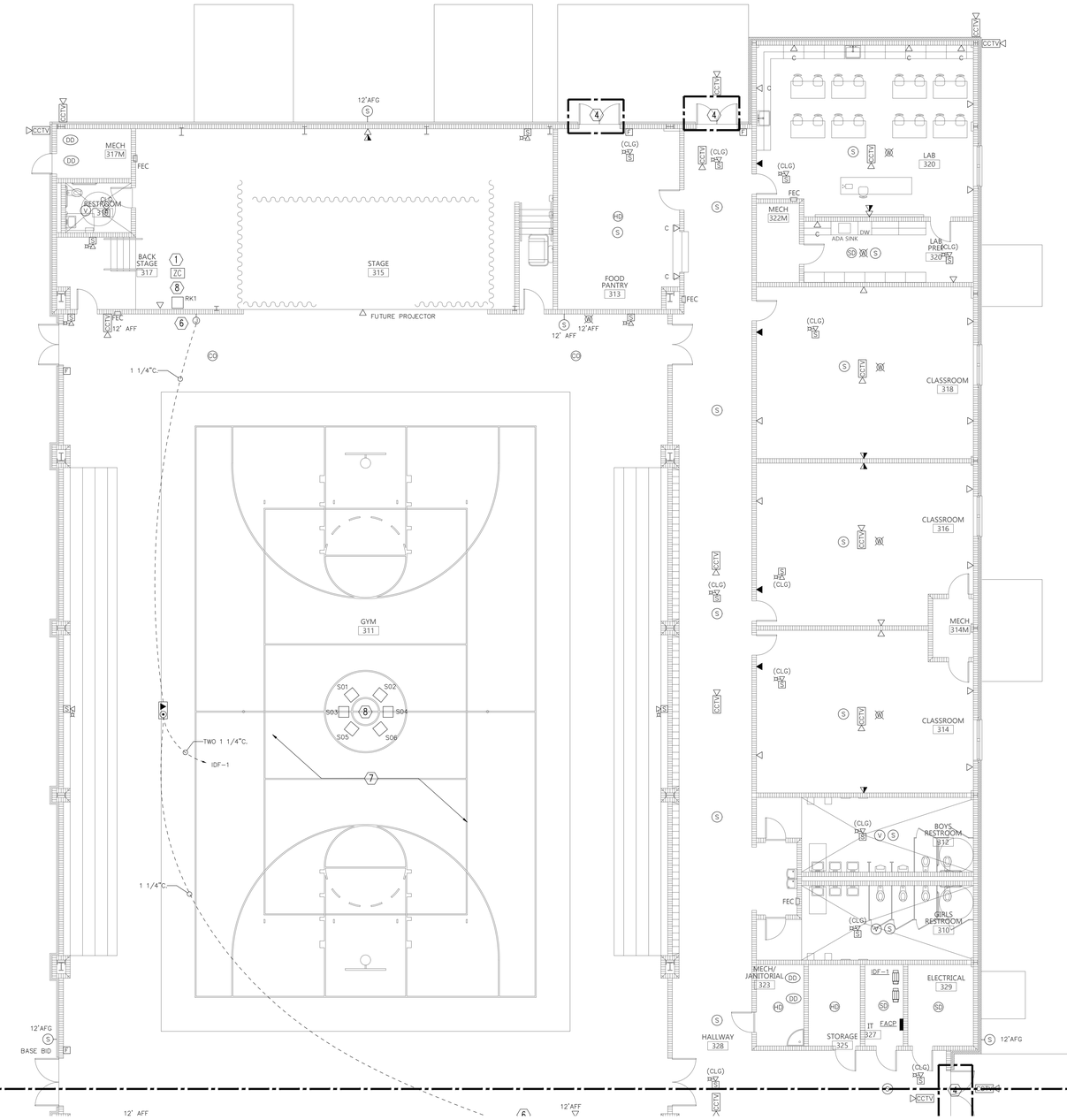

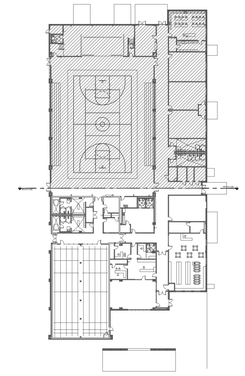

KEY PLAN

FLOOR PLAN - NORTH - AUXILIARY

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

0' 4' 8' 16' 24' 32'

KEYED NOTES:

1. PROVIDE FIRE ALARM CONTROL MODULE TO MUTE SOUND SYSTEM UPON FIRE ALARM.
2. NOTE USED.
3. NOTE USED.
4. PROVIDE SECURITY DOOR ROUGH PER TYPCIAL DOOR DETAIL B SHEET E8.2.
5. NOTE USED.
6. PROVISIONS FOR SCOREBOARD. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
7. ALL AUXILIARY DEVICES IN GYMNASIUM SHALL BE PROVIDED WITH WIREGUARD.
8. SEE SOUND SYSTEM DIAGRAM SHEET E4.7 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

PHJ architects inc.
Montgomery, Alabama

HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

ALABAMA REGISTERED No. 26905 PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 7-10-25

DRAWN: FJP	CHECK: KRG
DATE	05-16-2025
REVISED 7/10/25 ADDENDUM 1	
REVISED	

SHEET TITLE: FLOOR PLAN - NORTH AUXILIARY

JOB NO. 2312SC

SEQUENCE NO. 111 OF 124

E4.1

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1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#23-190

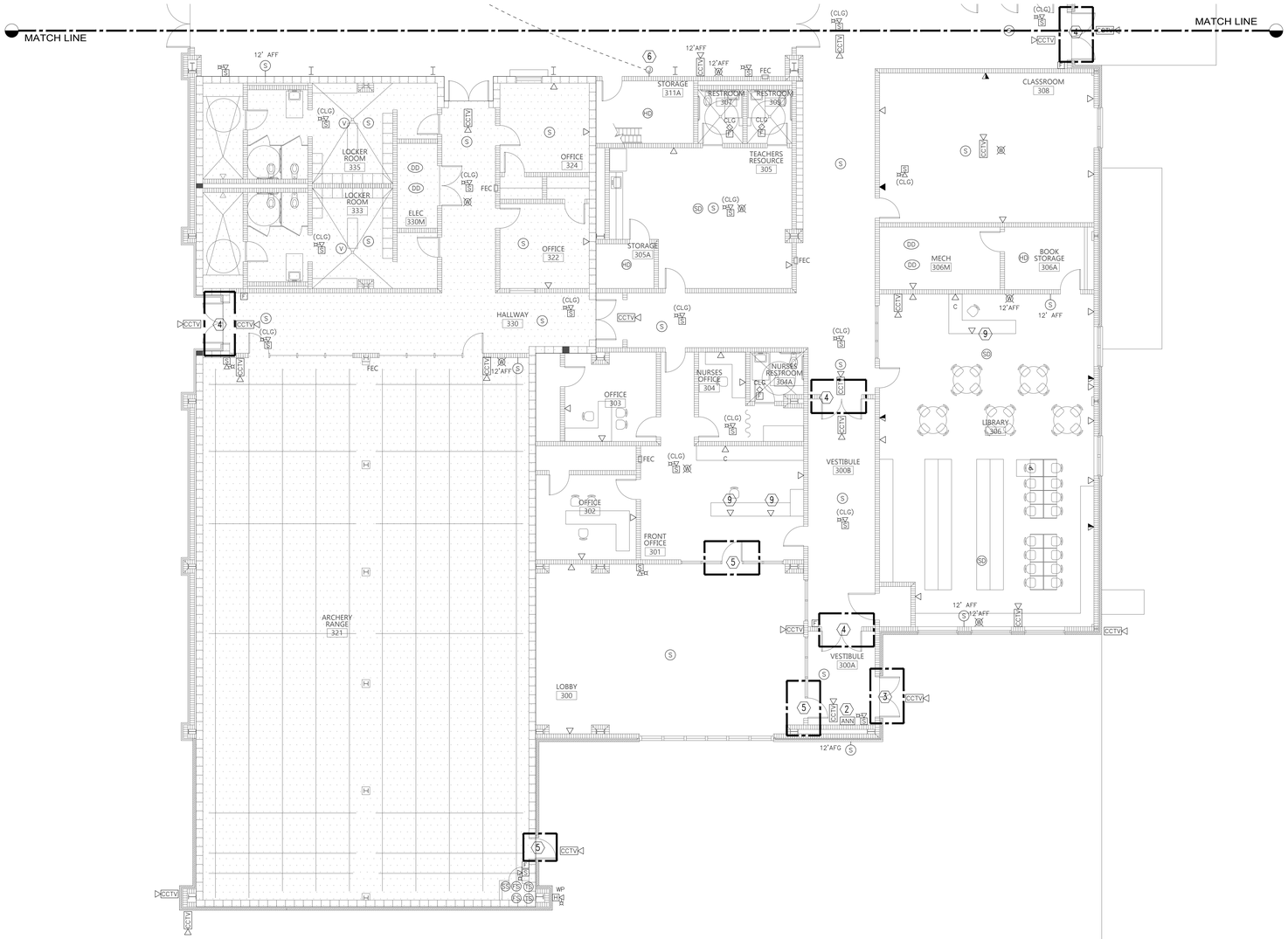
STORM SHELTER

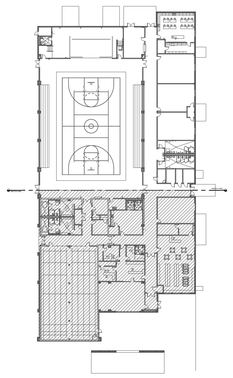
STORM SHELTER:
CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SUCH THAT THEY DO NOT PENETRATE THE STORM SHELTER WALLS OR CEILING. IF A PENETRATION IS REQUIRED, THEN THERE SHALL BE NO PENETRATION GREATER THAN 2". ANY PENETRATIONS SHALL CONFORM TO ICC 500.

INDICATES AREA OF STORM SHELTER

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.





KEY PLAN

FLOOR PLAN - SOUTH - AUXILIARY

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

0' 4' 8' 16' 24' 32'

KEYED NOTES:

1. NOT USED.
2. PROVIDE FLUSH MOUNTING FOR ANNUNCIATOR.
3. PROVIDE SECURITY DOOR ROUGH PER TYPCIAL DOOR DETAIL A SHEET E8.2.
4. PROVIDE SECURITY DOOR ROUGH PER TYPCIAL DOOR DETAIL B SHEET E8.2.
5. PROVIDE SECURITY DOOR ROUGH PER TYPCIAL DOOR DETAIL C SHEET E8.2.
6. PROVISIONS FOR SCOREBOARD. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
7. NOT USED.
8. NOT USED.
9. MOUNTED IN FURNITURE.

PHJ architects inc.
Alabama
Montgomery,

HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

ALABAMA REGISTERED PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 26988 7-10-25

DRAWN: FJP	CHECK: KRG
DATE	05-16-2025
REVISED	7/10/25 ADDENDUM 1
REVISED	

SHEET TITLE
FLOOR PLAN - SOUTH - AUXILIARY

JOB NO. 2312SC

SEQUENCE NO. 112 OF 124

E4.2

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PANELBOARD MPA

TYPE:1200 AMP MCB SHUNT TRIP	AIC: 65,000 AMPERES	MOUNTED: SURFACE	VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE					CIRCUIT				(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C	AMP	POLE	NUMBER		AMP	POLE	PHASE A	PHASE B	PHASE C	
PP1	123,456			600		1	2	800		134,836			PP2
		123,456				3	4				137,708		
			123,456		3	5	6		3			131,129	
LP1	7,643			100		7	8	400					SPARE
		8,302				9	10						
			4,935		3	11	12		3				
FP1	49,738			300		13	14	225					SPARE
VIA TX1		49,675				15	16						
			50,089		3	17	18		3				
BUSSED SPACE				225		19	20	225					BUSSED SPACE
						21	22						
					3	23	24		3				
BUSSED SPACE				100		25	26	100					SPARE
						27	28						
					3	29	30		3				
BUSSED SPACE				100		31	32	100					BUSSED SPACE
						33	34						
					3	35	36		3				
BUSSED SPACE				100		37	38	100					BUSSED SPACE
						39	40						
					3	41	42		3				
SUB TOTAL (VA)	180,837	181,433	178,480							134,836	137,708	131,129	

TOTAL LOAD PHASE A: 315,673 (VA)
TOTAL LOAD PHASE B: 319,141 (VA)
TOTAL LOAD PHASE C: 309,609 (VA)
TOTAL LOAD: 944,423 (VA) = 1136 AMPS

NOTES:

1. PROVIDE WITH INTEGRAL TVSS WITH 200,000 AMPS PER MODE PROTECTION.
2. PROVIDE PANELBOARD WITH INTEGRAL GROUND FAULT MONITORING.
3. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAILS.
4. PROVIDE ARC FAULT LABEL PER DETAIL DETAILS.

PANEL - PP1

TYPE: 600 AMP MAIN LUGS	AIC: 65,000 AMPERES	MOUNTED: SURFACE	VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE					CIRCUIT				(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C	AMP	POLE	NUMBER		AMP	POLE	PHASE A	PHASE B	PHASE C	
PHAC-A1	13,296			90		1	2	30		4,443			IHP-D1
		13,296				3	4				4,443		
			13,296		3	5	6		3			4,443	
PHAC-A2	13,296			90		7	8	30		5,581			IHP-E1
		13,296				9	10				5,581		
			13,296		3	11	12		3			5,581	
IHP-A1	4,304			30		13	14	30		3,776			IHP-F1
		4,304				15	16				3,776		
			4,304		3	17	18		3			3,776	
IHP-A2	4,304			30		19	20	30		3,776			IHP-G1
		4,304				21	22				3,776		
			4,304		3	23	24		3			3,776	
IHP-A3	4,304			30		25	26	30		3,638			IHP-J1
		4,304				27	28				3,638		
			4,304		3	29	30		3			3,638	
IHP-B1	9,275			50		31	32	50		9,275			IHP-K1
		9,275				33	34				9,275		
			9,275		3	35	36		3			9,275	
IHP-C1	4,443			30		37	38	20		2,271			OHP-A1
		4,443				39	40				2,271		
			4,443		3	41	42		3			2,271	
OHP-A2	2,271			20		43	44	20		1,745			OHP-G1
		2,271				45	46				1,745		
			2,271		3	47	48		3			1,745	
OHP-A3	2,271			20		49	50	20		1,745			OHP-J1
		2,271				51	52				1,745		
			2,271		3	53	54		3			1,745	
OHP-B1	4,570			30		55	56	30		4,570			OHP-K1
		4,570				57	58				4,570		
			4,570		3	59	60		3			4,570	
OHP-C1	2,326			20		61	62	30					SPARE
		2,326				63	64						
			2,326		3	65	66		3				
OHP-D1	2,326			20		67	68	60					SPARE
		2,326				69	70						
			2,326		3	71	72		3				
OHP-E1	2,576			20		73	74	60		11,329			IHP-H1/BASE BID
		2,576				75	76				11,329		
			2,576		3	77	78		3			11,329	
OHP-F1	1,745			20		79	80	100					BUSSED SPACE
		1,745				81	82						
			1,745		3	83	84		3				
SUB TOTAL (VA)	71,307	71,307	71,307							52,149	52,149	52,149	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 123,456 (VA)
TOTAL LOAD PHASE B: 123,456 (VA)
TOTAL LOAD PHASE C: 123,456 (VA)
TOTAL LOAD: 370,368 (VA) = 446 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.

PANEL - LP1

TYPE: 100 AMP MAIN LUGS	AIC: 65,000 AMPERES	MOUNTED: SURFACE	VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE					CIRCUIT				(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C	AMP	POLE	NUMBER		AMP	POLE	PHASE A	PHASE B	PHASE C	
LIGHTS VIA LCP1 'a'	990			20	1	1	2	20	1	1,575			LIGHTS VIA LCP1 'e'
LIGHTS VIA LCP1 'b'		1,922		20	1	3	4	20	1		1,575		LIGHTS VIA LCP1 'f'
LIGHTS VIA LCP1 'c'			1,044	20	1	5	6	50	1				BUSSED SPACE
LIGHTS VIA LCP1 'd'	2,602			20	1	7	8	50	1				BUSSED SPACE
LIGHTS		2,393		20	1	9	10	50	1				BUSSED SPACE
LIGHTS			2,254	20	1	11	12	50	1				BUSSED SPACE
LIGHTS	2,092			20	1	13	14	50	1				BUSSED SPACE
LIGHTS		2,412		20	1	15	16	50	1				BUSSED SPACE
LIGHTS			1,637	20	1	17	18	50	1				BUSSED SPACE
LIGHTS	384			20	1	19	20	50	1				BUSSED SPACE
SPARE				20	1	21	22	50	1				BUSSED SPACE
SPARE				20	1	23	24	50	1				BUSSED SPACE
SPARE				20	1	25	26	50	1				BUSSED SPACE
SPARE				20	1	27	28	50	1				BUSSED SPACE
SPARE				20	1	29	30	50	1				BUSSED SPACE
BUSSED SPACE				50	1	31	32	50	1				BUSSED SPACE
BUSSED SPACE				50	1	33	34	50	1				BUSSED SPACE
BUSSED SPACE				50	1	35	36	50	1				BUSSED SPACE
BUSSED SPACE				50	1	37	38	50	1				BUSSED SPACE
BUSSED SPACE				50	1	39	40	50	1				BUSSED SPACE
BUSSED SPACE				50	1	41	42	50	1				BUSSED SPACE
SUB TOTAL (VA)	6,068	6,727	4,935							1,575	1,575	0	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 7,643 (VA)
TOTAL LOAD PHASE B: 8,302 (VA)
TOTAL LOAD PHASE C: 4,935 (VA)
TOTAL LOAD: 20,880 (VA) = 25 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.

PANEL - FP1

TYPE: 600 AMP MAIN BREAKER	AIC: 22,000 AMPERES	MOUNTED: SURFACE	VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

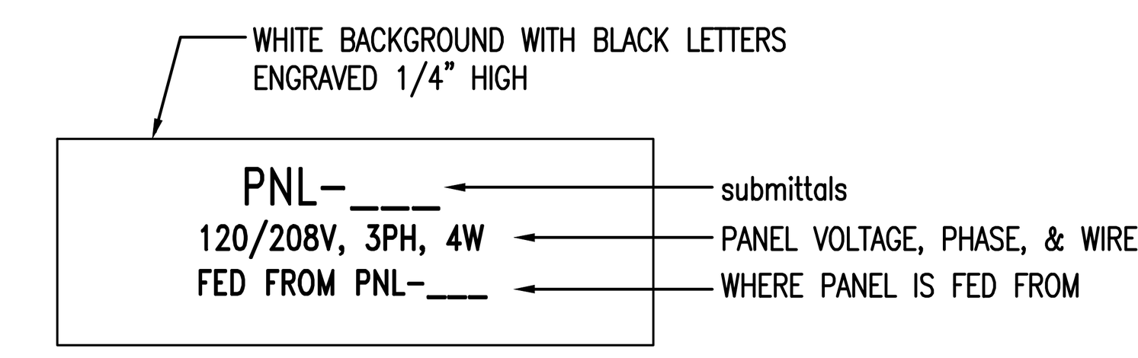
CIRCUIT DIRECTORY	(VA) PER PHASE					CIRCUIT				(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C	AMP	POLE	NUMBER		AMP	POLE	PHASE A	PHASE B	PHASE C	
IDHP-A1	156			20		1	2	225		9,920			RP1A
		156			2	3	4				7,800		
IDHP-A2			156	20		5	6		3			10,090	
	156				2	7	8	225		22,980			RP1B
ODHP-A1		1,040		20		9	10				22,396		
			1,040		2	11	12		3			24,950	
ODHP-A2	1,040			20		13	14	225		13,080			RPSH
		1,040			2	15	16				11,703		
TWH-1			3,600	40	1	17	18		3			6,807	
SPARE				20	1	19	20	225					SPARE
WH-2		2,250		40		21	22						
			2,250		2	23	24		3				
WH-3	2,250			40		25	26	60					SPARE
		2,250			2	27	28						
ICCHP-B1			156	20		29	30		3				
	156				2	31	32	100					BUSSED SPACE
OCCHP-B1		1,040		20		33	34						
			1,040		2	35	36		3				
SPARE				100		37	38	100					BUSSED SPACE
						39	40						
					3	41	42		3				
SUB TOTAL (VA)	3,758	7,776	8,242							45,980	41,899	41,847	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 49,738 (VA)
TOTAL LOAD PHASE B: 49,675 (VA)
TOTAL LOAD PHASE C: 50,089 (VA)
TOTAL LOAD: 149,502 (VA) = 415 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.

PANELBOARD NOTES:

1. PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
2. ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
3. PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
4. FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
5. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
6. PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
7. ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
8. PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
9. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
10. ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
11. COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
12. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL 1 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.
13. MANUFACTURER THAT WILL BE PROVIDING PANELBOARDS ON THIS PROJECT SHALL BE RESPONSIBLE FOR PERFORMING A SHORT CIRCUIT ANALYSIS AND TIME-CURRENT COORDINATION (TCC) STUDY, WHICH DEMONSTRATES THAT THE UPSTREAM OVERCURRENT PROTECTIVE DEVICE NEAREST TO THE FAULT LOCATION WILL OPERATE BEFORE OVERCURRENT PROTECTIVE DEVICES WHICH ARE FURTHER UPSTREAM (I.E. SELECTIVE COORDINATION). INCLUDE COORDINATION STUDY IN THE SHOP DRAWING PACKAGE FOR THE PANELBOARDS FOR REVIEW BY THE ENGINEER OF RECORD. AIC RATINGS MAY BE LOWERED BASED ON STUDY.
14. ALL CIRCUIT BREAKERS 1200 AMPS AND UP SHALL COMPLY WITH NEC ARTICLE 240.87 ARC ENERGY REDUCTION.



TYPICAL NORMAL POWER NAMEPLATE

1 / E5.2 — DETAIL - TYPICAL PANELBOARD NAMEPLATE

NO SCALE

NOTES:

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL SHALL BE:

EQUIPMENT TYPE	HEIGHT	WIDTH
INDOOR	4"	6"
OUTDOOR	4"	6"

2 / E5.2 — ARC FLASH WARNING LABELS

NO SCALE

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HUXFORD ELEMENTARY SCHOOL
GYMNASIUM AND CLASSROOM ADDITION
FOR
ESCAMBIA COUNTY BOARD OF EDUCATION
BREWTON, ALABAMA

ALABAMA REGISTERED NO. 26988 PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 7-10-25

DRAWN: FJP | CHECK: KRG
DATE 05-16-2025
REVISED 7/10/25 ADDENDUM 1
REVISED

SHEET TITLE
PANELBOARD SCHEDULES & NOTES

JOB NO. 2312SC

SEQUENCE NO. 117 OF 124

E5.2

ASHRAE 90.1 2013

THE OWNER HAS REQUESTED EXEMPTION FOR THE FOLLOWING SECTIONS OF ASHRAE 90.1 2013.

1. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS.
2. SECTION 8.4.3 ELECTRIC ENERGY MONITORING.

DRY TYPE TRANSFORMER SCHEDULE

MARK	KVA	VOLTAGE		°C RISE	K FACTOR	NOTES
		PRIMARY	SECONDARY			
TX1	150	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	1	SEE DETAIL 1 SHEET E7.2
TX2	112.5	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	1	SEE DETAIL 1 SHEET E7.2

INVERTER

MARK	KVA	VOLTAGE		BKRS	DESCRIPTION
		PRIMARY	SECONDARY		
INV	15KW	120/208V., 3PH., 4W.	120/208V., 3PH., 4W.	(12) 20A/1P (1)20/2 (1)30/2	CENTRAL BATTERY INVERTER CONTROLLED POWER NO. RUN TIME 180 MINUTES EMERGI-LITE AND DUAL-LITE ARE EQUAL.

* INVERTER SIZE SHALL BE CALCULATED USING THE FOLLOWING INFORMATION.
LIGHTS: 4.0 WATTS
FAN: (1)1-1/4HP, (1)1/2HP., (2) 245WATT FANS, (1) 80 WATT FAN

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

FANS SHALL BE PROGRAMMED TO HAVE 5 SECOND DELAY BETWEEN EACH MOTOR COMING ONLINE

SHEET NOTES:

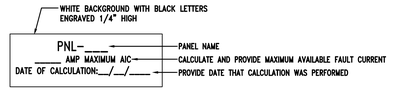
1. TRANSFORMER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE TRANSFORMER PAD PER UTILITY COMPANY SPECIFICATIONS.
2. INSTALL UNDERGROUND PRIMARY CONDUITS AS INDICATED ON THE SITE ELECTRICAL PLAN. COORDINATE WITH UTILITY COMPANY AND ADJUST THE NUMBER AND QUANTITY OF CONDUITS REQUIRED BY THE LOCAL UTILITY COMPANY.
3. METER PROVIDE BY UTILITY COMPANY. ELECTRICAL CONTRACTOR TO PROVIDE METER CONDUIT PER UTILITY COMPANY SPECIFICATIONS.
4. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER PROVISIONS.
5. SEE SHEET E7.2 FOR GROUNDING DETAILS.
6. FEEDER CIRCUIT SHALL BE INSTALLED UNDERGROUND BELOW SLAB.
7. FEEDERS FOR PANELBOARDS IN STORM SHELTER SHALL BE FED FROM BELOW. NO FEEDER CONDUITS SHALL PENETRATE SHELTER WALLS.
8. LIGHTING IN STORM SHELTER SHALL BE CONNECTED TO INVERTER. SEE SHEET E2 SERIES FOR ADDITIONAL INFORMATION.
9. VENTILATION FAN SAF-1, SAF-2, EF-C1, EF-C2, EF-E2 SHALL BE CONNECTED TO THE INVERTER. SEE EQUIPMENT SCHEDULE E3.9 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
10. SEE SERVICE ENTRANCE NAMEPLATE DETAIL THIS SHEET.
11. STORM SHELTER PLUMBING SHUTOFF VALVE. SEE PLUMBING FOR LOCATION.
12. RELAY CONTACT FOR SAF-1, SAF-1, EF-C1 AND EF-C2.
13. SHUNT TRIP BUTTON IS MOMENTARY CONTACT MUSHROOM TYPE WITH 2 INCH DIAMETER BUTTON AND SHALL BE WEATHERPROF AND LOCKABLE ENCLOSURE TO PREVENT ACCIDENTAL ACTIVATION. LOCATE WHERE SHOWN ON PLANS (SEE SHEET E3.1.) PROVIDE MELAMINE ENGRAVED SIGNAGE (WHITE BACKGROUND/RED LETTERING) ABOVE BUTTON WITH 3/4" LETTERING THAT READS "EMERGENCY POWER SHOWN/NOT FOR REMOVING DEPRESSING THIS BUTTON WILL DISCONNECT UTILITY POWER FROM BUILDING."
14. GENERATOR IS FOR FULL BUILDING STANDBY POWER AND MAY NOT BE USED FOR EGRESS LIGHTING. ALL EMERGENCY LIGHTING SHALL BE PROVIDED WITH INTERNAL EMERGENCY 90 MINUTE BATTERY.

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 E7.2 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.

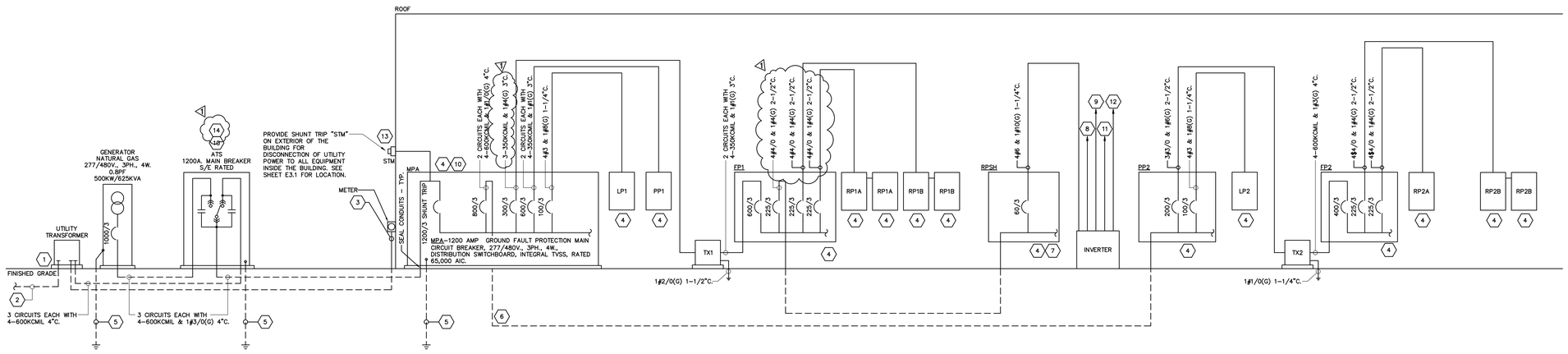
NOTES:

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



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

2 E7.1 DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE
NO SCALE



1 E7.1 RISER DIAGRAM POWER DISTRIBUTION
NO SCALE

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ALABAMA REGISTERED
Kenneth Ray Gunn Jr.
No. 26988
PROFESSIONAL
ENGINEER
7-10-25

DRAWN: FJP	CHECK: KRG
DATE	05-16-2025
REVISED	7/10/25 ADDENDUM 1
REVISED	

SHEET TITLE: RISER DIAGRAM - POWER DISTRIBUTION

JOB NO. 2312SC

SEQUENCE NO. 120 OF 124

E7.1

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