AIA® Document G731™ – 2019

Change Order, Construction Manager as Adviser Edition

PROJECT: *(name and address)*
Christian County High School

5185 Fort Campbell Blvd
Hopkinsville, KY 42240

CONTRACT INFORMATION:
Contract For: BP 080/100-06 Steel Drs, Frames, Wood Drs Hdwe
Date: September 08, 2023

CHANGE ORDER INFORMATION:
Change Order Number: 097

Date: December 15, 2025

OWNER: *(name and address)*
Christian County Board of Education
200 Glass Avenue Hopkinsville, KY 42240

ARCHITECT: *(name and address)*
Hafer PSC
101 E. Second Street, Suite 101 Owensboro, KY 42303

CONTRACTOR: *(name and address)*
Atlas Companies
5101 Commerce Crossing Drive Louisville, KY 40229

CONSTRUCTION MANAGER: *(name and address)*
Alliance Corporation
116 E. College Street Glasgow, KY 42141

THE CONTRACT IS CHANGED AS FOLLOWS:
(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

Cost associated with labor credit to not install casework at G209 per PR #58 Area J & G modifications. Adding fire rated door hardware at K118 and K 119.1 back into the project.

The original Contract Sum was	$	362,000.00
Net change by previously authorized Change Orders	$	(199,199.47)
The Contract Sum prior to this Change Order was	$	162,800.53
The Contract Sum will be increased by this Change Order in the amount of	$	697.00
The new Contract Sum including this Change Order will be	$	163,497.53

The Contract time will be unchanged by (0) days.
The Contractor's Work shall be substantially complete on .

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONSTRUCTION MANAGER, CONTRACTOR, AND OWNER.

ARCHITECT *(Signature)*
BY: Eric Rang, Hafer PSC
(Printed name, title, and license number if required)

Date

CONSTRUCTION MANAGER *(Signature)*
BY: Kevin Hitchel, Alliance Corporation
(Printed name and title)

Date

CONTRACTOR *(Signature)*
BY: Donald Brown, Atlas Companies
(Printed name and title)

Date

OWNER *(Signature)*
BY: Christopher Bentzel, Christian County Board of Education
(Printed name and title)

Date

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User Notes: (6941634e316a919af5bc3228)

PROPOSED CHANGE ORDER

PROJECT Christian County High School

CONTRACTOR/SUPPLIER Atlas

BID PACKAGE 080 97.) 080/100-06

DETAIL ITEM		**AMOUNT**
LABOR	*$*	*(450.00)*
MATERIALS	*$*	*1,147.00*
PROFIT & OVERHEAD		
BOND INSURANCE		
COST BREAKDOWN TOTAL	*$*	*697.00*

DESCRIPTION

Labor credit to not install casework at G209 per PR #58 Area J & G Modifications

Add fire rated door hardware at K118 and K119.1 back into the project.

PR # 58 *(ATTACH PR)*

CHANGE ORDER INITIATED BY:

	ARCHITECT/ENGINEER
X	*OWNER*
X	*CONTRACTOR*
	CM
	CODE OFFICIAL
	OTHER

PLEASE INCLUDE THIS FORM WITH EVERY CHANGE ORDER.

C:\Users\khitchel\Desktop\[Proposed Change Order Form.xlsx]Sheet1

HAFER
architects • designers • engineers

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101 E Second Street, Suite 101 • Owensboro, KY 42301
P: 270.926.1331 • F: 270.684.4456
haferdesign.com

PROPOSAL REQUEST

Project:	Christian County High School 5185 Ft. Campbell Blvd Hopkinsville, KY 42240	**PR No.:**	058
		Date:	September 2, 2025
Owner:	Christian County Public Schools 222 Glass Ave Hopkinsville, KY 42240	**Project Number:**	2106-204
		Contract for:	
To:	Kevin Hitchell Alliance Corporation 116 E. College Steet Glasgow, KY 42141		
RE:	**Area J & G Modifications**		

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein. THIS IS NOT A CHANGE ORDER NOR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED HEREIN.

Description:

Provide a price to provide for the following :

Architectural:

1) Classroom G106/G108
   a. Delete the five IT casework stations. If stations have been manufactured, turn over to owner.
   b. Do not install exposed cable tray in room.
2) Classroom G209:
   a. Do not install foldable partition panels, keep track and bulkhead.
   b. Remove wing walls for partition pocket. Patch bulkhead above, paint.
   c. Remove casework from room. If casework has been manufactured, turn over to owner.

Electrical:

3) Reference revised drawing E1.1 Rev. 4, Multi-Function Floor Box / Poke-Thru Assembly Schedule. Added type 2C.
4) Reference revised drawing E1.9 Rev. 2. Added detail for Cord reel Installation in Grid Ceiling.
5) Reference revised drawing E2.1G Rev. 3:
   a. LT-CTE G106. Deleted the four receptacles at each of the five work tables and added a cord reel assembly (within the T-Grid system) at the locations where the five workstations were removed.

b. Classroom G112. Changed power feed to receptacles within furniture system to receptacles installed within the wall.
c. Classroom G118. Changed power feed to receptacles within furniture system to receptacles installed within the wall.
d. Added note G64.

6) Reference revised drawing E2.1H Rev. 5:
   a. Construction Instruction J102. Changed power feed to receptacles within furniture system to receptacles installed within the wall.
   b. Deleted notes H44 & H52.
7) Reference revised drawing E2.1J Rev. 3:
   a. Auto Instruction J106. Changed power feed to receptacles within furniture system to receptacles installed within the wall.
   b. Agriculture Instruction J110. Changed power feed to receptacles within furniture system to receptacles installed within the wall.
   c. Agriculture Instruction J114. Changed power feed to receptacles within furniture system to receptacles installed within the wall.
   d. Agriculture Instruction J116. Changed power feed to receptacles within furniture system to receptacles installed within the wall.
   e. Deleted notes J4 & J5.
8) Reference revised drawings E2.2G Rev. 4 & E6.10 Rev 5\:
   a. Classroom G206:
      i. Deleted power feeds from two type 2B poke-thru devices to the receptacles within furniture system.
      ii. Deleted power circuits (qnty 6) to the two type 2B poke-thru devices. (Note: These circuits will be reused to feed the new poke-thru device locations within Graphic Design room 208).
      iii. Deleted two type 2B poke-thru devices. (Note: If the poke-thru devices have been installed, then Blank cover plates shall be provided.
   b. Graphic Design room G208:
      i. Added a quantity of eight type 2C poke-thru devices.
      ii. Added a quantity of two 120V, 20A branch circuits and reworked a quantity of 6 120V, 20A power feeds to the new poke-thru devices.
      iii. Added circuits from the eight new poke-thru devices to the furniture system raceways.
   c. Deleted note G32.
   d. Added notes G34 & G35.
   e. Classroom G209. Removed receptacles from four locations and converted the outlet boxes to furniture system power raceway feeds. The two circuits which feed the furniture system power raceways shall be the same two circuits which feed the receptacles on the same wall as the furniture system..
9) Reference revised drawing E3.1G Rev. 5:
   a. LT-CTE G106:
      i. Deleted the cabletray systems which were used to route data cables to the quantity of 5 removed workstations.

ii. Deleted a total quantity of 10 type "C2" data outlets which were shown to be installed on the five removed workstations. (i.e. qnty 2 type "C2" data outlets per workstation).

b. Classroom G112. Changed data feed from a quantity of 3 type "C1" data outlets within furniture system to a quantity of one type "C3" data outlet within the wall.

c. Classroom G118. Changed data feed from a quantity of 3 type "C1" data outlets within furniture system to a quantity of one type "C3" data outlet within the wall.

d. Deleted notes G25, G26, G27, G28, G29 & G30.

10) Reference revised drawing E3.1H Rev. 5:

a. Construction Instruction J102. Changed data feed from a quantity of 3 type "C1" data outlets within furniture system to a quantity of one type "C3" data outlet within the wall.

b. Deleted notes H52 & H53.

11) Reference revised drawing E3.1J Rev. 5:

a. Auto Instruction J106. Changed data feed from a quantity of 3 type "C1" data outlets within furniture system to a quantity of one type "C3" data outlet within the wall.

b. Agriculture Instruction J110. Changed data feed from a quantity of 3 type "C1" data outlets within furniture system to a quantity of one type "C3" data outlet within the wall.

c. Agriculture Instruction J114. Changed data feed from a quantity of 3 type "C1" data outlets within furniture system to a quantity of one type "C3" data outlet within the wall.

d. Agriculture Instruction J116. Changed data feed from a quantity of 3 type "C1" data outlets within furniture system to a quantity of one type "C3" data outlet within the wall.

e. Deleted notes J11 & J16.

12) Reference revised drawing E3.2G Rev. 5:

a. Classroom G206:

i. Deleted data cables (qnty 20) from two type 2B poke-thru devices to the data outlets within furniture system.

b. Classroom G211:

i. Deleted the south wall clock location.

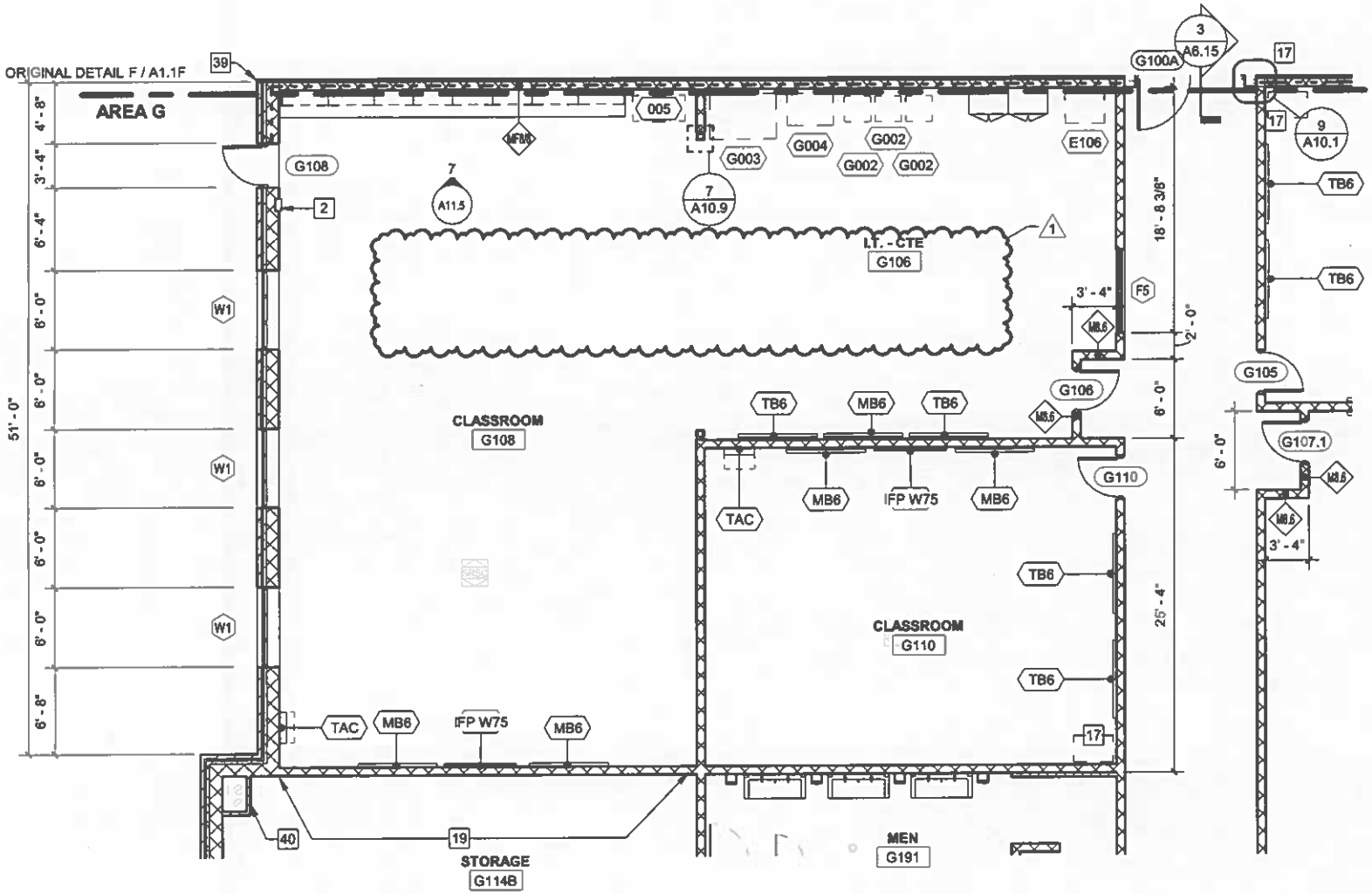
ii. Deleted the Classroom sound reinforcement system installation (except for speakers) on the south end of the room. Empty outlet boxes already installed within the walls shall be provided with blank device plates.

c. Deleted notes G33 & G34.

Attachments: PR-058A1, PR-058A2, Revised Electrical Drawings E1.1 Rev 4, E1.9 Rev 2, E2.1G Rev 3, E2.1H Rev 5, E2.1J Rev 3, E2.2G Rev 4, E3.1G Rev 5, E3.1H Rev 5, E3.1J Rev 5, E3.2G Rev 5, E6.10 Rev 5

By: Steve Harding, Josh Maddox, Jason Wilson

CC:



FIRST FLOOR PLAN - AREA G

1/8" = 1'-0"

ARCHITECTS PROJECT NO. 2106-204

DATE: 08/14/25

TYPE OF DRAWING NO.

PR-058A1

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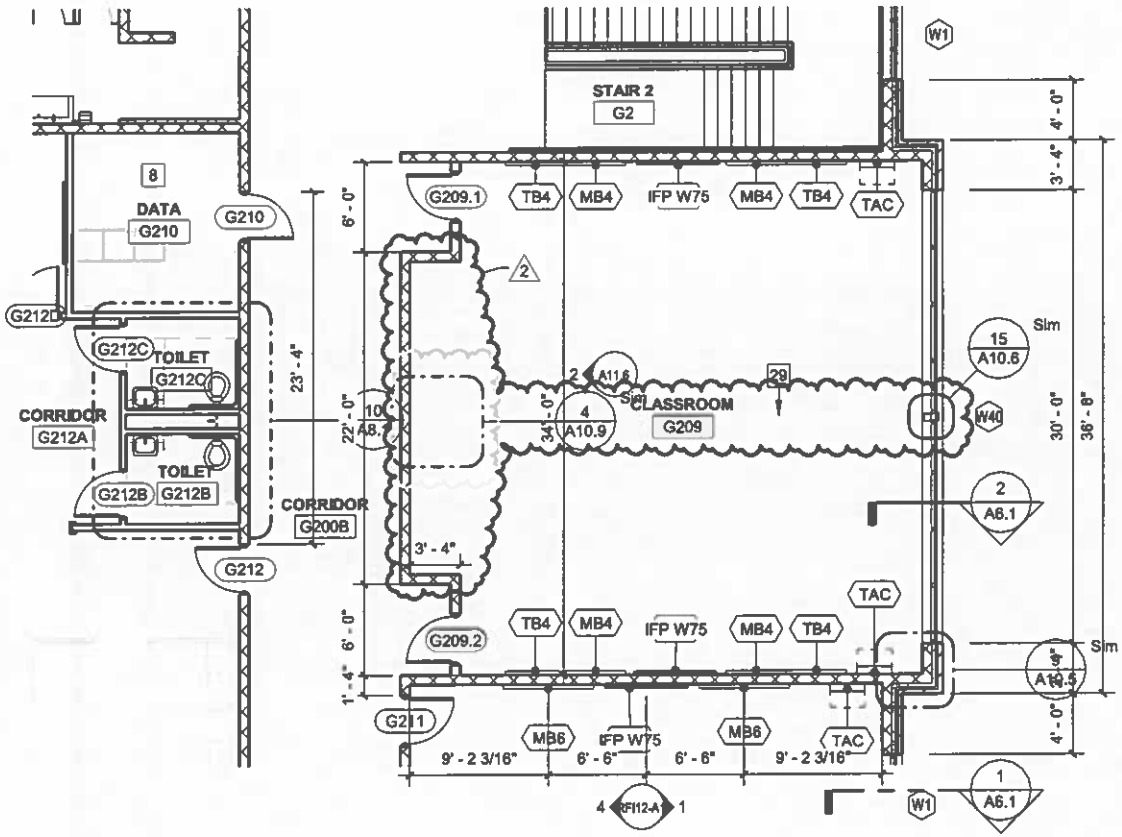
HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

KDE #: BG 22-104

5185 FT. CAMPBELL BLVD
HOPKINSVILLE, KY 42240



SECOND FLOOR PLAN - AREA G

1/8" = 1'-0"

ARCHITECTS PROJECT NO. 2106-204

DATE: 08/14/25

TYPE OF DRAWING NO.

PR-058A2

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KDE #: BG 22-104

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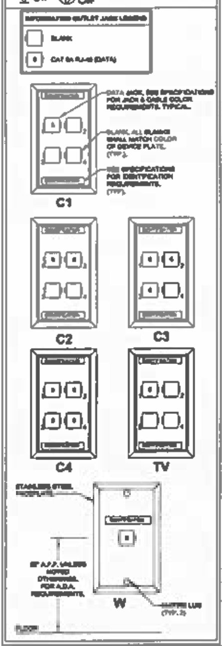
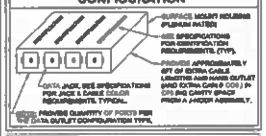
HOPKINSVILLE, KY 42240

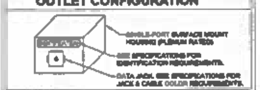
INFORMATION OUTLET FACEPLATE CONFIGURATIONS

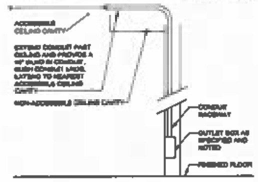


CEILING DATA OUTLET CONFIGURATION



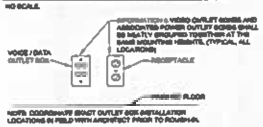
VIDEO SURVEILLANCE CAMERA OUTLET CONFIGURATION





DETAIL - TYPICAL INFORMATION / VIDEO OUTLET & CONDUIT INSTALLATION

NO SCALE



DETAIL - TYPICAL INFORMATION, VIDEO & POWER OUTLETS INSTALLATION

NO SCALE

LEGEND - POWER

LEGEND - SYSTEMS & TECHNOLOGY

TELECOMMUNICATIONS

AUDIO/VIDEO INTEGRATION

DOOR HARDWARE/ACCESS CONTROL

INTEGRATED IP BASED SAFETY & INTERCOMMUNICATION SYSTEM

VIDEO SURVEILLANCE SYSTEM

LEGEND - LIGHTING

GENERAL NOTES (ENTIRE PROJECT):

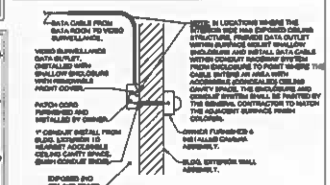
LEGEND - BUILDING MANAGEMENT SYSTEM (LTG CONTROL VIA TEMP CONTROL SYS)

EQUIPMENT NAMING CONVENTION FOR CHRISTIAN COUNTY HIGH SCHOOL

PANELBOARD & SWITCHBOARDS

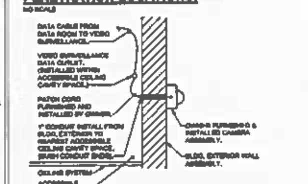
TRANSFORMERS

CIRCUIT BREAKER, DISC SWITCH & MOTOR STARTERS



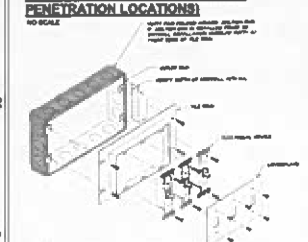
DETAIL - TYPICAL EXTERIOR CAMERA LOCATION (EXPOSED CONDUIT PENETRATION LOCATIONS)

NO SCALE



DETAIL - TYPICAL EXTERIOR CAMERA LOCATION (CONCEALED CONDUIT PENETRATION LOCATIONS)

NO SCALE



FIRE-STOP PUTTY PAD SEALANT DETAIL

NO SCALE

CABLETRAY ASSEMBLY SCHEDULE

TYPE	DESCRIPTION	ACCEPTABLE MANUFACTURERS	REMARKS
CT6	[illegible]	1. LEGRAND / CABLOFIL 2. EATON FLEXTRAY 3. PANDUIT WIRE BASKET 4. ...	[illegible]
CT12	[illegible]		
CT18	[illegible]		
CT24	[illegible]		

MULTI-FUNCTION FLOORBOX/POKE-THRU ASSEMBLY SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	SERIES	COVER ASSEMBLY	REMARKS
1A	[illegible]	LEGRAND / WIREMOLD	[illegible]	[illegible]	[illegible]
1B	[illegible]	LEGRAND / WIREMOLD	[illegible]	[illegible]	[illegible]
1C	[illegible]	FSR METAL PRODUCTS GROUP	[illegible]	[illegible]	[illegible]
2A	[illegible]	LEGRAND / WIREMOLD	EVOLUTION SERIES	HEAVY DUTY COVER ASSEMBLY.	[illegible]
2B	[illegible]	LEGRAND / WIREMOLD	[illegible]	HEAVY DUTY COVER ASSEMBLY.	[illegible]
2C	[illegible]				

HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

CHRISTIAN COUNTY PUBLIC SCHOOLS

5186 FT. CAMPBELL BLVD
HOPKINSVILLE, KY 42240

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ALLIANCE

bell

K&S Engineering, PLLC

WBW

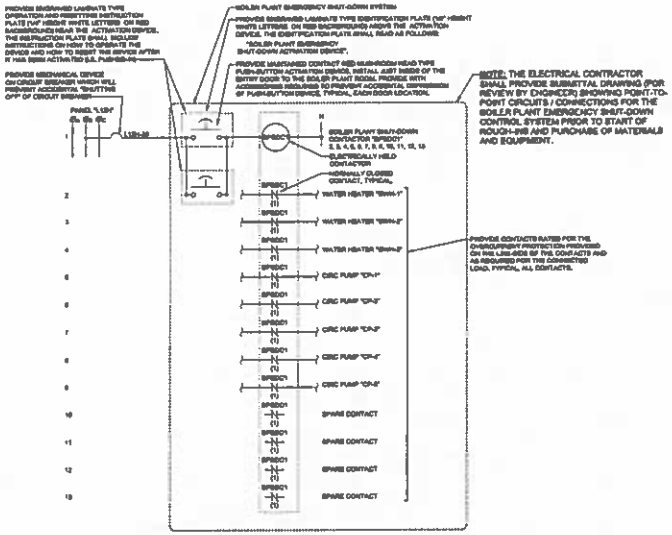
G&T Design and Equipment Co.

Sheet title: ELECTRICAL LEGEND

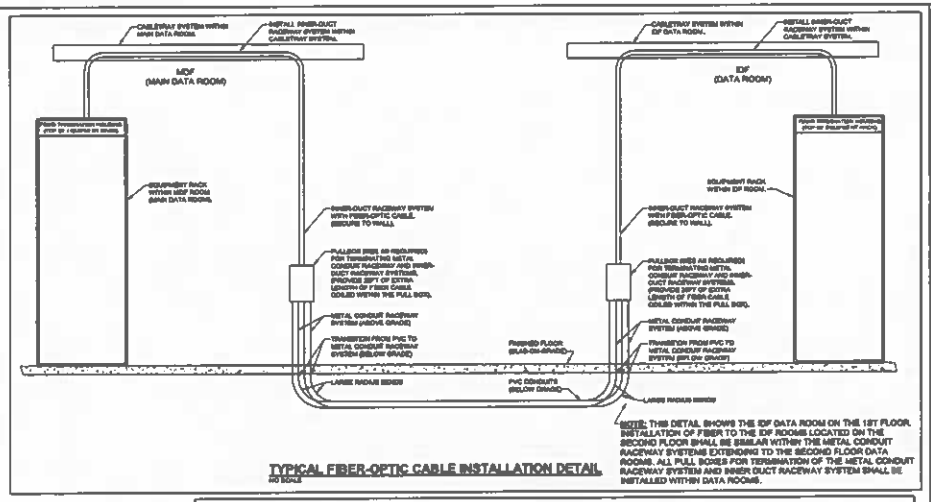
Architect's Project No: 2106-204

Date: May, 2023

Drawing No: E1.1



BOILER PLANT EMERGENCY SHUT-DOWN CONTROL DIAGRAM
NO SCALE



TYPICAL FIBER-OPTIC CABLE INSTALLATION DETAIL
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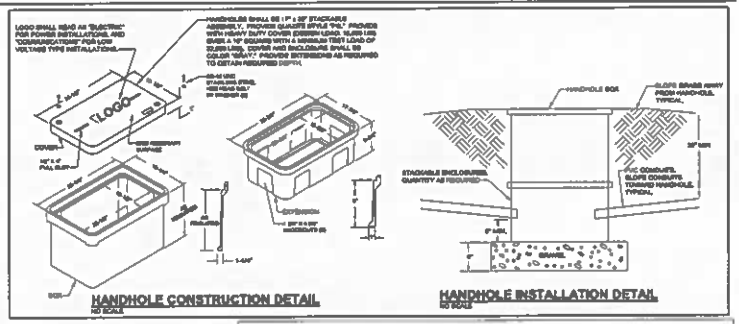
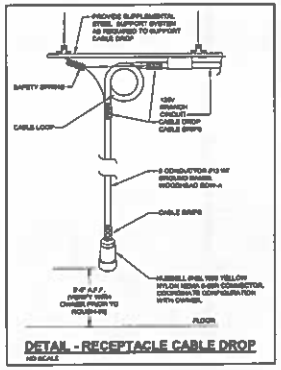
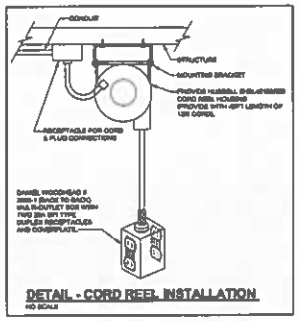


HANDHOLE CONSTRUCTION DETAIL
NO SCALE

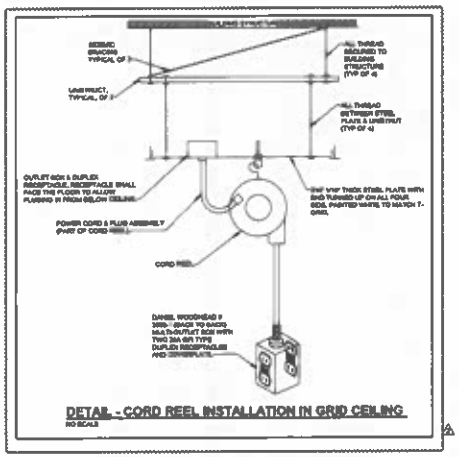
HANDHOLE INSTALLATION DETAIL
NO SCALE



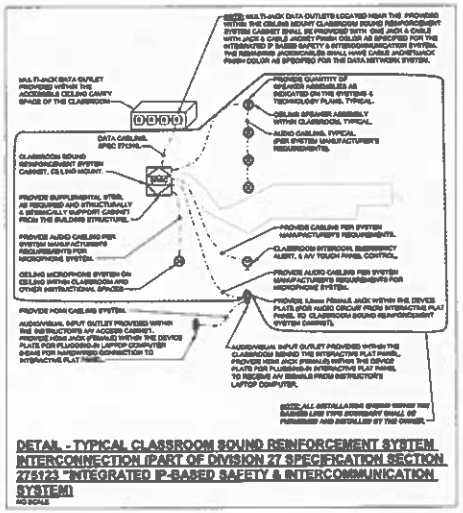
DETAIL - RECEPTACLE CABLE DROP
NO SCALE



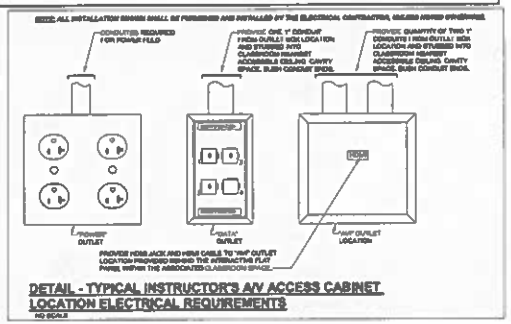
DETAIL - CORD REEL INSTALLATION
NO SCALE



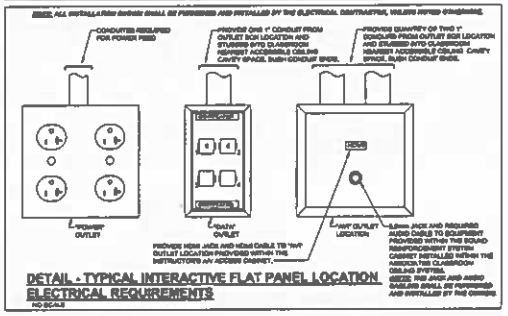
DETAIL - CORD REEL INSTALLATION IN GRID CEILING
NO SCALE



DETAIL - TYPICAL CLASSROOM SOUND REINFORCEMENT SYSTEM INTERCONNECTION (PART OF DIVISION 27 SPECIFICATION SECTION 275123 "INTEGRATED IP-BASED SAFETY & INTERCOMMUNICATION SYSTEM)
NO SCALE



DETAIL - TYPICAL INSTRUCTOR'S A/V ACCESS CABINET LOCATION ELECTRICAL REQUIREMENTS
NO SCALE



DETAIL - TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS
NO SCALE

HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

CHRISTIAN COUNTY PUBLIC SCHOOLS

KDE # / BG 22-104

6186 FT. CAMPBELL BLVD
HOPKINSVILLE, KY 42340

HAFER

In association with

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bell
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Hopkinsville, KY 42240
Telephone 270-885-0455

K&S Engineering, PLLC
Electrical Engineers
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Clarksville, TN 37043
Telephone 931-647-0848

WBW Engineering, PLLC
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Hopkinsville, KY 42240
Telephone 270-885-5654

CST Design and Equipment Co.
2102 Ryder Avenue, Suite C
Evansville, IN 47715
Telephone 812-421-0573

MATTHEW A. BROOKSHIRE
LICENSED
NO. PE5600044-1
STATE OF KENTUCKY
PROFESSIONAL ENGINEER
05/12/2023

Revisions:

#	Description	Date
1	Addendum #1 Bidding Set Issued for Bidding	05/12/23

Designed By:	Drawn By:	Checked By:
MAB	DGB	MAB

The drawings, specifications and other documents, including those in electronic form prepared by Hafer for this project, are instruments of service, and may be used only with respect to this project. The documents may not be used by any person other than the owner of this project for any purpose other than the original construction of this project. Authorized use of electronic or other forms of documents that differ from original complete and valid documents, in order to reduce the amount of the information contained and that are changed or manipulated from their form, must be accepted or the original, sealed documents will always be used in calculations and applicable approval destinations.

Sheet Title:

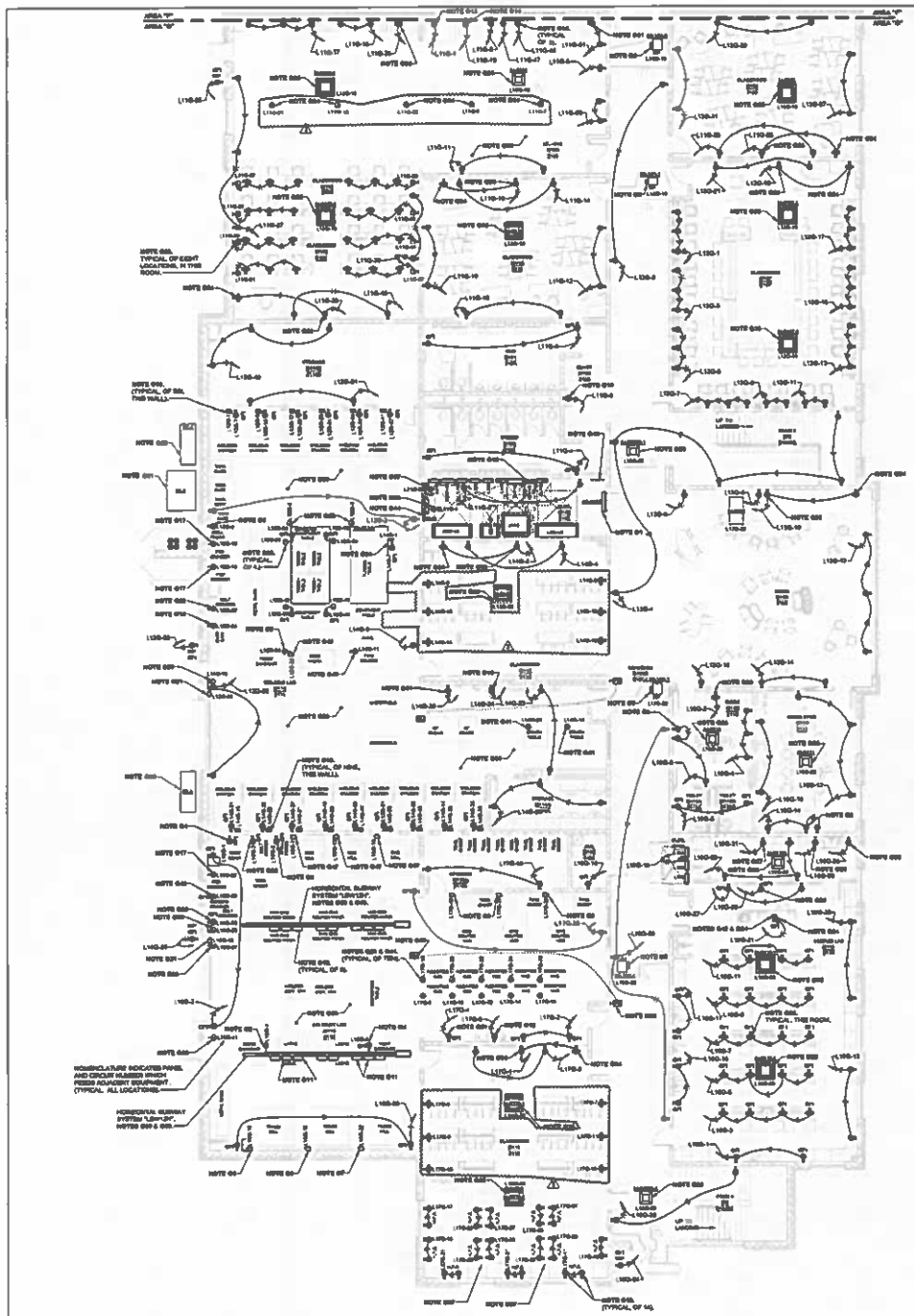
MISCELLANEOUS DETAILS

Architect's Project No: 2106-204

Date: May, 2023

Drawing No:

E1.9



POWER PLAN - FIRST FLOOR - AREA "G"

1/8" = 1'-0"

NOTES (FIRST FLOOR POWER PLAN - AREA "G"):

01. PROVIDE SAFETY DISCONNECT BRANCH HEAR THE INDOOR UNIT. PROVIDE ALL REQUIRED POWER, CONTROL, & COMMUNICATION CIRCUITS BETWEEN THE INDOOR UNIT AND THE ASSOCIATED OUTDOOR CONDENSER UNIT PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS.

02. PROVIDE RECEPTACLE AND DEDICATED 20A, 208V SINGLE-PHASE BRANCH CIRCUIT FOR VERTICAL BAND SAW. PROVIDE NEMA 6-20R RECEPTACLE. PROVIDE PRIMARY CONDUCTORS FOR ALL PHASE AND GROUND CONDUCTORS.

03. RECEPTACLE FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLETS FROM VIEW AND STILL ALLOWS THE RECEPTACLE TO BE ACCESSIBLE.

04. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR VERTICAL BAND SAW.

05. PROVIDE 30AD PUSHBLE SAFETY DISCONNECT SWITCH 60AD BRANCH SELECTION UNIT WITHIN THE ACCESSIBLE CEILING CAVITY SPACE PROVIDE PUSH LANLAR. AD BRANCH SELECTION UNIT (THROUGH-DISCONNECT SWITCH) PER THE MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#12, 1#12G IN 3/4"C. PROVIDE FUSING PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. COORDINATE REQUIRED INSTALLATION LOCATION IN FIELD WITH THE HVAC UNIT REQUIREMENTS AND ALL OTHER INSTALLATION WITHIN THE AREA.

06. PROVIDE 60AD PUSHBLE SAFETY DISCONNECT SWITCH FOR 208V, 3-PHASE POWER TO TRACK MILL. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE TRACK MILL. PROVIDE FINAL CIRCUIT TO TRACK MILL CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C. PROVIDE FINAL CIRCUIT TO TRACK MILL PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. COORDINATE THE INSTALLATION LOCATION WITH THE INSTALLATION LOCATION FOR THE TRACK MILL.

07. PROVIDE 60AD PUSHBLE SAFETY DISCONNECT SWITCH FOR 208V, 3-PHASE POWER TO TRACK MILL. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE TRACK MILL. PROVIDE FINAL CIRCUIT TO TRACK MILL CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C. PROVIDE FINAL CIRCUIT TO TRACK MILL PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. COORDINATE THE INSTALLATION LOCATION WITH THE INSTALLATION LOCATION FOR THE TRACK MILL.

08. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR GRILL PRESS.

09. PROVIDE 60AD PUSHBLE SAFETY DISCONNECT SWITCH FOR 208V, 3-PHASE POWER TO CNC ROUTER MILL. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE CNC ROUTER. PROVIDE FINAL CIRCUIT TO CNC ROUTER CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C. PROVIDE FINAL CIRCUIT TO CNC ROUTER PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. COORDINATE THE INSTALLATION LOCATION WITH THE INSTALLATION LOCATION FOR THE CNC ROUTER.

10. PROVIDE RECEPTACLES AND BRANCH CIRCUIT FOR HYDRAULIC / PNEUMATIC STATION.

11. SUB-PLUG ASSEMBLY. PROVIDE FUSING AS REQUIRED AND PROVIDE POWER FEED FROM SUB PLUG ASSEMBLY TO LATHE EQUIPMENT. COORDINATE THE INSTALLATION LOCATION FOR THE SUB PLUG IN FIELD WITH THE POWER FEED REQUIREMENTS OF THE CONNECTED LOAD.

12. SUB-PLUG ASSEMBLY. PROVIDE FUSING AS REQUIRED AND PROVIDE POWER FEED FROM SUB PLUG ASSEMBLY TO CNC ROUTER PRE-ASSEMBLY EQUIPMENT. COORDINATE THE INSTALLATION LOCATION FOR THE SUB PLUG IN FIELD WITH THE POWER FEED REQUIREMENTS OF THE CONNECTED LOAD.

13. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR CNC ROUTER.

14. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR BENCH MILL.

15. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR 3D PRINTER.

16. RECEPTACLE AND DEDICATED BRANCH CIRCUIT (FED FROM A GFCI TYPE CIRCUIT BREAKER) FOR POWER TO ELECTRIC WATER COOLER.

17. PROVIDE 30AD NON-FUSIBLE SAFETY DISCONNECT SWITCH AND NEMA L14-30R TWIST-LOCK RECEPTACLE FOR 20A, 208V, 3-PHASE POWER FEED TO PIER GRINDER. PROVIDE CIRCUIT FROM PANEL AND BRANCH CIRCUIT NUMBER AS INDICATED USING 3#10, 1#10G IN 3/4"C. INSTALL THE SAFETY DISCONNECT SWITCH ON THE LINE SIDE OF THE RECEPTACLE. COORDINATE THE INSTALLATION LOCATIONS WITH THE INSTALLATION LOCATION FOR THE PIER GRINDER MACHINE.

18. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR CHOP SAW.

19. PROVIDE 60AD NON-FUSIBLE SAFETY DISCONNECT SWITCH AND 60AD PIN & SLEEVE SCREW-ON RECEPTACLE BELOW DISCONNECT SWITCH FOR 60A, 208V 3-PHASE POWER SERVICE TO WELDING EQUIPMENT. PROVIDE APPLETON RECEPTACLE, CAT. NO. FSC60AS, OR EQUAL TO MATCH THE EXISTING FLEETLINE BY WELDING SHOP EQUIPMENT CORPORATION. PROVIDE CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C. COORDINATE THE REQUIRED INSTALLATION LOCATION WITHIN THE BOOTH WITH THE OWNER AND ARCHITECT PRIOR TO START OF ROUGH-IN.

20. PROVIDE POWER OUTLETS WITHIN FURNITURE SYSTEM RACEWAY.

21. PROVIDE 30AD PUSHBLE SAFETY DISCONNECT SWITCH FOR MOTORIZED OVERHEAD DOOR SYSTEM. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE MOTORIZED OVER HEAD DOOR SYSTEM. PROVIDE FINAL CIRCUIT TO MOTORIZED DOOR SYSTEM CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE MOTORIZED DOOR SYSTEM, DEVICE AND THE CONTROLLER PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C.

22. PROVIDE RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR BELT SANDER.

23. PROVIDE 20A, 208V SINGLE-PHASE NEMA 6-20R RECEPTACLE FOR POWER SERVICE TO TORCH. PROVIDE CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. INDICATED USING 2#6, 1#6G IN 3/4"C. COORDINATE THE REQUIRED INSTALLATION LOCATION WITH THE OWNER AND ARCHITECT PRIOR TO START OF ROUGH-IN.

24. PROVIDE 30AD NON-FUSIBLE SAFETY DISCONNECT SWITCH AND 30AD PIN & SLEEVE SCREW-ON RECEPTACLE BELOW DISCONNECT SWITCH FOR 30A, 208V 3-PHASE POWER SERVICE TO PLASMA TABLE EQUIPMENT. PROVIDE APPLETON RECEPTACLE CAT. NO. FSC30AS, OR EQUAL TO MATCH THE OWNER'S EXISTING PLASMA TABLE SET-UP IN WELDING SHOP. PROVIDE CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. INDICATED USING 3#8, 1#8G IN 3/4"C. COORDINATE THE REQUIRED INSTALLATION LOCATION WITHIN THE BOOTH WITH THE OWNER AND ARCHITECT PRIOR TO START OF ROUGH-IN.

25. PROVIDE 30AD PUSHBLE SAFETY DISCONNECT SWITCH 60AD HVAC UNIT WITHIN THE ACCESSIBLE CEILING CAVITY SPACE. PROVIDE POWER CIRCUIT TO HVAC UNIT (THROUGH DISCONNECT SWITCH) PER THE MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#12, 1#12G IN 3/4"C. PROVIDE FUSING PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. COORDINATE REQUIRED INSTALLATION LOCATION IN FIELD WITH THE HVAC UNIT REQUIREMENTS AND ALL OTHER INSTALLATION WITHIN THE AREA.

26. JUNCTION BOX AND DEDICATED BRANCH CIRCUIT FOR DISH WASHING MACHINE. PROVIDE FINAL CIRCUIT TO DISH WASHING MACHINE PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS.

27. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR AUTOCLAVE. COORDINATE THE REQUIRED RECEPTACLE NEMA CONFIGURATION WITH THE AUTOCLAVE EQUIPMENT PRIOR TO PURCHASE OF CONDUCTORS AND RECEPTACLE.

28. PROVIDE POWER FOR ROBOTICS WORKSTATION.

29. PROVIDE JUNCTION BOX AS REQUIRED AND 120V CIRCUIT TO CORESI MONITORING PANEL. PROVIDE PANEL AND CIRCUIT NO. AS INDICATED. PROVIDE FINAL CONNECTION TO EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH MECHANICAL WORKER FOR INSTALLATION LOCATION PRIOR TO START OF ROUGH-IN.

30. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR COFFEEMAKER.

31. RECEPTACLE FOR MOCK SERVER STATION.

32. RECEPTACLE AND DEDICATED BRANCH CIRCUIT (FED FROM A GFCI TYPE CIRCUIT BREAKER) FOR REFRIGERATOR.

33. PROVIDE JUNCTION BOX IN WALL AS REQUIRED FOR POWER CIRCUITS TO RECEPTACLES WITHIN FURNITURE SYSTEM POWER RACEWAY SYSTEM. PROVIDE FINAL CIRCUITS TO FURNITURE SYSTEM POWER RACEWAY AND TO RECEPTACLES FOR THE FURNITURE SYSTEM PROVIDER / MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUITS FROM PANEL AND BRANCH CIRCUIT NUMBERS AS INDICATED.

NOTES (FIRST FLOOR POWER PLAN - AREA "G") (CONT):

34. RECEPTACLE FOR POWER TO A SUPERVISED CONTROL CABINET. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH THE INSTALLATION REQUIREMENTS OF THE AUDIO/VIDEO CONTROL CABINET. SEE TYPICAL INSTRUCTOR'S AV ACCESS CABINET LOCATION ELECTRICAL REQUIREMENT DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

35. JUNCTION BOXES AND DEDICATED NEC 760 EMERGENCY POWER BRANCH CIRCUIT FOR POWER TO FIRE ALARM SYSTEM PANELS AND EQUIPMENT. PROVIDE ALL REQUIRED POWER CIRCUITS AND CONNECT TO FIRE ALARM SYSTEM PANELS AND EQUIPMENT PER THE FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS. COORDINATE THE REQUIRED INSTALLATION LOCATIONS WITH THE INSTALLATION REQUIREMENTS PER THE FIRE ALARM SYSTEM.

36. RECEPTACLE FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLETS FROM VIEW AND STILL ALLOWS THE RECEPTACLE TO BE ACCESSIBLE. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

37. ROUTE CONDUITS BELOW GRADE AS REQUIRED FOR POWER AND DATA FEEDS TO OUTLETS WITHIN THIS SHORT WALL SYSTEM.

38. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR POWER TO PRINTER / COPIER MACHINE.

39. ALL RECEPTACLES PROVIDED WITHIN THIS ROOM SHALL BE NEMA 5-20R HEAVY DUTY ROUTINE GRADE SPECIFIED UNLESS NOTED OTHERWISE OR NOTED TO BE FED FROM A GFI TYPE CIRCUIT BREAKER.

40. PROVIDE TRANSFORMER WITH ALL REQUIRED ACCESSORIES AND PROVIDE SUPPLEMENTAL STEEL SUPPORT FRAMES AS REQUIRED TO INSTALL TRANSFORMER ABOVE THE FINISHED FLOOR AND SEISMically SUPPORT / BRACE THE TRANSFORMER FROM THE BUILDING STRUCTURAL SYSTEM. INSTALL SUCH THAT THE BOTTOM OF THE TRANSFORMER / SEISMIC SUPPORT SYSTEM IS NOT LOWER THAN 18" ABOVE THE FINISHED FLOOR. INSTALL THE PRIMARY DISCONNECT MEANS AND THE SECONDARY OVERCURRENT PROTECTION DEVICE ON WALL BELOW 5'-0" TRANSFORMER TO MAXIMIZE MAINTENANCE SPACE FOR DISTRIBUTION EQUIPMENT WITHIN THE ASSOCIATED ELECTRICAL ROOM.

41. PROVIDE 20A, 125V NEMA 5-20R DUPLEX RECEPTACLE WITHIN THE EXPOSED CEILING STRUCTURE FOR POWER TO CORD REEL ASSEMBLY. PROVIDE ALL REQUIRED SUPPLEMENT STEEL STRUCTURE SYSTEM AS REQUIRED TO SUPPORT THE CORD REEL AND WITHSTAND FORCES FROM RAISING THE CORD REEL AND PULLING CORD ASSEMBLY FOR USE. PROVIDE CORD REEL ASSEMBLY. COORDINATE THE LOCATION IN FIELD WITH ARCHITECT PRIOR TO START OF ROUGH-IN. SEE CORD REEL INSTALLATION DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS REGARDING THE CORD REEL ASSEMBLY AND INSTALLATION OF THE CORD REEL ASSEMBLY. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NUMBER AS INDICATED.

42. PROVIDE VARIABLE TYPE CONTROL SWITCH FOR CONTROL OF ELECTRIC SOLENOID VALVES FOR HOT AND COLD WATER SERVICE WITHIN THE ROOM. PROVIDE CONDUIT WITH PULL TO CONTROL SWITCH FROM THE SAME BRANCH CIRCUIT WHICH FEEDS THE ADJACENT RECEPTACLE. PROVIDE DESIGNED SERVICE PLATE ON SWITCH REGISTRATION WITH STRV. LABELS SHALL ALSO INCLUDE THE "ON" AND "OFF" POSITIONS. PROVIDE CIRCUIT FROM LOAD SIDE OF SWITCH TO WATER CONTROL VALVES FOR CORRECT OPERATION. WATER SHALL BE ALLOWED TO FLOW WHENEVER THERE IS 120V APPLIED TO THE VALVES. SEE MECHANICAL & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS AND GENERAL LOCATIONS OF WATER CONTROL VALVES.

43. SEE ARCHITECTURAL PLANS AND DETAILS FOR ADDITIONAL REQUIREMENTS REGARDING INSTALLATION LOCATIONS, MOUNTING HEIGHTS, AND STEEL STRUT SUPPORT DETAILS FOR REQUIREMENTS FOR POWERS, DATA AND CABLE TRAY INSTALLATION FOR WORK BENCH AREA.

44. GROUND BUS BAR ON INSULATED STAND-OFF DEVICES. SEE GROUNDING SYSTEM RISER DIAGRAM, SHEET E1.04, FOR ADDITIONAL REQUIREMENTS.

45. SPACE RESERVED FOR ROUTING OF VERTICAL CONDUIT RACEWAYS FROM UNDERGROUND TO VERTICAL UP WALL FOR COMMUNICATIONS FIBER CABLES. SEE COMMUNICATION ROOM LOCATION PLAN - FIRST FLOOR, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.

46. PROVIDE RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR CARBIDE GRINDER.

47. PROVIDE 30AD PUSHBLE SAFETY DISCONNECT SWITCH FOR 208V, 3-PHASE POWER TO DRILL MILL. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE MILL EQUIPMENT. PROVIDE FINAL CIRCUIT TO MILL EQUIPMENT CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C.

48. PROVIDE RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR PIPE BENDER.

49. PROVIDE 60AD PUSHBLE SAFETY DISCONNECT SWITCH FOR 208V, 3-PHASE POWER TO ROPMASTER PRESSES. PRE MACHINE. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE MACHINE AND INSTALLATION LOCATION. PROVIDE FINAL CIRCUIT TO MACHINE PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C.

50. WELD FUME EXTRACTOR "FS-1". WELD FUME EXTRACTOR SHALL BE PURCHASED WITH CONTROLLER AND PUSHBLE SAFETY DISCONNECT SWITCH. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED AND SHALL INSTALL THE DISCONNECT SWITCH PER THE MANUFACTURER'S REQUIREMENTS FOR CORRECT OPERATION. ELECTRICAL CONTRACTOR SHALL COORDINATE THE REQUIRED INSTALLATION LOCATIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO START OF ROUGH-IN. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL "HYVP" CIRCUIT NO. 29 USING 3#10, 1#10G, IN 3/4"C. PROVIDE FUSES PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS.

51. WELD FUME EXTRACTOR "FS-2". WELD FUME EXTRACTOR SHALL BE PURCHASED WITH CONTROLLER AND PUSHBLE SAFETY DISCONNECT SWITCH. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED AND SHALL INSTALL THE DISCONNECT SWITCH PER THE MANUFACTURER'S REQUIREMENTS FOR CORRECT OPERATION. ELECTRICAL CONTRACTOR SHALL COORDINATE THE REQUIRED INSTALLATION LOCATIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO START OF ROUGH-IN. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL "HYVP" CIRCUIT NO. 31 USING 3#10, 1#10G, IN 1-1/4"C. PROVIDE FUSES PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS.

52. WELD FUME EXTRACTOR "FS-3". WELD FUME EXTRACTOR SHALL BE PURCHASED WITH CONTROLLER AND PUSHBLE SAFETY DISCONNECT SWITCH. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED AND SHALL INSTALL THE DISCONNECT SWITCH PER THE MANUFACTURER'S REQUIREMENTS FOR CORRECT OPERATION. ELECTRICAL CONTRACTOR SHALL COORDINATE THE REQUIRED INSTALLATION LOCATIONS WITH THE MECHANICAL CONTRACTOR PRIOR TO START OF ROUGH-IN. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL "HYVP" CIRCUIT NO. 33 USING 3#10, 1#10G, IN 1-1/4"C. PROVIDE FUSES PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS.

53. PROVIDE 20A, 120V POWER CIRCUIT TO FUME HOOD SYSTEM FOR POWER TO LIGHT KIT. PROVIDE FINAL CIRCUITS TO FUME HOOD SYSTEM PER THE MANUFACTURER'S REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL INSTALL THE LIGHT KIT WITHIN THE FUME HOOD PER THE FUME HOOD SYSTEM PROVIDER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO FUME HOOD SYSTEM FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#12, 1#12G, IN 3/4"C.

54. INSTALL WITHIN STUDENT STATION CABINETWORK. COORDINATE ROUTING OF CONDUIT FROM BELOW FLOOR THRU CABINWORK WITH THE CABINWORK PROVIDER PRIOR TO START OF ROUGH-IN. SEE CABINWORK DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED.

55. INSTALL WITHIN STUDENT STATION CABINWORK. COORDINATE ROUTING OF CONDUIT FROM BELOW FLOOR THRU CABINWORK WITH THE CABINWORK PROVIDER PRIOR TO START OF ROUGH-IN. SEE CABINWORK DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED.

56. NOTE NOT USED.

57. JUNCTION BOX AS REQUIRED FOR POWER CIRCUIT TO TEMPERATURE CONTROL PANEL. PROVIDE DEDICATED 120V, 20A CIRCUIT TO T.C. PANEL FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#12, 1#12G IN 3/4"C.

NOTES (FIRST FLOOR POWER PLAN - AREA "G") (CONT):

58. PROVIDE FLUSH TYPE HORIZONTAL SUBWAY SYSTEM (SSS), 208V, 3-PHASE + GND COMPLETE WITH CABLE TAP BUS, AND ALL REQUIRED ACCESSORIES TO FORM A COMPLETE SYSTEM. PROVIDE WITH SUB-PLUG ACCESS LOCATIONS SPACED EVERY 30 INCHES. PROVIDE WITH A QUANTITY OF EIGHT (8)NO. PUSHBLE SUB PLUG ASSEMBLIES FOR POWER FEED TO EQUIPMENT BELOW THE SUBWAY SYSTEM. SUB PLUG ASSEMBLIES NOT USED SHALL BE INSTALLED AND LABELED AS "SPARE".

59. SEE SHELVING DIAGRAM, BUILDING AREA "F", SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.

60. PROVIDE NEMA 6-20R RECEPTACLE FOR WIFI DPL. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#6G IN 3/4"C. COORDINATE THE REQUIRED INSTALLATION LOCATION WITHIN THE ROOM AND THE REQUIRED MOUNTING HEIGHT WITH OWNER PRIOR TO START OF ROUGH-IN.

61. PROVIDE 6P RECEPTACLE AND DEDICATED 120V BRANCH CIRCUIT FOR WASH FOUNTAIN 6PR FROM PANEL AND CIRCUIT NO. AS NEEDED. COORDINATE THE REQUIRED INSTALLATION LOCATION AND HEIGHT WITH EQUIPMENT PROVIDER PRIOR TO START OF ROUGH-IN.

62. PUSH BUTTON ACTUATION DEVICE FOR AUDIO/VISUAL DOORBELL SYSTEM. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE PUSH BUTTON ACTUATION DEVICE AND THE DOORBELL SYSTEM PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR CORRECT OPERATION.

63. DOOR BELL SYSTEM AUDIO/VISUAL NOTIFICATION DEVICE. PROVIDE COMPLETE WITH ALL REQUIRED ACCESSORIES FOR OPERATION FROM A 120V BRANCH CIRCUIT. PROVIDE POWER CIRCUIT TO NOTIFICATION DEVICE FROM THE NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT. PROVIDE ALL CIRCUITS BETWEEN THE NOTIFICATION DEVICE AND THE PUSH BUTTON ACTUATION DEVICE AS REQUIRED FOR CORRECT OPERATION. PROVIDE PRODUCTS BY SENSORCE SIGNALING, OR APPROVED EQUAL. PROVIDE PRODUCT DATA SHEETS AND SHOP DRAWINGS FOR ALL NOTIFICATION DEVICES, PUSH-BUTTON ACTUATION DEVICE AND POWER SOURCE AS PART OF THE SUBMITTAL PROCESS. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH ALL OTHER INSTALLATION WITHIN THE AREA. LOCATION AS REQUIRED TO PROVIDE MAXIMUM VIEW OF THE VISUAL ALARM FROM ALL AREAS WITHIN THE CLASSROOM SPACES.

64. PROVIDE 20A, 120V NEMA 5-20R DUPLEX RECEPTACLE WITHIN THE GRID CEILING STRUCTURE FOR POWER TO CORD REEL ASSEMBLY. PROVIDE ALL REQUIRED SUPPLEMENT STEEL STRUCTURE SYSTEM AS REQUIRED TO SUPPORT THE CORD REEL AND WITHSTAND THE PUSHING AND PULLING FORCES APPLIED WHEN INSTALLING AND USING THE CORD REEL ASSEMBLY. PROVIDE CORD REEL ASSEMBLY. COORDINATE THE INSTALLATION LOCATION IN FIELD WITH ARCHITECT PRIOR TO START OF ROUGH-IN. SEE CORD REEL INSTALLATION DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NUMBER AS INDICATED USING 3#12, 1#12G, IN 3/4"C.

HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

CHRISTIAN COUNTY PUBLIC SCHOOLS

KDE # : BG 23-104

5185 FT. CAMPBELL BLVD
HOPKINSVILLE, KY 42240

HAFER

ALLIANCE

bell

K&S Engineering, PLLC

WBW

CAT Design and Equipment Co.

KEYPLAN

Revisions:

#	Description	Date
1	RFI #01 (CP Drawings)	07/19/23
2	RFI #02 (CP Drawings)	07/19/23
3	Addendum #1 (Specifications)	08/04/23

Designed By	Drawn By	Checked By
MJB	BDB	MJB

Sheet title:

POWER PLAN - FIRST FLOOR - AREA "G"

Architect's Project No: 2106-204

Date: May, 2023

Drawing No:

E2.1G

GENERAL NOTES (FIRST FLOOR POWER PLAN - AREA "H"):

G1. CONTRACTOR SHALL COORDINATE WITH FOOD SERVICE DRAWINGS, FOOD SERVICE EQUIPMENT CONTRACTOR AND APPROVED FOOD SERVICE SUBCONTRACTOR DRAWINGS FOR ALL INSTALLATION REQUIREMENTS, INSTALLATION LOCATIONS, AND REQUIRED MOUNTING HEIGHTS PRIOR TO START OF ROUGH-IN.

NOTES (FIRST FLOOR POWER PLAN - AREA "H"):

H1. PROVIDE JUNCTION BOX AS REQUIRED AND 120V CIRCUIT TO CONNECT DOORS FROM PANEL AND CIRCUIT NO. AS INDICATED. PROVIDE FINAL CONNECTION TO EQUIPMENT PER MANUFACTURERS REQUIREMENTS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR FOR INSTALLATION LOCATION PRIOR TO START OF ROUGH-IN.

H2. RECEPTACLE FOR MOBILE INTERACTIVE FLAT PANEL, SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

H3. PROVIDE RECEPTACLES AND DEDICATED BRANCH CIRCUIT FOR ELECTRICAL TRANSFER TABLE.

H4. INSTALL TRANSFORMER "EXTRA" HIGH ON WALL ABOVE CIRCUIT BREAKER "CIRBLD-1" (FOR POWER CIRCUIT TO GENERATOR LOAD CENTER PANEL PURCHASED WITHIN THE GENERATOR SET ENCLOSURE) AS PART OF THE GENERATOR PACKAGE. SEE ONE-LINE DIAGRAM, SHEET E3.2 FOR ADDITIONAL REQUIREMENTS.

H5. RECEPTACLE FOR POWER TO AUDIO-VIDEO CONTROL CABINET. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH THE INSTALLATION REQUIREMENTS OF THE AUDIO-VIDEO CONTROL CABINET. SEE TYPICAL INSTRUCTIONS AV ACCESS CABINET LOCATION ELECTRICAL REQUIREMENT DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

H6. RECEPTACLE AND DEDICATED BRANCH CIRCUIT, INSTALL WITHIN THE ELEVATOR PIT AREA.

H7. COORDINATE ALL ELECTRICAL INSTALLATION REQUIREMENTS, INSTALLATION LOCATIONS AND MOUNTING HEIGHTS WITHIN THE ELEVATOR SHAFT AND THE ELEVATOR PIT AREAS WITH THE ELEVATOR PROVIDER PRIOR TO START OF ROUGH-IN TO ENSURE INSTALLATION WILL MEET THE REQUIREMENTS OF THE ELEVATOR PROVIDER, ELEVATOR INSPECTOR AND ALL LOCAL AUTHORITIES HAVING JURISDICTION.

H8. PROVIDE RECEPTACLE AND DEDICATED 30A, 208V SINGLE-PHASE BRANCH CIRCUIT FOR VERSATILE SHOWER. PROVIDE NEMA 6-30R RECEPTACLE. PROVIDE FINAL CONDUCTORS FOR ALL PHASE AND GROUND CONDUCTORS.

NOTES (FIRST FLOOR POWER PLAN - AREA "H"):(CONT):

H9. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR RADIAL ARM SAW.

H10. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR VERTICAL BAND SAW.

H11. PROVIDE 30A1 FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO MOTORIZED OVERHEAD DOOR SYSTEM. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE MOTORIZED OVER HEAD DOOR SYSTEM. PROVIDE FINAL CIRCUIT TO MOTORIZED DOOR SYSTEM CONTROLLER PER MANUFACTURERS REQUIREMENTS. PROVIDE FUSING PER MANUFACTURERS REQUIREMENTS. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE REMOTE OPERATOR CONTROL DEVICE AND THE CONTROLLER FOR THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#10, 1#10 IN 3/4"C.

H12. JUNCTION BOXES AND DEDICATED 120 VAC EMERGENCY POWER BRANCH CIRCUIT FOR POWER TO FIRE ALARM SYSTEM PANELS AND EQUIPMENT. PROVIDE ALL REQUIRED POWER CIRCUITS AND CONNECT TO FIRE ALARM SYSTEM PANELS AND EQUIPMENT PER THE FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS. COORDINATE THE REQUIRED INSTALLATION LOCATIONS WITH THE INSTALLATION REQUIREMENTS FOR THE FIRE ALARM SYSTEM.

H13. NOTE NOT USED.

H14. ALL RECEPTACLES PROVIDED WITHIN THIS ROOM SHALL BE NEMA 5-20R HEAVY DUTY INDUSTRIAL GRADE OR TYPE UNLESS NOTED OTHERWISE ON NOTED TO BE FED FROM A GFI TYPE CIRCUIT BREAKER.

H15. PROVIDE A QUANTITY FOUR DUPLEX RECEPTACLES EACH FED FROM A DEDICATED 120V, 20A NORMAL POWER BRANCH CIRCUIT WITHIN EQUIPMENT RACK. PROVIDE CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO.S AS INDICATED BELOW:
RACK #1: L1H-1,3,5,7
RACK #2: L1H-9,11,13,15
RACK #3: L1H-17,19,21,23

NOTES (FIRST FLOOR POWER PLAN - AREA "H"):(CONT):

H16. PROVIDE A QUANTITY FOUR DUPLEX RECEPTACLES EACH FED FROM A DEDICATED 120V, 20A EMERGENCY POWER BRANCH CIRCUIT WITHIN EQUIPMENT RACK. PROVIDE CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO.S AS INDICATED BELOW:
RACK #1: EL1H-2,4,6,8
RACK #2: EL1H-10,12,14,16
RACK #3: EL1H-18,20,22,24

H17. COORDINATE THE INSTALLATION LOCATIONS & MOUNTING HEIGHTS WITHIN THE EQUIPMENT RACK WITH ALL INSTALLATION WITHIN THE RACK. ACCESS TO THE RECEPTACLES SHALL NOT BE BLOCKED BY EQUIPMENT INSTALLATION. INSTALLATION LOCATIONS SHALL NOT PREVENT THE CHANGE FROM INSTALLING EQUIPMENT WITHIN THE RACK.

H18. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR POWER TO PRINTER / COPIER MACHINE.

H19. RECEPTACLE FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT AS BUILT WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHERE THE OUTLETS FROM VIEW AND STILL ALLOWS THE RECEPTACLE TO BE ACCESSIBLE. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

H20. PROVIDE NEMA L6-30R TYPE RECEPTACLE. PROVIDE DEDICATED 30A1, SINGLE-PHASE 208 BRANCH CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NUMBER AS INDICATED USING 3#10, 1#10 IN 3/4"C.

H21. PROVIDE PANING CONDUCTORS FOR ALL "PANEL", "MIRROR", AND EQUIPMENT GROUND CONDUCTORS FOR ENTIRE LIBRARY OF BRANCH CIRCUIT.

H22. RECEPTACLE FOR VIDEO MONITOR. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE VIDEO MONITOR. IN GENERAL, INSTALL BEHIND THE VIDEO MONITOR IN LOCATION WHERE HERE THE OUTLETS FROM VIEW AND STILL ALLOWS THE RECEPTACLE TO BE ACCESSIBLE.

NOTES (FIRST FLOOR POWER PLAN - AREA "H"):(CONT):

H23. PROVIDE 20A, 120V NEMA 5-20R DUPLEX RECEPTACLE WITHIN THE EXPOSED CEILING STRUCTURE AREA FOR POWER TO CORD REEL ASSEMBLY. PROVIDE ALL REQUIRED SUPPLEMENTAL STEEL STRUCTURE SYSTEM AS REQUIRED TO SUPPORT THE CORD REEL AND WITHSTAND FORCES FROM HANGING THE CORD REEL AND PULLING CORD ASSEMBLY FOR USE. PROVIDE CORD REEL ASSEMBLY. COORDINATE THE LOCATION IN FIELD WITH ARCHITECT PRIOR TO START OF ROUGH-IN. SEE CORD REEL INSTALLATION DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS REGARDING THE CORD REEL ASSEMBLY AND INSTALLATION OF THE CORD REEL ASSEMBLY. PROVIDE POWER CIRCUIT 10 RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NUMBER AS INDICATED.

H24. GROUND BUS BAR ON INSULATED STAND-OFF DEVICES. SEE GROUNDING SYSTEM RISER DIAGRAM, SHEET E1.14, FOR ADDITIONAL REQUIREMENTS.

H25. PROVIDE 30A2 FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO JOINTER EQUIPMENT. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE JOINTER. PROVIDE FINAL CIRCUIT TO JOINTER CONTROLLER PER MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#10, 1#10 IN 3/4"C. PROVIDE SUCH-RIGHT TRANSFORMER FEED FOR THE CONNECTED LOAD TO CONVERT THE 208 SINGLE-PHASE CIRCUIT TO 230V SINGLE-PHASE. VERIFY REQUIREMENTS PRIOR TO START OF ROUGH-IN.

H26. CONSIST STATION FOR MOTOR LOADS AS INDICATED. SEE ELECTRICAL PLAN - HEAT - AREA "H", SHEET E1.3H, FOR ADDITIONAL REQUIREMENTS. SEE MOTOR CONTROL SCHEDULE & MOTOR CONTROL WIRING DIAGRAMS, SHEETS E1.16 & E1.11, FOR ADDITIONAL REQUIREMENTS.

H27. PROVIDE 120 RECEPTACLE AND DEDICATED 120V BRANCH CIRCUIT FOR WATER FOUNTAIN SUBA FROM PANEL AND CIRCUIT NO. AS INDICATED. COORDINATE THE REQUIRED INSTALLATION LOCATION AND HEIGHT WITH EQUIPMENT PROVIDER PRIOR TO START OF ROUGH-IN.

H28. NOTE NOT USED.

NOTES (FIRST FLOOR POWER PLAN - AREA "H"):(CONT):

H29. NOTE NOT USED.

H30. MOBILE GENERATOR SET DOCKING STATION. SEE ONE-LINE DIAGRAM, SHEET E3.2, FOR ADDITIONAL REQUIREMENTS.

H31. PROVIDE NEMA 5-20R DUPLEX RECEPTACLE. PROVIDE POWER FEED TO RECEPTACLE THROUGH ABOVECEILING CONDUIT. INSTALLED WITHIN RODS. COORDINATE THE INSTALLATION LOCATION AND INSTALLATION REQUIREMENTS WITH THE PURSPCONTROLLER PROVIDER AND ELEVATOR PROVIDER PRIOR TO START OF ROUGH-IN.

H32. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR VIDEO.

H33. NOTE NOT USED.

H34. NOTE NOT USED.

H35. PROVIDE RECEPTACLE HIGH ON WALL BEHIND MONITOR FOR VIDEO SURVEILLANCE.

H36. PROVIDE RECEPTACLE HIGH ON WALL BEHIND VIDEO MONITOR FOR DIGITAL SIGNAGE.

H37. PROVIDE A QUANTITY OF EIGHT (8 OVER 4 ARRANGEMENT) 4" RIGID STEEL CONDUIT THROUGH WALL FOR INSTALLATION PATHWAY FOR MOBILE CABINET CABLES TO THE NORMAL POWER MAIN DISTRIBUTION SWITCHBOARD. PROVIDE SCREW-GAN CAPS ON BOTH ENDS OF THE CONDUITS. PAINT CONDUITS ON BUILDING EXTERIOR AREA TO MATCH ADJACENT PANEL. COORDINATE PAINT COLOR WITH ARCHITECT.

H38. PROVIDE SAFETY DISCONNECT MEANS NEAR THE INTERCOM UNIT. PROVIDE ALL REQUIRED POWER, CONTROL, & COMMUNICATION CIRCUITS BETWEEN THE INDOOR UNIT AND THE ASSOCIATED OUTDOOR CONDENSING UNIT PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS.

H39. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FED FROM A SPD TYPE CIRCUIT BREAKER FOR POWER TO ELECTRIC WATER COOLER.

H40. PROVIDE 60A2 FUSIBLE SAFETY DISCONNECT SWITCH FOR 480V 3-PHASE POWER CIRCUIT TO FLAGPOLE EQUIPMENT. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE FLAGPOLE. PROVIDE FINAL CIRCUIT TO FLAGPOLE CONTROLLER PER MANUFACTURERS REQUIREMENTS. PROVIDE FUSING PER MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#10 IN 3/4"C. PROVIDE SUPPORT STRUCTURE AS REQUIRED AND INSTALL DISCONNECT SWITCH NEAR EQUIPMENT.

H41. PROVIDE 60A2 FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO AT BAR MACHINE. PROVIDE FINAL CIRCUIT TO MACHINE PER EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE FUSING AS REQUIRED PER EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#6, 1#10 IN 3/4"C. PROVIDE SUPPORT STRUCTURE AS REQUIRED AND INSTALL DISCONNECT SWITCH NEAR EQUIPMENT.

H42. PUSH BUTTON ACTIVATION DEVICE FOR AUDIO/VISUAL DOORBELL SYSTEM. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE PUSH BUTTON ACTIVATION DEVICE AND THE DOORBELL SYSTEM PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS FOR CORRECT OPERATION.

H43. DOOR BELL SYSTEM AUDIO/VISUAL NOTIFICATION DEVICE. PROVIDE COMPLETE WITH ALL REQUIRED ACCESSORIES FOR OPERATION FROM A 120V BRANCH CIRCUIT. PROVIDE POWER CIRCUIT TO NOTIFICATION DEVICE FROM THE NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT. PROVIDE ALL CIRCUITS BETWEEN THE NOTIFICATION DEVICE AND THE PUSH BUTTON ACTIVATION DEVICE AS REQUIRED FOR CORRECT OPERATION. PROVIDE PRODUCTS BY SENNEBOGEN OR EQUAL. PROVIDE PRODUCT DATA SHEETS AND SIMPLE INTERCONNECTION DIAGRAM OF NOTIFICATION DEVICES, PUSH-BUTTON ACTIVATION DEVICE AND POWER SOURCE AS PART OF THE SUBMITTAL PROCESS. COORDINATE THE REQUIRED INSTALLATION LOCATION AND SUSPENSION HEIGHT WITH ALL OTHER INSTALLATION WITHIN THE AREA. LOCATION AS REQUIRED TO PROVIDE MAXIMUM VIEW OF THE VISUAL SIGNAL FROM ALL AREAS WITHIN THE CLASSROOM SPACES.

H44. NOTE NOT USED.

H45. PROVIDE 30A, 120V NEMA 5-20R DUPLEX RECEPTACLE WITHIN THE EXPOSED CEILING STRUCTURE AREA FOR POWER TO CORD REEL ASSEMBLY FOR THIS 2 BAY. PROVIDE ALL REQUIRED SUPPLEMENTAL STEEL STRUCTURE SYSTEM AS REQUIRED TO SUPPORT THE CORD REEL AND WITHSTAND FORCES FROM HANGING THE CORD REEL AND PULLING CORD ASSEMBLY FOR USE. PROVIDE CORD REEL ASSEMBLY. COORDINATE THE LOCATION IN FIELD WITH ARCHITECT PRIOR TO START OF ROUGH-IN. SEE CORD REEL INSTALLATION DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS REGARDING THE CORD REEL ASSEMBLY AND INSTALLATION OF THE CORD REEL ASSEMBLY. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NUMBER AS INDICATED.

H46. PROVIDE 60A2 FUSIBLE SAFETY DISCONNECT SWITCH NEAR HVAC UNIT WITHIN THE ACCESSIBLE CEILING CAVITY SPACE. PROVIDE POWER CIRCUIT TO HVAC UNIT THROUGH DISCONNECT SWITCH PER THE MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#10, 1#10 IN 3/4"C. PROVIDE FUSING PER THE MANUFACTURERS REQUIREMENTS. COORDINATE REQUIRED INSTALLATION LOCATION IN FIELD WITH THE HVAC UNIT REQUIREMENTS AND ALL OTHER INSTALLATION WITHIN THE AREA.

H47. PROVIDE 30A2 FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO MOBILE SHOT COLLECTION SYSTEM. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH REQUIREMENTS OF THE FUME EXTRACTOR. PROVIDE FUSING PER MANUFACTURERS REQUIREMENTS. PROVIDE 480V, THREE-PHASE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#10, 1#10G IN 3/4"C.

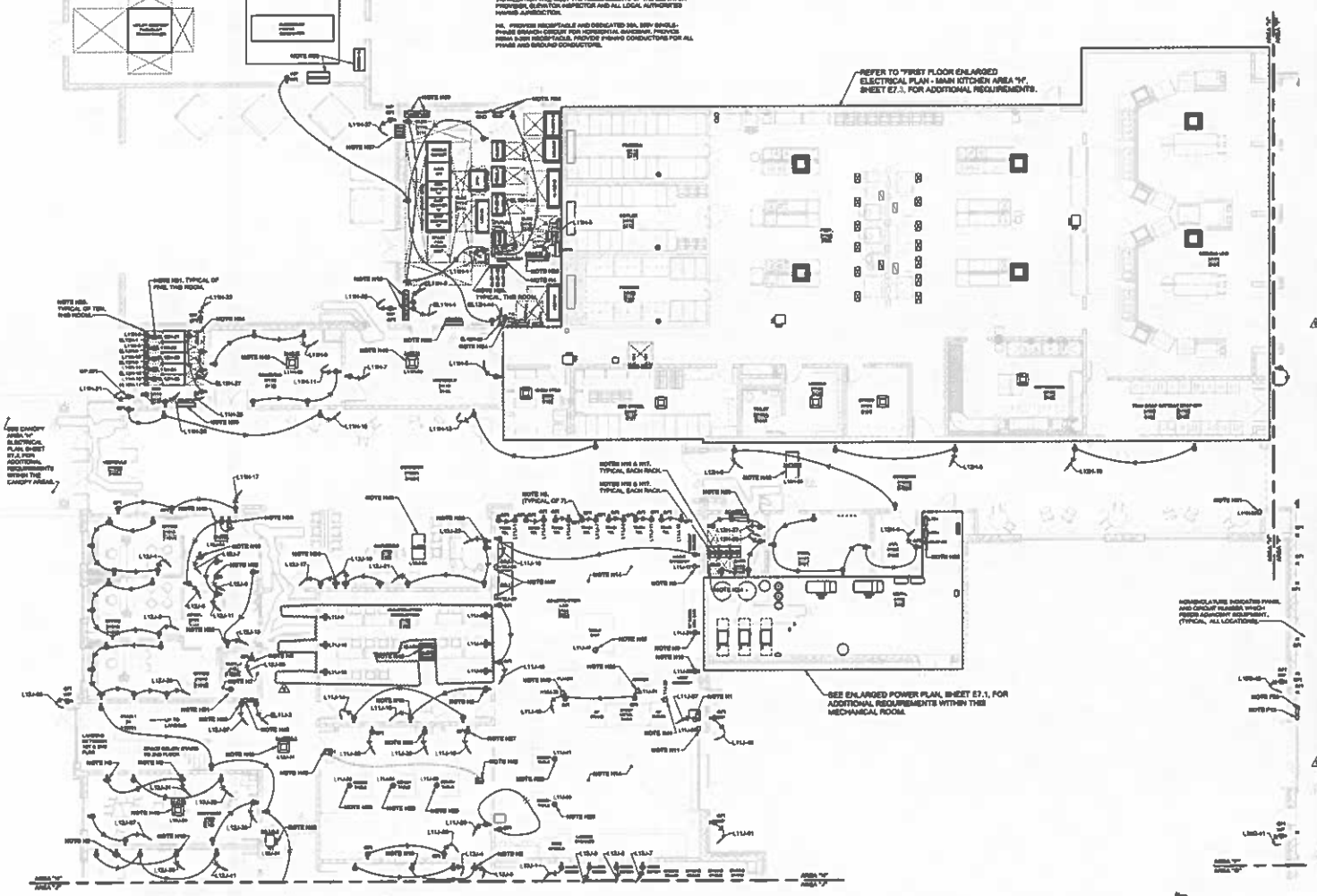
H48. PROVIDE FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO ELEVATOR CONTROLLER. SEE ONE-LINE DIAGRAM - EMERGENCY POWER, SHEET E3.2, FOR ADDITIONAL REQUIREMENTS.

H49. PROVIDE NEMA 5-20R DUPLEX RECEPTACLE AND DEDICATED 120V BRANCH CIRCUIT FOR CORD AND PLUG POWER CONNECTIONS TO ALLWATER SUMP PUMP CONTROLLS AND ASSOCIATED ALARM PANEL. PANEL AND CIRCUIT NO. INDICATED SHALL BE USED TO PROVIDE POWER TO THE CONTROLLER AND ALARM PANEL, AND FEED THE CONTROLLER TO RECEPTACLE IN ELEVATOR PIT FOR SUMP PUMP. COORDINATE THE INSTALLATION LOCATION AND INSTALLATION REQUIREMENTS WITH THE PURSPCONTROLLER PROVIDER AND ELEVATOR PROVIDER PRIOR TO START OF ROUGH-IN. THE CONTROLLER AND ASSOCIATED ALARM PANEL SHALL BE FED FROM SAME BRANCH CIRCUIT.

H50. SPARE FUSE CABINET. PROVIDE SPARE FUSE CABINET. SEE DIVISION 26 SPECIFICATION SECTION 26270 "FUSES" FOR QUANTITY AND LIST OF SPARE FUSE CABINETS FOR ADDITIONAL REQUIREMENTS.

H51. PROVIDE 30A1 FUSIBLE SAFETY DISCONNECT MEANS WITHIN ACCESSIBLE CEILING CAVITY SPACE NEAR CEILING SECURITY SHELL CONTROLLER. PROVIDE FUSING AND FINAL CIRCUIT TO CONTROLLER PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND CIRCUIT NO. AS INDICATED USING 3#10, 1#10G IN 3/4"C. PROVIDE FUSING PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. COORDINATE REQUIRED INSTALLATION LOCATION IN FIELD WITH THE HVAC UNIT REQUIREMENTS AND ALL OTHER INSTALLATION WITHIN THE AREA.

H52. JUNCTION BOX AND DEDICATED BRANCH CIRCUIT FOR TEMPERATURE CONTROL PANEL. PROVIDE FINAL CIRCUIT TO T.C. PANEL PER THE EQUIPMENT MANUFACTURERS REQUIREMENTS. PROVIDE CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3#12, 1#12G IN 3/4"C.



POWER PLAN - FIRST FLOOR - AREA "H"
1/8" = 1'-0"

HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

CHRISTIAN COUNTY PUBLIC SCHOOLS

KDE # : BG 22-104

5166 FT. CAMPBELL BLVD
HOPKINSVILLE, KY 42240

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KEYPLAN

NO. 0090044
STATE OF KENTUCKY
LICENSED PROFESSIONAL ENGINEER

Revisions:

#	Description	Date
1	Plan Clarification Bulletin CBB-001-E	7/28/2023
2	Revised Unit Sump Pumps	10/19/2023
3	Revised Electrical Equipment Rooms	10/19/2023
4	Revised Fire Alarm Equipment	10/19/2023
5	Plan Clarification Bulletin CBB-002-E	10/19/2023
6	Plan Clarification Bulletin CBB-003-E	10/19/2023

Designed By:	Drawn By:	Checked By:
MJB	BDB	MJB

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Sheet title:

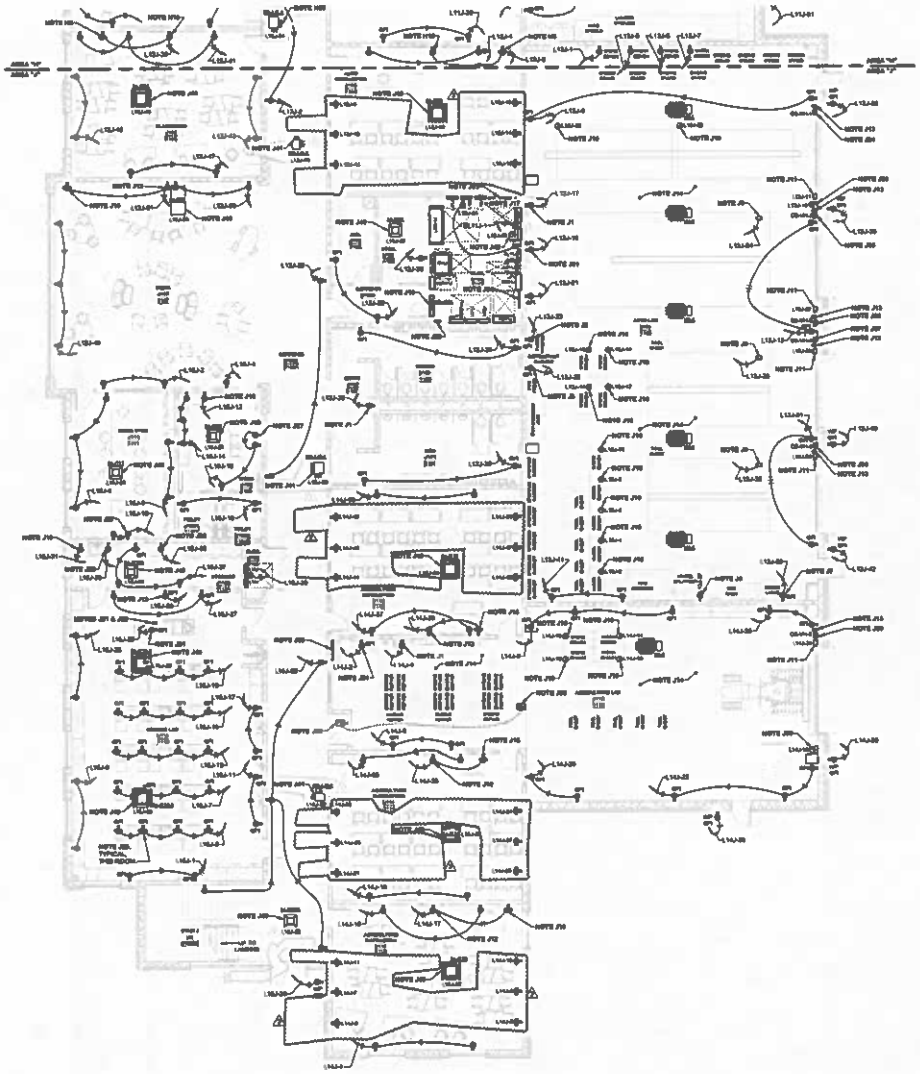
POWER PLAN - FIRST FLOOR - AREA "H"

Architect's Project No: 2106-204

Date: May, 2023

Drawing No:

E2.1H



POWER PLAN - FIRST FLOOR - AREA "J"

1/8" = 1'-0"

NOTES (FIRST FLOOR POWER PLAN - AREA "J"):

J1. RECEPTACLE AND DEDICATED BRANCH CIRCUIT (FED FROM A SPC) TYPE CIRCUIT BREAKER) FOR POWER TO ELECTRIC WATER COOLER.

J2. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR PARTS WASHER.

J3. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR REFRIGERANT MACHINE.

J4. NOTE NOT USED.

J5. NOTE NOT USED.

J6. PROVIDE 208V 3-WIRE 20A RECEPTACLE AND DEDICATED 208V, 20A, SINGLE-PHASE BRANCH CIRCUIT FOR WHEEL BALANCER. PROVIDE SHORT-ROUTE WHEREVER POSSIBLE. PROVIDE ADAPTER AS REQUIRED TO CONNECT THE 208V SYSTEM TO 208V SYSTEM PROVIDED FOR THE WHEEL BALANCER EQUIPMENT. PROVIDE CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED. PROVIDE 20FA, 125VAC, 3-WIRE, 3-WIRE, PROVIDE MATCHING CORD AND PLUG ASSEMBLY (NEMA 6-20P) AND INSTALL ON THE OWNER'S WHEEL BALANCER EQUIPMENT. SHARE BALANCER ELECTRICAL REQUIREMENTS ARE 208V, 15 AMPERES.

J7. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR BRAKE LATHE. PROVIDE NEMA 6-20R RECEPTACLE. PROVIDE POWER CIRCUIT TO RECEPTACLE USING 20FA, 125VAC, 3-WIRE, 3-WIRE. NOTE: WIRE SIZE IS SUPPED UP FOR EASY CHANGE IN FUTURE TO A 30A CIRCUIT.

J8. PROVIDE 30AF FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO AUTOMOTIVE LIFT EQUIPMENT. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE AUTOMOTIVE LIFT EQUIPMENT. PROVIDE FINAL CIRCUIT TO AUTOMOTIVE LIFT EQUIPMENT CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE REMOTE WINDOW CONTROL DEVICE AND THE CONTROLLER PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. PROVIDE FINAL CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED. PROVIDE SUPPORT STRUCTURE AS REQUIRED FOR SUPPORT OF DISCONNECT SWITCH.

J9. PROVIDE 30AF FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO AUTOMOTIVE LIFT EQUIPMENT. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE AUTOMOTIVE LIFT EQUIPMENT. PROVIDE FINAL CIRCUIT TO AUTOMOTIVE LIFT EQUIPMENT CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE REMOTE WINDOW CONTROL DEVICE AND THE CONTROLLER PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED. PROVIDE SUPPORT STRUCTURE AS REQUIRED FOR SUPPORT OF DISCONNECT SWITCH.

J10. PROVIDE 20A, 125V NEMA 5-20R DUPLEX RECEPTACLE WITHIN THE SUPPORT CEILING STRUCTURE AREA FOR POWER TO CORD REEL ASSEMBLY. PROVIDE ALL REQUIRED SUPPLEMENT STEEL STRUCTURE SYSTEM AS REQUIRED TO SUPPORT THE CORD REEL AND WITHSTAND FORCES FROM HANGING THE CORD REEL AND PULLING CORD ASSEMBLY FOR USE. PROVIDE CORD REEL ASSEMBLY. COORDINATE THE LOCATION IN FIELD WITH ARCHITECT PRIOR TO START OF ROUGH-IN. SEE CORD REEL INSTALLATION DETAIL, SHEET E1.5. FOR ADDITIONAL REQUIREMENTS REGARDING THE CORD REEL ASSEMBLY AND INSTALLATION OF THE CORD REEL ASSEMBLY. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NUMBER AS INDICATED.

J11. PROVIDE 30AF FUSIBLE SAFETY DISCONNECT SWITCH FOR POWER TO MOTORIZED OVERHEAD DOOR SYSTEM. COORDINATE INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE REQUIREMENTS OF THE MOTORIZED OVER HEAD DOOR SYSTEM. PROVIDE FINAL CIRCUIT TO MOTORIZED DOOR SYSTEM CONTROLLER PER MANUFACTURER'S REQUIREMENTS. PROVIDE FUSING PER MANUFACTURER'S REQUIREMENTS. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE REMOTE WINDOW CONTROL DEVICE AND THE CONTROLLER PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT TO DISCONNECT SWITCH FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED. PROVIDE 20FA, 125VAC, 3-WIRE, 3-WIRE.

J12. RECEPTACLE FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLETS FROM VIEW AND STILL ALLOWS THE RECEPTACLE TO BE ACCESSIBLE. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.5. FOR ADDITIONAL REQUIREMENTS.

J13. PROVIDE TOGGLE-TYPE ON/OFF CONTROL SWITCH NEAR COMBO-MOTOR STARTER. SEE MOTOR CONTROL SCHEDULE AND MOTOR CONTROL WIRING DIAGRAM, SHEETS E1.10 AND E1.11. FOR ADDITIONAL REQUIREMENTS.

J14. ALL RECEPTACLES PROVIDED WITHIN THIS ROOM SHALL BE NEMA 5-20R HEAVY DUTY INDUSTRIAL GRADE GFI TYPE UNLESS NOTED OTHERWISE OR NOTED TO BE FED FROM A GFI TYPE CIRCUIT BREAKER.

J15. RECEPTACLE FOR POWER TO AUDIOVIDEO CONTROL CABINET. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH THE INSTALLATION REQUIREMENTS OF THE AUDIOVIDEO CONTROL CABINET. SEE TYPICAL INSTRUCTOR'S AV ACCESS CABINET LOCATION ELECTRICAL REQUIREMENT DETAIL, SHEET E1.5. FOR ADDITIONAL REQUIREMENTS.

J16. PROVIDE SAFETY DISCONNECT MEANS NEAR THE INDOOR UNIT. PROVIDE ALL REQUIRED POWER, CONTROL, & SIGNALING WIRE CIRCUITS BETWEEN THE INDOOR UNIT AND THE ASSOCIATED OUTDOOR CONDENSING UNIT PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS.

J17. JUNCTION BOXES AND DEDICATED NEC 700 EMERGENCY POWER BRANCH CIRCUIT FOR POWER TO FIRE ALARM SYSTEM PANELS AND EQUIPMENT. PROVIDE ALL REQUIRED POWER CIRCUITS AND CONNECT TO FIRE ALARM SYSTEM PANELS AND EQUIPMENT PER THE FIRE ALARM SYSTEM MANUFACTURER'S REQUIREMENTS. COORDINATE THE REQUIRED INSTALLATION LOCATIONS WITH THE INSTALLATION REQUIREMENTS FOR THE FIRE ALARM SYSTEM.

J18. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR POWER TO PRINTER / COPIER MACHINE.

J19. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR REFRIGERATOR.

J20. GROUND BUS BAR ON INSULATED STAND-OFF SPACERS. SEE GROUNDING SYSTEM RISER DIAGRAM, SHEET E1.1A. FOR ADDITIONAL REQUIREMENTS.

J21. INSTALL WITHIN TEACHER'S STATION CABINWORK. COORDINATE ROUTING OF CONDUIT FROM BELOW FLOOR THRU CABINWORK WITH THE CABINWORK PROVIDER PRIOR TO START OF ROUGH-IN. SEE CABINWORK DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED.

J22. PROVIDE TOGGLE TYPE CONTROL SWITCH FOR CONTROL OF ELECTRIC BOILERLESS WATER FOR HOT AND COLD WATER SERVICE WITHIN THIS ROOM. PROVIDE POWER FEED TO CONTROL SWITCH FROM THE SAME BRANCH CIRCUIT WHICH FEEDS THE ADJACENT RECEPTACLE. PROVIDE ENGRAVED DEVICE PLATE ON SWITCH WHICH READS "WTR CTRL". LABELS SHALL ALSO INDICATE THE "ON" AND "OFF" POSITIONS. PROVIDE CIRCUIT FROM LOAD SIDE OF SWITCH TO WATER CONTROL VALVES FOR CORRECT OPERATION. WATER SHALL BE ALLOWED TO FLOW WHENEVER THERE IS 120V APPLIED TO THE VALVES. SEE MECHANICAL & PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS AND GENERAL LOCATIONS OF WATER CONTROL VALVES.

J23. SPACE RESERVED FOR ROUTING OF VERTICAL CONDUIT RECEIVING FROM UNDERGROUND TO VERTICAL UP WALL FOR COMMUNICATIONS FIBER CABLE. SEE COMMUNICATION ROOM LOCATION PLAN - FIRST FLOOR, SHEET E3.1. FOR ADDITIONAL REQUIREMENTS. SEE SITE ELECTRICAL PLAN, SHEET E1.1. FOR ADDITIONAL REQUIREMENTS.

J24. PROVIDE COMBINATION MOTOR CONTROLLER FOR MOTOR LOAD AS INDICATED. PROVIDE SUPPORT STRUCTURE AS REQUIRED TO INSTALL COMBO-STARTER NEAR MOTOR LOAD. PROVIDE POWER CIRCUIT TO MOTOR LOAD (THROUGH COMBO-STARTER) FROM PANEL "H1A", CIRCUIT NO. 1 USING 3PNO, 1PNEO, IN 3/4"C. COORDINATE INSTALLATION LOCATION IN FIELD WITH ALL OTHER INSTALLATION AND MOTOR LOAD. SEE MOTOR CONTROL SCHEDULE AND MOTOR CONTROL WIRING DIAGRAM, SHEETS E1.10 AND E1.11. FOR ADDITIONAL REQUIREMENTS.

J25. JUNCTION BOX AND DEDICATED BRANCH CIRCUIT FOR DISH WASHING MACHINE. PROVIDE FINAL CIRCUIT TO DISH WASHING MACHINE PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS.

J26. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR AUTOCLAVE. COORDINATE THE REQUIRED RECEPTACLE NEMA CONFIGURATION WITH THE AUTOCLAVE EQUIPMENT PRIOR TO PURCHASE OF CONDUCTORS AND RECEPTACLE.

NOTES (FIRST FLOOR POWER PLAN - AREA "J"(CONT.)):

J27. RECEPTACLE FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLETS FROM VIEW AND STILL ALLOWS THE RECEPTACLE TO BE ACCESSIBLE.

J28. INSTALL WITHIN STUDENT STATION CABINWORK. COORDINATE ROUTING OF CONDUIT FROM BELOW FLOOR THRU CABINWORK WITH THE CABINWORK PROVIDER PRIOR TO START OF ROUGH-IN. SEE CABINWORK DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. PROVIDE POWER CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED.

J29. NOTE NOT USED.

J30. PROVIDE JUNCTION BOX AS REQUIRED AND 120V CIRCUIT TO CONNECT MONITORING PANEL FROM PANEL AND CIRCUIT NO. AS INDICATED. PROVIDE FINAL CONNECTION TO EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH MECHANICAL ENGINEER FOR INSTALLATION LOCATION PRIOR TO START OF ROUGH-IN.

J31. PROVIDE 5A RECEPTACLE AND DEDICATED 120V BRANCH CIRCUIT FOR WASH FOUNTAIN 5SS. FROM PANEL AND CIRCUIT NO. AS INDICATED. COORDINATE THE REQUIRED INSTALLATION LOCATION AND HEIGHT WITH EQUIPMENT PROVIDER PRIOR TO START OF ROUGH-IN.

J32. PUSH BUTTON ACTIVATION DEVICE FOR AUDIOVISUAL DOORBELL SYSTEM. PROVIDE ALL REQUIRED CIRCUITS BETWEEN THE PUSH BUTTON ACTIVATION DEVICE AND THE DOORBELL SYSTEM PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR CORRECT OPERATION.

J33. DOOR BELL SYSTEM AUDIOVISUAL NOTIFICATION DEVICE. PROVIDE COMPLETE WITH ALL REQUIRED ACCESSORIES FOR OPERATION FROM A 120V BRANCH CIRCUIT. PROVIDE POWER CIRCUIT TO NOTIFICATION DEVICES FROM THE NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT. PROVIDE ALL CIRCUITS BETWEEN THE NOTIFICATION DEVICE AND THE PUSH BUTTON ACTIVATION DEVICE AS REQUIRED FOR CORRECT OPERATION. PROVIDE PRODUCTS BY SONAMESS SIMULINK, OR APPROVED EQUAL. PROVIDE PRODUCT SKU# SHLL-VB AND SHPLE WITH SUPERVISION DIAGNOSE OF NOTIFICATION DEVICES. PUSH-BUTTON ACTIVATION DEVICE AND POWER SOURCE AS PART OF THE SUBSTITION. PROVIDE. COORDINATE THE REQUIRED INSTALLATION LOCATION AND SUPERVISED HEIGHT WITH ALL OTHER INSTALLATION WITHIN THE AREA. LOCATION AS REQUIRED TO PROVIDE MAXIMUM VIEW OF THE VISUAL ALARM FROM ALL AREAS WITHIN THE CLASSROOM SPACES.

J34. AREA ALONG THE WALL SHALL BE RESERVED FOR CONSULT STUDENT LOCATION FOR FUTURE CONSULTS TO SITE LOADS AND SITE ELECTRIC WAREHOUSE.

J35. PROVIDE COMBINATION MOTOR CONTROLLER FOR MOTOR LOAD AS INDICATED. PROVIDE SUPPORT STRUCTURE AS REQUIRED TO INSTALL COMBO-STARTER NEAR MOTOR LOAD. PROVIDE POWER CIRCUIT TO MOTOR LOAD (THROUGH COMBO-STARTER) FROM PANEL "H1A", CIRCUIT NO. 1 USING 3PNO, 1PNEO, IN 3/4"C. COORDINATE INSTALLATION LOCATION IN FIELD WITH ALL OTHER INSTALLATION AND MOTOR LOAD. SEE MOTOR CONTROL SCHEDULE AND MOTOR CONTROL WIRING DIAGRAM, SHEETS E1.10 AND E1.11. FOR ADDITIONAL REQUIREMENTS.

J36. PROVIDE COMBINATION MOTOR CONTROLLER FOR MOTOR LOAD AS INDICATED. PROVIDE SUPPORT STRUCTURE AS REQUIRED TO INSTALL COMBO-STARTER NEAR MOTOR LOAD. PROVIDE POWER CIRCUIT TO MOTOR LOAD (THROUGH COMBO-STARTER) FROM PANEL "H1A", CIRCUIT NO. 13 USING 3PNO, 1PNEO, IN 3/4"C. COORDINATE INSTALLATION LOCATION IN FIELD WITH ALL OTHER INSTALLATION AND MOTOR LOAD. SEE MOTOR CONTROL SCHEDULE AND MOTOR CONTROL WIRING DIAGRAM, SHEETS E1.10 AND E1.11. FOR ADDITIONAL REQUIREMENTS.

J37. PROVIDE COMBINATION MOTOR CONTROLLER FOR MOTOR LOAD AS INDICATED. PROVIDE SUPPORT STRUCTURE AS REQUIRED TO INSTALL COMBO-STARTER NEAR MOTOR LOAD. PROVIDE POWER CIRCUIT TO MOTOR LOAD (THROUGH COMBO-STARTER) FROM PANEL "H1A", CIRCUIT NO. 15 USING 3PNO, 1PNEO, IN 3/4"C. COORDINATE INSTALLATION LOCATION IN FIELD WITH ALL OTHER INSTALLATION AND MOTOR LOAD. SEE MOTOR CONTROL SCHEDULE AND MOTOR CONTROL WIRING DIAGRAM, SHEETS E1.10 AND E1.11. FOR ADDITIONAL REQUIREMENTS.

J38. PROVIDE COMBINATION MOTOR CONTROLLER FOR MOTOR LOAD AS INDICATED. PROVIDE SUPPORT STRUCTURE AS REQUIRED TO INSTALL COMBO-STARTER NEAR MOTOR LOAD. PROVIDE POWER CIRCUIT TO MOTOR LOAD (THROUGH COMBO-STARTER) FROM PANEL "H1A", CIRCUIT NO. 21 USING 3PNO, 1PNEO, IN 3/4"C. COORDINATE INSTALLATION LOCATION IN FIELD WITH ALL OTHER INSTALLATION AND MOTOR LOAD. SEE MOTOR CONTROL SCHEDULE AND MOTOR CONTROL WIRING DIAGRAM, SHEETS E1.10 AND E1.11. FOR ADDITIONAL REQUIREMENTS.

J39. PROVIDE 30AF FUSIBLE SAFETY DISCONNECT SWITCH NEAR HANG UNIT WITHIN THE ACCESSIBLE CEILING CAVITY SPACE. PROVIDE POWER CIRCUIT TO HANG UNIT (THROUGH DISCONNECT SWITCH) PER THE MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3PNO, 1PNEO IN 3/4"C. PROVIDE FUSING PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. COORDINATE REQUIRED INSTALLATION LOCATION IN FIELD WITH THE HANG UNIT REQUIREMENTS AND ALL OTHER INSTALLATION WITHIN THE AREA.

J40. PROVIDE 30AF FUSIBLE SAFETY DISCONNECT SWITCH NEAR BRANCH SELECTOR UNIT WITHIN THE ACCESSIBLE CEILING CAVITY SPACE. PROVIDE POWER CIRCUIT TO BRANCH SELECTOR UNIT (THROUGH DISCONNECT SWITCH) PER THE MANUFACTURER'S REQUIREMENTS. PROVIDE POWER CIRCUIT FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 3PNO, 1PNEO IN 3/4"C. PROVIDE FUSING PER THE EQUIPMENT MANUFACTURER'S REQUIREMENTS. COORDINATE REQUIRED INSTALLATION LOCATION IN FIELD WITH THE HANG UNIT REQUIREMENTS AND ALL OTHER INSTALLATION WITHIN THE AREA.

J41. JUNCTION BOX AS REQUIRED FOR POWER CIRCUIT TO TEMPERATURE CONTROL PANEL. PROVIDE DEDICATED 120V, 20A CIRCUIT TO TC, FROM PANEL AND BRANCH CIRCUIT NO. AS INDICATED USING 2PNO, 1PNEO IN 3/4"C.

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KEYPLAN

Revisions:

#	Description	Date
1	ADDEND. SET Specification, Drawings	05/12/23
2	Drawings Revised Per Addendum	06/09/23
3	Drawings Revised Per Addendum	06/23/23

Designed By: MJB | Drawn By: MJB | Checked By: MJB

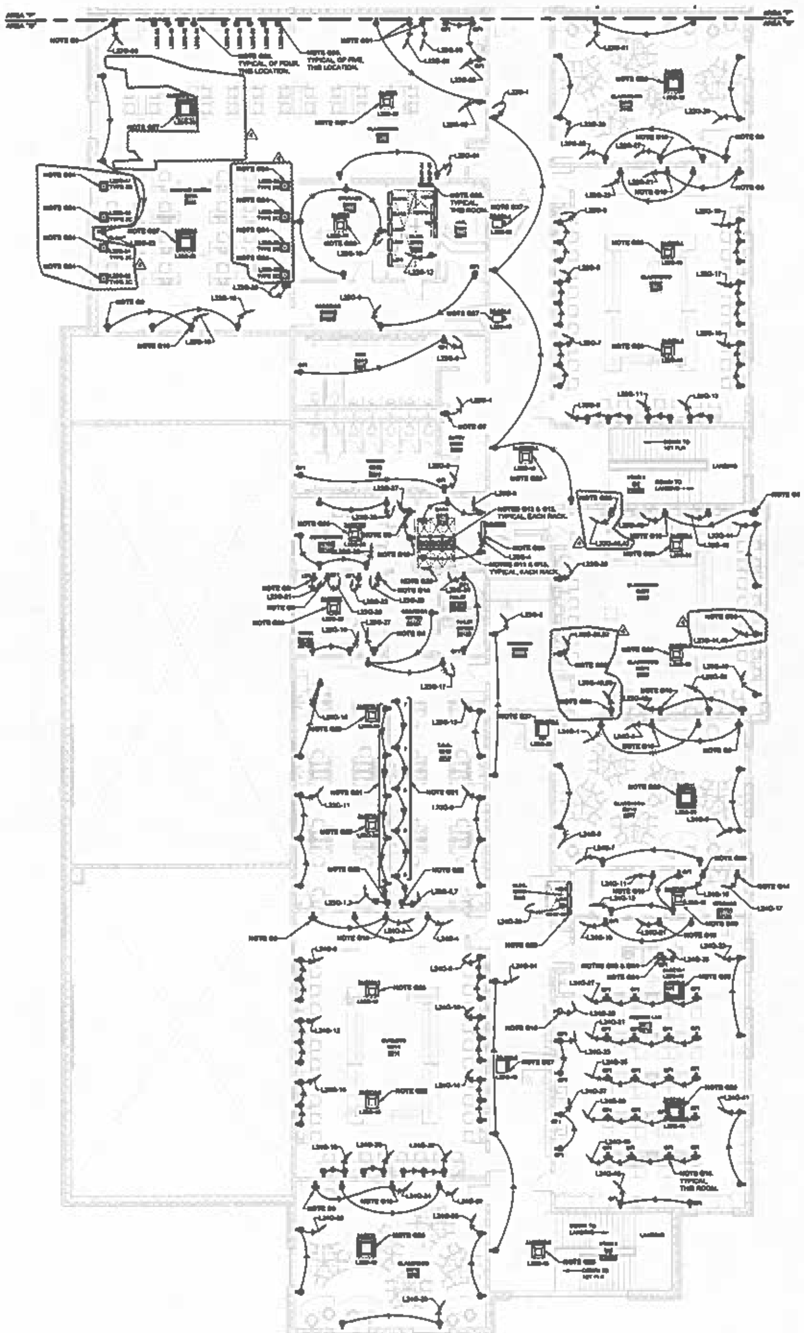
Sheet Title:

POWER PLAN - FIRST FLOOR - AREA "J"

Architect's Project No: 2106-204

Date: May, 2023

Drawing No: E2.1J



POWER PLAN - SECOND FLOOR - AREA "G"

1/8" = 1'-0"

NOTES (SECOND FLOOR POWER PLAN - AREA "G"):

01. NOTE NOT USED.

02. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR MICROWAVE.

03. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR COFFEE MAKER.

04. RECEPTACLE AND DEDICATED BRANCH CIRCUIT FOR PRINTER.

05. NOTE NOT USED.

06. NOTE NOT USED.

07. RECEPTACLE AND DEDICATED BRANCH CIRCUIT (FED FROM A GFCI TYPE CIRCUIT BREAKER) FOR POWER TO ELECTRIC WATER COOLER.

08. RECEPTACLE AND DEDICATE BRANCH CIRCUIT FOR PLOTTER MACHINE.

09. RECEPTACLE FOR POWER TO AUDIO/VIDEO CONTROL CABINET. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH THE INSTALLATION REQUIREMENTS OF THE AUDIO/VIDEO CONTROL CABINET. SEE TYPICAL INSTRUCTOR'S AV ACCESS CABINET LOCATION ELECTRICAL REQUIREMENT DETAIL, SHEET E1.8, FOR ADDITIONAL REQUIREMENTS.

010. RECEPTACLE FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLETS FROM VIEW AND STILL ALLOWS THE RECEPTACLE TO BE ACCESSIBLE. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.8, FOR ADDITIONAL REQUIREMENTS.

011. PROVIDE A QUANTITY FOUR DUPLEX RECEPTACLES (EACH FED FROM A DEDICATED 120V, 20A NORMAL POWER BRANCH CIRCUIT) WITHIN EQUIPMENT RACK. PROVIDE CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO.S AS INDICATED BELOW [illegible]

012. PROVIDE A QUANTITY FOUR DUPLEX RECEPTACLES (EACH FED FROM A DEDICATED 120V, 20A EMERGENCY POWER BRANCH CIRCUIT) WITHIN EQUIPMENT RACK. PROVIDE CIRCUIT TO RECEPTACLE FROM PANEL AND BRANCH CIRCUIT NO.S AS INDICATED BELOW. [illegible]

[illegible]

NOTES (SECOND FLOOR POWER PLAN - AREA "G") (CONTINUED):

[illegible]

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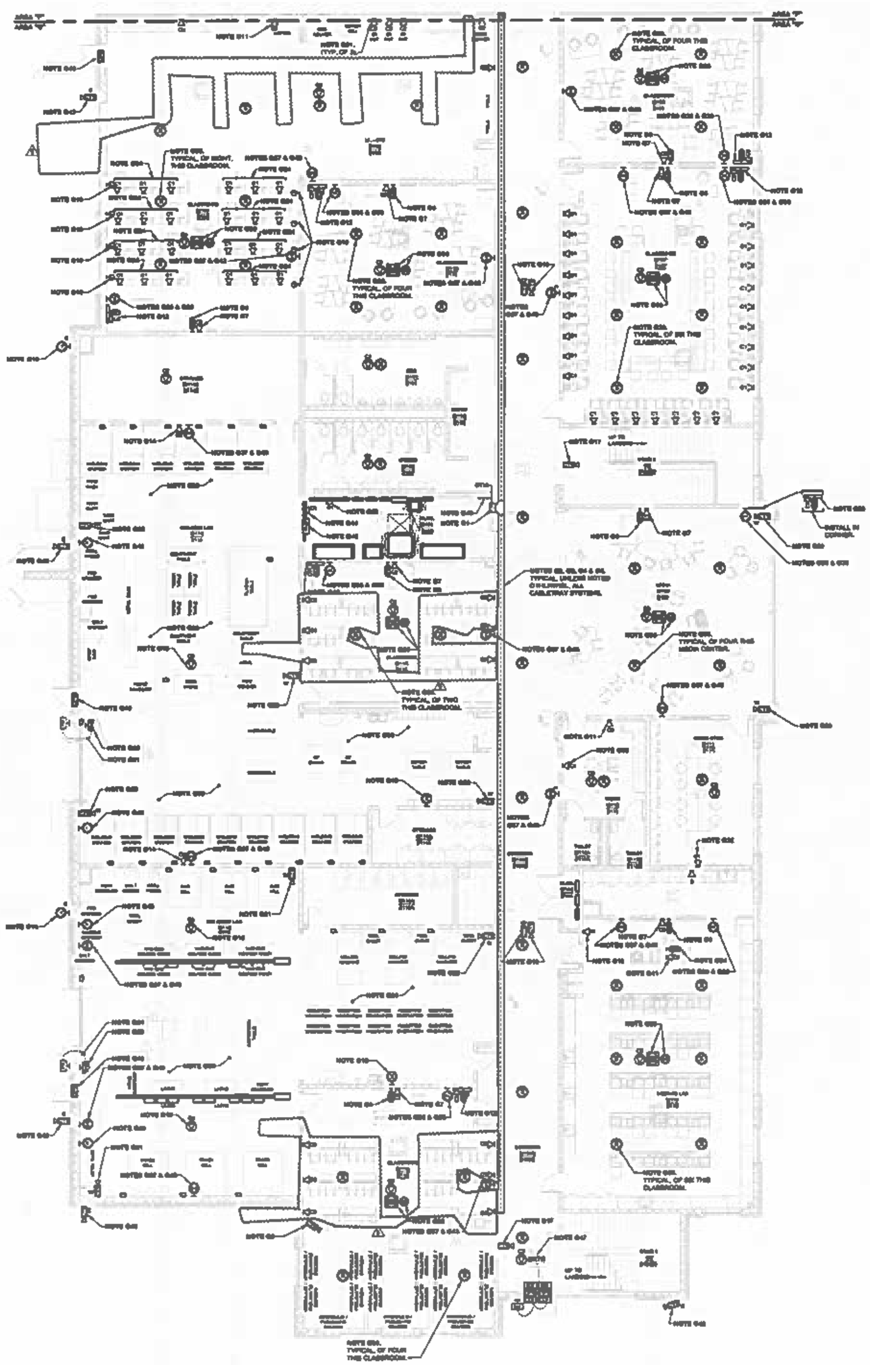
KEYPLAN

Sheet title: POWER PLAN - SECOND FLOOR - AREA "G"

Architect's Project No: 2106-204

Date: May, 2023

Drawing No: E2.2G



SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "G" 1/8"=1'-0"

GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS):

GN1. [illegible] ... MINIMUM GROUND BONDING CONDUCTOR.

GN2. DATA SYSTEM CABLES. PROVIDE SLEEVES DEDICATED FOR USE WITH THE DATA NETWORK CABLING SYSTEMS [illegible] SHALL NOT BE USED FOR OTHER SYSTEMS, SUCH AS BUILDING MANAGEMENT, TEMPERATURE CONTROLS, ACCESS CONTROL, FIRE ALARM, ETC.)

GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS) (CONT):

[illegible]

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "G"):

01. APPROXIMATE LOCATION OF VERTICAL CONDUITS FROM DATA ROOM ON FLOOR ABOVE. (FOR ROUTING OF LOW VOLTAGE VOICE, DATA, VIDEO, ACCESS CONTROL TYPE CABLING)

02. INSTALL CABLE TRAY SYSTEM AT APPROXIMATELY [illegible] ABOVE THE ACCESSIBLE CEILING GRID SYSTEM. [illegible] SHALL BE COORDINATED IN THE FIELD.

03. PROVIDE OPENINGS THROUGH ALL WALLS WHERE CABLETRAY SYSTEMS ARE REQUIRED TO BE ROUTED THROUGH [illegible] WALLS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS IN THE FIELD WITH ALL OTHER TRADES INVOLVED ON THE PROJECT.

04. PROVIDE U.L. LISTED FIRE STOPPING SYSTEMS AT ALL LOCATIONS WHERE LOW VOLTAGE CABLING ARE REQUIRED TO PASS THROUGH FIRE RATED AND / OR RATED WALL ASSEMBLIES.

05. SEE CABLETRAY SCHEDULE, SHEET E1.1, FOR ADDITIONAL CABLETRAY AND CABLETRAY INSTALLATION REQUIREMENTS.

06. AUDIO/VIDEO INPUT OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. [illegible]

07. DATA OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. [illegible]

08.–024. [illegible]

025. NOTE NOT USED.

026. NOTE NOT USED.

027. NOTE NOT USED.

028. NOTE NOT USED.

029. NOTE NOT USED.

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "G" - (CONTINUED)):

[illegible]

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KEYPLAN

Revisions: [illegible]

Sheet title:
SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "G"

Architect's Project No: 2106-204

Date: May, 2023

Drawing No: E3.1G

GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS):

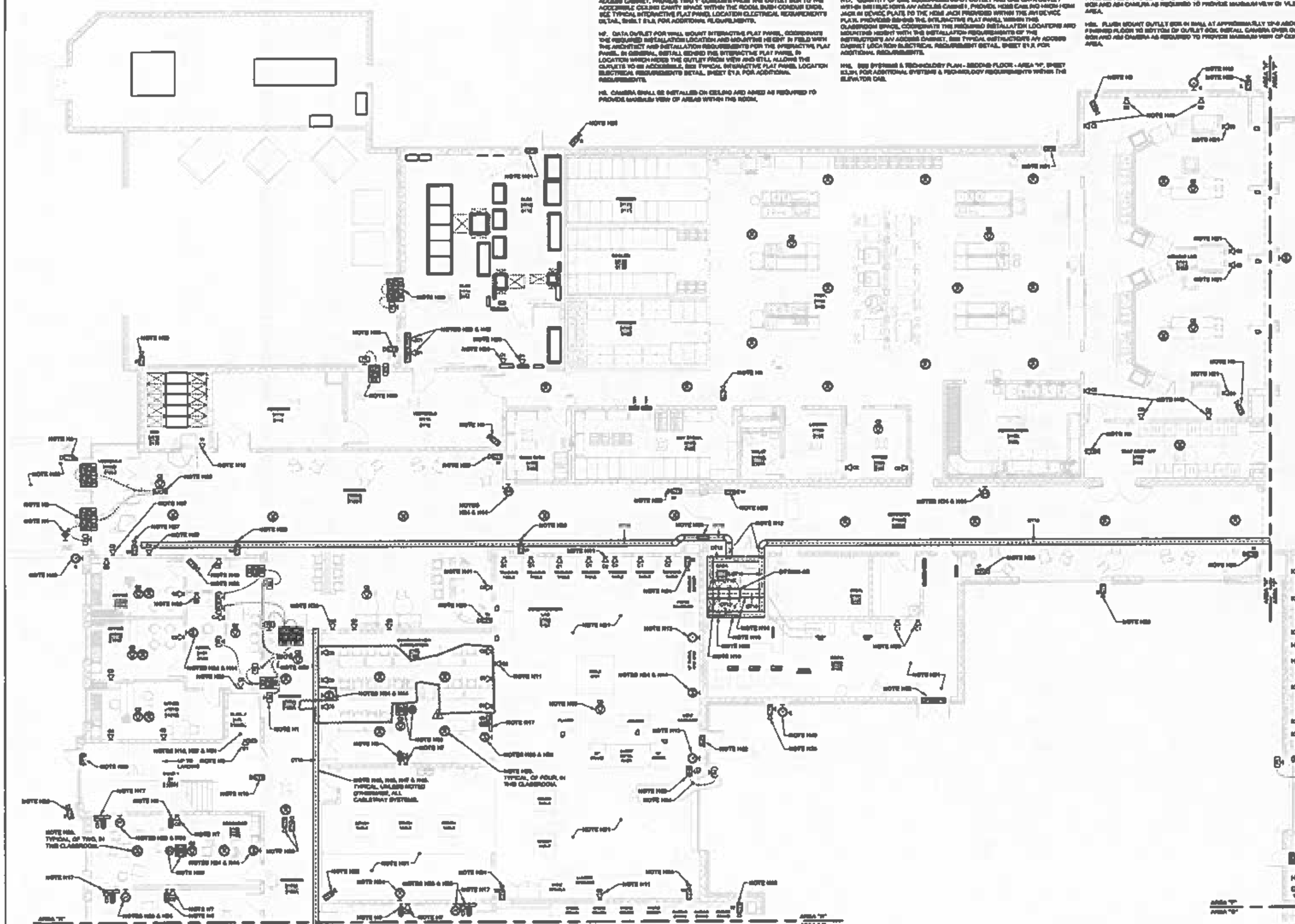
GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS) (CONT):

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "H"):

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "H"):

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "H") (CONTINUED):

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "H") (CONTINUED):



SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "H"

1/8"=1'-0"

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KEYPLAN

Sheet title:
SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "H"

Architect's Project No:	Date:
2106-204	May, 2023

Drawing No:
E3.1H

GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS):

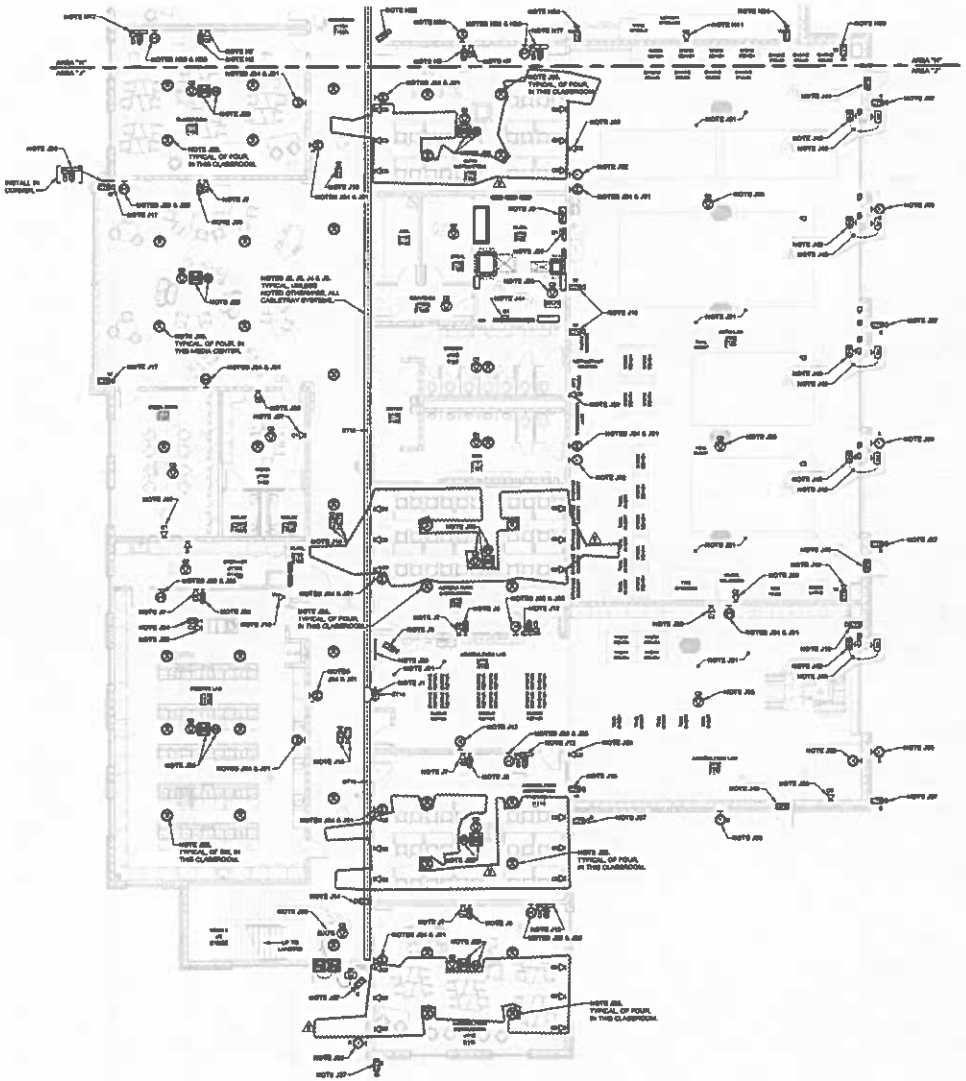
GN1. CONDUIT SLEEVES FOR ROUTING OF LOW VOLTAGE CABLES THROUGH NONRATED WALLS. PROVIDE CONDUIT SLEEVES THROUGH WALLS AT ALL LOCATIONS WHERE LOW VOLTAGE CABLING SYSTEMS PASS THROUGH NON-RATED WALL ASSEMBLIES. PROVIDE SLEEVES OF SUFFICIENT DIAMETER SIZE TO ACCOMMODATE CABLES PROVIDED AS PART OF THE PROJECT PLUS WITH AN ADDITIONAL MINIMUM CAPACITY OF 50% FOR FUTURE CABLE INSTALLATION. PROVIDE BUSHINGS ON EACH END OF CONDUIT SLEEVES FOR PROTECTION OF CABLING. PROVIDE BOND BUSHINGS ON ALL SLEEVES AND BOND TO THE EQUIPMENT GROUND BUS BAR IN THE NEAREST DATA EQUIPMENT RACK. PROVIDE INSULATED COPPER MINIMUM GROUND BONDING CONDUCTOR.

GN2. DATA SYSTEM CABLES. PROVIDE SLEEVES DEDICATED FOR USE WITH THE DATA SYSTEMS. DO NOT BE USED FOR OTHER SYSTEMS, SUCH AS BUILDING MANAGEMENT, TEMPERATURE CONTROLS, ACCESS CONTROL, FIRE ALARM, ETC.

GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS) (CONT):

GN3. BOND THE METALLIC ENCLOSURES OF ALL FIRE RATED CABLE PASS-THRU ASSEMBLIES TO THE EQUIPMENT GROUND CONDUCTOR PROVIDED WITHIN THE CABLETRAY ASSEMBLIES USING STRANDED COPPER MINIMUM GROUND BONDING CONDUCTOR.

GN4. SEE TYPICAL CLASSROOM SOUND REINFORCEMENT SYSTEM INTERCONNECTION DETAIL, SHEET E1.4, FOR ADDITIONAL REQUIREMENTS REGARDING THE SOUND REINFORCEMENT INSTALLATION REQUIREMENTS WITHIN CLASSROOMS, MEDIA AND OTHER AREAS SHOWN TO BE PROVIDED WITH SPEAKERS AND OTHER EQUIPMENT ASSOCIATED WITH THE INTEGRATED IP BASED SAFETY & INTERCOMMUNICATION SYSTEM EQUIPMENT.



SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "J"

1/8"=1'-0"

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "J"):

J1. APPROXIMATE LOCATION OF VISITOR. CONDUIT FROM DATA ROOM ON FLOOR ABOVE, (FOR ROUTING OF LOW VOLTAGE VOICE, DATA, VIDEO, ACCESS CONTROL TYPE CABLES.

J2. INSTALL CABLE TRAY SYSTEM AT APPROXIMATELY 2' ABOVE THE ACCESSIBLE CEILING GRID SYSTEM. PROVIDE ALL REQUIRED HORIZONTAL AND VERTICAL BENDS IN CABLETRAY SYSTEM TO ACCOMMODATE THE INSTALLATION REQUIREMENTS OF ALL TRADES HAVING USE ON THIS PROJECT. IN GENERAL, INSTALL THE CABLETRAY SYSTEMS WITH MINIMUM BENDS, VERTICAL CHANGES AND NOT SHOWN ON THESE DRAWINGS AND SHALL BE COORDINATED IN THE FIELD.

J3. PROVIDE OPENINGS THROUGH ALL WALLS WHERE CABLETRAY SYSTEMS ARE REQUIRED TO BE ROUTED THROUGH NON-RATED WALLS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS IN THE FIELD WITH ALL OTHER TRADES INVOLVED ON THIS PROJECT.

J4. PROVIDE ALL LISTED FIRE STOPPING SYSTEMS AT ALL LOCATIONS WHERE LOW VOLTAGE CABLING ARE REQUIRED TO PASS-THROUGH FIRE RATED AND / OR RATED WALL ASSEMBLIES.

J5. SEE CABLETRAY SCHEDULE, SHEET E1.1, FOR ADDITIONAL CABLETRAY AND CABLETRAY INSTALLATION REQUIREMENTS.

J6. AUDIO/VIDEO INPUT OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. PROVIDE OUTLET BOX WITH 3-GANG RING BEHIND THE INTERACTIVE FLAT PANELS. PROVIDE DEVICE PLATE WITH 3.5MM AUDIO JACK WITH REQUIRED AUDIO CABLING TO THE SOUND REINFORCEMENT SYSTEM CABINET. PROVIDE ONE HDMI JACK IN DEVICE PLATE. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE INSTRUCTOR'S AV ACCESS CABINET. PROVIDE TWO 1" CONDUITS FROM THE OUTLET BOX TO THE ACCESSIBLE CEILING CAVITY SPACE WITHIN THE ROOM. SUSH CONDUIT SIZES. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.4, FOR ADDITIONAL REQUIREMENTS.

J7. DATA OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLET FROM VIEW AND STILL ALLOWS THE OUTLETS TO BE ACCESSIBLE. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.4, FOR ADDITIONAL REQUIREMENTS.

J8. CAMERA SHALL BE INSTALLED ON CEILING AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF AGRICULTURE LAB AREAS.

J9. SEE FIRE ALARM SYSTEM DRAWINGS (FA1xx SERIES DRAWINGS) REFERENCED BY MEP FOR ADDITIONAL REQUIREMENTS REGARDING THE BUILDING FIRE ALARM SYSTEM.

J10. DATA OUTLET FOR WALL PHONE.

J11. NOTE NOT USED.

J12. QUANTITY OF ONE AUDIO/VIDEO INPUT OUTLET AND ONE DATA OUTLET WITHIN INSTRUCTOR'S AV ACCESS CABINET. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE AV DEVICE PLATE PROVIDED BEHIND THE INTERACTIVE FLAT PANEL WITHIN THIS CLASSROOM SPACE. COORDINATE THE REQUIRED INSTALLATION LOCATIONS AND MOUNTING HEIGHT WITH THE INSTALLATION REQUIREMENTS OF THE INSTRUCTOR'S AV ACCESS CABINET. SEE TYPICAL INSTRUCTOR'S AV ACCESS CABINET LOCATION ELECTRICAL REQUIREMENT DETAIL, SHEET E1.4, FOR ADDITIONAL REQUIREMENTS.

J13. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT FOR WALL MOUNT SPEAKERS WITH ARCHITECT PRIOR TO START OF ROUGH-IN.

J14. CAMERA SHALL BE INSTALLED ON CEILING AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF STAIRS AND AREA BELOW STAIRS AREAS.

J15. CAMERA SHALL BE INSTALLED ON CEILING AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF CORRIDOR AREAS.

J16. NOTE NOT USED.

J17. FLUSH MOUNT OUTLET BOX IN WALL AT APPROXIMATELY 12'-0 ABOVE FINISHED FLOOR TO BOTTOM OF OUTLET BOX. CAMERA SHALL BE INSTALLED OVER OUTLET BOX AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF AREA WITHIN THE MEDIA ROOM.

J18. FLUSH MOUNT OUTLET BOX IN WALL AT APPROXIMATELY 12'-0 ABOVE FINISHED FLOOR TO BOTTOM OF OUTLET BOX. CAMERA SHALL BE INSTALLED OVER OUTLET BOX AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF AGRICULTURE LAB AREAS.

J19. FLUSH MOUNT OUTLET BOX IN WALL AT APPROXIMATELY 12'-0 ABOVE FINISHED FLOOR TO BOTTOM OF OUTLET BOX. CAMERA SHALL BE INSTALLED OVER OUTLET BOX AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF AUTOMOTIVE LAB AREAS.

J20. QUANTITY OF ONE AUDIO/VIDEO INPUT OUTLET AND ONE DATA OUTLET WITHIN INSTRUCTOR'S AV ACCESS CABINET. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE AV DEVICE PLATE PROVIDED BEHIND THE INTERACTIVE FLAT PANEL WITHIN THIS MEDIA CENTER. COORDINATE THE REQUIRED INSTALLATION LOCATIONS AND MOUNTING HEIGHT WITH THE INSTALLATION REQUIREMENTS OF THE AV ACCESS CABINET.

J21. ALL LOW VOLTAGE DATA CABLES INSTALLED WITHIN OR ROUTED THROUGH THIS OPEN CEILING SPACE AREA SHALL BE INSTALLED WITHIN CONDUIT RACEWAY SYSTEMS FROM THE DATA OUTLET LOCATION (OR VIDEO SURVEILLANCE SYSTEM CAMERA LOCATION) TO THE NEAREST ACCESSIBLE CEILING CAVITY SPACE ON THE 2ND FLOOR. PROVIDE FULL BOND WIRING REQUIRED TO LIMIT THE NUMBER OF BENDS IN THE CONDUIT RACEWAY SYSTEMS TO A MAXIMUM OF 180 DEGREES. PROVIDE RACEWAY SYSTEMS WITH CAPACITY AS REQUIRED TO ADD A MINIMUM CAPACITY OF 50 PERCENT MORE FUTURE CABLES WITHIN THE INDIVIDUAL CONDUIT RUNS.

J22. INSTALL WITHIN TEACHERS STATION CABINWORK. COORDINATE MOUNTING OF CONDUIT FROM BELOW FLOOR THRU CABINWORK WITH THE CABINWORK PROVIDER PRIOR TO START OF ROUGH-IN. SEE CABINWORK DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

J23. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT FOR TOUCH PANEL WITH ARCHITECT PRIOR TO START OF ROUGH-IN.

J24. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT FOR WALL CLOCK WITH ARCHITECT PRIOR TO START OF ROUGH-IN.

J25. REFER TO TYPICAL CLASSROOM SOUND REINFORCEMENT SYSTEM INTERCONNECTION DETAIL, SHEET E1.4, FOR ADDITIONAL REQUIREMENTS.

J26. PROVIDE DATA OUTLET FOR COPIER / PRINTER MACHINE.

J27. OUTDOOR RATED CAMERA ASSEMBLY. CAMERA SHALL BE INSTALLED AT APPROXIMATELY 10'-0" ABOVE FINISHED FLOOR AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF BUILDING EXTERIOR AREAS. SEE EXTERIOR VIDEO SURVEILLANCE SYSTEM CAMERA INSTALLATION DETAIL, E1.1, FOR ADDITIONAL REQUIREMENTS. PROVIDE "C" TYPE DATA OUTLET IN EXTERIOR RATED WALL WITH CONDUIT PENETRATION. PROVIDE DATA CABLE WITHIN A 1" CONDUIT RACEWAY SYSTEM FROM THE DATA OUTLET LOCATION TO NEAREST ACCESSIBLE CONCEALED CEILING CAVITY SPACE LOCATION. SUSH CONDUIT SIZES FOR PROTECTION OF DATA CABLING.

J28. SPACE RESERVED FOR ROUTING OF VERTICAL CONDUIT RACEWAYS (FROM UNDERGROUND TO VERTICAL UP WALL) FOR COMMUNICATIONS FIBER CABLES AND COMMUNICATION CABLES TO SITE WAYFINDING. SEE COMMUNICATION ROOM LOCATION PLAN - FIRST FLOOR, SHEET E3.J, FOR ADDITIONAL REQUIREMENTS.

J29. PROVIDE A 2-PORT DATA OUTLET HIGH ON THE WALL APPROXIMATELY 10FT ABOVE FINISHED FLOOR FOR THE OWNER'S FUTURE USE. VERIFY THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH THE OWNER'S TECHNOLOGY COORDINATOR PRIOR TO START OF ROUGH-IN.

J30. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT FOR WALL MOUNT EXTERIOR HORN WITH ARCHITECT PRIOR TO START OF ROUGH-IN.

NOTES (FIRST FLOOR SYS. & TECH. PLAN - AREA "J") (CONT):

J31. PROVIDE DATA CABLE FROM WALL CLOCK LOCATION TO CLOCK SYSTEM HEAD-END EQUIPMENT PROVIDED WITHIN DATA ROOM.

J32. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT FOR WALL MOUNT HORNS WITH ARCHITECT PRIOR TO START OF ROUGH-IN.

J33. AUDIO/VIDEO INPUT OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. PROVIDE OUTLET BOX WITH 2-GANG RING BEHIND THE INTERACTIVE FLAT PANEL. PROVIDE DEVICE PLATE WITH 3.5MM AUDIO JACK WITH REQUIRED AUDIO CABLING TO THE SOUND REINFORCEMENT SYSTEM CABINET. PROVIDE ONE HDMI JACK IN DEVICE PLATE. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE AV DEVICE PLATE PROVIDED BEHIND THE INTERACTIVE FLAT PANEL. PROVIDE ONE 1" CONDUIT FROM THE OUTLET BOX TO THE ACCESSIBLE CEILING CAVITY SPACE WITHIN THE ROOM. SUSH CONDUIT SIZES. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.4, FOR ADDITIONAL REQUIREMENTS.

J34. AUDIO/VIDEO INPUT OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. PROVIDE OUTLET BOX WITH 3-GANG RING BEHIND THE INTERACTIVE FLAT PANELS. PROVIDE DEVICE PLATE WITH 3.5MM AUDIO JACK WITH REQUIRED AUDIO CABLING TO THE SOUND REINFORCEMENT SYSTEM CABINET. PROVIDE ONE HDMI JACK IN DEVICE PLATE. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE INSTRUCTOR'S AV ACCESS CABINET. PROVIDE TWO 1" CONDUITS FROM THE OUTLET BOX TO THE ACCESSIBLE CEILING CAVITY SPACE WITHIN THE ROOM. SUSH CONDUIT SIZES. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.4, FOR ADDITIONAL REQUIREMENTS.

J35. PROVIDE DATA OUTLET FOR NETWORK CONNECTION TO BUILDING MANAGEMENT SYSTEM (T.C.) CONTROL / MONITORING PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH THE T.C. CONTRACTOR PRIOR TO START OF ROUGH-IN.

J36. DATA OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLET FROM VIEW AND STILL ALLOWS THE OUTLETS TO BE ACCESSIBLE.

J37. PROVIDE DATA OUTLET ON THE BOTTOM OF THE BUILDING STRUCTURAL SUPPORT. (FOR THE OWNER'S FUTURE USE). VERIFY THE REQUIRED INSTALLATION LOCATION WITH THE OWNER'S TECHNOLOGY COORDINATOR PRIOR TO START OF ROUGH-IN.

J38. GENERAL LOCATION FOR EC'S SERIES DOOR CONTROLLER / POWER SUPPLY WITHIN ACCESSIBLE CEILING CAVITY SPACE AND ADDITION FOR "D" DATA OUTLET.

J39. PROVIDE REQUIRED CIRCUITS FROM EPS DEVICES TO EC'S EQUIPMENT INSTALLED WITHIN CEILING CAVITY SPACE OF STAIR 2 (J4).

J40. PROVIDE REQUIRED CIRCUITS FROM EPS DEVICES TO EC'S EQUIPMENT INSTALLED WITHIN CEILING CAVITY SPACE OF CORRIDOR J1000.

J41. PROVIDE COMBO WIRELESS DOOR ACCESS CONTROL / COMPOSITE CABLE FROM OVERHEAD DOOR REMOTE CONTROL DEVICE LOCATION TO THE EC'S EQUIPMENT INSTALLED WITHIN CEILING CAVITY SPACE OF BLDG ROOM J100 (J1100).

J42. EXTEND THE HDMI COMMUNICATION CABLE FROM THE COMPOSITE CABLE WITHIN THE OVERHEAD DOOR REMOTE CONTROL DEVICE TO THE PROXIMITY READER ON THE EXTERIOR OF THE BUILDING.

J43. DATA OUTLET FOR GENERAL NETWORK CONNECTION USE BY MAINTENANCE STAFF AND BUILDING MANAGEMENT SYSTEM TECHNICIAN. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT WITH THE T.C. CONTRACTOR PRIOR TO START OF ROUGH-IN.

HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

CHRISTIAN COUNTY PUBLIC SCHOOLS

KDE # : BG 22-104

6186 FT. CAMPBELL BLVD
HOPKINSVILLE, KY 42240

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In association with:

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KEYPLAN

Revisions:

#	Description	Date
1	[illegible]	[illegible]
2	[illegible]	[illegible]
3	[illegible]	[illegible]
4	[illegible]	[illegible]
5	[illegible]	[illegible]
6	[illegible]	[illegible]
7	[illegible]	[illegible]

Designed by: GLS | Drawn by: [illegible] | Checked by: MJG

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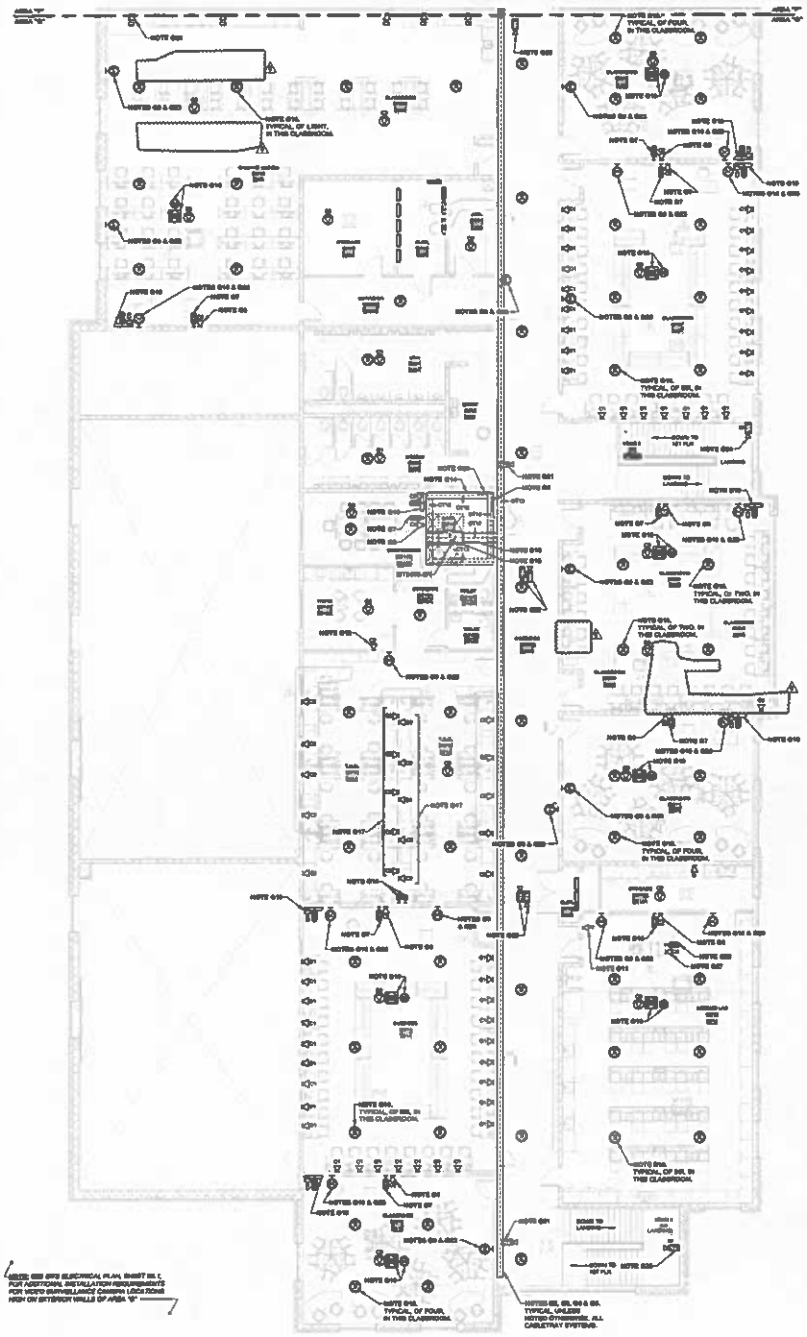
Sheet title:
SYSTEMS & TECHNOLOGY PLAN - FIRST FLOOR - AREA "J"

Architect's Project No: 2106-204

Date: May, 2023

Drawing No:
E3.1J



NOTE: SEE SHEET ELECTRICAL PLAN, SHEET E0.1, FOR ADDITIONAL INSTALLATION REQUIREMENTS FOR VIDEO SURVEILLANCE CAMERA LOCATIONS HIGH ON EXTERIOR WALLS OF AREA "G"

SYSTEMS & TECHNOLOGY PLAN - SECOND FLOOR - AREA "G" 1/8"=1'-0"

GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS):

G01. CONDUIT SLEEVES FOR ROUTING OF LOW VOLTAGE CABLES THROUGH NON-RATED WALLS. PROVIDE CONDUIT SLEEVES THROUGH WALLS AT ALL LOCATIONS WHERE LOW VOLTAGE CABLING SYSTEMS PASS THROUGH NON-RATED WALL ASSEMBLIES. PROVIDE SLEEVES OF SUFFICIENT DIAMETER SIZE TO ACCOMMODATE CABLING PROVIDED AS PART OF THIS PROJECT PLUS WITH AN ADDITIONAL MINIMUM CAPACITY OF 50% FOR FUTURE CABLE INSTALLATION. PROVIDE BUSHINGS ON EACH END OF CONDUIT SLEEVES FOR PROTECTION OF CABLING. PROVIDE BOND BUSHINGS ON ALL SLEEVES AND BOND TO THE EQUIPMENT GROUND BUS BAR IN THE ADJACENT DATA EQUIPMENT ROOM. PROVIDE PRIMARY COPPER MINIMUM GROUND BONDING CONDUCTOR.

G02. DATA SYSTEM CABLES. PROVIDE SLEEVES DEDICATED FOR USE WITH THE DATA AS THESE CABLING SYSTEMS ARE SUPPLIED PROVIDED FOR DATA AS THESE CABLING SHALL NOT BE USED FOR OTHER SYSTEMS, SUCH AS BUILDING MANAGEMENT, TEMPERATURE CONTROLS, ACCESS CONTROL, FIRE ALARM, ETC.

GENERAL NOTES (FOR ALL SYSTEMS & TECH. PLANS) (CONT):

G03. BOND THE METALLIC ENCLOSURES OF ALL FIRE RATED CABLE PASS-THRU ASSEMBLIES TO THE EQUIPMENT GROUND CONDUCTOR PROVIDED WITHIN THE CABLETRAY ASSEMBLIES USING PRIMARY COPPER MINIMUM GROUND BONDING CONDUCTOR.

G04. SEE TYPICAL CLASSROOM SOUND REINFORCEMENT SYSTEM INTERCONNECTION DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS REGARDING THE SOUND REINFORCEMENT INSTALLATION REQUIREMENTS WITHIN CLASSROOMS, MEDIA AND OTHER AREAS SHOWN TO BE PROVIDED WITH SPEAKERS AND OTHER EQUIPMENT ARRANGED WITH THE INTEGRATED IP BASED SAFETY & INTERCOMMUNICATION SYSTEM EQUIPMENT.

NOTES (SECOND FLOOR SYS. & TECH. PLAN - AREA "G"):

G1. NOTE NOT USED.

G2. INSTALL CABLE TRAY SYSTEM AT APPROXIMATELY 8' ABOVE THE ACCESSIBLE CEILING GRID SYSTEM. PROVIDE ALL REQUIRED HORIZONTAL AND VERTICAL BENDS IN CABLETRAY SYSTEM TO ACCOMMODATE THE INSTALLATION REQUIREMENTS OF ALL TRADES INVOLVED ON THIS PROJECT. IN GENERAL, INSTALL THE CABLETRAY SYSTEMS WITH MINIMUM BENDS. VERTICAL CHANGES ARE NOT SHOWN ON TRUE. DRAWINGS AND SHALL BE COORDINATED IN THE FIELD.

G3. PROVIDE SPRINGER THROUGH ALL WALLS WHERE CABLETRAY SYSTEMS ARE REQUIRED TO BE ROUTED THROUGH NON-RATED WALLS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS IN THE FIELD WITH ALL OTHER TRADES INVOLVED ON THIS PROJECT.

G4. PROVIDE U.L. LISTED FIRE STOPPING SYSTEMS AT ALL LOCATIONS WHERE LOW VOLTAGE CABLING ARE REQUIRED TO PASS THROUGH FIRE RATED AND / OR RATED WALL ASSEMBLIES.

G5. SEE CABLETRAY SCHEDULE, SHEET E1.1, FOR ADDITIONAL CABLETRAY AND CABLETRAY INSTALLATION REQUIREMENTS.

G6. PROVIDE A QUANTITY OF FOUR 4" CONDUITS THRU FLOOR FROM ACCESSIBLE CEILING CAVITY SPACE ON THE FLOOR BELOW, STUB UP ABOVE FINISHED SUB FLOOR. BUSH CONDUIT ENDS. BOND CONDUITS TO GROUND BUS BAR WITHIN DATA ROOM USING PRIMARY COPPER CONDUCTOR. PROVIDE REMOVABLE FIRE STOP SHOUTS IN CONDUITS AFTER ALL CABLES HAVE BEEN INSTALLED. FOR ROUTING OF LOW VOLTAGE DATA, VIDEO, AND ACCESS CONTROL TYPE CABLING. COORDINATE THE REQUIRED INSTALLATION LOCATION WITHIN THE ROOM WITH THE FIRST AND SECOND FLOOR FIELD CONDITIONS AND THE INSTALLATION REQUIREMENTS OF ALL TRADES INVOLVED ON THIS PROJECT.

G7. ALSO PROVIDED INPUT OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. PROVIDE OUTLET BOX WITH 2-GANG RING BEHIND THE INTERACTIVE FLAT PANEL. PROVIDE DEVICE PLATE WITH 3.5MM AUDIO JACK WITH REQUIRED AUDIO CABLING TO THE SOUND REINFORCEMENT SYSTEM CABINET. PROVIDE ONE HDMI JACK IN DEVICE PLATE. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE INSTRUCTOR'S AV ACCESS CABINET. PROVIDE TWO 1" CONDUITS FROM THE OUTLET BOX TO THE ACCESSIBLE CEILING CAVITY SPACE WITHIN THE ROOM. BUSH CONDUIT ENDS. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

G8. DATA OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. COORDINATE THE REQUIRED INSTALLATION LOCATION AND MOUNTING HEIGHT IN FIELD WITH THE ARCHITECT AND INSTALLATION REQUIREMENTS FOR THE INTERACTIVE FLAT PANEL. IN GENERAL, INSTALL BEHIND THE INTERACTIVE FLAT PANEL IN LOCATION WHICH HIDES THE OUTLET FROM VIEW AND STILL ALLOWS THE OUTLETS TO BE ACCESSIBLE. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

G9. COORDINATE THE REQUIRED INSTALLATION AND MOUNTING HEIGHT FOR WALL CLOCK WITH ARCHITECT PRIOR TO START OF ROUGH-IN.

G10. REFER TO TYPICAL CLASSROOM SOUND REINFORCEMENT SYSTEM INTERCONNECTION DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

G11. DATA OUTLET FOR WALL PHONE.

G12. DATA OUTLET FOR PRINTER.

G13. PROVIDE CABLETRAY SYSTEM FROM WALL-TO-WALL AND INSTALLED ABOVE TOP INSTALLATION LOCATION FOR THE DATA EQUIPMENT RACKS. COORDINATE INSTALLATION LOCATION IN THE FIELD WITH THE FINAL INSTALLATION LOCATION OF THE DATA EQUIPMENT RACKS. INSTALL CABLETRAY SYSTEM AT APPROXIMATELY 1' 0"S ABOVE THE TOP OF THE DATA EQUIPMENT RACKS TO THE BOTTOM OF THE CABLETRAY SYSTEM.

G14. PROVIDE CABLETRAY SYSTEMS ALONG ALL PERIMETER WALLS OF THE DATA EQUIPMENT ROOM. COORDINATE THE REQUIRED INSTALLATION HEIGHT IN FIELD WITH ALL OTHER INSTALLATION REQUIREMENTS WITHIN THE ROOM. THE CABLE TRAY SHALL BE INSTALLED JUST BELOW THE HEIGHT WHERE THE CONDUIT SLEEVES ARE PROVIDED TO ROUTE THE LOW VOLTAGE DATA CABLES INTO THE ADJACENT CORRIDOR SPACE.

G15. PROVIDE A QUANTITY OF THREE DATA EQUIPMENT RACKS (4-POST). SEE DIVISION 27 PROJECT SPECIFICATIONS SECTION "27 0150 STRUCTURED DATA CABLING SYSTEMS" FOR ADDITIONAL REQUIREMENTS.

G16. ALSO PROVIDED INPUT OUTLET FOR WALL MOUNT INTERACTIVE FLAT PANEL. PROVIDE OUTLET BOX WITH 2-GANG RING BEHIND THE INTERACTIVE FLAT PANEL. PROVIDE DEVICE PLATE WITH 3.5MM AUDIO JACK WITH REQUIRED AUDIO CABLING TO THE SOUND REINFORCEMENT SYSTEM CABINET. PROVIDE ONE HDMI JACK IN DEVICE PLATE. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE INSTRUCTOR'S ISLAND. PROVIDE TWO 1" CONDUITS FROM THE OUTLET BOX TO THE ACCESSIBLE CEILING CAVITY SPACE WITHIN THE ROOM. BUSH CONDUIT ENDS. SEE TYPICAL INTERACTIVE FLAT PANEL LOCATION ELECTRICAL REQUIREMENTS DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

G17. PROVIDE DATA OUTLETS WITHIN FURNITURE SYSTEM RACEWAY.

G18. PROVIDE OUTLET BOX IN WALL WITH A 2-GANG RING AND WITH A QUANTITY OF THREE 1" CONDUIT RACEWAYS FROM OUTLET BOX TO ACCESSIBLE CEILING CAVITY SPACE. BUSH CONDUIT ENDS. FOR ROUTING OF LOW VOLTAGE DATA CABLES TO DATA OUTLETS WITHIN THE FURNITURE SYSTEM. PROVIDE FLEXIBLE CONDUIT RACEWAY SYSTEMS FROM OUTLET INCEPTAPLATE AS REQUIRED FOR INSTALLATION OF THE DATA CABLES TO THE FURNITURE SYSTEM RACEWAY.

G19. QUANTITY OF ONE AUDIO-VIDEO INPUT OUTLET AND ONE DATA OUTLET WITHIN INSTRUCTOR'S AV ACCESS CABINET. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE AV DEVICE PLATE PROVIDED BEHIND THE INTERACTIVE FLAT PANEL WITHIN THIS CLASSROOM SPACE. COORDINATE THE REQUIRED INSTALLATION LOCATIONS AND MOUNTING HEIGHT WITH THE INSTALLATION REQUIREMENTS OF THE INSTRUCTOR'S AV ACCESS CABINET. SEE TYPICAL INSTRUCTOR'S AV ACCESS CABINET LOCATION ELECTRICAL REQUIREMENT DETAIL, SHEET E1.0, FOR ADDITIONAL REQUIREMENTS.

G20. FLUSH MOUNT OUTLET BOX IN WALL AT APPROXIMATELY 12'-0 ABOVE FINISHED STAIR LANDING TO BOTTOM OF OUTLET BOX. CENTER OUTLET BOX ON WALL. CAMERA SHALL BE INSTALLED OVER OUTLET BOX AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF STAIR AREAS.

G21. CAMERA SHALL BE INSTALLED ON CEILING AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF STAIR AREAS.

G22. CAMERA SHALL BE INSTALLED ON CEILING AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF CORRIDOR AREAS.

NOTES (SECOND FLOOR SYS. & TECH. PLAN - AREA "G") (CONT):

G23. PROVIDE DATA CABLE FROM WALL CLOCK LOCATION TO CLOCK SYSTEM HEAD-END EQUIPMENT PROVIDED WITHIN DATA ROOM.

G24. FLUSH MOUNT OUTLET BOX IN WALL AT APPROXIMATELY 12'-0 ABOVE FINISHED STAIR LANDING TO BOTTOM OF OUTLET BOX. INSTALL OUTLET BOX ON THE WALL WHICH HAS THE STAIR TREADS EXTENDING FROM THE 1ST FLOOR TO THE INTERMEDIATE STAIR LANDING. CAMERA SHALL BE INSTALLED OVER OUTLET BOX AND AIMED AS REQUIRED TO PROVIDE MAXIMUM VIEW OF STAIR AREAS AND PERSONS COMING UP THE STAIRS FROM THE 1ST FLOOR.

G25. INSTRUCTOR'S ISLAND. PROVIDE DEVICE PLATE WITH ONE HDMI JACK. PROVIDE HDMI CABLING FROM HDMI JACK IN DEVICE PLATE TO THE HDMI JACK PROVIDED WITHIN THE AV DEVICE PLATE PROVIDED BEHIND THE INTERACTIVE FLAT PANEL WITHIN THIS CLASSROOM SPACE.

G26. APPROXIMATE INSTALLATION LOCATION FOR CONDUIT RACEWAY SYSTEMS WITH FIBER CABLES. SEE COMMUNICATION ROOM LOCATION PLAN - FIRST FLOOR, SHEET E0.1, FOR ADDITIONAL REQUIREMENTS.

G27. INSTALL WITHIN TRACKBITE STATION CASEWORK. COORDINATE ROUTING OF CONDUIT FROM BELOW FLOOR THRU CASEWORK WITH THE CASEWORK PROVIDER PRIOR TO START OF ROUGH-IN. SEE CASEWORK DETAILS ON ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

G28. COORDINATE THE REQUIRED INSTALLATION AND MOUNTING HEIGHT FOR TOUCH PANEL WITH ARCHITECT PRIOR TO START OF ROUGH-IN.

G29. NOTE NOT USED.

G30. PROVIDE DATA CABLES TO DATA OUTLETS WITHIN FURNITURE SYSTEM RACEWAY FROM MULTI-FUNCTION FORE-THRU ASSEMBLY.

G31. PROVIDE DATA OUTLET FOR PLOTTER.

G32. NOTE NOT USED.

G33. NOTE NOT USED.

HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

CHRISTIAN COUNTY PUBLIC SCHOOLS

KDE # : 903 23-104

5185 FT. CAMPBELL BLVD
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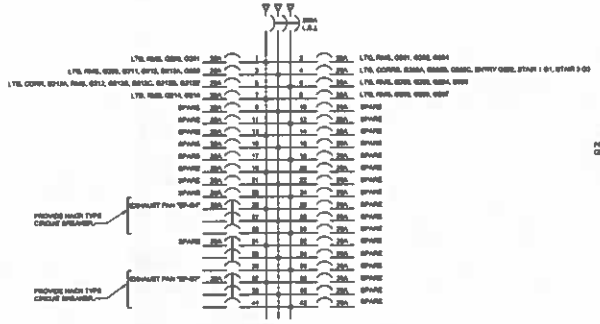
KEYPLAN

3	Bidding Set	04/14/2023
2	Permit Set - Revision Set	03/10/2023
1	Permit Set - Revision Set	02/24/2023
	Permit Set - Revision Set	01/27/2023
	Permit Set - Revision Set	12/16/2022
	Permit Set - Revision Set	11/18/2022
	Permit Set - Revision Set	10/14/2022
	Permit Set - Revision Set	09/16/2022
	Permit Set - Revision Set	08/19/2022
	Permit Set - Revision Set	07/15/2022
	Permit Set - Revision Set	06/17/2022
	Permit Set - Revision Set	05/20/2022
	Permit Set - Revision Set	04/22/2022
	Permit Set - Revision Set	03/25/2022
	Permit Set - Revision Set	02/28/2022
	Permit Set - Revision Set	01/31/2022

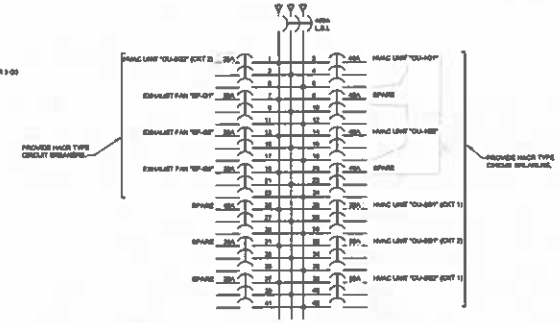
Sheet Title
SYSTEMS & TECHNOLOGY PLAN - SECOND FLOOR - AREA "G"

Architect's Project No: 2108-204
Date: May, 2023

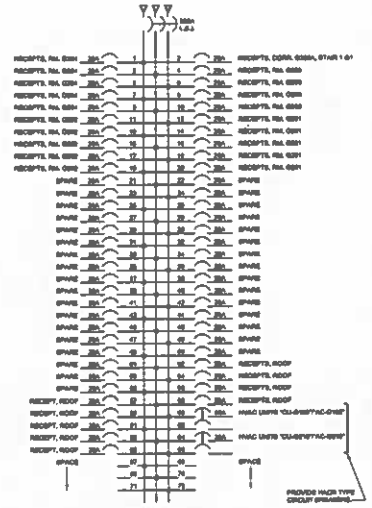
Drawing No:
E3.2G



PANEL "H21G"
200A, 480Y/277V, 3PH, 4W
SURFACE MOUNT
42 SPACE
35,000 A.I.C. (SERIES RATING ACCEPTABLE)
PROVIDE WITH HINGED COVER ENCLOSURE.

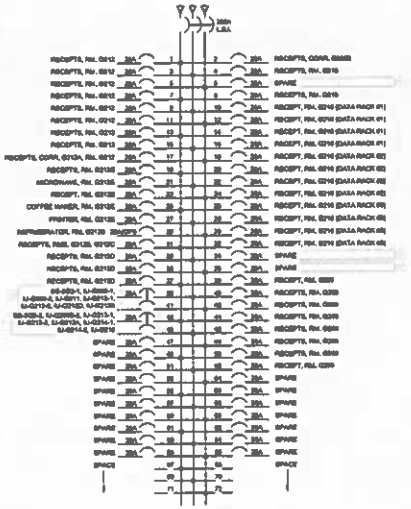


PANEL "H22G"
400A, 480Y/277V, 3PH, 4W
SURFACE MOUNT
42 SPACE
35,000 A.I.C. (SERIES RATING ACCEPTABLE)
PROVIDE WITH HINGED COVER ENCLOSURE.

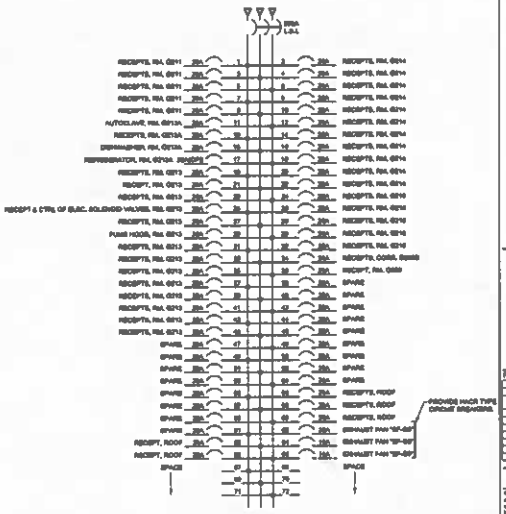


PANEL "L21G"
200A, 208Y/120V, 3PH, 4W
SURFACE MOUNT
72 SPACE
35,000 A.I.C. (SERIES RATING ACCEPTABLE)
PROVIDE WITH HINGED COVER ENCLOSURE

PANEL "L22G"
200A, 208Y/120V, 3PH, 4W
SURFACE MOUNT
72 SPACE
35,000 A.I.C. (SERIES RATING ACCEPTABLE)
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL "L23G"
200A, 208Y/120V, 3PH, 4W
SURFACE MOUNT
72 SPACE
35,000 A.I.C. (SERIES RATING ACCEPTABLE)
PROVIDE WITH HINGED COVER ENCLOSURE



PANEL "L24G"
200A, 208Y/120V, 3PH, 4W
SURFACE MOUNT
72 SPACE
35,000 A.I.C. (SERIES RATING ACCEPTABLE)
PROVIDE WITH HINGED COVER ENCLOSURE

HOPKINSVILLE - CHRISTIAN COUNTY ACADEMY

CHRISTIAN COUNTY PUBLIC SCHOOLS

KDE # : BG 22-104

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Revisions:

#	Description	Date
1	[illegible]	[illegible]
2	[illegible]	[illegible]
3	[illegible]	[illegible]
4	[illegible]	[illegible]
5	[illegible]	[illegible]
6	[illegible]	[illegible]
7	[illegible]	[illegible]

Designed By: MJB | Drawn By: [illegible] | Checked By: [illegible]

Sheet Title:
BUSSING DIAGRAMS - BLDG AREA "G" (2ND FLOOR) - NORMAL POWER

Architect's Project No: 2106-204
Date: May, 2023

Drawing No:
E6.10

PCCO #013

Atlas Companies
5101 Commerce Crossing Drive
Louisville, Kentucky 40229
Phone: (502) 714-9867

Project: KY-23-113 - Hopkinsville-Christian Co Acad
5185 Fort Campbell Blvd
Hopkinsville, Kentucky 42240

Prime Contract Change Order #013: CE #034 - PR-058 : Area J&G Mo

TO:	**Alliance Corporation** Glasgow, Kentucky		
DATE CREATED:	11/17/2025	**ATLAS PM:**	Carrie Craig
REQUEST RECEIVED FROM:		**REVISION:**	0
REFERENCE:		**CHANGE REASON:**	Change Order
FIELD CHANGE:	No	**CONTRACT FOR:**	KY-23-11306:Hopkinsville-Christian Co Acad
SCHEDULE IMPACT:		**TOTAL AMOUNT:**	($450.00)

DESCRIPTION:
CE #034 - PR-058 : Area J&G Modifications
IT desks were deleted in PR 48, no credit given for PR 58
Material is onsite for room G209 and will be turned over to the owner. Labor credit is below.

ATTACHMENTS:
PR-058 - Area J&G Modifications.pdf

CHANGE ORDER LINE ITEMS:

PCCO #013

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	01-01-1002 - Installation	Labor credit	LABOR	($450.00)
				Subtotal:	($450.00)
				Grand Total:	($450.00)

The original (Contract Sum)	$367,000.00
Net change by previously authorized Change Orders	($120,061.25)
The contract sum prior to this Change Order was	$246,938.75
The contract sum would be changed by this Change Order in the amount of	($450.00)
The new contract sum including this Change Order will be	$246,488.75

The contract time will not be changed by this Change Order.

- ☐ *Change Order Approved - No official paperwork required*
- ☐ *Change Order Approved - Official paperwork to follow*

Alliance Corporation

Glasgow, Kentucky

SIGNATURE **DATE**

ATLAS COMPANIES

PCCO #012

The Atlas Companies
5101 Commerce Crossing Drive
Louisville, Kentucky 40229
Phone: (502) 714-9867

Project: KY-23-113 - Hopkinsville-Christian Co Acad
5185 Fort Campbell Blvd
Hopkinsville, Kentucky 42240

Prime Contract Change Order #012: CE #031 - Lockset change

TO:	**Alliance Corporation** Glasgow, Kentucky		
DATE CREATED:	10/07/2025	**ATLAS PM:**	Carrie Craig
REQUEST RECEIVED FROM:		**REVISION:**	0
REFERENCE:		**CHANGE REASON:**	Change Order
FIELD CHANGE:	No	**CONTRACT FOR:**	KY-23-11306:Hopkinsville-Christian Co Acad
SCHEDULE IMPACT:		**TOTAL AMOUNT:**	$1,147.00

DESCRIPTION:
CE #031 - Lockset change
The doors for K118 & K119.1 are rated for 120 minutes, but the Salto lockset is not rated for that high on wood doors.
The architect said to provide what was originally listed in spec, which was the 9K3-7-AB-15-D-S3 X CORMAC PATENTED X 626 Cylindrical lock with thrubolts. Pricing below is to provide 2 of those locksets for K118 & K119.1.

ATTACHMENTS:

CHANGE ORDER LINE ITEMS:

PCCO #012

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	01-08-7000 - Hardware	(2) 9K3-7-AB-15-D-S3 X CORMAC PATENTED X 626	MATERIALS	$1,147.00
				Subtotal:	$1,147.00
				Grand Total:	$1,147.00

The original (Contract Sum)	$367,000.00
Net change by previously authorized Change Orders	($120,061.25)
The contract sum prior to this Change Order was	$246,938.75
The contract sum would be changed by this Change Order in the amount of	$1,147.00
The new contract sum including this Change Order will be	$248,085.75
The contract time will not be changed by this Change Order.	

☐ *Change Order Approved - No official paperwork required*

☐ *Change Order Approved - Official paperwork to follow*

Alliance Corporation

Glasgow, Kentucky

SIGNATURE **DATE**

FACPAC Contract Change Order Supplemental Information Form (Ref# 63918)

Form Status: Saved

Tier 1 Project: Consolidated High School

BG Number: 22-104 District: Christian County (HB678) (115)

Status: Active Phase: Project Initiation (View Checklist)

Contract: The Atlas Companies , 0080, Dr, Frames, Wood Drs, Finish Hardware and Misc Specialties

Type: CM Bid Package Proposed

Change Order Number	5
Time Extension Required	No
Date Of Change Order	12/15/2025
Change Order Amount To Date	Increase

Construction Contingency

Calculations below are project wide. Remaining negative Construction Contingency may require the submission of a revised BG1.

Current Approved Amount	$6,454,156.37
Net Approved COs	$1,003,637.65
Remaining After Approved COs	$5,450,518.72
Net All COs	$1,161,699.18
Remaining After All COs	$5,292,457.19

This Requested Change Order Amount $697.00
+/-
Change In A/E Fee This Change Order
+/-
Change In CM Fee This Change Order $0.00
+/-
Remaining Construction Contingency Balance $5,158,737.42

Contract Change Requested By Local Board of Education; Contractor

Contract Change Reason Code Expansion of Scope

Change Order Description And Justification

Cost associated with labor credit to not install casework at G209 per PR #58 Area J & G modifications. Adding fire rated door hardware at K118 and K 119.1 back into the project.

Cost Benefit To Owner

The cost of this change order has been reviewed and determined to be reasonable.

Contract unit prices have been utilized to support the cost associated with this change order. No

Detailed Cost Breakdown

Contract unit prices have not been utilized, provide a detailed cost breakdown which separates labor, material, profit and overhead.

Detail Item	Amount	Percent of Total
Labor	($450.00)	-64.56%
Materials	$1,147.00	164.56%
Profit and Overhead		0.00%
Bond Insurance		0.00%
Cost Breakdown Total:	$697.00	

Cost for this Change Order supported by an alternate bid or competitive price quote No

Explain Why

Executed contract with contractor.

Change Order Supplemental Information Form Signature Page (Online Form Ref# 63918)

Architect	Date
Construction Manager	Date
Finance Officer	Date
Local Board of Education Designee	Date